

# Channel Interactions and Robust Inference for Ratiometric $\beta$ -lactamase Assay Data: a Tox21 Library Analysis.

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## Differences between parameters for channel concordant chemicals

Difference in efficacy parameters for channel concordant chemicals were calculated as follows:  $\Delta AC_{50} = AC_{50}(\text{Ratio}) - AC_{50}(\text{Channel 2})$ ,  $\Delta E_{MAX} = E_{MAX}(\text{Channel 2}) - E_{MAX}(\text{Ratio})$ . Thus, positive values indicate higher potency and efficacy in target readout. Figure S1 illustrates the  $\Delta AC_{50}$  and  $\Delta E_{MAX}$  distributions separated by channel 1 activity type in the same titration series. On average, the differences in potency across all chemicals and assays were small. However, median  $\Delta AC_{50}$  estimates for channel 1 activators and repressors are significantly different from those of chemicals that are inactive in channel 1 ( $p = 3.1 \times 10^{-7}$ , and  $p < 2.2 \times 10^{-16}$ , respectively). Similarly, the ratio CRCs tend to underestimate channel 2 efficacy by 97.2 % activity units when chemicals are channel 1 activators and overestimate channel 2 efficacy by 30.7 % activity units when chemicals repress channel 1 signal. These median  $\Delta E_{MAX}$  estimates for channel 1 activators and repressors are significantly different from those of chemicals that are inactive in channel 1 ( $p = 6.5 \times 10^{-13}$ , and  $p < 2.2 \times 10^{-16}$ , respectively). The differences in  $\Delta AC_{50}$  and efficacy  $\Delta E_{MAX}$  distributions associated with channel 1 behavior demonstrate that the relationship between channel 1 and ratio resounds persist beyond the six groups of concern described above. Assay-specific estimates are provided in Table S1.

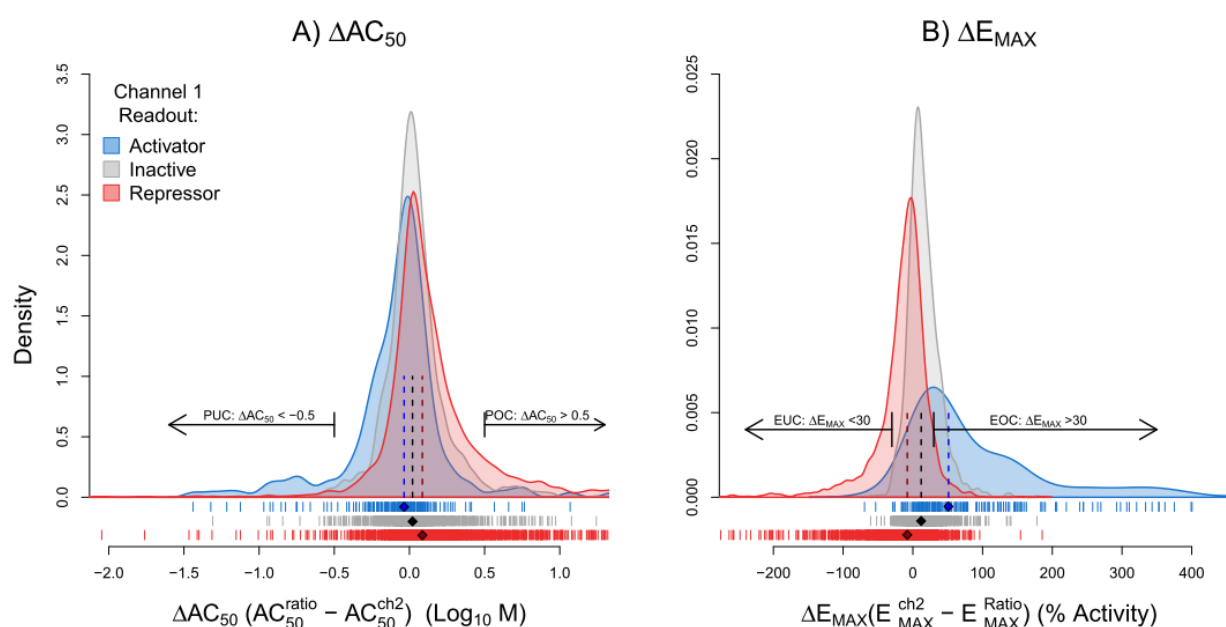


Figure S1: Distributions of the differences between target and ratio parameters for active channel concordant chemicals: A) potency ( $\Delta AC_{50}$ ) and B) efficacy ( $\Delta E_{MAX}$ ). The distributions are separated by channel 1 activity. The central (median) estimates for each distribution are identified with same-color dashed lines on the plot and colored diamonds on the sample count bar below the plot. Arrows identify the areas of high concern, where ratio CRCs underestimate or overestimate channel 2 potency (A) or efficacy (B) by a larger margin. Extreme outliers are not shown.  $\Delta AC_{50} = AC_{50}(\text{Ratio}) - AC_{50}(\text{Channel 2})$ ,  $\Delta E_{MAX} = E_{MAX}(\text{Channel 2}) - E_{MAX}(\text{Ratio})$ . Thus, positive values indicate higher potency and efficacy in target readout.

Table S1: Difference in potency ( $\Delta AC_{50}$ ) efficacy ( $\Delta E_{MAX}$ ) estimates between channel 2 and ratio endpoints for channel concordant chemicals.

Assay Name	Median difference in potency and efficacy					
	Channel 1: Repressor		Channel 1: Inactive		Channel 1: Activator	
	$\Delta AC_{50}$	$\Delta E_{MAX}$	$\Delta AC_{50}$	$\Delta E_{MAX}$	$\Delta AC_{50}$	$\Delta E_{MAX}$
ap1	-0.1	-14	-0.03	3	0.24	61
are	-0.06	2	-0.04	12	0.03	36
esre	-0.29	-22	0.03	11	0.08	110
hre	-0.44	-40	-0.02	11	0.05	77
hse	-0.11	-17	0.01	10	0.07	76
nfkb	-0.26	1	0.02	26	0.1	85
p53	-0.11	-11	-0.01	15	0.02	77
Total:	-0.1	-9	-0.03	10	0.05	63

$\Delta AC_{50} = AC_{50}(\text{Ratio}) - AC_{50}(\text{Channel 2})$ .  $\Delta E_{MAX} = E_{MAX}(\text{Channel 2}) - E_{MAX}(\text{Ratio})$ .  
Positive values indicate higher potency and efficacy in target readout.

## Differences in $E_{MAX}$ and $AC_{50}$ parameter for RFP, RFN, and CC chemicals

The efficacy and potency CRC parameters of RFP and RFN chemicals were compared to those of CC substances to look for explicit differences in CRC estimates. Across all assays, distributions of efficacy and potency parameters from the RFP chemicals are not easily distinguishable from those of channel concordant chemicals (Figure S2 A-B). However, on average, RFP substances have higher  $AC_{50}$  (lower potency) and a wider distribution of  $E_{MAX}$  estimates (Figure S2 A-B). Likewise, the efficacy and potency distributions for RFN chemicals are similar to channel concordant ones, with RFN chemicals exhibiting, on average, lower potency and efficacy but wider  $AC_{50}$  distribution (Figure S2 C-D). However, it is not possible to readily identify an RFP or RFN chemicals by the parameters of the ratio CRC alone.

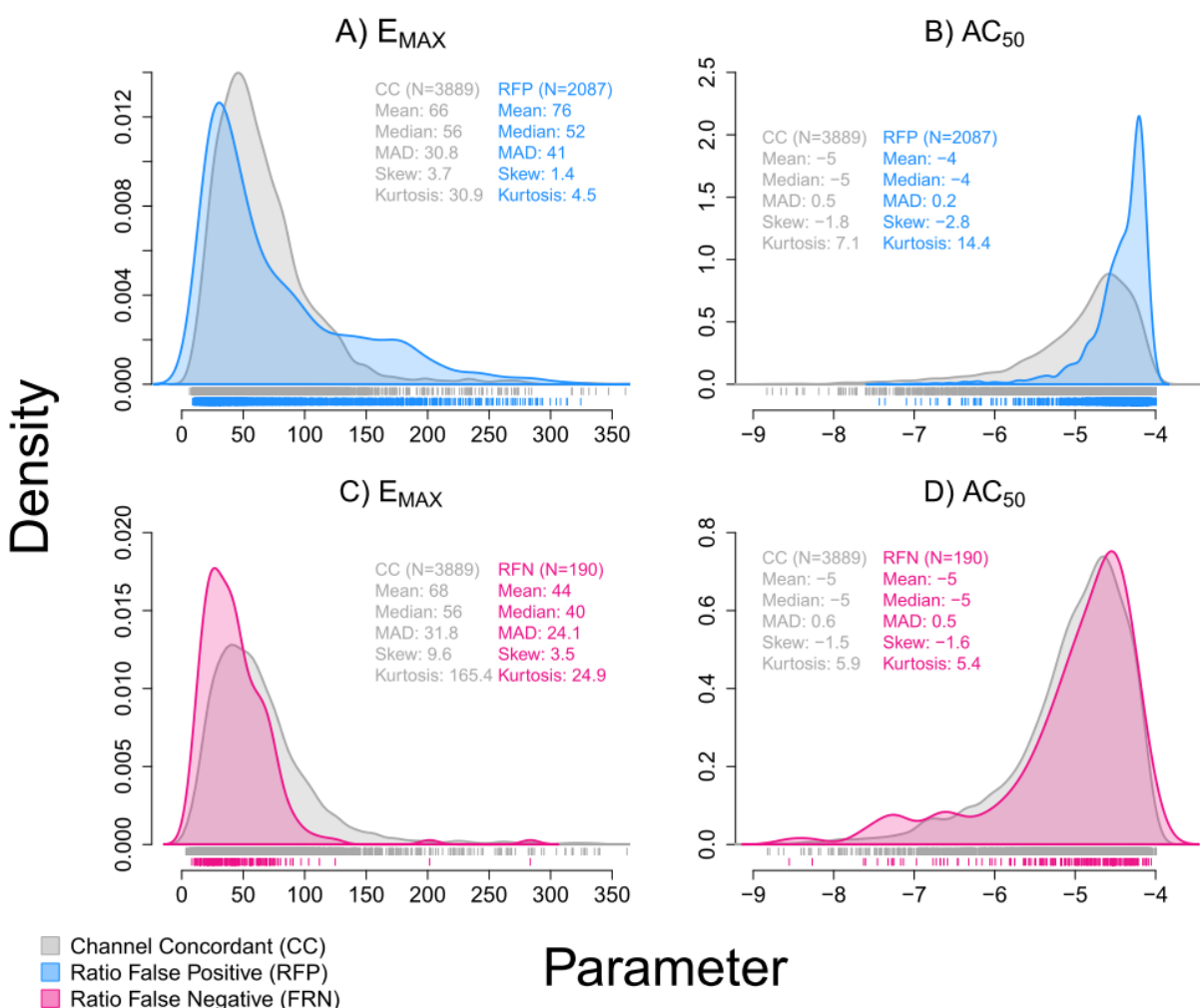


Figure S2: Comparison of  $E_{MAX}$  and  $AC_{50}$  parameter distributions for active channel concordant (CC) chemicals vs ratio false positive (RFP) chemicals (A-B) across all assays; and channel concordant (CC) chemicals vs ratio false negative (RFN) chemicals (C-D) across all assays. The distribution statistics are printed on the plot.

## Correlation between channel 1 and ratio parameters among RFP chemicals.

Table S2: Correlations Between Ratio and background CRC parameters for RFP Chemicals by Assay.

Assay	N	AC <sub>50</sub>	E <sub>MAX</sub>
ap1	204	0.55	0.71
are	97	0.71	0.71
esre	277	0.83	0.48
hre	470	0.89	0.83
hse	303	0.85	0.86
nfkB	255	0.83	0.50
p53	481	0.67	0.86

Table S2 describes the correlations between meaningful estimates of potency and efficacy in the ratio readouts and associated channel 1 response. For AC<sub>50</sub>, the Pearson correlation coefficient is calculated directly between channel 1 and ratio AC<sub>50</sub> values extracted from the CRCs lower higher channel 1 potency is correlated with higher ratio potency. EMAX calculations are more complicated since the exact location of the channel 1 and channel 2 signals has to be accounted for. The following procedure was employed to obtain meaningful correlation between estimates of channel 1 activity and ratio E<sub>MAX</sub>:

- 1) Calculate the concentration at which ratio readout reaches 95 % of its maximum values (AC<sub>95</sub><sup>Ratio</sup>)
- 2) Calculate the channel 1 activity at AC<sub>95</sub><sup>Ratio</sup>
- 3) Subtract channel 1 positive control value from channel 1 activity at AC<sub>95</sub><sup>Ratio</sup> to correct for center value of the normalization procedure. Let's call this value corrected channel 1 activity at AC<sub>95</sub><sup>Ratio</sup> (CC1A).
- 4) Calculate channel 2 activity at AC<sub>95</sub><sup>Ratio</sup> to account for channel 2 responses that are decreasing at AC<sub>95</sub><sup>Ratio</sup> concentration. Let's call this value channel 2 activity at AC<sub>95</sub><sup>Ratio</sup> (C2A).
- 5) Calculate the difference between 95 % ration E<sub>MAX</sub> and C2A to better approximate the ratio-channel 2 shifts. Let's call this value corrected ratio efficacy (CRE). Since for RFP chemicals channel 2 maximum activity is at or below the assay noise level, CRE is always positive.
- 6) Log transform (CRE) as the relationship between CRE and CC1A is not linear
- 7) Find Pearson correlations between CC1A and CRE.

The resulting correlations can be interpreted as the relative amount of efficacy increase in the ratio readout over channel 2 that is attributed to the change in channel 1 readout. Figure S3 visualizes the correlations by assay.

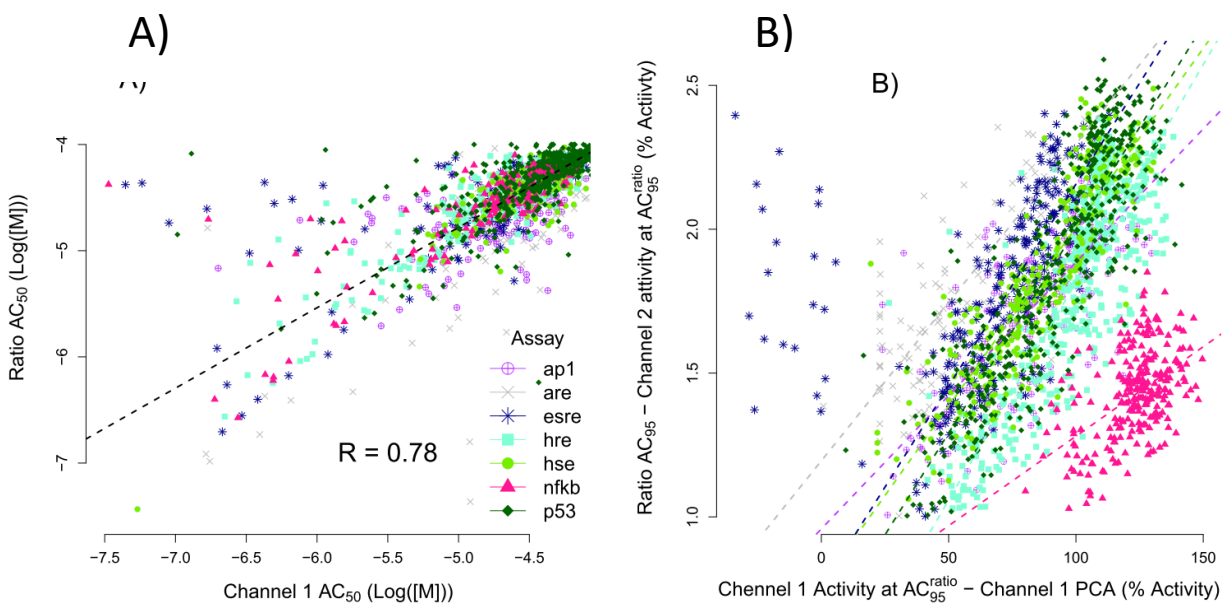


Figure S3: A) The relationship between channel 1 and ratio  $AC_{50}$  values for RFP chemicals; since the relationship is similar across all assays, correlation coefficient and the line of best fit for all data are shown. B) The relationship between ratio  $E_{MAX}$  estimates and associated channel 1 activity for RFP. Since the relationships are separated by assay based on the channel 1 positive control value, line of best fit for each assay is shown. PCA = positive control activity.

Table S3: Summary of titration series in the six categories of concern that are produced by auto-fluorescence chemicals.

Category	CRC #	Auto-fluorescence			
		Blue		Green	
		#	%	#	%
EOC	539	21	3.9	9	1.7
EUC	545	116	21.3	5	0.9
POC	68	16	23.5	0	0.0
PUC	371	11	3.0	2	0.5
RFN	190	16	8.4	13	6.8
RFP	2087	11	0.5	10	0.5

Table S4: Description of column names for concentration-response fit data (Table S6)

Column Name	Column Description	Possible values
CAS	Cas number with dashes removed. I.e. CAS # 500-00-0 is reports as 5000000.	
CASlib	A unique id for each concentration-response fit based on CAS # and supplying agency.	CAS_[Supplying agency]
endpoint	Identifies assay and channel of the measurement	Assayname_channel
activity	Final activity classification for the concentration-response curve for each endpoint	Inactive, Activator, Repressor, Complex.
call.type	Chemical-based designation for activity across channels and flags for categories of potential concern.	cci - channel-concordant inactive; cca - channel-concordant active; rfp - ratio false positive; rfn – ratio false negative; EOC - efficacy overestimation of concern; EUC - efficacy underestimation of concern; POC – potency overestimation of concern; PUC- potency underestimation of concern.
win.mdl	The winning CRC model for each endpoint+CASlib combination	cnst, hill, hill.inv, gnls, gnls.inv
win.prb	Probability of the winning model	Positive value above 0 and no greater than 1.
ncnc	Number of concentrations used for CRC fit	7-15
up.rmids	Number of median responses above positive activity cutoff	0-15
dn.rmids	Number of median responses below negative activity cutoff	0-15
fit	CRC fit convergence note	0 – successful convergence 10 – degeneracy of the Nelder-Mead simplex
lik	The log-likelihood value for the final fit	Numeric < 0
aicc	Small sample corrected model information criteria for the model fit	Numeric > 0
aic	Akaike information criteria for the model fit	Numeric > 0
rmse	Model root mean squared error	Numeric > 0
ga	half maximal effect concentration for the increasing part of the curve if the model is hill or gnls and the decreasing part of the curve if the model is hill.inv or gnls.inv	Numeric in (log <sub>10</sub> (M)) or NA. lower numbers indicate more potent chemicals. NA indicates cnst model.
gw	Hill slope for the increasing part of the curve if the model is hill or gnls and the decreasing part of the curve if the model is hill.inv or gnls.inv	Numeric between 0.3 and 8 or NA. Higher values indicated steeper curve. NA indicates cnst model.
zr	The zero activity for the concentration-response curve	Numeric from negative to positive infinity or NA. NA indicates cnst model.
tp	The Emax value.	Numeric from negative to positive infinity. Higher values indicated higher efficacy. NA indicates cnst model.

la	half maximal effect concentration for the decreasing part of the curve if the model gnls and the increasing part of the curve if the model is gnls.inv	Numeric in (log <sub>10</sub> (M)) or NA. lower numbers indicate more potent chemicals. NA indicates cnst, hill, or hill.inv model.
lw	Hill slope for the decreasing part of the curve if the model gnls and the increasing part of the curve if the model is gnls.inv	Numeric between 0.3 and 8. Higher values indicated steeper curve. NA indicates cnst, hill, or hill.inv model.
bt	The final activity for the gnls or gnls.inv model.	Numeric from negative to positive infinity or NA. NA indicates cnst, hill, or hill.inv model.
er	The variance of the t-distribution	Positive numeric value. Higher value indicates higher variability around the concentration-response curve.



**Table S5: The results of structure based clustering for the chemicals in six categories of potential concern.**

Cluster Size	Cluster ID	Chemical CAS #
15	97	'114569-84-5
15	97	'171058-21-2
15	97	'219947-93-0
15	97	'219947-96-3
15	97	'244193-59-7
15	97	'244193-64-4
15	97	'362043-46-7
15	97	'404001-48-5
15	97	'404001-49-6
15	97	'404001-50-9
15	97	'404001-52-1
15	97	'412009-62-2
15	97	'433337-23-6
15	97	'61546-01-8
15	97	'81995-09-7
10	81	'1119-94-4
10	81	'1119-97-7
10	81	'112-00-5
10	81	'112-02-7
10	81	'112-03-8
10	81	'124-03-8
10	81	'2390-68-3
10	81	'4574-04-3
10	81	'57-09-0
10	81	'7173-51-5
9	371	'191-24-2
9	371	'192-97-2
9	371	'193-39-5
9	371	'205-99-2
9	371	'207-08-9
9	371	'50-32-8
9	371	'53-70-3
9	371	'56-55-3
9	371	'63041-77-0
7	347	'1763-23-1
7	347	'2058-94-8
7	347	'2795-39-3
7	347	'335-67-1
7	347	'335-76-2
7	347	'375-95-1
7	347	'754-91-6
6	144	'122-18-9
6	144	'122-19-0

6	144	'139-07-1
6	144	'147228-81-7
6	144	'538-71-6
6	144	'7281-04-1
6	616	'379-52-2
6	616	'594-30-9
6	616	'603-33-8
6	616	'603-36-1
6	616	'639-58-7
6	616	'76-87-9
6	657	'434-22-0
6	657	'521-18-6
6	657	'58-18-4
6	657	'58-22-0
6	657	'68-96-2
6	657	'72-63-9
5	62	'1083-27-8
5	62	'1085-12-7
5	62	'1219-38-1
5	62	'2493-84-7
5	62	'38713-56-3
5	111	'116-31-4
5	111	'302-79-4
5	111	'472-86-6
5	111	'4759-48-2
5	111	'68-26-8
5	122	'1191-50-0
5	122	'142-87-0
5	122	'151-21-3
5	122	'2235-54-3
5	122	'3026-63-9
5	169	'128-04-1
5	169	'137-29-1
5	169	'137-30-4
5	169	'14484-64-1
5	169	'598-64-1
5	376	'19356-17-3
5	376	'32222-06-3
5	376	'41294-56-8
5	376	'55721-11-4
5	376	'67-97-0
5	401	'20830-81-3
5	401	'23541-50-6
5	401	'25316-40-9
5	401	'50935-04-1
5	401	'57852-57-0
4	39	'104-40-5

4	39	'1806-26-4
4	39	'18979-55-0
4	39	'1987-50-4
4	44	'10540-29-1
4	44	'54965-24-1
4	44	'68047-06-3
4	44	'89778-27-8
4	91	'112-63-0
4	91	'463-40-1
4	91	'60-33-3
4	91	'6114-21-2
4	314	'1600-27-7
4	314	'563-68-8
4	314	'5743-04-4
4	314	'638-38-0
4	470	'258864-54-9
4	470	'374683-44-0
4	470	'654057-97-3
4	470	'701921-71-3
4	730	'51-28-5
4	730	'70-34-8
4	730	'97-00-7
4	730	'97-02-9
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3	37	'1239-29-8
3	37	'434-07-1
3	104	'115-32-2
3	104	'50-29-3
3	104	'72-54-8
3	107	'1155-74-4
3	107	'123-03-5
3	107	'140-72-7
3	118	'117704-25-3
3	118	'133305-88-1
3	118	'71827-03-7
3	129	'120-12-7
3	129	'17135-78-3
3	129	'613-13-8
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3	138	'375395-33-8
3	138	'5137-55-3
3	188	'131-55-5
3	188	'31127-54-5
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3	292	'1541-67-9
3	292	'1541-81-7
3	292	'18924-66-8

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3	340	'50-49-7
3	604	'3697-42-5
3	604	'55-56-1
3	604	'56-95-1
3	626	'39025-23-5
3	626	'39025-24-6
3	626	'63-05-8
3	697	'4901-51-3
3	697	'58-90-2
3	697	'935-95-5
3	736	'51630-58-1
3	736	'66230-04-4
3	736	'70124-77-5
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3	945	'844-26-8
3	945	'97-18-7
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2	22	'69409-94-5
2	24	'1031-07-8
2	24	'115-29-7
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2	32	'90-33-5
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2	154	'39156-41-7
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2	219	'90-30-2
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2	301	'523-27-3
2	306	'1571-75-1
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2	323	'2095-03-6
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2	345	'17598-65-1
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2	360	'952-23-8
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2	400	'71-63-6
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2	421	'386-17-4
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2	530	'595-33-5
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2	589	'35554-44-0
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2	659	'530-78-9
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2	694	'485-31-4
2	694	'973-21-7
2	704	'497-39-2
2	704	'96-76-4
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2	809	'60-11-7
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2	848	'60-87-7
2	862	'59-33-6
2	862	'91-84-9
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2	875	'63284-71-9
2	894	'609-19-8
2	894	'933-78-8
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2	1035	'91-95-2
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1	29	'103475-41-8
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1	33	'103890-78-4
1	34	'10402-53-6
1	35	'104054-27-5
1	36	'104-12-1
1	38	'104-32-5
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1	41	'10453-86-8
1	43	'10527-16-9
1	45	'1055-55-6
1	46	'105624-86-0
1	47	'105-76-0
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1	919	'6219-89-2
1	920	'623-07-4
1	922	'623-51-8
1	923	'62-38-4
1	924	'62-51-1
1	925	'625-48-9
1	926	'62-68-0
1	927	'62-73-7
1	928	'628-63-7
1	930	'630-56-8
1	932	'630-60-4
1	933	'6317-18-6
1	934	'632-69-9
1	935	'632-79-1
1	937	'633-03-4
1	938	'633-96-5
1	939	'6358-53-8
1	940	'63675-72-9
1	941	'637-03-6
1	942	'638-07-3
1	943	'63837-33-2
1	946	'63-92-3
1	948	'6402-23-9
1	949	'64211-46-7
1	950	'64359-81-5
1	951	'643-79-8
1	952	'645-49-8
1	953	'6459-94-5
1	954	'64706-54-3
1	955	'64-72-2
1	956	'64-85-7
1	957	'64872-77-1
1	958	'65277-42-1
1	961	'65473-14-5
1	962	'65558-69-2
1	964	'65646-68-6
1	966	'65733-18-8
1	967	'65899-73-2
1	968	'66063-05-6
1	970	'66332-96-5
1	971	'666-99-9
1	972	'66-71-7
1	973	'66-81-9
1	974	'668-94-0
1	975	'67199-66-0
1	976	'67-20-9
1	977	'6724-53-4

1	978	'67-28-7
1	979	'67-30-1
1	980	'67469-78-7
1	981	'67485-29-4
1	982	'676116-04-4
1	983	'67-63-0
1	986	'6807-17-6
1	987	'68157-60-8
1	989	'683-18-1
1	990	'6843-66-9
1	991	'686756-87-6
1	992	'68677-26-9
1	993	'68694-11-1
1	994	'68786-66-3
1	995	'68844-77-9
1	996	'68-90-6
1	997	'68959-20-6
1	999	'69045-83-6
1	1000	'69327-76-0
1	1002	'6965-71-5
1	1003	'69806-34-4
1	1004	'6983-79-5
1	1005	'700-06-1
1	1006	'7007-96-7
1	1009	'70-30-4
1	1011	'70476-82-3
1	1012	'7059-24-7
1	1013	'70862-65-6
1	1014	'709-98-8
1	1015	'71526-07-3
1	1016	'71626-11-4
1	1019	'7177-50-6
1	1021	'72496-41-4
1	1022	'72509-76-3
1	1023	'725228-45-5
1	1025	'72-55-9
1	1026	'72559-06-9
1	1027	'72-56-0
1	1029	'72-80-0
1	1033	'7328-97-4
1	1034	'73367-80-3
1	1036	'741-58-2
1	1037	'74-31-7
1	1039	'74512-12-2
1	1040	'74772-77-3
1	1041	'75-07-0
1	1043	'7534-94-3

1	1044	'75443-99-1
1	1046	'75529-73-6
1	1047	'75706-12-6
1	1048	'7575-23-7
1	1049	'75-96-7
1	1050	'76150-91-9
1	1051	'764-42-1
1	1052	'76-44-8
1	1053	'76-60-8
1	1056	'77-19-0
1	1057	'7724-76-7
1	1059	'77-47-4
1	1060	'77-53-2
1	1061	'78-41-1
1	1062	'78416-81-6
1	1064	'79-00-5
1	1065	'79-11-8
1	1066	'79-19-6
1	1067	'793-24-8
1	1068	'79558-09-1
1	1069	'79622-59-6
1	1070	'79-74-3
1	1071	'79794-75-5
1	1073	'79944-58-4
1	1074	'79-94-7
1	1075	'79-95-8
1	1077	'80-05-7
1	1078	'80-15-9
1	1079	'80-46-6
1	1080	'80809-81-0
1	1081	'808-26-4
1	1082	'81-20-9
1	1083	'81403-68-1
1	1084	'81406-37-3
1	1085	'81-55-0
1	1086	'81-64-1
1	1089	'82034-46-6
1	1090	'82318-06-7
1	1091	'825643-57-0
1	1093	'82657-04-3
1	1095	'82-68-8
1	1096	'82-86-0
1	1097	'83-26-1
1	1098	'836-30-6
1	1099	'83783-69-1
1	1100	'83-79-4
1	1101	'84-15-1



1	1102	'84-16-2
1	1103	'842-07-9
1	1104	'843-55-0
1	1105	'84371-65-3
1	1108	'84878-61-5
1	1109	'85532-75-8
1	1110	'85-60-9
1	1111	'85801-02-1
1	1112	'85-83-6
1	1113	'86-20-4
1	1114	'86541-74-4
1	1115	'86-75-9
1	1116	'868540-17-4
1	1117	'87-01-4
1	1118	'87-10-5
1	1119	'87-26-3
1	1120	'87-56-9
1	1121	'87-86-5
1	1122	'879-39-0
1	1123	'88107-10-2
1	1124	'88-24-4
1	1126	'88-30-2
1	1127	'88-58-4
1	1128	'88-60-8
1	1129	'886-38-4
1	1130	'89-02-1
1	1131	'89-68-9
1	1132	'89-69-0
1	1134	'90038-01-0
1	1135	'90-03-9
1	1137	'90274-24-1
1	1140	'90729-43-4
1	1142	'91-44-1
1	1143	'91-53-2
1	1145	'91-68-9
1	1146	'918-00-3
1	1148	'918639-10-8
1	1150	'92-04-6
1	1151	'921-03-9
1	1152	'92-31-9
1	1153	'92-39-7
1	1154	'92-55-7
1	1155	'92-67-1
1	1156	'92-88-6
1	1157	'929-73-7
1	1158	'93-05-0
1	1161	'93-76-5

1	1162	'93-83-4
1	1163	'938-73-8
1	1164	'941-69-5
1	1165	'94361-06-5
1	1166	'94-37-1
1	1167	'94739-29-4
1	1168	'94-91-7
1	1169	'94-97-3
1	1172	'95233-18-4
1	1173	'95-32-9
1	1174	'95-33-0
1	1175	'95-54-5
1	1176	'95-55-6
1	1177	'95737-68-1
1	1178	'95-95-4
1	1179	'96686-51-0
1	1180	'96-69-5
1	1181	'96-70-8
1	1185	'971-15-3
1	1190	'97322-87-7
1	1191	'97-56-3
1	1192	'97-74-5
1	1193	'97-77-8
1	1194	'97-86-9
1	1195	'98-29-3
1	1196	'98319-26-7
1	1197	'98-53-3
1	1198	'989-38-8
1	1199	'99-07-0
1	1200	'993-16-8
1	1201	'99607-70-2
1	1202	'NOCAS_47255
1	1203	'NOCAS_47311
1	1204	'NOCAS_47328
1	1205	'NOCAS_47330
1	1206	'NOCAS_47342
1	1207	'NOCAS_47349
1	1208	'NOCAS_47351
1	1209	'NOCAS_47353
1	1210	'NOCAS_47366
1	1211	'NOCAS_47374
1	1212	'NOCAS_47377
1	1213	'NOCAS_47379
1	1214	'NOCAS_47381
1	1215	'NOCAS_47387
1	1216	'NOCAS_47389
1	1217	'NOCAS_48505

1	1218	'NOCAS_48522
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Table S6: Summary of concentration-response fits and activity designations for active titration series in the seven BLA assays.

CAS	CASlib	endpoint	activity	call.type	win.mdl
100107	100107~EPA	are-bla_ch1	Inactive	cca	cnst
100107	100107~EPA	are-bla_ch2	Activator	cca	hill
100107	100107~EPA	are-bla_ratio	Activator	cca	hill
100107	100107~EPA	are-bla_via	Inactive	cca	cnst
100141	100141~NTP	are-bla_ch1	Repressor	cca	hill.inv
100141	100141~NTP	are-bla_ch2	Activator	cca	gnls
100141	100141~NTP	are-bla_ratio	Activator	cca	gnls
100141	100141~NTP	are-bla_via	Inactive	cca	cnst
100221	100221~NTP	are-bla_ch1	Repressor	cca	hill.inv
100221	100221~NTP	are-bla_ch2	Activator	cca	hill
100221	100221~NTP	are-bla_ratio	Activator	cca	hill
100221	100221~NTP	are-bla_via	Inactive	cca	cnst
100254	100254~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
100254	100254~NTP	ap1-agonist_ch2	Activator	cca	gnls
100254	100254~NTP	ap1-agonist_ratio	Activator	cca	hill
100254	100254~NTP	ap1-agonist_via	Inactive	cca	cnst
10025828	10025828~EPA	are-bla_ch1	Repressor	cca	hill.inv
10025828	10025828~EPA	are-bla_ch2	Activator	cca	hill
10025828	10025828~EPA	are-bla_ratio	Activator	cca	hill
10025828	10025828~EPA	are-bla_via	Inactive	cca	cnst
10025828	10025828~FDA	are-bla_ch1	Repressor	cca	hill.inv
10025828	10025828~FDA	are-bla_ch2	Activator	cca	hill
10025828	10025828~FDA	are-bla_ratio	Activator	cca	hill
10025828	10025828~FDA	are-bla_via	Inactive	cca	cnst
10025828	10025828~NTP	are-bla_ch1	Repressor	cca	hill.inv
10025828	10025828~NTP	are-bla_ch2	Activator	cca	hill
10025828	10025828~NTP	are-bla_ratio	Activator	cca	hill
10025828	10025828~NTP	are-bla_via	Inactive	cca	cnst
10025919	10025919~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
10025919	10025919~EPA	ap1-agonist_ch2	Activator	EOC	hill
10025919	10025919~EPA	ap1-agonist_ratio	Activator	EOC	hill
10025919	10025919~EPA	ap1-agonist_via	Inactive	EOC	cnst
10025919	10025919~EPA	are-bla_ch1	Repressor	PUC	hill.inv
10025919	10025919~EPA	are-bla_ch2	Activator	PUC	hill
10025919	10025919~EPA	are-bla_ratio	Activator	PUC	hill
10025919	10025919~EPA	are-bla_via	Inactive	PUC	cnst
10025919	10025919~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
10025919	10025919~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
10025919	10025919~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
10025919	10025919~EPA	hre-bla-agonist_via	Activator	rfp	hill
10025919	10025919~EPA	hse-bla_ch1	Repressor	cca	hill.inv
10025919	10025919~EPA	hse-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
10025919	10025919~EPA	hse-bla_ratio	Activator	cca	gnls
10025919	10025919~EPA	hse-bla_via	Inactive	cca	cnst
10025919	10025919~EPA	p53-bla_ch1	Inactive	PUC	cnst
10025919	10025919~EPA	p53-bla_ch2	Activator	PUC	hill
10025919	10025919~EPA	p53-bla_ratio	Activator	PUC	hill
10025919	10025919~EPA	p53-bla_via	Inactive	PUC	cnst
10026241	10026241~NTP	are-bla_ch1	Repressor	cca	hill.inv
10026241	10026241~NTP	are-bla_ch2	Activator	cca	gnls
10026241	10026241~NTP	are-bla_ratio	Activator	cca	hill
10026241	10026241~NTP	are-bla_via	Inactive	cca	cnst
10026241	10026241~NTP	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
10026241	10026241~NTP	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
10026241	10026241~NTP	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
10026241	10026241~NTP	hre-bla-agonist_via	Inactive	EOC/PUC	cnst
100286906	100286906~FDA	ap1-agonist_ch1	Inactive	cca	cnst
100286906	100286906~FDA	ap1-agonist_ch2	Activator	cca	hill
100286906	100286906~FDA	ap1-agonist_ratio	Activator	cca	hill
100286906	100286906~FDA	ap1-agonist_via	Inactive	cca	cnst
100286906	100286906~FDA	p53-bla_ch1	Repressor	cca	hill.inv
100286906	100286906~FDA	p53-bla_ch2	Activator	cca	hill
100286906	100286906~FDA	p53-bla_ratio	Activator	cca	hill
100286906	100286906~FDA	p53-bla_via	Inactive	cca	cnst
100298	100298~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
100298	100298~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
100298	100298~NTP	ap1-agonist_ratio	Activator	rfp	hill
100298	100298~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
100298	100298~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
100298	100298~NTP	esre-bla_ch2	Inactive	rfp	cnst
100298	100298~NTP	esre-bla_ratio	Activator	rfp	hill
100298	100298~NTP	esre-bla_via	Repressor	rfp	hill.inv
100298	100298~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
100298	100298~NTP	hse-bla_ch2	Inactive	rfp	cnst
100298	100298~NTP	hse-bla_ratio	Activator	rfp	hill
100298	100298~NTP	hse-bla_via	Repressor	rfp	hill.inv
100298	100298~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
100298	100298~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
100298	100298~NTP	p53-bla_ratio	Activator	rfp	hill
100298	100298~NTP	p53-bla_via	Repressor	rfp	hill.inv
100561	100561~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
100561	100561~EPA	ap1-agonist_ch2	Activator	PUC	gnls
100561	100561~EPA	ap1-agonist_ratio	Activator	PUC	hill
100561	100561~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
100561	100561~EPA	are-bla_ch1	Repressor	cca	hill.inv
100561	100561~EPA	are-bla_ch2	Activator	cca	gnls
100561	100561~EPA	are-bla_ratio	Activator	cca	gnls
100561	100561~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
100561	100561~EPA	esre-bla_ch1	Complex	rfp	gnls
100561	100561~EPA	esre-bla_ch2	Inactive	rfp	cnst
100561	100561~EPA	esre-bla_ratio	Activator	rfp	hill
100561	100561~EPA	esre-bla_via	Repressor	rfp	hill.inv
100561	100561~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
100561	100561~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
100561	100561~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
100561	100561~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
100561	100561~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
100561	100561~EPA	hse-bla_ch2	Activator	PUC	gnls
100561	100561~EPA	hse-bla_ratio	Activator	PUC	hill
100561	100561~EPA	hse-bla_via	Repressor	PUC	hill.inv
100561	100561~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
100561	100561~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
100561	100561~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
100561	100561~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
100561	100561~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
100561	100561~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
100561	100561~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
100561	100561~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
100641	100641~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
100641	100641~EPA	ap1-agonist_ch2	Activator	cca	hill
100641	100641~EPA	ap1-agonist_ratio	Activator	cca	hill
100641	100641~EPA	ap1-agonist_via	Inactive	cca	cnst
100652	100652~NTP	are-bla_ch1	Inactive	cca	cnst
100652	100652~NTP	are-bla_ch2	Activator	cca	hill
100652	100652~NTP	are-bla_ratio	Activator	cca	hill
100652	100652~NTP	are-bla_via	Inactive	cca	cnst
10081671	10081671~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
10081671	10081671~EPA	esre-bla_ch2	Inactive	rfp	cnst
10081671	10081671~EPA	esre-bla_ratio	Activator	rfp	hill
10081671	10081671~EPA	esre-bla_via	Inactive	rfp	cnst
10081671	10081671~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
10081671	10081671~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
10081671	10081671~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
10081671	10081671~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
10081671	10081671~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
10081671	10081671~EPA	hse-bla_ch2	Inactive	rfp	cnst
10081671	10081671~EPA	hse-bla_ratio	Activator	rfp	hill
10081671	10081671~EPA	hse-bla_via	Inactive	rfp	cnst
10081671	10081671~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
10081671	10081671~NTP	esre-bla_ch2	Inactive	rfp	cnst
10081671	10081671~NTP	esre-bla_ratio	Activator	rfp	hill
10081671	10081671~NTP	esre-bla_via	Inactive	rfp	cnst
10081671	10081671~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
10081671	10081671~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
10081671	10081671~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
10081671	10081671~NTP	hre-bla-agonist_via	Activator	rfp	hill
10081671	10081671~NTP	nfk-bla-agonist_ch1	Repressor	rfp	hill.inv
10081671	10081671~NTP	nfk-bla-agonist_ch2	Inactive	rfp	cnst
10081671	10081671~NTP	nfk-bla-agonist_ratio	Activator	rfp	hill
10081671	10081671~NTP	nfk-bla-agonist_via	Inactive	rfp	cnst
10081671	10081671~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
10081671	10081671~NTP	p53-bla_ch2	Inactive	rfp	cnst
10081671	10081671~NTP	p53-bla_ratio	Activator	rfp	hill
10081671	10081671~NTP	p53-bla_via	Inactive	rfp	cnst
100889	100889~EPA	are-bla_ch1	Inactive	EUC	cnst
100889	100889~EPA	are-bla_ch2	Activator	EUC	hill
100889	100889~EPA	are-bla_ratio	Activator	EUC	hill
100889	100889~EPA	are-bla_via	Inactive	EUC	cnst
101001347	101001347~FDA	are-bla_ch1	Repressor	cca	hill.inv
101001347	101001347~FDA	are-bla_ch2	Activator	cca	hill
101001347	101001347~FDA	are-bla_ratio	Activator	cca	hill
101001347	101001347~FDA	are-bla_via	Inactive	cca	cnst
101001347	101001347~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
101001347	101001347~FDA	p53-bla_ch2	Inactive	rfp	cnst
101001347	101001347~FDA	p53-bla_ratio	Activator	rfp	hill
101001347	101001347~FDA	p53-bla_via	Inactive	rfp	cnst
101053	101053~EPA	are-bla_ch1	Inactive	cca	cnst
101053	101053~EPA	are-bla_ch2	Activator	cca	hill
101053	101053~EPA	are-bla_ratio	Activator	cca	hill
101053	101053~EPA	are-bla_via	Inactive	cca	cnst
10108642	10108642~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
10108642	10108642~EPA	ap1-agonist_ch2	Activator	cca	gnls
10108642	10108642~EPA	ap1-agonist_ratio	Activator	cca	gnls
10108642	10108642~EPA	ap1-agonist_via	Inactive	cca	cnst
10108642	10108642~EPA	esre-bla_ch1	Repressor	cca	hill.inv
10108642	10108642~EPA	esre-bla_ch2	Activator	cca	gnls
10108642	10108642~EPA	esre-bla_ratio	Activator	cca	gnls
10108642	10108642~EPA	esre-bla_via	Inactive	cca	cnst
10108642	10108642~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
10108642	10108642~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
10108642	10108642~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
10108642	10108642~EPA	hre-bla-agonist_via	Complex	EOC/PUC	gnls
10108642	10108642~EPA	hse-bla_ch1	Repressor	cca	hill.inv
10108642	10108642~EPA	hse-bla_ch2	Activator	cca	gnls
10108642	10108642~EPA	hse-bla_ratio	Activator	cca	gnls
10108642	10108642~EPA	hse-bla_via	Inactive	cca	cnst
10108642	10108642~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
10108642	10108642~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
10108642	10108642~EPA	p53-bla_ratio	Activator	rfp	hill
10108642	10108642~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
10108642	10108642~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
10108642	10108642~NTP	ap1-agonist_ch2	Activator	cca	gnls
10108642	10108642~NTP	ap1-agonist_ratio	Activator	cca	gnls
10108642	10108642~NTP	ap1-agonist_via	Repressor	cca	hill.inv
10108642	10108642~NTP	esre-bla_ch1	Complex	cca	gnls.inv
10108642	10108642~NTP	esre-bla_ch2	Activator	cca	gnls
10108642	10108642~NTP	esre-bla_ratio	Activator	cca	gnls
10108642	10108642~NTP	esre-bla_via	Repressor	cca	hill.inv
10108642	10108642~NTP	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
10108642	10108642~NTP	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
10108642	10108642~NTP	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
10108642	10108642~NTP	hre-bla-agonist_via	Complex	EOC/PUC	gnls
10108642	10108642~NTP	hse-bla_ch1	Repressor	cca	hill.inv
10108642	10108642~NTP	hse-bla_ch2	Activator	cca	gnls
10108642	10108642~NTP	hse-bla_ratio	Activator	cca	gnls
10108642	10108642~NTP	hse-bla_via	Repressor	cca	hill.inv
10108642	10108642~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
10108642	10108642~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
10108642	10108642~NTP	p53-bla_ratio	Activator	rfp	hill
10108642	10108642~NTP	p53-bla_via	Repressor	rfp	hill.inv
101144	101144~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
101144	101144~NTP	p53-bla_ch2	Inactive	rfp	cnst
101144	101144~NTP	p53-bla_ratio	Activator	rfp	hill
101144	101144~NTP	p53-bla_via	Inactive	rfp	cnst
101188	101188~NTP	are-bla_ch1	Inactive	cca	cnst
101188	101188~NTP	are-bla_ch2	Activator	cca	gnls
101188	101188~NTP	are-bla_ratio	Activator	cca	hill
101188	101188~NTP	are-bla_via	Inactive	cca	cnst
101202	101202~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
101202	101202~EPA	ap1-agonist_ch2	Activator	cca	gnls
101202	101202~EPA	ap1-agonist_ratio	Activator	cca	gnls
101202	101202~EPA	ap1-agonist_via	Inactive	cca	cnst
101202	101202~EPA	are-bla_ch1	Activator	cca	hill
101202	101202~EPA	are-bla_ch2	Activator	cca	gnls
101202	101202~EPA	are-bla_ratio	Activator	cca	gnls
101202	101202~EPA	are-bla_via	Repressor	cca	hill.inv
101202	101202~EPA	p53-bla_ch1	Repressor	cca	hill.inv
101202	101202~EPA	p53-bla_ch2	Activator	cca	hill
101202	101202~EPA	p53-bla_ratio	Activator	cca	hill
101202	101202~EPA	p53-bla_via	Inactive	cca	cnst
101202	101202~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
101202	101202~FDA	ap1-agonist_ch2	Activator	cca	gnls
101202	101202~FDA	ap1-agonist_ratio	Activator	cca	gnls
101202	101202~FDA	ap1-agonist_via	Inactive	cca	cnst
101202	101202~FDA	are-bla_ch1	Activator	cca	hill
101202	101202~FDA	are-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
101202	101202~FDA	are-bla_ratio	Activator	cca	gnls
101202	101202~FDA	are-bla_via	Repressor	cca	hill.inv
101202	101202~FDA	p53-bla_ch1	Repressor	cca	hill.inv
101202	101202~FDA	p53-bla_ch2	Activator	cca	hill
101202	101202~FDA	p53-bla_ratio	Activator	cca	hill
101202	101202~FDA	p53-bla_via	Inactive	cca	cnst
101202	101202~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
101202	101202~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
101202	101202~NTP	ap1-agonist_ratio	Activator	rfp	hill
101202	101202~NTP	ap1-agonist_via	Inactive	rfp	cnst
101202	101202~NTP	are-bla_ch1	Activator	rfn	hill
101202	101202~NTP	are-bla_ch2	Activator	rfn	gnls
101202	101202~NTP	are-bla_ratio	Inactive	rfn	hill.inv
101202	101202~NTP	are-bla_via	Repressor	rfn	hill.inv
101202	101202~NTP	p53-bla_ch1	Repressor	cca	hill.inv
101202	101202~NTP	p53-bla_ch2	Activator	cca	gnls
101202	101202~NTP	p53-bla_ratio	Activator	cca	hill
101202	101202~NTP	p53-bla_via	Inactive	cca	cnst
101279	101279~EPA	are-bla_ch1	Repressor	EUC	hill.inv
101279	101279~EPA	are-bla_ch2	Activator	EUC	gnls
101279	101279~EPA	are-bla_ratio	Activator	EUC	gnls
101279	101279~EPA	are-bla_via	Repressor	EUC	hill.inv
101279	101279~EPA	esre-bla_ch1	Activator	rfn	hill
101279	101279~EPA	esre-bla_ch2	Activator	rfn	gnls
101279	101279~EPA	esre-bla_ratio	Inactive	rfn	hill.inv
101279	101279~EPA	esre-bla_via	Inactive	rfn	cnst
101279	101279~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
101279	101279~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
101279	101279~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
101279	101279~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
101279	101279~EPA	hse-bla_ch1	Repressor	cca	hill.inv
101279	101279~EPA	hse-bla_ch2	Activator	cca	gnls
101279	101279~EPA	hse-bla_ratio	Activator	cca	hill
101279	101279~EPA	hse-bla_via	Repressor	cca	hill.inv
101279	101279~EPA	p53-bla_ch1	Repressor	cca	hill.inv
101279	101279~EPA	p53-bla_ch2	Activator	cca	gnls
101279	101279~EPA	p53-bla_ratio	Activator	cca	gnls
101279	101279~EPA	p53-bla_via	Repressor	cca	hill.inv
101463698	101463698~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
101463698	101463698~EPA	ap1-agonist_ch2	Activator	cca	gnls
101463698	101463698~EPA	ap1-agonist_ratio	Activator	cca	gnls
101463698	101463698~EPA	ap1-agonist_via	Inactive	cca	cnst
101463698	101463698~EPA	are-bla_ch1	Repressor	cca	hill.inv
101463698	101463698~EPA	are-bla_ch2	Activator	cca	hill
101463698	101463698~EPA	are-bla_ratio	Activator	cca	gnls
101463698	101463698~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
101477547	101477547~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
101477547	101477547~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
101477547	101477547~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
101477547	101477547~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
101531	101531~NTP	are-bla_ch1	Repressor	cca	hill.inv
101531	101531~NTP	are-bla_ch2	Activator	cca	hill
101531	101531~NTP	are-bla_ratio	Activator	cca	hill
101531	101531~NTP	are-bla_via	Inactive	cca	cnst
101542	101542~EPA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
101542	101542~EPA	are-bla_ch2	Activator	EOC/PUC	gnls
101542	101542~EPA	are-bla_ratio	Activator	EOC/PUC	hill
101542	101542~EPA	are-bla_via	Inactive	EOC/PUC	cnst
101542	101542~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
101542	101542~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
101542	101542~NTP	ap1-agonist_ratio	Activator	rfp	hill
101542	101542~NTP	ap1-agonist_via	Inactive	rfp	cnst
10161338	10161338~EPA	are-bla_ch1	Inactive	cca	cnst
10161338	10161338~EPA	are-bla_ch2	Activator	cca	hill
10161338	10161338~EPA	are-bla_ratio	Activator	cca	hill
10161338	10161338~EPA	are-bla_via	Inactive	cca	cnst
10161338	10161338~NTP	are-bla_ch1	Repressor	EUC/POC	gnls.inv
10161338	10161338~NTP	are-bla_ch2	Activator	EUC/POC	hill
10161338	10161338~NTP	are-bla_ratio	Activator	EUC/POC	hill
10161338	10161338~NTP	are-bla_via	Inactive	EUC/POC	cnst
101688	101688~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
101688	101688~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
101688	101688~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
101688	101688~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
101702	101702~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
101702	101702~NTP	ap1-agonist_ch2	Activator	cca	hill
101702	101702~NTP	ap1-agonist_ratio	Activator	cca	hill
101702	101702~NTP	ap1-agonist_via	Inactive	cca	cnst
101724	101724~EPA	are-bla_ch1	Inactive	cca	cnst
101724	101724~EPA	are-bla_ch2	Activator	cca	hill
101724	101724~EPA	are-bla_ratio	Activator	cca	hill
101724	101724~EPA	are-bla_via	Inactive	cca	cnst
101724	101724~EPA	p53-bla_ch1	Repressor	cca	hill.inv
101724	101724~EPA	p53-bla_ch2	Activator	cca	hill
101724	101724~EPA	p53-bla_ratio	Activator	cca	hill
101724	101724~EPA	p53-bla_via	Inactive	cca	cnst
101724	101724~FDA	p53-bla_ch1	Repressor	cca	hill.inv
101724	101724~FDA	p53-bla_ch2	Activator	cca	hill
101724	101724~FDA	p53-bla_ratio	Activator	cca	hill
101724	101724~FDA	p53-bla_via	Inactive	cca	cnst
101724	101724~NTP	are-bla_ch1	Repressor	cca	hill.inv
101724	101724~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
101724	101724~NTP	are-bla_ratio	Activator	cca	hill
101724	101724~NTP	are-bla_via	Inactive	cca	cnst
101724	101724~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
101724	101724~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
101724	101724~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
101724	101724~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
101724	101724~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
101724	101724~NTP	p53-bla_ch2	Activator	EOC/PUC	hill
101724	101724~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
101724	101724~NTP	p53-bla_via	Inactive	EOC/PUC	cnst
101791	101791~NTP	are-bla_ch1	Repressor	cca	hill.inv
101791	101791~NTP	are-bla_ch2	Activator	cca	hill
101791	101791~NTP	are-bla_ratio	Activator	cca	hill
101791	101791~NTP	are-bla_via	Inactive	cca	cnst
101828211	101828211~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
101828211	101828211~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
101828211	101828211~FDA	ap1-agonist_ratio	Activator	rfp	hill
101828211	101828211~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
101831372	101831372~FDA	p53-bla_ch1	Repressor	cca	hill.inv
101831372	101831372~FDA	p53-bla_ch2	Activator	cca	hill
101831372	101831372~FDA	p53-bla_ratio	Activator	cca	hill
101831372	101831372~FDA	p53-bla_via	Repressor	cca	hill.inv
101859	101859~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
101859	101859~NTP	ap1-agonist_ch2	Activator	EOC/PUC	hill
101859	101859~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
101859	101859~NTP	ap1-agonist_via	Inactive	EOC/PUC	cnst
101906	101906~NTP	are-bla_ch1	Inactive	EUC	cnst
101906	101906~NTP	are-bla_ch2	Activator	EUC	hill
101906	101906~NTP	are-bla_ratio	Activator	EUC	hill
101906	101906~NTP	are-bla_via	Inactive	EUC	cnst
101906	101906~NTP	p53-bla_ch1	Repressor	cca	hill.inv
101906	101906~NTP	p53-bla_ch2	Activator	cca	gnls
101906	101906~NTP	p53-bla_ratio	Activator	cca	gnls
101906	101906~NTP	p53-bla_via	Inactive	cca	cnst
10190995	10190995~NTP	are-bla_ch1	Activator	cca	hill
10190995	10190995~NTP	are-bla_ch2	Activator	cca	gnls
10190995	10190995~NTP	are-bla_ratio	Activator	cca	gnls
10190995	10190995~NTP	are-bla_via	Repressor	cca	hill.inv
10190995	10190995~NTP	p53-bla_ch1	Repressor	cca	hill.inv
10190995	10190995~NTP	p53-bla_ch2	Activator	cca	gnls
10190995	10190995~NTP	p53-bla_ratio	Activator	cca	gnls
10190995	10190995~NTP	p53-bla_via	Inactive	cca	cnst
101962	101962~NTP	are-bla_ch1	Repressor	cca	hill.inv
101962	101962~NTP	are-bla_ch2	Activator	cca	gnls
101962	101962~NTP	are-bla_ratio	Activator	cca	gnls
101962	101962~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
101962	101962~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
101962	101962~NTP	esre-bla_ch2	Inactive	rfp	cnst
101962	101962~NTP	esre-bla_ratio	Activator	rfp	hill
101962	101962~NTP	esre-bla_via	Repressor	rfp	hill.inv
101962	101962~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
101962	101962~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
101962	101962~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
101962	101962~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
101962	101962~NTP	hse-bla_ch1	Repressor	cca	hill.inv
101962	101962~NTP	hse-bla_ch2	Activator	cca	gnls
101962	101962~NTP	hse-bla_ratio	Activator	cca	hill
101962	101962~NTP	hse-bla_via	Repressor	cca	hill.inv
101962	101962~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
101962	101962~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
101962	101962~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
101962	101962~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
101962	101962~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
101962	101962~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
101962	101962~NTP	p53-bla_ratio	Activator	rfp	hill
101962	101962~NTP	p53-bla_via	Repressor	rfp	hill.inv
102067	102067~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
102067	102067~EPA	ap1-agonist_ch2	Activator	cca	hill
102067	102067~EPA	ap1-agonist_ratio	Activator	cca	hill
102067	102067~EPA	ap1-agonist_via	Inactive	cca	cnst
102067	102067~EPA	are-bla_ch1	Repressor	cca	gnls.inv
102067	102067~EPA	are-bla_ch2	Activator	cca	gnls
102067	102067~EPA	are-bla_ratio	Activator	cca	gnls
102067	102067~EPA	are-bla_via	Activator	cca	hill
102067	102067~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
102067	102067~FDA	ap1-agonist_ch2	Activator	cca	hill
102067	102067~FDA	ap1-agonist_ratio	Activator	cca	hill
102067	102067~FDA	ap1-agonist_via	Inactive	cca	cnst
102067	102067~FDA	are-bla_ch1	Repressor	cca	gnls.inv
102067	102067~FDA	are-bla_ch2	Activator	cca	hill
102067	102067~FDA	are-bla_ratio	Activator	cca	gnls
102067	102067~FDA	are-bla_via	Activator	cca	hill
102067	102067~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
102067	102067~NTP	ap1-agonist_ch2	Activator	cca	hill
102067	102067~NTP	ap1-agonist_ratio	Activator	cca	hill
102067	102067~NTP	ap1-agonist_via	Inactive	cca	cnst
102067	102067~NTP	are-bla_ch1	Repressor	cca	gnls.inv
102067	102067~NTP	are-bla_ch2	Activator	cca	gnls
102067	102067~NTP	are-bla_ratio	Activator	cca	gnls
102067	102067~NTP	are-bla_via	Activator	cca	hill
102089	102089~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
102089	102089~NTP	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
102089	102089~NTP	ap1-agonist_ratio	Activator	cca	hill
102089	102089~NTP	ap1-agonist_via	Inactive	cca	cnst
102089	102089~NTP	are-bla_ch1	Inactive	cca	cnst
102089	102089~NTP	are-bla_ch2	Activator	cca	hill
102089	102089~NTP	are-bla_ratio	Activator	cca	hill
102089	102089~NTP	are-bla_via	Inactive	cca	cnst
102089	102089~NTP	hse-bla_ch1	Inactive	cca	cnst
102089	102089~NTP	hse-bla_ch2	Activator	cca	hill
102089	102089~NTP	hse-bla_ratio	Activator	cca	hill
102089	102089~NTP	hse-bla_via	Inactive	cca	cnst
102121608	102121608~EPA	are-bla_ch1	Inactive	EUC	cnst
102121608	102121608~EPA	are-bla_ch2	Activator	EUC	hill
102121608	102121608~EPA	are-bla_ratio	Activator	EUC	hill
102121608	102121608~EPA	are-bla_via	Inactive	EUC	cnst
102121608	102121608~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
102121608	102121608~EPA	hse-bla_ch2	Inactive	rfp	cnst
102121608	102121608~EPA	hse-bla_ratio	Activator	rfp	hill
102121608	102121608~EPA	hse-bla_via	Repressor	rfp	hill.inv
102121608	102121608~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
102121608	102121608~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
102121608	102121608~EPA	p53-bla_ratio	Activator	rfp	hill
102121608	102121608~EPA	p53-bla_via	Repressor	rfp	hill.inv
102363	102363~NTP	are-bla_ch1	Inactive	EUC	cnst
102363	102363~NTP	are-bla_ch2	Activator	EUC	hill
102363	102363~NTP	are-bla_ratio	Activator	EUC	hill
102363	102363~NTP	are-bla_via	Repressor	EUC	hill.inv
10238218	10238218~FDA	are-bla_ch1	Inactive	rfn	cnst
10238218	10238218~FDA	are-bla_ch2	Activator	rfn	hill
10238218	10238218~FDA	are-bla_ratio	Inactive	rfn	cnst
10238218	10238218~FDA	are-bla_via	Inactive	rfn	cnst
102409927	102409927~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
102409927	102409927~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
102409927	102409927~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
102409927	102409927~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
102409927	102409927~EPA	p53-bla_ch1	Repressor	cca	hill.inv
102409927	102409927~EPA	p53-bla_ch2	Activator	cca	gnls
102409927	102409927~EPA	p53-bla_ratio	Activator	cca	gnls
102409927	102409927~EPA	p53-bla_via	Inactive	cca	cnst
1024573	1024573~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1024573	1024573~EPA	ap1-agonist_ch2	Activator	cca	gnls
1024573	1024573~EPA	ap1-agonist_ratio	Activator	cca	gnls
1024573	1024573~EPA	ap1-agonist_via	Repressor	cca	hill.inv
10262698	10262698~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
10262698	10262698~FDA	ap1-agonist_ch2	Activator	cca	hill
10262698	10262698~FDA	ap1-agonist_ratio	Activator	cca	hill
10262698	10262698~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
102705	102705~EPA	are-bla_ch1	Inactive	cca	cnst
102705	102705~EPA	are-bla_ch2	Activator	cca	hill
102705	102705~EPA	are-bla_ratio	Activator	cca	hill
102705	102705~EPA	are-bla_via	Inactive	cca	cnst
102851069	102851069~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
102851069	102851069~EPA	esre-bla_ch2	Inactive	rfp	cnst
102851069	102851069~EPA	esre-bla_ratio	Activator	rfp	hill
102851069	102851069~EPA	esre-bla_via	Inactive	rfp	cnst
102851069	102851069~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
102851069	102851069~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
102851069	102851069~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
102851069	102851069~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
102851069	102851069~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
102851069	102851069~EPA	hse-bla_ch2	Inactive	rfp	cnst
102851069	102851069~EPA	hse-bla_ratio	Activator	rfp	hill
102851069	102851069~EPA	hse-bla_via	Inactive	rfp	cnst
102851069	102851069~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
102851069	102851069~EPA	p53-bla_ch2	Inactive	rfp	cnst
102851069	102851069~EPA	p53-bla_ratio	Activator	rfp	hill
102851069	102851069~EPA	p53-bla_via	Inactive	rfp	cnst
102965	102965~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
102965	102965~EPA	ap1-agonist_ch2	Activator	cca	gnls
102965	102965~EPA	ap1-agonist_ratio	Activator	cca	gnls
102965	102965~EPA	ap1-agonist_via	Repressor	cca	hill.inv
102965	102965~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
102965	102965~EPA	hse-bla_ch2	Activator	EOC	hill
102965	102965~EPA	hse-bla_ratio	Activator	EOC	hill
102965	102965~EPA	hse-bla_via	Complex	EOC	gnls.inv
102965	102965~EPA	p53-bla_ch1	Repressor	cca	gnls.inv
102965	102965~EPA	p53-bla_ch2	Activator	cca	gnls
102965	102965~EPA	p53-bla_ratio	Activator	cca	gnls
102965	102965~EPA	p53-bla_via	Repressor	cca	hill.inv
102987	102987~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
102987	102987~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
102987	102987~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
102987	102987~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
102992938	102992938~FDA	are-bla_ch1	Repressor	cca	hill.inv
102992938	102992938~FDA	are-bla_ch2	Activator	cca	gnls
102992938	102992938~FDA	are-bla_ratio	Activator	cca	gnls
102992938	102992938~FDA	are-bla_via	Repressor	cca	hill.inv
102992938	102992938~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
102992938	102992938~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
102992938	102992938~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
102992938	102992938~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
102992938	102992938~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
102992938	102992938~FDA	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
102992938	102992938~FDA	p53-bla_ratio	Activator	rfp	hill
102992938	102992938~FDA	p53-bla_via	Repressor	rfp	hill.inv
10310324	10310324~FDA	are-bla_ch1	Inactive	cca	cnst
10310324	10310324~FDA	are-bla_ch2	Activator	cca	hill
10310324	10310324~FDA	are-bla_ratio	Activator	cca	hill
10310324	10310324~FDA	are-bla_via	Inactive	cca	cnst
1031078	1031078~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1031078	1031078~EPA	ap1-agonist_ch2	Activator	cca	gnls
1031078	1031078~EPA	ap1-agonist_ratio	Activator	cca	hill
1031078	1031078~EPA	ap1-agonist_via	Inactive	cca	cnst
1031078	1031078~EPA	are-bla_ch1	Inactive	EUC	cnst
1031078	1031078~EPA	are-bla_ch2	Activator	EUC	hill
1031078	1031078~EPA	are-bla_ratio	Activator	EUC	hill
1031078	1031078~EPA	are-bla_via	Inactive	EUC	cnst
103112352	103112352~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
103112352	103112352~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
103112352	103112352~EPA	ap1-agonist_ratio	Activator	rfp	gnls
103112352	103112352~EPA	ap1-agonist_via	Inactive	rfp	cnst
103112352	103112352~EPA	are-bla_ch1	Repressor	cca	hill.inv
103112352	103112352~EPA	are-bla_ch2	Activator	cca	gnls
103112352	103112352~EPA	are-bla_ratio	Activator	cca	hill
103112352	103112352~EPA	are-bla_via	Repressor	cca	hill.inv
103112352	103112352~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
103112352	103112352~EPA	hse-bla_ch2	Inactive	rfp	cnst
103112352	103112352~EPA	hse-bla_ratio	Activator	rfp	hill
103112352	103112352~EPA	hse-bla_via	Repressor	rfp	hill.inv
10311849	10311849~EPA	are-bla_ch1	Repressor	cca	hill.inv
10311849	10311849~EPA	are-bla_ch2	Activator	cca	gnls
10311849	10311849~EPA	are-bla_ratio	Activator	cca	gnls
10311849	10311849~EPA	are-bla_via	Inactive	cca	cnst
103162	103162~FDA	p53-bla_ch1	Inactive	cca	cnst
103162	103162~FDA	p53-bla_ch2	Activator	cca	hill
103162	103162~FDA	p53-bla_ratio	Activator	cca	hill
103162	103162~FDA	p53-bla_via	Inactive	cca	cnst
103162	103162~NTP	are-bla_ch1	Repressor	cca	hill.inv
103162	103162~NTP	are-bla_ch2	Activator	cca	gnls
103162	103162~NTP	are-bla_ratio	Activator	cca	hill
103162	103162~NTP	are-bla_via	Inactive	cca	cnst
103162	103162~NTP	p53-bla_ch1	Inactive	cca	cnst
103162	103162~NTP	p53-bla_ch2	Activator	cca	hill
103162	103162~NTP	p53-bla_ratio	Activator	cca	hill
103162	103162~NTP	p53-bla_via	Inactive	cca	cnst
103177373	103177373~FDA	are-bla_ch1	Inactive	EUC	cnst
103177373	103177373~FDA	are-bla_ch2	Activator	EUC	hill
103177373	103177373~FDA	are-bla_ratio	Activator	EUC	hill
103177373	103177373~FDA	are-bla_via	Repressor	EUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
10319149	10319149~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
10319149	10319149~EPA	ap1-agonist_ch2	Activator	cca	gnls
10319149	10319149~EPA	ap1-agonist_ratio	Activator	cca	gnls
10319149	10319149~EPA	ap1-agonist_via	Inactive	cca	cnst
10319149	10319149~EPA	are-bla_ch1	Repressor	cca	hill.inv
10319149	10319149~EPA	are-bla_ch2	Activator	cca	hill
10319149	10319149~EPA	are-bla_ratio	Activator	cca	hill
10319149	10319149~EPA	are-bla_via	Inactive	cca	cnst
10325947	10325947~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
10325947	10325947~EPA	ap1-agonist_ch2	Activator	cca	gnls
10325947	10325947~EPA	ap1-agonist_ratio	Activator	cca	gnls
10325947	10325947~EPA	ap1-agonist_via	Inactive	cca	cnst
10325947	10325947~EPA	esre-bla_ch1	Repressor	cca	gnls.inv
10325947	10325947~EPA	esre-bla_ch2	Activator	cca	gnls
10325947	10325947~EPA	esre-bla_ratio	Activator	cca	gnls
10325947	10325947~EPA	esre-bla_via	Inactive	cca	cnst
10325947	10325947~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
10325947	10325947~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
10325947	10325947~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
10325947	10325947~EPA	hre-bla-agonist_via	Activator	EOC/PUC	gnls
10325947	10325947~EPA	hse-bla_ch1	Repressor	cca	hill.inv
10325947	10325947~EPA	hse-bla_ch2	Activator	cca	gnls
10325947	10325947~EPA	hse-bla_ratio	Activator	cca	gnls
10325947	10325947~EPA	hse-bla_via	Inactive	cca	cnst
10325947	10325947~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
10325947	10325947~EPA	p53-bla_ch2	Inactive	rfp	cnst
10325947	10325947~EPA	p53-bla_ratio	Activator	rfp	hill
10325947	10325947~EPA	p53-bla_via	Repressor	rfp	hill.inv
103300	103300~NTP	are-bla_ch1	Repressor	cca	hill.inv
103300	103300~NTP	are-bla_ch2	Activator	cca	hill
103300	103300~NTP	are-bla_ratio	Activator	cca	hill
103300	103300~NTP	are-bla_via	Inactive	cca	cnst
103344	103344~EPA	ap1-agonist_ch1	Inactive	cca	cnst
103344	103344~EPA	ap1-agonist_ch2	Activator	cca	hill
103344	103344~EPA	ap1-agonist_ratio	Activator	cca	hill
103344	103344~EPA	ap1-agonist_via	Inactive	cca	cnst
103344	103344~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
103344	103344~NTP	ap1-agonist_ch2	Activator	cca	hill
103344	103344~NTP	ap1-agonist_ratio	Activator	cca	hill
103344	103344~NTP	ap1-agonist_via	Inactive	cca	cnst
103361097	103361097~EPA	are-bla_ch1	Repressor	cca	hill.inv
103361097	103361097~EPA	are-bla_ch2	Activator	cca	hill
103361097	103361097~EPA	are-bla_ratio	Activator	cca	hill
103361097	103361097~EPA	are-bla_via	Inactive	cca	cnst
1034011	1034011~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1034011	1034011~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv



CAS	CASlib	endpoint	activity	call.type	win.mdl
1034011	1034011~EPA	ap1-agonist_ratio	Activator	rfp	hill
1034011	1034011~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1034011	1034011~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1034011	1034011~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1034011	1034011~EPA	esre-bla_ratio	Activator	rfp	hill
1034011	1034011~EPA	esre-bla_via	Inactive	rfp	cnst
1034011	1034011~EPA	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
1034011	1034011~EPA	hre-bla-agonist_ch2	Activator	EOC	gnls
1034011	1034011~EPA	hre-bla-agonist_ratio	Activator	EOC	hill
1034011	1034011~EPA	hre-bla-agonist_via	Repressor	EOC	hill.inv
1034011	1034011~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1034011	1034011~EPA	hse-bla_ch2	Inactive	rfp	cnst
1034011	1034011~EPA	hse-bla_ratio	Activator	rfp	hill
1034011	1034011~EPA	hse-bla_via	Inactive	rfp	cnst
1034011	1034011~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1034011	1034011~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1034011	1034011~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1034011	1034011~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1034011	1034011~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1034011	1034011~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
1034011	1034011~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
1034011	1034011~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
103413	103413~EPA	are-bla_ch1	Inactive	cca	cnst
103413	103413~EPA	are-bla_ch2	Activator	cca	hill
103413	103413~EPA	are-bla_ratio	Activator	cca	hill
103413	103413~EPA	are-bla_via	Inactive	cca	cnst
103413	103413~FDA	are-bla_ch1	Inactive	cca	cnst
103413	103413~FDA	are-bla_ch2	Activator	cca	hill
103413	103413~FDA	are-bla_ratio	Activator	cca	hill
103413	103413~FDA	are-bla_via	Inactive	cca	cnst
103420775	103420775~FDA	are-bla_ch1	Repressor	cca	hill.inv
103420775	103420775~FDA	are-bla_ch2	Activator	cca	gnls
103420775	103420775~FDA	are-bla_ratio	Activator	cca	hill
103420775	103420775~FDA	are-bla_via	Inactive	cca	cnst
103420775	103420775~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
103420775	103420775~FDA	p53-bla_ch2	Inactive	rfp	cnst
103420775	103420775~FDA	p53-bla_ratio	Activator	rfp	hill
103420775	103420775~FDA	p53-bla_via	Inactive	rfp	cnst
103475418	103475418~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
103475418	103475418~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
103475418	103475418~FDA	ap1-agonist_ratio	Activator	rfp	hill
103475418	103475418~FDA	ap1-agonist_via	Inactive	rfp	cnst
103475418	103475418~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
103475418	103475418~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
103475418	103475418~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
103475418	103475418~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
10347816	10347816~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
10347816	10347816~EPA	ap1-agonist_ch2	Activator	cca	hill
10347816	10347816~EPA	ap1-agonist_ratio	Activator	cca	hill
10347816	10347816~EPA	ap1-agonist_via	Inactive	cca	cnst
10347816	10347816~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
10347816	10347816~EPA	p53-bla_ch2	Inactive	rfp	cnst
10347816	10347816~EPA	p53-bla_ratio	Activator	rfp	hill
10347816	10347816~EPA	p53-bla_via	Repressor	rfp	hill.inv
103577453	103577453~EPA	are-bla_ch1	Inactive	EUC	cnst
103577453	103577453~EPA	are-bla_ch2	Activator	EUC	hill
103577453	103577453~EPA	are-bla_ratio	Activator	EUC	gnls
103577453	103577453~EPA	are-bla_via	Inactive	EUC	cnst
103577453	103577453~FDA	are-bla_ch1	Repressor	cca	hill.inv
103577453	103577453~FDA	are-bla_ch2	Activator	cca	hill
103577453	103577453~FDA	are-bla_ratio	Activator	cca	hill
103577453	103577453~FDA	are-bla_via	Inactive	cca	cnst
103764336	103764336~EPA	are-bla_ch1	Inactive	EUC	cnst
103764336	103764336~EPA	are-bla_ch2	Activator	EUC	hill
103764336	103764336~EPA	are-bla_ratio	Activator	EUC	hill
103764336	103764336~EPA	are-bla_via	Inactive	EUC	cnst
103764336	103764336~EPA	esre-bla_ch1	Inactive	EUC	cnst
103764336	103764336~EPA	esre-bla_ch2	Activator	EUC	hill
103764336	103764336~EPA	esre-bla_ratio	Activator	EUC	hill
103764336	103764336~EPA	esre-bla_via	Inactive	EUC	cnst
103764336	103764336~EPA	hre-bla-agonist_ch1	Inactive	cca	cnst
103764336	103764336~EPA	hre-bla-agonist_ch2	Activator	cca	hill
103764336	103764336~EPA	hre-bla-agonist_ratio	Activator	cca	hill
103764336	103764336~EPA	hre-bla-agonist_via	Inactive	cca	cnst
103764336	103764336~EPA	hse-bla_ch1	Inactive	EUC	cnst
103764336	103764336~EPA	hse-bla_ch2	Activator	EUC	hill
103764336	103764336~EPA	hse-bla_ratio	Activator	EUC	hill
103764336	103764336~EPA	hse-bla_via	Inactive	EUC	cnst
103764336	103764336~EPA	nfkb-bla-agonist_ch1	Inactive	EUC	cnst
103764336	103764336~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
103764336	103764336~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
103764336	103764336~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst
103764336	103764336~EPA	p53-bla_ch1	Inactive	EUC	cnst
103764336	103764336~EPA	p53-bla_ch2	Activator	EUC	hill
103764336	103764336~EPA	p53-bla_ratio	Activator	EUC	hill
103764336	103764336~EPA	p53-bla_via	Inactive	EUC	cnst
103822	103822~NTP	are-bla_ch1	Inactive	cca	cnst
103822	103822~NTP	are-bla_ch2	Activator	cca	hill
103822	103822~NTP	are-bla_ratio	Activator	cca	hill
103822	103822~NTP	are-bla_via	Inactive	cca	cnst
103890784	103890784~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
103890784	103890784~FDA	ap1-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
103890784	103890784~FDA	ap1-agonist_ratio	Activator	rfp	hill
103890784	103890784~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
103890784	103890784~FDA	are-bla_ch1	Activator	EUC	hill
103890784	103890784~FDA	are-bla_ch2	Activator	EUC	gnls
103890784	103890784~FDA	are-bla_ratio	Activator	EUC	gnls
103890784	103890784~FDA	are-bla_via	Repressor	EUC	hill.inv
103890784	103890784~FDA	esre-bla_ch1	Inactive	cca	cnst
103890784	103890784~FDA	esre-bla_ch2	Activator	cca	hill
103890784	103890784~FDA	esre-bla_ratio	Activator	cca	hill
103890784	103890784~FDA	esre-bla_via	Inactive	cca	cnst
103890784	103890784~FDA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
103890784	103890784~FDA	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
103890784	103890784~FDA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
103890784	103890784~FDA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
103890784	103890784~FDA	hse-bla_ch1	Repressor	cca	hill.inv
103890784	103890784~FDA	hse-bla_ch2	Activator	cca	hill
103890784	103890784~FDA	hse-bla_ratio	Activator	cca	hill
103890784	103890784~FDA	hse-bla_via	Repressor	cca	hill.inv
103890784	103890784~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
103890784	103890784~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
103890784	103890784~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
103890784	103890784~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
103890784	103890784~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
103890784	103890784~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
103890784	103890784~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
103890784	103890784~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
103909757	103909757~FDA	p53-bla_ch1	Inactive	cca	cnst
103909757	103909757~FDA	p53-bla_ch2	Activator	cca	hill
103909757	103909757~FDA	p53-bla_ratio	Activator	cca	hill
103909757	103909757~FDA	p53-bla_via	Inactive	cca	cnst
10402536	10402536~FDA	are-bla_ch1	Inactive	EUC	cnst
10402536	10402536~FDA	are-bla_ch2	Activator	EUC	hill
10402536	10402536~FDA	are-bla_ratio	Activator	EUC	hill
10402536	10402536~FDA	are-bla_via	Inactive	EUC	cnst
104054275	104054275~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
104054275	104054275~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
104054275	104054275~FDA	ap1-agonist_ratio	Activator	rfp	hill
104054275	104054275~FDA	ap1-agonist_via	Inactive	rfp	cnst
104054275	104054275~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
104054275	104054275~FDA	esre-bla_ch2	Inactive	rfp	cnst
104054275	104054275~FDA	esre-bla_ratio	Activator	rfp	hill
104054275	104054275~FDA	esre-bla_via	Inactive	rfp	cnst
104054275	104054275~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
104054275	104054275~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
104054275	104054275~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
104054275	104054275~FDA	hre-bla-agonist_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
104076393	104076393~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
104076393	104076393~FDA	ap1-agonist_ch2	Activator	cca	hill
104076393	104076393~FDA	ap1-agonist_ratio	Activator	cca	hill
104076393	104076393~FDA	ap1-agonist_via	Inactive	cca	cnst
104121	104121~EPA	are-bla_ch1	Inactive	EUC	cnst
104121	104121~EPA	are-bla_ch2	Activator	EUC	hill
104121	104121~EPA	are-bla_ratio	Activator	EUC	hill
104121	104121~EPA	are-bla_via	Inactive	EUC	cnst
10418038	10418038~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
10418038	10418038~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
10418038	10418038~FDA	ap1-agonist_ratio	Activator	rfp	hill
10418038	10418038~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
10418038	10418038~FDA	are-bla_ch1	Inactive	cca	cnst
10418038	10418038~FDA	are-bla_ch2	Activator	cca	hill
10418038	10418038~FDA	are-bla_ratio	Activator	cca	hill
10418038	10418038~FDA	are-bla_via	Inactive	cca	cnst
10420334	10420334~EPA	are-bla_ch1	Inactive	cca	cnst
10420334	10420334~EPA	are-bla_ch2	Activator	cca	hill
10420334	10420334~EPA	are-bla_ratio	Activator	cca	hill
10420334	10420334~EPA	are-bla_via	Inactive	cca	cnst
104314	104314~FDA	are-bla_ch1	Inactive	cca	cnst
104314	104314~FDA	are-bla_ch2	Activator	cca	hill
104314	104314~FDA	are-bla_ratio	Activator	cca	hill
104314	104314~FDA	are-bla_via	Inactive	cca	cnst
104325	104325~FDA	are-bla_ch1	Inactive	EUC	cnst
104325	104325~FDA	are-bla_ch2	Activator	EUC	gnls
104325	104325~FDA	are-bla_ratio	Activator	EUC	hill
104325	104325~FDA	are-bla_via	Inactive	EUC	cnst
104405	104405~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
104405	104405~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
104405	104405~EPA	ap1-agonist_ratio	Activator	rfp	hill
104405	104405~EPA	ap1-agonist_via	Inactive	rfp	cnst
104405	104405~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
104405	104405~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
104405	104405~NTP	ap1-agonist_ratio	Activator	rfp	hill
104405	104405~NTP	ap1-agonist_via	Inactive	rfp	cnst
104405	104405~NTP	are-bla_ch1	Repressor	EOC	hill.inv
104405	104405~NTP	are-bla_ch2	Activator	EOC	hill
104405	104405~NTP	are-bla_ratio	Activator	EOC	hill
104405	104405~NTP	are-bla_via	Inactive	EOC	cnst
104438	104438~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
104438	104438~EPA	ap1-agonist_ch2	Activator	EOC	gnls
104438	104438~EPA	ap1-agonist_ratio	Activator	EOC	hill
104438	104438~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
104438	104438~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
104438	104438~EPA	esre-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
104438	104438~EPA	esre-bla_ratio	Activator	rfp	hill
104438	104438~EPA	esre-bla_via	Repressor	rfp	hill.inv
104438	104438~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
104438	104438~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
104438	104438~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
104438	104438~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
104438	104438~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
104438	104438~EPA	hse-bla_ch2	Inactive	rfp	cnst
104438	104438~EPA	hse-bla_ratio	Activator	rfp	hill
104438	104438~EPA	hse-bla_via	Repressor	rfp	hill.inv
104438	104438~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
104438	104438~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
104438	104438~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
104438	104438~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
104438	104438~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
104438	104438~EPA	p53-bla_ch2	Inactive	rfp	cnst
104438	104438~EPA	p53-bla_ratio	Activator	rfp	hill
104438	104438~EPA	p53-bla_via	Repressor	rfp	hill.inv
10453868	10453868~EPA	are-bla_ch1	Inactive	cca	cnst
10453868	10453868~EPA	are-bla_ch2	Activator	cca	hill
10453868	10453868~EPA	are-bla_ratio	Activator	cca	hill
10453868	10453868~EPA	are-bla_via	Inactive	cca	cnst
10453868	10453868~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
10453868	10453868~EPA	hse-bla_ch2	Inactive	rfp	cnst
10453868	10453868~EPA	hse-bla_ratio	Activator	rfp	hill
10453868	10453868~EPA	hse-bla_via	Inactive	rfp	cnst
10453868	10453868~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
10453868	10453868~NTP	ap1-agonist_ch2	Activator	cca	hill
10453868	10453868~NTP	ap1-agonist_ratio	Activator	cca	hill
10453868	10453868~NTP	ap1-agonist_via	Inactive	cca	cnst
10453868	10453868~NTP	are-bla_ch1	Inactive	cca	cnst
10453868	10453868~NTP	are-bla_ch2	Activator	cca	hill
10453868	10453868~NTP	are-bla_ratio	Activator	cca	hill
10453868	10453868~NTP	are-bla_via	Inactive	cca	cnst
104653341	104653341~FDA	are-bla_ch1	Activator	cca	hill
104653341	104653341~FDA	are-bla_ch2	Activator	cca	gnls
104653341	104653341~FDA	are-bla_ratio	Activator	cca	gnls
104653341	104653341~FDA	are-bla_via	Inactive	cca	cnst
104653341	104653341~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
104653341	104653341~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
104653341	104653341~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
104653341	104653341~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
104653341	104653341~FDA	hse-bla_ch1	Repressor	cca	hill.inv
104653341	104653341~FDA	hse-bla_ch2	Activator	cca	hill
104653341	104653341~FDA	hse-bla_ratio	Activator	cca	hill
104653341	104653341~FDA	hse-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
10469097	10469097~EPA	are-bla_ch1	Repressor	cca	hill.inv
10469097	10469097~EPA	are-bla_ch2	Activator	cca	hill
10469097	10469097~EPA	are-bla_ratio	Activator	cca	hill
10469097	10469097~EPA	are-bla_via	Inactive	cca	cnst
105113	105113~NTP	are-bla_ch1	Repressor	cca	hill.inv
105113	105113~NTP	are-bla_ch2	Activator	cca	hill
105113	105113~NTP	are-bla_ratio	Activator	cca	hill
105113	105113~NTP	are-bla_via	Inactive	cca	cnst
10527169	10527169~NTP	ap1-agonist_ch1	Inactive	cca	cnst
10527169	10527169~NTP	ap1-agonist_ch2	Activator	cca	gnls
10527169	10527169~NTP	ap1-agonist_ratio	Activator	cca	gnls
10527169	10527169~NTP	ap1-agonist_via	Inactive	cca	cnst
10527169	10527169~NTP	are-bla_ch1	Inactive	EUC	cnst
10527169	10527169~NTP	are-bla_ch2	Activator	EUC	hill
10527169	10527169~NTP	are-bla_ratio	Activator	EUC	hill
10527169	10527169~NTP	are-bla_via	Inactive	EUC	cnst
10527169	10527169~NTP	esre-bla_ch1	Activator	cca	hill
10527169	10527169~NTP	esre-bla_ch2	Activator	cca	hill
10527169	10527169~NTP	esre-bla_ratio	Activator	cca	gnls
10527169	10527169~NTP	esre-bla_via	Inactive	cca	cnst
10527169	10527169~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
10527169	10527169~NTP	hre-bla-agonist_ch2	Activator	cca	hill
10527169	10527169~NTP	hre-bla-agonist_ratio	Activator	cca	hill
10527169	10527169~NTP	hre-bla-agonist_via	Inactive	cca	cnst
10527169	10527169~NTP	hse-bla_ch1	Inactive	cca	cnst
10527169	10527169~NTP	hse-bla_ch2	Activator	cca	hill
10527169	10527169~NTP	hse-bla_ratio	Activator	cca	hill
10527169	10527169~NTP	hse-bla_via	Inactive	cca	cnst
10539192	10539192~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
10539192	10539192~FDA	ap1-agonist_ch2	Activator	cca	hill
10539192	10539192~FDA	ap1-agonist_ratio	Activator	cca	hill
10539192	10539192~FDA	ap1-agonist_via	Inactive	cca	cnst
10540291	10540291~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
10540291	10540291~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
10540291	10540291~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
10540291	10540291~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
10540291	10540291~EPA	are-bla_ch1	Repressor	PUC	hill.inv
10540291	10540291~EPA	are-bla_ch2	Activator	PUC	gnls
10540291	10540291~EPA	are-bla_ratio	Activator	PUC	hill
10540291	10540291~EPA	are-bla_via	Repressor	PUC	hill.inv
10540291	10540291~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
10540291	10540291~EPA	esre-bla_ch2	Inactive	rfp	cnst
10540291	10540291~EPA	esre-bla_ratio	Activator	rfp	hill
10540291	10540291~EPA	esre-bla_via	Repressor	rfp	hill.inv
10540291	10540291~EPA	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
10540291	10540291~EPA	hre-bla-agonist_ch2	Activator	EOC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
10540291	10540291~EPA	hre-bla-agonist_ratio	Activator	EOC	hill
10540291	10540291~EPA	hre-bla-agonist_via	Repressor	EOC	hill.inv
10540291	10540291~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
10540291	10540291~EPA	hse-bla_ch2	Inactive	rfp	cnst
10540291	10540291~EPA	hse-bla_ratio	Activator	rfp	hill
10540291	10540291~EPA	hse-bla_via	Repressor	rfp	hill.inv
10540291	10540291~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
10540291	10540291~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
10540291	10540291~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
10540291	10540291~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
10540291	10540291~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
10540291	10540291~EPA	p53-bla_ch2	Inactive	rfp	cnst
10540291	10540291~EPA	p53-bla_ratio	Activator	rfp	hill
10540291	10540291~EPA	p53-bla_via	Repressor	rfp	hill.inv
10540291	10540291~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
10540291	10540291~NTP	ap1-agonist_ch2	Activator	cca	gnls
10540291	10540291~NTP	ap1-agonist_ratio	Activator	cca	hill
10540291	10540291~NTP	ap1-agonist_via	Complex	cca	gnls.inv
10540291	10540291~NTP	are-bla_ch1	Repressor	rfn	hill.inv
10540291	10540291~NTP	are-bla_ch2	Activator	rfn	gnls
10540291	10540291~NTP	are-bla_ratio	Inactive	rfn	hill.inv
10540291	10540291~NTP	are-bla_via	Repressor	rfn	hill.inv
10540291	10540291~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
10540291	10540291~NTP	esre-bla_ch2	Inactive	rfp	cnst
10540291	10540291~NTP	esre-bla_ratio	Activator	rfp	hill
10540291	10540291~NTP	esre-bla_via	Repressor	rfp	hill.inv
10540291	10540291~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
10540291	10540291~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
10540291	10540291~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
10540291	10540291~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
10540291	10540291~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
10540291	10540291~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
10540291	10540291~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
10540291	10540291~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
10540291	10540291~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
10540291	10540291~NTP	p53-bla_ch2	Inactive	rfp	cnst
10540291	10540291~NTP	p53-bla_ratio	Activator	rfp	hill
10540291	10540291~NTP	p53-bla_via	Repressor	rfp	hill.inv
1055556	1055556~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1055556	1055556~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
1055556	1055556~FDA	p53-bla_ratio	Activator	rfp	hill
1055556	1055556~FDA	p53-bla_via	Repressor	rfp	hill.inv
105624860	105624860~EPA	are-bla_ch1	Inactive	EUC	cnst
105624860	105624860~EPA	are-bla_ch2	Activator	EUC	gnls
105624860	105624860~EPA	are-bla_ratio	Activator	EUC	gnls
105624860	105624860~EPA	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
105624860	105624860~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
105624860	105624860~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
105624860	105624860~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
105624860	105624860~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
105624860	105624860~EPA	p53-bla_ch1	Repressor	cca	hill.inv
105624860	105624860~EPA	p53-bla_ch2	Activator	cca	gnls
105624860	105624860~EPA	p53-bla_ratio	Activator	cca	gnls
105624860	105624860~EPA	p53-bla_via	Repressor	cca	hill.inv
10563298	10563298~NTP	are-bla_ch1	Inactive	cca	cnst
10563298	10563298~NTP	are-bla_ch2	Activator	cca	hill
10563298	10563298~NTP	are-bla_ratio	Activator	cca	hill
10563298	10563298~NTP	are-bla_via	Inactive	cca	cnst
105760	105760~NTP	are-bla_ch1	Repressor	rfp	hill.inv
105760	105760~NTP	are-bla_ch2	Inactive	rfp	cnst
105760	105760~NTP	are-bla_ratio	Activator	rfp	hill
105760	105760~NTP	are-bla_via	Inactive	rfp	cnst
10592139	10592139~FDA	esre-bla_ch1	Activator	rfn	hill
10592139	10592139~FDA	esre-bla_ch2	Activator	rfn	hill
10592139	10592139~FDA	esre-bla_ratio	Inactive	rfn	cnst
10592139	10592139~FDA	esre-bla_via	Inactive	rfn	cnst
10595069	10595069~EPA	hse-bla_ch1	Inactive	cca	cnst
10595069	10595069~EPA	hse-bla_ch2	Activator	cca	hill
10595069	10595069~EPA	hse-bla_ratio	Activator	cca	hill
10595069	10595069~EPA	hse-bla_via	Inactive	cca	cnst
10605217	10605217~EPA	p53-bla_ch1	Repressor	cca	hill.inv
10605217	10605217~EPA	p53-bla_ch2	Activator	cca	gnls
10605217	10605217~EPA	p53-bla_ratio	Activator	cca	gnls
10605217	10605217~EPA	p53-bla_via	Inactive	cca	cnst
10605217	10605217~NTP	p53-bla_ch1	Repressor	cca	hill.inv
10605217	10605217~NTP	p53-bla_ch2	Activator	cca	hill
10605217	10605217~NTP	p53-bla_ratio	Activator	cca	hill
10605217	10605217~NTP	p53-bla_via	Inactive	cca	cnst
106149	106149~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
106149	106149~EPA	ap1-agonist_ch2	Activator	cca	hill
106149	106149~EPA	ap1-agonist_ratio	Activator	cca	hill
106149	106149~EPA	ap1-agonist_via	Inactive	cca	cnst
106149	106149~EPA	are-bla_ch1	Repressor	cca	hill.inv
106149	106149~EPA	are-bla_ch2	Activator	cca	hill
106149	106149~EPA	are-bla_ratio	Activator	cca	hill
106149	106149~EPA	are-bla_via	Repressor	cca	hill.inv
106149	106149~NTP	ap1-agonist_ch1	Repressor	POC	hill.inv
106149	106149~NTP	ap1-agonist_ch2	Activator	POC	hill
106149	106149~NTP	ap1-agonist_ratio	Activator	POC	hill
106149	106149~NTP	ap1-agonist_via	Inactive	POC	cnst
106149	106149~NTP	are-bla_ch1	Repressor	rfp	hill.inv
106149	106149~NTP	are-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
106149	106149~NTP	are-bla_ratio	Activator	rfp	hill
106149	106149~NTP	are-bla_via	Inactive	rfp	cnst
1061517621	1061517621~EPA	are-bla_ch1	Inactive	EUC	cnst
1061517621	1061517621~EPA	are-bla_ch2	Activator	EUC	hill
1061517621	1061517621~EPA	are-bla_ratio	Activator	EUC	hill
1061517621	1061517621~EPA	are-bla_via	Inactive	EUC	cnst
1061517621	1061517621~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1061517621	1061517621~EPA	p53-bla_ch2	Inactive	rfp	cnst
1061517621	1061517621~EPA	p53-bla_ratio	Activator	rfp	hill
1061517621	1061517621~EPA	p53-bla_via	Repressor	rfp	hill.inv
1062243519	1062243519~EPA	are-bla_ch1	Repressor	EUC	hill.inv
1062243519	1062243519~EPA	are-bla_ch2	Activator	EUC	gnls
1062243519	1062243519~EPA	are-bla_ratio	Activator	EUC	gnls
1062243519	1062243519~EPA	are-bla_via	Repressor	EUC	hill.inv
1062243519	1062243519~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
1062243519	1062243519~EPA	p53-bla_ch2	Activator	PUC	gnls
1062243519	1062243519~EPA	p53-bla_ratio	Activator	PUC	hill
1062243519	1062243519~EPA	p53-bla_via	Repressor	PUC	hill.inv
106266062	106266062~FDA	are-bla_ch1	Inactive	cca	cnst
106266062	106266062~FDA	are-bla_ch2	Activator	cca	hill
106266062	106266062~FDA	are-bla_ratio	Activator	cca	hill
106266062	106266062~FDA	are-bla_via	Inactive	cca	cnst
106401	106401~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
106401	106401~NTP	ap1-agonist_ch2	Activator	cca	hill
106401	106401~NTP	ap1-agonist_ratio	Activator	cca	hill
106401	106401~NTP	ap1-agonist_via	Inactive	cca	cnst
106503	106503~EPA	are-bla_ch1	Repressor	cca	gnls.inv
106503	106503~EPA	are-bla_ch2	Activator	cca	gnls
106503	106503~EPA	are-bla_ratio	Activator	cca	gnls
106503	106503~EPA	are-bla_via	Inactive	cca	cnst
106503	106503~FDA	are-bla_ch1	Repressor	cca	hill.inv
106503	106503~FDA	are-bla_ch2	Activator	cca	hill
106503	106503~FDA	are-bla_ratio	Activator	cca	hill
106503	106503~FDA	are-bla_via	Inactive	cca	cnst
106503	106503~NTP	are-bla_ch1	Repressor	cca	gnls.inv
106503	106503~NTP	are-bla_ch2	Activator	cca	gnls
106503	106503~NTP	are-bla_ratio	Activator	cca	gnls
106503	106503~NTP	are-bla_via	Inactive	cca	cnst
106514	106514~EPA	are-bla_ch1	Inactive	PUC	cnst
106514	106514~EPA	are-bla_ch2	Activator	PUC	hill
106514	106514~EPA	are-bla_ratio	Activator	PUC	hill
106514	106514~EPA	are-bla_via	Inactive	PUC	cnst
106514	106514~NTP	are-bla_ch1	Inactive	cca	cnst
106514	106514~NTP	are-bla_ch2	Activator	cca	hill
106514	106514~NTP	are-bla_ratio	Activator	cca	hill
106514	106514~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
106516249	106516249~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
106516249	106516249~FDA	ap1-agonist_ch2	Activator	EOC	gnls
106516249	106516249~FDA	ap1-agonist_ratio	Activator	EOC	hill
106516249	106516249~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
106516249	106516249~FDA	are-bla_ch1	Repressor	cca	hill.inv
106516249	106516249~FDA	are-bla_ch2	Activator	cca	gnls
106516249	106516249~FDA	are-bla_ratio	Activator	cca	gnls
106516249	106516249~FDA	are-bla_via	Repressor	cca	hill.inv
106516249	106516249~FDA	nfkbl-agonist_ch1	Repressor	rfp	hill.inv
106516249	106516249~FDA	nfkbl-agonist_ch2	Inactive	rfp	cnst
106516249	106516249~FDA	nfkbl-agonist_ratio	Activator	rfp	hill
106516249	106516249~FDA	nfkbl-agonist_via	Inactive	rfp	cnst
106581	106581~NTP	ap1-agonist_ch1	Inactive	cca	cnst
106581	106581~NTP	ap1-agonist_ch2	Activator	cca	hill
106581	106581~NTP	ap1-agonist_ratio	Activator	cca	hill
106581	106581~NTP	ap1-agonist_via	Inactive	cca	cnst
1066304	1066304~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1066304	1066304~NTP	ap1-agonist_ch2	Activator	cca	hill
1066304	1066304~NTP	ap1-agonist_ratio	Activator	cca	hill
1066304	1066304~NTP	ap1-agonist_via	Inactive	cca	cnst
106685409	106685409~FDA	are-bla_ch1	Repressor	cca	hill.inv
106685409	106685409~FDA	are-bla_ch2	Activator	cca	gnls
106685409	106685409~FDA	are-bla_ratio	Activator	cca	hill
106685409	106685409~FDA	are-bla_via	Repressor	cca	hill.inv
106685409	106685409~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
106685409	106685409~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
106685409	106685409~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
106685409	106685409~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
106685409	106685409~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
106685409	106685409~FDA	hse-bla_ch2	Inactive	rfp	cnst
106685409	106685409~FDA	hse-bla_ratio	Activator	rfp	hill
106685409	106685409~FDA	hse-bla_via	Repressor	rfp	hill.inv
106685409	106685409~FDA	p53-bla_ch1	Repressor	cca	hill.inv
106685409	106685409~FDA	p53-bla_ch2	Activator	cca	gnls
106685409	106685409~FDA	p53-bla_ratio	Activator	cca	gnls
106685409	106685409~FDA	p53-bla_via	Repressor	cca	hill.inv
106718	106718~EPA	are-bla_ch1	Inactive	cca	cnst
106718	106718~EPA	are-bla_ch2	Activator	cca	hill
106718	106718~EPA	are-bla_ratio	Activator	cca	hill
106718	106718~EPA	are-bla_via	Inactive	cca	cnst
106718	106718~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
106718	106718~EPA	hse-bla_ch2	Inactive	rfp	cnst
106718	106718~EPA	hse-bla_ratio	Activator	rfp	hill
106718	106718~EPA	hse-bla_via	Inactive	rfp	cnst
1067330	1067330~NTP	are-bla_ch1	Repressor	EUC	hill.inv
1067330	1067330~NTP	are-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
1067330	1067330~NTP	are-bla_ratio	Activator	EUC	gnls
1067330	1067330~NTP	are-bla_via	Repressor	EUC	hill.inv
1067330	1067330~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1067330	1067330~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1067330	1067330~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1067330	1067330~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1067330	1067330~NTP	hse-bla_ch1	Repressor	EUC	hill.inv
1067330	1067330~NTP	hse-bla_ch2	Activator	EUC	gnls
1067330	1067330~NTP	hse-bla_ratio	Activator	EUC	gnls
1067330	1067330~NTP	hse-bla_via	Repressor	EUC	hill.inv
1067330	1067330~NTP	p53-bla_ch1	Repressor	cca	gnls.inv
1067330	1067330~NTP	p53-bla_ch2	Activator	cca	gnls
1067330	1067330~NTP	p53-bla_ratio	Activator	cca	gnls
1067330	1067330~NTP	p53-bla_via	Inactive	cca	cnst
107028	107028~NTP	are-bla_ch1	Inactive	cca	cnst
107028	107028~NTP	are-bla_ch2	Activator	cca	hill
107028	107028~NTP	are-bla_ratio	Activator	cca	hill
107028	107028~NTP	are-bla_via	Inactive	cca	cnst
1070708	1070708~EPA	are-bla_ch1	Repressor	EUC/POC	hill.inv
1070708	1070708~EPA	are-bla_ch2	Activator	EUC/POC	hill
1070708	1070708~EPA	are-bla_ratio	Activator	EUC/POC	hill
1070708	1070708~EPA	are-bla_via	Inactive	EUC/POC	cnst
1070708	1070708~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1070708	1070708~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1070708	1070708~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1070708	1070708~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1070708	1070708~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1070708	1070708~EPA	hse-bla_ch2	Inactive	rfp	cnst
1070708	1070708~EPA	hse-bla_ratio	Activator	rfp	hill
1070708	1070708~EPA	hse-bla_via	Repressor	rfp	hill.inv
107071669	107071669~EPA	are-bla_ch1	Repressor	cca	hill.inv
107071669	107071669~EPA	are-bla_ch2	Activator	cca	gnls
107071669	107071669~EPA	are-bla_ratio	Activator	cca	gnls
107071669	107071669~EPA	are-bla_via	Repressor	cca	hill.inv
107071669	107071669~EPA	esre-bla_ch1	Repressor	PUC	hill.inv
107071669	107071669~EPA	esre-bla_ch2	Activator	PUC	hill
107071669	107071669~EPA	esre-bla_ratio	Activator	PUC	hill
107071669	107071669~EPA	esre-bla_via	Inactive	PUC	cnst
107071669	107071669~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
107071669	107071669~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
107071669	107071669~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
107071669	107071669~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
107071669	107071669~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
107071669	107071669~EPA	hse-bla_ch2	Activator	EOC	hill
107071669	107071669~EPA	hse-bla_ratio	Activator	EOC	hill
107071669	107071669~EPA	hse-bla_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
107071669	107071669~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
107071669	107071669~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
107071669	107071669~EPA	p53-bla_ratio	Activator	rfp	hill
107071669	107071669~EPA	p53-bla_via	Repressor	rfp	hill.inv
1072679	1072679~NTP	are-bla_ch1	Inactive	cca	cnst
1072679	1072679~NTP	are-bla_ch2	Activator	cca	hill
1072679	1072679~NTP	are-bla_ratio	Activator	cca	hill
1072679	1072679~NTP	are-bla_via	Inactive	cca	cnst
107357	107357~NTP	are-bla_ch1	Repressor	cca	hill.inv
107357	107357~NTP	are-bla_ch2	Activator	cca	hill
107357	107357~NTP	are-bla_ratio	Activator	cca	hill
107357	107357~NTP	are-bla_via	Inactive	cca	cnst
1074120	1074120~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1074120	1074120~NTP	ap1-agonist_ch2	Activator	cca	hill
1074120	1074120~NTP	ap1-agonist_ratio	Activator	cca	gnls
1074120	1074120~NTP	ap1-agonist_via	Inactive	cca	cnst
107534963	107534963~EPA	are-bla_ch1	Inactive	cca	cnst
107534963	107534963~EPA	are-bla_ch2	Activator	cca	hill
107534963	107534963~EPA	are-bla_ratio	Activator	cca	hill
107534963	107534963~EPA	are-bla_via	Inactive	cca	cnst
1077287	1077287~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1077287	1077287~EPA	ap1-agonist_ch2	Activator	cca	hill
1077287	1077287~EPA	ap1-agonist_ratio	Activator	cca	hill
1077287	1077287~EPA	ap1-agonist_via	Inactive	cca	cnst
1077287	1077287~NTP	ap1-agonist_ch1	Inactive	cca	cnst
1077287	1077287~NTP	ap1-agonist_ch2	Activator	cca	hill
1077287	1077287~NTP	ap1-agonist_ratio	Activator	cca	hill
1077287	1077287~NTP	ap1-agonist_via	Inactive	cca	cnst
107753786	107753786~FDA	are-bla_ch1	Inactive	EUC	cnst
107753786	107753786~FDA	are-bla_ch2	Activator	EUC	hill
107753786	107753786~FDA	are-bla_ratio	Activator	EUC	hill
107753786	107753786~FDA	are-bla_via	Inactive	EUC	cnst
107753786	107753786~FDA	p53-bla_ch1	Repressor	rfp	gnls.inv
107753786	107753786~FDA	p53-bla_ch2	Inactive	rfp	cnst
107753786	107753786~FDA	p53-bla_ratio	Activator	rfp	gnls
107753786	107753786~FDA	p53-bla_via	Repressor	rfp	hill.inv
107868304	107868304~FDA	are-bla_ch1	Repressor	EUC	hill.inv
107868304	107868304~FDA	are-bla_ch2	Activator	EUC	hill
107868304	107868304~FDA	are-bla_ratio	Activator	EUC	hill
107868304	107868304~FDA	are-bla_via	Inactive	EUC	cnst
107880	107880~EPA	are-bla_ch1	Inactive	cca	cnst
107880	107880~EPA	are-bla_ch2	Activator	cca	hill
107880	107880~EPA	are-bla_ratio	Activator	cca	hill
107880	107880~EPA	are-bla_via	Inactive	cca	cnst
108112	108112~EPA	are-bla_ch1	Inactive	cca	cnst
108112	108112~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
108112	108112~EPA	are-bla_ratio	Activator	cca	hill
108112	108112~EPA	are-bla_via	Inactive	cca	cnst
1081341	1081341~EPA	are-bla_ch1	Repressor	EUC/POC	gnls.inv
1081341	1081341~EPA	are-bla_ch2	Activator	EUC/POC	hill
1081341	1081341~EPA	are-bla_ratio	Activator	EUC/POC	gnls
1081341	1081341~EPA	are-bla_via	Inactive	EUC/POC	cnst
1081341	1081341~EPA	esre-bla_ch1	Inactive	EUC	cnst
1081341	1081341~EPA	esre-bla_ch2	Activator	EUC	hill
1081341	1081341~EPA	esre-bla_ratio	Activator	EUC	hill
1081341	1081341~EPA	esre-bla_via	Inactive	EUC	cnst
1081341	1081341~EPA	hre-bla-agonist_ch1	Inactive	cca	cnst
1081341	1081341~EPA	hre-bla-agonist_ch2	Activator	cca	hill
1081341	1081341~EPA	hre-bla-agonist_ratio	Activator	cca	hill
1081341	1081341~EPA	hre-bla-agonist_via	Inactive	cca	cnst
1081341	1081341~EPA	hse-bla_ch1	Inactive	cca	cnst
1081341	1081341~EPA	hse-bla_ch2	Activator	cca	hill
1081341	1081341~EPA	hse-bla_ratio	Activator	cca	hill
1081341	1081341~EPA	hse-bla_via	Inactive	cca	cnst
1081341	1081341~EPA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
1081341	1081341~EPA	nfkb-bla-agonist_ch2	Activator	cca	hill
1081341	1081341~EPA	nfkb-bla-agonist_ratio	Activator	cca	hill
1081341	1081341~EPA	nfkb-bla-agonist_via	Inactive	cca	cnst
1081341	1081341~EPA	p53-bla_ch1	Inactive	cca	cnst
1081341	1081341~EPA	p53-bla_ch2	Activator	cca	hill
1081341	1081341~EPA	p53-bla_ratio	Activator	cca	hill
1081341	1081341~EPA	p53-bla_via	Inactive	cca	cnst
108203709	108203709~NTP	are-bla_ch1	Inactive	cca	cnst
108203709	108203709~NTP	are-bla_ch2	Activator	cca	hill
108203709	108203709~NTP	are-bla_ratio	Activator	cca	hill
108203709	108203709~NTP	are-bla_via	Inactive	cca	cnst
1083278	1083278~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1083278	1083278~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
1083278	1083278~EPA	ap1-agonist_ratio	Activator	rfp	hill
1083278	1083278~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1083278	1083278~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1083278	1083278~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
1083278	1083278~NTP	ap1-agonist_ratio	Activator	rfp	hill
1083278	1083278~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
1083278	1083278~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1083278	1083278~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1083278	1083278~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1083278	1083278~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
1083278	1083278~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
1083278	1083278~NTP	hse-bla_ch2	Inactive	rfp	cnst
1083278	1083278~NTP	hse-bla_ratio	Activator	rfp	hill
1083278	1083278~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1083278	1083278~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
1083278	1083278~NTP	p53-bla_ch2	Inactive	rfp	cnst
1083278	1083278~NTP	p53-bla_ratio	Activator	rfp	hill
1083278	1083278~NTP	p53-bla_via	Inactive	rfp	cnst
108452	108452~NTP	ap1-agonist_ch1	Inactive	cca	cnst
108452	108452~NTP	ap1-agonist_ch2	Activator	cca	hill
108452	108452~NTP	ap1-agonist_ratio	Activator	cca	hill
108452	108452~NTP	ap1-agonist_via	Inactive	cca	cnst
1085127	1085127~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
1085127	1085127~EPA	ap1-agonist_ch2	Activator	EOC	gnls
1085127	1085127~EPA	ap1-agonist_ratio	Activator	EOC	hill
1085127	1085127~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
1085127	1085127~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1085127	1085127~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1085127	1085127~EPA	esre-bla_ratio	Activator	rfp	hill
1085127	1085127~EPA	esre-bla_via	Repressor	rfp	hill.inv
1085127	1085127~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1085127	1085127~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1085127	1085127~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1085127	1085127~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1085127	1085127~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1085127	1085127~EPA	p53-bla_ch2	Inactive	rfp	cnst
1085127	1085127~EPA	p53-bla_ratio	Activator	rfp	hill
1085127	1085127~EPA	p53-bla_via	Inactive	rfp	cnst
1085127	1085127~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1085127	1085127~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
1085127	1085127~NTP	ap1-agonist_ratio	Activator	rfp	hill
1085127	1085127~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
1085127	1085127~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
1085127	1085127~NTP	esre-bla_ch2	Inactive	rfp	cnst
1085127	1085127~NTP	esre-bla_ratio	Activator	rfp	hill
1085127	1085127~NTP	esre-bla_via	Repressor	rfp	hill.inv
1085127	1085127~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1085127	1085127~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1085127	1085127~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1085127	1085127~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1085127	1085127~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1085127	1085127~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1085127	1085127~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1085127	1085127~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
108554	108554~EPA	are-bla_ch1	Inactive	cca	cnst
108554	108554~EPA	are-bla_ch2	Activator	cca	hill
108554	108554~EPA	are-bla_ratio	Activator	cca	hill
108554	108554~EPA	are-bla_via	Inactive	cca	cnst
1085989	1085989~EPA	ap1-agonist_ch1	Repressor	rfn	gnls.inv
1085989	1085989~EPA	ap1-agonist_ch2	Activator	rfn	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
1085989	1085989~EPA	ap1-agonist_ratio	Inactive	rfn	cnst
1085989	1085989~EPA	ap1-agonist_via	Repressor	rfn	hill.inv
1085989	1085989~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1085989	1085989~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1085989	1085989~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1085989	1085989~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1085989	1085989~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1085989	1085989~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
1085989	1085989~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
1085989	1085989~EPA	hse-bla_via	Inactive	EOC/PUC	cnst
1085989	1085989~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1085989	1085989~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
1085989	1085989~EPA	p53-bla_ratio	Activator	rfp	hill
1085989	1085989~EPA	p53-bla_via	Inactive	rfp	cnst
108852900	108852900~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
108852900	108852900~FDA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
108852900	108852900~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
108852900	108852900~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
108985	108985~EPA	ap1-agonist_ch1	Inactive	cca	cnst
108985	108985~EPA	ap1-agonist_ch2	Activator	cca	hill
108985	108985~EPA	ap1-agonist_ratio	Activator	cca	hill
108985	108985~EPA	ap1-agonist_via	Inactive	cca	cnst
108985	108985~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
108985	108985~NTP	ap1-agonist_ch2	Activator	cca	hill
108985	108985~NTP	ap1-agonist_ratio	Activator	cca	hill
108985	108985~NTP	ap1-agonist_via	Inactive	cca	cnst
108985	108985~NTP	hse-bla_ch1	Inactive	cca	cnst
108985	108985~NTP	hse-bla_ch2	Activator	cca	hill
108985	108985~NTP	hse-bla_ratio	Activator	cca	hill
108985	108985~NTP	hse-bla_via	Inactive	cca	cnst
109160	109160~NTP	are-bla_ch1	Inactive	cca	cnst
109160	109160~NTP	are-bla_ch2	Activator	cca	hill
109160	109160~NTP	are-bla_ratio	Activator	cca	hill
109160	109160~NTP	are-bla_via	Inactive	cca	cnst
109171	109171~EPA	are-bla_ch1	Inactive	cca	cnst
109171	109171~EPA	are-bla_ch2	Activator	cca	hill
109171	109171~EPA	are-bla_ratio	Activator	cca	hill
109171	109171~EPA	are-bla_via	Inactive	cca	cnst
1092351671	1092351671~FDA	are-bla_ch1	Inactive	cca	cnst
1092351671	1092351671~FDA	are-bla_ch2	Activator	cca	hill
1092351671	1092351671~FDA	are-bla_ratio	Activator	cca	gnls
1092351671	1092351671~FDA	are-bla_via	Inactive	cca	cnst
1094082	1094082~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1094082	1094082~FDA	ap1-agonist_ch2	Activator	cca	hill
1094082	1094082~FDA	ap1-agonist_ratio	Activator	cca	hill
1094082	1094082~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
109466	109466~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
109466	109466~EPA	ap1-agonist_ch2	Activator	cca	hill
109466	109466~EPA	ap1-agonist_ratio	Activator	cca	hill
109466	109466~EPA	ap1-agonist_via	Inactive	cca	cnst
109466	109466~EPA	hse-bla_ch1	Inactive	EUC	cnst
109466	109466~EPA	hse-bla_ch2	Activator	EUC	gnls
109466	109466~EPA	hse-bla_ratio	Activator	EUC	hill
109466	109466~EPA	hse-bla_via	Inactive	EUC	cnst
109524	109524~NTP	are-bla_ch1	Inactive	PUC	cnst
109524	109524~NTP	are-bla_ch2	Activator	PUC	hill
109524	109524~NTP	are-bla_ratio	Activator	PUC	hill
109524	109524~NTP	are-bla_via	Inactive	PUC	cnst
1095905	1095905~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1095905	1095905~FDA	ap1-agonist_ch2	Activator	cca	hill
1095905	1095905~FDA	ap1-agonist_ratio	Activator	cca	hill
1095905	1095905~FDA	ap1-agonist_via	Inactive	cca	cnst
109773	109773~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
109773	109773~EPA	ap1-agonist_ch2	Activator	cca	hill
109773	109773~EPA	ap1-agonist_ratio	Activator	cca	hill
109773	109773~EPA	ap1-agonist_via	Inactive	cca	cnst
109773	109773~EPA	hse-bla_ch1	Repressor	cca	hill.inv
109773	109773~EPA	hse-bla_ch2	Activator	cca	hill
109773	109773~EPA	hse-bla_ratio	Activator	cca	hill
109773	109773~EPA	hse-bla_via	Inactive	cca	cnst
109826268	109826268~FDA	are-bla_ch1	Inactive	EUC	cnst
109826268	109826268~FDA	are-bla_ch2	Activator	EUC	gnls
109826268	109826268~FDA	are-bla_ratio	Activator	EUC	gnls
109826268	109826268~FDA	are-bla_via	Repressor	EUC	hill.inv
1098608	1098608~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
1098608	1098608~FDA	ap1-agonist_ch2	Activator	EOC	hill
1098608	1098608~FDA	ap1-agonist_ratio	Activator	EOC	hill
1098608	1098608~FDA	ap1-agonist_via	Inactive	EOC	cnst
1098608	1098608~FDA	p53-bla_ch1	Repressor	cca	hill.inv
1098608	1098608~FDA	p53-bla_ch2	Activator	cca	gnls
1098608	1098608~FDA	p53-bla_ratio	Activator	cca	gnls
1098608	1098608~FDA	p53-bla_via	Repressor	cca	hill.inv
1100885	1100885~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
1100885	1100885~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
1100885	1100885~NTP	hre-bla-agonist_ratio	Activator	cca	gnls
1100885	1100885~NTP	hre-bla-agonist_via	Inactive	cca	cnst
110178	110178~EPA	are-bla_ch1	Inactive	EUC	cnst
110178	110178~EPA	are-bla_ch2	Activator	EUC	hill
110178	110178~EPA	are-bla_ratio	Activator	EUC	hill
110178	110178~EPA	are-bla_via	Inactive	EUC	cnst
110235477	110235477~EPA	are-bla_ch1	Repressor	cca	hill.inv
110235477	110235477~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
110235477	110235477~EPA	are-bla_ratio	Activator	cca	hill
110235477	110235477~EPA	are-bla_via	Inactive	cca	cnst
11024241	11024241~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
11024241	11024241~NTP	ap1-agonist_ch2	Activator	EOC	gnls
11024241	11024241~NTP	ap1-agonist_ratio	Activator	EOC	gnls
11024241	11024241~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
11024241	11024241~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
11024241	11024241~NTP	are-bla_ch2	Activator	EOC/PUC	gnls
11024241	11024241~NTP	are-bla_ratio	Activator	EOC/PUC	gnls
11024241	11024241~NTP	are-bla_via	Repressor	EOC/PUC	hill.inv
11024241	11024241~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
11024241	11024241~NTP	esre-bla_ch2	Inactive	rfp	gnls.inv
11024241	11024241~NTP	esre-bla_ratio	Activator	rfp	hill
11024241	11024241~NTP	esre-bla_via	Repressor	rfp	hill.inv
11024241	11024241~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
11024241	11024241~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
11024241	11024241~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
11024241	11024241~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
11024241	11024241~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
11024241	11024241~NTP	hse-bla_ch2	Inactive	rfp	cnst
11024241	11024241~NTP	hse-bla_ratio	Activator	rfp	hill
11024241	11024241~NTP	hse-bla_via	Repressor	rfp	hill.inv
11024241	11024241~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
11024241	11024241~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
11024241	11024241~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
11024241	11024241~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
11024241	11024241~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
11024241	11024241~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
11024241	11024241~NTP	p53-bla_ratio	Activator	rfp	hill
11024241	11024241~NTP	p53-bla_via	Repressor	rfp	hill.inv
110258	110258~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
110258	110258~EPA	ap1-agonist_ch2	Activator	cca	gnls
110258	110258~EPA	ap1-agonist_ratio	Activator	cca	gnls
110258	110258~EPA	ap1-agonist_via	Repressor	cca	hill.inv
110258	110258~EPA	are-bla_ch1	Repressor	rfp	hill.inv
110258	110258~EPA	are-bla_ch2	Inactive	rfp	hill.inv
110258	110258~EPA	are-bla_ratio	Activator	rfp	gnls
110258	110258~EPA	are-bla_via	Repressor	rfp	hill.inv
110258	110258~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
110258	110258~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
110258	110258~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
110258	110258~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
110258	110258~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
110258	110258~EPA	hse-bla_ch2	Inactive	rfp	cnst
110258	110258~EPA	hse-bla_ratio	Activator	rfp	hill
110258	110258~EPA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
110258	110258~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
110258	110258~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
110258	110258~EPA	p53-bla_ratio	Activator	rfp	hill
110258	110258~EPA	p53-bla_via	Repressor	rfp	hill.inv
110269	110269~EPA	are-bla_ch1	Repressor	cca	hill.inv
110269	110269~EPA	are-bla_ch2	Activator	cca	hill
110269	110269~EPA	are-bla_ratio	Activator	cca	hill
110269	110269~EPA	are-bla_via	Inactive	cca	cnst
110269	110269~FDA	are-bla_ch1	Repressor	cca	hill.inv
110269	110269~FDA	are-bla_ch2	Activator	cca	hill
110269	110269~FDA	are-bla_ratio	Activator	cca	hill
110269	110269~FDA	are-bla_via	Inactive	cca	cnst
110269	110269~NTP	are-bla_ch1	Repressor	cca	hill.inv
110269	110269~NTP	are-bla_ch2	Activator	cca	hill
110269	110269~NTP	are-bla_ratio	Activator	cca	hill
110269	110269~NTP	are-bla_via	Inactive	cca	cnst
110418	110418~EPA	are-bla_ch1	Inactive	cca	cnst
110418	110418~EPA	are-bla_ch2	Activator	cca	hill
110418	110418~EPA	are-bla_ratio	Activator	cca	hill
110418	110418~EPA	are-bla_via	Inactive	cca	cnst
1104229	1104229~FDA	are-bla_ch1	Inactive	EUC	cnst
1104229	1104229~FDA	are-bla_ch2	Activator	EUC	hill
1104229	1104229~FDA	are-bla_ratio	Activator	EUC	hill
1104229	1104229~FDA	are-bla_via	Inactive	EUC	cnst
110430	110430~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
110430	110430~EPA	esre-bla_ch2	Inactive	rfp	cnst
110430	110430~EPA	esre-bla_ratio	Activator	rfp	hill
110430	110430~EPA	esre-bla_via	Inactive	rfp	cnst
110430	110430~EPA	hse-bla_ch1	Repressor	cca	hill.inv
110430	110430~EPA	hse-bla_ch2	Activator	cca	hill
110430	110430~EPA	hse-bla_ratio	Activator	cca	hill
110430	110430~EPA	hse-bla_via	Inactive	cca	cnst
110441	110441~EPA	are-bla_ch1	Inactive	PUC	cnst
110441	110441~EPA	are-bla_ch2	Activator	PUC	hill
110441	110441~EPA	are-bla_ratio	Activator	PUC	gnls
110441	110441~EPA	are-bla_via	Inactive	PUC	cnst
110553270	110553270~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
110553270	110553270~NTP	ap1-agonist_ch2	Activator	EOC	hill
110553270	110553270~NTP	ap1-agonist_ratio	Activator	EOC	gnls
110553270	110553270~NTP	ap1-agonist_via	Inactive	EOC	cnst
110576	110576~NTP	are-bla_ch1	Repressor	EUC	hill.inv
110576	110576~NTP	are-bla_ch2	Activator	EUC	hill
110576	110576~NTP	are-bla_ratio	Activator	EUC	hill
110576	110576~NTP	are-bla_via	Inactive	EUC	cnst
110645	110645~NTP	are-bla_ch1	Repressor	cca	hill.inv
110645	110645~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
110645	110645~NTP	are-bla_ratio	Activator	cca	hill
110645	110645~NTP	are-bla_via	Inactive	cca	cnst
110656	110656~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
110656	110656~EPA	ap1-agonist_ch2	Activator	cca	hill
110656	110656~EPA	ap1-agonist_ratio	Activator	cca	hill
110656	110656~EPA	ap1-agonist_via	Inactive	cca	cnst
110656	110656~EPA	esre-bla_ch1	Inactive	cca	cnst
110656	110656~EPA	esre-bla_ch2	Activator	cca	hill
110656	110656~EPA	esre-bla_ratio	Activator	cca	hill
110656	110656~EPA	esre-bla_via	Inactive	cca	cnst
11096825	11096825~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
11096825	11096825~NTP	ap1-agonist_ch2	Activator	cca	gnls
11096825	11096825~NTP	ap1-agonist_ratio	Activator	cca	hill
11096825	11096825~NTP	ap1-agonist_via	Repressor	cca	hill.inv
11096825	11096825~NTP	are-bla_ch1	Activator	cca	gnls
11096825	11096825~NTP	are-bla_ch2	Activator	cca	hill
11096825	11096825~NTP	are-bla_ratio	Activator	cca	hill
11096825	11096825~NTP	are-bla_via	Inactive	cca	cnst
11096825	11096825~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
11096825	11096825~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
11096825	11096825~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
11096825	11096825~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
11096825	11096825~NTP	p53-bla_ch1	Repressor	PUC	hill.inv
11096825	11096825~NTP	p53-bla_ch2	Activator	PUC	gnls
11096825	11096825~NTP	p53-bla_ratio	Activator	PUC	hill
11096825	11096825~NTP	p53-bla_via	Repressor	PUC	hill.inv
11099039	11099039~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
11099039	11099039~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
11099039	11099039~NTP	ap1-agonist_ratio	Activator	rfp	hill
11099039	11099039~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
11099039	11099039~NTP	are-bla_ch1	Repressor	cca	hill.inv
11099039	11099039~NTP	are-bla_ch2	Activator	cca	gnls
11099039	11099039~NTP	are-bla_ratio	Activator	cca	gnls
11099039	11099039~NTP	are-bla_via	Repressor	cca	hill.inv
11099039	11099039~NTP	esre-bla_ch1	Complex	rfp	gnls
11099039	11099039~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
11099039	11099039~NTP	esre-bla_ratio	Activator	rfp	gnls.inv
11099039	11099039~NTP	esre-bla_via	Repressor	rfp	hill.inv
11099039	11099039~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
11099039	11099039~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
11099039	11099039~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
11099039	11099039~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
11099039	11099039~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
11099039	11099039~NTP	hse-bla_ch2	Inactive	rfp	cnst
11099039	11099039~NTP	hse-bla_ratio	Activator	rfp	hill
11099039	11099039~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
11099039	11099039~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
11099039	11099039~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
11099039	11099039~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
11099039	11099039~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
11111345	11111345~EPA	are-bla_ch1	Inactive	rfp	cnst
11111345	11111345~EPA	are-bla_ch2	Inactive	rfp	cnst
11111345	11111345~EPA	are-bla_ratio	Activator	rfp	gnls
11111345	11111345~EPA	are-bla_via	Repressor	rfp	hill.inv
111262	111262~NTP	ap1-agonist_ch1	Inactive	cca	cnst
111262	111262~NTP	ap1-agonist_ch2	Activator	cca	hill
111262	111262~NTP	ap1-agonist_ratio	Activator	cca	hill
111262	111262~NTP	ap1-agonist_via	Inactive	cca	cnst
111308	111308~EPA	p53-bla_ch1	Inactive	cca	cnst
111308	111308~EPA	p53-bla_ch2	Activator	cca	hill
111308	111308~EPA	p53-bla_ratio	Activator	cca	hill
111308	111308~EPA	p53-bla_via	Inactive	cca	cnst
111308	111308~FDA	p53-bla_ch1	Repressor	cca	hill.inv
111308	111308~FDA	p53-bla_ch2	Activator	cca	hill
111308	111308~FDA	p53-bla_ratio	Activator	cca	hill
111308	111308~FDA	p53-bla_via	Repressor	cca	hill.inv
111308	111308~NTP	are-bla_ch1	Inactive	cca	cnst
111308	111308~NTP	are-bla_ch2	Activator	cca	hill
111308	111308~NTP	are-bla_ratio	Activator	cca	gnls
111308	111308~NTP	are-bla_via	Inactive	cca	cnst
111308	111308~NTP	p53-bla_ch1	Repressor	cca	hill.inv
111308	111308~NTP	p53-bla_ch2	Activator	cca	hill
111308	111308~NTP	p53-bla_ratio	Activator	cca	hill
111308	111308~NTP	p53-bla_via	Inactive	cca	cnst
111358884	111358884~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
111358884	111358884~FDA	p53-bla_ch2	Activator	EUC	gnls
111358884	111358884~FDA	p53-bla_ratio	Activator	EUC	gnls
111358884	111358884~FDA	p53-bla_via	Repressor	EUC	hill.inv
111400	111400~NTP	are-bla_ch1	Inactive	EUC	cnst
111400	111400~NTP	are-bla_ch2	Activator	EUC	hill
111400	111400~NTP	are-bla_ratio	Activator	EUC	hill
111400	111400~NTP	are-bla_via	Inactive	EUC	cnst
111406872	111406872~EPA	are-bla_ch1	Inactive	cca	cnst
111406872	111406872~EPA	are-bla_ch2	Activator	cca	hill
111406872	111406872~EPA	are-bla_ratio	Activator	cca	hill
111406872	111406872~EPA	are-bla_via	Inactive	cca	cnst
111470996	111470996~FDA	p53-bla_ch1	Inactive	cca	cnst
111470996	111470996~FDA	p53-bla_ch2	Activator	cca	hill
111470996	111470996~FDA	p53-bla_ratio	Activator	cca	hill
111470996	111470996~FDA	p53-bla_via	Inactive	cca	cnst
111812589	111812589~EPA	are-bla_ch1	Activator	cca	hill
111812589	111812589~EPA	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
111812589	111812589~EPA	are-bla_ratio	Activator	cca	gnls
111812589	111812589~EPA	are-bla_via	Inactive	cca	cnst
1118463	1118463~EPA	are-bla_ch1	Repressor	cca	hill.inv
1118463	1118463~EPA	are-bla_ch2	Activator	cca	hill
1118463	1118463~EPA	are-bla_ratio	Activator	cca	hill
1118463	1118463~EPA	are-bla_via	Inactive	cca	cnst
1118463	1118463~NTP	are-bla_ch1	Repressor	cca	hill.inv
1118463	1118463~NTP	are-bla_ch2	Activator	cca	hill
1118463	1118463~NTP	are-bla_ratio	Activator	cca	hill
1118463	1118463~NTP	are-bla_via	Inactive	cca	cnst
111974722	111974722~EPA	are-bla_ch1	Inactive	EUC	cnst
111974722	111974722~EPA	are-bla_ch2	Activator	EUC	hill
111974722	111974722~EPA	are-bla_ratio	Activator	EUC	hill
111974722	111974722~EPA	are-bla_via	Inactive	EUC	cnst
1119944	1119944~EPA	are-bla_ch1	Repressor	cca	hill.inv
1119944	1119944~EPA	are-bla_ch2	Activator	cca	gnls
1119944	1119944~EPA	are-bla_ratio	Activator	cca	gnls
1119944	1119944~EPA	are-bla_via	Repressor	cca	hill.inv
1119944	1119944~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1119944	1119944~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1119944	1119944~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1119944	1119944~EPA	hre-bla-agonist_via	Complex	rfp	gnls
1119944	1119944~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1119944	1119944~EPA	p53-bla_ch2	Inactive	rfp	cnst
1119944	1119944~EPA	p53-bla_ratio	Activator	rfp	hill
1119944	1119944~EPA	p53-bla_via	Repressor	rfp	hill.inv
1119977	1119977~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1119977	1119977~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1119977	1119977~EPA	ap1-agonist_ratio	Activator	rfp	hill
1119977	1119977~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1119977	1119977~EPA	are-bla_ch1	Repressor	cca	hill.inv
1119977	1119977~EPA	are-bla_ch2	Activator	cca	gnls
1119977	1119977~EPA	are-bla_ratio	Activator	cca	gnls
1119977	1119977~EPA	are-bla_via	Repressor	cca	hill.inv
1119977	1119977~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1119977	1119977~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1119977	1119977~EPA	esre-bla_ratio	Activator	rfp	hill
1119977	1119977~EPA	esre-bla_via	Repressor	rfp	hill.inv
1119977	1119977~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1119977	1119977~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1119977	1119977~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1119977	1119977~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1119977	1119977~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1119977	1119977~EPA	hse-bla_ch2	Inactive	rfp	cnst
1119977	1119977~EPA	hse-bla_ratio	Activator	rfp	hill
1119977	1119977~EPA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1119977	1119977~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1119977	1119977~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1119977	1119977~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1119977	1119977~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1119977	1119977~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1119977	1119977~EPA	p53-bla_ch2	Inactive	rfp	cnst
1119977	1119977~EPA	p53-bla_ratio	Activator	rfp	hill
1119977	1119977~EPA	p53-bla_via	Repressor	rfp	hill.inv
1119977	1119977~FDA	are-bla_ch1	Repressor	cca	hill.inv
1119977	1119977~FDA	are-bla_ch2	Activator	cca	gnls
1119977	1119977~FDA	are-bla_ratio	Activator	cca	gnls
1119977	1119977~FDA	are-bla_via	Repressor	cca	hill.inv
1119977	1119977~FDA	p53-bla_ch1	Repressor	cca	hill.inv
1119977	1119977~FDA	p53-bla_ch2	Activator	cca	gnls
1119977	1119977~FDA	p53-bla_ratio	Activator	cca	hill
1119977	1119977~FDA	p53-bla_via	Repressor	cca	hill.inv
1120010	1120010~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1120010	1120010~EPA	ap1-agonist_ch2	Activator	cca	gnls
1120010	1120010~EPA	ap1-agonist_ratio	Activator	cca	gnls
1120010	1120010~EPA	ap1-agonist_via	Inactive	cca	cnst
1120043	1120043~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
1120043	1120043~EPA	ap1-agonist_ch2	Activator	EOC	gnls
1120043	1120043~EPA	ap1-agonist_ratio	Activator	EOC	gnls
1120043	1120043~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
1120043	1120043~EPA	are-bla_ch1	Repressor	cca	hill.inv
1120043	1120043~EPA	are-bla_ch2	Activator	cca	gnls
1120043	1120043~EPA	are-bla_ratio	Activator	cca	gnls
1120043	1120043~EPA	are-bla_via	Repressor	cca	hill.inv
1120043	1120043~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1120043	1120043~EPA	esre-bla_ch2	Inactive	rfp	cnst
1120043	1120043~EPA	esre-bla_ratio	Activator	rfp	hill
1120043	1120043~EPA	esre-bla_via	Repressor	rfp	hill.inv
1120043	1120043~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1120043	1120043~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1120043	1120043~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1120043	1120043~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1120043	1120043~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1120043	1120043~EPA	hse-bla_ch2	Inactive	rfp	cnst
1120043	1120043~EPA	hse-bla_ratio	Activator	rfp	hill
1120043	1120043~EPA	hse-bla_via	Repressor	rfp	hill.inv
1120043	1120043~EPA	nfkb-bla-agonist_ch1	Repressor	PUC	hill.inv
1120043	1120043~EPA	nfkb-bla-agonist_ch2	Activator	PUC	gnls
1120043	1120043~EPA	nfkb-bla-agonist_ratio	Activator	PUC	hill
1120043	1120043~EPA	nfkb-bla-agonist_via	Repressor	PUC	hill.inv
1120043	1120043~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1120043	1120043~EPA	p53-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1120043	1120043~EPA	p53-bla_ratio	Activator	rfp	hill
1120043	1120043~EPA	p53-bla_via	Repressor	rfp	hill.inv
112005	112005~EPA	are-bla_ch1	Repressor	cca	hill.inv
112005	112005~EPA	are-bla_ch2	Activator	cca	gnls
112005	112005~EPA	are-bla_ratio	Activator	cca	gnls
112005	112005~EPA	are-bla_via	Repressor	cca	hill.inv
112005	112005~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
112005	112005~EPA	p53-bla_ch2	Inactive	rfp	cnst
112005	112005~EPA	p53-bla_ratio	Activator	rfp	hill
112005	112005~EPA	p53-bla_via	Repressor	rfp	hill.inv
112005	112005~NTP	are-bla_ch1	Repressor	cca	hill.inv
112005	112005~NTP	are-bla_ch2	Activator	cca	gnls
112005	112005~NTP	are-bla_ratio	Activator	cca	gnls
112005	112005~NTP	are-bla_via	Inactive	cca	cnst
112005	112005~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
112005	112005~NTP	p53-bla_ch2	Inactive	rfp	cnst
112005	112005~NTP	p53-bla_ratio	Activator	rfp	hill
112005	112005~NTP	p53-bla_via	Inactive	rfp	cnst
112027	112027~NTP	are-bla_ch1	Repressor	cca	hill.inv
112027	112027~NTP	are-bla_ch2	Activator	cca	gnls
112027	112027~NTP	are-bla_ratio	Activator	cca	gnls
112027	112027~NTP	are-bla_via	Repressor	cca	hill.inv
112027	112027~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
112027	112027~NTP	p53-bla_ch2	Inactive	rfp	cnst
112027	112027~NTP	p53-bla_ratio	Activator	rfp	hill
112027	112027~NTP	p53-bla_via	Inactive	rfp	cnst
112038	112038~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
112038	112038~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
112038	112038~NTP	ap1-agonist_ratio	Activator	rfp	hill
112038	112038~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
112038	112038~NTP	are-bla_ch1	Repressor	PUC	hill.inv
112038	112038~NTP	are-bla_ch2	Activator	PUC	gnls
112038	112038~NTP	are-bla_ratio	Activator	PUC	gnls
112038	112038~NTP	are-bla_via	Repressor	PUC	hill.inv
112038	112038~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
112038	112038~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
112038	112038~NTP	esre-bla_ratio	Activator	rfp	hill
112038	112038~NTP	esre-bla_via	Repressor	rfp	hill.inv
112038	112038~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
112038	112038~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
112038	112038~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
112038	112038~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
112038	112038~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
112038	112038~NTP	hse-bla_ch2	Inactive	rfp	cnst
112038	112038~NTP	hse-bla_ratio	Activator	rfp	hill
112038	112038~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
112038	112038~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
112038	112038~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
112038	112038~NTP	p53-bla_ratio	Activator	rfp	hill
112038	112038~NTP	p53-bla_via	Repressor	rfp	hill.inv
112192048	112192048~FDA	esre-bla_ch1	Repressor	cca	hill.inv
112192048	112192048~FDA	esre-bla_ch2	Activator	cca	hill
112192048	112192048~FDA	esre-bla_ratio	Activator	cca	hill
112192048	112192048~FDA	esre-bla_via	Inactive	cca	cnst
112281773	112281773~EPA	are-bla_ch1	Inactive	PUC	cnst
112281773	112281773~EPA	are-bla_ch2	Activator	PUC	hill
112281773	112281773~EPA	are-bla_ratio	Activator	PUC	hill
112281773	112281773~EPA	are-bla_via	Inactive	PUC	cnst
112400858	112400858~NTP	are-bla_ch1	Inactive	cca	cnst
112400858	112400858~NTP	are-bla_ch2	Activator	cca	hill
112400858	112400858~NTP	are-bla_ratio	Activator	cca	hill
112400858	112400858~NTP	are-bla_via	Inactive	cca	cnst
112400869	112400869~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
112400869	112400869~NTP	ap1-agonist_ch2	Activator	EOC	gnls
112400869	112400869~NTP	ap1-agonist_ratio	Activator	EOC	gnls
112400869	112400869~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
112400869	112400869~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
112400869	112400869~NTP	esre-bla_ch2	Inactive	rfp	cnst
112400869	112400869~NTP	esre-bla_ratio	Activator	rfp	hill
112400869	112400869~NTP	esre-bla_via	Repressor	rfp	hill.inv
112400869	112400869~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
112400869	112400869~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
112400869	112400869~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
112400869	112400869~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
112400869	112400869~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
112400869	112400869~NTP	hse-bla_ch2	Inactive	rfp	cnst
112400869	112400869~NTP	hse-bla_ratio	Activator	rfp	hill
112400869	112400869~NTP	hse-bla_via	Repressor	rfp	hill.inv
112400869	112400869~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
112400869	112400869~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
112400869	112400869~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
112400869	112400869~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
112400869	112400869~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
112400869	112400869~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
112400869	112400869~NTP	p53-bla_ratio	Activator	rfp	hill
112400869	112400869~NTP	p53-bla_via	Repressor	rfp	hill.inv
112410238	112410238~EPA	are-bla_ch1	Inactive	EUC	cnst
112410238	112410238~EPA	are-bla_ch2	Activator	EUC	hill
112410238	112410238~EPA	are-bla_ratio	Activator	EUC	hill
112410238	112410238~EPA	are-bla_via	Inactive	EUC	cnst
1124330	1124330~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1124330	1124330~EPA	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
1124330	1124330~EPA	ap1-agonist_ratio	Activator	cca	hill
1124330	1124330~EPA	ap1-agonist_via	Inactive	cca	cnst
1124330	1124330~EPA	are-bla_ch1	Repressor	rfp	hill.inv
1124330	1124330~EPA	are-bla_ch2	Inactive	rfp	hill.inv
1124330	1124330~EPA	are-bla_ratio	Activator	rfp	gnls
1124330	1124330~EPA	are-bla_via	Repressor	rfp	hill.inv
112527	112527~EPA	are-bla_ch1	Inactive	cca	cnst
112527	112527~EPA	are-bla_ch2	Activator	cca	hill
112527	112527~EPA	are-bla_ratio	Activator	cca	hill
112527	112527~EPA	are-bla_via	Inactive	cca	cnst
112529154	112529154~EPA	are-bla_ch1	Inactive	EUC	cnst
112529154	112529154~EPA	are-bla_ch2	Activator	EUC	hill
112529154	112529154~EPA	are-bla_ratio	Activator	EUC	hill
112529154	112529154~EPA	are-bla_via	Inactive	EUC	cnst
112529154	112529154~FDA	are-bla_ch1	Inactive	EUC	cnst
112529154	112529154~FDA	are-bla_ch2	Activator	EUC	hill
112529154	112529154~FDA	are-bla_ratio	Activator	EUC	hill
112529154	112529154~FDA	are-bla_via	Inactive	EUC	cnst
112630	112630~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
112630	112630~EPA	hse-bla_ch2	Inactive	rfp	cnst
112630	112630~EPA	hse-bla_ratio	Activator	rfp	hill
112630	112630~EPA	hse-bla_via	Repressor	rfp	hill.inv
112665437	112665437~FDA	are-bla_ch1	Inactive	cca	cnst
112665437	112665437~FDA	are-bla_ch2	Activator	cca	hill
112665437	112665437~FDA	are-bla_ratio	Activator	cca	hill
112665437	112665437~FDA	are-bla_via	Inactive	cca	cnst
112885424	112885424~FDA	are-bla_ch1	Inactive	cca	cnst
112885424	112885424~FDA	are-bla_ch2	Activator	cca	hill
112885424	112885424~FDA	are-bla_ratio	Activator	cca	gnls
112885424	112885424~FDA	are-bla_via	Inactive	cca	cnst
112887680	112887680~FDA	p53-bla_ch1	Inactive	cca	cnst
112887680	112887680~FDA	p53-bla_ch2	Activator	cca	hill
112887680	112887680~FDA	p53-bla_ratio	Activator	cca	hill
112887680	112887680~FDA	p53-bla_via	Repressor	cca	hill.inv
112965216	112965216~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
112965216	112965216~FDA	ap1-agonist_ch2	Activator	cca	gnls
112965216	112965216~FDA	ap1-agonist_ratio	Activator	cca	gnls
112965216	112965216~FDA	ap1-agonist_via	Repressor	cca	hill.inv
112965216	112965216~FDA	are-bla_ch1	Repressor	EUC	gnls.inv
112965216	112965216~FDA	are-bla_ch2	Activator	EUC	gnls
112965216	112965216~FDA	are-bla_ratio	Activator	EUC	gnls
112965216	112965216~FDA	are-bla_via	Repressor	EUC	hill.inv
112965216	112965216~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
112965216	112965216~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
112965216	112965216~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
112965216	112965216~FDA	hre-bla-agonist_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
112965216	112965216~FDA	hse-bla_ch1	Repressor	cca	hill.inv
112965216	112965216~FDA	hse-bla_ch2	Activator	cca	hill
112965216	112965216~FDA	hse-bla_ratio	Activator	cca	hill
112965216	112965216~FDA	hse-bla_via	Repressor	cca	hill.inv
112965216	112965216~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
112965216	112965216~FDA	p53-bla_ch2	Inactive	rfp	cnst
112965216	112965216~FDA	p53-bla_ratio	Activator	rfp	hill
112965216	112965216~FDA	p53-bla_via	Repressor	rfp	hill.inv
113136779	113136779~EPA	are-bla_ch1	Inactive	cca	cnst
113136779	113136779~EPA	are-bla_ch2	Activator	cca	hill
113136779	113136779~EPA	are-bla_ratio	Activator	cca	hill
113136779	113136779~EPA	are-bla_via	Inactive	cca	cnst
1134049	1134049~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1134049	1134049~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
1134049	1134049~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
1134049	1134049~EPA	ap1-agonist_via	Inactive	EOC/PUC	cnst
1134049	1134049~EPA	are-bla_ch1	Repressor	EOC	hill.inv
1134049	1134049~EPA	are-bla_ch2	Activator	EOC	gnls
1134049	1134049~EPA	are-bla_ratio	Activator	EOC	gnls
1134049	1134049~EPA	are-bla_via	Repressor	EOC	hill.inv
1134049	1134049~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1134049	1134049~EPA	esre-bla_ch2	Inactive	rfp	cnst
1134049	1134049~EPA	esre-bla_ratio	Activator	rfp	hill
1134049	1134049~EPA	esre-bla_via	Repressor	rfp	hill.inv
113507065	113507065~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
113507065	113507065~FDA	p53-bla_ch2	Inactive	rfp	cnst
113507065	113507065~FDA	p53-bla_ratio	Activator	rfp	hill
113507065	113507065~FDA	p53-bla_via	Repressor	rfp	hill.inv
113520	113520~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
113520	113520~EPA	ap1-agonist_ch2	Activator	cca	gnls
113520	113520~EPA	ap1-agonist_ratio	Activator	cca	hill
113520	113520~EPA	ap1-agonist_via	Inactive	cca	cnst
1135280782	1135280782~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1135280782	1135280782~FDA	ap1-agonist_ch2	Activator	cca	hill
1135280782	1135280782~FDA	ap1-agonist_ratio	Activator	cca	hill
1135280782	1135280782~FDA	ap1-agonist_via	Inactive	cca	cnst
1135280782	1135280782~FDA	are-bla_ch1	Inactive	EUC	cnst
1135280782	1135280782~FDA	are-bla_ch2	Activator	EUC	hill
1135280782	1135280782~FDA	are-bla_ratio	Activator	EUC	hill
1135280782	1135280782~FDA	are-bla_via	Inactive	EUC	cnst
1135280782	1135280782~FDA	hse-bla_ch1	Repressor	cca	hill.inv
1135280782	1135280782~FDA	hse-bla_ch2	Activator	cca	hill
1135280782	1135280782~FDA	hse-bla_ratio	Activator	cca	hill
1135280782	1135280782~FDA	hse-bla_via	Inactive	cca	cnst
113597	113597~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
113597	113597~FDA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
113597	113597~FDA	ap1-agonist_ratio	Activator	cca	hill
113597	113597~FDA	ap1-agonist_via	Inactive	cca	cnst
113617633	113617633~FDA	are-bla_ch1	Repressor	cca	hill.inv
113617633	113617633~FDA	are-bla_ch2	Activator	cca	hill
113617633	113617633~FDA	are-bla_ratio	Activator	cca	hill
113617633	113617633~FDA	are-bla_via	Inactive	cca	cnst
113712984	113712984~FDA	are-bla_ch1	Repressor	cca	hill.inv
113712984	113712984~FDA	are-bla_ch2	Activator	cca	hill
113712984	113712984~FDA	are-bla_ratio	Activator	cca	hill
113712984	113712984~FDA	are-bla_via	Inactive	cca	cnst
113735	113735~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
113735	113735~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
113735	113735~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
113735	113735~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
113928	113928~EPA	ap1-agonist_ch1	Inactive	cca	cnst
113928	113928~EPA	ap1-agonist_ch2	Activator	cca	hill
113928	113928~EPA	ap1-agonist_ratio	Activator	cca	hill
113928	113928~EPA	ap1-agonist_via	Inactive	cca	cnst
113928	113928~NTP	ap1-agonist_ch1	Inactive	cca	cnst
113928	113928~NTP	ap1-agonist_ch2	Activator	cca	hill
113928	113928~NTP	ap1-agonist_ratio	Activator	cca	hill
113928	113928~NTP	ap1-agonist_via	Inactive	cca	cnst
1142337107	1142337107~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1142337107	1142337107~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
1142337107	1142337107~FDA	p53-bla_ratio	Activator	rfp	hill
1142337107	1142337107~FDA	p53-bla_via	Repressor	rfp	hill.inv
1143722	1143722~EPA	are-bla_ch1	Inactive	cca	cnst
1143722	1143722~EPA	are-bla_ch2	Activator	cca	hill
1143722	1143722~EPA	are-bla_ratio	Activator	cca	hill
1143722	1143722~EPA	are-bla_via	Inactive	cca	cnst
1143722	1143722~NTP	are-bla_ch1	Inactive	cca	cnst
1143722	1143722~NTP	are-bla_ch2	Activator	cca	gnls.inv
1143722	1143722~NTP	are-bla_ratio	Activator	cca	gnls.inv
1143722	1143722~NTP	are-bla_via	Inactive	cca	cnst
114569845	114569845~NTP	are-bla_ch1	Repressor	cca	hill.inv
114569845	114569845~NTP	are-bla_ch2	Activator	cca	gnls
114569845	114569845~NTP	are-bla_ratio	Activator	cca	gnls
114569845	114569845~NTP	are-bla_via	Repressor	cca	hill.inv
114569845	114569845~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
114569845	114569845~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
114569845	114569845~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
114569845	114569845~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
114569845	114569845~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
114569845	114569845~NTP	hse-bla_ch2	Inactive	rfp	cnst
114569845	114569845~NTP	hse-bla_ratio	Activator	rfp	hill
114569845	114569845~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
114569845	114569845~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
114569845	114569845~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
114569845	114569845~NTP	p53-bla_ratio	Activator	rfp	hill
114569845	114569845~NTP	p53-bla_via	Repressor	rfp	hill.inv
1146958	1146958~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
1146958	1146958~FDA	ap1-agonist_ch2	Activator	EOC	hill
1146958	1146958~FDA	ap1-agonist_ratio	Activator	EOC	hill
1146958	1146958~FDA	ap1-agonist_via	Inactive	EOC	cnst
1146981	1146981~FDA	are-bla_ch1	Inactive	cca	cnst
1146981	1146981~FDA	are-bla_ch2	Activator	cca	hill
1146981	1146981~FDA	are-bla_ratio	Activator	cca	hill
1146981	1146981~FDA	are-bla_via	Inactive	cca	cnst
114899773	114899773~FDA	p53-bla_ch1	Repressor	cca	hill.inv
114899773	114899773~FDA	p53-bla_ch2	Activator	cca	gnls
114899773	114899773~FDA	p53-bla_ratio	Activator	cca	gnls
114899773	114899773~FDA	p53-bla_via	Inactive	cca	cnst
114977285	114977285~FDA	p53-bla_ch1	Repressor	POC	hill.inv
114977285	114977285~FDA	p53-bla_ch2	Activator	POC	gnls
114977285	114977285~FDA	p53-bla_ratio	Activator	POC	gnls
114977285	114977285~FDA	p53-bla_via	Inactive	POC	cnst
115093	115093~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
115093	115093~NTP	ap1-agonist_ch2	Activator	cca	gnls
115093	115093~NTP	ap1-agonist_ratio	Activator	cca	gnls
115093	115093~NTP	ap1-agonist_via	Repressor	cca	hill.inv
115093	115093~NTP	are-bla_ch1	Repressor	cca	gnls.inv
115093	115093~NTP	are-bla_ch2	Activator	cca	gnls
115093	115093~NTP	are-bla_ratio	Activator	cca	gnls
115093	115093~NTP	are-bla_via	Repressor	cca	hill.inv
115093	115093~NTP	esre-bla_ch1	Complex	rfp	gnls
115093	115093~NTP	esre-bla_ch2	Inactive	rfp	cnst
115093	115093~NTP	esre-bla_ratio	Activator	rfp	gnls.inv
115093	115093~NTP	esre-bla_via	Repressor	rfp	hill.inv
115093	115093~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
115093	115093~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
115093	115093~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
115093	115093~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
115093	115093~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
115093	115093~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
115093	115093~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
115093	115093~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
115093	115093~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
115093	115093~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
115093	115093~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
115093	115093~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
115093	115093~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
115093	115093~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
115093	115093~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
115093	115093~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
115103850	115103850~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
115103850	115103850~FDA	p53-bla_ch2	Inactive	rfp	cnst
115103850	115103850~FDA	p53-bla_ratio	Activator	rfp	hill
115103850	115103850~FDA	p53-bla_via	Repressor	rfp	hill.inv
115173	115173~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
115173	115173~NTP	ap1-agonist_ch2	Activator	cca	gnls
115173	115173~NTP	ap1-agonist_ratio	Activator	cca	gnls
115173	115173~NTP	ap1-agonist_via	Inactive	cca	cnst
115173	115173~NTP	are-bla_ch1	Repressor	EOC	hill.inv
115173	115173~NTP	are-bla_ch2	Activator	EOC	gnls
115173	115173~NTP	are-bla_ratio	Activator	EOC	gnls
115173	115173~NTP	are-bla_via	Repressor	EOC	hill.inv
115173	115173~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
115173	115173~NTP	esre-bla_ch2	Inactive	rfp	cnst
115173	115173~NTP	esre-bla_ratio	Activator	rfp	hill
115173	115173~NTP	esre-bla_via	Repressor	rfp	hill.inv
115173	115173~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
115173	115173~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
115173	115173~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
115173	115173~NTP	hre-bla-agonist_via	Complex	rfp	gnls
115173	115173~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
115173	115173~NTP	hse-bla_ch2	Inactive	rfp	cnst
115173	115173~NTP	hse-bla_ratio	Activator	rfp	hill
115173	115173~NTP	hse-bla_via	Repressor	rfp	hill.inv
115173	115173~NTP	p53-bla_ch1	Repressor	EOC	gnls.inv
115173	115173~NTP	p53-bla_ch2	Activator	EOC	gnls
115173	115173~NTP	p53-bla_ratio	Activator	EOC	gnls
115173	115173~NTP	p53-bla_via	Inactive	EOC	cnst
1152610	1152610~NTP	are-bla_ch1	Repressor	cca	hill.inv
1152610	1152610~NTP	are-bla_ch2	Activator	cca	gnls
1152610	1152610~NTP	are-bla_ratio	Activator	cca	gnls
1152610	1152610~NTP	are-bla_via	Repressor	cca	hill.inv
115297	115297~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
115297	115297~EPA	ap1-agonist_ch2	Activator	EOC	gnls
115297	115297~EPA	ap1-agonist_ratio	Activator	EOC	hill
115297	115297~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
115297	115297~EPA	are-bla_ch1	Inactive	rfp	cnst
115297	115297~EPA	are-bla_ch2	Inactive	rfp	hill.inv
115297	115297~EPA	are-bla_ratio	Activator	rfp	hill
115297	115297~EPA	are-bla_via	Repressor	rfp	hill.inv
115297	115297~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
115297	115297~EPA	esre-bla_ch2	Inactive	rfp	cnst
115297	115297~EPA	esre-bla_ratio	Activator	rfp	hill
115297	115297~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
115297	115297~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
115297	115297~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
115297	115297~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
115297	115297~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
115297	115297~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
115297	115297~EPA	hse-bla_ch2	Inactive	rfp	cnst
115297	115297~EPA	hse-bla_ratio	Activator	rfp	hill
115297	115297~EPA	hse-bla_via	Repressor	rfp	hill.inv
115297	115297~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
115297	115297~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
115297	115297~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
115297	115297~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
115297	115297~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
115297	115297~NTP	ap1-agonist_ch2	Activator	cca	gnls
115297	115297~NTP	ap1-agonist_ratio	Activator	cca	hill
115297	115297~NTP	ap1-agonist_via	Repressor	cca	hill.inv
115297	115297~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
115297	115297~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
115297	115297~NTP	esre-bla_ratio	Activator	rfp	hill
115297	115297~NTP	esre-bla_via	Repressor	rfp	hill.inv
115297	115297~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
115297	115297~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
115297	115297~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
115297	115297~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
115297	115297~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
115297	115297~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
115297	115297~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
115297	115297~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
115297	115297~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
115297	115297~NTP	p53-bla_ch2	Inactive	rfp	cnst
115297	115297~NTP	p53-bla_ratio	Activator	rfp	hill
115297	115297~NTP	p53-bla_via	Repressor	rfp	hill.inv
115322	115322~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
115322	115322~EPA	ap1-agonist_ch2	Activator	cca	hill
115322	115322~EPA	ap1-agonist_ratio	Activator	cca	hill
115322	115322~EPA	ap1-agonist_via	Inactive	cca	cnst
115322	115322~EPA	are-bla_ch1	Repressor	rfp	hill.inv
115322	115322~EPA	are-bla_ch2	Inactive	rfp	hill.inv
115322	115322~EPA	are-bla_ratio	Activator	rfp	gnls
115322	115322~EPA	are-bla_via	Repressor	rfp	hill.inv
115322	115322~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
115322	115322~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
115322	115322~EPA	esre-bla_ratio	Activator	rfp	hill
115322	115322~EPA	esre-bla_via	Repressor	rfp	hill.inv
115322	115322~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
115322	115322~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
115322	115322~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
115322	115322~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
115322	115322~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
115322	115322~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
115322	115322~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
115322	115322~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
115322	115322~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
115322	115322~EPA	p53-bla_ch2	Inactive	rfp	cnst
115322	115322~EPA	p53-bla_ratio	Activator	rfp	hill
115322	115322~EPA	p53-bla_via	Repressor	rfp	hill.inv
115333	115333~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
115333	115333~FDA	ap1-agonist_ch2	Activator	cca	gnls
115333	115333~FDA	ap1-agonist_ratio	Activator	cca	gnls
115333	115333~FDA	ap1-agonist_via	Repressor	cca	hill.inv
115333	115333~FDA	are-bla_ch1	Inactive	rfn	cnst
115333	115333~FDA	are-bla_ch2	Activator	rfn	hill
115333	115333~FDA	are-bla_ratio	Inactive	rfn	cnst
115333	115333~FDA	are-bla_via	Inactive	rfn	cnst
115333	115333~FDA	p53-bla_ch1	Inactive	EUC	cnst
115333	115333~FDA	p53-bla_ch2	Activator	EUC	gnls
115333	115333~FDA	p53-bla_ratio	Activator	EUC	hill
115333	115333~FDA	p53-bla_via	Repressor	EUC	hill.inv
1154592	1154592~EPA	esre-bla_ch1	Repressor	PUC	hill.inv
1154592	1154592~EPA	esre-bla_ch2	Activator	PUC	hill
1154592	1154592~EPA	esre-bla_ratio	Activator	PUC	hill
1154592	1154592~EPA	esre-bla_via	Repressor	PUC	hill.inv
1154592	1154592~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
1154592	1154592~EPA	hre-bla-agonist_ch2	Activator	cca	hill
1154592	1154592~EPA	hre-bla-agonist_ratio	Activator	cca	hill
1154592	1154592~EPA	hre-bla-agonist_via	Repressor	cca	hill.inv
1154592	1154592~EPA	hse-bla_ch1	Repressor	cca	hill.inv
1154592	1154592~EPA	hse-bla_ch2	Activator	cca	gnls
1154592	1154592~EPA	hse-bla_ratio	Activator	cca	gnls
1154592	1154592~EPA	hse-bla_via	Repressor	cca	hill.inv
1154592	1154592~EPA	p53-bla_ch1	Repressor	POC	hill.inv
1154592	1154592~EPA	p53-bla_ch2	Activator	POC	hill
1154592	1154592~EPA	p53-bla_ratio	Activator	POC	hill
1154592	1154592~EPA	p53-bla_via	Repressor	POC	hill.inv
1155744	1155744~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1155744	1155744~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1155744	1155744~EPA	ap1-agonist_ratio	Activator	rfp	hill
1155744	1155744~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1155744	1155744~EPA	are-bla_ch1	Repressor	cca	hill.inv
1155744	1155744~EPA	are-bla_ch2	Activator	cca	gnls
1155744	1155744~EPA	are-bla_ratio	Activator	cca	gnls
1155744	1155744~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1155744	1155744~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1155744	1155744~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1155744	1155744~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1155744	1155744~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1155744	1155744~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1155744	1155744~EPA	hse-bla_ch2	Inactive	rfp	cnst
1155744	1155744~EPA	hse-bla_ratio	Activator	rfp	hill
1155744	1155744~EPA	hse-bla_via	Repressor	rfp	hill.inv
1155744	1155744~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1155744	1155744~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1155744	1155744~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1155744	1155744~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1155744	1155744~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1155744	1155744~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
1155744	1155744~EPA	p53-bla_ratio	Activator	rfp	hill
1155744	1155744~EPA	p53-bla_via	Repressor	rfp	hill.inv
115866	115866~NTP	are-bla_ch1	Inactive	cca	cnst
115866	115866~NTP	are-bla_ch2	Activator	cca	gnls
115866	115866~NTP	are-bla_ratio	Activator	cca	hill
115866	115866~NTP	are-bla_via	Inactive	cca	cnst
115964299	115964299~FDA	are-bla_ch1	Inactive	cca	cnst
115964299	115964299~FDA	are-bla_ch2	Activator	cca	hill
115964299	115964299~FDA	are-bla_ratio	Activator	cca	hill
115964299	115964299~FDA	are-bla_via	Inactive	cca	cnst
115991	115991~EPA	are-bla_ch1	Inactive	cca	cnst
115991	115991~EPA	are-bla_ch2	Activator	cca	hill
115991	115991~EPA	are-bla_ratio	Activator	cca	hill
115991	115991~EPA	are-bla_via	Inactive	cca	cnst
116176	116176~NTP	ap1-agonist_ch1	Inactive	cca	cnst
116176	116176~NTP	ap1-agonist_ch2	Activator	cca	hill
116176	116176~NTP	ap1-agonist_ratio	Activator	cca	hill
116176	116176~NTP	ap1-agonist_via	Inactive	cca	cnst
1162067	1162067~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1162067	1162067~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
1162067	1162067~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
1162067	1162067~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
1162067	1162067~EPA	are-bla_ch1	Repressor	cca	hill.inv
1162067	1162067~EPA	are-bla_ch2	Activator	cca	gnls
1162067	1162067~EPA	are-bla_ratio	Activator	cca	gnls
1162067	1162067~EPA	are-bla_via	Repressor	cca	hill.inv
1162067	1162067~EPA	esre-bla_ch1	Complex	rfp	gnls
1162067	1162067~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1162067	1162067~EPA	esre-bla_ratio	Activator	rfp	gnls.inv
1162067	1162067~EPA	esre-bla_via	Repressor	rfp	hill.inv
1162067	1162067~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1162067	1162067~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
1162067	1162067~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1162067	1162067~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1162067	1162067~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1162067	1162067~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
1162067	1162067~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
1162067	1162067~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
1162067	1162067~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1162067	1162067~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1162067	1162067~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1162067	1162067~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1162067	1162067~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1162067	1162067~EPA	p53-bla_ch2	Inactive	rfp	gnls.inv
1162067	1162067~EPA	p53-bla_ratio	Activator	rfp	hill
1162067	1162067~EPA	p53-bla_via	Repressor	rfp	hill.inv
116287139	116287139~FDA	are-bla_ch1	Repressor	cca	hill.inv
116287139	116287139~FDA	are-bla_ch2	Activator	cca	hill
116287139	116287139~FDA	are-bla_ratio	Activator	cca	hill
116287139	116287139~FDA	are-bla_via	Inactive	cca	cnst
116290	116290~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
116290	116290~EPA	ap1-agonist_ch2	Activator	PUC	hill
116290	116290~EPA	ap1-agonist_ratio	Activator	PUC	hill
116290	116290~EPA	ap1-agonist_via	Inactive	PUC	cnst
116290	116290~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
116290	116290~NTP	ap1-agonist_ch2	Activator	cca	hill
116290	116290~NTP	ap1-agonist_ratio	Activator	cca	gnls
116290	116290~NTP	ap1-agonist_via	Inactive	cca	cnst
116296312	116296312~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
116296312	116296312~EPA	hse-bla_ch2	Inactive	rfp	cnst
116296312	116296312~EPA	hse-bla_ratio	Activator	rfp	hill
116296312	116296312~EPA	hse-bla_via	Repressor	rfp	hill.inv
116296312	116296312~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
116296312	116296312~EPA	p53-bla_ch2	Inactive	rfp	cnst
116296312	116296312~EPA	p53-bla_ratio	Activator	rfp	hill
116296312	116296312~EPA	p53-bla_via	Repressor	rfp	hill.inv
116314	116314~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
116314	116314~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
116314	116314~NTP	ap1-agonist_ratio	Activator	rfp	hill
116314	116314~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
116314	116314~NTP	are-bla_ch1	Complex	rfp	gnls
116314	116314~NTP	are-bla_ch2	Inactive	rfp	hill.inv
116314	116314~NTP	are-bla_ratio	Activator	rfp	gnls
116314	116314~NTP	are-bla_via	Repressor	rfp	hill.inv
116314	116314~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
116314	116314~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
116314	116314~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
116314	116314~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
116314	116314~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
116314	116314~NTP	hse-bla_ch2	Inactive	rfp	cnst
116314	116314~NTP	hse-bla_ratio	Activator	rfp	hill
116314	116314~NTP	hse-bla_via	Repressor	rfp	hill.inv
116314	116314~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
116314	116314~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
116314	116314~NTP	p53-bla_ratio	Activator	rfp	hill
116314	116314~NTP	p53-bla_via	Repressor	rfp	hill.inv
1163366	1163366~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1163366	1163366~FDA	ap1-agonist_ch2	Activator	cca	hill
1163366	1163366~FDA	ap1-agonist_ratio	Activator	cca	hill
1163366	1163366~FDA	ap1-agonist_via	Inactive	cca	cnst
1163366	1163366~FDA	are-bla_ch1	Inactive	rfn	cnst
1163366	1163366~FDA	are-bla_ch2	Activator	rfn	hill
1163366	1163366~FDA	are-bla_ratio	Inactive	rfn	cnst
1163366	1163366~FDA	are-bla_via	Inactive	rfn	cnst
1163366	1163366~FDA	hse-bla_ch1	Inactive	cca	cnst
1163366	1163366~FDA	hse-bla_ch2	Activator	cca	hill
1163366	1163366~FDA	hse-bla_ratio	Activator	cca	hill
1163366	1163366~FDA	hse-bla_via	Inactive	cca	cnst
1166525	1166525~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1166525	1166525~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1166525	1166525~EPA	ap1-agonist_ratio	Activator	rfp	hill
1166525	1166525~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1166525	1166525~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1166525	1166525~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1166525	1166525~EPA	esre-bla_ratio	Activator	rfp	hill
1166525	1166525~EPA	esre-bla_via	Repressor	rfp	hill.inv
1166525	1166525~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1166525	1166525~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1166525	1166525~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1166525	1166525~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1166525	1166525~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1166525	1166525~EPA	hse-bla_ch2	Inactive	rfp	cnst
1166525	1166525~EPA	hse-bla_ratio	Activator	rfp	hill
1166525	1166525~EPA	hse-bla_via	Repressor	rfp	hill.inv
1166525	1166525~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1166525	1166525~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1166525	1166525~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1166525	1166525~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1166525	1166525~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1166525	1166525~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
1166525	1166525~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
1166525	1166525~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
1166525	1166525~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1166525	1166525~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1166525	1166525~NTP	ap1-agonist_ratio	Activator	rfp	hill
1166525	1166525~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
1166525	1166525~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
1166525	1166525~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
1166525	1166525~NTP	esre-bla_ratio	Activator	rfp	hill
1166525	1166525~NTP	esre-bla_via	Repressor	rfp	hill.inv
1166525	1166525~NTP	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
1166525	1166525~NTP	hre-bla-agonist_ch2	Activator	EOC	gnls
1166525	1166525~NTP	hre-bla-agonist_ratio	Activator	EOC	hill
1166525	1166525~NTP	hre-bla-agonist_via	Repressor	EOC	hill.inv
1166525	1166525~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
1166525	1166525~NTP	hse-bla_ch2	Inactive	rfp	cnst
1166525	1166525~NTP	hse-bla_ratio	Activator	rfp	hill
1166525	1166525~NTP	hse-bla_via	Repressor	rfp	hill.inv
1166525	1166525~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1166525	1166525~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1166525	1166525~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1166525	1166525~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1166525	1166525~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1166525	1166525~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
1166525	1166525~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
1166525	1166525~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
11666638	11666638~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
11666638	11666638~FDA	ap1-agonist_ch2	Activator	PUC	hill
11666638	11666638~FDA	ap1-agonist_ratio	Activator	PUC	hill
11666638	11666638~FDA	ap1-agonist_via	Inactive	PUC	cnst
11666638	11666638~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
11666638	11666638~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
11666638	11666638~FDA	p53-bla_ratio	Activator	rfp	hill
11666638	11666638~FDA	p53-bla_via	Repressor	rfp	hill.inv
116814	116814~EPA	are-bla_ch1	Repressor	cca	hill.inv
116814	116814~EPA	are-bla_ch2	Activator	cca	hill
116814	116814~EPA	are-bla_ratio	Activator	cca	hill
116814	116814~EPA	are-bla_via	Inactive	cca	cnst
117091642	117091642~FDA	p53-bla_ch1	Inactive	cca	cnst
117091642	117091642~FDA	p53-bla_ch2	Activator	cca	hill
117091642	117091642~FDA	p53-bla_ratio	Activator	cca	hill
117091642	117091642~FDA	p53-bla_via	Inactive	cca	cnst
117102	117102~FDA	are-bla_ch1	Repressor	cca	hill.inv
117102	117102~FDA	are-bla_ch2	Activator	cca	hill
117102	117102~FDA	are-bla_ratio	Activator	cca	hill
117102	117102~FDA	are-bla_via	Inactive	cca	cnst
117102	117102~NTP	are-bla_ch1	Repressor	cca	hill.inv
117102	117102~NTP	are-bla_ch2	Activator	cca	gnls
117102	117102~NTP	are-bla_ratio	Activator	cca	hill
117102	117102~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
117279739	117279739~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
117279739	117279739~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
117279739	117279739~FDA	ap1-agonist_ratio	Activator	rfp	hill
117279739	117279739~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
117279739	117279739~FDA	are-bla_ch1	Repressor	cca	hill.inv
117279739	117279739~FDA	are-bla_ch2	Activator	cca	gnls
117279739	117279739~FDA	are-bla_ratio	Activator	cca	gnls
117279739	117279739~FDA	are-bla_via	Repressor	cca	hill.inv
117279739	117279739~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
117279739	117279739~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
117279739	117279739~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
117279739	117279739~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
117279739	117279739~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
117279739	117279739~FDA	hse-bla_ch2	Inactive	rfp	cnst
117279739	117279739~FDA	hse-bla_ratio	Activator	rfp	hill
117279739	117279739~FDA	hse-bla_via	Repressor	rfp	hill.inv
117279739	117279739~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
117279739	117279739~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
117279739	117279739~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
117279739	117279739~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
117279739	117279739~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
117279739	117279739~FDA	p53-bla_ch2	Inactive	rfp	cnst
117279739	117279739~FDA	p53-bla_ratio	Activator	rfp	hill
117279739	117279739~FDA	p53-bla_via	Repressor	rfp	hill.inv
117332942	117332942~FDA	are-bla_ch1	Repressor	cca	hill.inv
117332942	117332942~FDA	are-bla_ch2	Activator	cca	hill
117332942	117332942~FDA	are-bla_ratio	Activator	cca	hill
117332942	117332942~FDA	are-bla_via	Inactive	cca	cnst
117395	117395~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
117395	117395~NTP	p53-bla_ch2	Activator	EOC	hill
117395	117395~NTP	p53-bla_ratio	Activator	EOC	hill
117395	117395~NTP	p53-bla_via	Inactive	EOC	cnst
117428225	117428225~EPA	are-bla_ch1	Repressor	cca	hill.inv
117428225	117428225~EPA	are-bla_ch2	Activator	cca	gnls
117428225	117428225~EPA	are-bla_ratio	Activator	cca	gnls
117428225	117428225~EPA	are-bla_via	Inactive	cca	cnst
117428225	117428225~EPA	p53-bla_ch1	Repressor	cca	hill.inv
117428225	117428225~EPA	p53-bla_ch2	Activator	cca	gnls
117428225	117428225~EPA	p53-bla_ratio	Activator	cca	gnls
117428225	117428225~EPA	p53-bla_via	Inactive	cca	cnst
1176085	1176085~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1176085	1176085~FDA	ap1-agonist_ch2	Activator	cca	hill
1176085	1176085~FDA	ap1-agonist_ratio	Activator	cca	hill
1176085	1176085~FDA	ap1-agonist_via	Inactive	cca	cnst
1176745	1176745~EPA	are-bla_ch1	Complex	EUC	gnls.inv
1176745	1176745~EPA	are-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
1176745	1176745~EPA	are-bla_ratio	Activator	EUC	gnls
1176745	1176745~EPA	are-bla_via	Activator	EUC	hill
1176745	1176745~EPA	p53-bla_ch1	Repressor	EOC	gnls.inv
1176745	1176745~EPA	p53-bla_ch2	Activator	EOC	gnls
1176745	1176745~EPA	p53-bla_ratio	Activator	EOC	gnls
1176745	1176745~EPA	p53-bla_via	Complex	EOC	gnls.inv
117704253	117704253~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
117704253	117704253~FDA	p53-bla_ch2	Inactive	rfp	cnst
117704253	117704253~FDA	p53-bla_ratio	Activator	rfp	hill
117704253	117704253~FDA	p53-bla_via	Repressor	rfp	hill.inv
117793	117793~EPA	are-bla_ch1	Repressor	cca	hill.inv
117793	117793~EPA	are-bla_ch2	Activator	cca	gnls
117793	117793~EPA	are-bla_ratio	Activator	cca	hill
117793	117793~EPA	are-bla_via	Inactive	cca	cnst
117793	117793~NTP	are-bla_ch1	Inactive	cca	cnst
117793	117793~NTP	are-bla_ch2	Activator	cca	gnls
117793	117793~NTP	are-bla_ratio	Activator	cca	gnls
117793	117793~NTP	are-bla_via	Inactive	cca	cnst
117806	117806~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
117806	117806~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
117806	117806~EPA	ap1-agonist_ratio	Activator	rfp	gnls
117806	117806~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
117806	117806~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
117806	117806~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
117806	117806~EPA	esre-bla_ratio	Activator	rfp	hill
117806	117806~EPA	esre-bla_via	Repressor	rfp	hill.inv
117806	117806~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
117806	117806~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
117806	117806~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
117806	117806~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
117806	117806~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
117806	117806~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
117806	117806~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
117806	117806~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
117806	117806~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
117806	117806~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
117806	117806~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
117806	117806~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
117806	117806~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
117806	117806~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
117806	117806~EPA	p53-bla_ratio	Activator	rfp	hill
117806	117806~EPA	p53-bla_via	Repressor	rfp	hill.inv
117806	117806~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
117806	117806~NTP	ap1-agonist_ch2	Activator	cca	gnls
117806	117806~NTP	ap1-agonist_ratio	Activator	cca	gnls
117806	117806~NTP	ap1-agonist_via	Repressor	cca	gnls.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
117806	117806~NTP	are-bla_ch1	Inactive	EUC	cnst
117806	117806~NTP	are-bla_ch2	Activator	EUC	gnls
117806	117806~NTP	are-bla_ratio	Activator	EUC	gnls
117806	117806~NTP	are-bla_via	Repressor	EUC	hill.inv
117806	117806~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
117806	117806~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
117806	117806~NTP	esre-bla_ratio	Activator	rfp	hill
117806	117806~NTP	esre-bla_via	Repressor	rfp	hill.inv
117806	117806~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
117806	117806~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
117806	117806~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
117806	117806~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
117806	117806~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
117806	117806~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
117806	117806~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
117806	117806~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
117806	117806~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
117806	117806~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
117806	117806~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
117806	117806~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
117806	117806~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
117806	117806~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
117806	117806~NTP	p53-bla_ratio	Activator	rfp	hill
117806	117806~NTP	p53-bla_via	Repressor	rfp	hill.inv
117947850	117947850~NTP	are-bla_ch1	Inactive	cca	cnst
117947850	117947850~NTP	are-bla_ch2	Activator	cca	hill
117947850	117947850~NTP	are-bla_ratio	Activator	cca	hill
117947850	117947850~NTP	are-bla_via	Inactive	cca	cnst
117976906	117976906~EPA	are-bla_ch1	Inactive	cca	cnst
117976906	117976906~EPA	are-bla_ch2	Activator	cca	gnls
117976906	117976906~EPA	are-bla_ratio	Activator	cca	gnls
117976906	117976906~EPA	are-bla_via	Inactive	cca	cnst
118230	118230~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
118230	118230~FDA	ap1-agonist_ch2	Activator	cca	hill
118230	118230~FDA	ap1-agonist_ratio	Activator	cca	hill
118230	118230~FDA	ap1-agonist_via	Inactive	cca	cnst
118292403	118292403~FDA	are-bla_ch1	Inactive	rfn	cnst
118292403	118292403~FDA	are-bla_ch2	Activator	rfn	hill
118292403	118292403~FDA	are-bla_ratio	Inactive	rfn	cnst
118292403	118292403~FDA	are-bla_via	Inactive	rfn	cnst
118409577	118409577~FDA	are-bla_ch1	Inactive	cca	cnst
118409577	118409577~FDA	are-bla_ch2	Activator	cca	hill
118409577	118409577~FDA	are-bla_ratio	Activator	cca	hill
118409577	118409577~FDA	are-bla_via	Inactive	cca	cnst
118558	118558~EPA	hse-bla_ch1	Repressor	cca	hill.inv
118558	118558~EPA	hse-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
118558	118558~EPA	hse-bla_ratio	Activator	cca	hill
118558	118558~EPA	hse-bla_via	Inactive	cca	cnst
118569	118569~FDA	ap1-agonist_ch1	Inactive	cca	cnst
118569	118569~FDA	ap1-agonist_ch2	Activator	cca	hill
118569	118569~FDA	ap1-agonist_ratio	Activator	cca	hill
118569	118569~FDA	ap1-agonist_via	Inactive	cca	cnst
118569	118569~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
118569	118569~NTP	ap1-agonist_ch2	Activator	cca	gnls
118569	118569~NTP	ap1-agonist_ratio	Activator	cca	gnls
118569	118569~NTP	ap1-agonist_via	Inactive	cca	cnst
118752	118752~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
118752	118752~EPA	ap1-agonist_ch2	Activator	cca	gnls
118752	118752~EPA	ap1-agonist_ratio	Activator	cca	gnls
118752	118752~EPA	ap1-agonist_via	Repressor	cca	hill.inv
118752	118752~EPA	are-bla_ch1	Repressor	rfp	hill.inv
118752	118752~EPA	are-bla_ch2	Inactive	rfp	hill.inv
118752	118752~EPA	are-bla_ratio	Activator	rfp	gnls
118752	118752~EPA	are-bla_via	Repressor	rfp	hill.inv
118752	118752~EPA	esre-bla_ch1	Repressor	EOC/PUC	hill.inv
118752	118752~EPA	esre-bla_ch2	Activator	EOC/PUC	hill
118752	118752~EPA	esre-bla_ratio	Activator	EOC/PUC	hill
118752	118752~EPA	esre-bla_via	Repressor	EOC/PUC	hill.inv
118752	118752~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
118752	118752~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
118752	118752~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
118752	118752~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
118752	118752~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
118752	118752~EPA	hse-bla_ch2	Activator	EOC	hill
118752	118752~EPA	hse-bla_ratio	Activator	EOC	hill
118752	118752~EPA	hse-bla_via	Inactive	EOC	cnst
118752	118752~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
118752	118752~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
118752	118752~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
118752	118752~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
118752	118752~EPA	p53-bla_ch1	Repressor	cca	hill.inv
118752	118752~EPA	p53-bla_ch2	Activator	cca	gnls
118752	118752~EPA	p53-bla_ratio	Activator	cca	gnls
118752	118752~EPA	p53-bla_via	Repressor	cca	hill.inv
118752	118752~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
118752	118752~NTP	ap1-agonist_ch2	Activator	cca	gnls
118752	118752~NTP	ap1-agonist_ratio	Activator	cca	gnls
118752	118752~NTP	ap1-agonist_via	Repressor	cca	hill.inv
118752	118752~NTP	are-bla_ch1	Repressor	cca	gnls.inv
118752	118752~NTP	are-bla_ch2	Activator	cca	gnls
118752	118752~NTP	are-bla_ratio	Activator	cca	gnls
118752	118752~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
118752	118752~NTP	esre-bla_ch1	Repressor	EOC/PUC	hill.inv
118752	118752~NTP	esre-bla_ch2	Activator	EOC/PUC	hill
118752	118752~NTP	esre-bla_ratio	Activator	EOC/PUC	hill
118752	118752~NTP	esre-bla_via	Repressor	EOC/PUC	hill.inv
118752	118752~NTP	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
118752	118752~NTP	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
118752	118752~NTP	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
118752	118752~NTP	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
118752	118752~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
118752	118752~NTP	hse-bla_ch2	Activator	EOC	hill
118752	118752~NTP	hse-bla_ratio	Activator	EOC	hill
118752	118752~NTP	hse-bla_via	Repressor	EOC	hill.inv
118752	118752~NTP	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
118752	118752~NTP	nfkb-bla-agonist_ch2	Activator	cca	gnls
118752	118752~NTP	nfkb-bla-agonist_ratio	Activator	cca	hill
118752	118752~NTP	nfkb-bla-agonist_via	Inactive	cca	cnst
118752	118752~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
118752	118752~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
118752	118752~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
118752	118752~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
118796	118796~EPA	are-bla_ch1	Repressor	cca	hill.inv
118796	118796~EPA	are-bla_ch2	Activator	cca	hill
118796	118796~EPA	are-bla_ratio	Activator	cca	hill
118796	118796~EPA	are-bla_via	Inactive	cca	cnst
118796	118796~NTP	p53-bla_ch1	Repressor	cca	hill.inv
118796	118796~NTP	p53-bla_ch2	Activator	cca	hill
118796	118796~NTP	p53-bla_ratio	Activator	cca	hill
118796	118796~NTP	p53-bla_via	Inactive	cca	cnst
1191500	1191500~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1191500	1191500~EPA	ap1-agonist_ch2	Activator	cca	gnls
1191500	1191500~EPA	ap1-agonist_ratio	Activator	cca	gnls
1191500	1191500~EPA	ap1-agonist_via	Repressor	cca	hill.inv
1191500	1191500~EPA	are-bla_ch1	Repressor	rfp	hill.inv
1191500	1191500~EPA	are-bla_ch2	Inactive	rfp	hill.inv
1191500	1191500~EPA	are-bla_ratio	Activator	rfp	hill
1191500	1191500~EPA	are-bla_via	Repressor	rfp	hill.inv
1191624	1191624~EPA	esre-bla_ch1	Repressor	cca	hill.inv
1191624	1191624~EPA	esre-bla_ch2	Activator	cca	gnls
1191624	1191624~EPA	esre-bla_ratio	Activator	cca	gnls
1191624	1191624~EPA	esre-bla_via	Repressor	cca	hill.inv
119168773	119168773~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
119168773	119168773~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
119168773	119168773~EPA	ap1-agonist_ratio	Activator	rfp	hill
119168773	119168773~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
119168773	119168773~EPA	are-bla_ch1	Complex	cca	gnls.inv
119168773	119168773~EPA	are-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
119168773	119168773~EPA	are-bla_ratio	Activator	cca	gnls
119168773	119168773~EPA	are-bla_via	Repressor	cca	hill.inv
119168773	119168773~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
119168773	119168773~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
119168773	119168773~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
119168773	119168773~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
119168773	119168773~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
119168773	119168773~EPA	hse-bla_ch2	Inactive	rfp	cnst
119168773	119168773~EPA	hse-bla_ratio	Activator	rfp	hill
119168773	119168773~EPA	hse-bla_via	Repressor	rfp	hill.inv
1192525	1192525~EPA	ap1-agonist_ch1	Repressor	rfn	hill.inv
1192525	1192525~EPA	ap1-agonist_ch2	Activator	rfn	gnls
1192525	1192525~EPA	ap1-agonist_ratio	Inactive	rfn	cnst
1192525	1192525~EPA	ap1-agonist_via	Repressor	rfn	hill.inv
1192525	1192525~EPA	are-bla_ch1	Repressor	cca	hill.inv
1192525	1192525~EPA	are-bla_ch2	Activator	cca	gnls
1192525	1192525~EPA	are-bla_ratio	Activator	cca	gnls
1192525	1192525~EPA	are-bla_via	Repressor	cca	hill.inv
1192525	1192525~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1192525	1192525~EPA	esre-bla_ch2	Inactive	rfp	cnst
1192525	1192525~EPA	esre-bla_ratio	Activator	rfp	hill
1192525	1192525~EPA	esre-bla_via	Repressor	rfp	hill.inv
1192525	1192525~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1192525	1192525~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1192525	1192525~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1192525	1192525~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1192525	1192525~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
1192525	1192525~EPA	hse-bla_ch2	Activator	EOC	gnls
1192525	1192525~EPA	hse-bla_ratio	Activator	EOC	hill
1192525	1192525~EPA	hse-bla_via	Repressor	EOC	hill.inv
1192525	1192525~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1192525	1192525~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1192525	1192525~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1192525	1192525~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1192525	1192525~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1192525	1192525~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
1192525	1192525~EPA	p53-bla_ratio	Activator	rfp	hill
1192525	1192525~EPA	p53-bla_via	Repressor	rfp	hill.inv
119313121	119313121~EPA	are-bla_ch1	Repressor	cca	hill.inv
119313121	119313121~EPA	are-bla_ch2	Activator	cca	gnls
119313121	119313121~EPA	are-bla_ratio	Activator	cca	gnls
119313121	119313121~EPA	are-bla_via	Inactive	cca	cnst
119346	119346~EPA	are-bla_ch1	Repressor	cca	hill.inv
119346	119346~EPA	are-bla_ch2	Activator	cca	hill
119346	119346~EPA	are-bla_ratio	Activator	cca	hill
119346	119346~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
119346	119346~FDA	are-bla_ch1	Repressor	cca	hill.inv
119346	119346~FDA	are-bla_ch2	Activator	cca	hill
119346	119346~FDA	are-bla_ratio	Activator	cca	hill
119346	119346~FDA	are-bla_via	Inactive	cca	cnst
119346	119346~NTP	are-bla_ch1	Repressor	EOC	hill.inv
119346	119346~NTP	are-bla_ch2	Activator	EOC	hill
119346	119346~NTP	are-bla_ratio	Activator	EOC	hill
119346	119346~NTP	are-bla_via	Inactive	EOC	cnst
119356773	119356773~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
119356773	119356773~FDA	ap1-agonist_ch2	Activator	cca	hill
119356773	119356773~FDA	ap1-agonist_ratio	Activator	cca	hill
119356773	119356773~FDA	ap1-agonist_via	Inactive	cca	cnst
119413546	119413546~FDA	esre-bla_ch1	Activator	rfn	hill
119413546	119413546~FDA	esre-bla_ch2	Activator	rfn	hill
119413546	119413546~FDA	esre-bla_ratio	Inactive	rfn	hill.inv
119413546	119413546~FDA	esre-bla_via	Repressor	rfn	hill.inv
119413546	119413546~FDA	p53-bla_ch1	Activator	cca	hill
119413546	119413546~FDA	p53-bla_ch2	Activator	cca	gnls
119413546	119413546~FDA	p53-bla_ratio	Activator	cca	gnls
119413546	119413546~FDA	p53-bla_via	Repressor	cca	hill.inv
119431253	119431253~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
119431253	119431253~FDA	ap1-agonist_ch2	Activator	cca	hill
119431253	119431253~FDA	ap1-agonist_ratio	Activator	cca	hill
119431253	119431253~FDA	ap1-agonist_via	Inactive	cca	cnst
119446683	119446683~EPA	are-bla_ch1	Inactive	cca	cnst
119446683	119446683~EPA	are-bla_ch2	Activator	cca	gnls
119446683	119446683~EPA	are-bla_ratio	Activator	cca	gnls
119446683	119446683~EPA	are-bla_via	Repressor	cca	hill.inv
119471	119471~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
119471	119471~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
119471	119471~EPA	ap1-agonist_ratio	Activator	rfp	hill
119471	119471~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
119471	119471~EPA	are-bla_ch1	Repressor	rfn	hill.inv
119471	119471~EPA	are-bla_ch2	Activator	rfn	gnls
119471	119471~EPA	are-bla_ratio	Inactive	rfn	cnst
119471	119471~EPA	are-bla_via	Repressor	rfn	hill.inv
119471	119471~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
119471	119471~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
119471	119471~EPA	esre-bla_ratio	Activator	rfp	hill
119471	119471~EPA	esre-bla_via	Repressor	rfp	hill.inv
119471	119471~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
119471	119471~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
119471	119471~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
119471	119471~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
119471	119471~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
119471	119471~EPA	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
119471	119471~EPA	hse-bla_ratio	Activator	rfp	hill
119471	119471~EPA	hse-bla_via	Repressor	rfp	hill.inv
119471	119471~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
119471	119471~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
119471	119471~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
119471	119471~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
119471	119471~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
119471	119471~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
119471	119471~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
119471	119471~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
119471	119471~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
119471	119471~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
119471	119471~NTP	ap1-agonist_ratio	Activator	rfp	hill
119471	119471~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
119471	119471~NTP	are-bla_ch1	Repressor	cca	hill.inv
119471	119471~NTP	are-bla_ch2	Activator	cca	gnls
119471	119471~NTP	are-bla_ratio	Activator	cca	gnls
119471	119471~NTP	are-bla_via	Repressor	cca	hill.inv
119471	119471~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
119471	119471~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
119471	119471~NTP	esre-bla_ratio	Activator	rfp	hill
119471	119471~NTP	esre-bla_via	Repressor	rfp	hill.inv
119471	119471~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
119471	119471~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
119471	119471~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
119471	119471~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
119471	119471~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
119471	119471~NTP	hse-bla_ch2	Inactive	rfp	cnst
119471	119471~NTP	hse-bla_ratio	Activator	rfp	hill
119471	119471~NTP	hse-bla_via	Repressor	rfp	hill.inv
119471	119471~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
119471	119471~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
119471	119471~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
119471	119471~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
119471	119471~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
119471	119471~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
119471	119471~NTP	p53-bla_ratio	Activator	rfp	hill
119471	119471~NTP	p53-bla_via	Repressor	rfp	hill.inv
119904	119904~EPA	are-bla_ch1	Repressor	EUC	hill.inv
119904	119904~EPA	are-bla_ch2	Activator	EUC	gnls
119904	119904~EPA	are-bla_ratio	Activator	EUC	hill
119904	119904~EPA	are-bla_via	Inactive	EUC	cnst
119904	119904~NTP	are-bla_ch1	Repressor	cca	hill.inv
119904	119904~NTP	are-bla_ch2	Activator	cca	hill
119904	119904~NTP	are-bla_ratio	Activator	cca	hill
119904	119904~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
119937	119937~EPA	are-bla_ch1	Inactive	cca	cnst
119937	119937~EPA	are-bla_ch2	Activator	cca	gnls
119937	119937~EPA	are-bla_ratio	Activator	cca	hill
119937	119937~EPA	are-bla_via	Inactive	cca	cnst
119937	119937~NTP	are-bla_ch1	Inactive	cca	cnst
119937	119937~NTP	are-bla_ch2	Activator	cca	gnls
119937	119937~NTP	are-bla_ratio	Activator	cca	hill
119937	119937~NTP	are-bla_via	Inactive	cca	cnst
120068373	120068373~EPA	are-bla_ch1	Inactive	cca	cnst
120068373	120068373~EPA	are-bla_ch2	Activator	cca	gnls
120068373	120068373~EPA	are-bla_ratio	Activator	cca	gnls
120068373	120068373~EPA	are-bla_via	Repressor	cca	hill.inv
120068373	120068373~FDA	are-bla_ch1	Inactive	cca	cnst
120068373	120068373~FDA	are-bla_ch2	Activator	cca	gnls
120068373	120068373~FDA	are-bla_ratio	Activator	cca	gnls
120068373	120068373~FDA	are-bla_via	Inactive	cca	cnst
120116883	120116883~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
120116883	120116883~EPA	ap1-agonist_ch2	Activator	cca	hill
120116883	120116883~EPA	ap1-agonist_ratio	Activator	cca	hill
120116883	120116883~EPA	ap1-agonist_via	Inactive	cca	cnst
120116883	120116883~EPA	are-bla_ch1	Inactive	cca	cnst
120116883	120116883~EPA	are-bla_ch2	Activator	cca	gnls
120116883	120116883~EPA	are-bla_ratio	Activator	cca	gnls
120116883	120116883~EPA	are-bla_via	Repressor	cca	hill.inv
120116883	120116883~EPA	hse-bla_ch1	Repressor	cca	hill.inv
120116883	120116883~EPA	hse-bla_ch2	Activator	cca	hill
120116883	120116883~EPA	hse-bla_ratio	Activator	cca	gnls
120116883	120116883~EPA	hse-bla_via	Inactive	cca	cnst
120116883	120116883~EPA	p53-bla_ch1	Repressor	cca	hill.inv
120116883	120116883~EPA	p53-bla_ch2	Activator	cca	gnls
120116883	120116883~EPA	p53-bla_ratio	Activator	cca	hill
120116883	120116883~EPA	p53-bla_via	Inactive	cca	cnst
120127	120127~EPA	esre-bla_ch1	Inactive	EUC	cnst
120127	120127~EPA	esre-bla_ch2	Activator	EUC	hill
120127	120127~EPA	esre-bla_ratio	Activator	EUC	hill
120127	120127~EPA	esre-bla_via	Inactive	EUC	cnst
120127	120127~NTP	esre-bla_ch1	Inactive	cca	cnst
120127	120127~NTP	esre-bla_ch2	Activator	cca	hill
120127	120127~NTP	esre-bla_ratio	Activator	cca	hill
120127	120127~NTP	esre-bla_via	Inactive	cca	cnst
120210482	120210482~FDA	p53-bla_ch1	Inactive	cca	cnst
120210482	120210482~FDA	p53-bla_ch2	Activator	cca	hill
120210482	120210482~FDA	p53-bla_ratio	Activator	cca	hill
120210482	120210482~FDA	p53-bla_via	Inactive	cca	cnst
120321	120321~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
120321	120321~EPA	ap1-agonist_ratio	Activator	rfp	hill
120321	120321~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
120321	120321~EPA	are-bla_ch1	Repressor	cca	hill.inv
120321	120321~EPA	are-bla_ch2	Activator	cca	gnls
120321	120321~EPA	are-bla_ratio	Activator	cca	gnls
120321	120321~EPA	are-bla_via	Repressor	cca	hill.inv
120321	120321~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
120321	120321~EPA	esre-bla_ch2	Inactive	rfp	cnst
120321	120321~EPA	esre-bla_ratio	Activator	rfp	hill
120321	120321~EPA	esre-bla_via	Repressor	rfp	hill.inv
120321	120321~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
120321	120321~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
120321	120321~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
120321	120321~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
120321	120321~EPA	hse-bla_ch2	Inactive	rfp	cnst
120321	120321~EPA	hse-bla_ratio	Activator	rfp	hill
120321	120321~EPA	hse-bla_via	Repressor	rfp	hill.inv
120321	120321~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
120321	120321~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
120321	120321~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
120321	120321~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
120321	120321~EPA	p53-bla_ch2	Inactive	rfp	cnst
120321	120321~EPA	p53-bla_ratio	Activator	rfp	hill
120321	120321~EPA	p53-bla_via	Repressor	rfp	hill.inv
120321	120321~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
120321	120321~FDA	ap1-agonist_ratio	Activator	rfp	hill
120321	120321~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
120321	120321~FDA	are-bla_ch1	Repressor	cca	hill.inv
120321	120321~FDA	are-bla_ch2	Activator	cca	gnls
120321	120321~FDA	are-bla_ratio	Activator	cca	gnls
120321	120321~FDA	are-bla_via	Repressor	cca	hill.inv
120321	120321~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
120321	120321~FDA	esre-bla_ch2	Inactive	rfp	cnst
120321	120321~FDA	esre-bla_ratio	Activator	rfp	hill
120321	120321~FDA	esre-bla_via	Repressor	rfp	hill.inv
120321	120321~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
120321	120321~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
120321	120321~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
120321	120321~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
120321	120321~FDA	hse-bla_ch2	Inactive	rfp	cnst
120321	120321~FDA	hse-bla_ratio	Activator	rfp	hill
120321	120321~FDA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
120321	120321~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
120321	120321~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
120321	120321~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
120321	120321~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
120321	120321~FDA	p53-bla_ch2	Inactive	rfp	cnst
120321	120321~FDA	p53-bla_ratio	Activator	rfp	hill
120321	120321~FDA	p53-bla_via	Repressor	rfp	hill.inv
120321	120321~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
120321	120321~NTP	ap1-agonist_ratio	Activator	rfp	hill
120321	120321~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
120321	120321~NTP	are-bla_ch1	Repressor	cca	hill.inv
120321	120321~NTP	are-bla_ch2	Activator	cca	gnls
120321	120321~NTP	are-bla_ratio	Activator	cca	gnls
120321	120321~NTP	are-bla_via	Repressor	cca	hill.inv
120321	120321~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
120321	120321~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
120321	120321~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
120321	120321~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
120321	120321~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
120321	120321~NTP	p53-bla_ch2	Inactive	rfp	cnst
120321	120321~NTP	p53-bla_ratio	Activator	rfp	hill
120321	120321~NTP	p53-bla_via	Repressor	rfp	hill.inv
120467	120467~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
120467	120467~EPA	ap1-agonist_ch2	Activator	cca	hill
120467	120467~EPA	ap1-agonist_ratio	Activator	cca	hill
120467	120467~EPA	ap1-agonist_via	Inactive	cca	cnst
120467	120467~EPA	are-bla_ch1	Repressor	cca	hill.inv
120467	120467~EPA	are-bla_ch2	Activator	cca	hill
120467	120467~EPA	are-bla_ratio	Activator	cca	hill
120467	120467~EPA	are-bla_via	Inactive	cca	cnst
120627	120627~NTP	are-bla_ch1	Repressor	cca	hill.inv
120627	120627~NTP	are-bla_ch2	Activator	cca	gnls
120627	120627~NTP	are-bla_ratio	Activator	cca	gnls
120627	120627~NTP	are-bla_via	Repressor	cca	hill.inv
120627	120627~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
120627	120627~NTP	hse-bla_ch2	Inactive	rfp	cnst
120627	120627~NTP	hse-bla_ratio	Activator	rfp	hill
120627	120627~NTP	hse-bla_via	Repressor	rfp	hill.inv
120785	120785~FDA	are-bla_ch1	Repressor	EOC	hill.inv
120785	120785~FDA	are-bla_ch2	Activator	EOC	hill
120785	120785~FDA	are-bla_ratio	Activator	EOC	hill
120785	120785~FDA	are-bla_via	Inactive	EOC	cnst
120809	120809~EPA	are-bla_ch1	Repressor	EOC	hill.inv
120809	120809~EPA	are-bla_ch2	Activator	EOC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
120809	120809~EPA	are-bla_ratio	Activator	EOC	hill
120809	120809~EPA	are-bla_via	Inactive	EOC	cnst
120809	120809~EPA	esre-bla_ch1	Activator	cca	hill
120809	120809~EPA	esre-bla_ch2	Activator	cca	gnls
120809	120809~EPA	esre-bla_ratio	Activator	cca	gnls
120809	120809~EPA	esre-bla_via	Inactive	cca	cnst
120809	120809~NTP	are-bla_ch1	Repressor	EOC	hill.inv
120809	120809~NTP	are-bla_ch2	Activator	EOC	hill
120809	120809~NTP	are-bla_ratio	Activator	EOC	hill
120809	120809~NTP	are-bla_via	Inactive	EOC	cnst
120809	120809~NTP	esre-bla_ch1	Activator	cca	hill
120809	120809~NTP	esre-bla_ch2	Activator	cca	gnls
120809	120809~NTP	esre-bla_ratio	Activator	cca	gnls
120809	120809~NTP	esre-bla_via	Inactive	cca	cnst
12083486	12083486~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
12083486	12083486~NTP	ap1-agonist_ch2	Activator	cca	gnls
12083486	12083486~NTP	ap1-agonist_ratio	Activator	cca	hill
12083486	12083486~NTP	ap1-agonist_via	Inactive	cca	cnst
12083486	12083486~NTP	are-bla_ch1	Inactive	cca	cnst
12083486	12083486~NTP	are-bla_ch2	Activator	cca	hill
12083486	12083486~NTP	are-bla_ratio	Activator	cca	hill
12083486	12083486~NTP	are-bla_via	Inactive	cca	cnst
12083486	12083486~NTP	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
12083486	12083486~NTP	nfkb-bla-agonist_ch2	Activator	cca	hill
12083486	12083486~NTP	nfkb-bla-agonist_ratio	Activator	cca	hill
12083486	12083486~NTP	nfkb-bla-agonist_via	Inactive	cca	cnst
12083486	12083486~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
12083486	12083486~NTP	p53-bla_ch2	Inactive	rfp	cnst
12083486	12083486~NTP	p53-bla_ratio	Activator	rfp	hill
12083486	12083486~NTP	p53-bla_via	Inactive	rfp	cnst
120956	120956~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
120956	120956~EPA	ap1-agonist_ch2	Activator	EOC	gnls
120956	120956~EPA	ap1-agonist_ratio	Activator	EOC	hill
120956	120956~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
120956	120956~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
120956	120956~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
120956	120956~EPA	esre-bla_ratio	Activator	rfp	hill
120956	120956~EPA	esre-bla_via	Repressor	rfp	hill.inv
120956	120956~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
120956	120956~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
120956	120956~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
120956	120956~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
120956	120956~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
120956	120956~EPA	hse-bla_ch2	Inactive	rfp	cnst
120956	120956~EPA	hse-bla_ratio	Activator	rfp	hill
120956	120956~EPA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
120956	120956~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
120956	120956~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
120956	120956~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
120956	120956~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
120956	120956~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
120956	120956~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
120956	120956~EPA	p53-bla_ratio	Activator	rfp	hill
120956	120956~EPA	p53-bla_via	Repressor	rfp	hill.inv
120956	120956~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
120956	120956~NTP	ap1-agonist_ch2	Activator	EOC	gnls
120956	120956~NTP	ap1-agonist_ratio	Activator	EOC	gnls
120956	120956~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
120956	120956~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
120956	120956~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
120956	120956~NTP	esre-bla_ratio	Activator	rfp	hill
120956	120956~NTP	esre-bla_via	Repressor	rfp	hill.inv
120956	120956~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
120956	120956~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
120956	120956~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
120956	120956~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
120956	120956~NTP	hse-bla_ch1	Repressor	rfp	gnls.inv
120956	120956~NTP	hse-bla_ch2	Inactive	rfp	cnst
120956	120956~NTP	hse-bla_ratio	Activator	rfp	gnls
120956	120956~NTP	hse-bla_via	Inactive	rfp	cnst
120956	120956~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
120956	120956~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
120956	120956~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
120956	120956~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
120956	120956~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
120956	120956~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
120956	120956~NTP	p53-bla_ratio	Activator	rfp	hill
120956	120956~NTP	p53-bla_via	Repressor	rfp	hill.inv
1210124	1210124~NTP	ap1-agonist_ch1	Inactive	cca	cnst
1210124	1210124~NTP	ap1-agonist_ch2	Activator	cca	hill
1210124	1210124~NTP	ap1-agonist_ratio	Activator	cca	gnls
1210124	1210124~NTP	ap1-agonist_via	Inactive	cca	cnst
1210124	1210124~NTP	are-bla_ch1	Activator	EUC/POC	hill
1210124	1210124~NTP	are-bla_ch2	Activator	EUC/POC	hill
1210124	1210124~NTP	are-bla_ratio	Activator	EUC/POC	hill
1210124	1210124~NTP	are-bla_via	Inactive	EUC/POC	cnst
1210124	1210124~NTP	esre-bla_ch1	Activator	EUC/POC	hill
1210124	1210124~NTP	esre-bla_ch2	Activator	EUC/POC	hill
1210124	1210124~NTP	esre-bla_ratio	Activator	EUC/POC	gnls
1210124	1210124~NTP	esre-bla_via	Inactive	EUC/POC	cnst
1210124	1210124~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
1210124	1210124~NTP	hre-bla-agonist_ch2	Activator	EUC	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
1210124	1210124~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
1210124	1210124~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
1210124	1210124~NTP	hse-bla_ch1	Activator	EUC	hill
1210124	1210124~NTP	hse-bla_ch2	Activator	EUC	hill
1210124	1210124~NTP	hse-bla_ratio	Activator	EUC	hill
1210124	1210124~NTP	hse-bla_via	Inactive	EUC	cnst
1210124	1210124~NTP	nfkb-bla-agonist_ch1	Activator	EUC/POC	hill
1210124	1210124~NTP	nfkb-bla-agonist_ch2	Activator	EUC/POC	hill
1210124	1210124~NTP	nfkb-bla-agonist_ratio	Activator	EUC/POC	hill
1210124	1210124~NTP	nfkb-bla-agonist_via	Inactive	EUC/POC	cnst
1210124	1210124~NTP	p53-bla_ch1	Activator	EUC	hill
1210124	1210124~NTP	p53-bla_ch2	Activator	EUC	hill
1210124	1210124~NTP	p53-bla_ratio	Activator	EUC	hill
1210124	1210124~NTP	p53-bla_via	Inactive	EUC	cnst
1210351	1210351~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1210351	1210351~FDA	ap1-agonist_ch2	Activator	cca	hill
1210351	1210351~FDA	ap1-agonist_ratio	Activator	cca	hill
1210351	1210351~FDA	ap1-agonist_via	Inactive	cca	cnst
1210351	1210351~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1210351	1210351~NTP	ap1-agonist_ch2	Activator	cca	hill
1210351	1210351~NTP	ap1-agonist_ratio	Activator	cca	hill
1210351	1210351~NTP	ap1-agonist_via	Inactive	cca	cnst
1210395	1210395~NTP	are-bla_ch1	Inactive	EUC	cnst
1210395	1210395~NTP	are-bla_ch2	Activator	EUC	hill
1210395	1210395~NTP	are-bla_ratio	Activator	EUC	hill
1210395	1210395~NTP	are-bla_via	Inactive	EUC	cnst
12108133	12108133~EPA	are-bla_ch1	Repressor	cca	hill.inv
12108133	12108133~EPA	are-bla_ch2	Activator	cca	hill
12108133	12108133~EPA	are-bla_ratio	Activator	cca	hill
12108133	12108133~EPA	are-bla_via	Inactive	cca	cnst
12108133	12108133~NTP	are-bla_ch1	Inactive	cca	cnst
12108133	12108133~NTP	are-bla_ch2	Activator	cca	hill
12108133	12108133~NTP	are-bla_ratio	Activator	cca	hill
12108133	12108133~NTP	are-bla_via	Inactive	cca	cnst
121107184	121107184~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
121107184	121107184~NTP	ap1-agonist_ch2	Activator	EOC	gnls
121107184	121107184~NTP	ap1-agonist_ratio	Activator	EOC	gnls
121107184	121107184~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
121107184	121107184~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
121107184	121107184~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
121107184	121107184~NTP	esre-bla_ratio	Activator	rfp	hill
121107184	121107184~NTP	esre-bla_via	Repressor	rfp	hill.inv
121107184	121107184~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
121107184	121107184~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
121107184	121107184~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
121107184	121107184~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
121107184	121107184~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
121107184	121107184~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
121107184	121107184~NTP	hse-bla_ratio	Activator	rfp	gnls
121107184	121107184~NTP	hse-bla_via	Repressor	rfp	hill.inv
121107184	121107184~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
121107184	121107184~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
121107184	121107184~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
121107184	121107184~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
121107184	121107184~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
121107184	121107184~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
121107184	121107184~NTP	p53-bla_ratio	Activator	rfp	gnls
121107184	121107184~NTP	p53-bla_via	Repressor	rfp	hill.inv
1212299	1212299~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1212299	1212299~EPA	ap1-agonist_ch2	Activator	cca	hill
1212299	1212299~EPA	ap1-agonist_ratio	Activator	cca	hill
1212299	1212299~EPA	ap1-agonist_via	Inactive	cca	cnst
1212299	1212299~EPA	are-bla_ch1	Inactive	EUC	cnst
1212299	1212299~EPA	are-bla_ch2	Activator	EUC	hill
1212299	1212299~EPA	are-bla_ratio	Activator	EUC	hill
1212299	1212299~EPA	are-bla_via	Inactive	EUC	cnst
1212299	1212299~EPA	hse-bla_ch1	Repressor	cca	hill.inv
1212299	1212299~EPA	hse-bla_ch2	Activator	cca	hill
1212299	1212299~EPA	hse-bla_ratio	Activator	cca	hill
1212299	1212299~EPA	hse-bla_via	Inactive	cca	cnst
1212299	1212299~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1212299	1212299~NTP	ap1-agonist_ch2	Activator	cca	hill
1212299	1212299~NTP	ap1-agonist_ratio	Activator	cca	hill
1212299	1212299~NTP	ap1-agonist_via	Inactive	cca	cnst
1212299	1212299~NTP	hse-bla_ch1	Inactive	cca	cnst
1212299	1212299~NTP	hse-bla_ch2	Activator	cca	gnls
1212299	1212299~NTP	hse-bla_ratio	Activator	cca	gnls
1212299	1212299~NTP	hse-bla_via	Inactive	cca	cnst
121391	121391~EPA	are-bla_ch1	Inactive	cca	cnst
121391	121391~EPA	are-bla_ch2	Activator	cca	hill
121391	121391~EPA	are-bla_ratio	Activator	cca	hill
121391	121391~EPA	are-bla_via	Inactive	cca	cnst
121540	121540~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
121540	121540~FDA	ap1-agonist_ch2	Activator	cca	gnls
121540	121540~FDA	ap1-agonist_ratio	Activator	cca	hill
121540	121540~FDA	ap1-agonist_via	Repressor	cca	hill.inv
121540	121540~FDA	are-bla_ch1	Repressor	cca	hill.inv
121540	121540~FDA	are-bla_ch2	Activator	cca	gnls
121540	121540~FDA	are-bla_ratio	Activator	cca	gnls
121540	121540~FDA	are-bla_via	Repressor	cca	hill.inv
121540	121540~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
121540	121540~FDA	esre-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
121540	121540~FDA	esre-bla_ratio	Activator	rfp	hill
121540	121540~FDA	esre-bla_via	Repressor	rfp	hill.inv
121540	121540~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
121540	121540~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
121540	121540~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
121540	121540~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
121540	121540~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
121540	121540~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
121540	121540~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
121540	121540~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
121540	121540~NTP	are-bla_ch1	Repressor	PUC	hill.inv
121540	121540~NTP	are-bla_ch2	Activator	PUC	gnls
121540	121540~NTP	are-bla_ratio	Activator	PUC	gnls
121540	121540~NTP	are-bla_via	Repressor	PUC	hill.inv
121540	121540~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
121540	121540~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
121540	121540~NTP	esre-bla_ratio	Activator	rfp	hill
121540	121540~NTP	esre-bla_via	Repressor	rfp	hill.inv
121540	121540~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
121540	121540~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
121540	121540~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
121540	121540~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
121540	121540~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
121540	121540~NTP	hse-bla_ch2	Inactive	rfp	cnst
121540	121540~NTP	hse-bla_ratio	Activator	rfp	hill
121540	121540~NTP	hse-bla_via	Repressor	rfp	hill.inv
121540	121540~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
121540	121540~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
121540	121540~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
121540	121540~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
121540	121540~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
121540	121540~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
121540	121540~NTP	p53-bla_ratio	Activator	rfp	hill
121540	121540~NTP	p53-bla_via	Repressor	rfp	hill.inv
121552612	121552612~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
121552612	121552612~EPA	ap1-agonist_ch2	Activator	EOC/PUC	hill
121552612	121552612~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
121552612	121552612~EPA	ap1-agonist_via	Inactive	EOC/PUC	cnst
121552612	121552612~EPA	are-bla_ch1	Inactive	cca	cnst
121552612	121552612~EPA	are-bla_ch2	Activator	cca	hill
121552612	121552612~EPA	are-bla_ratio	Activator	cca	hill
121552612	121552612~EPA	are-bla_via	Inactive	cca	cnst
121664	121664~EPA	are-bla_ch1	Inactive	cca	cnst
121664	121664~EPA	are-bla_ch2	Activator	cca	hill
121664	121664~EPA	are-bla_ratio	Activator	cca	hill
121664	121664~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
1216920181	1216920181~FDA	ap1-agonist_ch1	Inactive	cca	cnst
1216920181	1216920181~FDA	ap1-agonist_ch2	Activator	cca	hill
1216920181	1216920181~FDA	ap1-agonist_ratio	Activator	cca	hill
1216920181	1216920181~FDA	ap1-agonist_via	Inactive	cca	cnst
1216920181	1216920181~FDA	are-bla_ch1	Activator	EUC	hill
1216920181	1216920181~FDA	are-bla_ch2	Activator	EUC	hill
1216920181	1216920181~FDA	are-bla_ratio	Activator	EUC	hill
1216920181	1216920181~FDA	are-bla_via	Repressor	EUC	hill.inv
1216920181	1216920181~FDA	esre-bla_ch1	Inactive	EUC	cnst
1216920181	1216920181~FDA	esre-bla_ch2	Activator	EUC	hill
1216920181	1216920181~FDA	esre-bla_ratio	Activator	EUC	hill
1216920181	1216920181~FDA	esre-bla_via	Inactive	EUC	cnst
1216920181	1216920181~FDA	hre-bla-agonist_ch1	Activator	EUC	hill
1216920181	1216920181~FDA	hre-bla-agonist_ch2	Activator	EUC	hill
1216920181	1216920181~FDA	hre-bla-agonist_ratio	Activator	EUC	hill
1216920181	1216920181~FDA	hre-bla-agonist_via	Repressor	EUC	hill.inv
1216920181	1216920181~FDA	hse-bla_ch1	Inactive	EUC	cnst
1216920181	1216920181~FDA	hse-bla_ch2	Activator	EUC	hill
1216920181	1216920181~FDA	hse-bla_ratio	Activator	EUC	hill
1216920181	1216920181~FDA	hse-bla_via	Inactive	EUC	cnst
1216920181	1216920181~FDA	nfkb-bla-agonist_ch1	Inactive	EUC	cnst
1216920181	1216920181~FDA	nfkb-bla-agonist_ch2	Activator	EUC	hill
1216920181	1216920181~FDA	nfkb-bla-agonist_ratio	Activator	EUC	hill
1216920181	1216920181~FDA	nfkb-bla-agonist_via	Inactive	EUC	cnst
1216920181	1216920181~FDA	p53-bla_ch1	Activator	EUC	hill
1216920181	1216920181~FDA	p53-bla_ch2	Activator	EUC	hill
1216920181	1216920181~FDA	p53-bla_ratio	Activator	EUC	hill
1216920181	1216920181~FDA	p53-bla_via	Inactive	EUC	cnst
1217457812	1217457812~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1217457812	1217457812~FDA	ap1-agonist_ch2	Activator	cca	hill
1217457812	1217457812~FDA	ap1-agonist_ratio	Activator	cca	hill
1217457812	1217457812~FDA	ap1-agonist_via	Inactive	cca	cnst
1217457812	1217457812~FDA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
1217457812	1217457812~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
1217457812	1217457812~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
1217457812	1217457812~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
121755	121755~EPA	are-bla_ch1	Repressor	cca	hill.inv
121755	121755~EPA	are-bla_ch2	Activator	cca	hill
121755	121755~EPA	are-bla_ratio	Activator	cca	hill
121755	121755~EPA	are-bla_via	Inactive	cca	cnst
121755	121755~FDA	are-bla_ch1	Inactive	cca	cnst
121755	121755~FDA	are-bla_ch2	Activator	cca	hill
121755	121755~FDA	are-bla_ratio	Activator	cca	hill
121755	121755~FDA	are-bla_via	Inactive	cca	cnst
121755	121755~NTP	are-bla_ch1	Inactive	cca	cnst
121755	121755~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
121755	121755~NTP	are-bla_ratio	Activator	cca	hill
121755	121755~NTP	are-bla_via	Inactive	cca	cnst
121799	121799~EPA	are-bla_ch1	Repressor	cca	hill.inv
121799	121799~EPA	are-bla_ch2	Activator	cca	hill
121799	121799~EPA	are-bla_ratio	Activator	cca	hill
121799	121799~EPA	are-bla_via	Inactive	cca	cnst
121799	121799~EPA	esre-bla_ch1	Inactive	cca	cnst
121799	121799~EPA	esre-bla_ch2	Activator	cca	gnls
121799	121799~EPA	esre-bla_ratio	Activator	cca	gnls
121799	121799~EPA	esre-bla_via	Inactive	cca	cnst
121799	121799~NTP	are-bla_ch1	Repressor	cca	hill.inv
121799	121799~NTP	are-bla_ch2	Activator	cca	hill
121799	121799~NTP	are-bla_ratio	Activator	cca	gnls
121799	121799~NTP	are-bla_via	Inactive	cca	cnst
121813	121813~FDA	are-bla_ch1	Inactive	cca	cnst
121813	121813~FDA	are-bla_ch2	Activator	cca	hill
121813	121813~FDA	are-bla_ratio	Activator	cca	hill
121813	121813~FDA	are-bla_via	Inactive	cca	cnst
121880	121880~EPA	are-bla_ch1	Repressor	cca	hill.inv
121880	121880~EPA	are-bla_ch2	Activator	cca	gnls
121880	121880~EPA	are-bla_ratio	Activator	cca	hill
121880	121880~EPA	are-bla_via	Inactive	cca	cnst
121880	121880~FDA	are-bla_ch1	Repressor	cca	hill.inv
121880	121880~FDA	are-bla_ch2	Activator	cca	gnls
121880	121880~FDA	are-bla_ratio	Activator	cca	hill
121880	121880~FDA	are-bla_via	Inactive	cca	cnst
121880	121880~NTP	are-bla_ch1	Repressor	cca	hill.inv
121880	121880~NTP	are-bla_ch2	Activator	cca	gnls
121880	121880~NTP	are-bla_ratio	Activator	cca	hill
121880	121880~NTP	are-bla_via	Inactive	cca	cnst
1219381	1219381~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1219381	1219381~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1219381	1219381~EPA	ap1-agonist_ratio	Activator	rfp	hill
1219381	1219381~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1219381	1219381~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1219381	1219381~EPA	esre-bla_ch2	Inactive	rfp	cnst
1219381	1219381~EPA	esre-bla_ratio	Activator	rfp	hill
1219381	1219381~EPA	esre-bla_via	Repressor	rfp	hill.inv
1219381	1219381~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1219381	1219381~EPA	hse-bla_ch2	Inactive	rfp	cnst
1219381	1219381~EPA	hse-bla_ratio	Activator	rfp	hill
1219381	1219381~EPA	hse-bla_via	Repressor	rfp	hill.inv
1219381	1219381~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1219381	1219381~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1219381	1219381~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1219381	1219381~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1219381	1219381~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1219381	1219381~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
1219381	1219381~NTP	ap1-agonist_ratio	Activator	rfp	hill
1219381	1219381~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
1219381	1219381~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1219381	1219381~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1219381	1219381~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1219381	1219381~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1219381	1219381~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
1219381	1219381~NTP	hse-bla_ch2	Inactive	rfp	cnst
1219381	1219381~NTP	hse-bla_ratio	Activator	rfp	hill
1219381	1219381~NTP	hse-bla_via	Repressor	rfp	hill.inv
1219381	1219381~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1219381	1219381~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1219381	1219381~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1219381	1219381~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
122111039	122111039~FDA	p53-bla_ch1	Repressor	cca	hill.inv
122111039	122111039~FDA	p53-bla_ch2	Activator	cca	hill
122111039	122111039~FDA	p53-bla_ratio	Activator	cca	hill
122111039	122111039~FDA	p53-bla_via	Inactive	cca	cnst
122189	122189~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
122189	122189~EPA	ap1-agonist_ch2	Activator	cca	gnls
122189	122189~EPA	ap1-agonist_ratio	Activator	cca	gnls
122189	122189~EPA	ap1-agonist_via	Repressor	cca	hill.inv
122189	122189~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
122189	122189~EPA	esre-bla_ch2	Inactive	rfp	cnst
122189	122189~EPA	esre-bla_ratio	Activator	rfp	hill
122189	122189~EPA	esre-bla_via	Repressor	rfp	hill.inv
122189	122189~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
122189	122189~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
122189	122189~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
122189	122189~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
122189	122189~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
122189	122189~EPA	hse-bla_ch2	Inactive	rfp	cnst
122189	122189~EPA	hse-bla_ratio	Activator	rfp	hill
122189	122189~EPA	hse-bla_via	Repressor	rfp	hill.inv
122189	122189~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
122189	122189~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
122189	122189~EPA	p53-bla_ratio	Activator	rfp	hill
122189	122189~EPA	p53-bla_via	Repressor	rfp	hill.inv
122189	122189~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
122189	122189~FDA	ap1-agonist_ch2	Activator	cca	gnls
122189	122189~FDA	ap1-agonist_ratio	Activator	cca	gnls
122189	122189~FDA	ap1-agonist_via	Repressor	cca	hill.inv
122189	122189~FDA	are-bla_ch1	Repressor	cca	hill.inv
122189	122189~FDA	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
122189	122189~FDA	are-bla_ratio	Activator	cca	gnls
122189	122189~FDA	are-bla_via	Repressor	cca	hill.inv
122189	122189~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
122189	122189~FDA	p53-bla_ch2	Inactive	rfp	cnst
122189	122189~FDA	p53-bla_ratio	Activator	rfp	hill
122189	122189~FDA	p53-bla_via	Repressor	rfp	hill.inv
122190	122190~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
122190	122190~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
122190	122190~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
122190	122190~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
122190	122190~NTP	are-bla_ch1	Repressor	cca	hill.inv
122190	122190~NTP	are-bla_ch2	Activator	cca	gnls
122190	122190~NTP	are-bla_ratio	Activator	cca	gnls
122190	122190~NTP	are-bla_via	Repressor	cca	hill.inv
122190	122190~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
122190	122190~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
122190	122190~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
122190	122190~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
122190	122190~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
122190	122190~NTP	hse-bla_ch2	Inactive	rfp	cnst
122190	122190~NTP	hse-bla_ratio	Activator	rfp	hill
122190	122190~NTP	hse-bla_via	Repressor	rfp	hill.inv
122190	122190~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
122190	122190~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
122190	122190~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
122190	122190~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
122190	122190~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
122190	122190~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
122190	122190~NTP	p53-bla_ratio	Activator	rfp	hill
122190	122190~NTP	p53-bla_via	Repressor	rfp	hill.inv
1222986	1222986~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
1222986	1222986~NTP	ap1-agonist_ch2	Activator	EOC	hill
1222986	1222986~NTP	ap1-agonist_ratio	Activator	EOC	hill
1222986	1222986~NTP	ap1-agonist_via	Inactive	EOC	cnst
1222986	1222986~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1222986	1222986~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
1222986	1222986~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
1222986	1222986~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
122341382	122341382~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
122341382	122341382~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
122341382	122341382~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
122341382	122341382~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
122341382	122341382~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
122341382	122341382~FDA	p53-bla_ch2	Inactive	rfp	cnst
122341382	122341382~FDA	p53-bla_ratio	Activator	rfp	hill
122341382	122341382~FDA	p53-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
122372	122372~EPA	are-bla_ch1	Inactive	cca	cnst
122372	122372~EPA	are-bla_ch2	Activator	cca	hill
122372	122372~EPA	are-bla_ratio	Activator	cca	hill
122372	122372~EPA	are-bla_via	Inactive	cca	cnst
122394	122394~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
122394	122394~EPA	ap1-agonist_ch2	Activator	cca	hill
122394	122394~EPA	ap1-agonist_ratio	Activator	cca	hill
122394	122394~EPA	ap1-agonist_via	Inactive	cca	cnst
122453730	122453730~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
122453730	122453730~EPA	ap1-agonist_ch2	Activator	EOC	hill
122453730	122453730~EPA	ap1-agonist_ratio	Activator	EOC	hill
122453730	122453730~EPA	ap1-agonist_via	Inactive	EOC	cnst
122453730	122453730~EPA	are-bla_ch1	Activator	rfn	hill
122453730	122453730~EPA	are-bla_ch2	Activator	rfn	gnls
122453730	122453730~EPA	are-bla_ratio	Inactive	rfn	hill.inv
122453730	122453730~EPA	are-bla_via	Inactive	rfn	cnst
122453730	122453730~EPA	hse-bla_ch1	Repressor	cca	hill.inv
122453730	122453730~EPA	hse-bla_ch2	Activator	cca	gnls
122453730	122453730~EPA	hse-bla_ratio	Activator	cca	gnls
122453730	122453730~EPA	hse-bla_via	Repressor	cca	hill.inv
122453730	122453730~EPA	p53-bla_ch1	Repressor	cca	hill.inv
122453730	122453730~EPA	p53-bla_ch2	Activator	cca	gnls
122453730	122453730~EPA	p53-bla_ratio	Activator	cca	hill
122453730	122453730~EPA	p53-bla_via	Repressor	cca	hill.inv
122454299	122454299~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
122454299	122454299~NTP	ap1-agonist_ch2	Activator	cca	hill
122454299	122454299~NTP	ap1-agonist_ratio	Activator	cca	hill
122454299	122454299~NTP	ap1-agonist_via	Inactive	cca	cnst
122645	122645~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	gnls.inv
122645	122645~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
122645	122645~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
122645	122645~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
122645	122645~EPA	are-bla_ch1	Repressor	rfp	hill.inv
122645	122645~EPA	are-bla_ch2	Inactive	rfp	gnls.inv
122645	122645~EPA	are-bla_ratio	Activator	rfp	gnls
122645	122645~EPA	are-bla_via	Repressor	rfp	hill.inv
122645	122645~EPA	esre-bla_ch1	Repressor	EOC	hill.inv
122645	122645~EPA	esre-bla_ch2	Activator	EOC	hill
122645	122645~EPA	esre-bla_ratio	Activator	EOC	gnls
122645	122645~EPA	esre-bla_via	Repressor	EOC	hill.inv
122645	122645~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
122645	122645~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
122645	122645~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
122645	122645~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
122645	122645~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
122645	122645~EPA	hse-bla_ch2	Activator	EOC	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
122645	122645~EPA	hse-bla_ratio	Activator	EOC	gnls
122645	122645~EPA	hse-bla_via	Repressor	EOC	hill.inv
122645	122645~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
122645	122645~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
122645	122645~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
122645	122645~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
122645	122645~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
122645	122645~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
122645	122645~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
122645	122645~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
122690	122690~EPA	are-bla_ch1	Repressor	cca	hill.inv
122690	122690~EPA	are-bla_ch2	Activator	cca	hill
122690	122690~EPA	are-bla_ratio	Activator	cca	hill
122690	122690~EPA	are-bla_via	Inactive	cca	cnst
122703	122703~EPA	are-bla_ch1	Inactive	EUC	cnst
122703	122703~EPA	are-bla_ch2	Activator	EUC	hill
122703	122703~EPA	are-bla_ratio	Activator	EUC	hill
122703	122703~EPA	are-bla_via	Inactive	EUC	cnst
122781	122781~NTP	are-bla_ch1	Inactive	cca	cnst
122781	122781~NTP	are-bla_ch2	Activator	cca	hill
122781	122781~NTP	are-bla_ratio	Activator	cca	hill
122781	122781~NTP	are-bla_via	Inactive	cca	cnst
1229294	1229294~FDA	ap1-agonist_ch1	Inactive	cca	cnst
1229294	1229294~FDA	ap1-agonist_ch2	Activator	cca	hill
1229294	1229294~FDA	ap1-agonist_ratio	Activator	cca	hill
1229294	1229294~FDA	ap1-agonist_via	Inactive	cca	cnst
123035	123035~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
123035	123035~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
123035	123035~EPA	ap1-agonist_ratio	Activator	rfp	hill
123035	123035~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
123035	123035~EPA	are-bla_ch1	Repressor	cca	hill.inv
123035	123035~EPA	are-bla_ch2	Activator	cca	gnls
123035	123035~EPA	are-bla_ratio	Activator	cca	gnls
123035	123035~EPA	are-bla_via	Repressor	cca	hill.inv
123035	123035~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
123035	123035~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
123035	123035~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
123035	123035~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
123035	123035~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
123035	123035~EPA	hse-bla_ch2	Inactive	rfp	cnst
123035	123035~EPA	hse-bla_ratio	Activator	rfp	hill
123035	123035~EPA	hse-bla_via	Repressor	rfp	hill.inv
123035	123035~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
123035	123035~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
123035	123035~EPA	p53-bla_ratio	Activator	rfp	hill
123035	123035~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
123122554	123122554~EPA	are-bla_ch1	Inactive	cca	cnst
123122554	123122554~EPA	are-bla_ch2	Activator	cca	hill
123122554	123122554~EPA	are-bla_ratio	Activator	cca	hill
123122554	123122554~EPA	are-bla_via	Inactive	cca	cnst
123308	123308~FDA	are-bla_ch1	Inactive	cca	cnst
123308	123308~FDA	are-bla_ch2	Activator	cca	hill
123308	123308~FDA	are-bla_ratio	Activator	cca	hill
123308	123308~FDA	are-bla_via	Inactive	cca	cnst
123308	123308~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
123308	123308~FDA	p53-bla_ch2	Activator	EOC	hill
123308	123308~FDA	p53-bla_ratio	Activator	EOC	hill
123308	123308~FDA	p53-bla_via	Repressor	EOC	hill.inv
123308	123308~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
123308	123308~NTP	ap1-agonist_ch2	Activator	cca	gnls
123308	123308~NTP	ap1-agonist_ratio	Activator	cca	gnls
123308	123308~NTP	ap1-agonist_via	Repressor	cca	hill.inv
123308	123308~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
123308	123308~NTP	hse-bla_ch2	Inactive	rfp	cnst
123308	123308~NTP	hse-bla_ratio	Activator	rfp	hill
123308	123308~NTP	hse-bla_via	Repressor	rfp	hill.inv
123308	123308~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
123308	123308~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
123308	123308~NTP	p53-bla_ratio	Activator	rfp	hill
123308	123308~NTP	p53-bla_via	Repressor	rfp	hill.inv
123318821	123318821~FDA	are-bla_ch1	Repressor	cca	hill.inv
123318821	123318821~FDA	are-bla_ch2	Activator	cca	hill
123318821	123318821~FDA	are-bla_ratio	Activator	cca	hill
123318821	123318821~FDA	are-bla_via	Inactive	cca	cnst
123318821	123318821~FDA	p53-bla_ch1	Repressor	cca	hill.inv
123318821	123318821~FDA	p53-bla_ch2	Activator	cca	gnls
123318821	123318821~FDA	p53-bla_ratio	Activator	cca	hill
123318821	123318821~FDA	p53-bla_via	Repressor	cca	hill.inv
123319	123319~EPA	are-bla_ch1	Repressor	cca	gnls.inv
123319	123319~EPA	are-bla_ch2	Activator	cca	hill
123319	123319~EPA	are-bla_ratio	Activator	cca	gnls
123319	123319~EPA	are-bla_via	Inactive	cca	cnst
123319	123319~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
123319	123319~EPA	p53-bla_ch2	Inactive	rfp	cnst
123319	123319~EPA	p53-bla_ratio	Activator	rfp	hill
123319	123319~EPA	p53-bla_via	Repressor	rfp	hill.inv
123319	123319~FDA	are-bla_ch1	Repressor	cca	hill.inv
123319	123319~FDA	are-bla_ch2	Activator	cca	hill
123319	123319~FDA	are-bla_ratio	Activator	cca	gnls
123319	123319~FDA	are-bla_via	Inactive	cca	cnst
123319	123319~FDA	esre-bla_ch1	Activator	rfn	hill
123319	123319~FDA	esre-bla_ch2	Activator	rfn	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
123319	123319~FDA	esre-bla_ratio	Inactive	rfn	cnst
123319	123319~FDA	esre-bla_via	Inactive	rfn	cnst
123319	123319~NTP	are-bla_ch1	Repressor	cca	gnls.inv
123319	123319~NTP	are-bla_ch2	Activator	cca	hill
123319	123319~NTP	are-bla_ratio	Activator	cca	gnls
123319	123319~NTP	are-bla_via	Inactive	cca	cnst
123319	123319~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
123319	123319~NTP	p53-bla_ch2	Inactive	rfp	cnst
123319	123319~NTP	p53-bla_ratio	Activator	rfp	hill
123319	123319~NTP	p53-bla_via	Repressor	rfp	hill.inv
12333562	12333562~EPA	ap1-agonist_ch1	Repressor	POC	hill.inv
12333562	12333562~EPA	ap1-agonist_ch2	Activator	POC	gnls
12333562	12333562~EPA	ap1-agonist_ratio	Activator	POC	hill
12333562	12333562~EPA	ap1-agonist_via	Repressor	POC	hill.inv
12333562	12333562~EPA	are-bla_ch1	Repressor	cca	hill.inv
12333562	12333562~EPA	are-bla_ch2	Activator	cca	gnls
12333562	12333562~EPA	are-bla_ratio	Activator	cca	gnls
12333562	12333562~EPA	are-bla_via	Repressor	cca	hill.inv
12333562	12333562~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
12333562	12333562~EPA	p53-bla_ch2	Activator	EOC	hill
12333562	12333562~EPA	p53-bla_ratio	Activator	EOC	hill
12333562	12333562~EPA	p53-bla_via	Repressor	EOC	hill.inv
123353	123353~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
123353	123353~EPA	ap1-agonist_ch2	Activator	EOC	hill
123353	123353~EPA	ap1-agonist_ratio	Activator	EOC	hill
123353	123353~EPA	ap1-agonist_via	Inactive	EOC	cnst
123524527	123524527~FDA	are-bla_ch1	Repressor	cca	hill.inv
123524527	123524527~FDA	are-bla_ch2	Activator	cca	gnls
123524527	123524527~FDA	are-bla_ratio	Activator	cca	gnls
123524527	123524527~FDA	are-bla_via	Repressor	cca	hill.inv
123524527	123524527~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
123524527	123524527~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
123524527	123524527~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
123524527	123524527~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
123524527	123524527~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
123524527	123524527~FDA	hse-bla_ch2	Inactive	rfp	cnst
123524527	123524527~FDA	hse-bla_ratio	Activator	rfp	hill
123524527	123524527~FDA	hse-bla_via	Repressor	rfp	hill.inv
123524527	123524527~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
123524527	123524527~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
123524527	123524527~FDA	p53-bla_ratio	Activator	rfp	hill
123524527	123524527~FDA	p53-bla_via	Repressor	rfp	hill.inv
123626	123626~NTP	are-bla_ch1	Inactive	rfn	cnst
123626	123626~NTP	are-bla_ch2	Activator	rfn	hill
123626	123626~NTP	are-bla_ratio	Inactive	rfn	cnst
123626	123626~NTP	are-bla_via	Inactive	rfn	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
123819	123819~EPA	ap1-agonist_ch1	Inactive	cca	cnst
123819	123819~EPA	ap1-agonist_ch2	Activator	cca	hill
123819	123819~EPA	ap1-agonist_ratio	Activator	cca	hill
123819	123819~EPA	ap1-agonist_via	Inactive	cca	cnst
1239298	1239298~FDA	are-bla_ch1	Inactive	EUC	cnst
1239298	1239298~FDA	are-bla_ch2	Activator	EUC	hill
1239298	1239298~FDA	are-bla_ratio	Activator	EUC	hill
1239298	1239298~FDA	are-bla_via	Inactive	EUC	cnst
1239458	1239458~FDA	are-bla_ch1	Repressor	cca	gnls.inv
1239458	1239458~FDA	are-bla_ch2	Activator	cca	gnls
1239458	1239458~FDA	are-bla_ratio	Activator	cca	gnls
1239458	1239458~FDA	are-bla_via	Inactive	cca	cnst
1239458	1239458~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
1239458	1239458~FDA	p53-bla_ch2	Activator	EOC	hill
1239458	1239458~FDA	p53-bla_ratio	Activator	EOC	gnls
1239458	1239458~FDA	p53-bla_via	Inactive	EOC	cnst
1239458	1239458~NTP	are-bla_ch1	Repressor	cca	gnls.inv
1239458	1239458~NTP	are-bla_ch2	Activator	cca	gnls
1239458	1239458~NTP	are-bla_ratio	Activator	cca	gnls
1239458	1239458~NTP	are-bla_via	Inactive	cca	cnst
1239458	1239458~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1239458	1239458~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
1239458	1239458~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1239458	1239458~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1239458	1239458~NTP	p53-bla_ch1	Repressor	cca	hill.inv
1239458	1239458~NTP	p53-bla_ch2	Activator	cca	gnls
1239458	1239458~NTP	p53-bla_ratio	Activator	cca	gnls
1239458	1239458~NTP	p53-bla_via	Inactive	cca	cnst
124038	124038~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
124038	124038~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
124038	124038~EPA	ap1-agonist_ratio	Activator	rfp	hill
124038	124038~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
124038	124038~EPA	are-bla_ch1	Repressor	cca	hill.inv
124038	124038~EPA	are-bla_ch2	Activator	cca	gnls
124038	124038~EPA	are-bla_ratio	Activator	cca	gnls
124038	124038~EPA	are-bla_via	Repressor	cca	hill.inv
124038	124038~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
124038	124038~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
124038	124038~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
124038	124038~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
124038	124038~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
124038	124038~EPA	hse-bla_ch2	Inactive	rfp	cnst
124038	124038~EPA	hse-bla_ratio	Activator	rfp	hill
124038	124038~EPA	hse-bla_via	Repressor	rfp	hill.inv
124038	124038~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
124038	124038~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
124038	124038~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
124038	124038~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
124038	124038~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
124038	124038~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
124038	124038~EPA	p53-bla_ratio	Activator	rfp	hill
124038	124038~EPA	p53-bla_via	Repressor	rfp	hill.inv
124038	124038~FDA	are-bla_ch1	Repressor	cca	hill.inv
124038	124038~FDA	are-bla_ch2	Activator	cca	gnls
124038	124038~FDA	are-bla_ratio	Activator	cca	gnls
124038	124038~FDA	are-bla_via	Repressor	cca	hill.inv
124038	124038~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
124038	124038~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
124038	124038~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
124038	124038~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
124038	124038~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
124038	124038~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
124038	124038~FDA	p53-bla_ratio	Activator	rfp	hill
124038	124038~FDA	p53-bla_via	Repressor	rfp	hill.inv
124221	124221~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
124221	124221~NTP	ap1-agonist_ch2	Activator	cca	hill
124221	124221~NTP	ap1-agonist_ratio	Activator	cca	hill
124221	124221~NTP	ap1-agonist_via	Inactive	cca	cnst
12427382	12427382~EPA	are-bla_ch1	Repressor	cca	hill.inv
12427382	12427382~EPA	are-bla_ch2	Activator	cca	hill
12427382	12427382~EPA	are-bla_ratio	Activator	cca	hill
12427382	12427382~EPA	are-bla_via	Inactive	cca	cnst
1244764	1244764~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1244764	1244764~EPA	ap1-agonist_ch2	Activator	cca	hill
1244764	1244764~EPA	ap1-agonist_ratio	Activator	cca	hill
1244764	1244764~EPA	ap1-agonist_via	Inactive	cca	cnst
124495187	124495187~EPA	are-bla_ch1	Repressor	cca	hill.inv
124495187	124495187~EPA	are-bla_ch2	Activator	cca	hill
124495187	124495187~EPA	are-bla_ratio	Activator	cca	hill
124495187	124495187~EPA	are-bla_via	Inactive	cca	cnst
124641	124641~EPA	are-bla_ch1	Repressor	cca	hill.inv
124641	124641~EPA	are-bla_ch2	Activator	cca	hill
124641	124641~EPA	are-bla_ratio	Activator	cca	hill
124641	124641~EPA	are-bla_via	Inactive	cca	cnst
124641	124641~EPA	esre-bla_ch1	Repressor	cca	hill.inv
124641	124641~EPA	esre-bla_ch2	Activator	cca	gnls
124641	124641~EPA	esre-bla_ratio	Activator	cca	gnls
124641	124641~EPA	esre-bla_via	Inactive	cca	cnst
124937515	124937515~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
124937515	124937515~FDA	ap1-agonist_ch2	Activator	cca	hill
124937515	124937515~FDA	ap1-agonist_ratio	Activator	cca	hill
124937515	124937515~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
125116236	125116236~EPA	are-bla_ch1	Repressor	PUC	hill.inv
125116236	125116236~EPA	are-bla_ch2	Activator	PUC	gnls
125116236	125116236~EPA	are-bla_ratio	Activator	PUC	hill
125116236	125116236~EPA	are-bla_via	Inactive	PUC	cnst
125133	125133~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
125133	125133~EPA	ap1-agonist_ch2	Activator	cca	gnls
125133	125133~EPA	ap1-agonist_ratio	Activator	cca	gnls
125133	125133~EPA	ap1-agonist_via	Repressor	cca	gnls.inv
125133	125133~EPA	are-bla_ch1	Activator	rfn	hill
125133	125133~EPA	are-bla_ch2	Activator	rfn	hill
125133	125133~EPA	are-bla_ratio	Inactive	rfn	cnst
125133	125133~EPA	are-bla_via	Inactive	rfn	cnst
125133	125133~EPA	p53-bla_ch1	Repressor	cca	hill.inv
125133	125133~EPA	p53-bla_ch2	Activator	cca	gnls
125133	125133~EPA	p53-bla_ratio	Activator	cca	gnls
125133	125133~EPA	p53-bla_via	Repressor	cca	hill.inv
125133	125133~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
125133	125133~FDA	ap1-agonist_ch2	Activator	cca	gnls
125133	125133~FDA	ap1-agonist_ratio	Activator	cca	gnls
125133	125133~FDA	ap1-agonist_via	Repressor	cca	hill.inv
125225287	125225287~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
125225287	125225287~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
125225287	125225287~EPA	ap1-agonist_ratio	Activator	rfp	hill
125225287	125225287~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
125225287	125225287~EPA	are-bla_ch1	Inactive	cca	cnst
125225287	125225287~EPA	are-bla_ch2	Activator	cca	gnls
125225287	125225287~EPA	are-bla_ratio	Activator	cca	gnls
125225287	125225287~EPA	are-bla_via	Repressor	cca	hill.inv
125225287	125225287~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
125225287	125225287~EPA	p53-bla_ch2	Inactive	rfp	cnst
125225287	125225287~EPA	p53-bla_ratio	Activator	rfp	hill
125225287	125225287~EPA	p53-bla_via	Repressor	rfp	hill.inv
125317397	125317397~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
125317397	125317397~FDA	ap1-agonist_ch2	Activator	cca	hill
125317397	125317397~FDA	ap1-agonist_ratio	Activator	cca	hill
125317397	125317397~FDA	ap1-agonist_via	Inactive	cca	cnst
125317397	125317397~FDA	are-bla_ch1	Repressor	cca	gnls.inv
125317397	125317397~FDA	are-bla_ch2	Activator	cca	gnls
125317397	125317397~FDA	are-bla_ratio	Activator	cca	gnls
125317397	125317397~FDA	are-bla_via	Inactive	cca	cnst
125317397	125317397~FDA	p53-bla_ch1	Inactive	cca	cnst
125317397	125317397~FDA	p53-bla_ch2	Activator	cca	gnls
125317397	125317397~FDA	p53-bla_ratio	Activator	cca	gnls
125317397	125317397~FDA	p53-bla_via	Inactive	cca	cnst
125791	125791~FDA	ap1-agonist_ch1	Inactive	cca	cnst
125791	125791~FDA	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
125791	125791~FDA	ap1-agonist_ratio	Activator	cca	hill
125791	125791~FDA	ap1-agonist_via	Inactive	cca	cnst
126067	126067~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
126067	126067~EPA	ap1-agonist_ch2	Activator	cca	gnls
126067	126067~EPA	ap1-agonist_ratio	Activator	cca	hill
126067	126067~EPA	ap1-agonist_via	Inactive	cca	cnst
126078	126078~EPA	p53-bla_ch1	Inactive	cca	cnst
126078	126078~EPA	p53-bla_ch2	Activator	cca	hill
126078	126078~EPA	p53-bla_ratio	Activator	cca	hill
126078	126078~EPA	p53-bla_via	Inactive	cca	cnst
126078	126078~FDA	p53-bla_ch1	Inactive	cca	cnst
126078	126078~FDA	p53-bla_ch2	Activator	cca	hill
126078	126078~FDA	p53-bla_ratio	Activator	cca	hill
126078	126078~FDA	p53-bla_via	Inactive	cca	cnst
126078	126078~NTP	p53-bla_ch1	Inactive	cca	cnst
126078	126078~NTP	p53-bla_ch2	Activator	cca	hill
126078	126078~NTP	p53-bla_ratio	Activator	cca	hill
126078	126078~NTP	p53-bla_via	Inactive	cca	cnst
126114	126114~EPA	are-bla_ch1	Repressor	cca	hill.inv
126114	126114~EPA	are-bla_ch2	Activator	cca	hill
126114	126114~EPA	are-bla_ratio	Activator	cca	hill
126114	126114~EPA	are-bla_via	Inactive	cca	cnst
126114	126114~NTP	are-bla_ch1	Inactive	cca	cnst
126114	126114~NTP	are-bla_ch2	Activator	cca	hill
126114	126114~NTP	are-bla_ratio	Activator	cca	hill
126114	126114~NTP	are-bla_via	Inactive	cca	cnst
126272	126272~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
126272	126272~FDA	ap1-agonist_ch2	Activator	cca	hill
126272	126272~FDA	ap1-agonist_ratio	Activator	cca	hill
126272	126272~FDA	ap1-agonist_via	Inactive	cca	cnst
12645317	12645317~NTP	ap1-agonist_ch1	Inactive	rfp	cnst
12645317	12645317~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
12645317	12645317~NTP	ap1-agonist_ratio	Activator	rfp	hill
12645317	12645317~NTP	ap1-agonist_via	Inactive	rfp	cnst
12645317	12645317~NTP	are-bla_ch1	Inactive	PUC	cnst
12645317	12645317~NTP	are-bla_ch2	Activator	PUC	hill
12645317	12645317~NTP	are-bla_ratio	Activator	PUC	hill
12645317	12645317~NTP	are-bla_via	Inactive	PUC	cnst
126647	126647~EPA	ap1-agonist_ch1	Inactive	cca	cnst
126647	126647~EPA	ap1-agonist_ch2	Activator	cca	hill
126647	126647~EPA	ap1-agonist_ratio	Activator	cca	hill
126647	126647~EPA	ap1-agonist_via	Inactive	cca	cnst
126727	126727~EPA	are-bla_ch1	Inactive	cca	cnst
126727	126727~EPA	are-bla_ch2	Activator	cca	gnls
126727	126727~EPA	are-bla_ratio	Activator	cca	gnls
126727	126727~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
126727	126727~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
126727	126727~NTP	p53-bla_ch2	Inactive	rfp	cnst
126727	126727~NTP	p53-bla_ratio	Activator	rfp	hill
126727	126727~NTP	p53-bla_via	Inactive	rfp	cnst
12674112	12674112~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
12674112	12674112~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
12674112	12674112~NTP	ap1-agonist_ratio	Activator	rfp	hill
12674112	12674112~NTP	ap1-agonist_via	Inactive	rfp	cnst
126750	126750~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
126750	126750~NTP	ap1-agonist_ch2	Activator	cca	hill
126750	126750~NTP	ap1-agonist_ratio	Activator	cca	hill
126750	126750~NTP	ap1-agonist_via	Inactive	cca	cnst
126833178	126833178~EPA	are-bla_ch1	Repressor	cca	hill.inv
126833178	126833178~EPA	are-bla_ch2	Activator	cca	hill
126833178	126833178~EPA	are-bla_ratio	Activator	cca	hill
126833178	126833178~EPA	are-bla_via	Inactive	cca	cnst
126863	126863~NTP	are-bla_ch1	Inactive	rfn	cnst
126863	126863~NTP	are-bla_ch2	Activator	rfn	hill
126863	126863~NTP	are-bla_ratio	Inactive	rfn	cnst
126863	126863~NTP	are-bla_via	Inactive	rfn	cnst
1271198	1271198~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1271198	1271198~NTP	ap1-agonist_ch2	Activator	cca	hill
1271198	1271198~NTP	ap1-agonist_ratio	Activator	cca	hill
1271198	1271198~NTP	ap1-agonist_via	Inactive	cca	cnst
1271289	1271289~NTP	ap1-agonist_ch1	Inactive	cca	cnst
1271289	1271289~NTP	ap1-agonist_ch2	Activator	cca	hill
1271289	1271289~NTP	ap1-agonist_ratio	Activator	cca	hill
1271289	1271289~NTP	ap1-agonist_via	Inactive	cca	cnst
1271289	1271289~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
1271289	1271289~NTP	hre-bla-agonist_ch2	Activator	cca	hill
1271289	1271289~NTP	hre-bla-agonist_ratio	Activator	cca	hill
1271289	1271289~NTP	hre-bla-agonist_via	Inactive	cca	cnst
127173	127173~EPA	are-bla_ch1	Repressor	cca	hill.inv
127173	127173~EPA	are-bla_ch2	Activator	cca	hill
127173	127173~EPA	are-bla_ratio	Activator	cca	hill
127173	127173~EPA	are-bla_via	Inactive	cca	cnst
127173	127173~NTP	are-bla_ch1	Inactive	rfp	cnst
127173	127173~NTP	are-bla_ch2	Inactive	rfp	cnst
127173	127173~NTP	are-bla_ratio	Activator	rfp	gnls
127173	127173~NTP	are-bla_via	Inactive	rfp	cnst
127253	127253~EPA	ap1-agonist_ch1	Inactive	rfp	cnst
127253	127253~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
127253	127253~EPA	ap1-agonist_ratio	Activator	rfp	hill
127253	127253~EPA	ap1-agonist_via	Inactive	rfp	cnst
127253	127253~EPA	are-bla_ch1	Inactive	cca	cnst
127253	127253~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
127253	127253~EPA	are-bla_ratio	Activator	cca	hill
127253	127253~EPA	are-bla_via	Inactive	cca	cnst
127308821	127308821~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
127308821	127308821~EPA	ap1-agonist_ch2	Activator	cca	gnls
127308821	127308821~EPA	ap1-agonist_ratio	Activator	cca	hill
127308821	127308821~EPA	ap1-agonist_via	Inactive	cca	cnst
127308821	127308821~EPA	are-bla_ch1	Inactive	rfn	cnst
127308821	127308821~EPA	are-bla_ch2	Activator	rfn	gnls
127308821	127308821~EPA	are-bla_ratio	Inactive	rfn	hill.inv
127308821	127308821~EPA	are-bla_via	Repressor	rfn	hill.inv
127308989	127308989~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
127308989	127308989~FDA	ap1-agonist_ch2	Activator	cca	hill
127308989	127308989~FDA	ap1-agonist_ratio	Activator	cca	hill
127308989	127308989~FDA	ap1-agonist_via	Inactive	cca	cnst
127402	127402~FDA	p53-bla_ch1	Inactive	cca	cnst
127402	127402~FDA	p53-bla_ch2	Activator	cca	hill
127402	127402~FDA	p53-bla_ratio	Activator	cca	hill
127402	127402~FDA	p53-bla_via	Inactive	cca	cnst
127479	127479~EPA	are-bla_ch1	Inactive	cca	cnst
127479	127479~EPA	are-bla_ch2	Activator	cca	hill
127479	127479~EPA	are-bla_ratio	Activator	cca	hill
127479	127479~EPA	are-bla_via	Inactive	cca	cnst
127479	127479~EPA	hse-bla_ch1	Repressor	cca	hill.inv
127479	127479~EPA	hse-bla_ch2	Activator	cca	hill
127479	127479~EPA	hse-bla_ratio	Activator	cca	hill
127479	127479~EPA	hse-bla_via	Inactive	cca	cnst
127479	127479~NTP	are-bla_ch1	Inactive	cca	cnst
127479	127479~NTP	are-bla_ch2	Activator	cca	gnls.inv
127479	127479~NTP	are-bla_ratio	Activator	cca	hill
127479	127479~NTP	are-bla_via	Inactive	cca	cnst
127479	127479~NTP	hse-bla_ch1	Inactive	cca	cnst
127479	127479~NTP	hse-bla_ch2	Activator	cca	hill
127479	127479~NTP	hse-bla_ratio	Activator	cca	hill
127479	127479~NTP	hse-bla_via	Inactive	cca	cnst
127625290	127625290~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
127625290	127625290~FDA	ap1-agonist_ch2	Activator	cca	gnls
127625290	127625290~FDA	ap1-agonist_ratio	Activator	cca	hill
127625290	127625290~FDA	ap1-agonist_via	Inactive	cca	cnst
127625290	127625290~FDA	are-bla_ch1	Repressor	cca	hill.inv
127625290	127625290~FDA	are-bla_ch2	Activator	cca	hill
127625290	127625290~FDA	are-bla_ratio	Activator	cca	hill
127625290	127625290~FDA	are-bla_via	Inactive	cca	cnst
1277436	1277436~NTP	are-bla_ch1	Inactive	cca	cnst
1277436	1277436~NTP	are-bla_ch2	Activator	cca	hill
1277436	1277436~NTP	are-bla_ratio	Activator	cca	hill
1277436	1277436~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
1277436	1277436~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
1277436	1277436~NTP	hre-bla-agonist_ch2	Activator	cca	hill
1277436	1277436~NTP	hre-bla-agonist_ratio	Activator	cca	hill
1277436	1277436~NTP	hre-bla-agonist_via	Inactive	cca	cnst
12789036	12789036~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
12789036	12789036~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
12789036	12789036~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
12789036	12789036~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
12789036	12789036~NTP	are-bla_ch1	Repressor	EUC	hill.inv
12789036	12789036~NTP	are-bla_ch2	Activator	EUC	gnls
12789036	12789036~NTP	are-bla_ratio	Activator	EUC	hill
12789036	12789036~NTP	are-bla_via	Repressor	EUC	hill.inv
12789036	12789036~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
12789036	12789036~NTP	esre-bla_ch2	Inactive	rfp	cnst
12789036	12789036~NTP	esre-bla_ratio	Activator	rfp	hill
12789036	12789036~NTP	esre-bla_via	Repressor	rfp	hill.inv
12789036	12789036~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
12789036	12789036~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
12789036	12789036~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
12789036	12789036~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
12789036	12789036~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
12789036	12789036~NTP	hse-bla_ch2	Inactive	rfp	cnst
12789036	12789036~NTP	hse-bla_ratio	Activator	rfp	hill
12789036	12789036~NTP	hse-bla_via	Repressor	rfp	hill.inv
12789036	12789036~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
12789036	12789036~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
12789036	12789036~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
12789036	12789036~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
12789036	12789036~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
12789036	12789036~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
12789036	12789036~NTP	p53-bla_ratio	Activator	rfp	hill
12789036	12789036~NTP	p53-bla_via	Repressor	rfp	hill.inv
128041	128041~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
128041	128041~EPA	ap1-agonist_ch2	Activator	cca	gnls
128041	128041~EPA	ap1-agonist_ratio	Activator	cca	gnls
128041	128041~EPA	ap1-agonist_via	Repressor	cca	hill.inv
128041	128041~EPA	are-bla_ch1	Inactive	EUC	cnst
128041	128041~EPA	are-bla_ch2	Activator	EUC	gnls
128041	128041~EPA	are-bla_ratio	Activator	EUC	gnls
128041	128041~EPA	are-bla_via	Repressor	EUC	hill.inv
128041	128041~EPA	hse-bla_ch1	Repressor	cca	hill.inv
128041	128041~EPA	hse-bla_ch2	Activator	cca	gnls
128041	128041~EPA	hse-bla_ratio	Activator	cca	gnls
128041	128041~EPA	hse-bla_via	Repressor	cca	hill.inv
128041	128041~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
128041	128041~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
128041	128041~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
128041	128041~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
128041	128041~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
128041	128041~NTP	ap1-agonist_ch2	Activator	cca	gnls
128041	128041~NTP	ap1-agonist_ratio	Activator	cca	gnls
128041	128041~NTP	ap1-agonist_via	Inactive	cca	cnst
128041	128041~NTP	are-bla_ch1	Inactive	cca	cnst
128041	128041~NTP	are-bla_ch2	Activator	cca	gnls
128041	128041~NTP	are-bla_ratio	Activator	cca	gnls
128041	128041~NTP	are-bla_via	Inactive	cca	cnst
128041	128041~NTP	hse-bla_ch1	Repressor	cca	hill.inv
128041	128041~NTP	hse-bla_ch2	Activator	cca	gnls
128041	128041~NTP	hse-bla_ratio	Activator	cca	gnls
128041	128041~NTP	hse-bla_via	Repressor	cca	hill.inv
128312516	128312516~FDA	are-bla_ch1	Inactive	EUC	cnst
128312516	128312516~FDA	are-bla_ch2	Activator	EUC	hill
128312516	128312516~FDA	are-bla_ratio	Activator	EUC	hill
128312516	128312516~FDA	are-bla_via	Inactive	EUC	cnst
128420611	128420611~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
128420611	128420611~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
128420611	128420611~FDA	ap1-agonist_ratio	Activator	rfp	hill
128420611	128420611~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
128420611	128420611~FDA	are-bla_ch1	Repressor	cca	hill.inv
128420611	128420611~FDA	are-bla_ch2	Activator	cca	gnls
128420611	128420611~FDA	are-bla_ratio	Activator	cca	hill
128420611	128420611~FDA	are-bla_via	Repressor	cca	hill.inv
128420611	128420611~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
128420611	128420611~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
128420611	128420611~FDA	p53-bla_ratio	Activator	rfp	hill
128420611	128420611~FDA	p53-bla_via	Repressor	rfp	hill.inv
128517077	128517077~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
128517077	128517077~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
128517077	128517077~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
128517077	128517077~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
128639021	128639021~EPA	are-bla_ch1	Inactive	cca	cnst
128639021	128639021~EPA	are-bla_ch2	Activator	cca	hill
128639021	128639021~EPA	are-bla_ratio	Activator	cca	hill
128639021	128639021~EPA	are-bla_via	Inactive	cca	cnst
128794945	128794945~FDA	are-bla_ch1	Repressor	cca	hill.inv
128794945	128794945~FDA	are-bla_ch2	Activator	cca	hill
128794945	128794945~FDA	are-bla_ratio	Activator	cca	hill
128794945	128794945~FDA	are-bla_via	Inactive	cca	cnst
128794945	128794945~FDA	p53-bla_ch1	Inactive	cca	cnst
128794945	128794945~FDA	p53-bla_ch2	Activator	cca	gnls
128794945	128794945~FDA	p53-bla_ratio	Activator	cca	gnls
128794945	128794945~FDA	p53-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
128950	128950~EPA	are-bla_ch1	Repressor	cca	hill.inv
128950	128950~EPA	are-bla_ch2	Activator	cca	gnls
128950	128950~EPA	are-bla_ratio	Activator	cca	hill
128950	128950~EPA	are-bla_via	Inactive	cca	cnst
128950	128950~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
128950	128950~EPA	p53-bla_ch2	Inactive	rfp	cnst
128950	128950~EPA	p53-bla_ratio	Activator	rfp	hill
128950	128950~EPA	p53-bla_via	Inactive	rfp	cnst
129033	129033~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
129033	129033~FDA	ap1-agonist_ch2	Activator	cca	hill
129033	129033~FDA	ap1-agonist_ratio	Activator	cca	hill
129033	129033~FDA	ap1-agonist_via	Inactive	cca	cnst
129157	129157~NTP	ap1-agonist_ch1	Inactive	cca	cnst
129157	129157~NTP	ap1-agonist_ch2	Activator	cca	hill
129157	129157~NTP	ap1-agonist_ratio	Activator	cca	hill
129157	129157~NTP	ap1-agonist_via	Inactive	cca	cnst
129157	129157~NTP	are-bla_ch1	Inactive	cca	cnst
129157	129157~NTP	are-bla_ch2	Activator	cca	hill
129157	129157~NTP	are-bla_ratio	Activator	cca	hill
129157	129157~NTP	are-bla_via	Inactive	cca	cnst
129204	129204~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
129204	129204~FDA	ap1-agonist_ch2	Activator	cca	gnls
129204	129204~FDA	ap1-agonist_ratio	Activator	cca	gnls
129204	129204~FDA	ap1-agonist_via	Inactive	cca	cnst
129204	129204~FDA	are-bla_ch1	Inactive	cca	cnst
129204	129204~FDA	are-bla_ch2	Activator	cca	hill
129204	129204~FDA	are-bla_ratio	Activator	cca	hill
129204	129204~FDA	are-bla_via	Inactive	cca	cnst
129204	129204~FDA	p53-bla_ch1	Inactive	cca	cnst
129204	129204~FDA	p53-bla_ch2	Activator	cca	hill
129204	129204~FDA	p53-bla_ratio	Activator	cca	hill
129204	129204~FDA	p53-bla_via	Inactive	cca	cnst
129273387	129273387~FDA	are-bla_ch1	Inactive	EUC	cnst
129273387	129273387~FDA	are-bla_ch2	Activator	EUC	gnls
129273387	129273387~FDA	are-bla_ratio	Activator	EUC	hill
129273387	129273387~FDA	are-bla_via	Inactive	EUC	cnst
129298915	129298915~EPA	are-bla_ch1	Repressor	cca	hill.inv
129298915	129298915~EPA	are-bla_ch2	Activator	cca	gnls
129298915	129298915~EPA	are-bla_ratio	Activator	cca	gnls
129298915	129298915~EPA	are-bla_via	Inactive	cca	cnst
129298915	129298915~EPA	p53-bla_ch1	Inactive	cca	cnst
129298915	129298915~EPA	p53-bla_ch2	Activator	cca	hill
129298915	129298915~EPA	p53-bla_ratio	Activator	cca	hill
129298915	129298915~EPA	p53-bla_via	Inactive	cca	cnst
129299907	129299907~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
129299907	129299907~EPA	esre-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
129299907	129299907~EPA	esre-bla_ratio	Activator	rfp	hill
129299907	129299907~EPA	esre-bla_via	Inactive	rfp	cnst
129299907	129299907~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
129299907	129299907~EPA	p53-bla_ch2	Inactive	rfp	cnst
129299907	129299907~EPA	p53-bla_ratio	Activator	rfp	hill
129299907	129299907~EPA	p53-bla_via	Inactive	rfp	cnst
129566	129566~FDA	p53-bla_ch1	Repressor	cca	hill.inv
129566	129566~FDA	p53-bla_ch2	Activator	cca	hill
129566	129566~FDA	p53-bla_ratio	Activator	cca	hill
129566	129566~FDA	p53-bla_via	Inactive	cca	cnst
129722129	129722129~FDA	are-bla_ch1	Repressor	cca	hill.inv
129722129	129722129~FDA	are-bla_ch2	Activator	cca	gnls
129722129	129722129~FDA	are-bla_ratio	Activator	cca	gnls
129722129	129722129~FDA	are-bla_via	Repressor	cca	hill.inv
129722129	129722129~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
129722129	129722129~FDA	hse-bla_ch2	Inactive	rfp	cnst
129722129	129722129~FDA	hse-bla_ratio	Activator	rfp	hill
129722129	129722129~FDA	hse-bla_via	Repressor	rfp	hill.inv
1300727	1300727~EPA	are-bla_ch1	Inactive	rfn	cnst
1300727	1300727~EPA	are-bla_ch2	Activator	rfn	hill
1300727	1300727~EPA	are-bla_ratio	Inactive	rfn	cnst
1300727	1300727~EPA	are-bla_via	Inactive	rfn	cnst
13010087	13010087~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
13010087	13010087~NTP	ap1-agonist_ch2	Activator	cca	hill
13010087	13010087~NTP	ap1-agonist_ratio	Activator	cca	hill
13010087	13010087~NTP	ap1-agonist_via	Inactive	cca	cnst
13010087	13010087~NTP	p53-bla_ch1	Repressor	cca	hill.inv
13010087	13010087~NTP	p53-bla_ch2	Activator	cca	hill
13010087	13010087~NTP	p53-bla_ratio	Activator	cca	hill
13010087	13010087~NTP	p53-bla_via	Inactive	cca	cnst
130154	130154~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
130154	130154~NTP	ap1-agonist_ch2	Activator	cca	gnls
130154	130154~NTP	ap1-agonist_ratio	Activator	cca	hill
130154	130154~NTP	ap1-agonist_via	Repressor	cca	hill.inv
130154	130154~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
130154	130154~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
130154	130154~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
130154	130154~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
130165	130165~FDA	ap1-agonist_ch1	Repressor	rfn	hill.inv
130165	130165~FDA	ap1-agonist_ch2	Activator	rfn	gnls.inv
130165	130165~FDA	ap1-agonist_ratio	Inactive	rfn	cnst
130165	130165~FDA	ap1-agonist_via	Inactive	rfn	cnst
130165	130165~FDA	are-bla_ch1	Inactive	cca	cnst
130165	130165~FDA	are-bla_ch2	Activator	cca	hill
130165	130165~FDA	are-bla_ratio	Activator	cca	hill
130165	130165~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
130165	130165~FDA	hse-bla_ch1	Inactive	cca	cnst
130165	130165~FDA	hse-bla_ch2	Activator	cca	hill
130165	130165~FDA	hse-bla_ratio	Activator	cca	hill
130165	130165~FDA	hse-bla_via	Repressor	cca	gnls.inv
130176	130176~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
130176	130176~NTP	ap1-agonist_ch2	Activator	cca	hill
130176	130176~NTP	ap1-agonist_ratio	Activator	cca	hill
130176	130176~NTP	ap1-agonist_via	Inactive	cca	cnst
130176	130176~NTP	are-bla_ch1	Inactive	EUC	cnst
130176	130176~NTP	are-bla_ch2	Activator	EUC	hill
130176	130176~NTP	are-bla_ratio	Activator	EUC	hill
130176	130176~NTP	are-bla_via	Inactive	EUC	cnst
130176	130176~NTP	esre-bla_ch1	Activator	EUC	hill
130176	130176~NTP	esre-bla_ch2	Activator	EUC	hill
130176	130176~NTP	esre-bla_ratio	Activator	EUC	hill
130176	130176~NTP	esre-bla_via	Inactive	EUC	cnst
130176	130176~NTP	hse-bla_ch1	Inactive	cca	cnst
130176	130176~NTP	hse-bla_ch2	Activator	cca	hill
130176	130176~NTP	hse-bla_ratio	Activator	cca	hill
130176	130176~NTP	hse-bla_via	Inactive	cca	cnst
130176	130176~NTP	p53-bla_ch1	Activator	rfn	hill
130176	130176~NTP	p53-bla_ch2	Activator	rfn	hill
130176	130176~NTP	p53-bla_ratio	Inactive	rfn	cnst
130176	130176~NTP	p53-bla_via	Inactive	rfn	cnst
130201	130201~EPA	ap1-agonist_ch1	Inactive	cca	cnst
130201	130201~EPA	ap1-agonist_ch2	Activator	cca	hill
130201	130201~EPA	ap1-agonist_ratio	Activator	cca	hill
130201	130201~EPA	ap1-agonist_via	Inactive	cca	cnst
130267	130267~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
130267	130267~FDA	ap1-agonist_ch2	Activator	EOC	gnls
130267	130267~FDA	ap1-agonist_ratio	Activator	EOC	gnls
130267	130267~FDA	ap1-agonist_via	Inactive	EOC	cnst
130267	130267~FDA	are-bla_ch1	Repressor	rfp	hill.inv
130267	130267~FDA	are-bla_ch2	Inactive	rfp	cnst
130267	130267~FDA	are-bla_ratio	Activator	rfp	hill
130267	130267~FDA	are-bla_via	Inactive	rfp	cnst
130267	130267~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
130267	130267~NTP	ap1-agonist_ch2	Activator	cca	gnls
130267	130267~NTP	ap1-agonist_ratio	Activator	cca	gnls
130267	130267~NTP	ap1-agonist_via	Repressor	cca	hill.inv
130267	130267~NTP	are-bla_ch1	Activator	EUC	hill
130267	130267~NTP	are-bla_ch2	Activator	EUC	gnls
130267	130267~NTP	are-bla_ratio	Activator	EUC	gnls
130267	130267~NTP	are-bla_via	Repressor	EUC	hill.inv
130267	130267~NTP	esre-bla_ch1	Activator	cca	hill
130267	130267~NTP	esre-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
130267	130267~NTP	esre-bla_ratio	Activator	cca	gnls
130267	130267~NTP	esre-bla_via	Inactive	cca	cnst
130267	130267~NTP	hse-bla_ch1	Inactive	cca	cnst
130267	130267~NTP	hse-bla_ch2	Activator	cca	gnls
130267	130267~NTP	hse-bla_ratio	Activator	cca	gnls
130267	130267~NTP	hse-bla_via	Inactive	cca	cnst
13029088	13029088~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
13029088	13029088~NTP	ap1-agonist_ch2	Activator	EOC/PUC	hill
13029088	13029088~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
13029088	13029088~NTP	ap1-agonist_via	Inactive	EOC/PUC	cnst
130370	130370~FDA	p53-bla_ch1	Repressor	cca	hill.inv
130370	130370~FDA	p53-bla_ch2	Activator	cca	gnls
130370	130370~FDA	p53-bla_ratio	Activator	cca	hill
130370	130370~FDA	p53-bla_via	Repressor	cca	hill.inv
13047137	13047137~EPA	are-bla_ch1	Repressor	cca	hill.inv
13047137	13047137~EPA	are-bla_ch2	Activator	cca	hill
13047137	13047137~EPA	are-bla_ratio	Activator	cca	hill
13047137	13047137~EPA	are-bla_via	Inactive	cca	cnst
13048334	13048334~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
13048334	13048334~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
13048334	13048334~EPA	ap1-agonist_ratio	Activator	rfp	gnls
13048334	13048334~EPA	ap1-agonist_via	Inactive	rfp	cnst
13048334	13048334~EPA	are-bla_ch1	Repressor	PUC	hill.inv
13048334	13048334~EPA	are-bla_ch2	Activator	PUC	hill
13048334	13048334~EPA	are-bla_ratio	Activator	PUC	hill
13048334	13048334~EPA	are-bla_via	Inactive	PUC	cnst
13048334	13048334~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
13048334	13048334~EPA	hse-bla_ch2	Inactive	rfp	cnst
13048334	13048334~EPA	hse-bla_ratio	Activator	rfp	hill
13048334	13048334~EPA	hse-bla_via	Repressor	rfp	hill.inv
13048334	13048334~NTP	are-bla_ch1	Repressor	PUC	hill.inv
13048334	13048334~NTP	are-bla_ch2	Activator	PUC	gnls
13048334	13048334~NTP	are-bla_ratio	Activator	PUC	gnls
13048334	13048334~NTP	are-bla_via	Inactive	PUC	cnst
13048334	13048334~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13048334	13048334~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
13048334	13048334~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
13048334	13048334~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
13048334	13048334~NTP	hse-bla_ch1	Repressor	cca	hill.inv
13048334	13048334~NTP	hse-bla_ch2	Activator	cca	gnls
13048334	13048334~NTP	hse-bla_ratio	Activator	cca	hill
13048334	13048334~NTP	hse-bla_via	Repressor	cca	hill.inv
130610	130610~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
130610	130610~NTP	ap1-agonist_ch2	Activator	cca	gnls
130610	130610~NTP	ap1-agonist_ratio	Activator	cca	gnls
130610	130610~NTP	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
130610	130610~NTP	are-bla_ch1	Repressor	rfn	hill.inv
130610	130610~NTP	are-bla_ch2	Activator	rfn	gnls
130610	130610~NTP	are-bla_ratio	Inactive	rfn	gnls.inv
130610	130610~NTP	are-bla_via	Repressor	rfn	hill.inv
130610	130610~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
130610	130610~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
130610	130610~NTP	esre-bla_ratio	Activator	rfp	hill
130610	130610~NTP	esre-bla_via	Repressor	rfp	hill.inv
130610	130610~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
130610	130610~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
130610	130610~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
130610	130610~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
130610	130610~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
130610	130610~NTP	hse-bla_ch2	Inactive	rfp	cnst
130610	130610~NTP	hse-bla_ratio	Activator	rfp	hill
130610	130610~NTP	hse-bla_via	Repressor	rfp	hill.inv
130610	130610~NTP	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
130610	130610~NTP	nfkb-bla-agonist_ch2	Activator	cca	gnls
130610	130610~NTP	nfkb-bla-agonist_ratio	Activator	cca	hill
130610	130610~NTP	nfkb-bla-agonist_via	Repressor	cca	hill.inv
130610	130610~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
130610	130610~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
130610	130610~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
130610	130610~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
130726680	130726680~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
130726680	130726680~FDA	ap1-agonist_ch2	Activator	EOC	gnls
130726680	130726680~FDA	ap1-agonist_ratio	Activator	EOC	hill
130726680	130726680~FDA	ap1-agonist_via	Inactive	EOC	cnst
130726680	130726680~FDA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
130726680	130726680~FDA	are-bla_ch2	Activator	EOC/PUC	gnls
130726680	130726680~FDA	are-bla_ratio	Activator	EOC/PUC	hill
130726680	130726680~FDA	are-bla_via	Inactive	EOC/PUC	cnst
130726680	130726680~FDA	hse-bla_ch1	Repressor	cca	hill.inv
130726680	130726680~FDA	hse-bla_ch2	Activator	cca	hill
130726680	130726680~FDA	hse-bla_ratio	Activator	cca	hill
130726680	130726680~FDA	hse-bla_via	Inactive	cca	cnst
130803	130803~EPA	are-bla_ch1	Activator	EUC	hill
130803	130803~EPA	are-bla_ch2	Activator	EUC	hill
130803	130803~EPA	are-bla_ratio	Activator	EUC	hill
130803	130803~EPA	are-bla_via	Inactive	EUC	cnst
130803	130803~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
130803	130803~EPA	hse-bla_ch2	Inactive	rfp	cnst
130803	130803~EPA	hse-bla_ratio	Activator	rfp	gnls
130803	130803~EPA	hse-bla_via	Inactive	rfp	cnst
130803	130803~EPA	p53-bla_ch1	Repressor	cca	hill.inv
130803	130803~EPA	p53-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
130803	130803~EPA	p53-bla_ratio	Activator	cca	gnls
130803	130803~EPA	p53-bla_via	Inactive	cca	cnst
13080869	13080869~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13080869	13080869~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
13080869	13080869~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
13080869	13080869~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
130929576	130929576~FDA	are-bla_ch1	Repressor	EOC	hill.inv
130929576	130929576~FDA	are-bla_ch2	Activator	EOC	hill
130929576	130929576~FDA	are-bla_ratio	Activator	EOC	hill
130929576	130929576~FDA	are-bla_via	Inactive	EOC	cnst
130929576	130929576~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
130929576	130929576~FDA	hre-bla-agonist_ch2	Activator	cca	hill
130929576	130929576~FDA	hre-bla-agonist_ratio	Activator	cca	hill
130929576	130929576~FDA	hre-bla-agonist_via	Inactive	cca	cnst
131180	131180~NTP	ap1-agonist_ch1	Inactive	cca	cnst
131180	131180~NTP	ap1-agonist_ch2	Activator	cca	hill
131180	131180~NTP	ap1-agonist_ratio	Activator	cca	hill
131180	131180~NTP	ap1-agonist_via	Inactive	cca	cnst
131341861	131341861~EPA	p53-bla_ch1	Repressor	cca	hill.inv
131341861	131341861~EPA	p53-bla_ch2	Activator	cca	gnls
131341861	131341861~EPA	p53-bla_ratio	Activator	cca	gnls
131341861	131341861~EPA	p53-bla_via	Inactive	cca	cnst
131555	131555~NTP	are-bla_ch1	Inactive	EUC	cnst
131555	131555~NTP	are-bla_ch2	Activator	EUC	hill
131555	131555~NTP	are-bla_ratio	Activator	EUC	hill
131555	131555~NTP	are-bla_via	Inactive	EUC	cnst
131566	131566~EPA	are-bla_ch1	Inactive	rfn	cnst
131566	131566~EPA	are-bla_ch2	Activator	rfn	hill
131566	131566~EPA	are-bla_ratio	Inactive	rfn	cnst
131566	131566~EPA	are-bla_via	Inactive	rfn	cnst
131566	131566~NTP	are-bla_ch1	Inactive	cca	cnst
131566	131566~NTP	are-bla_ch2	Activator	cca	hill
131566	131566~NTP	are-bla_ratio	Activator	cca	hill
131566	131566~NTP	are-bla_via	Inactive	cca	cnst
131690454	131690454~FDA	are-bla_ch1	Inactive	cca	cnst
131690454	131690454~FDA	are-bla_ch2	Activator	cca	hill
131690454	131690454~FDA	are-bla_ratio	Activator	cca	hill
131690454	131690454~FDA	are-bla_via	Inactive	cca	cnst
131807573	131807573~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
131807573	131807573~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
131807573	131807573~EPA	ap1-agonist_ratio	Activator	rfp	hill
131807573	131807573~EPA	ap1-agonist_via	Inactive	rfp	cnst
131807573	131807573~EPA	are-bla_ch1	Inactive	cca	cnst
131807573	131807573~EPA	are-bla_ch2	Activator	cca	gnls
131807573	131807573~EPA	are-bla_ratio	Activator	cca	gnls
131807573	131807573~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
131807573	131807573~EPA	esre-bla_ch1	Repressor	cca	hill.inv
131807573	131807573~EPA	esre-bla_ch2	Activator	cca	hill
131807573	131807573~EPA	esre-bla_ratio	Activator	cca	hill
131807573	131807573~EPA	esre-bla_via	Inactive	cca	cnst
131807573	131807573~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
131807573	131807573~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
131807573	131807573~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
131807573	131807573~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
131807573	131807573~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
131807573	131807573~EPA	hse-bla_ch2	Inactive	rfp	cnst
131807573	131807573~EPA	hse-bla_ratio	Activator	rfp	hill
131807573	131807573~EPA	hse-bla_via	Repressor	rfp	hill.inv
131807573	131807573~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
131807573	131807573~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
131807573	131807573~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
131807573	131807573~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
131807573	131807573~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
131807573	131807573~EPA	p53-bla_ch2	Inactive	rfp	cnst
131807573	131807573~EPA	p53-bla_ratio	Activator	rfp	hill
131807573	131807573~EPA	p53-bla_via	Inactive	rfp	cnst
13181174	13181174~EPA	are-bla_ch1	Inactive	EUC	cnst
13181174	13181174~EPA	are-bla_ch2	Activator	EUC	gnls
13181174	13181174~EPA	are-bla_ratio	Activator	EUC	gnls
13181174	13181174~EPA	are-bla_via	Repressor	EUC	hill.inv
13181174	13181174~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
13181174	13181174~EPA	hse-bla_ch2	Inactive	rfp	cnst
13181174	13181174~EPA	hse-bla_ratio	Activator	rfp	hill
13181174	13181174~EPA	hse-bla_via	Inactive	rfp	cnst
13181174	13181174~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
13181174	13181174~EPA	p53-bla_ch2	Inactive	rfp	cnst
13181174	13181174~EPA	p53-bla_ratio	Activator	rfp	hill
13181174	13181174~EPA	p53-bla_via	Inactive	rfp	cnst
13183794	13183794~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
13183794	13183794~NTP	ap1-agonist_ch2	Activator	cca	hill
13183794	13183794~NTP	ap1-agonist_ratio	Activator	cca	hill
13183794	13183794~NTP	ap1-agonist_via	Inactive	cca	cnst
131860338	131860338~EPA	are-bla_ch1	Repressor	EUC	gnls.inv
131860338	131860338~EPA	are-bla_ch2	Activator	EUC	gnls
131860338	131860338~EPA	are-bla_ratio	Activator	EUC	gnls
131860338	131860338~EPA	are-bla_via	Inactive	EUC	cnst
131860338	131860338~FDA	are-bla_ch1	Inactive	cca	cnst
131860338	131860338~FDA	are-bla_ch2	Activator	cca	gnls
131860338	131860338~FDA	are-bla_ratio	Activator	cca	gnls
131860338	131860338~FDA	are-bla_via	Inactive	cca	cnst
131860338	131860338~NTP	are-bla_ch1	Inactive	cca	cnst
131860338	131860338~NTP	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
131860338	131860338~NTP	are-bla_ratio	Activator	cca	gnls
131860338	131860338~NTP	are-bla_via	Inactive	cca	cnst
13187069	13187069~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
13187069	13187069~FDA	ap1-agonist_ch2	Activator	cca	gnls
13187069	13187069~FDA	ap1-agonist_ratio	Activator	cca	gnls
13187069	13187069~FDA	ap1-agonist_via	Inactive	cca	cnst
13187069	13187069~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
13187069	13187069~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
13187069	13187069~FDA	p53-bla_ratio	Activator	rfp	hill
13187069	13187069~FDA	p53-bla_via	Repressor	rfp	hill.inv
1323199	1323199~EPA	are-bla_ch1	Inactive	cca	cnst
1323199	1323199~EPA	are-bla_ch2	Activator	cca	hill
1323199	1323199~EPA	are-bla_ratio	Activator	cca	hill
1323199	1323199~EPA	are-bla_via	Inactive	cca	cnst
1323382	1323382~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1323382	1323382~EPA	ap1-agonist_ch2	Activator	cca	hill
1323382	1323382~EPA	ap1-agonist_ratio	Activator	cca	hill
1323382	1323382~EPA	ap1-agonist_via	Inactive	cca	cnst
132661	132661~EPA	ap1-agonist_ch1	Inactive	cca	cnst
132661	132661~EPA	ap1-agonist_ch2	Activator	cca	hill
132661	132661~EPA	ap1-agonist_ratio	Activator	cca	hill
132661	132661~EPA	ap1-agonist_via	Inactive	cca	cnst
132661	132661~EPA	are-bla_ch1	Inactive	cca	cnst
132661	132661~EPA	are-bla_ch2	Activator	cca	hill
132661	132661~EPA	are-bla_ratio	Activator	cca	hill
132661	132661~EPA	are-bla_via	Inactive	cca	cnst
132694	132694~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
132694	132694~FDA	ap1-agonist_ch2	Activator	cca	hill
132694	132694~FDA	ap1-agonist_ratio	Activator	cca	hill
132694	132694~FDA	ap1-agonist_via	Inactive	cca	cnst
132810107	132810107~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
132810107	132810107~FDA	ap1-agonist_ch2	Activator	cca	hill
132810107	132810107~FDA	ap1-agonist_ratio	Activator	cca	hill
132810107	132810107~FDA	ap1-agonist_via	Inactive	cca	cnst
13292461	13292461~EPA	are-bla_ch1	Activator	rfn	hill
13292461	13292461~EPA	are-bla_ch2	Activator	rfn	hill
13292461	13292461~EPA	are-bla_ratio	Inactive	rfn	cnst
13292461	13292461~EPA	are-bla_via	Inactive	rfn	cnst
13292461	13292461~FDA	are-bla_ch1	Inactive	EUC	cnst
13292461	13292461~FDA	are-bla_ch2	Activator	EUC	hill
13292461	13292461~FDA	are-bla_ratio	Activator	EUC	hill
13292461	13292461~FDA	are-bla_via	Inactive	EUC	cnst
13301616	13301616~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
13301616	13301616~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
13301616	13301616~EPA	ap1-agonist_ratio	Activator	rfp	hill
13301616	13301616~EPA	ap1-agonist_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
13301616	13301616~EPA	are-bla_ch1	Repressor	EOC	hill.inv
13301616	13301616~EPA	are-bla_ch2	Activator	EOC	hill
13301616	13301616~EPA	are-bla_ratio	Activator	EOC	hill
13301616	13301616~EPA	are-bla_via	Inactive	EOC	cnst
133062	133062~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
133062	133062~EPA	ap1-agonist_ch2	Activator	cca	gnls
133062	133062~EPA	ap1-agonist_ratio	Activator	cca	gnls
133062	133062~EPA	ap1-agonist_via	Repressor	cca	hill.inv
133062	133062~EPA	are-bla_ch1	Repressor	EUC	hill.inv
133062	133062~EPA	are-bla_ch2	Activator	EUC	gnls
133062	133062~EPA	are-bla_ratio	Activator	EUC	gnls
133062	133062~EPA	are-bla_via	Repressor	EUC	hill.inv
133062	133062~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
133062	133062~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
133062	133062~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
133062	133062~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
133062	133062~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
133062	133062~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
133062	133062~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
133062	133062~EPA	hse-bla_via	Inactive	EOC/PUC	cnst
133062	133062~EPA	p53-bla_ch1	Repressor	cca	hill.inv
133062	133062~EPA	p53-bla_ch2	Activator	cca	gnls
133062	133062~EPA	p53-bla_ratio	Activator	cca	gnls
133062	133062~EPA	p53-bla_via	Inactive	cca	cnst
133062	133062~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
133062	133062~NTP	ap1-agonist_ch2	Activator	cca	hill
133062	133062~NTP	ap1-agonist_ratio	Activator	cca	hill
133062	133062~NTP	ap1-agonist_via	Inactive	cca	cnst
133062	133062~NTP	are-bla_ch1	Inactive	cca	cnst
133062	133062~NTP	are-bla_ch2	Activator	cca	hill
133062	133062~NTP	are-bla_ratio	Activator	cca	gnls
133062	133062~NTP	are-bla_via	Inactive	cca	cnst
133062	133062~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
133062	133062~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
133062	133062~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
133062	133062~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
133073	133073~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
133073	133073~EPA	ap1-agonist_ch2	Activator	PUC	gnls
133073	133073~EPA	ap1-agonist_ratio	Activator	PUC	gnls
133073	133073~EPA	ap1-agonist_via	Inactive	PUC	cnst
133073	133073~EPA	are-bla_ch1	Repressor	cca	hill.inv
133073	133073~EPA	are-bla_ch2	Activator	cca	gnls
133073	133073~EPA	are-bla_ratio	Activator	cca	gnls
133073	133073~EPA	are-bla_via	Repressor	cca	hill.inv
133073	133073~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
133073	133073~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
133073	133073~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
133073	133073~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
133073	133073~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
133073	133073~EPA	hse-bla_ch2	Activator	PUC	gnls
133073	133073~EPA	hse-bla_ratio	Activator	PUC	hill
133073	133073~EPA	hse-bla_via	Complex	PUC	gnls.inv
133073	133073~EPA	p53-bla_ch1	Repressor	cca	hill.inv
133073	133073~EPA	p53-bla_ch2	Activator	cca	gnls
133073	133073~EPA	p53-bla_ratio	Activator	cca	gnls
133073	133073~EPA	p53-bla_via	Inactive	cca	cnst
133073	133073~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
133073	133073~NTP	ap1-agonist_ch2	Activator	cca	gnls
133073	133073~NTP	ap1-agonist_ratio	Activator	cca	gnls
133073	133073~NTP	ap1-agonist_via	Activator	cca	hill
133073	133073~NTP	are-bla_ch1	Activator	cca	hill
133073	133073~NTP	are-bla_ch2	Activator	cca	gnls
133073	133073~NTP	are-bla_ratio	Activator	cca	gnls
133073	133073~NTP	are-bla_via	Repressor	cca	hill.inv
133073	133073~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
133073	133073~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
133073	133073~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
133073	133073~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
133073	133073~NTP	hse-bla_ch1	Repressor	cca	hill.inv
133073	133073~NTP	hse-bla_ch2	Activator	cca	gnls
133073	133073~NTP	hse-bla_ratio	Activator	cca	gnls
133073	133073~NTP	hse-bla_via	Complex	cca	gnls.inv
133073	133073~NTP	p53-bla_ch1	Repressor	cca	gnls.inv
133073	133073~NTP	p53-bla_ch2	Activator	cca	gnls
133073	133073~NTP	p53-bla_ratio	Activator	cca	gnls
133073	133073~NTP	p53-bla_via	Repressor	cca	hill.inv
1330865	1330865~EPA	are-bla_ch1	Inactive	cca	cnst
1330865	1330865~EPA	are-bla_ch2	Activator	cca	hill
1330865	1330865~EPA	are-bla_ratio	Activator	cca	hill
1330865	1330865~EPA	are-bla_via	Inactive	cca	cnst
13311314	13311314~NTP	are-bla_ch1	Inactive	cca	cnst
13311314	13311314~NTP	are-bla_ch2	Activator	cca	hill
13311314	13311314~NTP	are-bla_ratio	Activator	cca	hill
13311314	13311314~NTP	are-bla_via	Inactive	cca	cnst
13311847	13311847~EPA	are-bla_ch1	Inactive	cca	cnst
13311847	13311847~EPA	are-bla_ch2	Activator	cca	gnls
13311847	13311847~EPA	are-bla_ratio	Activator	cca	hill
13311847	13311847~EPA	are-bla_via	Inactive	cca	cnst
13311847	13311847~FDA	are-bla_ch1	Inactive	cca	cnst
13311847	13311847~FDA	are-bla_ch2	Activator	cca	hill
13311847	13311847~FDA	are-bla_ratio	Activator	cca	hill
13311847	13311847~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
13311847	13311847~NTP	are-bla_ch1	Inactive	cca	cnst
13311847	13311847~NTP	are-bla_ch2	Activator	cca	gnls
13311847	13311847~NTP	are-bla_ratio	Activator	cca	gnls
13311847	13311847~NTP	are-bla_via	Inactive	cca	cnst
133186	133186~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
133186	133186~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
133186	133186~NTP	ap1-agonist_ratio	Activator	rfp	hill
133186	133186~NTP	ap1-agonist_via	Inactive	rfp	cnst
133305881	133305881~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
133305881	133305881~FDA	p53-bla_ch2	Inactive	rfp	cnst
133305881	133305881~FDA	p53-bla_ratio	Activator	rfp	hill
133305881	133305881~FDA	p53-bla_via	Repressor	rfp	hill.inv
13331527	13331527~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
13331527	13331527~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
13331527	13331527~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
13331527	13331527~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
13331527	13331527~EPA	are-bla_ch1	Repressor	cca	hill.inv
13331527	13331527~EPA	are-bla_ch2	Activator	cca	gnls
13331527	13331527~EPA	are-bla_ratio	Activator	cca	gnls
13331527	13331527~EPA	are-bla_via	Repressor	cca	hill.inv
13331527	13331527~EPA	esre-bla_ch1	Complex	rfp	gnls
13331527	13331527~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
13331527	13331527~EPA	esre-bla_ratio	Activator	rfp	hill
13331527	13331527~EPA	esre-bla_via	Repressor	rfp	hill.inv
13331527	13331527~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13331527	13331527~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
13331527	13331527~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
13331527	13331527~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
13331527	13331527~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
13331527	13331527~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
13331527	13331527~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
13331527	13331527~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
13331527	13331527~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
13331527	13331527~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
13331527	13331527~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
13331527	13331527~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
13331527	13331527~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
13331527	13331527~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
13331527	13331527~EPA	p53-bla_ratio	Activator	rfp	hill
13331527	13331527~EPA	p53-bla_via	Repressor	rfp	hill.inv
13347427	13347427~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
13347427	13347427~EPA	ap1-agonist_ch2	Activator	EOC	hill
13347427	13347427~EPA	ap1-agonist_ratio	Activator	EOC	hill
13347427	13347427~EPA	ap1-agonist_via	Inactive	EOC	cnst
133539	133539~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
133539	133539~EPA	ap1-agonist_ch2	Activator	PUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
133539	133539~EPA	ap1-agonist_ratio	Activator	PUC	hill
133539	133539~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
133584	133584~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
133584	133584~FDA	ap1-agonist_ch2	Activator	PUC	gnls
133584	133584~FDA	ap1-agonist_ratio	Activator	PUC	gnls
133584	133584~FDA	ap1-agonist_via	Repressor	PUC	hill.inv
133584	133584~FDA	are-bla_ch1	Repressor	cca	hill.inv
133584	133584~FDA	are-bla_ch2	Activator	cca	gnls
133584	133584~FDA	are-bla_ratio	Activator	cca	gnls
133584	133584~FDA	are-bla_via	Repressor	cca	hill.inv
133584	133584~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
133584	133584~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
133584	133584~FDA	esre-bla_ratio	Activator	rfp	hill
133584	133584~FDA	esre-bla_via	Repressor	rfp	hill.inv
133584	133584~FDA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
133584	133584~FDA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
133584	133584~FDA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
133584	133584~FDA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
133584	133584~FDA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
133584	133584~FDA	hse-bla_ch2	Activator	EOC/PUC	gnls
133584	133584~FDA	hse-bla_ratio	Activator	EOC/PUC	hill
133584	133584~FDA	hse-bla_via	Repressor	EOC/PUC	hill.inv
133584	133584~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
133584	133584~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
133584	133584~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
133584	133584~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
13360786	13360786~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
13360786	13360786~EPA	ap1-agonist_ch2	Activator	cca	gnls
13360786	13360786~EPA	ap1-agonist_ratio	Activator	cca	gnls
13360786	13360786~EPA	ap1-agonist_via	Inactive	cca	cnst
13360786	13360786~EPA	hse-bla_ch1	Inactive	cca	cnst
13360786	13360786~EPA	hse-bla_ch2	Activator	cca	gnls
13360786	13360786~EPA	hse-bla_ratio	Activator	cca	gnls
13360786	13360786~EPA	hse-bla_via	Inactive	cca	cnst
1338245	1338245~NTP	are-bla_ch1	Inactive	cca	cnst
1338245	1338245~NTP	are-bla_ch2	Activator	cca	hill
1338245	1338245~NTP	are-bla_ratio	Activator	cca	hill
1338245	1338245~NTP	are-bla_via	Inactive	cca	cnst
133855988	133855988~EPA	are-bla_ch1	Inactive	rfn	cnst
133855988	133855988~EPA	are-bla_ch2	Activator	rfn	hill
133855988	133855988~EPA	are-bla_ratio	Inactive	rfn	cnst
133855988	133855988~EPA	are-bla_via	Inactive	rfn	cnst
134098	134098~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
134098	134098~NTP	ap1-agonist_ch2	Activator	EOC	gnls
134098	134098~NTP	ap1-agonist_ratio	Activator	EOC	hill
134098	134098~NTP	ap1-agonist_via	Repressor	EOC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
134098	134098~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
134098	134098~NTP	esre-bla_ch2	Inactive	rfp	cnst
134098	134098~NTP	esre-bla_ratio	Activator	rfp	hill
134098	134098~NTP	esre-bla_via	Repressor	rfp	hill.inv
134098	134098~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
134098	134098~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
134098	134098~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
134098	134098~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
134098	134098~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
134098	134098~NTP	hse-bla_ch2	Inactive	rfp	cnst
134098	134098~NTP	hse-bla_ratio	Activator	rfp	hill
134098	134098~NTP	hse-bla_via	Repressor	rfp	hill.inv
134098	134098~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
134098	134098~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
134098	134098~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
134098	134098~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
134098	134098~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
134098	134098~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
134098	134098~NTP	p53-bla_ratio	Activator	rfp	hill
134098	134098~NTP	p53-bla_via	Repressor	rfp	hill.inv
134305	134305~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
134305	134305~EPA	ap1-agonist_ch2	Activator	cca	gnls
134305	134305~EPA	ap1-agonist_ratio	Activator	cca	gnls
134305	134305~EPA	ap1-agonist_via	Complex	cca	gnls.inv
134305	134305~EPA	are-bla_ch1	Repressor	cca	hill.inv
134305	134305~EPA	are-bla_ch2	Activator	cca	gnls
134305	134305~EPA	are-bla_ratio	Activator	cca	gnls
134305	134305~EPA	are-bla_via	Repressor	cca	hill.inv
134305	134305~EPA	hse-bla_ch1	Repressor	cca	hill.inv
134305	134305~EPA	hse-bla_ch2	Activator	cca	gnls
134305	134305~EPA	hse-bla_ratio	Activator	cca	gnls
134305	134305~EPA	hse-bla_via	Complex	cca	gnls
134308137	134308137~EPA	are-bla_ch1	Activator	rfn	hill
134308137	134308137~EPA	are-bla_ch2	Activator	rfn	gnls
134308137	134308137~EPA	are-bla_ratio	Inactive	rfn	hill.inv
134308137	134308137~EPA	are-bla_via	Repressor	rfn	hill.inv
134308137	134308137~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
134308137	134308137~EPA	p53-bla_ch2	Inactive	rfp	cnst
134308137	134308137~EPA	p53-bla_ratio	Activator	rfp	hill
134308137	134308137~EPA	p53-bla_via	Repressor	rfp	hill.inv
134316	134316~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
134316	134316~EPA	ap1-agonist_ch2	Activator	EOC	gnls.inv
134316	134316~EPA	ap1-agonist_ratio	Activator	EOC	hill
134316	134316~EPA	ap1-agonist_via	Activator	EOC	gnls
134316	134316~EPA	are-bla_ch1	Inactive	cca	cnst
134316	134316~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
134316	134316~EPA	are-bla_ratio	Activator	cca	gnls
134316	134316~EPA	are-bla_via	Repressor	cca	hill.inv
134316	134316~EPA	esre-bla_ch1	Activator	rfn	hill
134316	134316~EPA	esre-bla_ch2	Activator	rfn	gnls
134316	134316~EPA	esre-bla_ratio	Inactive	rfn	cnst
134316	134316~EPA	esre-bla_via	Repressor	rfn	hill.inv
134316	134316~EPA	hse-bla_ch1	Repressor	cca	hill.inv
134316	134316~EPA	hse-bla_ch2	Activator	cca	gnls
134316	134316~EPA	hse-bla_ratio	Activator	cca	hill
134316	134316~EPA	hse-bla_via	Repressor	cca	hill.inv
134316	134316~EPA	p53-bla_ch1	Repressor	cca	hill.inv
134316	134316~EPA	p53-bla_ch2	Activator	cca	hill
134316	134316~EPA	p53-bla_ratio	Activator	cca	hill
134316	134316~EPA	p53-bla_via	Inactive	cca	cnst
134327	134327~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
134327	134327~EPA	ap1-agonist_ch2	Activator	cca	hill
134327	134327~EPA	ap1-agonist_ratio	Activator	cca	hill
134327	134327~EPA	ap1-agonist_via	Inactive	cca	cnst
134327	134327~NTP	ap1-agonist_ch1	Inactive	cca	cnst
134327	134327~NTP	ap1-agonist_ch2	Activator	cca	hill
134327	134327~NTP	ap1-agonist_ratio	Activator	cca	hill
134327	134327~NTP	ap1-agonist_via	Inactive	cca	cnst
134361	134361~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
134361	134361~FDA	p53-bla_ch2	Inactive	rfp	cnst
134361	134361~FDA	p53-bla_ratio	Activator	rfp	hill
134361	134361~FDA	p53-bla_via	Repressor	rfp	hill.inv
134523005	134523005~EPA	are-bla_ch1	Inactive	PUC	cnst
134523005	134523005~EPA	are-bla_ch2	Activator	PUC	hill
134523005	134523005~EPA	are-bla_ratio	Activator	PUC	hill
134523005	134523005~EPA	are-bla_via	Inactive	PUC	cnst
134523038	134523038~EPA	are-bla_ch1	Inactive	EUC/POC	cnst
134523038	134523038~EPA	are-bla_ch2	Activator	EUC/POC	hill
134523038	134523038~EPA	are-bla_ratio	Activator	EUC/POC	hill
134523038	134523038~EPA	are-bla_via	Inactive	EUC/POC	cnst
13453071	13453071~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
13453071	13453071~EPA	ap1-agonist_ch2	Activator	cca	gnls
13453071	13453071~EPA	ap1-agonist_ratio	Activator	cca	gnls
13453071	13453071~EPA	ap1-agonist_via	Inactive	cca	cnst
13453071	13453071~EPA	are-bla_ch1	Repressor	cca	hill.inv
13453071	13453071~EPA	are-bla_ch2	Activator	cca	gnls
13453071	13453071~EPA	are-bla_ratio	Activator	cca	gnls
13453071	13453071~EPA	are-bla_via	Repressor	cca	hill.inv
13453071	13453071~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
13453071	13453071~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
13453071	13453071~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
13453071	13453071~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
13453071	13453071~EPA	hse-bla_ch1	Repressor	EOC/POC	hill.inv
13453071	13453071~EPA	hse-bla_ch2	Activator	EOC/POC	hill
13453071	13453071~EPA	hse-bla_ratio	Activator	EOC/POC	hill
13453071	13453071~EPA	hse-bla_via	Inactive	EOC/POC	cnst
13453071	13453071~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
13453071	13453071~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
13453071	13453071~EPA	p53-bla_ratio	Activator	rfp	hill
13453071	13453071~EPA	p53-bla_via	Inactive	rfp	cnst
13463417	13463417~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
13463417	13463417~EPA	ap1-agonist_ch2	Activator	EOC	gnls
13463417	13463417~EPA	ap1-agonist_ratio	Activator	EOC	gnls
13463417	13463417~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
13463417	13463417~EPA	are-bla_ch1	Repressor	cca	hill.inv
13463417	13463417~EPA	are-bla_ch2	Activator	cca	gnls
13463417	13463417~EPA	are-bla_ratio	Activator	cca	gnls
13463417	13463417~EPA	are-bla_via	Repressor	cca	hill.inv
13463417	13463417~EPA	esre-bla_ch1	Complex	cca	gnls
13463417	13463417~EPA	esre-bla_ch2	Activator	cca	hill
13463417	13463417~EPA	esre-bla_ratio	Activator	cca	hill
13463417	13463417~EPA	esre-bla_via	Repressor	cca	hill.inv
13463417	13463417~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13463417	13463417~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
13463417	13463417~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
13463417	13463417~EPA	hre-bla-agonist_via	Complex	rfp	gnls
13463417	13463417~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
13463417	13463417~EPA	hse-bla_ch2	Activator	EOC	hill
13463417	13463417~EPA	hse-bla_ratio	Activator	EOC	hill
13463417	13463417~EPA	hse-bla_via	Repressor	EOC	hill.inv
13463417	13463417~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
13463417	13463417~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
13463417	13463417~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
13463417	13463417~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
13463417	13463417~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
13463417	13463417~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
13463417	13463417~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
13463417	13463417~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
13463417	13463417~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
13463417	13463417~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
13463417	13463417~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
13463417	13463417~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
13463417	13463417~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
13463417	13463417~NTP	ap1-agonist_ch2	Activator	EOC	gnls
13463417	13463417~NTP	ap1-agonist_ratio	Activator	EOC	gnls
13463417	13463417~NTP	ap1-agonist_via	Repressor	EOC	gnls.inv
13463417	13463417~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13463417	13463417~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
13463417	13463417~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
13463417	13463417~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
13463417	13463417~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
13463417	13463417~NTP	hse-bla_ch2	Activator	EOC	hill
13463417	13463417~NTP	hse-bla_ratio	Activator	EOC	hill
13463417	13463417~NTP	hse-bla_via	Repressor	EOC	hill.inv
13463417	13463417~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
13463417	13463417~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
13463417	13463417~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
13463417	13463417~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
13463417	13463417~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
13463417	13463417~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
13463417	13463417~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
13463417	13463417~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
13466789	13466789~EPA	are-bla_ch1	Inactive	EUC	cnst
13466789	13466789~EPA	are-bla_ch2	Activator	EUC	hill
13466789	13466789~EPA	are-bla_ratio	Activator	EUC	hill
13466789	13466789~EPA	are-bla_via	Inactive	EUC	cnst
13473262	13473262~EPA	are-bla_ch1	Inactive	rfn	cnst
13473262	13473262~EPA	are-bla_ch2	Activator	rfn	hill
13473262	13473262~EPA	are-bla_ratio	Inactive	rfn	cnst
13473262	13473262~EPA	are-bla_via	Inactive	rfn	cnst
13473262	13473262~EPA	hse-bla_ch1	Repressor	cca	hill.inv
13473262	13473262~EPA	hse-bla_ch2	Activator	cca	hill
13473262	13473262~EPA	hse-bla_ratio	Activator	cca	hill
13473262	13473262~EPA	hse-bla_via	Inactive	cca	cnst
13473262	13473262~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
13473262	13473262~EPA	p53-bla_ch2	Inactive	rfp	cnst
13473262	13473262~EPA	p53-bla_ratio	Activator	rfp	hill
13473262	13473262~EPA	p53-bla_via	Inactive	rfp	cnst
13473262	13473262~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13473262	13473262~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
13473262	13473262~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
13473262	13473262~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
13473262	13473262~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
13473262	13473262~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
13473262	13473262~NTP	p53-bla_ratio	Activator	rfp	gnls
13473262	13473262~NTP	p53-bla_via	Inactive	rfp	cnst
134850	134850~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
134850	134850~NTP	ap1-agonist_ch2	Activator	cca	hill
134850	134850~NTP	ap1-agonist_ratio	Activator	cca	hill
134850	134850~NTP	ap1-agonist_via	Inactive	cca	cnst
135079	135079~FDA	are-bla_ch1	Inactive	cca	cnst
135079	135079~FDA	are-bla_ch2	Activator	cca	hill
135079	135079~FDA	are-bla_ratio	Activator	cca	hill
135079	135079~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
135080034	135080034~EPA	hse-bla_ch1	Repressor	rfn	hill.inv
135080034	135080034~EPA	hse-bla_ch2	Activator	rfn	gnls
135080034	135080034~EPA	hse-bla_ratio	Inactive	rfn	cnst
135080034	135080034~EPA	hse-bla_via	Repressor	rfn	hill.inv
135080034	135080034~EPA	p53-bla_ch1	Repressor	cca	hill.inv
135080034	135080034~EPA	p53-bla_ch2	Activator	cca	gnls
135080034	135080034~EPA	p53-bla_ratio	Activator	cca	hill
135080034	135080034~EPA	p53-bla_via	Inactive	cca	cnst
135159512	135159512~FDA	are-bla_ch1	Inactive	rfn	cnst
135159512	135159512~FDA	are-bla_ch2	Activator	rfn	hill
135159512	135159512~FDA	are-bla_ratio	Inactive	rfn	cnst
135159512	135159512~FDA	are-bla_via	Inactive	rfn	cnst
135193	135193~EPA	are-bla_ch1	Repressor	cca	hill.inv
135193	135193~EPA	are-bla_ch2	Activator	cca	hill
135193	135193~EPA	are-bla_ratio	Activator	cca	hill
135193	135193~EPA	are-bla_via	Inactive	cca	cnst
135193	135193~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
135193	135193~NTP	ap1-agonist_ch2	Activator	cca	hill
135193	135193~NTP	ap1-agonist_ratio	Activator	cca	hill
135193	135193~NTP	ap1-agonist_via	Inactive	cca	cnst
135193	135193~NTP	are-bla_ch1	Repressor	cca	hill.inv
135193	135193~NTP	are-bla_ch2	Activator	cca	hill
135193	135193~NTP	are-bla_ratio	Activator	cca	hill
135193	135193~NTP	are-bla_via	Inactive	cca	cnst
135206	135206~EPA	are-bla_ch1	Inactive	cca	cnst
135206	135206~EPA	are-bla_ch2	Activator	cca	hill
135206	135206~EPA	are-bla_ratio	Activator	cca	hill
135206	135206~EPA	are-bla_via	Inactive	cca	cnst
135206	135206~NTP	ap1-agonist_ch1	Inactive	cca	cnst
135206	135206~NTP	ap1-agonist_ch2	Activator	cca	hill
135206	135206~NTP	ap1-agonist_ratio	Activator	cca	hill
135206	135206~NTP	ap1-agonist_via	Inactive	cca	cnst
135239	135239~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
135239	135239~FDA	ap1-agonist_ch2	Activator	cca	hill
135239	135239~FDA	ap1-agonist_ratio	Activator	cca	hill
135239	135239~FDA	ap1-agonist_via	Inactive	cca	cnst
135239	135239~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
135239	135239~NTP	ap1-agonist_ch2	Activator	cca	hill
135239	135239~NTP	ap1-agonist_ratio	Activator	cca	hill
135239	135239~NTP	ap1-agonist_via	Inactive	cca	cnst
135579	135579~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
135579	135579~EPA	ap1-agonist_ch2	Activator	cca	gnls
135579	135579~EPA	ap1-agonist_ratio	Activator	cca	gnls
135579	135579~EPA	ap1-agonist_via	Inactive	cca	cnst
135579	135579~EPA	are-bla_ch1	Repressor	cca	hill.inv
135579	135579~EPA	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
135579	135579~EPA	are-bla_ratio	Activator	cca	hill
135579	135579~EPA	are-bla_via	Inactive	cca	cnst
135579	135579~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
135579	135579~EPA	esre-bla_ch2	Inactive	rfp	cnst
135579	135579~EPA	esre-bla_ratio	Activator	rfp	hill
135579	135579~EPA	esre-bla_via	Inactive	rfp	cnst
135579	135579~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
135579	135579~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
135579	135579~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
135579	135579~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
135579	135579~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
135579	135579~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
135579	135579~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
135579	135579~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
135579	135579~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
135579	135579~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
135579	135579~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
135579	135579~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
135579	135579~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
135579	135579~EPA	p53-bla_ch2	Inactive	rfp	cnst
135579	135579~EPA	p53-bla_ratio	Activator	rfp	hill
135579	135579~EPA	p53-bla_via	Inactive	rfp	cnst
135579	135579~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
135579	135579~NTP	ap1-agonist_ch2	Activator	cca	gnls
135579	135579~NTP	ap1-agonist_ratio	Activator	cca	gnls
135579	135579~NTP	ap1-agonist_via	Inactive	cca	cnst
135579	135579~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
135579	135579~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
135579	135579~NTP	esre-bla_ratio	Activator	rfp	hill
135579	135579~NTP	esre-bla_via	Inactive	rfp	cnst
135579	135579~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
135579	135579~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
135579	135579~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
135579	135579~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
135579	135579~NTP	hse-bla_ch1	Repressor	cca	gnls.inv
135579	135579~NTP	hse-bla_ch2	Activator	cca	gnls
135579	135579~NTP	hse-bla_ratio	Activator	cca	gnls
135579	135579~NTP	hse-bla_via	Inactive	cca	cnst
135579	135579~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
135579	135579~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
135579	135579~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
135579	135579~NTP	nfkb-bla-agonist_via	Inactive	rfp	cnst
135579	135579~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
135579	135579~NTP	p53-bla_ch2	Inactive	rfp	cnst
135579	135579~NTP	p53-bla_ratio	Activator	rfp	hill
135579	135579~NTP	p53-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
135626	135626~EPA	are-bla_ch1	Complex	cca	gnls.inv
135626	135626~EPA	are-bla_ch2	Activator	cca	gnls
135626	135626~EPA	are-bla_ratio	Activator	cca	gnls
135626	135626~EPA	are-bla_via	Repressor	cca	hill.inv
135626	135626~EPA	hse-bla_ch1	Inactive	cca	cnst
135626	135626~EPA	hse-bla_ch2	Activator	cca	hill
135626	135626~EPA	hse-bla_ratio	Activator	cca	hill
135626	135626~EPA	hse-bla_via	Inactive	cca	cnst
135626	135626~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
135626	135626~EPA	p53-bla_ch2	Inactive	rfp	cnst
135626	135626~EPA	p53-bla_ratio	Activator	rfp	gnls
135626	135626~EPA	p53-bla_via	Inactive	rfp	cnst
135659	135659~EPA	are-bla_ch1	Repressor	EUC	hill.inv
135659	135659~EPA	are-bla_ch2	Activator	EUC	gnls
135659	135659~EPA	are-bla_ratio	Activator	EUC	gnls
135659	135659~EPA	are-bla_via	Inactive	EUC	cnst
135659	135659~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
135659	135659~EPA	esre-bla_ch2	Inactive	rfp	cnst
135659	135659~EPA	esre-bla_ratio	Activator	rfp	hill
135659	135659~EPA	esre-bla_via	Inactive	rfp	cnst
135659	135659~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
135659	135659~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
135659	135659~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
135659	135659~EPA	hre-bla-agonist_via	Activator	rfp	hill
135659	135659~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
135659	135659~EPA	hse-bla_ch2	Inactive	rfp	cnst
135659	135659~EPA	hse-bla_ratio	Activator	rfp	hill
135659	135659~EPA	hse-bla_via	Inactive	rfp	cnst
135659	135659~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
135659	135659~EPA	p53-bla_ch2	Inactive	rfp	cnst
135659	135659~EPA	p53-bla_ratio	Activator	rfp	hill
135659	135659~EPA	p53-bla_via	Inactive	rfp	cnst
135886	135886~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
135886	135886~EPA	ap1-agonist_ch2	Activator	EOC	gnls
135886	135886~EPA	ap1-agonist_ratio	Activator	EOC	hill
135886	135886~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
135886	135886~EPA	are-bla_ch1	Repressor	cca	hill.inv
135886	135886~EPA	are-bla_ch2	Activator	cca	gnls
135886	135886~EPA	are-bla_ratio	Activator	cca	hill
135886	135886~EPA	are-bla_via	Inactive	cca	cnst
135886	135886~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
135886	135886~NTP	ap1-agonist_ch2	Activator	cca	gnls
135886	135886~NTP	ap1-agonist_ratio	Activator	cca	hill
135886	135886~NTP	ap1-agonist_via	Repressor	cca	hill.inv
135886	135886~NTP	are-bla_ch1	Repressor	PUC	hill.inv
135886	135886~NTP	are-bla_ch2	Activator	PUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
135886	135886~NTP	are-bla_ratio	Activator	PUC	hill
135886	135886~NTP	are-bla_via	Inactive	PUC	cnst
135886	135886~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
135886	135886~NTP	p53-bla_ch2	Inactive	rfp	cnst
135886	135886~NTP	p53-bla_ratio	Activator	rfp	hill
135886	135886~NTP	p53-bla_via	Inactive	rfp	cnst
136042198	136042198~EPA	are-bla_ch1	Inactive	cca	cnst
136042198	136042198~EPA	are-bla_ch2	Activator	cca	hill
136042198	136042198~EPA	are-bla_ratio	Activator	cca	hill
136042198	136042198~EPA	are-bla_via	Inactive	cca	cnst
136232	136232~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
136232	136232~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
136232	136232~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
136232	136232~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
136232	136232~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
136232	136232~NTP	ap1-agonist_ch2	Activator	cca	gnls
136232	136232~NTP	ap1-agonist_ratio	Activator	cca	gnls
136232	136232~NTP	ap1-agonist_via	Inactive	cca	cnst
136232	136232~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
136232	136232~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
136232	136232~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
136232	136232~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
136232	136232~NTP	hse-bla_ch1	Repressor	cca	hill.inv
136232	136232~NTP	hse-bla_ch2	Activator	cca	gnls
136232	136232~NTP	hse-bla_ratio	Activator	cca	gnls
136232	136232~NTP	hse-bla_via	Inactive	cca	cnst
136232	136232~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
136232	136232~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
136232	136232~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
136232	136232~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
136323	136323~EPA	are-bla_ch1	Inactive	cca	cnst
136323	136323~EPA	are-bla_ch2	Activator	cca	hill
136323	136323~EPA	are-bla_ratio	Activator	cca	hill
136323	136323~EPA	are-bla_via	Inactive	cca	cnst
136356	136356~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
136356	136356~EPA	ap1-agonist_ch2	Activator	cca	hill
136356	136356~EPA	ap1-agonist_ratio	Activator	cca	hill
136356	136356~EPA	ap1-agonist_via	Inactive	cca	cnst
136356	136356~EPA	are-bla_ch1	Repressor	cca	hill.inv
136356	136356~EPA	are-bla_ch2	Activator	cca	gnls
136356	136356~EPA	are-bla_ratio	Activator	cca	hill
136356	136356~EPA	are-bla_via	Inactive	cca	cnst
136356	136356~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
136356	136356~NTP	ap1-agonist_ch2	Activator	cca	gnls
136356	136356~NTP	ap1-agonist_ratio	Activator	cca	gnls
136356	136356~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
136356	136356~NTP	are-bla_ch1	Repressor	cca	hill.inv
136356	136356~NTP	are-bla_ch2	Activator	cca	hill
136356	136356~NTP	are-bla_ratio	Activator	cca	hill
136356	136356~NTP	are-bla_via	Inactive	cca	cnst
13636185	13636185~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
13636185	13636185~FDA	ap1-agonist_ch2	Activator	cca	gnls
13636185	13636185~FDA	ap1-agonist_ratio	Activator	cca	hill
13636185	13636185~FDA	ap1-agonist_via	Inactive	cca	cnst
13636185	13636185~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
13636185	13636185~FDA	p53-bla_ch2	Inactive	rfp	cnst
13636185	13636185~FDA	p53-bla_ratio	Activator	rfp	hill
13636185	13636185~FDA	p53-bla_via	Repressor	rfp	hill.inv
136381856	136381856~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
136381856	136381856~FDA	ap1-agonist_ch2	Activator	cca	hill
136381856	136381856~FDA	ap1-agonist_ratio	Activator	cca	hill
136381856	136381856~FDA	ap1-agonist_via	Inactive	cca	cnst
136381856	136381856~FDA	are-bla_ch1	Repressor	cca	hill.inv
136381856	136381856~FDA	are-bla_ch2	Activator	cca	hill
136381856	136381856~FDA	are-bla_ratio	Activator	cca	hill
136381856	136381856~FDA	are-bla_via	Inactive	cca	cnst
136381856	136381856~FDA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
136381856	136381856~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
136381856	136381856~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
136381856	136381856~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
136403	136403~EPA	are-bla_ch1	Inactive	cca	cnst
136403	136403~EPA	are-bla_ch2	Activator	cca	hill
136403	136403~EPA	are-bla_ratio	Activator	cca	hill
136403	136403~EPA	are-bla_via	Inactive	cca	cnst
136403	136403~EPA	p53-bla_ch1	Repressor	cca	hill.inv
136403	136403~EPA	p53-bla_ch2	Activator	cca	hill
136403	136403~EPA	p53-bla_ratio	Activator	cca	hill
136403	136403~EPA	p53-bla_via	Inactive	cca	cnst
136403	136403~FDA	are-bla_ch1	Repressor	cca	hill.inv
136403	136403~FDA	are-bla_ch2	Activator	cca	hill
136403	136403~FDA	are-bla_ratio	Activator	cca	hill
136403	136403~FDA	are-bla_via	Inactive	cca	cnst
136403	136403~NTP	are-bla_ch1	Repressor	cca	hill.inv
136403	136403~NTP	are-bla_ch2	Activator	cca	gnls
136403	136403~NTP	are-bla_ratio	Activator	cca	gnls
136403	136403~NTP	are-bla_via	Inactive	cca	cnst
136434349	136434349~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
136434349	136434349~FDA	ap1-agonist_ch2	Activator	cca	hill
136434349	136434349~FDA	ap1-agonist_ratio	Activator	cca	hill
136434349	136434349~FDA	ap1-agonist_via	Inactive	cca	cnst
13647353	13647353~EPA	are-bla_ch1	Repressor	EUC	hill.inv
13647353	13647353~EPA	are-bla_ch2	Activator	EUC	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
13647353	13647353~EPA	are-bla_ratio	Activator	EUC	hill
13647353	13647353~EPA	are-bla_via	Inactive	EUC	cnst
13647353	13647353~EPA	p53-bla_ch1	Inactive	cca	cnst
13647353	13647353~EPA	p53-bla_ch2	Activator	cca	hill
13647353	13647353~EPA	p53-bla_ratio	Activator	cca	hill
13647353	13647353~EPA	p53-bla_via	Inactive	cca	cnst
13647353	13647353~FDA	are-bla_ch1	Inactive	cca	cnst
13647353	13647353~FDA	are-bla_ch2	Activator	cca	hill
13647353	13647353~FDA	are-bla_ratio	Activator	cca	hill
13647353	13647353~FDA	are-bla_via	Inactive	cca	cnst
13674878	13674878~NTP	ap1-agonist_ch1	Inactive	cca	cnst
13674878	13674878~NTP	ap1-agonist_ch2	Activator	cca	hill
13674878	13674878~NTP	ap1-agonist_ratio	Activator	cca	hill
13674878	13674878~NTP	ap1-agonist_via	Inactive	cca	cnst
13676545	13676545~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
13676545	13676545~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
13676545	13676545~EPA	ap1-agonist_ratio	Activator	rfp	hill
13676545	13676545~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
13676545	13676545~EPA	are-bla_ch1	Repressor	rfp	hill.inv
13676545	13676545~EPA	are-bla_ch2	Inactive	rfp	hill.inv
13676545	13676545~EPA	are-bla_ratio	Activator	rfp	gnls
13676545	13676545~EPA	are-bla_via	Repressor	rfp	hill.inv
13676545	13676545~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
13676545	13676545~EPA	esre-bla_ch2	Inactive	rfp	cnst
13676545	13676545~EPA	esre-bla_ratio	Activator	rfp	hill
13676545	13676545~EPA	esre-bla_via	Repressor	rfp	hill.inv
13676545	13676545~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
13676545	13676545~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
13676545	13676545~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
13676545	13676545~EPA	hre-bla-agonist_via	Complex	rfp	gnls.inv
13676545	13676545~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
13676545	13676545~EPA	hse-bla_ch2	Activator	EOC	hill
13676545	13676545~EPA	hse-bla_ratio	Activator	EOC	hill
13676545	13676545~EPA	hse-bla_via	Repressor	EOC	hill.inv
13676545	13676545~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
13676545	13676545~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
13676545	13676545~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
13676545	13676545~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
13676545	13676545~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
13676545	13676545~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
13676545	13676545~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
13676545	13676545~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
136776	136776~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
136776	136776~EPA	ap1-agonist_ch2	Activator	cca	gnls
136776	136776~EPA	ap1-agonist_ratio	Activator	cca	hill
136776	136776~EPA	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
136776	136776~EPA	are-bla_ch1	Repressor	cca	hill.inv
136776	136776~EPA	are-bla_ch2	Activator	cca	hill
136776	136776~EPA	are-bla_ratio	Activator	cca	hill
136776	136776~EPA	are-bla_via	Inactive	cca	cnst
136776	136776~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
136776	136776~FDA	ap1-agonist_ch2	Activator	cca	hill
136776	136776~FDA	ap1-agonist_ratio	Activator	cca	hill
136776	136776~FDA	ap1-agonist_via	Inactive	cca	cnst
136776	136776~FDA	are-bla_ch1	Inactive	cca	cnst
136776	136776~FDA	are-bla_ch2	Activator	cca	hill
136776	136776~FDA	are-bla_ratio	Activator	cca	hill
136776	136776~FDA	are-bla_via	Inactive	cca	cnst
136776	136776~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
136776	136776~NTP	ap1-agonist_ch2	Activator	cca	gnls
136776	136776~NTP	ap1-agonist_ratio	Activator	cca	gnls
136776	136776~NTP	ap1-agonist_via	Repressor	cca	hill.inv
136776	136776~NTP	are-bla_ch1	Repressor	cca	hill.inv
136776	136776~NTP	are-bla_ch2	Activator	cca	hill
136776	136776~NTP	are-bla_ratio	Activator	cca	gnls
136776	136776~NTP	are-bla_via	Inactive	cca	cnst
136776	136776~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
136776	136776~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
136776	136776~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
136776	136776~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
136776	136776~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
136776	136776~NTP	p53-bla_ch2	Inactive	rfp	cnst
136776	136776~NTP	p53-bla_ratio	Activator	rfp	hill
136776	136776~NTP	p53-bla_via	Repressor	rfp	hill.inv
13680358	13680358~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
13680358	13680358~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
13680358	13680358~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
13680358	13680358~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
13680358	13680358~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
13680358	13680358~EPA	hse-bla_ch2	Inactive	rfp	cnst
13680358	13680358~EPA	hse-bla_ratio	Activator	rfp	hill
13680358	13680358~EPA	hse-bla_via	Inactive	rfp	cnst
13684634	13684634~NTP	are-bla_ch1	Repressor	cca	hill.inv
13684634	13684634~NTP	are-bla_ch2	Activator	cca	hill
13684634	13684634~NTP	are-bla_ratio	Activator	cca	hill
13684634	13684634~NTP	are-bla_via	Inactive	cca	cnst
13710195	13710195~FDA	are-bla_ch1	Inactive	cca	cnst
13710195	13710195~FDA	are-bla_ch2	Activator	cca	hill
13710195	13710195~FDA	are-bla_ratio	Activator	cca	hill
13710195	13710195~FDA	are-bla_via	Inactive	cca	cnst
137199	137199~NTP	are-bla_ch1	Inactive	cca	cnst
137199	137199~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
137199	137199~NTP	are-bla_ratio	Activator	cca	hill
137199	137199~NTP	are-bla_via	Inactive	cca	cnst
137199	137199~NTP	hse-bla_ch1	Inactive	cca	cnst
137199	137199~NTP	hse-bla_ch2	Activator	cca	hill
137199	137199~NTP	hse-bla_ratio	Activator	cca	hill
137199	137199~NTP	hse-bla_via	Inactive	cca	cnst
137268	137268~EPA	ap1-agonist_ch1	Repressor	EOC	gnls.inv
137268	137268~EPA	ap1-agonist_ch2	Activator	EOC	gnls
137268	137268~EPA	ap1-agonist_ratio	Activator	EOC	gnls
137268	137268~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
137268	137268~EPA	are-bla_ch1	Repressor	PUC	hill.inv
137268	137268~EPA	are-bla_ch2	Activator	PUC	gnls
137268	137268~EPA	are-bla_ratio	Activator	PUC	gnls
137268	137268~EPA	are-bla_via	Repressor	PUC	hill.inv
137268	137268~EPA	esre-bla_ch1	Complex	rfp	gnls.inv
137268	137268~EPA	esre-bla_ch2	Inactive	rfp	cnst
137268	137268~EPA	esre-bla_ratio	Activator	rfp	gnls
137268	137268~EPA	esre-bla_via	Inactive	rfp	cnst
137268	137268~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
137268	137268~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
137268	137268~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
137268	137268~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
137268	137268~EPA	hse-bla_ch1	Repressor	EOC/PUC	gnls.inv
137268	137268~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
137268	137268~EPA	hse-bla_ratio	Activator	EOC/PUC	gnls
137268	137268~EPA	hse-bla_via	Complex	EOC/PUC	gnls.inv
137268	137268~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	gnls.inv
137268	137268~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
137268	137268~EPA	nfkb-bla-agonist_ratio	Activator	rfp	gnls
137268	137268~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
137268	137268~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
137268	137268~FDA	ap1-agonist_ch2	Activator	cca	gnls
137268	137268~FDA	ap1-agonist_ratio	Activator	cca	gnls
137268	137268~FDA	ap1-agonist_via	Repressor	cca	hill.inv
137268	137268~FDA	esre-bla_ch1	Complex	rfp	gnls.inv
137268	137268~FDA	esre-bla_ch2	Inactive	rfp	cnst
137268	137268~FDA	esre-bla_ratio	Activator	rfp	gnls
137268	137268~FDA	esre-bla_via	Inactive	rfp	cnst
137268	137268~FDA	hse-bla_ch1	Repressor	cca	hill.inv
137268	137268~FDA	hse-bla_ch2	Activator	cca	hill
137268	137268~FDA	hse-bla_ratio	Activator	cca	gnls
137268	137268~FDA	hse-bla_via	Repressor	cca	gnls.inv
137268	137268~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	gnls.inv
137268	137268~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
137268	137268~FDA	nfkb-bla-agonist_ratio	Activator	rfp	gnls
137268	137268~FDA	nfkb-bla-agonist_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
137268	137268~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
137268	137268~NTP	ap1-agonist_ch2	Activator	cca	gnls
137268	137268~NTP	ap1-agonist_ratio	Activator	cca	gnls
137268	137268~NTP	ap1-agonist_via	Repressor	cca	hill.inv
137268	137268~NTP	are-bla_ch1	Activator	rfp	hill
137268	137268~NTP	are-bla_ch2	Inactive	rfp	cnst
137268	137268~NTP	are-bla_ratio	Activator	rfp	gnls
137268	137268~NTP	are-bla_via	Repressor	rfp	hill.inv
137268	137268~NTP	esre-bla_ch1	Complex	rfp	gnls.inv
137268	137268~NTP	esre-bla_ch2	Inactive	rfp	cnst
137268	137268~NTP	esre-bla_ratio	Activator	rfp	gnls
137268	137268~NTP	esre-bla_via	Inactive	rfp	cnst
137268	137268~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
137268	137268~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
137268	137268~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
137268	137268~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
137268	137268~NTP	hse-bla_ch1	Repressor	EUC	gnls.inv
137268	137268~NTP	hse-bla_ch2	Activator	EUC	gnls
137268	137268~NTP	hse-bla_ratio	Activator	EUC	gnls
137268	137268~NTP	hse-bla_via	Repressor	EUC	gnls.inv
137268	137268~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
137268	137268~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
137268	137268~NTP	p53-bla_ratio	Activator	rfp	hill
137268	137268~NTP	p53-bla_via	Repressor	rfp	hill.inv
137291	137291~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
137291	137291~NTP	ap1-agonist_ch2	Activator	cca	gnls
137291	137291~NTP	ap1-agonist_ratio	Activator	cca	gnls
137291	137291~NTP	ap1-agonist_via	Complex	cca	gnls
137291	137291~NTP	are-bla_ch1	Repressor	EUC/POC	hill.inv
137291	137291~NTP	are-bla_ch2	Activator	EUC/POC	gnls
137291	137291~NTP	are-bla_ratio	Activator	EUC/POC	gnls
137291	137291~NTP	are-bla_via	Repressor	EUC/POC	hill.inv
137291	137291~NTP	esre-bla_ch1	Complex	rfp	gnls
137291	137291~NTP	esre-bla_ch2	Inactive	rfp	cnst
137291	137291~NTP	esre-bla_ratio	Activator	rfp	hill
137291	137291~NTP	esre-bla_via	Repressor	rfp	hill.inv
137291	137291~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
137291	137291~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
137291	137291~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
137291	137291~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
137291	137291~NTP	hse-bla_ch1	Repressor	cca	hill.inv
137291	137291~NTP	hse-bla_ch2	Activator	cca	gnls
137291	137291~NTP	hse-bla_ratio	Activator	cca	hill
137291	137291~NTP	hse-bla_via	Complex	cca	gnls.inv
137291	137291~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
137291	137291~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
137291	137291~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
137291	137291~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
137304	137304~EPA	ap1-agonist_ch1	Repressor	rfn	hill.inv
137304	137304~EPA	ap1-agonist_ch2	Activator	rfn	gnls
137304	137304~EPA	ap1-agonist_ratio	Inactive	rfn	gnls.inv
137304	137304~EPA	ap1-agonist_via	Complex	rfn	gnls
137304	137304~EPA	are-bla_ch1	Repressor	cca	hill.inv
137304	137304~EPA	are-bla_ch2	Activator	cca	gnls
137304	137304~EPA	are-bla_ratio	Activator	cca	gnls
137304	137304~EPA	are-bla_via	Repressor	cca	hill.inv
137304	137304~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
137304	137304~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
137304	137304~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
137304	137304~EPA	hre-bla-agonist_via	Repressor	rfp	gnls.inv
137304	137304~EPA	hse-bla_ch1	Repressor	EUC/POC	hill.inv
137304	137304~EPA	hse-bla_ch2	Activator	EUC/POC	gnls
137304	137304~EPA	hse-bla_ratio	Activator	EUC/POC	hill
137304	137304~EPA	hse-bla_via	Repressor	EUC/POC	hill.inv
137304	137304~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
137304	137304~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
137304	137304~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
137304	137304~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
137304	137304~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
137304	137304~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
137304	137304~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
137304	137304~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
137304	137304~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
137304	137304~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
137304	137304~NTP	ap1-agonist_ratio	Activator	rfp	hill
137304	137304~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
137304	137304~NTP	esre-bla_ch1	Activator	cca	hill
137304	137304~NTP	esre-bla_ch2	Activator	cca	hill
137304	137304~NTP	esre-bla_ratio	Activator	cca	hill
137304	137304~NTP	esre-bla_via	Repressor	cca	hill.inv
137304	137304~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
137304	137304~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
137304	137304~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
137304	137304~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
137304	137304~NTP	hse-bla_ch1	Repressor	EUC/POC	hill.inv
137304	137304~NTP	hse-bla_ch2	Activator	EUC/POC	gnls
137304	137304~NTP	hse-bla_ratio	Activator	EUC/POC	hill
137304	137304~NTP	hse-bla_via	Repressor	EUC/POC	hill.inv
137304	137304~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
137304	137304~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
137304	137304~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
137304	137304~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
137304	137304~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
137304	137304~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
137304	137304~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
137304	137304~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
13739021	13739021~FDA	are-bla_ch1	Repressor	EUC	hill.inv
13739021	13739021~FDA	are-bla_ch2	Activator	EUC	hill
13739021	13739021~FDA	are-bla_ratio	Activator	EUC	hill
13739021	13739021~FDA	are-bla_via	Inactive	EUC	cnst
13755389	13755389~FDA	are-bla_ch1	Repressor	cca	hill.inv
13755389	13755389~FDA	are-bla_ch2	Activator	cca	hill
13755389	13755389~FDA	are-bla_ratio	Activator	cca	hill
13755389	13755389~FDA	are-bla_via	Inactive	cca	cnst
137666	137666~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
137666	137666~EPA	hse-bla_ch2	Inactive	rfp	cnst
137666	137666~EPA	hse-bla_ratio	Activator	rfp	hill
137666	137666~EPA	hse-bla_via	Repressor	rfp	hill.inv
13820412	13820412~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
13820412	13820412~NTP	ap1-agonist_ch2	Activator	PUC	hill
13820412	13820412~NTP	ap1-agonist_ratio	Activator	PUC	hill
13820412	13820412~NTP	ap1-agonist_via	Inactive	PUC	cnst
13820412	13820412~NTP	are-bla_ch1	Inactive	cca	cnst
13820412	13820412~NTP	are-bla_ch2	Activator	cca	hill
13820412	13820412~NTP	are-bla_ratio	Activator	cca	hill
13820412	13820412~NTP	are-bla_via	Inactive	cca	cnst
138472012	138472012~EPA	are-bla_ch1	Repressor	PUC	hill.inv
138472012	138472012~EPA	are-bla_ch2	Activator	PUC	hill
138472012	138472012~EPA	are-bla_ratio	Activator	PUC	hill
138472012	138472012~EPA	are-bla_via	Inactive	PUC	cnst
13877913	13877913~EPA	are-bla_ch1	Inactive	cca	cnst
13877913	13877913~EPA	are-bla_ch2	Activator	cca	hill
13877913	13877913~EPA	are-bla_ratio	Activator	cca	hill
13877913	13877913~EPA	are-bla_via	Inactive	cca	cnst
138786671	138786671~EPA	are-bla_ch1	Repressor	cca	hill.inv
138786671	138786671~EPA	are-bla_ch2	Activator	cca	hill
138786671	138786671~EPA	are-bla_ratio	Activator	cca	hill
138786671	138786671~EPA	are-bla_via	Inactive	cca	cnst
138896	138896~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
138896	138896~EPA	ap1-agonist_ch2	Activator	cca	gnls
138896	138896~EPA	ap1-agonist_ratio	Activator	cca	gnls
138896	138896~EPA	ap1-agonist_via	Complex	cca	gnls
138896	138896~EPA	are-bla_ch1	Inactive	cca	cnst
138896	138896~EPA	are-bla_ch2	Activator	cca	gnls
138896	138896~EPA	are-bla_ratio	Activator	cca	gnls
138896	138896~EPA	are-bla_via	Repressor	cca	hill.inv
138896	138896~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
138896	138896~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
138896	138896~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
138896	138896~EPA	hre-bla-agonist_via	Complex	rfp	gnls
138896	138896~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
138896	138896~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
138896	138896~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
138896	138896~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
138896	138896~EPA	p53-bla_ch1	Repressor	cca	hill.inv
138896	138896~EPA	p53-bla_ch2	Activator	cca	gnls
138896	138896~EPA	p53-bla_ratio	Activator	cca	gnls
138896	138896~EPA	p53-bla_via	Inactive	cca	cnst
138896	138896~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
138896	138896~NTP	ap1-agonist_ch2	Activator	cca	gnls
138896	138896~NTP	ap1-agonist_ratio	Activator	cca	gnls
138896	138896~NTP	ap1-agonist_via	Complex	cca	gnls
138896	138896~NTP	are-bla_ch1	Repressor	cca	hill.inv
138896	138896~NTP	are-bla_ch2	Activator	cca	gnls
138896	138896~NTP	are-bla_ratio	Activator	cca	gnls
138896	138896~NTP	are-bla_via	Repressor	cca	hill.inv
138896	138896~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
138896	138896~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
138896	138896~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
138896	138896~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
138896	138896~NTP	hse-bla_ch1	Repressor	cca	hill.inv
138896	138896~NTP	hse-bla_ch2	Activator	cca	gnls
138896	138896~NTP	hse-bla_ratio	Activator	cca	hill
138896	138896~NTP	hse-bla_via	Repressor	cca	hill.inv
138896	138896~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
138896	138896~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
138896	138896~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
138896	138896~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
138896	138896~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
138896	138896~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
138896	138896~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
138896	138896~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
139071	139071~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
139071	139071~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
139071	139071~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
139071	139071~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
139071	139071~EPA	are-bla_ch1	Repressor	cca	hill.inv
139071	139071~EPA	are-bla_ch2	Activator	cca	gnls
139071	139071~EPA	are-bla_ratio	Activator	cca	gnls
139071	139071~EPA	are-bla_via	Repressor	cca	hill.inv
139071	139071~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
139071	139071~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
139071	139071~EPA	esre-bla_ratio	Activator	rfp	hill
139071	139071~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
139071	139071~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
139071	139071~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
139071	139071~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
139071	139071~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
139071	139071~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
139071	139071~EPA	hse-bla_ch2	Inactive	rfp	cnst
139071	139071~EPA	hse-bla_ratio	Activator	rfp	hill
139071	139071~EPA	hse-bla_via	Repressor	rfp	hill.inv
139071	139071~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
139071	139071~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
139071	139071~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
139071	139071~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
139071	139071~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
139071	139071~EPA	p53-bla_ch2	Inactive	rfp	cnst
139071	139071~EPA	p53-bla_ratio	Activator	rfp	hill
139071	139071~EPA	p53-bla_via	Repressor	rfp	hill.inv
139139	139139~NTP	are-bla_ch1	Inactive	cca	cnst
139139	139139~NTP	are-bla_ch2	Activator	cca	hill
139139	139139~NTP	are-bla_ratio	Activator	cca	hill
139139	139139~NTP	are-bla_via	Inactive	cca	cnst
139149556	139149556~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
139149556	139149556~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
139149556	139149556~EPA	ap1-agonist_ratio	Activator	rfp	hill
139149556	139149556~EPA	ap1-agonist_via	Inactive	rfp	cnst
13927770	13927770~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
13927770	13927770~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
13927770	13927770~NTP	hre-bla-agonist_ratio	Activator	cca	gnls
13927770	13927770~NTP	hre-bla-agonist_via	Inactive	cca	cnst
139340560	139340560~EPA	are-bla_ch1	Repressor	cca	hill.inv
139340560	139340560~EPA	are-bla_ch2	Activator	cca	gnls
139340560	139340560~EPA	are-bla_ratio	Activator	cca	gnls
139340560	139340560~EPA	are-bla_via	Repressor	cca	hill.inv
139340560	139340560~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
139340560	139340560~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
139340560	139340560~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
139340560	139340560~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
139340560	139340560~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
139340560	139340560~EPA	hse-bla_ch2	Inactive	rfp	cnst
139340560	139340560~EPA	hse-bla_ratio	Activator	rfp	hill
139340560	139340560~EPA	hse-bla_via	Repressor	rfp	hill.inv
139340560	139340560~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
139340560	139340560~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
139340560	139340560~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
139340560	139340560~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
139340560	139340560~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
139340560	139340560~EPA	p53-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
139340560	139340560~EPA	p53-bla_ratio	Activator	rfp	hill
139340560	139340560~EPA	p53-bla_via	Repressor	rfp	hill.inv
1393482	1393482~FDA	p53-bla_ch1	Inactive	EUC	cnst
1393482	1393482~FDA	p53-bla_ch2	Activator	EUC	hill
1393482	1393482~FDA	p53-bla_ratio	Activator	EUC	hill
1393482	1393482~FDA	p53-bla_via	Inactive	EUC	cnst
139481597	139481597~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
139481597	139481597~FDA	p53-bla_ch2	Inactive	rfp	cnst
139481597	139481597~FDA	p53-bla_ratio	Activator	rfp	hill
139481597	139481597~FDA	p53-bla_via	Repressor	rfp	hill.inv
139628	139628~FDA	ap1-agonist_ch1	Inactive	cca	cnst
139628	139628~FDA	ap1-agonist_ch2	Activator	cca	hill
139628	139628~FDA	ap1-agonist_ratio	Activator	cca	hill
139628	139628~FDA	ap1-agonist_via	Inactive	cca	cnst
139651	139651~NTP	are-bla_ch1	Inactive	cca	cnst
139651	139651~NTP	are-bla_ch2	Activator	cca	hill
139651	139651~NTP	are-bla_ratio	Activator	cca	hill
139651	139651~NTP	are-bla_via	Inactive	cca	cnst
139662	139662~EPA	hse-bla_ch1	Repressor	cca	hill.inv
139662	139662~EPA	hse-bla_ch2	Activator	cca	gnls
139662	139662~EPA	hse-bla_ratio	Activator	cca	gnls
139662	139662~EPA	hse-bla_via	Inactive	cca	cnst
13967505	13967505~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
13967505	13967505~EPA	ap1-agonist_ch2	Activator	cca	gnls
13967505	13967505~EPA	ap1-agonist_ratio	Activator	cca	gnls
13967505	13967505~EPA	ap1-agonist_via	Inactive	cca	cnst
13967505	13967505~EPA	are-bla_ch1	Repressor	cca	hill.inv
13967505	13967505~EPA	are-bla_ch2	Activator	cca	gnls
13967505	13967505~EPA	are-bla_ratio	Activator	cca	gnls
13967505	13967505~EPA	are-bla_via	Repressor	cca	hill.inv
13967505	13967505~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
13967505	13967505~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
13967505	13967505~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
13967505	13967505~EPA	hre-bla-agonist_via	Complex	EOC/PUC	gnls
13967505	13967505~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
13967505	13967505~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
13967505	13967505~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
13967505	13967505~EPA	hse-bla_via	Complex	EOC/PUC	gnls
13967505	13967505~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
13967505	13967505~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
13967505	13967505~EPA	p53-bla_ratio	Activator	rfp	hill
13967505	13967505~EPA	p53-bla_via	Repressor	rfp	hill.inv
1397893	1397893~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1397893	1397893~NTP	ap1-agonist_ch2	Activator	cca	hill
1397893	1397893~NTP	ap1-agonist_ratio	Activator	cca	hill
1397893	1397893~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
139968493	139968493~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
139968493	139968493~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
139968493	139968493~NTP	ap1-agonist_ratio	Activator	rfp	hill
139968493	139968493~NTP	ap1-agonist_via	Inactive	rfp	cnst
139968493	139968493~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
139968493	139968493~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
139968493	139968493~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
139968493	139968493~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
14008481	14008481~FDA	p53-bla_ch1	Repressor	cca	hill.inv
14008481	14008481~FDA	p53-bla_ch2	Activator	cca	gnls
14008481	14008481~FDA	p53-bla_ratio	Activator	cca	gnls
14008481	14008481~FDA	p53-bla_via	Inactive	cca	cnst
1401554	1401554~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1401554	1401554~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
1401554	1401554~EPA	ap1-agonist_ratio	Activator	EOC/PUC	gnls
1401554	1401554~EPA	ap1-agonist_via	Inactive	EOC/PUC	cnst
1401554	1401554~EPA	are-bla_ch1	Repressor	cca	hill.inv
1401554	1401554~EPA	are-bla_ch2	Activator	cca	hill
1401554	1401554~EPA	are-bla_ratio	Activator	cca	hill
1401554	1401554~EPA	are-bla_via	Inactive	cca	cnst
1401554	1401554~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1401554	1401554~EPA	esre-bla_ch2	Inactive	rfp	cnst
1401554	1401554~EPA	esre-bla_ratio	Activator	rfp	hill
1401554	1401554~EPA	esre-bla_via	Inactive	rfp	cnst
1401554	1401554~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
1401554	1401554~EPA	hre-bla-agonist_ch2	Activator	cca	hill
1401554	1401554~EPA	hre-bla-agonist_ratio	Activator	cca	hill
1401554	1401554~EPA	hre-bla-agonist_via	Inactive	cca	cnst
1401554	1401554~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1401554	1401554~EPA	hse-bla_ch2	Inactive	rfp	cnst
1401554	1401554~EPA	hse-bla_ratio	Activator	rfp	hill
1401554	1401554~EPA	hse-bla_via	Inactive	rfp	cnst
1401554	1401554~EPA	p53-bla_ch1	Repressor	cca	hill.inv
1401554	1401554~EPA	p53-bla_ch2	Activator	cca	gnls
1401554	1401554~EPA	p53-bla_ratio	Activator	cca	hill
1401554	1401554~EPA	p53-bla_via	Inactive	cca	cnst
1401554	1401554~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1401554	1401554~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
1401554	1401554~FDA	p53-bla_ratio	Activator	EOC/PUC	gnls
1401554	1401554~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
14028445	14028445~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
14028445	14028445~EPA	ap1-agonist_ch2	Activator	EOC/PUC	hill
14028445	14028445~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
14028445	14028445~EPA	ap1-agonist_via	Inactive	EOC/PUC	cnst
14028445	14028445~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
14028445	14028445~EPA	esre-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
14028445	14028445~EPA	esre-bla_ratio	Activator	rfp	hill
14028445	14028445~EPA	esre-bla_via	Inactive	rfp	cnst
14028445	14028445~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
14028445	14028445~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
14028445	14028445~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
14028445	14028445~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
14028445	14028445~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
14028445	14028445~EPA	hse-bla_ch2	Inactive	rfp	cnst
14028445	14028445~EPA	hse-bla_ratio	Activator	rfp	hill
14028445	14028445~EPA	hse-bla_via	Inactive	rfp	cnst
14028445	14028445~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
14028445	14028445~FDA	ap1-agonist_ch2	Activator	EOC	hill
14028445	14028445~FDA	ap1-agonist_ratio	Activator	EOC	hill
14028445	14028445~FDA	ap1-agonist_via	Inactive	EOC	cnst
14028445	14028445~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
14028445	14028445~FDA	esre-bla_ch2	Inactive	rfp	cnst
14028445	14028445~FDA	esre-bla_ratio	Activator	rfp	hill
14028445	14028445~FDA	esre-bla_via	Inactive	rfp	cnst
14028445	14028445~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
14028445	14028445~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
14028445	14028445~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
14028445	14028445~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
1404882	1404882~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1404882	1404882~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
1404882	1404882~FDA	p53-bla_ratio	Activator	rfp	gnls
1404882	1404882~FDA	p53-bla_via	Repressor	rfp	hill.inv
140498	140498~EPA	are-bla_ch1	Repressor	EUC	hill.inv
140498	140498~EPA	are-bla_ch2	Activator	EUC	gnls
140498	140498~EPA	are-bla_ratio	Activator	EUC	gnls
140498	140498~EPA	are-bla_via	Repressor	EUC	hill.inv
140498	140498~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
140498	140498~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
140498	140498~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
140498	140498~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
140498	140498~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
140498	140498~EPA	hse-bla_ch2	Activator	EOC	hill
140498	140498~EPA	hse-bla_ratio	Activator	EOC	hill
140498	140498~EPA	hse-bla_via	Complex	EOC	gnls.inv
140498	140498~EPA	p53-bla_ch1	Repressor	EOC	gnls.inv
140498	140498~EPA	p53-bla_ch2	Activator	EOC	gnls
140498	140498~EPA	p53-bla_ratio	Activator	EOC	gnls
140498	140498~EPA	p53-bla_via	Repressor	EOC	hill.inv
140498	140498~NTP	are-bla_ch1	Repressor	cca	hill.inv
140498	140498~NTP	are-bla_ch2	Activator	cca	hill
140498	140498~NTP	are-bla_ratio	Activator	cca	hill
140498	140498~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
140567	140567~EPA	are-bla_ch1	Repressor	EUC	hill.inv
140567	140567~EPA	are-bla_ch2	Activator	EUC	hill
140567	140567~EPA	are-bla_ratio	Activator	EUC	hill
140567	140567~EPA	are-bla_via	Inactive	EUC	cnst
140567	140567~FDA	are-bla_ch1	Repressor	cca	hill.inv
140567	140567~FDA	are-bla_ch2	Activator	cca	hill
140567	140567~FDA	are-bla_ratio	Activator	cca	hill
140567	140567~FDA	are-bla_via	Inactive	cca	cnst
140567	140567~NTP	are-bla_ch1	Repressor	cca	hill.inv
140567	140567~NTP	are-bla_ch2	Activator	cca	hill
140567	140567~NTP	are-bla_ratio	Activator	cca	hill
140567	140567~NTP	are-bla_via	Inactive	cca	cnst
140647	140647~EPA	are-bla_ch1	Complex	cca	gnls.inv
140647	140647~EPA	are-bla_ch2	Activator	cca	gnls
140647	140647~EPA	are-bla_ratio	Activator	cca	gnls
140647	140647~EPA	are-bla_via	Inactive	cca	cnst
140647	140647~FDA	are-bla_ch1	Repressor	cca	hill.inv
140647	140647~FDA	are-bla_ch2	Activator	cca	gnls
140647	140647~FDA	are-bla_ratio	Activator	cca	gnls
140647	140647~FDA	are-bla_via	Inactive	cca	cnst
140647	140647~NTP	are-bla_ch1	Repressor	cca	gnls.inv
140647	140647~NTP	are-bla_ch2	Activator	cca	gnls
140647	140647~NTP	are-bla_ratio	Activator	cca	gnls
140647	140647~NTP	are-bla_via	Inactive	cca	cnst
140669	140669~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
140669	140669~EPA	ap1-agonist_ratio	Activator	rfp	hill
140669	140669~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
140669	140669~EPA	are-bla_ch1	Repressor	rfp	hill.inv
140669	140669~EPA	are-bla_ch2	Inactive	rfp	hill.inv
140669	140669~EPA	are-bla_ratio	Activator	rfp	gnls
140669	140669~EPA	are-bla_via	Repressor	rfp	hill.inv
140669	140669~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
140669	140669~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
140669	140669~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
140669	140669~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
140669	140669~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
140669	140669~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
140669	140669~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
140669	140669~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
140669	140669~EPA	p53-bla_ratio	Activator	rfp	hill
140669	140669~EPA	p53-bla_via	Repressor	rfp	hill.inv
140669	140669~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
140669	140669~FDA	ap1-agonist_ratio	Activator	rfp	gnls
140669	140669~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
140669	140669~FDA	are-bla_ch1	Repressor	rfp	hill.inv
140669	140669~FDA	are-bla_ch2	Inactive	rfp	hill.inv
140669	140669~FDA	are-bla_ratio	Activator	rfp	gnls
140669	140669~FDA	are-bla_via	Repressor	rfp	hill.inv
140669	140669~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
140669	140669~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
140669	140669~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
140669	140669~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
140669	140669~FDA	hse-bla_ch2	Inactive	rfp	cnst
140669	140669~FDA	hse-bla_ratio	Activator	rfp	hill
140669	140669~FDA	hse-bla_via	Repressor	rfp	hill.inv
140669	140669~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
140669	140669~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
140669	140669~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
140669	140669~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
140669	140669~FDA	p53-bla_ch2	Inactive	rfp	cnst
140669	140669~FDA	p53-bla_ratio	Activator	rfp	hill
140669	140669~FDA	p53-bla_via	Repressor	rfp	hill.inv
140669	140669~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
140669	140669~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
140669	140669~NTP	ap1-agonist_ratio	Activator	rfp	gnls
140669	140669~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
140669	140669~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
140669	140669~NTP	p53-bla_ch2	Inactive	rfp	cnst
140669	140669~NTP	p53-bla_ratio	Activator	rfp	hill
140669	140669~NTP	p53-bla_via	Repressor	rfp	hill.inv
140727	140727~EPA	are-bla_ch1	Repressor	cca	hill.inv
140727	140727~EPA	are-bla_ch2	Activator	cca	gnls
140727	140727~EPA	are-bla_ratio	Activator	cca	gnls
140727	140727~EPA	are-bla_via	Repressor	cca	hill.inv
140727	140727~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
140727	140727~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
140727	140727~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
140727	140727~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
140727	140727~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
140727	140727~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
140727	140727~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
140727	140727~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
140727	140727~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
140727	140727~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
140727	140727~EPA	p53-bla_ratio	Activator	rfp	hill
140727	140727~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
140727	140727~FDA	are-bla_ch1	Repressor	cca	hill.inv
140727	140727~FDA	are-bla_ch2	Activator	cca	gnls
140727	140727~FDA	are-bla_ratio	Activator	cca	gnls
140727	140727~FDA	are-bla_via	Repressor	cca	hill.inv
140727	140727~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
140727	140727~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
140727	140727~NTP	ap1-agonist_ratio	Activator	rfp	hill
140727	140727~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
140727	140727~NTP	are-bla_ch1	Repressor	cca	hill.inv
140727	140727~NTP	are-bla_ch2	Activator	cca	gnls
140727	140727~NTP	are-bla_ratio	Activator	cca	gnls
140727	140727~NTP	are-bla_via	Repressor	cca	hill.inv
140727	140727~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
140727	140727~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
140727	140727~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
140727	140727~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
140727	140727~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
140727	140727~NTP	hse-bla_ch2	Inactive	rfp	cnst
140727	140727~NTP	hse-bla_ratio	Activator	rfp	hill
140727	140727~NTP	hse-bla_via	Repressor	rfp	hill.inv
140727	140727~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
140727	140727~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
140727	140727~NTP	p53-bla_ratio	Activator	rfp	hill
140727	140727~NTP	p53-bla_via	Repressor	rfp	hill.inv
140896	140896~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
140896	140896~EPA	ap1-agonist_ch2	Activator	cca	gnls
140896	140896~EPA	ap1-agonist_ratio	Activator	cca	gnls
140896	140896~EPA	ap1-agonist_via	Activator	cca	hill
140896	140896~EPA	hse-bla_ch1	Repressor	cca	hill.inv
140896	140896~EPA	hse-bla_ch2	Activator	cca	hill
140896	140896~EPA	hse-bla_ratio	Activator	cca	hill
140896	140896~EPA	hse-bla_via	Repressor	cca	hill.inv
140909	140909~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
140909	140909~EPA	ap1-agonist_ch2	Activator	cca	gnls
140909	140909~EPA	ap1-agonist_ratio	Activator	cca	gnls
140909	140909~EPA	ap1-agonist_via	Activator	cca	hill
140909	140909~EPA	are-bla_ch1	Inactive	cca	cnst
140909	140909~EPA	are-bla_ch2	Activator	cca	hill
140909	140909~EPA	are-bla_ratio	Activator	cca	hill
140909	140909~EPA	are-bla_via	Inactive	cca	cnst
140909	140909~EPA	hse-bla_ch1	Inactive	cca	cnst
140909	140909~EPA	hse-bla_ch2	Activator	cca	gnls
140909	140909~EPA	hse-bla_ratio	Activator	cca	gnls
140909	140909~EPA	hse-bla_via	Inactive	cca	cnst
140932	140932~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
140932	140932~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
140932	140932~EPA	ap1-agonist_ratio	Activator	cca	gnls
140932	140932~EPA	ap1-agonist_via	Inactive	cca	cnst
140932	140932~EPA	hse-bla_ch1	Inactive	cca	cnst
140932	140932~EPA	hse-bla_ch2	Activator	cca	hill
140932	140932~EPA	hse-bla_ratio	Activator	cca	hill
140932	140932~EPA	hse-bla_via	Inactive	cca	cnst
14096516	14096516~FDA	ap1-agonist_ch1	Inactive	cca	cnst
14096516	14096516~FDA	ap1-agonist_ch2	Activator	cca	hill
14096516	14096516~FDA	ap1-agonist_ratio	Activator	cca	hill
14096516	14096516~FDA	ap1-agonist_via	Inactive	cca	cnst
14096516	14096516~FDA	are-bla_ch1	Repressor	cca	hill.inv
14096516	14096516~FDA	are-bla_ch2	Activator	cca	hill
14096516	14096516~FDA	are-bla_ratio	Activator	cca	hill
14096516	14096516~FDA	are-bla_via	Inactive	cca	cnst
141059	141059~EPA	are-bla_ch1	Inactive	EUC	cnst
141059	141059~EPA	are-bla_ch2	Activator	EUC	hill
141059	141059~EPA	are-bla_ratio	Activator	EUC	hill
141059	141059~EPA	are-bla_via	Inactive	EUC	cnst
141059	141059~NTP	are-bla_ch1	Inactive	cca	cnst
141059	141059~NTP	are-bla_ch2	Activator	cca	hill
141059	141059~NTP	are-bla_ratio	Activator	cca	hill
141059	141059~NTP	are-bla_via	Inactive	cca	cnst
141200240	141200240~FDA	are-bla_ch1	Inactive	cca	cnst
141200240	141200240~FDA	are-bla_ch2	Activator	cca	hill
141200240	141200240~FDA	are-bla_ratio	Activator	cca	hill
141200240	141200240~FDA	are-bla_via	Inactive	cca	cnst
141220	141220~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
141220	141220~EPA	ap1-agonist_ch2	Activator	cca	gnls
141220	141220~EPA	ap1-agonist_ratio	Activator	cca	gnls
141220	141220~EPA	ap1-agonist_via	Inactive	cca	cnst
141220	141220~EPA	are-bla_ch1	Repressor	rfp	hill.inv
141220	141220~EPA	are-bla_ch2	Inactive	rfp	cnst
141220	141220~EPA	are-bla_ratio	Activator	rfp	hill
141220	141220~EPA	are-bla_via	Inactive	rfp	cnst
141242	141242~NTP	ap1-agonist_ch1	Inactive	cca	cnst
141242	141242~NTP	ap1-agonist_ch2	Activator	cca	hill
141242	141242~NTP	ap1-agonist_ratio	Activator	cca	hill
141242	141242~NTP	ap1-agonist_via	Inactive	cca	cnst
141505331	141505331~FDA	p53-bla_ch1	Inactive	cca	cnst
141505331	141505331~FDA	p53-bla_ch2	Activator	cca	gnls
141505331	141505331~FDA	p53-bla_ratio	Activator	cca	gnls
141505331	141505331~FDA	p53-bla_via	Inactive	cca	cnst
141517217	141517217~EPA	are-bla_ch1	Inactive	cca	cnst
141517217	141517217~EPA	are-bla_ch2	Activator	cca	hill
141517217	141517217~EPA	are-bla_ratio	Activator	cca	gnls
141517217	141517217~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
141517217	141517217~EPA	p53-bla_ch1	Repressor	cca	hill.inv
141517217	141517217~EPA	p53-bla_ch2	Activator	cca	gnls
141517217	141517217~EPA	p53-bla_ratio	Activator	cca	gnls
141517217	141517217~EPA	p53-bla_via	Inactive	cca	cnst
141626360	141626360~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
141626360	141626360~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
141626360	141626360~FDA	ap1-agonist_ratio	Activator	rfp	hill
141626360	141626360~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
141626360	141626360~FDA	are-bla_ch1	Repressor	rfn	hill.inv
141626360	141626360~FDA	are-bla_ch2	Activator	rfn	gnls
141626360	141626360~FDA	are-bla_ratio	Inactive	rfn	cnst
141626360	141626360~FDA	are-bla_via	Repressor	rfn	hill.inv
141626360	141626360~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
141626360	141626360~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
141626360	141626360~FDA	esre-bla_ratio	Activator	rfp	hill
141626360	141626360~FDA	esre-bla_via	Repressor	rfp	hill.inv
141626360	141626360~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
141626360	141626360~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
141626360	141626360~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
141626360	141626360~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
141626360	141626360~FDA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
141626360	141626360~FDA	hse-bla_ch2	Activator	EOC/PUC	hill
141626360	141626360~FDA	hse-bla_ratio	Activator	EOC/PUC	hill
141626360	141626360~FDA	hse-bla_via	Repressor	EOC/PUC	hill.inv
141626360	141626360~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
141626360	141626360~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
141626360	141626360~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
141626360	141626360~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
141626360	141626360~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
141626360	141626360~FDA	p53-bla_ch2	Inactive	rfp	cnst
141626360	141626360~FDA	p53-bla_ratio	Activator	rfp	hill
141626360	141626360~FDA	p53-bla_via	Repressor	rfp	hill.inv
141822	141822~NTP	are-bla_ch1	Inactive	cca	cnst
141822	141822~NTP	are-bla_ch2	Activator	cca	hill
141822	141822~NTP	are-bla_ratio	Activator	cca	hill
141822	141822~NTP	are-bla_via	Inactive	cca	cnst
141946	141946~FDA	are-bla_ch1	Repressor	rfp	hill.inv
141946	141946~FDA	are-bla_ch2	Inactive	rfp	hill.inv
141946	141946~FDA	are-bla_ratio	Activator	rfp	gnls
141946	141946~FDA	are-bla_via	Repressor	rfp	hill.inv
141946	141946~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
141946	141946~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
141946	141946~FDA	esre-bla_ratio	Activator	rfp	hill
141946	141946~FDA	esre-bla_via	Repressor	rfp	hill.inv
141946	141946~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
141946	141946~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
141946	141946~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
141946	141946~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1420071	1420071~EPA	are-bla_ch1	Inactive	EUC	cnst
1420071	1420071~EPA	are-bla_ch2	Activator	EUC	gnls
1420071	1420071~EPA	are-bla_ratio	Activator	EUC	gnls
1420071	1420071~EPA	are-bla_via	Repressor	EUC	hill.inv
1420071	1420071~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
1420071	1420071~EPA	p53-bla_ch2	Activator	EOC	hill
1420071	1420071~EPA	p53-bla_ratio	Activator	EOC	hill
1420071	1420071~EPA	p53-bla_via	Repressor	EOC	hill.inv
1421632	1421632~EPA	hse-bla_ch1	Inactive	cca	cnst
1421632	1421632~EPA	hse-bla_ch2	Activator	cca	gnls
1421632	1421632~EPA	hse-bla_ratio	Activator	cca	hill
1421632	1421632~EPA	hse-bla_via	Inactive	cca	cnst
1421632	1421632~FDA	esre-bla_ch1	Inactive	cca	cnst
1421632	1421632~FDA	esre-bla_ch2	Activator	cca	hill
1421632	1421632~FDA	esre-bla_ratio	Activator	cca	hill
1421632	1421632~FDA	esre-bla_via	Inactive	cca	cnst
1421632	1421632~FDA	hse-bla_ch1	Repressor	cca	hill.inv
1421632	1421632~FDA	hse-bla_ch2	Activator	cca	hill
1421632	1421632~FDA	hse-bla_ratio	Activator	cca	hill
1421632	1421632~FDA	hse-bla_via	Inactive	cca	cnst
1421632	1421632~NTP	hse-bla_ch1	Inactive	cca	cnst
1421632	1421632~NTP	hse-bla_ch2	Activator	cca	hill
1421632	1421632~NTP	hse-bla_ratio	Activator	cca	hill
1421632	1421632~NTP	hse-bla_via	Inactive	cca	cnst
142165	142165~NTP	are-bla_ch1	Inactive	cca	cnst
142165	142165~NTP	are-bla_ch2	Activator	cca	gnls
142165	142165~NTP	are-bla_ratio	Activator	cca	gnls
142165	142165~NTP	are-bla_via	Inactive	cca	cnst
1422077	1422077~FDA	are-bla_ch1	Repressor	cca	hill.inv
1422077	1422077~FDA	are-bla_ch2	Activator	cca	hill
1422077	1422077~FDA	are-bla_ratio	Activator	cca	hill
1422077	1422077~FDA	are-bla_via	Inactive	cca	cnst
14228730	14228730~EPA	are-bla_ch1	Inactive	cca	cnst
14228730	14228730~EPA	are-bla_ch2	Activator	cca	hill
14228730	14228730~EPA	are-bla_ratio	Activator	cca	hill
14228730	14228730~EPA	are-bla_via	Inactive	cca	cnst
14233375	14233375~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
14233375	14233375~EPA	ap1-agonist_ch2	Activator	cca	gnls
14233375	14233375~EPA	ap1-agonist_ratio	Activator	cca	hill
14233375	14233375~EPA	ap1-agonist_via	Inactive	cca	cnst
142340996	142340996~FDA	are-bla_ch1	Repressor	cca	hill.inv
142340996	142340996~FDA	are-bla_ch2	Activator	cca	gnls
142340996	142340996~FDA	are-bla_ratio	Activator	cca	hill
142340996	142340996~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
142459583	142459583~EPA	are-bla_ch1	Inactive	cca	cnst
142459583	142459583~EPA	are-bla_ch2	Activator	cca	hill
142459583	142459583~EPA	are-bla_ratio	Activator	cca	hill
142459583	142459583~EPA	are-bla_via	Inactive	cca	cnst
142461	142461~EPA	are-bla_ch1	Inactive	rfn	cnst
142461	142461~EPA	are-bla_ch2	Activator	rfn	hill
142461	142461~EPA	are-bla_ratio	Inactive	rfn	cnst
142461	142461~EPA	are-bla_via	Inactive	rfn	cnst
14255879	14255879~FDA	ap1-agonist_ch1	Inactive	cca	cnst
14255879	14255879~FDA	ap1-agonist_ch2	Activator	cca	hill
14255879	14255879~FDA	ap1-agonist_ratio	Activator	cca	hill
14255879	14255879~FDA	ap1-agonist_via	Inactive	cca	cnst
14255879	14255879~FDA	are-bla_ch1	Repressor	cca	hill.inv
14255879	14255879~FDA	are-bla_ch2	Activator	cca	gnls
14255879	14255879~FDA	are-bla_ratio	Activator	cca	gnls
14255879	14255879~FDA	are-bla_via	Inactive	cca	cnst
14255879	14255879~FDA	p53-bla_ch1	Repressor	cca	hill.inv
14255879	14255879~FDA	p53-bla_ch2	Activator	cca	gnls
14255879	14255879~FDA	p53-bla_ratio	Activator	cca	gnls
14255879	14255879~FDA	p53-bla_via	Inactive	cca	cnst
142596	142596~NTP	are-bla_ch1	Inactive	cca	cnst
142596	142596~NTP	are-bla_ch2	Activator	cca	hill
142596	142596~NTP	are-bla_ratio	Activator	cca	hill
142596	142596~NTP	are-bla_via	Inactive	cca	cnst
142870	142870~EPA	are-bla_ch1	Inactive	EUC	cnst
142870	142870~EPA	are-bla_ch2	Activator	EUC	hill
142870	142870~EPA	are-bla_ratio	Activator	EUC	hill
142870	142870~EPA	are-bla_via	Inactive	EUC	cnst
14324551	14324551~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
14324551	14324551~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
14324551	14324551~NTP	ap1-agonist_ratio	Activator	rfp	hill
14324551	14324551~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
14324551	14324551~NTP	esre-bla_ch1	Activator	rfn	gnls
14324551	14324551~NTP	esre-bla_ch2	Activator	rfn	hill
14324551	14324551~NTP	esre-bla_ratio	Inactive	rfn	cnst
14324551	14324551~NTP	esre-bla_via	Repressor	rfn	hill.inv
14324551	14324551~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
14324551	14324551~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
14324551	14324551~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
14324551	14324551~NTP	hre-bla-agonist_via	Complex	rfp	gnls.inv
14324551	14324551~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
14324551	14324551~NTP	hse-bla_ch2	Activator	EOC	hill
14324551	14324551~NTP	hse-bla_ratio	Activator	EOC	hill
14324551	14324551~NTP	hse-bla_via	Repressor	EOC	hill.inv
14324551	14324551~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
14324551	14324551~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
14324551	14324551~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
14324551	14324551~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
14324551	14324551~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
14324551	14324551~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
14324551	14324551~NTP	p53-bla_ratio	Activator	rfp	hill
14324551	14324551~NTP	p53-bla_via	Repressor	rfp	hill.inv
143314141	143314141~NTP	ap1-agonist_ch1	Inactive	rfn	cnst
143314141	143314141~NTP	ap1-agonist_ch2	Activator	rfn	hill
143314141	143314141~NTP	ap1-agonist_ratio	Inactive	rfn	cnst
143314141	143314141~NTP	ap1-agonist_via	Inactive	rfn	cnst
143322581	143322581~FDA	ap1-agonist_ch1	Inactive	cca	cnst
143322581	143322581~FDA	ap1-agonist_ch2	Activator	cca	hill
143322581	143322581~FDA	ap1-agonist_ratio	Activator	cca	hill
143322581	143322581~FDA	ap1-agonist_via	Inactive	cca	cnst
143390890	143390890~EPA	are-bla_ch1	Repressor	cca	hill.inv
143390890	143390890~EPA	are-bla_ch2	Activator	cca	hill
143390890	143390890~EPA	are-bla_ratio	Activator	cca	gnls
143390890	143390890~EPA	are-bla_via	Inactive	cca	cnst
1434544	1434544~EPA	are-bla_ch1	Inactive	cca	cnst
1434544	1434544~EPA	are-bla_ch2	Activator	cca	hill
1434544	1434544~EPA	are-bla_ratio	Activator	cca	hill
1434544	1434544~EPA	are-bla_via	Inactive	cca	cnst
143500	143500~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
143500	143500~EPA	ap1-agonist_ch2	Activator	PUC	gnls
143500	143500~EPA	ap1-agonist_ratio	Activator	PUC	hill
143500	143500~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
143500	143500~EPA	are-bla_ch1	Repressor	EUC	hill.inv
143500	143500~EPA	are-bla_ch2	Activator	EUC	gnls
143500	143500~EPA	are-bla_ratio	Activator	EUC	gnls
143500	143500~EPA	are-bla_via	Repressor	EUC	hill.inv
143500	143500~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
143500	143500~EPA	esre-bla_ch2	Inactive	rfp	cnst
143500	143500~EPA	esre-bla_ratio	Activator	rfp	hill
143500	143500~EPA	esre-bla_via	Repressor	rfp	hill.inv
143500	143500~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
143500	143500~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
143500	143500~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
143500	143500~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
143500	143500~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
143500	143500~EPA	hse-bla_ch2	Inactive	rfp	cnst
143500	143500~EPA	hse-bla_ratio	Activator	rfp	hill
143500	143500~EPA	hse-bla_via	Repressor	rfp	hill.inv
143500	143500~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
143500	143500~EPA	p53-bla_ch2	Inactive	rfp	cnst
143500	143500~EPA	p53-bla_ratio	Activator	rfp	hill
143500	143500~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
143500	143500~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
143500	143500~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
143500	143500~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
143500	143500~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
143500	143500~NTP	are-bla_ch1	Repressor	cca	hill.inv
143500	143500~NTP	are-bla_ch2	Activator	cca	gnls
143500	143500~NTP	are-bla_ratio	Activator	cca	gnls
143500	143500~NTP	are-bla_via	Repressor	cca	hill.inv
143500	143500~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
143500	143500~NTP	esre-bla_ch2	Inactive	rfp	cnst
143500	143500~NTP	esre-bla_ratio	Activator	rfp	hill
143500	143500~NTP	esre-bla_via	Repressor	rfp	hill.inv
143500	143500~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
143500	143500~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
143500	143500~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
143500	143500~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
143500	143500~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
143500	143500~NTP	hse-bla_ch2	Inactive	rfp	cnst
143500	143500~NTP	hse-bla_ratio	Activator	rfp	hill
143500	143500~NTP	hse-bla_via	Repressor	rfp	hill.inv
143500	143500~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
143500	143500~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
143500	143500~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
143500	143500~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
143500	143500~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
143500	143500~NTP	p53-bla_ch2	Inactive	rfp	cnst
143500	143500~NTP	p53-bla_ratio	Activator	rfp	hill
143500	143500~NTP	p53-bla_via	Repressor	rfp	hill.inv
14351667	14351667~EPA	are-bla_ch1	Inactive	EUC	cnst
14351667	14351667~EPA	are-bla_ch2	Activator	EUC	hill
14351667	14351667~EPA	are-bla_ratio	Activator	EUC	hill
14351667	14351667~EPA	are-bla_via	Inactive	EUC	cnst
143983919	143983919~EPA	are-bla_ch1	Repressor	cca	hill.inv
143983919	143983919~EPA	are-bla_ch2	Activator	cca	hill
143983919	143983919~EPA	are-bla_ratio	Activator	cca	hill
143983919	143983919~EPA	are-bla_via	Inactive	cca	cnst
144060537	144060537~FDA	are-bla_ch1	Inactive	cca	cnst
144060537	144060537~FDA	are-bla_ch2	Activator	cca	hill
144060537	144060537~FDA	are-bla_ratio	Activator	cca	hill
144060537	144060537~FDA	are-bla_via	Inactive	cca	cnst
14417880	14417880~FDA	are-bla_ch1	Repressor	cca	hill.inv
14417880	14417880~FDA	are-bla_ch2	Activator	cca	hill
14417880	14417880~FDA	are-bla_ratio	Activator	cca	hill
14417880	14417880~FDA	are-bla_via	Inactive	cca	cnst
144627	144627~EPA	are-bla_ch1	Inactive	cca	cnst
144627	144627~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
144627	144627~EPA	are-bla_ratio	Activator	cca	hill
144627	144627~EPA	are-bla_via	Inactive	cca	cnst
144683	144683~FDA	p53-bla_ch1	Repressor	cca	hill.inv
144683	144683~FDA	p53-bla_ch2	Activator	cca	hill
144683	144683~FDA	p53-bla_ratio	Activator	cca	hill
144683	144683~FDA	p53-bla_via	Repressor	cca	hill.inv
144701484	144701484~FDA	are-bla_ch1	Repressor	cca	hill.inv
144701484	144701484~FDA	are-bla_ch2	Activator	cca	hill
144701484	144701484~FDA	are-bla_ratio	Activator	cca	hill
144701484	144701484~FDA	are-bla_via	Inactive	cca	cnst
144701484	144701484~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
144701484	144701484~FDA	hre-bla-agonist_ch2	Activator	cca	hill
144701484	144701484~FDA	hre-bla-agonist_ratio	Activator	cca	hill
144701484	144701484~FDA	hre-bla-agonist_via	Inactive	cca	cnst
144796	144796~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
144796	144796~NTP	ap1-agonist_ch2	Activator	cca	hill
144796	144796~NTP	ap1-agonist_ratio	Activator	cca	hill
144796	144796~NTP	ap1-agonist_via	Inactive	cca	cnst
14484470	14484470~EPA	are-bla_ch1	Inactive	EUC	cnst
14484470	14484470~EPA	are-bla_ch2	Activator	EUC	hill
14484470	14484470~EPA	are-bla_ratio	Activator	EUC	hill
14484470	14484470~EPA	are-bla_via	Inactive	EUC	cnst
14484470	14484470~FDA	are-bla_ch1	Inactive	cca	cnst
14484470	14484470~FDA	are-bla_ch2	Activator	cca	hill
14484470	14484470~FDA	are-bla_ratio	Activator	cca	hill
14484470	14484470~FDA	are-bla_via	Inactive	cca	cnst
14484641	14484641~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
14484641	14484641~NTP	ap1-agonist_ch2	Activator	cca	gnls
14484641	14484641~NTP	ap1-agonist_ratio	Activator	cca	gnls
14484641	14484641~NTP	ap1-agonist_via	Repressor	cca	hill.inv
14484641	14484641~NTP	are-bla_ch1	Repressor	cca	hill.inv
14484641	14484641~NTP	are-bla_ch2	Activator	cca	gnls
14484641	14484641~NTP	are-bla_ratio	Activator	cca	gnls
14484641	14484641~NTP	are-bla_via	Repressor	cca	hill.inv
14484641	14484641~NTP	esre-bla_ch1	Complex	rfp	gnls.inv
14484641	14484641~NTP	esre-bla_ch2	Inactive	rfp	cnst
14484641	14484641~NTP	esre-bla_ratio	Activator	rfp	gnls
14484641	14484641~NTP	esre-bla_via	Inactive	rfp	cnst
14484641	14484641~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
14484641	14484641~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
14484641	14484641~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
14484641	14484641~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
14484641	14484641~NTP	hse-bla_ch1	Repressor	cca	gnls.inv
14484641	14484641~NTP	hse-bla_ch2	Activator	cca	gnls
14484641	14484641~NTP	hse-bla_ratio	Activator	cca	gnls
14484641	14484641~NTP	hse-bla_via	Complex	cca	gnls.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
145040375	145040375~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
145040375	145040375~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
145040375	145040375~EPA	ap1-agonist_ratio	Activator	rfp	hill
145040375	145040375~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
145040375	145040375~EPA	are-bla_ch1	Repressor	cca	hill.inv
145040375	145040375~EPA	are-bla_ch2	Activator	cca	gnls
145040375	145040375~EPA	are-bla_ratio	Activator	cca	gnls
145040375	145040375~EPA	are-bla_via	Repressor	cca	hill.inv
145040375	145040375~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
145040375	145040375~EPA	esre-bla_ch2	Inactive	rfp	cnst
145040375	145040375~EPA	esre-bla_ratio	Activator	rfp	hill
145040375	145040375~EPA	esre-bla_via	Repressor	rfp	hill.inv
145040375	145040375~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
145040375	145040375~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
145040375	145040375~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
145040375	145040375~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
145040375	145040375~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
145040375	145040375~EPA	hse-bla_ch2	Inactive	rfp	cnst
145040375	145040375~EPA	hse-bla_ratio	Activator	rfp	hill
145040375	145040375~EPA	hse-bla_via	Repressor	rfp	hill.inv
145040375	145040375~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
145040375	145040375~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
145040375	145040375~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
145040375	145040375~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
145040375	145040375~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
145040375	145040375~EPA	p53-bla_ch2	Inactive	rfp	cnst
145040375	145040375~EPA	p53-bla_ratio	Activator	rfp	hill
145040375	145040375~EPA	p53-bla_via	Repressor	rfp	hill.inv
1450857	1450857~NTP	ap1-agonist_ch1	Repressor	EUC	hill.inv
1450857	1450857~NTP	ap1-agonist_ch2	Activator	EUC	hill
1450857	1450857~NTP	ap1-agonist_ratio	Activator	EUC	hill
1450857	1450857~NTP	ap1-agonist_via	Inactive	EUC	cnst
145131	145131~EPA	are-bla_ch1	Inactive	cca	cnst
145131	145131~EPA	are-bla_ch2	Activator	cca	hill
145131	145131~EPA	are-bla_ratio	Activator	cca	hill
145131	145131~EPA	are-bla_via	Inactive	cca	cnst
145131	145131~FDA	are-bla_ch1	Inactive	cca	cnst
145131	145131~FDA	are-bla_ch2	Activator	cca	hill
145131	145131~FDA	are-bla_ratio	Activator	cca	hill
145131	145131~FDA	are-bla_via	Inactive	cca	cnst
145158710	145158710~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
145158710	145158710~FDA	ap1-agonist_ch2	Activator	cca	gnls
145158710	145158710~FDA	ap1-agonist_ratio	Activator	cca	hill
145158710	145158710~FDA	ap1-agonist_via	Repressor	cca	hill.inv
145158710	145158710~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
145158710	145158710~FDA	esre-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
145158710	145158710~FDA	esre-bla_ratio	Activator	rfp	hill
145158710	145158710~FDA	esre-bla_via	Repressor	rfp	hill.inv
145158710	145158710~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
145158710	145158710~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
145158710	145158710~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
145158710	145158710~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
145158710	145158710~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
145158710	145158710~FDA	hse-bla_ch2	Inactive	rfp	cnst
145158710	145158710~FDA	hse-bla_ratio	Activator	rfp	hill
145158710	145158710~FDA	hse-bla_via	Repressor	rfp	hill.inv
145158710	145158710~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
145158710	145158710~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
145158710	145158710~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
145158710	145158710~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
145733	145733~EPA	are-bla_ch1	Inactive	EUC	cnst
145733	145733~EPA	are-bla_ch2	Activator	EUC	gnls
145733	145733~EPA	are-bla_ratio	Activator	EUC	hill
145733	145733~EPA	are-bla_via	Inactive	EUC	cnst
145733	145733~NTP	are-bla_ch1	Inactive	cca	cnst
145733	145733~NTP	are-bla_ch2	Activator	cca	gnls
145733	145733~NTP	are-bla_ratio	Activator	cca	gnls
145733	145733~NTP	are-bla_via	Inactive	cca	cnst
145742285	145742285~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
145742285	145742285~EPA	ap1-agonist_ch2	Activator	cca	hill
145742285	145742285~EPA	ap1-agonist_ratio	Activator	cca	hill
145742285	145742285~EPA	ap1-agonist_via	Inactive	cca	cnst
1458180	1458180~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1458180	1458180~FDA	ap1-agonist_ch2	Activator	EOC/PUC	hill
1458180	1458180~FDA	ap1-agonist_ratio	Activator	EOC/PUC	hill
1458180	1458180~FDA	ap1-agonist_via	Inactive	EOC/PUC	cnst
1458180	1458180~FDA	are-bla_ch1	Repressor	cca	hill.inv
1458180	1458180~FDA	are-bla_ch2	Activator	cca	hill
1458180	1458180~FDA	are-bla_ratio	Activator	cca	hill
1458180	1458180~FDA	are-bla_via	Inactive	cca	cnst
1458180	1458180~FDA	esre-bla_ch1	Activator	EUC	gnls
1458180	1458180~FDA	esre-bla_ch2	Activator	EUC	hill
1458180	1458180~FDA	esre-bla_ratio	Activator	EUC	hill
1458180	1458180~FDA	esre-bla_via	Repressor	EUC	hill.inv
1458180	1458180~FDA	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
1458180	1458180~FDA	hre-bla-agonist_ch2	Activator	EOC	hill
1458180	1458180~FDA	hre-bla-agonist_ratio	Activator	EOC	hill
1458180	1458180~FDA	hre-bla-agonist_via	Complex	EOC	gnls
1458180	1458180~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
1458180	1458180~FDA	hse-bla_ch2	Activator	EOC	hill
1458180	1458180~FDA	hse-bla_ratio	Activator	EOC	hill
1458180	1458180~FDA	hse-bla_via	Repressor	EOC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1458180	1458180~FDA	nfkbl-agonist_ch1	Repressor	cca	hill.inv
1458180	1458180~FDA	nfkbl-agonist_ch2	Activator	cca	hill
1458180	1458180~FDA	nfkbl-agonist_ratio	Activator	cca	hill
1458180	1458180~FDA	nfkbl-agonist_via	Inactive	cca	cnst
14587509	14587509~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
14587509	14587509~FDA	ap1-agonist_ch2	Activator	cca	gnls
14587509	14587509~FDA	ap1-agonist_ratio	Activator	cca	hill
14587509	14587509~FDA	ap1-agonist_via	Inactive	cca	cnst
146011656	146011656~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
146011656	146011656~EPA	p53-bla_ch2	Inactive	rfp	cnst
146011656	146011656~EPA	p53-bla_ratio	Activator	rfp	hill
146011656	146011656~EPA	p53-bla_via	Inactive	rfp	cnst
1461229	1461229~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1461229	1461229~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
1461229	1461229~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
1461229	1461229~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
1461229	1461229~EPA	are-bla_ch1	Repressor	cca	hill.inv
1461229	1461229~EPA	are-bla_ch2	Activator	cca	gnls
1461229	1461229~EPA	are-bla_ratio	Activator	cca	gnls
1461229	1461229~EPA	are-bla_via	Repressor	cca	hill.inv
1461229	1461229~EPA	esre-bla_ch1	Complex	rfp	gnls
1461229	1461229~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1461229	1461229~EPA	esre-bla_ratio	Activator	rfp	hill
1461229	1461229~EPA	esre-bla_via	Repressor	rfp	hill.inv
1461229	1461229~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1461229	1461229~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1461229	1461229~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1461229	1461229~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1461229	1461229~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1461229	1461229~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
1461229	1461229~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
1461229	1461229~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
1461229	1461229~EPA	nfkbl-agonist_ch1	Repressor	rfp	hill.inv
1461229	1461229~EPA	nfkbl-agonist_ch2	Inactive	rfp	cnst
1461229	1461229~EPA	nfkbl-agonist_ratio	Activator	rfp	hill
1461229	1461229~EPA	nfkbl-agonist_via	Repressor	rfp	hill.inv
1461229	1461229~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1461229	1461229~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
1461229	1461229~EPA	p53-bla_ratio	Activator	rfp	hill
1461229	1461229~EPA	p53-bla_via	Repressor	rfp	hill.inv
1461229	1461229~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1461229	1461229~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
1461229	1461229~NTP	ap1-agonist_ratio	Activator	rfp	hill
1461229	1461229~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
1461229	1461229~NTP	are-bla_ch1	Repressor	EUC	hill.inv
1461229	1461229~NTP	are-bla_ch2	Activator	EUC	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
1461229	1461229~NTP	are-bla_ratio	Activator	EUC	gnls
1461229	1461229~NTP	are-bla_via	Repressor	EUC	hill.inv
1461229	1461229~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
1461229	1461229~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
1461229	1461229~NTP	esre-bla_ratio	Activator	rfp	gnls
1461229	1461229~NTP	esre-bla_via	Repressor	rfp	hill.inv
1461229	1461229~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1461229	1461229~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1461229	1461229~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1461229	1461229~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1461229	1461229~NTP	hse-bla_ch1	Repressor	cca	hill.inv
1461229	1461229~NTP	hse-bla_ch2	Activator	cca	gnls
1461229	1461229~NTP	hse-bla_ratio	Activator	cca	hill
1461229	1461229~NTP	hse-bla_via	Repressor	cca	hill.inv
1461229	1461229~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1461229	1461229~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1461229	1461229~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1461229	1461229~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1461229	1461229~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
1461229	1461229~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
1461229	1461229~NTP	p53-bla_ratio	Activator	rfp	hill
1461229	1461229~NTP	p53-bla_via	Repressor	rfp	hill.inv
1461252	1461252~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1461252	1461252~EPA	ap1-agonist_ch2	Activator	cca	gnls
1461252	1461252~EPA	ap1-agonist_ratio	Activator	cca	gnls
1461252	1461252~EPA	ap1-agonist_via	Repressor	cca	hill.inv
1461252	1461252~EPA	are-bla_ch1	Repressor	cca	hill.inv
1461252	1461252~EPA	are-bla_ch2	Activator	cca	gnls
1461252	1461252~EPA	are-bla_ratio	Activator	cca	gnls
1461252	1461252~EPA	are-bla_via	Repressor	cca	hill.inv
1461252	1461252~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1461252	1461252~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1461252	1461252~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1461252	1461252~EPA	hre-bla-agonist_via	Complex	rfp	gnls
1461252	1461252~EPA	hse-bla_ch1	Repressor	cca	hill.inv
1461252	1461252~EPA	hse-bla_ch2	Activator	cca	gnls
1461252	1461252~EPA	hse-bla_ratio	Activator	cca	gnls
1461252	1461252~EPA	hse-bla_via	Inactive	cca	cnst
1461252	1461252~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1461252	1461252~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1461252	1461252~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1461252	1461252~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1461252	1461252~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1461252	1461252~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
1461252	1461252~EPA	p53-bla_ratio	Activator	rfp	hill
1461252	1461252~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
14643879	14643879~NTP	ap1-agonist_ch1	Inactive	cca	cnst
14643879	14643879~NTP	ap1-agonist_ch2	Activator	cca	hill
14643879	14643879~NTP	ap1-agonist_ratio	Activator	cca	hill
14643879	14643879~NTP	ap1-agonist_via	Inactive	cca	cnst
14643879	14643879~NTP	are-bla_ch1	Inactive	cca	cnst
14643879	14643879~NTP	are-bla_ch2	Activator	cca	hill
14643879	14643879~NTP	are-bla_ratio	Activator	cca	hill
14643879	14643879~NTP	are-bla_via	Inactive	cca	cnst
14643879	14643879~NTP	esre-bla_ch1	Inactive	cca	cnst
14643879	14643879~NTP	esre-bla_ch2	Activator	cca	hill
14643879	14643879~NTP	esre-bla_ratio	Activator	cca	hill
14643879	14643879~NTP	esre-bla_via	Inactive	cca	cnst
146464951	146464951~FDA	p53-bla_ch1	Repressor	cca	hill.inv
146464951	146464951~FDA	p53-bla_ch2	Activator	cca	hill
146464951	146464951~FDA	p53-bla_ratio	Activator	cca	hill
146464951	146464951~FDA	p53-bla_via	Repressor	cca	hill.inv
14663231	14663231~EPA	are-bla_ch1	Inactive	cca	cnst
14663231	14663231~EPA	are-bla_ch2	Activator	cca	hill
14663231	14663231~EPA	are-bla_ratio	Activator	cca	gnls
14663231	14663231~EPA	are-bla_via	Inactive	cca	cnst
1468957	1468957~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1468957	1468957~NTP	ap1-agonist_ch2	Activator	cca	hill
1468957	1468957~NTP	ap1-agonist_ratio	Activator	cca	hill
1468957	1468957~NTP	ap1-agonist_via	Inactive	cca	cnst
146961775	146961775~FDA	are-bla_ch1	Repressor	cca	hill.inv
146961775	146961775~FDA	are-bla_ch2	Activator	cca	hill
146961775	146961775~FDA	are-bla_ratio	Activator	cca	hill
146961775	146961775~FDA	are-bla_via	Inactive	cca	cnst
147059754	147059754~FDA	are-bla_ch1	Repressor	cca	hill.inv
147059754	147059754~FDA	are-bla_ch2	Activator	cca	hill
147059754	147059754~FDA	are-bla_ratio	Activator	cca	gnls
147059754	147059754~FDA	are-bla_via	Inactive	cca	cnst
1470797	1470797~NTP	are-bla_ch1	Inactive	cca	cnst
1470797	1470797~NTP	are-bla_ch2	Activator	cca	hill
1470797	1470797~NTP	are-bla_ratio	Activator	cca	hill
1470797	1470797~NTP	are-bla_via	Inactive	cca	cnst
1470797	1470797~NTP	p53-bla_ch1	Inactive	cca	cnst
1470797	1470797~NTP	p53-bla_ch2	Activator	cca	hill
1470797	1470797~NTP	p53-bla_ratio	Activator	cca	hill
1470797	1470797~NTP	p53-bla_via	Inactive	cca	cnst
147228817	147228817~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
147228817	147228817~FDA	ap1-agonist_ch2	Activator	cca	gnls
147228817	147228817~FDA	ap1-agonist_ratio	Activator	cca	gnls
147228817	147228817~FDA	ap1-agonist_via	Repressor	cca	hill.inv
147228817	147228817~FDA	are-bla_ch1	Repressor	rfp	hill.inv
147228817	147228817~FDA	are-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
147228817	147228817~FDA	are-bla_ratio	Activator	rfp	gnls
147228817	147228817~FDA	are-bla_via	Repressor	rfp	hill.inv
147240	147240~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
147240	147240~EPA	ap1-agonist_ch2	Activator	cca	hill
147240	147240~EPA	ap1-agonist_ratio	Activator	cca	hill
147240	147240~EPA	ap1-agonist_via	Inactive	cca	cnst
147240	147240~NTP	ap1-agonist_ch1	Inactive	cca	cnst
147240	147240~NTP	ap1-agonist_ch2	Activator	cca	hill
147240	147240~NTP	ap1-agonist_ratio	Activator	cca	hill
147240	147240~NTP	ap1-agonist_via	Inactive	cca	cnst
1476115	1476115~NTP	are-bla_ch1	Inactive	rfp	cnst
1476115	1476115~NTP	are-bla_ch2	Inactive	rfp	cnst
1476115	1476115~NTP	are-bla_ratio	Activator	rfp	hill
1476115	1476115~NTP	are-bla_via	Inactive	rfp	cnst
1477425	1477425~NTP	are-bla_ch1	Inactive	cca	cnst
1477425	1477425~NTP	are-bla_ch2	Activator	cca	hill
1477425	1477425~NTP	are-bla_ratio	Activator	cca	hill
1477425	1477425~NTP	are-bla_via	Inactive	cca	cnst
1478611	1478611~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1478611	1478611~EPA	ap1-agonist_ch2	Activator	cca	gnls
1478611	1478611~EPA	ap1-agonist_ratio	Activator	cca	hill
1478611	1478611~EPA	ap1-agonist_via	Inactive	cca	cnst
1478611	1478611~EPA	are-bla_ch1	Repressor	cca	hill.inv
1478611	1478611~EPA	are-bla_ch2	Activator	cca	gnls
1478611	1478611~EPA	are-bla_ratio	Activator	cca	gnls
1478611	1478611~EPA	are-bla_via	Repressor	cca	hill.inv
1478611	1478611~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1478611	1478611~EPA	hse-bla_ch2	Inactive	rfp	cnst
1478611	1478611~EPA	hse-bla_ratio	Activator	rfp	hill
1478611	1478611~EPA	hse-bla_via	Repressor	rfp	hill.inv
1478611	1478611~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1478611	1478611~EPA	p53-bla_ch2	Inactive	rfp	cnst
1478611	1478611~EPA	p53-bla_ratio	Activator	rfp	hill
1478611	1478611~EPA	p53-bla_via	Repressor	rfp	hill.inv
1478611	1478611~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1478611	1478611~NTP	ap1-agonist_ch2	Activator	cca	gnls
1478611	1478611~NTP	ap1-agonist_ratio	Activator	cca	hill
1478611	1478611~NTP	ap1-agonist_via	Repressor	cca	hill.inv
1478611	1478611~NTP	are-bla_ch1	Inactive	EUC	cnst
1478611	1478611~NTP	are-bla_ch2	Activator	EUC	gnls
1478611	1478611~NTP	are-bla_ratio	Activator	EUC	gnls
1478611	1478611~NTP	are-bla_via	Inactive	EUC	cnst
1478611	1478611~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1478611	1478611~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1478611	1478611~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1478611	1478611~NTP	hre-bla-agonist_via	Complex	rfp	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
1478611	1478611~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1478611	1478611~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
1478611	1478611~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
1478611	1478611~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
147944	147944~EPA	p53-bla_ch1	Repressor	cca	hill.inv
147944	147944~EPA	p53-bla_ch2	Activator	cca	hill
147944	147944~EPA	p53-bla_ratio	Activator	cca	hill
147944	147944~EPA	p53-bla_via	Inactive	cca	cnst
147944	147944~FDA	p53-bla_ch1	Repressor	cca	hill.inv
147944	147944~FDA	p53-bla_ch2	Activator	cca	hill
147944	147944~FDA	p53-bla_ratio	Activator	cca	gnls
147944	147944~FDA	p53-bla_via	Inactive	cca	cnst
148081725	148081725~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
148081725	148081725~EPA	ap1-agonist_ch2	Activator	EOC	gnls
148081725	148081725~EPA	ap1-agonist_ratio	Activator	EOC	hill
148081725	148081725~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
148081725	148081725~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
148081725	148081725~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
148081725	148081725~EPA	esre-bla_ratio	Activator	rfp	hill
148081725	148081725~EPA	esre-bla_via	Repressor	rfp	hill.inv
148081725	148081725~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
148081725	148081725~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
148081725	148081725~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
148081725	148081725~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
148081725	148081725~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
148081725	148081725~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
148081725	148081725~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
148081725	148081725~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
14816183	14816183~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
14816183	14816183~FDA	p53-bla_ch2	Inactive	rfp	cnst
14816183	14816183~FDA	p53-bla_ratio	Activator	rfp	hill
14816183	14816183~FDA	p53-bla_via	Inactive	rfp	cnst
148185	148185~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
148185	148185~NTP	ap1-agonist_ch2	Activator	cca	hill
148185	148185~NTP	ap1-agonist_ratio	Activator	cca	hill
148185	148185~NTP	ap1-agonist_via	Inactive	cca	cnst
148185	148185~NTP	are-bla_ch1	Inactive	cca	cnst
148185	148185~NTP	are-bla_ch2	Activator	cca	gnls
148185	148185~NTP	are-bla_ratio	Activator	cca	gnls
148185	148185~NTP	are-bla_via	Inactive	cca	cnst
148185	148185~NTP	hse-bla_ch1	Repressor	cca	hill.inv
148185	148185~NTP	hse-bla_ch2	Activator	cca	gnls
148185	148185~NTP	hse-bla_ratio	Activator	cca	gnls
148185	148185~NTP	hse-bla_via	Repressor	cca	hill.inv
148243	148243~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
148243	148243~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
148243	148243~EPA	ap1-agonist_ratio	Activator	cca	gnls
148243	148243~EPA	ap1-agonist_via	Repressor	cca	gnls.inv
148243	148243~EPA	are-bla_ch1	Inactive	cca	cnst
148243	148243~EPA	are-bla_ch2	Activator	cca	hill
148243	148243~EPA	are-bla_ratio	Activator	cca	hill
148243	148243~EPA	are-bla_via	Repressor	cca	hill.inv
148243	148243~EPA	hse-bla_ch1	Repressor	cca	hill.inv
148243	148243~EPA	hse-bla_ch2	Activator	cca	gnls
148243	148243~EPA	hse-bla_ratio	Activator	cca	hill
148243	148243~EPA	hse-bla_via	Repressor	cca	hill.inv
148243	148243~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
148243	148243~FDA	ap1-agonist_ch2	Activator	cca	gnls
148243	148243~FDA	ap1-agonist_ratio	Activator	cca	gnls
148243	148243~FDA	ap1-agonist_via	Complex	cca	gnls.inv
148243	148243~FDA	are-bla_ch1	Repressor	cca	hill.inv
148243	148243~FDA	are-bla_ch2	Activator	cca	hill
148243	148243~FDA	are-bla_ratio	Activator	cca	hill
148243	148243~FDA	are-bla_via	Inactive	cca	cnst
148243	148243~FDA	hse-bla_ch1	Repressor	cca	gnls.inv
148243	148243~FDA	hse-bla_ch2	Activator	cca	gnls
148243	148243~FDA	hse-bla_ratio	Activator	cca	hill
148243	148243~FDA	hse-bla_via	Repressor	cca	hill.inv
148243	148243~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
148243	148243~NTP	ap1-agonist_ch2	Activator	cca	gnls
148243	148243~NTP	ap1-agonist_ratio	Activator	cca	gnls
148243	148243~NTP	ap1-agonist_via	Complex	cca	gnls.inv
148243	148243~NTP	are-bla_ch1	Repressor	cca	hill.inv
148243	148243~NTP	are-bla_ch2	Activator	cca	hill
148243	148243~NTP	are-bla_ratio	Activator	cca	hill
148243	148243~NTP	are-bla_via	Repressor	cca	hill.inv
148243	148243~NTP	hse-bla_ch1	Repressor	cca	hill.inv
148243	148243~NTP	hse-bla_ch2	Activator	cca	gnls
148243	148243~NTP	hse-bla_ratio	Activator	cca	hill
148243	148243~NTP	hse-bla_via	Repressor	cca	hill.inv
148243	148243~NTP	p53-bla_ch1	Repressor	cca	hill.inv
148243	148243~NTP	p53-bla_ch2	Activator	cca	gnls
148243	148243~NTP	p53-bla_ratio	Activator	cca	hill
148243	148243~NTP	p53-bla_via	Repressor	cca	hill.inv
148477718	148477718~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
148477718	148477718~EPA	ap1-agonist_ch2	Activator	cca	gnls
148477718	148477718~EPA	ap1-agonist_ratio	Activator	cca	gnls
148477718	148477718~EPA	ap1-agonist_via	Inactive	cca	cnst
148477718	148477718~EPA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
148477718	148477718~EPA	are-bla_ch2	Activator	EOC/PUC	hill
148477718	148477718~EPA	are-bla_ratio	Activator	EOC/PUC	hill
148477718	148477718~EPA	are-bla_via	Repressor	EOC/PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
148477718	148477718~EPA	esre-bla_ch1	Activator	rfn	hill
148477718	148477718~EPA	esre-bla_ch2	Activator	rfn	gnls
148477718	148477718~EPA	esre-bla_ratio	Inactive	rfn	cnst
148477718	148477718~EPA	esre-bla_via	Inactive	rfn	cnst
148477718	148477718~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
148477718	148477718~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
148477718	148477718~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
148477718	148477718~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
148477718	148477718~EPA	p53-bla_ch1	Repressor	cca	hill.inv
148477718	148477718~EPA	p53-bla_ch2	Activator	cca	gnls
148477718	148477718~EPA	p53-bla_ratio	Activator	cca	hill
148477718	148477718~EPA	p53-bla_via	Repressor	cca	hill.inv
14866332	14866332~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
14866332	14866332~NTP	ap1-agonist_ch2	Activator	EOC	gnls
14866332	14866332~NTP	ap1-agonist_ratio	Activator	EOC	gnls
14866332	14866332~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
14866332	14866332~NTP	are-bla_ch1	Repressor	rfp	hill.inv
14866332	14866332~NTP	are-bla_ch2	Inactive	rfp	hill.inv
14866332	14866332~NTP	are-bla_ratio	Activator	rfp	gnls
14866332	14866332~NTP	are-bla_via	Repressor	rfp	hill.inv
14866332	14866332~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
14866332	14866332~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
14866332	14866332~NTP	esre-bla_ratio	Activator	rfp	hill
14866332	14866332~NTP	esre-bla_via	Repressor	rfp	hill.inv
14866332	14866332~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
14866332	14866332~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
14866332	14866332~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
14866332	14866332~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
14866332	14866332~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
14866332	14866332~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
14866332	14866332~NTP	hse-bla_ratio	Activator	rfp	hill
14866332	14866332~NTP	hse-bla_via	Repressor	rfp	hill.inv
14866332	14866332~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
14866332	14866332~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
14866332	14866332~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
14866332	14866332~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
14866332	14866332~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
14866332	14866332~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
14866332	14866332~NTP	p53-bla_ratio	Activator	rfp	hill
14866332	14866332~NTP	p53-bla_via	Repressor	rfp	hill.inv
14868032	14868032~NTP	are-bla_ch1	Repressor	cca	hill.inv
14868032	14868032~NTP	are-bla_ch2	Activator	cca	gnls
14868032	14868032~NTP	are-bla_ratio	Activator	cca	gnls
14868032	14868032~NTP	are-bla_via	Repressor	cca	hill.inv
14868032	14868032~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
14868032	14868032~NTP	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
14868032	14868032~NTP	p53-bla_ratio	Activator	rfp	hill
14868032	14868032~NTP	p53-bla_via	Inactive	rfp	cnst
148823	148823~FDA	p53-bla_ch1	Repressor	cca	hill.inv
148823	148823~FDA	p53-bla_ch2	Activator	cca	hill
148823	148823~FDA	p53-bla_ratio	Activator	cca	hill
148823	148823~FDA	p53-bla_via	Inactive	cca	cnst
148823	148823~NTP	p53-bla_ch1	Repressor	cca	hill.inv
148823	148823~NTP	p53-bla_ch2	Activator	cca	hill
148823	148823~NTP	p53-bla_ratio	Activator	cca	hill
148823	148823~NTP	p53-bla_via	Inactive	cca	cnst
14897393	14897393~NTP	are-bla_ch1	Activator	cca	gnls
14897393	14897393~NTP	are-bla_ch2	Activator	cca	hill
14897393	14897393~NTP	are-bla_ratio	Activator	cca	hill
14897393	14897393~NTP	are-bla_via	Inactive	cca	cnst
149304	149304~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
149304	149304~EPA	ap1-agonist_ch2	Activator	cca	hill
149304	149304~EPA	ap1-agonist_ratio	Activator	cca	hill
149304	149304~EPA	ap1-agonist_via	Inactive	cca	cnst
149304	149304~EPA	are-bla_ch1	Repressor	cca	hill.inv
149304	149304~EPA	are-bla_ch2	Activator	cca	hill
149304	149304~EPA	are-bla_ratio	Activator	cca	hill
149304	149304~EPA	are-bla_via	Inactive	cca	cnst
149304	149304~EPA	hse-bla_ch1	Inactive	cca	cnst
149304	149304~EPA	hse-bla_ch2	Activator	cca	gnls
149304	149304~EPA	hse-bla_ratio	Activator	cca	hill
149304	149304~EPA	hse-bla_via	Inactive	cca	cnst
149304	149304~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
149304	149304~FDA	ap1-agonist_ch2	Activator	cca	hill
149304	149304~FDA	ap1-agonist_ratio	Activator	cca	hill
149304	149304~FDA	ap1-agonist_via	Inactive	cca	cnst
149304	149304~FDA	are-bla_ch1	Inactive	cca	cnst
149304	149304~FDA	are-bla_ch2	Activator	cca	hill
149304	149304~FDA	are-bla_ratio	Activator	cca	hill
149304	149304~FDA	are-bla_via	Inactive	cca	cnst
149304	149304~FDA	hse-bla_ch1	Inactive	cca	cnst
149304	149304~FDA	hse-bla_ch2	Activator	cca	gnls
149304	149304~FDA	hse-bla_ratio	Activator	cca	gnls
149304	149304~FDA	hse-bla_via	Inactive	cca	cnst
149304	149304~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
149304	149304~NTP	ap1-agonist_ch2	Activator	cca	hill
149304	149304~NTP	ap1-agonist_ratio	Activator	cca	hill
149304	149304~NTP	ap1-agonist_via	Inactive	cca	cnst
149304	149304~NTP	are-bla_ch1	Repressor	cca	hill.inv
149304	149304~NTP	are-bla_ch2	Activator	cca	hill
149304	149304~NTP	are-bla_ratio	Activator	cca	hill
149304	149304~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
14938353	14938353~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
14938353	14938353~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
14938353	14938353~NTP	ap1-agonist_ratio	Activator	rfp	hill
14938353	14938353~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
149413741	149413741~EPA	are-bla_ch1	Inactive	EUC	cnst
149413741	149413741~EPA	are-bla_ch2	Activator	EUC	gnls
149413741	149413741~EPA	are-bla_ratio	Activator	EUC	hill
149413741	149413741~EPA	are-bla_via	Repressor	EUC	hill.inv
149413741	149413741~EPA	hse-bla_ch1	Repressor	cca	hill.inv
149413741	149413741~EPA	hse-bla_ch2	Activator	cca	hill
149413741	149413741~EPA	hse-bla_ratio	Activator	cca	hill
149413741	149413741~EPA	hse-bla_via	Repressor	cca	hill.inv
149413741	149413741~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
149413741	149413741~EPA	p53-bla_ch2	Inactive	rfp	cnst
149413741	149413741~EPA	p53-bla_ratio	Activator	rfp	hill
149413741	149413741~EPA	p53-bla_via	Repressor	rfp	hill.inv
149647789	149647789~FDA	p53-bla_ch1	Inactive	cca	cnst
149647789	149647789~FDA	p53-bla_ch2	Activator	cca	gnls
149647789	149647789~FDA	p53-bla_ratio	Activator	cca	gnls
149647789	149647789~FDA	p53-bla_via	Inactive	cca	cnst
14970877	14970877~EPA	are-bla_ch1	Repressor	cca	hill.inv
14970877	14970877~EPA	are-bla_ch2	Activator	cca	hill
14970877	14970877~EPA	are-bla_ratio	Activator	cca	hill
14970877	14970877~EPA	are-bla_via	Inactive	cca	cnst
14976579	14976579~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
14976579	14976579~FDA	ap1-agonist_ch2	Activator	cca	hill
14976579	14976579~FDA	ap1-agonist_ratio	Activator	cca	hill
14976579	14976579~FDA	ap1-agonist_via	Inactive	cca	cnst
14976579	14976579~FDA	are-bla_ch1	Repressor	rfn	hill.inv
14976579	14976579~FDA	are-bla_ch2	Activator	rfn	gnls
14976579	14976579~FDA	are-bla_ratio	Inactive	rfn	cnst
14976579	14976579~FDA	are-bla_via	Repressor	rfn	hill.inv
149845067	149845067~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
149845067	149845067~FDA	p53-bla_ch2	Inactive	rfp	cnst
149845067	149845067~FDA	p53-bla_ratio	Activator	rfp	hill
149845067	149845067~FDA	p53-bla_via	Repressor	rfp	hill.inv
149845067	149845067~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
149845067	149845067~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
149845067	149845067~NTP	ap1-agonist_ratio	Activator	rfp	hill
149845067	149845067~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
149845067	149845067~NTP	are-bla_ch1	Repressor	EUC	hill.inv
149845067	149845067~NTP	are-bla_ch2	Activator	EUC	gnls
149845067	149845067~NTP	are-bla_ratio	Activator	EUC	gnls
149845067	149845067~NTP	are-bla_via	Repressor	EUC	hill.inv
149845067	149845067~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
149845067	149845067~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
149845067	149845067~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
149845067	149845067~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
149845067	149845067~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
149845067	149845067~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
149845067	149845067~NTP	p53-bla_ratio	Activator	rfp	hill
149845067	149845067~NTP	p53-bla_via	Repressor	rfp	hill.inv
14984680	14984680~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
14984680	14984680~FDA	ap1-agonist_ch2	Activator	cca	hill
14984680	14984680~FDA	ap1-agonist_ratio	Activator	cca	hill
14984680	14984680~FDA	ap1-agonist_via	Inactive	cca	cnst
1498517	1498517~NTP	are-bla_ch1	Inactive	rfn	cnst
1498517	1498517~NTP	are-bla_ch2	Activator	rfn	hill
1498517	1498517~NTP	are-bla_ratio	Inactive	rfn	cnst
1498517	1498517~NTP	are-bla_via	Inactive	rfn	cnst
149877418	149877418~EPA	are-bla_ch1	Repressor	cca	hill.inv
149877418	149877418~EPA	are-bla_ch2	Activator	cca	hill
149877418	149877418~EPA	are-bla_ratio	Activator	cca	hill
149877418	149877418~EPA	are-bla_via	Inactive	cca	cnst
149917	149917~FDA	are-bla_ch1	Repressor	cca	hill.inv
149917	149917~FDA	are-bla_ch2	Activator	cca	hill
149917	149917~FDA	are-bla_ratio	Activator	cca	hill
149917	149917~FDA	are-bla_via	Inactive	cca	cnst
149917	149917~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
149917	149917~NTP	ap1-agonist_ch2	Activator	cca	hill
149917	149917~NTP	ap1-agonist_ratio	Activator	cca	hill
149917	149917~NTP	ap1-agonist_via	Inactive	cca	cnst
149917	149917~NTP	are-bla_ch1	Inactive	EUC/POC	cnst
149917	149917~NTP	are-bla_ch2	Activator	EUC/POC	gnls
149917	149917~NTP	are-bla_ratio	Activator	EUC/POC	hill
149917	149917~NTP	are-bla_via	Inactive	EUC/POC	cnst
150408734	150408734~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
150408734	150408734~FDA	ap1-agonist_ch2	Activator	EOC	gnls
150408734	150408734~FDA	ap1-agonist_ratio	Activator	EOC	gnls
150408734	150408734~FDA	ap1-agonist_via	Inactive	EOC	cnst
150408734	150408734~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
150408734	150408734~FDA	p53-bla_ch2	Inactive	rfp	cnst
150408734	150408734~FDA	p53-bla_ratio	Activator	rfp	hill
150408734	150408734~FDA	p53-bla_via	Inactive	rfp	cnst
15086949	15086949~EPA	ap1-agonist_ch1	Activator	rfn	hill
15086949	15086949~EPA	ap1-agonist_ch2	Activator	rfn	hill
15086949	15086949~EPA	ap1-agonist_ratio	Inactive	rfn	cnst
15086949	15086949~EPA	ap1-agonist_via	Inactive	rfn	cnst
15086949	15086949~EPA	are-bla_ch1	Activator	rfn	hill
15086949	15086949~EPA	are-bla_ch2	Activator	rfn	hill
15086949	15086949~EPA	are-bla_ratio	Inactive	rfn	hill.inv
15086949	15086949~EPA	are-bla_via	Inactive	rfn	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
151213	151213~NTP	are-bla_ch1	Repressor	rfp	hill.inv
151213	151213~NTP	are-bla_ch2	Inactive	rfp	cnst
151213	151213~NTP	are-bla_ratio	Activator	rfp	hill
151213	151213~NTP	are-bla_via	Repressor	rfp	hill.inv
151213	151213~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
151213	151213~NTP	p53-bla_ch2	Inactive	rfp	cnst
151213	151213~NTP	p53-bla_ratio	Activator	rfp	hill
151213	151213~NTP	p53-bla_via	Inactive	rfp	cnst
151767021	151767021~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
151767021	151767021~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
151767021	151767021~FDA	p53-bla_ratio	Activator	rfp	hill
151767021	151767021~FDA	p53-bla_via	Repressor	rfp	hill.inv
152044547	152044547~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
152044547	152044547~FDA	p53-bla_ch2	Activator	EUC	gnls
152044547	152044547~FDA	p53-bla_ratio	Activator	EUC	gnls
152044547	152044547~FDA	p53-bla_via	Inactive	EUC	cnst
15233473	15233473~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
15233473	15233473~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
15233473	15233473~EPA	ap1-agonist_ratio	Activator	rfp	hill
15233473	15233473~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
15233473	15233473~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
15233473	15233473~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
15233473	15233473~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
15233473	15233473~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
15233473	15233473~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
15233473	15233473~EPA	hse-bla_ch2	Inactive	rfp	cnst
15233473	15233473~EPA	hse-bla_ratio	Activator	rfp	hill
15233473	15233473~EPA	hse-bla_via	Repressor	rfp	hill.inv
15233473	15233473~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
15233473	15233473~EPA	p53-bla_ch2	Inactive	rfp	cnst
15233473	15233473~EPA	p53-bla_ratio	Activator	rfp	hill
15233473	15233473~EPA	p53-bla_via	Repressor	rfp	hill.inv
152432	152432~FDA	are-bla_ch1	Inactive	cca	cnst
152432	152432~FDA	are-bla_ch2	Activator	cca	hill
152432	152432~FDA	are-bla_ratio	Activator	cca	hill
152432	152432~FDA	are-bla_via	Inactive	cca	cnst
152625	152625~FDA	are-bla_ch1	Inactive	cca	cnst
152625	152625~FDA	are-bla_ch2	Activator	cca	hill
152625	152625~FDA	are-bla_ratio	Activator	cca	hill
152625	152625~FDA	are-bla_via	Inactive	cca	cnst
152946684	152946684~FDA	p53-bla_ch1	Inactive	cca	cnst
152946684	152946684~FDA	p53-bla_ch2	Activator	cca	hill
152946684	152946684~FDA	p53-bla_ratio	Activator	cca	hill
152946684	152946684~FDA	p53-bla_via	Repressor	cca	hill.inv
15299997	15299997~EPA	are-bla_ch1	Inactive	EUC	cnst
15299997	15299997~EPA	are-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
15299997	15299997~EPA	are-bla_ratio	Activator	EUC	hill
15299997	15299997~EPA	are-bla_via	Inactive	EUC	cnst
15307796	15307796~EPA	are-bla_ch1	Inactive	cca	cnst
15307796	15307796~EPA	are-bla_ch2	Activator	cca	hill
15307796	15307796~EPA	are-bla_ratio	Activator	cca	hill
15307796	15307796~EPA	are-bla_via	Inactive	cca	cnst
15310017	15310017~EPA	are-bla_ch1	Inactive	EUC	cnst
15310017	15310017~EPA	are-bla_ch2	Activator	EUC	hill
15310017	15310017~EPA	are-bla_ratio	Activator	EUC	hill
15310017	15310017~EPA	are-bla_via	Inactive	EUC	cnst
153233911	153233911~EPA	are-bla_ch1	Repressor	EUC	hill.inv
153233911	153233911~EPA	are-bla_ch2	Activator	EUC	hill
153233911	153233911~EPA	are-bla_ratio	Activator	EUC	hill
153233911	153233911~EPA	are-bla_via	Inactive	EUC	cnst
15345898	15345898~NTP	are-bla_ch1	Inactive	EUC	cnst
15345898	15345898~NTP	are-bla_ch2	Activator	EUC	hill
15345898	15345898~NTP	are-bla_ratio	Activator	EUC	hill
15345898	15345898~NTP	are-bla_via	Inactive	EUC	cnst
153559490	153559490~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
153559490	153559490~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
153559490	153559490~EPA	ap1-agonist_ratio	Activator	rfp	hill
153559490	153559490~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
153559490	153559490~EPA	are-bla_ch1	Repressor	cca	hill.inv
153559490	153559490~EPA	are-bla_ch2	Activator	cca	gnls
153559490	153559490~EPA	are-bla_ratio	Activator	cca	hill
153559490	153559490~EPA	are-bla_via	Repressor	cca	hill.inv
153559490	153559490~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
153559490	153559490~EPA	esre-bla_ch2	Inactive	rfp	cnst
153559490	153559490~EPA	esre-bla_ratio	Activator	rfp	hill
153559490	153559490~EPA	esre-bla_via	Repressor	rfp	hill.inv
153559490	153559490~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
153559490	153559490~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
153559490	153559490~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
153559490	153559490~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
153559490	153559490~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
153559490	153559490~EPA	hse-bla_ch2	Inactive	rfp	cnst
153559490	153559490~EPA	hse-bla_ratio	Activator	rfp	hill
153559490	153559490~EPA	hse-bla_via	Repressor	rfp	hill.inv
153559490	153559490~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
153559490	153559490~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
153559490	153559490~EPA	p53-bla_ratio	Activator	rfp	hill
153559490	153559490~EPA	p53-bla_via	Repressor	rfp	hill.inv
153559490	153559490~FDA	are-bla_ch1	Repressor	EUC	hill.inv
153559490	153559490~FDA	are-bla_ch2	Activator	EUC	gnls
153559490	153559490~FDA	are-bla_ratio	Activator	EUC	gnls
153559490	153559490~FDA	are-bla_via	Repressor	EUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
153559490	153559490~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
153559490	153559490~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
153559490	153559490~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
153559490	153559490~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
153559490	153559490~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
153559490	153559490~FDA	hse-bla_ch2	Inactive	rfp	cnst
153559490	153559490~FDA	hse-bla_ratio	Activator	rfp	hill
153559490	153559490~FDA	hse-bla_via	Repressor	rfp	hill.inv
153559490	153559490~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
153559490	153559490~FDA	p53-bla_ch2	Inactive	rfp	cnst
153559490	153559490~FDA	p53-bla_ratio	Activator	rfp	hill
153559490	153559490~FDA	p53-bla_via	Repressor	rfp	hill.inv
15362400	15362400~EPA	are-bla_ch1	Inactive	cca	cnst
15362400	15362400~EPA	are-bla_ch2	Activator	cca	hill
15362400	15362400~EPA	are-bla_ratio	Activator	cca	hill
15362400	15362400~EPA	are-bla_via	Inactive	cca	cnst
15387185	15387185~FDA	are-bla_ch1	Inactive	EUC	cnst
15387185	15387185~FDA	are-bla_ch2	Activator	EUC	hill
15387185	15387185~FDA	are-bla_ratio	Activator	EUC	hill
15387185	15387185~FDA	are-bla_via	Inactive	EUC	cnst
1541679	1541679~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1541679	1541679~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1541679	1541679~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1541679	1541679~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1541679	1541679~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1541679	1541679~EPA	hse-bla_ch2	Inactive	rfp	cnst
1541679	1541679~EPA	hse-bla_ratio	Activator	rfp	hill
1541679	1541679~EPA	hse-bla_via	Repressor	rfp	hill.inv
1541679	1541679~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1541679	1541679~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
1541679	1541679~EPA	p53-bla_ratio	Activator	rfp	hill
1541679	1541679~EPA	p53-bla_via	Repressor	rfp	hill.inv
1541817	1541817~EPA	are-bla_ch1	Inactive	EUC	cnst
1541817	1541817~EPA	are-bla_ch2	Activator	EUC	hill
1541817	1541817~EPA	are-bla_ratio	Activator	EUC	hill
1541817	1541817~EPA	are-bla_via	Inactive	EUC	cnst
154427	154427~EPA	are-bla_ch1	Inactive	cca	cnst
154427	154427~EPA	are-bla_ch2	Activator	cca	hill
154427	154427~EPA	are-bla_ratio	Activator	cca	gnls
154427	154427~EPA	are-bla_via	Repressor	cca	hill.inv
154427	154427~EPA	esre-bla_ch1	Inactive	cca	cnst
154427	154427~EPA	esre-bla_ch2	Activator	cca	hill
154427	154427~EPA	esre-bla_ratio	Activator	cca	hill
154427	154427~EPA	esre-bla_via	Inactive	cca	cnst
154427	154427~EPA	p53-bla_ch1	Repressor	cca	hill.inv
154427	154427~EPA	p53-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
154427	154427~EPA	p53-bla_ratio	Activator	cca	gnls
154427	154427~EPA	p53-bla_via	Repressor	cca	hill.inv
154427	154427~FDA	are-bla_ch1	Inactive	cca	cnst
154427	154427~FDA	are-bla_ch2	Activator	cca	hill
154427	154427~FDA	are-bla_ratio	Activator	cca	hill
154427	154427~FDA	are-bla_via	Repressor	cca	hill.inv
154427	154427~FDA	esre-bla_ch1	Inactive	cca	cnst
154427	154427~FDA	esre-bla_ch2	Activator	cca	hill
154427	154427~FDA	esre-bla_ratio	Activator	cca	hill
154427	154427~FDA	esre-bla_via	Inactive	cca	cnst
154427	154427~FDA	p53-bla_ch1	Repressor	cca	hill.inv
154427	154427~FDA	p53-bla_ch2	Activator	cca	gnls
154427	154427~FDA	p53-bla_ratio	Activator	cca	gnls
154427	154427~FDA	p53-bla_via	Repressor	cca	hill.inv
154427	154427~NTP	are-bla_ch1	Inactive	EUC	cnst
154427	154427~NTP	are-bla_ch2	Activator	EUC	gnls
154427	154427~NTP	are-bla_ratio	Activator	EUC	hill
154427	154427~NTP	are-bla_via	Repressor	EUC	hill.inv
154427	154427~NTP	esre-bla_ch1	Inactive	cca	cnst
154427	154427~NTP	esre-bla_ch2	Activator	cca	gnls
154427	154427~NTP	esre-bla_ratio	Activator	cca	gnls
154427	154427~NTP	esre-bla_via	Repressor	cca	hill.inv
154427	154427~NTP	p53-bla_ch1	Repressor	cca	hill.inv
154427	154427~NTP	p53-bla_ch2	Activator	cca	gnls
154427	154427~NTP	p53-bla_ratio	Activator	cca	hill
154427	154427~NTP	p53-bla_via	Repressor	cca	hill.inv
154598524	154598524~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
154598524	154598524~FDA	ap1-agonist_ch2	Activator	cca	gnls
154598524	154598524~FDA	ap1-agonist_ratio	Activator	cca	gnls
154598524	154598524~FDA	ap1-agonist_via	Repressor	cca	hill.inv
154598524	154598524~FDA	are-bla_ch1	Repressor	cca	hill.inv
154598524	154598524~FDA	are-bla_ch2	Activator	cca	hill
154598524	154598524~FDA	are-bla_ratio	Activator	cca	hill
154598524	154598524~FDA	are-bla_via	Inactive	cca	cnst
154825	154825~FDA	are-bla_ch1	Repressor	cca	hill.inv
154825	154825~FDA	are-bla_ch2	Activator	cca	hill
154825	154825~FDA	are-bla_ratio	Activator	cca	hill
154825	154825~FDA	are-bla_via	Inactive	cca	cnst
154938	154938~FDA	are-bla_ch1	Inactive	cca	cnst
154938	154938~FDA	are-bla_ch2	Activator	cca	hill
154938	154938~FDA	are-bla_ratio	Activator	cca	hill
154938	154938~FDA	are-bla_via	Inactive	cca	cnst
155141290	155141290~EPA	are-bla_ch1	Inactive	cca	cnst
155141290	155141290~EPA	are-bla_ch2	Activator	cca	hill
155141290	155141290~EPA	are-bla_ratio	Activator	cca	hill
155141290	155141290~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
155213675	155213675~FDA	are-bla_ch1	Inactive	EUC	cnst
155213675	155213675~FDA	are-bla_ch2	Activator	EUC	hill
155213675	155213675~FDA	are-bla_ratio	Activator	EUC	hill
155213675	155213675~FDA	are-bla_via	Inactive	EUC	cnst
1552427	1552427~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1552427	1552427~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
1552427	1552427~NTP	ap1-agonist_ratio	Activator	rfp	hill
1552427	1552427~NTP	ap1-agonist_via	Inactive	rfp	cnst
1552427	1552427~NTP	are-bla_ch1	Repressor	rfp	hill.inv
1552427	1552427~NTP	are-bla_ch2	Inactive	rfp	gnls.inv
1552427	1552427~NTP	are-bla_ratio	Activator	rfp	hill
1552427	1552427~NTP	are-bla_via	Inactive	rfp	cnst
1552427	1552427~NTP	esre-bla_ch1	Repressor	EOC	hill.inv
1552427	1552427~NTP	esre-bla_ch2	Activator	EOC	hill
1552427	1552427~NTP	esre-bla_ratio	Activator	EOC	hill
1552427	1552427~NTP	esre-bla_via	Inactive	EOC	cnst
1552427	1552427~NTP	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
1552427	1552427~NTP	hre-bla-agonist_ch2	Activator	EOC	hill
1552427	1552427~NTP	hre-bla-agonist_ratio	Activator	EOC	hill
1552427	1552427~NTP	hre-bla-agonist_via	Inactive	EOC	cnst
1552427	1552427~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
1552427	1552427~NTP	hse-bla_ch2	Inactive	rfp	cnst
1552427	1552427~NTP	hse-bla_ratio	Activator	rfp	hill
1552427	1552427~NTP	hse-bla_via	Inactive	rfp	cnst
1552427	1552427~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1552427	1552427~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1552427	1552427~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1552427	1552427~NTP	nfkb-bla-agonist_via	Inactive	rfp	cnst
1552427	1552427~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
1552427	1552427~NTP	p53-bla_ch2	Activator	EOC	hill
1552427	1552427~NTP	p53-bla_ratio	Activator	EOC	hill
1552427	1552427~NTP	p53-bla_via	Inactive	EOC	cnst
1553340	1553340~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1553340	1553340~FDA	ap1-agonist_ch2	Activator	cca	hill
1553340	1553340~FDA	ap1-agonist_ratio	Activator	cca	hill
1553340	1553340~FDA	ap1-agonist_via	Inactive	cca	cnst
155569918	155569918~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
155569918	155569918~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
155569918	155569918~EPA	ap1-agonist_ratio	Activator	rfp	hill
155569918	155569918~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
155569918	155569918~EPA	are-bla_ch1	Repressor	cca	hill.inv
155569918	155569918~EPA	are-bla_ch2	Activator	cca	gnls
155569918	155569918~EPA	are-bla_ratio	Activator	cca	gnls
155569918	155569918~EPA	are-bla_via	Repressor	cca	hill.inv
155569918	155569918~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
155569918	155569918~EPA	esre-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
155569918	155569918~EPA	esre-bla_ratio	Activator	rfp	hill
155569918	155569918~EPA	esre-bla_via	Repressor	rfp	hill.inv
155569918	155569918~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
155569918	155569918~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
155569918	155569918~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
155569918	155569918~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
155569918	155569918~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
155569918	155569918~EPA	hse-bla_ch2	Inactive	rfp	cnst
155569918	155569918~EPA	hse-bla_ratio	Activator	rfp	hill
155569918	155569918~EPA	hse-bla_via	Repressor	rfp	hill.inv
155569918	155569918~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
155569918	155569918~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
155569918	155569918~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
155569918	155569918~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
155569918	155569918~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
155569918	155569918~EPA	p53-bla_ch2	Inactive	rfp	gnls.inv
155569918	155569918~EPA	p53-bla_ratio	Activator	rfp	hill
155569918	155569918~EPA	p53-bla_via	Repressor	rfp	hill.inv
15574966	15574966~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
15574966	15574966~FDA	ap1-agonist_ch2	Activator	cca	hill
15574966	15574966~FDA	ap1-agonist_ratio	Activator	cca	hill
15574966	15574966~FDA	ap1-agonist_via	Inactive	cca	cnst
155990208	155990208~EPA	are-bla_ch1	Repressor	rfp	hill.inv
155990208	155990208~EPA	are-bla_ch2	Inactive	rfp	hill.inv
155990208	155990208~EPA	are-bla_ratio	Activator	rfp	gnls
155990208	155990208~EPA	are-bla_via	Repressor	rfp	hill.inv
155990208	155990208~EPA	esre-bla_ch1	Inactive	rfp	cnst
155990208	155990208~EPA	esre-bla_ch2	Inactive	rfp	cnst
155990208	155990208~EPA	esre-bla_ratio	Activator	rfp	gnls
155990208	155990208~EPA	esre-bla_via	Inactive	rfp	cnst
155990208	155990208~EPA	p53-bla_ch1	Complex	EOC	gnls.inv
155990208	155990208~EPA	p53-bla_ch2	Activator	EOC	hill
155990208	155990208~EPA	p53-bla_ratio	Activator	EOC	gnls
155990208	155990208~EPA	p53-bla_via	Inactive	EOC	cnst
15599527	15599527~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
15599527	15599527~FDA	ap1-agonist_ch2	Activator	cca	gnls
15599527	15599527~FDA	ap1-agonist_ratio	Activator	cca	gnls
15599527	15599527~FDA	ap1-agonist_via	Activator	cca	hill
15599527	15599527~FDA	hse-bla_ch1	Repressor	cca	hill.inv
15599527	15599527~FDA	hse-bla_ch2	Activator	cca	hill
15599527	15599527~FDA	hse-bla_ratio	Activator	cca	hill
15599527	15599527~FDA	hse-bla_via	Inactive	cca	cnst
156052685	156052685~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
156052685	156052685~EPA	ap1-agonist_ch2	Activator	cca	gnls
156052685	156052685~EPA	ap1-agonist_ratio	Activator	cca	hill
156052685	156052685~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
156052685	156052685~EPA	are-bla_ch1	Repressor	EOC	hill.inv
156052685	156052685~EPA	are-bla_ch2	Activator	EOC	gnls
156052685	156052685~EPA	are-bla_ratio	Activator	EOC	gnls
156052685	156052685~EPA	are-bla_via	Repressor	EOC	hill.inv
156052685	156052685~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
156052685	156052685~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
156052685	156052685~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
156052685	156052685~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
156052685	156052685~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
156052685	156052685~EPA	hse-bla_ch2	Activator	EOC	gnls
156052685	156052685~EPA	hse-bla_ratio	Activator	EOC	gnls
156052685	156052685~EPA	hse-bla_via	Repressor	EOC	hill.inv
156052685	156052685~EPA	p53-bla_ch1	Repressor	cca	hill.inv
156052685	156052685~EPA	p53-bla_ch2	Activator	cca	gnls
156052685	156052685~EPA	p53-bla_ratio	Activator	cca	hill
156052685	156052685~EPA	p53-bla_via	Repressor	cca	hill.inv
156069	156069~EPA	are-bla_ch1	Repressor	cca	hill.inv
156069	156069~EPA	are-bla_ch2	Activator	cca	hill
156069	156069~EPA	are-bla_ratio	Activator	cca	hill
156069	156069~EPA	are-bla_via	Inactive	cca	cnst
156105	156105~EPA	are-bla_ch1	Activator	cca	hill
156105	156105~EPA	are-bla_ch2	Activator	cca	gnls
156105	156105~EPA	are-bla_ratio	Activator	cca	gnls
156105	156105~EPA	are-bla_via	Inactive	cca	cnst
156105	156105~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
156105	156105~EPA	hse-bla_ch2	Inactive	rfp	cnst
156105	156105~EPA	hse-bla_ratio	Activator	rfp	hill
156105	156105~EPA	hse-bla_via	Repressor	rfp	hill.inv
156105	156105~EPA	p53-bla_ch1	Repressor	cca	hill.inv
156105	156105~EPA	p53-bla_ch2	Activator	cca	hill
156105	156105~EPA	p53-bla_ratio	Activator	cca	hill
156105	156105~EPA	p53-bla_via	Inactive	cca	cnst
156105	156105~NTP	are-bla_ch1	Repressor	cca	hill.inv
156105	156105~NTP	are-bla_ch2	Activator	cca	hill
156105	156105~NTP	are-bla_ratio	Activator	cca	hill
156105	156105~NTP	are-bla_via	Inactive	cca	cnst
156105	156105~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
156105	156105~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
156105	156105~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
156105	156105~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
15619484	15619484~EPA	are-bla_ch1	Repressor	cca	hill.inv
15619484	15619484~EPA	are-bla_ch2	Activator	cca	hill
15619484	15619484~EPA	are-bla_ratio	Activator	cca	hill
15619484	15619484~EPA	are-bla_via	Inactive	cca	cnst
15625895	15625895~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
15625895	15625895~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv



CAS	CASlib	endpoint	activity	call.type	win.mdl
15625895	15625895~EPA	ap1-agonist_ratio	Activator	rfp	gnls
15625895	15625895~EPA	ap1-agonist_via	Inactive	rfp	cnst
15625895	15625895~EPA	are-bla_ch1	Repressor	cca	hill.inv
15625895	15625895~EPA	are-bla_ch2	Activator	cca	gnls
15625895	15625895~EPA	are-bla_ratio	Activator	cca	gnls
15625895	15625895~EPA	are-bla_via	Repressor	cca	hill.inv
15625895	15625895~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
15625895	15625895~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
15625895	15625895~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
15625895	15625895~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
15625895	15625895~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
15625895	15625895~EPA	hse-bla_ch2	Inactive	rfp	cnst
15625895	15625895~EPA	hse-bla_ratio	Activator	rfp	hill
15625895	15625895~EPA	hse-bla_via	Repressor	rfp	hill.inv
15625895	15625895~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
15625895	15625895~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
15625895	15625895~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
15625895	15625895~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
15625895	15625895~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
15625895	15625895~EPA	p53-bla_ch2	Inactive	rfp	cnst
15625895	15625895~EPA	p53-bla_ratio	Activator	rfp	hill
15625895	15625895~EPA	p53-bla_via	Repressor	rfp	hill.inv
15625895	15625895~NTP	are-bla_ch1	Repressor	cca	gnls.inv
15625895	15625895~NTP	are-bla_ch2	Activator	cca	gnls
15625895	15625895~NTP	are-bla_ratio	Activator	cca	gnls
15625895	15625895~NTP	are-bla_via	Inactive	cca	cnst
15625895	15625895~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
15625895	15625895~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
15625895	15625895~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
15625895	15625895~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
15625895	15625895~NTP	hse-bla_ch1	Repressor	rfp	gnls.inv
15625895	15625895~NTP	hse-bla_ch2	Inactive	rfp	cnst
15625895	15625895~NTP	hse-bla_ratio	Activator	rfp	gnls
15625895	15625895~NTP	hse-bla_via	Repressor	rfp	hill.inv
15625895	15625895~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
15625895	15625895~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
15625895	15625895~NTP	p53-bla_ratio	Activator	rfp	hill
15625895	15625895~NTP	p53-bla_via	Repressor	rfp	hill.inv
1562943	1562943~NTP	are-bla_ch1	Inactive	cca	cnst
1562943	1562943~NTP	are-bla_ch2	Activator	cca	hill
1562943	1562943~NTP	are-bla_ratio	Activator	cca	hill
1562943	1562943~NTP	are-bla_via	Inactive	cca	cnst
1564643	1564643~NTP	are-bla_ch1	Inactive	cca	cnst
1564643	1564643~NTP	are-bla_ch2	Activator	cca	hill
1564643	1564643~NTP	are-bla_ratio	Activator	cca	hill
1564643	1564643~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
1564643	1564643~NTP	esre-bla_ch1	Inactive	EUC	cnst
1564643	1564643~NTP	esre-bla_ch2	Activator	EUC	hill
1564643	1564643~NTP	esre-bla_ratio	Activator	EUC	hill
1564643	1564643~NTP	esre-bla_via	Inactive	EUC	cnst
1564643	1564643~NTP	nfkb-bla-agonist_ch1	Inactive	EUC	cnst
1564643	1564643~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
1564643	1564643~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
1564643	1564643~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
1564643	1564643~NTP	p53-bla_ch1	Activator	PUC	gnls
1564643	1564643~NTP	p53-bla_ch2	Activator	PUC	hill
1564643	1564643~NTP	p53-bla_ratio	Activator	PUC	hill
1564643	1564643~NTP	p53-bla_via	Inactive	PUC	cnst
156514	156514~NTP	are-bla_ch1	Inactive	EUC	cnst
156514	156514~NTP	are-bla_ch2	Activator	EUC	hill
156514	156514~NTP	are-bla_ratio	Activator	EUC	hill
156514	156514~NTP	are-bla_via	Inactive	EUC	cnst
1565942	1565942~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1565942	1565942~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1565942	1565942~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1565942	1565942~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1565942	1565942~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1565942	1565942~EPA	hse-bla_ch2	Inactive	rfp	cnst
1565942	1565942~EPA	hse-bla_ratio	Activator	rfp	hill
1565942	1565942~EPA	hse-bla_via	Repressor	rfp	hill.inv
156601795	156601795~FDA	are-bla_ch1	Repressor	cca	hill.inv
156601795	156601795~FDA	are-bla_ch2	Activator	cca	hill
156601795	156601795~FDA	are-bla_ratio	Activator	cca	hill
156601795	156601795~FDA	are-bla_via	Inactive	cca	cnst
156605	156605~EPA	are-bla_ch1	Inactive	cca	cnst
156605	156605~EPA	are-bla_ch2	Activator	cca	hill
156605	156605~EPA	are-bla_ratio	Activator	cca	hill
156605	156605~EPA	are-bla_via	Inactive	cca	cnst
15663271	15663271~FDA	ap1-agonist_ch1	Inactive	cca	cnst
15663271	15663271~FDA	ap1-agonist_ch2	Activator	cca	hill
15663271	15663271~FDA	ap1-agonist_ratio	Activator	cca	hill
15663271	15663271~FDA	ap1-agonist_via	Inactive	cca	cnst
15663271	15663271~FDA	are-bla_ch1	Inactive	cca	cnst
15663271	15663271~FDA	are-bla_ch2	Activator	cca	hill
15663271	15663271~FDA	are-bla_ratio	Activator	cca	hill
15663271	15663271~FDA	are-bla_via	Inactive	cca	cnst
15663271	15663271~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
15663271	15663271~NTP	ap1-agonist_ch2	Activator	cca	hill
15663271	15663271~NTP	ap1-agonist_ratio	Activator	cca	hill
15663271	15663271~NTP	ap1-agonist_via	Inactive	cca	cnst
15663271	15663271~NTP	are-bla_ch1	Repressor	cca	hill.inv
15663271	15663271~NTP	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
15663271	15663271~NTP	are-bla_ratio	Activator	cca	hill
15663271	15663271~NTP	are-bla_via	Inactive	cca	cnst
156727741	156727741~FDA	are-bla_ch1	Inactive	EUC	cnst
156727741	156727741~FDA	are-bla_ch2	Activator	EUC	hill
156727741	156727741~FDA	are-bla_ratio	Activator	EUC	hill
156727741	156727741~FDA	are-bla_via	Inactive	EUC	cnst
15686712	15686712~FDA	are-bla_ch1	Inactive	cca	cnst
15686712	15686712~FDA	are-bla_ch2	Activator	cca	hill
15686712	15686712~FDA	are-bla_ratio	Activator	cca	hill
15686712	15686712~FDA	are-bla_via	Inactive	cca	cnst
15686723	15686723~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
15686723	15686723~FDA	p53-bla_ch2	Inactive	rfp	cnst
15686723	15686723~FDA	p53-bla_ratio	Activator	rfp	hill
15686723	15686723~FDA	p53-bla_via	Repressor	rfp	hill.inv
15708415	15708415~EPA	ap1-agonist_ch1	Inactive	cca	cnst
15708415	15708415~EPA	ap1-agonist_ch2	Activator	cca	hill
15708415	15708415~EPA	ap1-agonist_ratio	Activator	cca	hill
15708415	15708415~EPA	ap1-agonist_via	Inactive	cca	cnst
15708415	15708415~EPA	are-bla_ch1	Repressor	cca	hill.inv
15708415	15708415~EPA	are-bla_ch2	Activator	cca	hill
15708415	15708415~EPA	are-bla_ratio	Activator	cca	hill
15708415	15708415~EPA	are-bla_via	Inactive	cca	cnst
15708415	15708415~NTP	are-bla_ch1	Repressor	cca	hill.inv
15708415	15708415~NTP	are-bla_ch2	Activator	cca	hill
15708415	15708415~NTP	are-bla_ratio	Activator	cca	hill
15708415	15708415~NTP	are-bla_via	Inactive	cca	cnst
1571751	1571751~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1571751	1571751~NTP	ap1-agonist_ch2	Activator	cca	gnls
1571751	1571751~NTP	ap1-agonist_ratio	Activator	cca	gnls
1571751	1571751~NTP	ap1-agonist_via	Repressor	cca	hill.inv
1571751	1571751~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1571751	1571751~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1571751	1571751~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1571751	1571751~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
15721025	15721025~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
15721025	15721025~EPA	ap1-agonist_ch2	Activator	cca	gnls
15721025	15721025~EPA	ap1-agonist_ratio	Activator	cca	hill
15721025	15721025~EPA	ap1-agonist_via	Repressor	cca	hill.inv
15721025	15721025~EPA	are-bla_ch1	Repressor	EUC	hill.inv
15721025	15721025~EPA	are-bla_ch2	Activator	EUC	gnls
15721025	15721025~EPA	are-bla_ratio	Activator	EUC	gnls
15721025	15721025~EPA	are-bla_via	Repressor	EUC	hill.inv
15721025	15721025~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
15721025	15721025~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
15721025	15721025~EPA	esre-bla_ratio	Activator	rfp	hill
15721025	15721025~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
15721025	15721025~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
15721025	15721025~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
15721025	15721025~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
15721025	15721025~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
15721025	15721025~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
15721025	15721025~EPA	hse-bla_ch2	Activator	EOC	gnls
15721025	15721025~EPA	hse-bla_ratio	Activator	EOC	hill
15721025	15721025~EPA	hse-bla_via	Repressor	EOC	hill.inv
15721025	15721025~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
15721025	15721025~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
15721025	15721025~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
15721025	15721025~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
15721025	15721025~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
15721025	15721025~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
15721025	15721025~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
15721025	15721025~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
15721025	15721025~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
15721025	15721025~NTP	ap1-agonist_ch2	Activator	cca	gnls
15721025	15721025~NTP	ap1-agonist_ratio	Activator	cca	hill
15721025	15721025~NTP	ap1-agonist_via	Repressor	cca	hill.inv
15721025	15721025~NTP	are-bla_ch1	Repressor	cca	hill.inv
15721025	15721025~NTP	are-bla_ch2	Activator	cca	gnls
15721025	15721025~NTP	are-bla_ratio	Activator	cca	gnls
15721025	15721025~NTP	are-bla_via	Repressor	cca	hill.inv
15721025	15721025~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
15721025	15721025~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
15721025	15721025~NTP	esre-bla_ratio	Activator	rfp	hill
15721025	15721025~NTP	esre-bla_via	Repressor	rfp	hill.inv
15721025	15721025~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
15721025	15721025~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
15721025	15721025~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
15721025	15721025~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
15721025	15721025~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
15721025	15721025~NTP	hse-bla_ch2	Inactive	rfp	cnst
15721025	15721025~NTP	hse-bla_ratio	Activator	rfp	hill
15721025	15721025~NTP	hse-bla_via	Repressor	rfp	hill.inv
15721025	15721025~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
15721025	15721025~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
15721025	15721025~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
15721025	15721025~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
15721025	15721025~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
15721025	15721025~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
15721025	15721025~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
15721025	15721025~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
1572527	1572527~NTP	are-bla_ch1	Inactive	cca	cnst
1572527	1572527~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
1572527	1572527~NTP	are-bla_ratio	Activator	cca	hill
1572527	1572527~NTP	are-bla_via	Inactive	cca	cnst
157810816	157810816~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
157810816	157810816~FDA	p53-bla_ch2	Inactive	rfp	cnst
157810816	157810816~FDA	p53-bla_ratio	Activator	rfp	hill
157810816	157810816~FDA	p53-bla_via	Repressor	rfp	hill.inv
15791783	15791783~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
15791783	15791783~EPA	ap1-agonist_ch2	Activator	cca	gnls
15791783	15791783~EPA	ap1-agonist_ratio	Activator	cca	hill
15791783	15791783~EPA	ap1-agonist_via	Inactive	cca	cnst
15791783	15791783~EPA	are-bla_ch1	Repressor	cca	hill.inv
15791783	15791783~EPA	are-bla_ch2	Activator	cca	gnls
15791783	15791783~EPA	are-bla_ratio	Activator	cca	hill
15791783	15791783~EPA	are-bla_via	Inactive	cca	cnst
158081993	158081993~EPA	are-bla_ch1	Inactive	EUC	cnst
158081993	158081993~EPA	are-bla_ch2	Activator	EUC	gnls
158081993	158081993~EPA	are-bla_ratio	Activator	EUC	gnls
158081993	158081993~EPA	are-bla_via	Inactive	EUC	cnst
158081993	158081993~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
158081993	158081993~EPA	p53-bla_ch2	Inactive	rfp	cnst
158081993	158081993~EPA	p53-bla_ratio	Activator	rfp	hill
158081993	158081993~EPA	p53-bla_via	Repressor	rfp	hill.inv
15905325	15905325~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
15905325	15905325~EPA	ap1-agonist_ch2	Activator	cca	gnls
15905325	15905325~EPA	ap1-agonist_ratio	Activator	cca	gnls
15905325	15905325~EPA	ap1-agonist_via	Inactive	cca	cnst
15930662	15930662~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
15930662	15930662~EPA	ap1-agonist_ch2	Activator	cca	hill
15930662	15930662~EPA	ap1-agonist_ratio	Activator	cca	hill
15930662	15930662~EPA	ap1-agonist_via	Inactive	cca	cnst
159351696	159351696~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
159351696	159351696~FDA	p53-bla_ch2	Inactive	rfp	cnst
159351696	159351696~FDA	p53-bla_ratio	Activator	rfp	hill
159351696	159351696~FDA	p53-bla_via	Repressor	rfp	hill.inv
1594565	1594565~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1594565	1594565~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1594565	1594565~EPA	ap1-agonist_ratio	Activator	rfp	hill
1594565	1594565~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1594565	1594565~EPA	are-bla_ch1	Repressor	cca	hill.inv
1594565	1594565~EPA	are-bla_ch2	Activator	cca	gnls
1594565	1594565~EPA	are-bla_ratio	Activator	cca	gnls
1594565	1594565~EPA	are-bla_via	Repressor	cca	hill.inv
1594565	1594565~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1594565	1594565~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
1594565	1594565~EPA	esre-bla_ratio	Activator	rfp	gnls
1594565	1594565~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1594565	1594565~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1594565	1594565~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
1594565	1594565~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
1594565	1594565~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1594565	1594565~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1594565	1594565~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
1594565	1594565~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
1594565	1594565~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
1594565	1594565~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1594565	1594565~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1594565	1594565~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1594565	1594565~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1594565	1594565~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1594565	1594565~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
1594565	1594565~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
1594565	1594565~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
15950660	15950660~NTP	are-bla_ch1	Inactive	EUC	cnst
15950660	15950660~NTP	are-bla_ch2	Activator	EUC	hill
15950660	15950660~NTP	are-bla_ratio	Activator	EUC	hill
15950660	15950660~NTP	are-bla_via	Inactive	EUC	cnst
15972608	15972608~EPA	are-bla_ch1	Repressor	cca	gnls.inv
15972608	15972608~EPA	are-bla_ch2	Activator	cca	hill
15972608	15972608~EPA	are-bla_ratio	Activator	cca	hill
15972608	15972608~EPA	are-bla_via	Inactive	cca	cnst
15972608	15972608~NTP	are-bla_ch1	Repressor	cca	gnls.inv
15972608	15972608~NTP	are-bla_ch2	Activator	cca	hill
15972608	15972608~NTP	are-bla_ratio	Activator	cca	hill
15972608	15972608~NTP	are-bla_via	Inactive	cca	cnst
159989658	159989658~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
159989658	159989658~FDA	p53-bla_ch2	Inactive	rfp	cnst
159989658	159989658~FDA	p53-bla_ratio	Activator	rfp	hill
159989658	159989658~FDA	p53-bla_via	Repressor	rfp	hill.inv
159989658	159989658~NTP	are-bla_ch1	Repressor	rfn	hill.inv
159989658	159989658~NTP	are-bla_ch2	Activator	rfn	gnls
159989658	159989658~NTP	are-bla_ratio	Inactive	rfn	hill.inv
159989658	159989658~NTP	are-bla_via	Repressor	rfn	hill.inv
159989658	159989658~NTP	esre-bla_ch1	Complex	cca	gnls
159989658	159989658~NTP	esre-bla_ch2	Activator	cca	hill
159989658	159989658~NTP	esre-bla_ratio	Activator	cca	hill
159989658	159989658~NTP	esre-bla_via	Inactive	cca	cnst
159989658	159989658~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
159989658	159989658~NTP	p53-bla_ch2	Inactive	rfp	cnst
159989658	159989658~NTP	p53-bla_ratio	Activator	rfp	hill
159989658	159989658~NTP	p53-bla_via	Repressor	rfp	hill.inv
1600277	1600277~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1600277	1600277~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
1600277	1600277~EPA	ap1-agonist_ratio	Activator	cca	gnls
1600277	1600277~EPA	ap1-agonist_via	Repressor	cca	hill.inv
1600277	1600277~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1600277	1600277~EPA	esre-bla_ch2	Inactive	rfp	cnst
1600277	1600277~EPA	esre-bla_ratio	Activator	rfp	hill
1600277	1600277~EPA	esre-bla_via	Repressor	rfp	hill.inv
1600277	1600277~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
1600277	1600277~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
1600277	1600277~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
1600277	1600277~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
1600277	1600277~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1600277	1600277~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
1600277	1600277~EPA	hse-bla_ratio	Activator	EOC/PUC	gnls
1600277	1600277~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
1600277	1600277~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1600277	1600277~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1600277	1600277~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1600277	1600277~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1600277	1600277~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1600277	1600277~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
1600277	1600277~EPA	p53-bla_ratio	Activator	EOC/PUC	gnls
1600277	1600277~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
16045924	16045924~NTP	are-bla_ch1	Repressor	POC	hill.inv
16045924	16045924~NTP	are-bla_ch2	Activator	POC	hill
16045924	16045924~NTP	are-bla_ratio	Activator	POC	hill
16045924	16045924~NTP	are-bla_via	Inactive	POC	cnst
16079882	16079882~EPA	are-bla_ch1	Inactive	cca	cnst
16079882	16079882~EPA	are-bla_ch2	Activator	cca	hill
16079882	16079882~EPA	are-bla_ratio	Activator	cca	hill
16079882	16079882~EPA	are-bla_via	Inactive	cca	cnst
161326347	161326347~EPA	are-bla_ch1	Repressor	EUC	hill.inv
161326347	161326347~EPA	are-bla_ch2	Activator	EUC	gnls
161326347	161326347~EPA	are-bla_ratio	Activator	EUC	hill
161326347	161326347~EPA	are-bla_via	Inactive	EUC	cnst
1617909	1617909~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1617909	1617909~EPA	ap1-agonist_ch2	Activator	cca	gnls
1617909	1617909~EPA	ap1-agonist_ratio	Activator	cca	gnls
1617909	1617909~EPA	ap1-agonist_via	Inactive	cca	cnst
1617909	1617909~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1617909	1617909~FDA	ap1-agonist_ch2	Activator	cca	hill
1617909	1617909~FDA	ap1-agonist_ratio	Activator	cca	hill
1617909	1617909~FDA	ap1-agonist_via	Inactive	cca	cnst
16219753	16219753~EPA	are-bla_ch1	Inactive	cca	cnst
16219753	16219753~EPA	are-bla_ch2	Activator	cca	hill
16219753	16219753~EPA	are-bla_ratio	Activator	cca	hill
16219753	16219753~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
162408664	162408664~FDA	are-bla_ch1	Inactive	cca	cnst
162408664	162408664~FDA	are-bla_ch2	Activator	cca	hill
162408664	162408664~FDA	are-bla_ratio	Activator	cca	hill
162408664	162408664~FDA	are-bla_via	Inactive	cca	cnst
16320040	16320040~FDA	are-bla_ch1	Inactive	cca	cnst
16320040	16320040~FDA	are-bla_ch2	Activator	cca	hill
16320040	16320040~FDA	are-bla_ratio	Activator	cca	hill
16320040	16320040~FDA	are-bla_via	Inactive	cca	cnst
163222331	163222331~FDA	are-bla_ch1	Inactive	cca	cnst
163222331	163222331~FDA	are-bla_ch2	Activator	cca	hill
163222331	163222331~FDA	are-bla_ratio	Activator	cca	hill
163222331	163222331~FDA	are-bla_via	Inactive	cca	cnst
1634022	1634022~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
1634022	1634022~NTP	ap1-agonist_ch2	Activator	EOC	hill
1634022	1634022~NTP	ap1-agonist_ratio	Activator	EOC	hill
1634022	1634022~NTP	ap1-agonist_via	Inactive	EOC	cnst
1634022	1634022~NTP	hse-bla_ch1	Inactive	cca	cnst
1634022	1634022~NTP	hse-bla_ch2	Activator	cca	gnls
1634022	1634022~NTP	hse-bla_ratio	Activator	cca	gnls
1634022	1634022~NTP	hse-bla_via	Inactive	cca	cnst
1634782	1634782~EPA	are-bla_ch1	Repressor	cca	hill.inv
1634782	1634782~EPA	are-bla_ch2	Activator	cca	hill
1634782	1634782~EPA	are-bla_ratio	Activator	cca	hill
1634782	1634782~EPA	are-bla_via	Inactive	cca	cnst
1634782	1634782~NTP	are-bla_ch1	Inactive	cca	cnst
1634782	1634782~NTP	are-bla_ch2	Activator	cca	hill
1634782	1634782~NTP	are-bla_ratio	Activator	cca	hill
1634782	1634782~NTP	are-bla_via	Inactive	cca	cnst
16423680	16423680~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
16423680	16423680~EPA	hse-bla_ch2	Inactive	rfp	cnst
16423680	16423680~EPA	hse-bla_ratio	Activator	rfp	hill
16423680	16423680~EPA	hse-bla_via	Inactive	rfp	cnst
16423680	16423680~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
16423680	16423680~NTP	p53-bla_ch2	Inactive	rfp	cnst
16423680	16423680~NTP	p53-bla_ratio	Activator	rfp	hill
16423680	16423680~NTP	p53-bla_via	Inactive	rfp	cnst
16452010	16452010~NTP	are-bla_ch1	Repressor	cca	hill.inv
16452010	16452010~NTP	are-bla_ch2	Activator	cca	hill
16452010	16452010~NTP	are-bla_ratio	Activator	cca	hill
16452010	16452010~NTP	are-bla_via	Inactive	cca	cnst
16470249	16470249~EPA	ap1-agonist_ch1	Inactive	cca	cnst
16470249	16470249~EPA	ap1-agonist_ch2	Activator	cca	hill
16470249	16470249~EPA	ap1-agonist_ratio	Activator	cca	hill
16470249	16470249~EPA	ap1-agonist_via	Inactive	cca	cnst
16470249	16470249~EPA	esre-bla_ch1	Inactive	cca	cnst
16470249	16470249~EPA	esre-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
16470249	16470249~EPA	esre-bla_ratio	Activator	cca	hill
16470249	16470249~EPA	esre-bla_via	Inactive	cca	cnst
16470249	16470249~EPA	hre-bla-agonist_ch1	Inactive	cca	cnst
16470249	16470249~EPA	hre-bla-agonist_ch2	Activator	cca	hill
16470249	16470249~EPA	hre-bla-agonist_ratio	Activator	cca	hill
16470249	16470249~EPA	hre-bla-agonist_via	Inactive	cca	cnst
16470249	16470249~EPA	hse-bla_ch1	Inactive	cca	cnst
16470249	16470249~EPA	hse-bla_ch2	Activator	cca	hill
16470249	16470249~EPA	hse-bla_ratio	Activator	cca	hill
16470249	16470249~EPA	hse-bla_via	Inactive	cca	cnst
16470249	16470249~EPA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
16470249	16470249~EPA	nfkb-bla-agonist_ch2	Activator	cca	hill
16470249	16470249~EPA	nfkb-bla-agonist_ratio	Activator	cca	hill
16470249	16470249~EPA	nfkb-bla-agonist_via	Inactive	cca	cnst
16470249	16470249~EPA	p53-bla_ch1	Inactive	cca	cnst
16470249	16470249~EPA	p53-bla_ch2	Activator	cca	hill
16470249	16470249~EPA	p53-bla_ratio	Activator	cca	hill
16470249	16470249~EPA	p53-bla_via	Inactive	cca	cnst
1647161	1647161~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
1647161	1647161~NTP	esre-bla_ch2	Inactive	rfp	cnst
1647161	1647161~NTP	esre-bla_ratio	Activator	rfp	hill
1647161	1647161~NTP	esre-bla_via	Repressor	rfp	hill.inv
1647161	1647161~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
1647161	1647161~NTP	hse-bla_ch2	Activator	EOC	gnls
1647161	1647161~NTP	hse-bla_ratio	Activator	EOC	hill
1647161	1647161~NTP	hse-bla_via	Repressor	EOC	hill.inv
16491240	16491240~EPA	are-bla_ch1	Repressor	cca	hill.inv
16491240	16491240~EPA	are-bla_ch2	Activator	cca	hill
16491240	16491240~EPA	are-bla_ratio	Activator	cca	hill
16491240	16491240~EPA	are-bla_via	Inactive	cca	cnst
1649189	1649189~FDA	are-bla_ch1	Inactive	EUC	cnst
1649189	1649189~FDA	are-bla_ch2	Activator	EUC	hill
1649189	1649189~FDA	are-bla_ratio	Activator	EUC	hill
1649189	1649189~FDA	are-bla_via	Inactive	EUC	cnst
16506277	16506277~FDA	p53-bla_ch1	Inactive	cca	cnst
16506277	16506277~FDA	p53-bla_ch2	Activator	cca	hill
16506277	16506277~FDA	p53-bla_ratio	Activator	cca	hill
16506277	16506277~FDA	p53-bla_via	Inactive	cca	cnst
1656480	1656480~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1656480	1656480~NTP	ap1-agonist_ch2	Activator	cca	hill
1656480	1656480~NTP	ap1-agonist_ratio	Activator	cca	hill
1656480	1656480~NTP	ap1-agonist_via	Inactive	cca	cnst
16588344	16588344~EPA	are-bla_ch1	Repressor	POC	hill.inv
16588344	16588344~EPA	are-bla_ch2	Activator	POC	hill
16588344	16588344~EPA	are-bla_ratio	Activator	POC	hill
16588344	16588344~EPA	are-bla_via	Inactive	POC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
16590413	16590413~FDA	are-bla_ch1	Inactive	cca	cnst
16590413	16590413~FDA	are-bla_ch2	Activator	cca	hill
16590413	16590413~FDA	are-bla_ratio	Activator	cca	hill
16590413	16590413~FDA	are-bla_via	Inactive	cca	cnst
16669593	16669593~EPA	are-bla_ch1	Inactive	cca	cnst
16669593	16669593~EPA	are-bla_ch2	Activator	cca	hill
16669593	16669593~EPA	are-bla_ratio	Activator	cca	hill
16669593	16669593~EPA	are-bla_via	Inactive	cca	cnst
167465363	167465363~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
167465363	167465363~FDA	hse-bla_ch2	Inactive	rfp	cnst
167465363	167465363~FDA	hse-bla_ratio	Activator	rfp	hill
167465363	167465363~FDA	hse-bla_via	Inactive	rfp	cnst
1675543	1675543~EPA	are-bla_ch1	Inactive	cca	cnst
1675543	1675543~EPA	are-bla_ch2	Activator	cca	hill
1675543	1675543~EPA	are-bla_ratio	Activator	cca	hill
1675543	1675543~EPA	are-bla_via	Inactive	cca	cnst
1675543	1675543~NTP	ap1-agonist_ch1	Repressor	rfn	hill.inv
1675543	1675543~NTP	ap1-agonist_ch2	Activator	rfn	gnls
1675543	1675543~NTP	ap1-agonist_ratio	Inactive	rfn	cnst
1675543	1675543~NTP	ap1-agonist_via	Inactive	rfn	cnst
1675543	1675543~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1675543	1675543~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1675543	1675543~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1675543	1675543~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
16777427	16777427~FDA	are-bla_ch1	Repressor	cca	hill.inv
16777427	16777427~FDA	are-bla_ch2	Activator	cca	gnls
16777427	16777427~FDA	are-bla_ratio	Activator	cca	gnls
16777427	16777427~FDA	are-bla_via	Repressor	cca	hill.inv
16777427	16777427~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
16777427	16777427~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
16777427	16777427~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
16777427	16777427~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
16777427	16777427~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
16777427	16777427~FDA	hse-bla_ch2	Inactive	rfp	cnst
16777427	16777427~FDA	hse-bla_ratio	Activator	rfp	hill
16777427	16777427~FDA	hse-bla_via	Repressor	rfp	hill.inv
167820102	167820102~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
167820102	167820102~FDA	ap1-agonist_ch2	Activator	cca	gnls
167820102	167820102~FDA	ap1-agonist_ratio	Activator	cca	hill
167820102	167820102~FDA	ap1-agonist_via	Inactive	cca	cnst
167820102	167820102~FDA	are-bla_ch1	Repressor	cca	hill.inv
167820102	167820102~FDA	are-bla_ch2	Activator	cca	gnls
167820102	167820102~FDA	are-bla_ratio	Activator	cca	hill
167820102	167820102~FDA	are-bla_via	Inactive	cca	cnst
168273061	168273061~FDA	are-bla_ch1	Inactive	rfn	cnst
168273061	168273061~FDA	are-bla_ch2	Activator	rfn	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
168273061	168273061~FDA	are-bla_ratio	Inactive	rfn	cnst
168273061	168273061~FDA	are-bla_via	Repressor	rfn	hill.inv
168273061	168273061~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
168273061	168273061~FDA	p53-bla_ch2	Inactive	rfp	cnst
168273061	168273061~FDA	p53-bla_ratio	Activator	rfp	hill
168273061	168273061~FDA	p53-bla_via	Repressor	rfp	hill.inv
1684408	1684408~NTP	are-bla_ch1	Inactive	rfp	cnst
1684408	1684408~NTP	are-bla_ch2	Inactive	rfp	cnst
1684408	1684408~NTP	are-bla_ratio	Activator	rfp	hill
1684408	1684408~NTP	are-bla_via	Inactive	rfp	cnst
16872110	16872110~NTP	are-bla_ch1	Repressor	EOC	hill.inv
16872110	16872110~NTP	are-bla_ch2	Activator	EOC	hill
16872110	16872110~NTP	are-bla_ratio	Activator	EOC	hill
16872110	16872110~NTP	are-bla_via	Inactive	EOC	cnst
1689823	1689823~NTP	are-bla_ch1	Repressor	cca	hill.inv
1689823	1689823~NTP	are-bla_ch2	Activator	cca	gnls
1689823	1689823~NTP	are-bla_ratio	Activator	cca	hill
1689823	1689823~NTP	are-bla_via	Inactive	cca	cnst
1689823	1689823~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
1689823	1689823~NTP	p53-bla_ch2	Inactive	rfp	cnst
1689823	1689823~NTP	p53-bla_ratio	Activator	rfp	hill
1689823	1689823~NTP	p53-bla_via	Inactive	rfp	cnst
1689834	1689834~EPA	p53-bla_ch1	Repressor	cca	hill.inv
1689834	1689834~EPA	p53-bla_ch2	Activator	cca	gnls
1689834	1689834~EPA	p53-bla_ratio	Activator	cca	hill
1689834	1689834~EPA	p53-bla_via	Inactive	cca	cnst
1689845	1689845~EPA	are-bla_ch1	Inactive	PUC	cnst
1689845	1689845~EPA	are-bla_ch2	Activator	PUC	hill
1689845	1689845~EPA	are-bla_ratio	Activator	PUC	hill
1689845	1689845~EPA	are-bla_via	Inactive	PUC	cnst
1689845	1689845~NTP	are-bla_ch1	Inactive	PUC	cnst
1689845	1689845~NTP	are-bla_ch2	Activator	PUC	hill
1689845	1689845~NTP	are-bla_ratio	Activator	PUC	hill
1689845	1689845~NTP	are-bla_via	Inactive	PUC	cnst
16915701	16915701~FDA	are-bla_ch1	Repressor	cca	hill.inv
16915701	16915701~FDA	are-bla_ch2	Activator	cca	hill
16915701	16915701~FDA	are-bla_ratio	Activator	cca	hill
16915701	16915701~FDA	are-bla_via	Inactive	cca	cnst
169590425	169590425~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
169590425	169590425~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
169590425	169590425~EPA	ap1-agonist_ratio	Activator	rfp	hill
169590425	169590425~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
169590425	169590425~EPA	are-bla_ch1	Repressor	cca	hill.inv
169590425	169590425~EPA	are-bla_ch2	Activator	cca	gnls
169590425	169590425~EPA	are-bla_ratio	Activator	cca	gnls
169590425	169590425~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
169590425	169590425~FDA	are-bla_ch1	Inactive	cca	cnst
169590425	169590425~FDA	are-bla_ch2	Activator	cca	hill
169590425	169590425~FDA	are-bla_ratio	Activator	cca	hill
169590425	169590425~FDA	are-bla_via	Inactive	cca	cnst
169590425	169590425~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
169590425	169590425~NTP	ap1-agonist_ch2	Activator	cca	gnls
169590425	169590425~NTP	ap1-agonist_ratio	Activator	cca	hill
169590425	169590425~NTP	ap1-agonist_via	Repressor	cca	hill.inv
169590425	169590425~NTP	are-bla_ch1	Repressor	cca	hill.inv
169590425	169590425~NTP	are-bla_ch2	Activator	cca	gnls
169590425	169590425~NTP	are-bla_ratio	Activator	cca	gnls
169590425	169590425~NTP	are-bla_via	Repressor	cca	hill.inv
169590425	169590425~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
169590425	169590425~NTP	esre-bla_ch2	Inactive	rfp	cnst
169590425	169590425~NTP	esre-bla_ratio	Activator	rfp	hill
169590425	169590425~NTP	esre-bla_via	Repressor	rfp	hill.inv
169590425	169590425~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
169590425	169590425~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
169590425	169590425~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
169590425	169590425~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
169590425	169590425~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
169590425	169590425~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
169590425	169590425~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
169590425	169590425~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
169590425	169590425~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
169590425	169590425~NTP	p53-bla_ch2	Inactive	rfp	cnst
169590425	169590425~NTP	p53-bla_ratio	Activator	rfp	hill
169590425	169590425~NTP	p53-bla_via	Repressor	rfp	hill.inv
16969101	16969101~EPA	are-bla_ch1	Inactive	cca	cnst
16969101	16969101~EPA	are-bla_ch2	Activator	cca	hill
16969101	16969101~EPA	are-bla_ratio	Activator	cca	hill
16969101	16969101~EPA	are-bla_via	Repressor	cca	hill.inv
16969101	16969101~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
16969101	16969101~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
16969101	16969101~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
16969101	16969101~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
16969101	16969101~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
16969101	16969101~EPA	hse-bla_ch2	Inactive	rfp	cnst
16969101	16969101~EPA	hse-bla_ratio	Activator	rfp	hill
16969101	16969101~EPA	hse-bla_via	Repressor	rfp	hill.inv
170364575	170364575~FDA	p53-bla_ch1	Repressor	cca	hill.inv
170364575	170364575~FDA	p53-bla_ch2	Activator	cca	gnls
170364575	170364575~FDA	p53-bla_ratio	Activator	cca	hill
170364575	170364575~FDA	p53-bla_via	Inactive	cca	cnst
17040196	17040196~EPA	are-bla_ch1	Repressor	cca	hill.inv
17040196	17040196~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
17040196	17040196~EPA	are-bla_ratio	Activator	cca	hill
17040196	17040196~EPA	are-bla_via	Inactive	cca	cnst
170729803	170729803~FDA	are-bla_ch1	Repressor	rfn	hill.inv
170729803	170729803~FDA	are-bla_ch2	Activator	rfn	gnls
170729803	170729803~FDA	are-bla_ratio	Inactive	rfn	cnst
170729803	170729803~FDA	are-bla_via	Repressor	rfn	hill.inv
170729803	170729803~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
170729803	170729803~FDA	hse-bla_ch2	Inactive	rfp	cnst
170729803	170729803~FDA	hse-bla_ratio	Activator	rfp	hill
170729803	170729803~FDA	hse-bla_via	Repressor	rfp	hill.inv
170729803	170729803~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
170729803	170729803~FDA	p53-bla_ch2	Inactive	rfp	cnst
170729803	170729803~FDA	p53-bla_ratio	Activator	rfp	hill
170729803	170729803~FDA	p53-bla_via	Repressor	rfp	hill.inv
17102646	17102646~EPA	are-bla_ch1	Inactive	cca	cnst
17102646	17102646~EPA	are-bla_ch2	Activator	cca	hill
17102646	17102646~EPA	are-bla_ratio	Activator	cca	hill
17102646	17102646~EPA	are-bla_via	Inactive	cca	cnst
171058176	171058176~NTP	are-bla_ch1	Inactive	cca	cnst
171058176	171058176~NTP	are-bla_ch2	Activator	cca	gnls
171058176	171058176~NTP	are-bla_ratio	Activator	cca	gnls
171058176	171058176~NTP	are-bla_via	Inactive	cca	cnst
171058176	171058176~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
171058176	171058176~NTP	p53-bla_ch2	Inactive	rfp	cnst
171058176	171058176~NTP	p53-bla_ratio	Activator	rfp	hill
171058176	171058176~NTP	p53-bla_via	Inactive	rfp	cnst
171058187	171058187~NTP	are-bla_ch1	Repressor	cca	gnls.inv
171058187	171058187~NTP	are-bla_ch2	Activator	cca	gnls
171058187	171058187~NTP	are-bla_ratio	Activator	cca	gnls
171058187	171058187~NTP	are-bla_via	Inactive	cca	cnst
171058212	171058212~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
171058212	171058212~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
171058212	171058212~NTP	ap1-agonist_ratio	Activator	rfp	hill
171058212	171058212~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
171058212	171058212~NTP	are-bla_ch1	Repressor	cca	hill.inv
171058212	171058212~NTP	are-bla_ch2	Activator	cca	gnls
171058212	171058212~NTP	are-bla_ratio	Activator	cca	gnls
171058212	171058212~NTP	are-bla_via	Repressor	cca	hill.inv
171058212	171058212~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
171058212	171058212~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
171058212	171058212~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
171058212	171058212~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
171058212	171058212~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
171058212	171058212~NTP	hse-bla_ch2	Inactive	rfp	cnst
171058212	171058212~NTP	hse-bla_ratio	Activator	rfp	hill
171058212	171058212~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
171058212	171058212~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
171058212	171058212~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
171058212	171058212~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
171058212	171058212~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
171058212	171058212~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
171058212	171058212~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
171058212	171058212~NTP	p53-bla_ratio	Activator	rfp	hill
171058212	171058212~NTP	p53-bla_via	Repressor	rfp	hill.inv
17109498	17109498~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
17109498	17109498~EPA	ap1-agonist_ch2	Activator	cca	hill
17109498	17109498~EPA	ap1-agonist_ratio	Activator	cca	hill
17109498	17109498~EPA	ap1-agonist_via	Inactive	cca	cnst
171228492	171228492~FDA	are-bla_ch1	Inactive	EUC	cnst
171228492	171228492~FDA	are-bla_ch2	Activator	EUC	hill
171228492	171228492~FDA	are-bla_ratio	Activator	EUC	hill
171228492	171228492~FDA	are-bla_via	Inactive	EUC	cnst
17135783	17135783~NTP	ap1-agonist_ch1	Inactive	EUC	cnst
17135783	17135783~NTP	ap1-agonist_ch2	Activator	EUC	hill
17135783	17135783~NTP	ap1-agonist_ratio	Activator	EUC	hill
17135783	17135783~NTP	ap1-agonist_via	Inactive	EUC	cnst
17135783	17135783~NTP	esre-bla_ch1	Activator	EUC	gnls
17135783	17135783~NTP	esre-bla_ch2	Activator	EUC	hill
17135783	17135783~NTP	esre-bla_ratio	Activator	EUC	hill
17135783	17135783~NTP	esre-bla_via	Inactive	EUC	cnst
17135783	17135783~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
17135783	17135783~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
17135783	17135783~NTP	hre-bla-agonist_ratio	Activator	cca	gnls
17135783	17135783~NTP	hre-bla-agonist_via	Inactive	cca	cnst
17135783	17135783~NTP	nfkb-bla-agonist_ch1	Inactive	cca	cnst
17135783	17135783~NTP	nfkb-bla-agonist_ch2	Activator	cca	hill
17135783	17135783~NTP	nfkb-bla-agonist_ratio	Activator	cca	hill
17135783	17135783~NTP	nfkb-bla-agonist_via	Inactive	cca	cnst
17135783	17135783~NTP	p53-bla_ch1	Activator	cca	hill
17135783	17135783~NTP	p53-bla_ch2	Activator	cca	hill
17135783	17135783~NTP	p53-bla_ratio	Activator	cca	hill
17135783	17135783~NTP	p53-bla_via	Inactive	cca	cnst
1715306	1715306~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1715306	1715306~FDA	ap1-agonist_ch2	Inactive	rfp	gnls.inv
1715306	1715306~FDA	ap1-agonist_ratio	Activator	rfp	hill
1715306	1715306~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
1715306	1715306~FDA	are-bla_ch1	Repressor	cca	hill.inv
1715306	1715306~FDA	are-bla_ch2	Activator	cca	gnls
1715306	1715306~FDA	are-bla_ratio	Activator	cca	gnls
1715306	1715306~FDA	are-bla_via	Repressor	cca	hill.inv
1715306	1715306~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
1715306	1715306~FDA	esre-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1715306	1715306~FDA	esre-bla_ratio	Activator	rfp	hill
1715306	1715306~FDA	esre-bla_via	Repressor	rfp	hill.inv
1715306	1715306~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1715306	1715306~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1715306	1715306~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
1715306	1715306~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1715306	1715306~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
1715306	1715306~FDA	hse-bla_ch2	Inactive	rfp	cnst
1715306	1715306~FDA	hse-bla_ratio	Activator	rfp	hill
1715306	1715306~FDA	hse-bla_via	Repressor	rfp	hill.inv
1715306	1715306~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1715306	1715306~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1715306	1715306~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1715306	1715306~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1715306	1715306~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1715306	1715306~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
1715306	1715306~FDA	p53-bla_ratio	Activator	rfp	hill
1715306	1715306~FDA	p53-bla_via	Repressor	rfp	hill.inv
1715408	1715408~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1715408	1715408~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
1715408	1715408~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
1715408	1715408~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
1715408	1715408~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1715408	1715408~EPA	esre-bla_ch2	Inactive	rfp	cnst
1715408	1715408~EPA	esre-bla_ratio	Activator	rfp	hill
1715408	1715408~EPA	esre-bla_via	Repressor	rfp	hill.inv
1715408	1715408~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1715408	1715408~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1715408	1715408~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1715408	1715408~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1715408	1715408~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1715408	1715408~EPA	hse-bla_ch2	Inactive	rfp	cnst
1715408	1715408~EPA	hse-bla_ratio	Activator	rfp	hill
1715408	1715408~EPA	hse-bla_via	Repressor	rfp	hill.inv
1715408	1715408~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1715408	1715408~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1715408	1715408~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1715408	1715408~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1715408	1715408~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1715408	1715408~EPA	p53-bla_ch2	Inactive	rfp	cnst
1715408	1715408~EPA	p53-bla_ratio	Activator	rfp	hill
1715408	1715408~EPA	p53-bla_via	Repressor	rfp	hill.inv
1719580	1719580~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1719580	1719580~NTP	ap1-agonist_ch2	Activator	cca	hill
1719580	1719580~NTP	ap1-agonist_ratio	Activator	cca	hill
1719580	1719580~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
17209722	17209722~EPA	are-bla_ch1	Inactive	EUC/POC	cnst
17209722	17209722~EPA	are-bla_ch2	Activator	EUC/POC	hill
17209722	17209722~EPA	are-bla_ratio	Activator	EUC/POC	hill
17209722	17209722~EPA	are-bla_via	Inactive	EUC/POC	cnst
17230885	17230885~EPA	are-bla_ch1	Inactive	EUC	cnst
17230885	17230885~EPA	are-bla_ch2	Activator	EUC	gnls
17230885	17230885~EPA	are-bla_ratio	Activator	EUC	gnls
17230885	17230885~EPA	are-bla_via	Repressor	EUC	hill.inv
17230885	17230885~FDA	are-bla_ch1	Activator	cca	hill
17230885	17230885~FDA	are-bla_ch2	Activator	cca	gnls
17230885	17230885~FDA	are-bla_ratio	Activator	cca	gnls
17230885	17230885~FDA	are-bla_via	Inactive	cca	cnst
1724396	1724396~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1724396	1724396~EPA	ap1-agonist_ch2	Activator	cca	hill
1724396	1724396~EPA	ap1-agonist_ratio	Activator	cca	hill
1724396	1724396~EPA	ap1-agonist_via	Inactive	cca	cnst
1724396	1724396~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1724396	1724396~NTP	ap1-agonist_ch2	Activator	cca	hill
1724396	1724396~NTP	ap1-agonist_ratio	Activator	cca	hill
1724396	1724396~NTP	ap1-agonist_via	Inactive	cca	cnst
17321776	17321776~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
17321776	17321776~EPA	ap1-agonist_ch2	Activator	cca	gnls
17321776	17321776~EPA	ap1-agonist_ratio	Activator	cca	gnls
17321776	17321776~EPA	ap1-agonist_via	Inactive	cca	cnst
17321776	17321776~EPA	p53-bla_ch1	Activator	EOC/PUC	hill
17321776	17321776~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
17321776	17321776~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
17321776	17321776~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
173584446	173584446~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
173584446	173584446~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
173584446	173584446~EPA	ap1-agonist_ratio	Activator	rfp	hill
173584446	173584446~EPA	ap1-agonist_via	Inactive	rfp	cnst
173584446	173584446~EPA	are-bla_ch1	Repressor	rfp	hill.inv
173584446	173584446~EPA	are-bla_ch2	Inactive	rfp	hill.inv
173584446	173584446~EPA	are-bla_ratio	Activator	rfp	hill
173584446	173584446~EPA	are-bla_via	Inactive	rfp	cnst
173584446	173584446~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
173584446	173584446~EPA	hse-bla_ch2	Inactive	rfp	cnst
173584446	173584446~EPA	hse-bla_ratio	Activator	rfp	hill
173584446	173584446~EPA	hse-bla_via	Inactive	rfp	cnst
173584446	173584446~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
173584446	173584446~EPA	p53-bla_ch2	Inactive	rfp	cnst
173584446	173584446~EPA	p53-bla_ratio	Activator	rfp	hill
173584446	173584446~EPA	p53-bla_via	Inactive	rfp	cnst
17372871	17372871~EPA	ap1-agonist_ch1	Activator	rfn	hill
17372871	17372871~EPA	ap1-agonist_ch2	Activator	rfn	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
17372871	17372871~EPA	ap1-agonist_ratio	Inactive	rfn	cnst
17372871	17372871~EPA	ap1-agonist_via	Inactive	rfn	cnst
17406450	17406450~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
17406450	17406450~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
17406450	17406450~FDA	p53-bla_ratio	Activator	rfp	hill
17406450	17406450~FDA	p53-bla_via	Repressor	rfp	hill.inv
17418585	17418585~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
17418585	17418585~NTP	ap1-agonist_ch2	Activator	cca	hill
17418585	17418585~NTP	ap1-agonist_ratio	Activator	cca	hill
17418585	17418585~NTP	ap1-agonist_via	Inactive	cca	cnst
17420303	17420303~NTP	ap1-agonist_ch1	Inactive	cca	cnst
17420303	17420303~NTP	ap1-agonist_ch2	Activator	cca	hill
17420303	17420303~NTP	ap1-agonist_ratio	Activator	cca	hill
17420303	17420303~NTP	ap1-agonist_via	Inactive	cca	cnst
1744225	1744225~FDA	p53-bla_ch1	Repressor	cca	hill.inv
1744225	1744225~FDA	p53-bla_ch2	Activator	cca	gnls
1744225	1744225~FDA	p53-bla_ratio	Activator	cca	gnls
1744225	1744225~FDA	p53-bla_via	Inactive	cca	cnst
1746016	1746016~NTP	are-bla_ch1	Inactive	cca	cnst
1746016	1746016~NTP	are-bla_ch2	Activator	cca	hill
1746016	1746016~NTP	are-bla_ratio	Activator	cca	hill
1746016	1746016~NTP	are-bla_via	Inactive	cca	cnst
175013180	175013180~EPA	are-bla_ch1	Complex	cca	gnls.inv
175013180	175013180~EPA	are-bla_ch2	Activator	cca	gnls
175013180	175013180~EPA	are-bla_ratio	Activator	cca	gnls
175013180	175013180~EPA	are-bla_via	Inactive	cca	cnst
175013180	175013180~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
175013180	175013180~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
175013180	175013180~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
175013180	175013180~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
175013180	175013180~EPA	p53-bla_ch1	Repressor	cca	hill.inv
175013180	175013180~EPA	p53-bla_ch2	Activator	cca	gnls
175013180	175013180~EPA	p53-bla_ratio	Activator	cca	gnls
175013180	175013180~EPA	p53-bla_via	Inactive	cca	cnst
1752303	1752303~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1752303	1752303~NTP	ap1-agonist_ch2	Activator	cca	gnls
1752303	1752303~NTP	ap1-agonist_ratio	Activator	cca	gnls
1752303	1752303~NTP	ap1-agonist_via	Inactive	cca	cnst
17540759	17540759~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
17540759	17540759~NTP	ap1-agonist_ch2	Activator	cca	hill
17540759	17540759~NTP	ap1-agonist_ratio	Activator	cca	hill
17540759	17540759~NTP	ap1-agonist_via	Inactive	cca	cnst
17575201	17575201~FDA	p53-bla_ch1	Inactive	EUC	cnst
17575201	17575201~FDA	p53-bla_ch2	Activator	EUC	gnls
17575201	17575201~FDA	p53-bla_ratio	Activator	EUC	gnls
17575201	17575201~FDA	p53-bla_via	Repressor	EUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
17575212	17575212~FDA	p53-bla_ch1	Inactive	cca	cnst
17575212	17575212~FDA	p53-bla_ch2	Activator	cca	gnls
17575212	17575212~FDA	p53-bla_ratio	Activator	cca	gnls
17575212	17575212~FDA	p53-bla_via	Repressor	cca	hill.inv
17575223	17575223~FDA	p53-bla_ch1	Activator	cca	hill
17575223	17575223~FDA	p53-bla_ch2	Activator	cca	gnls
17575223	17575223~FDA	p53-bla_ratio	Activator	cca	gnls
17575223	17575223~FDA	p53-bla_via	Repressor	cca	hill.inv
17598651	17598651~FDA	are-bla_ch1	Activator	rfn	hill
17598651	17598651~FDA	are-bla_ch2	Activator	rfn	gnls
17598651	17598651~FDA	are-bla_ratio	Inactive	rfn	hill.inv
17598651	17598651~FDA	are-bla_via	Repressor	rfn	hill.inv
17598651	17598651~FDA	p53-bla_ch1	Inactive	rfn	cnst
17598651	17598651~FDA	p53-bla_ch2	Activator	rfn	gnls
17598651	17598651~FDA	p53-bla_ratio	Inactive	rfn	cnst
17598651	17598651~FDA	p53-bla_via	Repressor	rfn	hill.inv
17630750	17630750~FDA	are-bla_ch1	Repressor	cca	hill.inv
17630750	17630750~FDA	are-bla_ch2	Activator	cca	hill
17630750	17630750~FDA	are-bla_ratio	Activator	cca	hill
17630750	17630750~FDA	are-bla_via	Inactive	cca	cnst
1763231	1763231~EPA	are-bla_ch1	Repressor	cca	hill.inv
1763231	1763231~EPA	are-bla_ch2	Activator	cca	gnls
1763231	1763231~EPA	are-bla_ratio	Activator	cca	gnls
1763231	1763231~EPA	are-bla_via	Repressor	cca	hill.inv
1763231	1763231~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
1763231	1763231~EPA	p53-bla_ch2	Inactive	rfp	cnst
1763231	1763231~EPA	p53-bla_ratio	Activator	rfp	hill
1763231	1763231~EPA	p53-bla_via	Repressor	rfp	hill.inv
1763231	1763231~FDA	are-bla_ch1	Repressor	cca	hill.inv
1763231	1763231~FDA	are-bla_ch2	Activator	cca	gnls
1763231	1763231~FDA	are-bla_ratio	Activator	cca	gnls
1763231	1763231~FDA	are-bla_via	Repressor	cca	hill.inv
1763231	1763231~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1763231	1763231~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
1763231	1763231~FDA	p53-bla_ratio	Activator	rfp	hill
1763231	1763231~FDA	p53-bla_via	Repressor	rfp	hill.inv
1763231	1763231~NTP	are-bla_ch1	Repressor	cca	hill.inv
1763231	1763231~NTP	are-bla_ch2	Activator	cca	gnls
1763231	1763231~NTP	are-bla_ratio	Activator	cca	gnls
1763231	1763231~NTP	are-bla_via	Repressor	cca	hill.inv
1763231	1763231~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
1763231	1763231~NTP	p53-bla_ch2	Inactive	rfp	cnst
1763231	1763231~NTP	p53-bla_ratio	Activator	rfp	hill
1763231	1763231~NTP	p53-bla_via	Repressor	rfp	hill.inv
17692396	17692396~FDA	are-bla_ch1	Inactive	cca	cnst
17692396	17692396~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
17692396	17692396~FDA	are-bla_ratio	Activator	cca	hill
17692396	17692396~FDA	are-bla_via	Inactive	cca	cnst
17692512	17692512~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
17692512	17692512~FDA	ap1-agonist_ch2	Activator	cca	hill
17692512	17692512~FDA	ap1-agonist_ratio	Activator	cca	hill
17692512	17692512~FDA	ap1-agonist_via	Inactive	cca	cnst
17700093	17700093~NTP	are-bla_ch1	Repressor	cca	hill.inv
17700093	17700093~NTP	are-bla_ch2	Activator	cca	hill
17700093	17700093~NTP	are-bla_ratio	Activator	cca	hill
17700093	17700093~NTP	are-bla_via	Inactive	cca	cnst
177785476	177785476~EPA	are-bla_ch1	Inactive	cca	cnst
177785476	177785476~EPA	are-bla_ch2	Activator	cca	hill
177785476	177785476~EPA	are-bla_ratio	Activator	cca	hill
177785476	177785476~EPA	are-bla_via	Inactive	cca	cnst
17780755	17780755~FDA	are-bla_ch1	Repressor	EOC	hill.inv
17780755	17780755~FDA	are-bla_ch2	Activator	EOC	hill
17780755	17780755~FDA	are-bla_ratio	Activator	EOC	hill
17780755	17780755~FDA	are-bla_via	Inactive	EOC	cnst
17781316	17781316~EPA	are-bla_ch1	Repressor	cca	hill.inv
17781316	17781316~EPA	are-bla_ch2	Activator	cca	gnls
17781316	17781316~EPA	are-bla_ratio	Activator	cca	gnls
17781316	17781316~EPA	are-bla_via	Repressor	cca	hill.inv
17796826	17796826~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
17796826	17796826~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
17796826	17796826~EPA	ap1-agonist_ratio	Activator	rfp	hill
17796826	17796826~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
17796826	17796826~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
17796826	17796826~EPA	hse-bla_ch2	Inactive	rfp	cnst
17796826	17796826~EPA	hse-bla_ratio	Activator	rfp	hill
17796826	17796826~EPA	hse-bla_via	Repressor	rfp	hill.inv
17796826	17796826~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
17796826	17796826~NTP	ap1-agonist_ch2	Activator	EOC	gnls
17796826	17796826~NTP	ap1-agonist_ratio	Activator	EOC	hill
17796826	17796826~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
17796826	17796826~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
17796826	17796826~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
17796826	17796826~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
17796826	17796826~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
17796826	17796826~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
17796826	17796826~NTP	hse-bla_ch2	Inactive	rfp	cnst
17796826	17796826~NTP	hse-bla_ratio	Activator	rfp	hill
17796826	17796826~NTP	hse-bla_via	Repressor	rfp	hill.inv
17796826	17796826~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
17796826	17796826~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
17796826	17796826~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
17796826	17796826~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
17804352	17804352~EPA	p53-bla_ch1	Repressor	cca	hill.inv
17804352	17804352~EPA	p53-bla_ch2	Activator	cca	hill
17804352	17804352~EPA	p53-bla_ratio	Activator	cca	hill
17804352	17804352~EPA	p53-bla_via	Inactive	cca	cnst
17804352	17804352~NTP	p53-bla_ch1	Repressor	cca	hill.inv
17804352	17804352~NTP	p53-bla_ch2	Activator	cca	hill
17804352	17804352~NTP	p53-bla_ratio	Activator	cca	hill
17804352	17804352~NTP	p53-bla_via	Inactive	cca	cnst
17824838	17824838~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
17824838	17824838~EPA	ap1-agonist_ch2	Activator	cca	gnls
17824838	17824838~EPA	ap1-agonist_ratio	Activator	cca	gnls
17824838	17824838~EPA	ap1-agonist_via	Inactive	cca	cnst
17824838	17824838~EPA	are-bla_ch1	Repressor	PUC	hill.inv
17824838	17824838~EPA	are-bla_ch2	Activator	PUC	gnls
17824838	17824838~EPA	are-bla_ratio	Activator	PUC	gnls
17824838	17824838~EPA	are-bla_via	Repressor	PUC	hill.inv
17824838	17824838~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
17824838	17824838~EPA	esre-bla_ch2	Inactive	rfp	cnst
17824838	17824838~EPA	esre-bla_ratio	Activator	rfp	hill
17824838	17824838~EPA	esre-bla_via	Repressor	rfp	hill.inv
17824838	17824838~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
17824838	17824838~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
17824838	17824838~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
17824838	17824838~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
17824838	17824838~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
17824838	17824838~EPA	hse-bla_ch2	Inactive	rfp	cnst
17824838	17824838~EPA	hse-bla_ratio	Activator	rfp	gnls
17824838	17824838~EPA	hse-bla_via	Repressor	rfp	hill.inv
17824838	17824838~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
17824838	17824838~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
17824838	17824838~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
17824838	17824838~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
17831719	17831719~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
17831719	17831719~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
17831719	17831719~NTP	ap1-agonist_ratio	Activator	rfp	gnls
17831719	17831719~NTP	ap1-agonist_via	Inactive	rfp	cnst
17831719	17831719~NTP	are-bla_ch1	Repressor	cca	hill.inv
17831719	17831719~NTP	are-bla_ch2	Activator	cca	hill
17831719	17831719~NTP	are-bla_ratio	Activator	cca	hill
17831719	17831719~NTP	are-bla_via	Inactive	cca	cnst
17831719	17831719~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
17831719	17831719~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
17831719	17831719~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
17831719	17831719~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
17831719	17831719~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
17831719	17831719~NTP	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
17831719	17831719~NTP	hse-bla_ratio	Activator	rfp	hill
17831719	17831719~NTP	hse-bla_via	Repressor	rfp	hill.inv
17831719	17831719~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
17831719	17831719~NTP	p53-bla_ch2	Inactive	rfp	cnst
17831719	17831719~NTP	p53-bla_ratio	Activator	rfp	gnls
17831719	17831719~NTP	p53-bla_via	Inactive	rfp	cnst
178600174	178600174~FDA	ap1-agonist_ch1	Inactive	cca	cnst
178600174	178600174~FDA	ap1-agonist_ch2	Activator	cca	hill
178600174	178600174~FDA	ap1-agonist_ratio	Activator	cca	hill
178600174	178600174~FDA	ap1-agonist_via	Inactive	cca	cnst
178631044	178631044~NTP	are-bla_ch1	Inactive	cca	cnst
178631044	178631044~NTP	are-bla_ch2	Activator	cca	gnls
178631044	178631044~NTP	are-bla_ratio	Activator	cca	gnls
178631044	178631044~NTP	are-bla_via	Inactive	cca	cnst
178631055	178631055~NTP	are-bla_ch1	Inactive	cca	cnst
178631055	178631055~NTP	are-bla_ch2	Activator	cca	hill
178631055	178631055~NTP	are-bla_ratio	Activator	cca	gnls
178631055	178631055~NTP	are-bla_via	Inactive	cca	cnst
178631055	178631055~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
178631055	178631055~NTP	p53-bla_ch2	Inactive	rfp	cnst
178631055	178631055~NTP	p53-bla_ratio	Activator	rfp	hill
178631055	178631055~NTP	p53-bla_via	Inactive	rfp	cnst
178928706	178928706~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
178928706	178928706~NTP	ap1-agonist_ch2	Activator	cca	gnls
178928706	178928706~NTP	ap1-agonist_ratio	Activator	cca	hill
178928706	178928706~NTP	ap1-agonist_via	Inactive	cca	cnst
178928706	178928706~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
178928706	178928706~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
178928706	178928706~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
178928706	178928706~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
179113918	179113918~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
179113918	179113918~FDA	ap1-agonist_ch2	Activator	cca	gnls
179113918	179113918~FDA	ap1-agonist_ratio	Activator	cca	gnls
179113918	179113918~FDA	ap1-agonist_via	Inactive	cca	cnst
179113918	179113918~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
179113918	179113918~FDA	hse-bla_ch2	Inactive	rfp	cnst
179113918	179113918~FDA	hse-bla_ratio	Activator	rfp	hill
179113918	179113918~FDA	hse-bla_via	Repressor	rfp	hill.inv
17924924	17924924~EPA	are-bla_ch1	Inactive	EUC	cnst
17924924	17924924~EPA	are-bla_ch2	Activator	EUC	gnls
17924924	17924924~EPA	are-bla_ratio	Activator	EUC	hill
17924924	17924924~EPA	are-bla_via	Inactive	EUC	cnst
17924924	17924924~EPA	hse-bla_ch1	Repressor	cca	hill.inv
17924924	17924924~EPA	hse-bla_ch2	Activator	cca	hill
17924924	17924924~EPA	hse-bla_ratio	Activator	cca	hill
17924924	17924924~EPA	hse-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
17924924	17924924~EPA	p53-bla_ch1	Repressor	cca	hill.inv
17924924	17924924~EPA	p53-bla_ch2	Activator	cca	hill
17924924	17924924~EPA	p53-bla_ratio	Activator	cca	hill
17924924	17924924~EPA	p53-bla_via	Inactive	cca	cnst
17924924	17924924~NTP	are-bla_ch1	Activator	EUC	hill
17924924	17924924~NTP	are-bla_ch2	Activator	EUC	gnls
17924924	17924924~NTP	are-bla_ratio	Activator	EUC	gnls
17924924	17924924~NTP	are-bla_via	Inactive	EUC	cnst
17924924	17924924~NTP	hse-bla_ch1	Repressor	cca	hill.inv
17924924	17924924~NTP	hse-bla_ch2	Activator	cca	hill
17924924	17924924~NTP	hse-bla_ratio	Activator	cca	hill
17924924	17924924~NTP	hse-bla_via	Inactive	cca	cnst
179324697	179324697~FDA	ap1-agonist_ch1	Inactive	rfn	cnst
179324697	179324697~FDA	ap1-agonist_ch2	Activator	rfn	gnls
179324697	179324697~FDA	ap1-agonist_ratio	Inactive	rfn	cnst
179324697	179324697~FDA	ap1-agonist_via	Inactive	rfn	cnst
179324697	179324697~FDA	are-bla_ch1	Repressor	cca	gnls.inv
179324697	179324697~FDA	are-bla_ch2	Activator	cca	gnls
179324697	179324697~FDA	are-bla_ratio	Activator	cca	gnls
179324697	179324697~FDA	are-bla_via	Repressor	cca	hill.inv
179324697	179324697~FDA	hse-bla_ch1	Repressor	cca	hill.inv
179324697	179324697~FDA	hse-bla_ch2	Activator	cca	hill
179324697	179324697~FDA	hse-bla_ratio	Activator	cca	hill
179324697	179324697~FDA	hse-bla_via	Inactive	cca	cnst
179324697	179324697~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
179324697	179324697~FDA	p53-bla_ch2	Activator	EUC	gnls
179324697	179324697~FDA	p53-bla_ratio	Activator	EUC	gnls
179324697	179324697~FDA	p53-bla_via	Repressor	EUC	hill.inv
179465715	179465715~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
179465715	179465715~EPA	ap1-agonist_ch2	Activator	EOC	hill
179465715	179465715~EPA	ap1-agonist_ratio	Activator	EOC	hill
179465715	179465715~EPA	ap1-agonist_via	Inactive	EOC	cnst
179465715	179465715~EPA	are-bla_ch1	Repressor	cca	hill.inv
179465715	179465715~EPA	are-bla_ch2	Activator	cca	hill
179465715	179465715~EPA	are-bla_ratio	Activator	cca	hill
179465715	179465715~EPA	are-bla_via	Inactive	cca	cnst
180084019	180084019~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
180084019	180084019~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
180084019	180084019~EPA	ap1-agonist_ratio	Activator	rfp	hill
180084019	180084019~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
180084019	180084019~EPA	are-bla_ch1	Repressor	rfn	hill.inv
180084019	180084019~EPA	are-bla_ch2	Activator	rfn	gnls
180084019	180084019~EPA	are-bla_ratio	Inactive	rfn	gnls.inv
180084019	180084019~EPA	are-bla_via	Repressor	rfn	hill.inv
180084019	180084019~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
180084019	180084019~EPA	hre-bla-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
180084019	180084019~EPA	hre-bla-agonist_ratio	Activator	cca	hill
180084019	180084019~EPA	hre-bla-agonist_via	Repressor	cca	hill.inv
180084019	180084019~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
180084019	180084019~EPA	p53-bla_ch2	Inactive	rfp	cnst
180084019	180084019~EPA	p53-bla_ratio	Activator	rfp	hill
180084019	180084019~EPA	p53-bla_via	Repressor	rfp	hill.inv
18015764	18015764~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
18015764	18015764~NTP	ap1-agonist_ch2	Activator	EOC	gnls
18015764	18015764~NTP	ap1-agonist_ratio	Activator	EOC	gnls
18015764	18015764~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
18015764	18015764~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
18015764	18015764~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
18015764	18015764~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
18015764	18015764~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
180200684	180200684~FDA	are-bla_ch1	Inactive	cca	cnst
180200684	180200684~FDA	are-bla_ch2	Activator	cca	hill
180200684	180200684~FDA	are-bla_ratio	Activator	cca	hill
180200684	180200684~FDA	are-bla_via	Inactive	cca	cnst
1806264	1806264~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1806264	1806264~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1806264	1806264~EPA	ap1-agonist_ratio	Activator	rfp	hill
1806264	1806264~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1806264	1806264~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1806264	1806264~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1806264	1806264~FDA	ap1-agonist_ratio	Activator	rfp	hill
1806264	1806264~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
1806264	1806264~FDA	are-bla_ch1	Repressor	EOC	hill.inv
1806264	1806264~FDA	are-bla_ch2	Activator	EOC	hill
1806264	1806264~FDA	are-bla_ratio	Activator	EOC	hill
1806264	1806264~FDA	are-bla_via	Inactive	EOC	cnst
1806264	1806264~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
1806264	1806264~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
1806264	1806264~NTP	ap1-agonist_ratio	Activator	rfp	gnls
1806264	1806264~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
1811285	1811285~FDA	are-bla_ch1	Activator	cca	hill
1811285	1811285~FDA	are-bla_ch2	Activator	cca	gnls
1811285	1811285~FDA	are-bla_ratio	Activator	cca	gnls
1811285	1811285~FDA	are-bla_via	Repressor	cca	hill.inv
1811285	1811285~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
1811285	1811285~FDA	hre-bla-agonist_ch2	Activator	cca	gnls
1811285	1811285~FDA	hre-bla-agonist_ratio	Activator	cca	hill
1811285	1811285~FDA	hre-bla-agonist_via	Repressor	cca	hill.inv
1811285	1811285~FDA	p53-bla_ch1	Complex	EOC	gnls.inv
1811285	1811285~FDA	p53-bla_ch2	Activator	EOC	gnls
1811285	1811285~FDA	p53-bla_ratio	Activator	EOC	gnls
1811285	1811285~FDA	p53-bla_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
18174588	18174588~FDA	are-bla_ch1	Repressor	cca	hill.inv
18174588	18174588~FDA	are-bla_ch2	Activator	cca	hill
18174588	18174588~FDA	are-bla_ratio	Activator	cca	hill
18174588	18174588~FDA	are-bla_via	Inactive	cca	cnst
1817738	1817738~NTP	are-bla_ch1	Repressor	cca	hill.inv
1817738	1817738~NTP	are-bla_ch2	Activator	cca	gnls
1817738	1817738~NTP	are-bla_ratio	Activator	cca	gnls
1817738	1817738~NTP	are-bla_via	Inactive	cca	cnst
18181709	18181709~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
18181709	18181709~EPA	ap1-agonist_ch2	Activator	cca	hill
18181709	18181709~EPA	ap1-agonist_ratio	Activator	cca	gnls
18181709	18181709~EPA	ap1-agonist_via	Inactive	cca	cnst
1825190	1825190~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1825190	1825190~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
1825190	1825190~EPA	ap1-agonist_ratio	Activator	rfp	hill
1825190	1825190~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
1825190	1825190~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1825190	1825190~EPA	esre-bla_ch2	Inactive	rfp	cnst
1825190	1825190~EPA	esre-bla_ratio	Activator	rfp	hill
1825190	1825190~EPA	esre-bla_via	Repressor	rfp	hill.inv
18263257	18263257~EPA	are-bla_ch1	Repressor	cca	hill.inv
18263257	18263257~EPA	are-bla_ch2	Activator	cca	gnls
18263257	18263257~EPA	are-bla_ratio	Activator	cca	gnls
18263257	18263257~EPA	are-bla_via	Repressor	cca	hill.inv
18263257	18263257~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
18263257	18263257~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
18263257	18263257~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
18263257	18263257~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
18263257	18263257~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
18263257	18263257~EPA	hse-bla_ch2	Inactive	rfp	cnst
18263257	18263257~EPA	hse-bla_ratio	Activator	rfp	hill
18263257	18263257~EPA	hse-bla_via	Repressor	rfp	hill.inv
18263257	18263257~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
18263257	18263257~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
18263257	18263257~EPA	p53-bla_ratio	Activator	rfp	hill
18263257	18263257~EPA	p53-bla_via	Repressor	rfp	hill.inv
183321746	183321746~FDA	are-bla_ch1	Repressor	cca	hill.inv
183321746	183321746~FDA	are-bla_ch2	Activator	cca	gnls
183321746	183321746~FDA	are-bla_ratio	Activator	cca	hill
183321746	183321746~FDA	are-bla_via	Inactive	cca	cnst
18378897	18378897~FDA	p53-bla_ch1	Inactive	cca	cnst
18378897	18378897~FDA	p53-bla_ch2	Activator	cca	gnls
18378897	18378897~FDA	p53-bla_ratio	Activator	cca	gnls
18378897	18378897~FDA	p53-bla_via	Inactive	cca	cnst
1841196	1841196~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
1841196	1841196~FDA	ap1-agonist_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
1841196	1841196~FDA	ap1-agonist_ratio	Activator	cca	hill
1841196	1841196~FDA	ap1-agonist_via	Repressor	cca	hill.inv
1841196	1841196~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
1841196	1841196~FDA	esre-bla_ch2	Inactive	rfp	cnst
1841196	1841196~FDA	esre-bla_ratio	Activator	rfp	hill
1841196	1841196~FDA	esre-bla_via	Repressor	rfp	hill.inv
1841196	1841196~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1841196	1841196~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1841196	1841196~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
1841196	1841196~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1841196	1841196~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
1841196	1841196~FDA	hse-bla_ch2	Inactive	rfp	cnst
1841196	1841196~FDA	hse-bla_ratio	Activator	rfp	hill
1841196	1841196~FDA	hse-bla_via	Repressor	rfp	hill.inv
1841196	1841196~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1841196	1841196~FDA	p53-bla_ch2	Inactive	rfp	cnst
1841196	1841196~FDA	p53-bla_ratio	Activator	rfp	hill
1841196	1841196~FDA	p53-bla_via	Repressor	rfp	hill.inv
1843056	1843056~EPA	are-bla_ch1	Inactive	cca	cnst
1843056	1843056~EPA	are-bla_ch2	Activator	cca	hill
1843056	1843056~EPA	are-bla_ratio	Activator	cca	hill
1843056	1843056~EPA	are-bla_via	Inactive	cca	cnst
184475352	184475352~FDA	are-bla_ch1	Inactive	rfp	cnst
184475352	184475352~FDA	are-bla_ch2	Inactive	rfp	cnst
184475352	184475352~FDA	are-bla_ratio	Activator	rfp	gnls
184475352	184475352~FDA	are-bla_via	Inactive	rfp	cnst
18493306	18493306~FDA	are-bla_ch1	Repressor	cca	hill.inv
18493306	18493306~FDA	are-bla_ch2	Activator	cca	hill
18493306	18493306~FDA	are-bla_ratio	Activator	cca	hill
18493306	18493306~FDA	are-bla_via	Inactive	cca	cnst
18493306	18493306~FDA	hse-bla_ch1	Repressor	cca	hill.inv
18493306	18493306~FDA	hse-bla_ch2	Activator	cca	hill
18493306	18493306~FDA	hse-bla_ratio	Activator	cca	hill
18493306	18493306~FDA	hse-bla_via	Inactive	cca	cnst
18493306	18493306~FDA	p53-bla_ch1	Repressor	cca	hill.inv
18493306	18493306~FDA	p53-bla_ch2	Activator	cca	hill
18493306	18493306~FDA	p53-bla_ratio	Activator	cca	hill
18493306	18493306~FDA	p53-bla_via	Inactive	cca	cnst
1852160	1852160~EPA	are-bla_ch1	Inactive	cca	cnst
1852160	1852160~EPA	are-bla_ch2	Activator	cca	hill
1852160	1852160~EPA	are-bla_ratio	Activator	cca	hill
1852160	1852160~EPA	are-bla_via	Inactive	cca	cnst
1852160	1852160~NTP	are-bla_ch1	Repressor	cca	hill.inv
1852160	1852160~NTP	are-bla_ch2	Activator	cca	hill
1852160	1852160~NTP	are-bla_ratio	Activator	cca	hill
1852160	1852160~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
18556440	18556440~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
18556440	18556440~FDA	ap1-agonist_ch2	Activator	cca	hill
18556440	18556440~FDA	ap1-agonist_ratio	Activator	cca	hill
18556440	18556440~FDA	ap1-agonist_via	Inactive	cca	cnst
18556440	18556440~FDA	are-bla_ch1	Repressor	cca	hill.inv
18556440	18556440~FDA	are-bla_ch2	Activator	cca	hill
18556440	18556440~FDA	are-bla_ratio	Activator	cca	hill
18556440	18556440~FDA	are-bla_via	Inactive	cca	cnst
18556440	18556440~FDA	p53-bla_ch1	Inactive	cca	cnst
18556440	18556440~FDA	p53-bla_ch2	Activator	cca	gnls
18556440	18556440~FDA	p53-bla_ratio	Activator	cca	gnls
18556440	18556440~FDA	p53-bla_via	Inactive	cca	cnst
1861321	1861321~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1861321	1861321~NTP	ap1-agonist_ch2	Activator	cca	hill
1861321	1861321~NTP	ap1-agonist_ratio	Activator	cca	hill
1861321	1861321~NTP	ap1-agonist_via	Inactive	cca	cnst
18691979	18691979~EPA	are-bla_ch1	Inactive	PUC	cnst
18691979	18691979~EPA	are-bla_ch2	Activator	PUC	hill
18691979	18691979~EPA	are-bla_ratio	Activator	PUC	hill
18691979	18691979~EPA	are-bla_via	Inactive	PUC	cnst
18694401	18694401~FDA	hse-bla_ch1	Inactive	cca	cnst
18694401	18694401~FDA	hse-bla_ch2	Activator	cca	hill
18694401	18694401~FDA	hse-bla_ratio	Activator	cca	hill
18694401	18694401~FDA	hse-bla_via	Inactive	cca	cnst
187164198	187164198~FDA	are-bla_ch1	Activator	cca	hill
187164198	187164198~FDA	are-bla_ch2	Activator	cca	gnls
187164198	187164198~FDA	are-bla_ratio	Activator	cca	gnls
187164198	187164198~FDA	are-bla_via	Repressor	cca	hill.inv
1879090	1879090~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
1879090	1879090~NTP	ap1-agonist_ch2	Activator	EOC	hill
1879090	1879090~NTP	ap1-agonist_ratio	Activator	EOC	hill
1879090	1879090~NTP	ap1-agonist_via	Inactive	EOC	cnst
18851337	18851337~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
18851337	18851337~EPA	ap1-agonist_ch2	Activator	cca	gnls
18851337	18851337~EPA	ap1-agonist_ratio	Activator	cca	gnls
18851337	18851337~EPA	ap1-agonist_via	Inactive	cca	cnst
18851337	18851337~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
18851337	18851337~EPA	hre-bla-agonist_ch2	Activator	cca	gnls
18851337	18851337~EPA	hre-bla-agonist_ratio	Activator	cca	gnls
18851337	18851337~EPA	hre-bla-agonist_via	Inactive	cca	cnst
18851337	18851337~EPA	hse-bla_ch1	Inactive	cca	cnst
18851337	18851337~EPA	hse-bla_ch2	Activator	cca	gnls
18851337	18851337~EPA	hse-bla_ratio	Activator	cca	gnls
18851337	18851337~EPA	hse-bla_via	Inactive	cca	cnst
188589324	188589324~NTP	are-bla_ch1	Repressor	cca	hill.inv
188589324	188589324~NTP	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
188589324	188589324~NTP	are-bla_ratio	Activator	cca	gnls
188589324	188589324~NTP	are-bla_via	Inactive	cca	cnst
18924668	18924668~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
18924668	18924668~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
18924668	18924668~EPA	ap1-agonist_ratio	Activator	rfp	hill
18924668	18924668~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
18924668	18924668~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
18924668	18924668~EPA	esre-bla_ch2	Inactive	rfp	cnst
18924668	18924668~EPA	esre-bla_ratio	Activator	rfp	hill
18924668	18924668~EPA	esre-bla_via	Repressor	rfp	hill.inv
18924668	18924668~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
18924668	18924668~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
18924668	18924668~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
18924668	18924668~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
18924668	18924668~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
18924668	18924668~EPA	hse-bla_ch2	Inactive	rfp	cnst
18924668	18924668~EPA	hse-bla_ratio	Activator	rfp	hill
18924668	18924668~EPA	hse-bla_via	Repressor	rfp	hill.inv
18924668	18924668~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
18924668	18924668~EPA	p53-bla_ch2	Inactive	rfp	cnst
18924668	18924668~EPA	p53-bla_ratio	Activator	rfp	hill
18924668	18924668~EPA	p53-bla_via	Repressor	rfp	hill.inv
1897456	1897456~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1897456	1897456~EPA	ap1-agonist_ch2	Activator	cca	gnls
1897456	1897456~EPA	ap1-agonist_ratio	Activator	cca	gnls
1897456	1897456~EPA	ap1-agonist_via	Repressor	cca	hill.inv
1897456	1897456~EPA	are-bla_ch1	Repressor	cca	hill.inv
1897456	1897456~EPA	are-bla_ch2	Activator	cca	gnls
1897456	1897456~EPA	are-bla_ratio	Activator	cca	gnls
1897456	1897456~EPA	are-bla_via	Repressor	cca	hill.inv
1897456	1897456~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
1897456	1897456~EPA	esre-bla_ch2	Inactive	rfp	cnst
1897456	1897456~EPA	esre-bla_ratio	Activator	rfp	hill
1897456	1897456~EPA	esre-bla_via	Repressor	rfp	hill.inv
1897456	1897456~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1897456	1897456~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
1897456	1897456~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
1897456	1897456~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1897456	1897456~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1897456	1897456~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
1897456	1897456~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
1897456	1897456~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
1897456	1897456~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1897456	1897456~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1897456	1897456~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
1897456	1897456~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
1897456	1897456~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1897456	1897456~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
1897456	1897456~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
1897456	1897456~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
1897456	1897456~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1897456	1897456~NTP	ap1-agonist_ch2	Activator	cca	gnls
1897456	1897456~NTP	ap1-agonist_ratio	Activator	cca	gnls
1897456	1897456~NTP	ap1-agonist_via	Repressor	cca	hill.inv
1897456	1897456~NTP	are-bla_ch1	Repressor	cca	hill.inv
1897456	1897456~NTP	are-bla_ch2	Activator	cca	gnls
1897456	1897456~NTP	are-bla_ratio	Activator	cca	gnls
1897456	1897456~NTP	are-bla_via	Repressor	cca	hill.inv
1897456	1897456~NTP	esre-bla_ch1	Complex	rfp	gnls
1897456	1897456~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
1897456	1897456~NTP	esre-bla_ratio	Activator	rfp	hill
1897456	1897456~NTP	esre-bla_via	Repressor	rfp	hill.inv
1897456	1897456~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1897456	1897456~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1897456	1897456~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
1897456	1897456~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1897456	1897456~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
1897456	1897456~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
1897456	1897456~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
1897456	1897456~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
1897456	1897456~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1897456	1897456~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1897456	1897456~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1897456	1897456~NTP	nfkb-bla-agonist_via	Inactive	rfp	cnst
1897456	1897456~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1897456	1897456~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
1897456	1897456~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
1897456	1897456~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
18979550	18979550~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
18979550	18979550~EPA	ap1-agonist_ch2	Activator	cca	gnls
18979550	18979550~EPA	ap1-agonist_ratio	Activator	cca	hill
18979550	18979550~EPA	ap1-agonist_via	Repressor	cca	hill.inv
18979550	18979550~EPA	are-bla_ch1	Repressor	cca	hill.inv
18979550	18979550~EPA	are-bla_ch2	Activator	cca	hill
18979550	18979550~EPA	are-bla_ratio	Activator	cca	hill
18979550	18979550~EPA	are-bla_via	Inactive	cca	cnst
18979550	18979550~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
18979550	18979550~EPA	p53-bla_ch2	Activator	PUC	hill
18979550	18979550~EPA	p53-bla_ratio	Activator	PUC	hill
18979550	18979550~EPA	p53-bla_via	Inactive	PUC	cnst
19044883	19044883~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
19044883	19044883~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
19044883	19044883~EPA	ap1-agonist_ratio	Activator	cca	hill
19044883	19044883~EPA	ap1-agonist_via	Repressor	cca	hill.inv
19044883	19044883~EPA	are-bla_ch1	Repressor	rfp	hill.inv
19044883	19044883~EPA	are-bla_ch2	Inactive	rfp	hill.inv
19044883	19044883~EPA	are-bla_ratio	Activator	rfp	hill
19044883	19044883~EPA	are-bla_via	Repressor	rfp	hill.inv
19044883	19044883~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
19044883	19044883~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
19044883	19044883~FDA	ap1-agonist_ratio	Activator	rfp	hill
19044883	19044883~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
19044883	19044883~FDA	are-bla_ch1	Repressor	rfp	hill.inv
19044883	19044883~FDA	are-bla_ch2	Inactive	rfp	cnst
19044883	19044883~FDA	are-bla_ratio	Activator	rfp	hill
19044883	19044883~FDA	are-bla_via	Inactive	rfp	cnst
19044883	19044883~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
19044883	19044883~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
19044883	19044883~NTP	ap1-agonist_ratio	Activator	rfp	hill
19044883	19044883~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
19044883	19044883~NTP	are-bla_ch1	Repressor	rfp	hill.inv
19044883	19044883~NTP	are-bla_ch2	Inactive	rfp	hill.inv
19044883	19044883~NTP	are-bla_ratio	Activator	rfp	gnls
19044883	19044883~NTP	are-bla_via	Repressor	rfp	hill.inv
19044883	19044883~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
19044883	19044883~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
19044883	19044883~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
19044883	19044883~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
19044883	19044883~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
19044883	19044883~NTP	p53-bla_ch2	Inactive	rfp	cnst
19044883	19044883~NTP	p53-bla_ratio	Activator	rfp	hill
19044883	19044883~NTP	p53-bla_via	Inactive	rfp	cnst
1906792	1906792~NTP	are-bla_ch1	Inactive	cca	cnst
1906792	1906792~NTP	are-bla_ch2	Activator	cca	gnls
1906792	1906792~NTP	are-bla_ratio	Activator	cca	gnls
1906792	1906792~NTP	are-bla_via	Inactive	cca	cnst
191242	191242~NTP	are-bla_ch1	Inactive	EUC	cnst
191242	191242~NTP	are-bla_ch2	Activator	EUC	hill
191242	191242~NTP	are-bla_ratio	Activator	EUC	hill
191242	191242~NTP	are-bla_via	Inactive	EUC	cnst
191242	191242~NTP	esre-bla_ch1	Activator	EUC	hill
191242	191242~NTP	esre-bla_ch2	Activator	EUC	hill
191242	191242~NTP	esre-bla_ratio	Activator	EUC	hill
191242	191242~NTP	esre-bla_via	Inactive	EUC	cnst
191242	191242~NTP	p53-bla_ch1	Inactive	cca	cnst
191242	191242~NTP	p53-bla_ch2	Activator	cca	hill
191242	191242~NTP	p53-bla_ratio	Activator	cca	hill
191242	191242~NTP	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
1917153	1917153~EPA	are-bla_ch1	Inactive	cca	cnst
1917153	1917153~EPA	are-bla_ch2	Activator	cca	hill
1917153	1917153~EPA	are-bla_ratio	Activator	cca	hill
1917153	1917153~EPA	are-bla_via	Inactive	cca	cnst
1918167	1918167~EPA	are-bla_ch1	Repressor	rfp	hill.inv
1918167	1918167~EPA	are-bla_ch2	Inactive	rfp	hill.inv
1918167	1918167~EPA	are-bla_ratio	Activator	rfp	gnls
1918167	1918167~EPA	are-bla_via	Repressor	rfp	hill.inv
1918167	1918167~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
1918167	1918167~EPA	hse-bla_ch2	Inactive	rfp	cnst
1918167	1918167~EPA	hse-bla_ratio	Activator	rfp	hill
1918167	1918167~EPA	hse-bla_via	Repressor	rfp	hill.inv
1918167	1918167~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
1918167	1918167~EPA	p53-bla_ch2	Activator	EOC/PUC	hill
1918167	1918167~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
1918167	1918167~EPA	p53-bla_via	Inactive	EOC/PUC	cnst
1918167	1918167~NTP	are-bla_ch1	Repressor	EOC/PUC	gnls.inv
1918167	1918167~NTP	are-bla_ch2	Activator	EOC/PUC	gnls
1918167	1918167~NTP	are-bla_ratio	Activator	EOC/PUC	gnls
1918167	1918167~NTP	are-bla_via	Repressor	EOC/PUC	hill.inv
1918167	1918167~NTP	hse-bla_ch1	Repressor	rfp	gnls.inv
1918167	1918167~NTP	hse-bla_ch2	Inactive	rfp	cnst
1918167	1918167~NTP	hse-bla_ratio	Activator	rfp	gnls
1918167	1918167~NTP	hse-bla_via	Repressor	rfp	hill.inv
1918167	1918167~NTP	p53-bla_ch1	Repressor	cca	hill.inv
1918167	1918167~NTP	p53-bla_ch2	Activator	cca	gnls
1918167	1918167~NTP	p53-bla_ratio	Activator	cca	gnls
1918167	1918167~NTP	p53-bla_via	Inactive	cca	cnst
19248136	19248136~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
19248136	19248136~NTP	ap1-agonist_ch2	Activator	cca	hill
19248136	19248136~NTP	ap1-agonist_ratio	Activator	cca	hill
19248136	19248136~NTP	ap1-agonist_via	Inactive	cca	cnst
192725170	192725170~FDA	are-bla_ch1	Inactive	EUC	cnst
192725170	192725170~FDA	are-bla_ch2	Activator	EUC	hill
192725170	192725170~FDA	are-bla_ratio	Activator	EUC	hill
192725170	192725170~FDA	are-bla_via	Inactive	EUC	cnst
192972	192972~NTP	are-bla_ch1	Inactive	EUC	cnst
192972	192972~NTP	are-bla_ch2	Activator	EUC	hill
192972	192972~NTP	are-bla_ratio	Activator	EUC	hill
192972	192972~NTP	are-bla_via	Inactive	EUC	cnst
192972	192972~NTP	esre-bla_ch1	Inactive	EUC	cnst
192972	192972~NTP	esre-bla_ch2	Activator	EUC	hill
192972	192972~NTP	esre-bla_ratio	Activator	EUC	hill
192972	192972~NTP	esre-bla_via	Inactive	EUC	cnst
192972	192972~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
192972	192972~NTP	hre-bla-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
192972	192972~NTP	hre-bla-agonist_ratio	Activator	cca	hill
192972	192972~NTP	hre-bla-agonist_via	Inactive	cca	cnst
192972	192972~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
192972	192972~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
192972	192972~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
192972	192972~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
192972	192972~NTP	p53-bla_ch1	Inactive	EUC	cnst
192972	192972~NTP	p53-bla_ch2	Activator	EUC	hill
192972	192972~NTP	p53-bla_ratio	Activator	EUC	hill
192972	192972~NTP	p53-bla_via	Inactive	EUC	cnst
193395	193395~NTP	ap1-agonist_ch1	Activator	rfn	gnls
193395	193395~NTP	ap1-agonist_ch2	Activator	rfn	gnls
193395	193395~NTP	ap1-agonist_ratio	Inactive	rfn	cnst
193395	193395~NTP	ap1-agonist_via	Inactive	rfn	cnst
193395	193395~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
193395	193395~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
193395	193395~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
193395	193395~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
19356173	19356173~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
19356173	19356173~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
19356173	19356173~FDA	p53-bla_ratio	Activator	rfp	hill
19356173	19356173~FDA	p53-bla_via	Repressor	rfp	hill.inv
1937377	1937377~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
1937377	1937377~EPA	ap1-agonist_ch2	Activator	cca	gnls
1937377	1937377~EPA	ap1-agonist_ratio	Activator	cca	hill
1937377	1937377~EPA	ap1-agonist_via	Inactive	cca	cnst
194098254	194098254~EPA	are-bla_ch1	Inactive	cca	cnst
194098254	194098254~EPA	are-bla_ch2	Activator	cca	hill
194098254	194098254~EPA	are-bla_ratio	Activator	cca	hill
194098254	194098254~EPA	are-bla_via	Inactive	cca	cnst
1942718	1942718~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1942718	1942718~NTP	ap1-agonist_ch2	Activator	EOC/PUC	hill
1942718	1942718~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
1942718	1942718~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
1943971	1943971~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
1943971	1943971~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
1943971	1943971~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
1943971	1943971~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
1943971	1943971~NTP	are-bla_ch1	Repressor	cca	hill.inv
1943971	1943971~NTP	are-bla_ch2	Activator	cca	gnls
1943971	1943971~NTP	are-bla_ratio	Activator	cca	gnls
1943971	1943971~NTP	are-bla_via	Repressor	cca	hill.inv
1943971	1943971~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
1943971	1943971~NTP	esre-bla_ch2	Inactive	rfp	cnst
1943971	1943971~NTP	esre-bla_ratio	Activator	rfp	hill
1943971	1943971~NTP	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
1943971	1943971~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
1943971	1943971~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
1943971	1943971~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
1943971	1943971~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
1943971	1943971~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
1943971	1943971~NTP	hse-bla_ch2	Inactive	rfp	cnst
1943971	1943971~NTP	hse-bla_ratio	Activator	rfp	hill
1943971	1943971~NTP	hse-bla_via	Repressor	rfp	hill.inv
1943971	1943971~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
1943971	1943971~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
1943971	1943971~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
1943971	1943971~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
1943971	1943971~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
1943971	1943971~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
1943971	1943971~NTP	p53-bla_ratio	Activator	rfp	hill
1943971	1943971~NTP	p53-bla_via	Repressor	rfp	hill.inv
1948330	1948330~EPA	are-bla_ch1	Repressor	cca	hill.inv
1948330	1948330~EPA	are-bla_ch2	Activator	cca	gnls
1948330	1948330~EPA	are-bla_ratio	Activator	cca	hill
1948330	1948330~EPA	are-bla_via	Inactive	cca	cnst
1948330	1948330~NTP	are-bla_ch1	Repressor	cca	hill.inv
1948330	1948330~NTP	are-bla_ch2	Activator	cca	hill
1948330	1948330~NTP	are-bla_ratio	Activator	cca	hill
1948330	1948330~NTP	are-bla_via	Inactive	cca	cnst
1949208	1949208~FDA	are-bla_ch1	Repressor	cca	hill.inv
1949208	1949208~FDA	are-bla_ch2	Activator	cca	gnls
1949208	1949208~FDA	are-bla_ratio	Activator	cca	hill
1949208	1949208~FDA	are-bla_via	Inactive	cca	cnst
19666309	19666309~EPA	are-bla_ch1	Inactive	EUC	cnst
19666309	19666309~EPA	are-bla_ch2	Activator	EUC	hill
19666309	19666309~EPA	are-bla_ratio	Activator	EUC	hill
19666309	19666309~EPA	are-bla_via	Inactive	EUC	cnst
19666309	19666309~NTP	ap1-agonist_ch1	Inactive	cca	cnst
19666309	19666309~NTP	ap1-agonist_ch2	Activator	cca	gnls
19666309	19666309~NTP	ap1-agonist_ratio	Activator	cca	gnls
19666309	19666309~NTP	ap1-agonist_via	Inactive	cca	cnst
196808454	196808454~EPA	are-bla_ch1	Repressor	EUC	hill.inv
196808454	196808454~EPA	are-bla_ch2	Activator	EUC	gnls
196808454	196808454~EPA	are-bla_ratio	Activator	EUC	gnls
196808454	196808454~EPA	are-bla_via	Repressor	EUC	hill.inv
196808454	196808454~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
196808454	196808454~EPA	esre-bla_ch2	Inactive	rfp	cnst
196808454	196808454~EPA	esre-bla_ratio	Activator	rfp	hill
196808454	196808454~EPA	esre-bla_via	Repressor	rfp	hill.inv
196808454	196808454~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
196808454	196808454~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
196808454	196808454~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
196808454	196808454~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
196808454	196808454~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
196808454	196808454~EPA	hse-bla_ch2	Inactive	rfp	cnst
196808454	196808454~EPA	hse-bla_ratio	Activator	rfp	hill
196808454	196808454~EPA	hse-bla_via	Repressor	rfp	hill.inv
196808454	196808454~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
196808454	196808454~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
196808454	196808454~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
196808454	196808454~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
196808454	196808454~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
196808454	196808454~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
196808454	196808454~EPA	p53-bla_ratio	Activator	rfp	hill
196808454	196808454~EPA	p53-bla_via	Repressor	rfp	hill.inv
1972083	1972083~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
1972083	1972083~FDA	p53-bla_ch2	Inactive	rfp	cnst
1972083	1972083~FDA	p53-bla_ratio	Activator	rfp	hill
1972083	1972083~FDA	p53-bla_via	Repressor	rfp	hill.inv
1975504	1975504~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
1975504	1975504~NTP	ap1-agonist_ch2	Activator	cca	hill
1975504	1975504~NTP	ap1-agonist_ratio	Activator	cca	hill
1975504	1975504~NTP	ap1-agonist_via	Inactive	cca	cnst
19774824	19774824~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
19774824	19774824~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
19774824	19774824~EPA	ap1-agonist_ratio	Activator	rfp	hill
19774824	19774824~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
19774824	19774824~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
19774824	19774824~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
19774824	19774824~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
19774824	19774824~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
1982474	1982474~EPA	are-bla_ch1	Repressor	cca	hill.inv
1982474	1982474~EPA	are-bla_ch2	Activator	cca	hill
1982474	1982474~EPA	are-bla_ratio	Activator	cca	hill
1982474	1982474~EPA	are-bla_via	Inactive	cca	cnst
198481333	198481333~FDA	are-bla_ch1	Repressor	rfn	hill.inv
198481333	198481333~FDA	are-bla_ch2	Activator	rfn	gnls
198481333	198481333~FDA	are-bla_ratio	Inactive	rfn	cnst
198481333	198481333~FDA	are-bla_via	Repressor	rfn	hill.inv
1987504	1987504~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
1987504	1987504~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
1987504	1987504~EPA	ap1-agonist_ratio	Activator	rfp	hill
1987504	1987504~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
19881186	19881186~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
19881186	19881186~FDA	p53-bla_ch2	Activator	EOC	hill
19881186	19881186~FDA	p53-bla_ratio	Activator	EOC	hill
19881186	19881186~FDA	p53-bla_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
199171885	199171885~EPA	are-bla_ch1	Repressor	cca	hill.inv
199171885	199171885~EPA	are-bla_ch2	Activator	cca	hill
199171885	199171885~EPA	are-bla_ratio	Activator	cca	hill
199171885	199171885~EPA	are-bla_via	Inactive	cca	cnst
199171885	199171885~EPA	esre-bla_ch1	Inactive	cca	cnst
199171885	199171885~EPA	esre-bla_ch2	Activator	cca	gnls
199171885	199171885~EPA	esre-bla_ratio	Activator	cca	gnls
199171885	199171885~EPA	esre-bla_via	Inactive	cca	cnst
19952477	19952477~NTP	are-bla_ch1	Repressor	cca	hill.inv
19952477	19952477~NTP	are-bla_ch2	Activator	cca	gnls
19952477	19952477~NTP	are-bla_ratio	Activator	cca	hill
19952477	19952477~NTP	are-bla_via	Inactive	cca	cnst
20004620	20004620~FDA	are-bla_ch1	Activator	rfn	hill
20004620	20004620~FDA	are-bla_ch2	Activator	rfn	gnls
20004620	20004620~FDA	are-bla_ratio	Inactive	rfn	hill.inv
20004620	20004620~FDA	are-bla_via	Inactive	rfn	cnst
20004620	20004620~FDA	p53-bla_ch1	Repressor	cca	gnls.inv
20004620	20004620~FDA	p53-bla_ch2	Activator	cca	gnls
20004620	20004620~FDA	p53-bla_ratio	Activator	cca	gnls
20004620	20004620~FDA	p53-bla_via	Repressor	cca	hill.inv
20018091	20018091~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
20018091	20018091~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
20018091	20018091~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
20018091	20018091~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
200940234	200940234~EPA	are-bla_ch1	Repressor	cca	hill.inv
200940234	200940234~EPA	are-bla_ch2	Activator	cca	gnls
200940234	200940234~EPA	are-bla_ratio	Activator	cca	gnls
200940234	200940234~EPA	are-bla_via	Repressor	cca	hill.inv
201530418	201530418~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
201530418	201530418~FDA	hre-bla-agonist_ch2	Activator	cca	hill
201530418	201530418~FDA	hre-bla-agonist_ratio	Activator	cca	hill
201530418	201530418~FDA	hre-bla-agonist_via	Inactive	cca	cnst
2016888	2016888~EPA	are-bla_ch1	Inactive	cca	cnst
2016888	2016888~EPA	are-bla_ch2	Activator	cca	hill
2016888	2016888~EPA	are-bla_ratio	Activator	cca	hill
2016888	2016888~EPA	are-bla_via	Inactive	cca	cnst
202138509	202138509~FDA	are-bla_ch1	Inactive	cca	cnst
202138509	202138509~FDA	are-bla_ch2	Activator	cca	hill
202138509	202138509~FDA	are-bla_ratio	Activator	cca	hill
202138509	202138509~FDA	are-bla_via	Inactive	cca	cnst
20229305	20229305~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
20229305	20229305~FDA	ap1-agonist_ch2	Activator	cca	hill
20229305	20229305~FDA	ap1-agonist_ratio	Activator	cca	hill
20229305	20229305~FDA	ap1-agonist_via	Inactive	cca	cnst
2026246	2026246~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
2026246	2026246~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
2026246	2026246~EPA	ap1-agonist_ratio	Activator	rfp	hill
2026246	2026246~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
2026246	2026246~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
2026246	2026246~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
2026246	2026246~EPA	esre-bla_ratio	Activator	rfp	hill
2026246	2026246~EPA	esre-bla_via	Repressor	rfp	hill.inv
2026246	2026246~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2026246	2026246~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2026246	2026246~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2026246	2026246~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2026246	2026246~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
2026246	2026246~EPA	hse-bla_ch2	Inactive	rfp	cnst
2026246	2026246~EPA	hse-bla_ratio	Activator	rfp	hill
2026246	2026246~EPA	hse-bla_via	Repressor	rfp	hill.inv
2026246	2026246~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2026246	2026246~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2026246	2026246~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2026246	2026246~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2026246	2026246~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2026246	2026246~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
2026246	2026246~EPA	p53-bla_ratio	Activator	rfp	hill
2026246	2026246~EPA	p53-bla_via	Repressor	rfp	hill.inv
20325400	20325400~EPA	are-bla_ch1	Repressor	rfp	hill.inv
20325400	20325400~EPA	are-bla_ch2	Inactive	rfp	hill.inv
20325400	20325400~EPA	are-bla_ratio	Activator	rfp	hill
20325400	20325400~EPA	are-bla_via	Inactive	rfp	cnst
20325400	20325400~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
20325400	20325400~EPA	hse-bla_ch2	Inactive	rfp	hill.inv
20325400	20325400~EPA	hse-bla_ratio	Activator	rfp	hill
20325400	20325400~EPA	hse-bla_via	Inactive	rfp	cnst
20325400	20325400~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
20325400	20325400~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
20325400	20325400~EPA	p53-bla_ratio	Activator	rfp	hill
20325400	20325400~EPA	p53-bla_via	Inactive	rfp	cnst
20325400	20325400~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
20325400	20325400~NTP	p53-bla_ch2	Inactive	rfp	cnst
20325400	20325400~NTP	p53-bla_ratio	Activator	rfp	hill
20325400	20325400~NTP	p53-bla_via	Inactive	rfp	cnst
2032599	2032599~EPA	are-bla_ch1	Inactive	cca	cnst
2032599	2032599~EPA	are-bla_ch2	Activator	cca	hill
2032599	2032599~EPA	are-bla_ratio	Activator	cca	hill
2032599	2032599~EPA	are-bla_via	Inactive	cca	cnst
203313251	203313251~EPA	p53-bla_ch1	Inactive	cca	cnst
203313251	203313251~EPA	p53-bla_ch2	Activator	cca	hill
203313251	203313251~EPA	p53-bla_ratio	Activator	cca	hill
203313251	203313251~EPA	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
203942498	203942498~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
203942498	203942498~EPA	ap1-agonist_ch2	Activator	cca	gnls
203942498	203942498~EPA	ap1-agonist_ratio	Activator	cca	hill
203942498	203942498~EPA	ap1-agonist_via	Repressor	cca	hill.inv
203942498	203942498~EPA	are-bla_ch1	Repressor	rfp	hill.inv
203942498	203942498~EPA	are-bla_ch2	Inactive	rfp	hill.inv
203942498	203942498~EPA	are-bla_ratio	Activator	rfp	gnls
203942498	203942498~EPA	are-bla_via	Repressor	rfp	hill.inv
203942498	203942498~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
203942498	203942498~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
203942498	203942498~EPA	esre-bla_ratio	Activator	rfp	hill
203942498	203942498~EPA	esre-bla_via	Repressor	rfp	hill.inv
203942498	203942498~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
203942498	203942498~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
203942498	203942498~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
203942498	203942498~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
203942498	203942498~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
203942498	203942498~EPA	hse-bla_ch2	Inactive	rfp	hill.inv
203942498	203942498~EPA	hse-bla_ratio	Activator	rfp	hill
203942498	203942498~EPA	hse-bla_via	Repressor	rfp	hill.inv
203942498	203942498~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
203942498	203942498~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
203942498	203942498~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
203942498	203942498~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
203942498	203942498~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
203942498	203942498~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
203942498	203942498~EPA	p53-bla_ratio	Activator	rfp	hill
203942498	203942498~EPA	p53-bla_via	Repressor	rfp	hill.inv
204005469	204005469~FDA	are-bla_ch1	Complex	EUC	gnls.inv
204005469	204005469~FDA	are-bla_ch2	Activator	EUC	gnls
204005469	204005469~FDA	are-bla_ratio	Activator	EUC	gnls
204005469	204005469~FDA	are-bla_via	Inactive	EUC	cnst
204519653	204519653~FDA	are-bla_ch1	Inactive	cca	cnst
204519653	204519653~FDA	are-bla_ch2	Activator	cca	hill
204519653	204519653~FDA	are-bla_ratio	Activator	cca	hill
204519653	204519653~FDA	are-bla_via	Inactive	cca	cnst
2050875	2050875~FDA	p53-bla_ch1	Inactive	cca	cnst
2050875	2050875~FDA	p53-bla_ch2	Activator	cca	gnls
2050875	2050875~FDA	p53-bla_ratio	Activator	cca	gnls
2050875	2050875~FDA	p53-bla_via	Inactive	cca	cnst
20559551	20559551~FDA	ap1-agonist_ch1	Inactive	cca	cnst
20559551	20559551~FDA	ap1-agonist_ch2	Activator	cca	hill
20559551	20559551~FDA	ap1-agonist_ratio	Activator	cca	hill
20559551	20559551~FDA	ap1-agonist_via	Inactive	cca	cnst
20559551	20559551~FDA	are-bla_ch1	Inactive	EUC	cnst
20559551	20559551~FDA	are-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
20559551	20559551~FDA	are-bla_ratio	Activator	EUC	gnls
20559551	20559551~FDA	are-bla_via	Inactive	EUC	cnst
20559551	20559551~FDA	p53-bla_ch1	Repressor	cca	hill.inv
20559551	20559551~FDA	p53-bla_ch2	Activator	cca	gnls
20559551	20559551~FDA	p53-bla_ratio	Activator	cca	gnls
20559551	20559551~FDA	p53-bla_via	Inactive	cca	cnst
20562021	20562021~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
20562021	20562021~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
20562021	20562021~FDA	p53-bla_ratio	Activator	rfp	hill
20562021	20562021~FDA	p53-bla_via	Repressor	rfp	hill.inv
20562021	20562021~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
20562021	20562021~NTP	ap1-agonist_ch2	Activator	EOC	hill
20562021	20562021~NTP	ap1-agonist_ratio	Activator	EOC	gnls
20562021	20562021~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
20562021	20562021~NTP	are-bla_ch1	Repressor	rfp	hill.inv
20562021	20562021~NTP	are-bla_ch2	Inactive	rfp	hill.inv
20562021	20562021~NTP	are-bla_ratio	Activator	rfp	gnls
20562021	20562021~NTP	are-bla_via	Repressor	rfp	hill.inv
20562021	20562021~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
20562021	20562021~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
20562021	20562021~NTP	esre-bla_ratio	Activator	rfp	hill
20562021	20562021~NTP	esre-bla_via	Repressor	rfp	hill.inv
20562021	20562021~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
20562021	20562021~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
20562021	20562021~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
20562021	20562021~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
20562021	20562021~NTP	hse-bla_ch1	Repressor	rfp	gnls.inv
20562021	20562021~NTP	hse-bla_ch2	Inactive	rfp	cnst
20562021	20562021~NTP	hse-bla_ratio	Activator	rfp	gnls
20562021	20562021~NTP	hse-bla_via	Repressor	rfp	hill.inv
20562021	20562021~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
20562021	20562021~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
20562021	20562021~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
20562021	20562021~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
20562021	20562021~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
20562021	20562021~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
20562021	20562021~NTP	p53-bla_ratio	Activator	rfp	hill
20562021	20562021~NTP	p53-bla_via	Repressor	rfp	hill.inv
20570961	20570961~NTP	are-bla_ch1	Repressor	cca	hill.inv
20570961	20570961~NTP	are-bla_ch2	Activator	cca	hill
20570961	20570961~NTP	are-bla_ratio	Activator	cca	gnls
20570961	20570961~NTP	are-bla_via	Inactive	cca	cnst
2057490	2057490~EPA	are-bla_ch1	Inactive	rfn	cnst
2057490	2057490~EPA	are-bla_ch2	Activator	rfn	hill
2057490	2057490~EPA	are-bla_ratio	Inactive	rfn	cnst
2057490	2057490~EPA	are-bla_via	Inactive	rfn	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2057490	2057490~EPA	hse-bla_ch1	Inactive	cca	cnst
2057490	2057490~EPA	hse-bla_ch2	Activator	cca	hill
2057490	2057490~EPA	hse-bla_ratio	Activator	cca	hill
2057490	2057490~EPA	hse-bla_via	Inactive	cca	cnst
2058948	2058948~EPA	are-bla_ch1	Inactive	EUC	cnst
2058948	2058948~EPA	are-bla_ch2	Activator	EUC	gnls
2058948	2058948~EPA	are-bla_ratio	Activator	EUC	hill
2058948	2058948~EPA	are-bla_via	Inactive	EUC	cnst
205992	205992~EPA	ap1-agonist_ch1	Inactive	cca	cnst
205992	205992~EPA	ap1-agonist_ch2	Activator	cca	hill
205992	205992~EPA	ap1-agonist_ratio	Activator	cca	hill
205992	205992~EPA	ap1-agonist_via	Inactive	cca	cnst
205992	205992~EPA	are-bla_ch1	Activator	cca	hill
205992	205992~EPA	are-bla_ch2	Activator	cca	hill
205992	205992~EPA	are-bla_ratio	Activator	cca	hill
205992	205992~EPA	are-bla_via	Inactive	cca	cnst
205992	205992~EPA	esre-bla_ch1	Activator	EUC	hill
205992	205992~EPA	esre-bla_ch2	Activator	EUC	hill
205992	205992~EPA	esre-bla_ratio	Activator	EUC	hill
205992	205992~EPA	esre-bla_via	Inactive	EUC	cnst
205992	205992~EPA	hre-bla-agonist_ch1	Activator	EUC	hill
205992	205992~EPA	hre-bla-agonist_ch2	Activator	EUC	hill
205992	205992~EPA	hre-bla-agonist_ratio	Activator	EUC	hill
205992	205992~EPA	hre-bla-agonist_via	Repressor	EUC	hill.inv
205992	205992~EPA	hse-bla_ch1	Inactive	EUC	cnst
205992	205992~EPA	hse-bla_ch2	Activator	EUC	hill
205992	205992~EPA	hse-bla_ratio	Activator	EUC	hill
205992	205992~EPA	hse-bla_via	Inactive	EUC	cnst
205992	205992~EPA	nfkb-bla-agonist_ch1	Activator	EUC	hill
205992	205992~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
205992	205992~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
205992	205992~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst
205992	205992~EPA	p53-bla_ch1	Activator	EUC	hill
205992	205992~EPA	p53-bla_ch2	Activator	EUC	hill
205992	205992~EPA	p53-bla_ratio	Activator	EUC	hill
205992	205992~EPA	p53-bla_via	Inactive	EUC	cnst
205992	205992~NTP	ap1-agonist_ch1	Inactive	EUC	cnst
205992	205992~NTP	ap1-agonist_ch2	Activator	EUC	hill
205992	205992~NTP	ap1-agonist_ratio	Activator	EUC	hill
205992	205992~NTP	ap1-agonist_via	Repressor	EUC	hill.inv
205992	205992~NTP	are-bla_ch1	Repressor	EUC/POC	gnls.inv
205992	205992~NTP	are-bla_ch2	Activator	EUC/POC	gnls
205992	205992~NTP	are-bla_ratio	Activator	EUC/POC	gnls
205992	205992~NTP	are-bla_via	Inactive	EUC/POC	cnst
205992	205992~NTP	esre-bla_ch1	Activator	EUC	hill
205992	205992~NTP	esre-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
205992	205992~NTP	esre-bla_ratio	Activator	EUC	hill
205992	205992~NTP	esre-bla_via	Inactive	EUC	cnst
205992	205992~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
205992	205992~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
205992	205992~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
205992	205992~NTP	hre-bla-agonist_via	Repressor	EUC	hill.inv
205992	205992~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
205992	205992~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
205992	205992~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
205992	205992~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
205992	205992~NTP	p53-bla_ch1	Activator	EUC	hill
205992	205992~NTP	p53-bla_ch2	Activator	EUC	hill
205992	205992~NTP	p53-bla_ratio	Activator	EUC	hill
205992	205992~NTP	p53-bla_via	Inactive	EUC	cnst
20624253	20624253~EPA	are-bla_ch1	Inactive	cca	cnst
20624253	20624253~EPA	are-bla_ch2	Activator	cca	hill
20624253	20624253~EPA	are-bla_ratio	Activator	cca	hill
20624253	20624253~EPA	are-bla_via	Repressor	cca	gnls.inv
20624253	20624253~EPA	esre-bla_ch1	Repressor	EOC	hill.inv
20624253	20624253~EPA	esre-bla_ch2	Activator	EOC	hill
20624253	20624253~EPA	esre-bla_ratio	Activator	EOC	hill
20624253	20624253~EPA	esre-bla_via	Repressor	EOC	hill.inv
20624253	20624253~EPA	hse-bla_ch1	Repressor	cca	hill.inv
20624253	20624253~EPA	hse-bla_ch2	Activator	cca	gnls
20624253	20624253~EPA	hse-bla_ratio	Activator	cca	gnls
20624253	20624253~EPA	hse-bla_via	Repressor	cca	hill.inv
20624253	20624253~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
20624253	20624253~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
20624253	20624253~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
20624253	20624253~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
20624253	20624253~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
20624253	20624253~NTP	ap1-agonist_ch2	Activator	cca	gnls
20624253	20624253~NTP	ap1-agonist_ratio	Activator	cca	hill
20624253	20624253~NTP	ap1-agonist_via	Repressor	cca	hill.inv
20624253	20624253~NTP	are-bla_ch1	Inactive	rfn	cnst
20624253	20624253~NTP	are-bla_ch2	Activator	rfn	hill
20624253	20624253~NTP	are-bla_ratio	Inactive	rfn	hill.inv
20624253	20624253~NTP	are-bla_via	Repressor	rfn	hill.inv
20624253	20624253~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
20624253	20624253~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
20624253	20624253~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
20624253	20624253~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
2062784	2062784~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
2062784	2062784~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
2062784	2062784~EPA	ap1-agonist_ratio	Activator	rfp	hill
2062784	2062784~EPA	ap1-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
2062784	2062784~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2062784	2062784~EPA	are-bla_ch2	Activator	EUC	gnls
2062784	2062784~EPA	are-bla_ratio	Activator	EUC	gnls
2062784	2062784~EPA	are-bla_via	Repressor	EUC	hill.inv
2062784	2062784~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
2062784	2062784~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
2062784	2062784~EPA	esre-bla_ratio	Activator	rfp	hill
2062784	2062784~EPA	esre-bla_via	Repressor	rfp	hill.inv
2062784	2062784~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2062784	2062784~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2062784	2062784~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2062784	2062784~EPA	hre-bla-agonist_via	Repressor	rfp	gnls.inv
2062784	2062784~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
2062784	2062784~EPA	hse-bla_ch2	Inactive	rfp	cnst
2062784	2062784~EPA	hse-bla_ratio	Activator	rfp	hill
2062784	2062784~EPA	hse-bla_via	Repressor	rfp	hill.inv
2062784	2062784~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2062784	2062784~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2062784	2062784~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2062784	2062784~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2062784	2062784~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2062784	2062784~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
2062784	2062784~EPA	p53-bla_ratio	Activator	rfp	hill
2062784	2062784~EPA	p53-bla_via	Repressor	rfp	hill.inv
2062784	2062784~FDA	are-bla_ch1	Inactive	rfn	cnst
2062784	2062784~FDA	are-bla_ch2	Activator	rfn	gnls
2062784	2062784~FDA	are-bla_ratio	Inactive	rfn	cnst
2062784	2062784~FDA	are-bla_via	Repressor	rfn	hill.inv
2062784	2062784~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
2062784	2062784~FDA	hse-bla_ch2	Inactive	rfp	cnst
2062784	2062784~FDA	hse-bla_ratio	Activator	rfp	hill
2062784	2062784~FDA	hse-bla_via	Repressor	rfp	hill.inv
2062784	2062784~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
2062784	2062784~FDA	p53-bla_ch2	Inactive	rfp	cnst
2062784	2062784~FDA	p53-bla_ratio	Activator	rfp	hill
2062784	2062784~FDA	p53-bla_via	Repressor	rfp	hill.inv
206440	206440~EPA	esre-bla_ch1	Inactive	cca	cnst
206440	206440~EPA	esre-bla_ch2	Activator	cca	hill
206440	206440~EPA	esre-bla_ratio	Activator	cca	hill
206440	206440~EPA	esre-bla_via	Inactive	cca	cnst
206440	206440~NTP	esre-bla_ch1	Inactive	cca	cnst
206440	206440~NTP	esre-bla_ch2	Activator	cca	hill
206440	206440~NTP	esre-bla_ratio	Activator	cca	hill
206440	206440~NTP	esre-bla_via	Inactive	cca	cnst
207089	207089~NTP	ap1-agonist_ch1	Inactive	cca	cnst
207089	207089~NTP	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
207089	207089~NTP	ap1-agonist_ratio	Activator	cca	gnls
207089	207089~NTP	ap1-agonist_via	Inactive	cca	cnst
207089	207089~NTP	are-bla_ch1	Activator	EUC/POC	hill
207089	207089~NTP	are-bla_ch2	Activator	EUC/POC	hill
207089	207089~NTP	are-bla_ratio	Activator	EUC/POC	hill
207089	207089~NTP	are-bla_via	Inactive	EUC/POC	cnst
207089	207089~NTP	esre-bla_ch1	Activator	EUC	hill
207089	207089~NTP	esre-bla_ch2	Activator	EUC	hill
207089	207089~NTP	esre-bla_ratio	Activator	EUC	hill
207089	207089~NTP	esre-bla_via	Inactive	EUC	cnst
207089	207089~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
207089	207089~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
207089	207089~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
207089	207089~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
207089	207089~NTP	hse-bla_ch1	Activator	cca	hill
207089	207089~NTP	hse-bla_ch2	Activator	cca	hill
207089	207089~NTP	hse-bla_ratio	Activator	cca	hill
207089	207089~NTP	hse-bla_via	Inactive	cca	cnst
207089	207089~NTP	nfkb-bla-agonist_ch1	Activator	EUC/PUC	hill
207089	207089~NTP	nfkb-bla-agonist_ch2	Activator	EUC/PUC	hill
207089	207089~NTP	nfkb-bla-agonist_ratio	Activator	EUC/PUC	hill
207089	207089~NTP	nfkb-bla-agonist_via	Inactive	EUC/PUC	cnst
207089	207089~NTP	p53-bla_ch1	Activator	EUC	hill
207089	207089~NTP	p53-bla_ch2	Activator	EUC	hill
207089	207089~NTP	p53-bla_ratio	Activator	EUC	hill
207089	207089~NTP	p53-bla_via	Inactive	EUC	cnst
207386923	207386923~EPA	are-bla_ch1	Inactive	cca	cnst
207386923	207386923~EPA	are-bla_ch2	Activator	cca	hill
207386923	207386923~EPA	are-bla_ratio	Activator	cca	hill
207386923	207386923~EPA	are-bla_via	Inactive	cca	cnst
2078548	2078548~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
2078548	2078548~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
2078548	2078548~EPA	ap1-agonist_ratio	Activator	rfp	hill
2078548	2078548~EPA	ap1-agonist_via	Inactive	rfp	cnst
2078548	2078548~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2078548	2078548~NTP	ap1-agonist_ch2	Activator	cca	hill
2078548	2078548~NTP	ap1-agonist_ratio	Activator	cca	hill
2078548	2078548~NTP	ap1-agonist_via	Inactive	cca	cnst
2081085	2081085~NTP	are-bla_ch1	Inactive	cca	cnst
2081085	2081085~NTP	are-bla_ch2	Activator	cca	hill
2081085	2081085~NTP	are-bla_ratio	Activator	cca	hill
2081085	2081085~NTP	are-bla_via	Inactive	cca	cnst
20830755	20830755~EPA	ap1-agonist_ch1	Inactive	cca	cnst
20830755	20830755~EPA	ap1-agonist_ch2	Activator	cca	gnls
20830755	20830755~EPA	ap1-agonist_ratio	Activator	cca	gnls
20830755	20830755~EPA	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
20830755	20830755~EPA	are-bla_ch1	Inactive	rfn	cnst
20830755	20830755~EPA	are-bla_ch2	Activator	rfn	gnls
20830755	20830755~EPA	are-bla_ratio	Inactive	rfn	hill.inv
20830755	20830755~EPA	are-bla_via	Repressor	rfn	hill.inv
20830755	20830755~EPA	p53-bla_ch1	Repressor	cca	hill.inv
20830755	20830755~EPA	p53-bla_ch2	Activator	cca	gnls
20830755	20830755~EPA	p53-bla_ratio	Activator	cca	gnls
20830755	20830755~EPA	p53-bla_via	Repressor	cca	hill.inv
20830755	20830755~FDA	p53-bla_ch1	Inactive	rfn	cnst
20830755	20830755~FDA	p53-bla_ch2	Activator	rfn	gnls
20830755	20830755~FDA	p53-bla_ratio	Inactive	rfn	hill.inv
20830755	20830755~FDA	p53-bla_via	Repressor	rfn	hill.inv
20830755	20830755~NTP	are-bla_ch1	Activator	rfn	gnls
20830755	20830755~NTP	are-bla_ch2	Activator	rfn	gnls
20830755	20830755~NTP	are-bla_ratio	Inactive	rfn	gnls.inv
20830755	20830755~NTP	are-bla_via	Repressor	rfn	gnls.inv
20830755	20830755~NTP	p53-bla_ch1	Repressor	cca	hill.inv
20830755	20830755~NTP	p53-bla_ch2	Activator	cca	gnls
20830755	20830755~NTP	p53-bla_ratio	Activator	cca	gnls
20830755	20830755~NTP	p53-bla_via	Repressor	cca	hill.inv
20830813	20830813~FDA	ap1-agonist_ch1	Inactive	cca	cnst
20830813	20830813~FDA	ap1-agonist_ch2	Activator	cca	gnls
20830813	20830813~FDA	ap1-agonist_ratio	Activator	cca	gnls
20830813	20830813~FDA	ap1-agonist_via	Inactive	cca	cnst
20830813	20830813~FDA	are-bla_ch1	Repressor	cca	hill.inv
20830813	20830813~FDA	are-bla_ch2	Activator	cca	gnls
20830813	20830813~FDA	are-bla_ratio	Activator	cca	gnls
20830813	20830813~FDA	are-bla_via	Repressor	cca	hill.inv
20830813	20830813~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
20830813	20830813~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
20830813	20830813~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
20830813	20830813~FDA	hre-bla-agonist_via	Repressor	rfp	gnls.inv
20830813	20830813~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
20830813	20830813~FDA	p53-bla_ch2	Activator	EOC	gnls
20830813	20830813~FDA	p53-bla_ratio	Activator	EOC	gnls
20830813	20830813~FDA	p53-bla_via	Inactive	EOC	cnst
2095036	2095036~EPA	are-bla_ch1	Inactive	EUC	cnst
2095036	2095036~EPA	are-bla_ch2	Activator	EUC	hill
2095036	2095036~EPA	are-bla_ratio	Activator	EUC	hill
2095036	2095036~EPA	are-bla_via	Inactive	EUC	cnst
2095036	2095036~EPA	p53-bla_ch1	Repressor	cca	hill.inv
2095036	2095036~EPA	p53-bla_ch2	Activator	cca	gnls
2095036	2095036~EPA	p53-bla_ratio	Activator	cca	hill
2095036	2095036~EPA	p53-bla_via	Inactive	cca	cnst
2095036	2095036~NTP	ap1-agonist_ch1	Repressor	rfn	hill.inv
2095036	2095036~NTP	ap1-agonist_ch2	Activator	rfn	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
2095036	2095036~NTP	ap1-agonist_ratio	Inactive	rfn	cnst
2095036	2095036~NTP	ap1-agonist_via	Activator	rfn	hill
2095036	2095036~NTP	are-bla_ch1	Inactive	EOC	cnst
2095036	2095036~NTP	are-bla_ch2	Activator	EOC	hill
2095036	2095036~NTP	are-bla_ratio	Activator	EOC	hill
2095036	2095036~NTP	are-bla_via	Inactive	EOC	cnst
2104963	2104963~EPA	are-bla_ch1	Inactive	EUC/POC	cnst
2104963	2104963~EPA	are-bla_ch2	Activator	EUC/POC	gnls
2104963	2104963~EPA	are-bla_ratio	Activator	EUC/POC	gnls
2104963	2104963~EPA	are-bla_via	Inactive	EUC/POC	cnst
2107768	2107768~NTP	are-bla_ch1	Inactive	EUC	cnst
2107768	2107768~NTP	are-bla_ch2	Activator	EUC	hill
2107768	2107768~NTP	are-bla_ratio	Activator	EUC	hill
2107768	2107768~NTP	are-bla_via	Inactive	EUC	cnst
2107768	2107768~NTP	esre-bla_ch1	Activator	EUC	hill
2107768	2107768~NTP	esre-bla_ch2	Activator	EUC	hill
2107768	2107768~NTP	esre-bla_ratio	Activator	EUC	hill
2107768	2107768~NTP	esre-bla_via	Inactive	EUC	cnst
2107768	2107768~NTP	hse-bla_ch1	Inactive	cca	cnst
2107768	2107768~NTP	hse-bla_ch2	Activator	cca	hill
2107768	2107768~NTP	hse-bla_ratio	Activator	cca	hill
2107768	2107768~NTP	hse-bla_via	Inactive	cca	cnst
2113613	2113613~EPA	are-bla_ch1	Inactive	cca	cnst
2113613	2113613~EPA	are-bla_ch2	Activator	cca	hill
2113613	2113613~EPA	are-bla_ratio	Activator	cca	hill
2113613	2113613~EPA	are-bla_via	Inactive	cca	cnst
21145777	21145777~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
21145777	21145777~EPA	ap1-agonist_ch2	Activator	cca	gnls
21145777	21145777~EPA	ap1-agonist_ratio	Activator	cca	hill
21145777	21145777~EPA	ap1-agonist_via	Repressor	cca	hill.inv
21145777	21145777~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
21145777	21145777~EPA	esre-bla_ch2	Inactive	rfp	cnst
21145777	21145777~EPA	esre-bla_ratio	Activator	rfp	hill
21145777	21145777~EPA	esre-bla_via	Repressor	rfp	hill.inv
212141543	212141543~FDA	are-bla_ch1	Repressor	EUC	hill.inv
212141543	212141543~FDA	are-bla_ch2	Activator	EUC	hill
212141543	212141543~FDA	are-bla_ratio	Activator	EUC	hill
212141543	212141543~FDA	are-bla_via	Activator	EUC	hill
21221181	21221181~FDA	are-bla_ch1	Inactive	cca	cnst
21221181	21221181~FDA	are-bla_ch2	Activator	cca	hill
21221181	21221181~FDA	are-bla_ratio	Activator	cca	hill
21221181	21221181~FDA	are-bla_via	Inactive	cca	cnst
2122863	2122863~EPA	are-bla_ch1	Repressor	cca	hill.inv
2122863	2122863~EPA	are-bla_ch2	Activator	cca	hill
2122863	2122863~EPA	are-bla_ratio	Activator	cca	hill
2122863	2122863~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
212631793	212631793~FDA	p53-bla_ch1	Repressor	cca	hill.inv
212631793	212631793~FDA	p53-bla_ch2	Activator	cca	hill
212631793	212631793~FDA	p53-bla_ratio	Activator	cca	hill
212631793	212631793~FDA	p53-bla_via	Repressor	cca	hill.inv
21416671	21416671~NTP	p53-bla_ch1	Repressor	cca	hill.inv
21416671	21416671~NTP	p53-bla_ch2	Activator	cca	hill
21416671	21416671~NTP	p53-bla_ratio	Activator	cca	hill
21416671	21416671~NTP	p53-bla_via	Inactive	cca	cnst
2144083	2144083~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2144083	2144083~FDA	ap1-agonist_ch2	Activator	EOC	hill
2144083	2144083~FDA	ap1-agonist_ratio	Activator	EOC	hill
2144083	2144083~FDA	ap1-agonist_via	Inactive	EOC	cnst
2144083	2144083~FDA	are-bla_ch1	Inactive	cca	cnst
2144083	2144083~FDA	are-bla_ch2	Activator	cca	hill
2144083	2144083~FDA	are-bla_ratio	Activator	cca	hill
2144083	2144083~FDA	are-bla_via	Inactive	cca	cnst
2152445	2152445~EPA	ap1-agonist_ch1	Inactive	cca	cnst
2152445	2152445~EPA	ap1-agonist_ch2	Activator	cca	hill
2152445	2152445~EPA	ap1-agonist_ratio	Activator	cca	hill
2152445	2152445~EPA	ap1-agonist_via	Inactive	cca	cnst
2152445	2152445~EPA	are-bla_ch1	Inactive	EUC	cnst
2152445	2152445~EPA	are-bla_ch2	Activator	EUC	hill
2152445	2152445~EPA	are-bla_ratio	Activator	EUC	hill
2152445	2152445~EPA	are-bla_via	Inactive	EUC	cnst
2155706	2155706~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
2155706	2155706~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
2155706	2155706~EPA	ap1-agonist_ratio	Activator	rfp	hill
2155706	2155706~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
2155706	2155706~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2155706	2155706~EPA	are-bla_ch2	Activator	EUC	gnls
2155706	2155706~EPA	are-bla_ratio	Activator	EUC	gnls
2155706	2155706~EPA	are-bla_via	Repressor	EUC	hill.inv
2155706	2155706~EPA	esre-bla_ch1	Complex	rfp	gnls
2155706	2155706~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
2155706	2155706~EPA	esre-bla_ratio	Activator	rfp	gnls.inv
2155706	2155706~EPA	esre-bla_via	Repressor	rfp	hill.inv
2155706	2155706~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2155706	2155706~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2155706	2155706~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2155706	2155706~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2155706	2155706~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
2155706	2155706~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
2155706	2155706~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
2155706	2155706~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
2155706	2155706~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2155706	2155706~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2155706	2155706~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2155706	2155706~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2155706	2155706~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2155706	2155706~EPA	p53-bla_ch2	Inactive	rfp	gnls.inv
2155706	2155706~EPA	p53-bla_ratio	Activator	rfp	hill
2155706	2155706~EPA	p53-bla_via	Repressor	rfp	hill.inv
215587	215587~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
215587	215587~NTP	ap1-agonist_ch2	Activator	cca	gnls
215587	215587~NTP	ap1-agonist_ratio	Activator	cca	gnls
215587	215587~NTP	ap1-agonist_via	Inactive	cca	cnst
215587	215587~NTP	are-bla_ch1	Repressor	cca	gnls.inv
215587	215587~NTP	are-bla_ch2	Activator	cca	gnls
215587	215587~NTP	are-bla_ratio	Activator	cca	gnls
215587	215587~NTP	are-bla_via	Inactive	cca	cnst
21564170	21564170~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
21564170	21564170~EPA	ap1-agonist_ch2	Activator	PUC	gnls
21564170	21564170~EPA	ap1-agonist_ratio	Activator	PUC	hill
21564170	21564170~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
21564170	21564170~EPA	are-bla_ch1	Activator	cca	hill
21564170	21564170~EPA	are-bla_ch2	Activator	cca	gnls
21564170	21564170~EPA	are-bla_ratio	Activator	cca	gnls
21564170	21564170~EPA	are-bla_via	Repressor	cca	hill.inv
21564170	21564170~EPA	esre-bla_ch1	Complex	EOC/PUC	gnls
21564170	21564170~EPA	esre-bla_ch2	Activator	EOC/PUC	gnls
21564170	21564170~EPA	esre-bla_ratio	Activator	EOC/PUC	hill
21564170	21564170~EPA	esre-bla_via	Repressor	EOC/PUC	hill.inv
21564170	21564170~EPA	hre-bla-agonist_ch1	Repressor	rfp	gnls.inv
21564170	21564170~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
21564170	21564170~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
21564170	21564170~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
21564170	21564170~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
21564170	21564170~EPA	hse-bla_ch2	Activator	EOC	hill
21564170	21564170~EPA	hse-bla_ratio	Activator	EOC	hill
21564170	21564170~EPA	hse-bla_via	Repressor	EOC	gnls.inv
21564170	21564170~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
21564170	21564170~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
21564170	21564170~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
21564170	21564170~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
21564170	21564170~EPA	p53-bla_ch1	Repressor	cca	hill.inv
21564170	21564170~EPA	p53-bla_ch2	Activator	cca	gnls
21564170	21564170~EPA	p53-bla_ratio	Activator	cca	hill
21564170	21564170~EPA	p53-bla_via	Inactive	cca	cnst
21609905	21609905~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
21609905	21609905~EPA	ap1-agonist_ch2	Activator	cca	hill
21609905	21609905~EPA	ap1-agonist_ratio	Activator	cca	hill
21609905	21609905~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
21609905	21609905~EPA	are-bla_ch1	Inactive	EUC	cnst
21609905	21609905~EPA	are-bla_ch2	Activator	EUC	gnls
21609905	21609905~EPA	are-bla_ratio	Activator	EUC	gnls
21609905	21609905~EPA	are-bla_via	Inactive	EUC	cnst
2164092	2164092~EPA	are-bla_ch1	Inactive	EUC	cnst
2164092	2164092~EPA	are-bla_ch2	Activator	EUC	hill
2164092	2164092~EPA	are-bla_ratio	Activator	EUC	gnls
2164092	2164092~EPA	are-bla_via	Inactive	EUC	cnst
2164092	2164092~NTP	are-bla_ch1	Repressor	cca	hill.inv
2164092	2164092~NTP	are-bla_ch2	Activator	cca	hill
2164092	2164092~NTP	are-bla_ratio	Activator	cca	hill
2164092	2164092~NTP	are-bla_via	Inactive	cca	cnst
21679141	21679141~FDA	are-bla_ch1	Inactive	cca	cnst
21679141	21679141~FDA	are-bla_ch2	Activator	cca	hill
21679141	21679141~FDA	are-bla_ratio	Activator	cca	hill
21679141	21679141~FDA	are-bla_via	Inactive	cca	cnst
21679141	21679141~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
21679141	21679141~FDA	p53-bla_ch2	Activator	EUC	hill
21679141	21679141~FDA	p53-bla_ratio	Activator	EUC	hill
21679141	21679141~FDA	p53-bla_via	Inactive	EUC	cnst
2169644	2169644~FDA	p53-bla_ch1	Repressor	cca	hill.inv
2169644	2169644~FDA	p53-bla_ch2	Activator	cca	hill
2169644	2169644~FDA	p53-bla_ratio	Activator	cca	hill
2169644	2169644~FDA	p53-bla_via	Inactive	cca	cnst
21739913	21739913~EPA	are-bla_ch1	Repressor	cca	gnls.inv
21739913	21739913~EPA	are-bla_ch2	Activator	cca	gnls
21739913	21739913~EPA	are-bla_ratio	Activator	cca	gnls
21739913	21739913~EPA	are-bla_via	Inactive	cca	cnst
21739913	21739913~EPA	p53-bla_ch1	Repressor	cca	hill.inv
21739913	21739913~EPA	p53-bla_ch2	Activator	cca	gnls
21739913	21739913~EPA	p53-bla_ratio	Activator	cca	gnls
21739913	21739913~EPA	p53-bla_via	Repressor	cca	hill.inv
2176627	2176627~EPA	are-bla_ch1	Inactive	cca	cnst
2176627	2176627~EPA	are-bla_ch2	Activator	cca	hill
2176627	2176627~EPA	are-bla_ratio	Activator	cca	hill
2176627	2176627~EPA	are-bla_via	Inactive	cca	cnst
2176627	2176627~NTP	are-bla_ch1	Repressor	cca	hill.inv
2176627	2176627~NTP	are-bla_ch2	Activator	cca	hill
2176627	2176627~NTP	are-bla_ratio	Activator	cca	hill
2176627	2176627~NTP	are-bla_via	Inactive	cca	cnst
2179375	2179375~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
2179375	2179375~FDA	ap1-agonist_ch2	Activator	cca	hill
2179375	2179375~FDA	ap1-agonist_ratio	Activator	cca	hill
2179375	2179375~FDA	ap1-agonist_via	Inactive	cca	cnst
21799871	21799871~EPA	are-bla_ch1	Repressor	cca	hill.inv
21799871	21799871~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
21799871	21799871~EPA	are-bla_ratio	Activator	cca	hill
21799871	21799871~EPA	are-bla_via	Inactive	cca	cnst
218019	218019~NTP	are-bla_ch1	Repressor	cca	hill.inv
218019	218019~NTP	are-bla_ch2	Activator	cca	hill
218019	218019~NTP	are-bla_ratio	Activator	cca	hill
218019	218019~NTP	are-bla_via	Inactive	cca	cnst
21829254	21829254~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
21829254	21829254~NTP	ap1-agonist_ch2	Activator	cca	gnls
21829254	21829254~NTP	ap1-agonist_ratio	Activator	cca	gnls
21829254	21829254~NTP	ap1-agonist_via	Repressor	cca	hill.inv
218600534	218600534~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
218600534	218600534~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
218600534	218600534~FDA	p53-bla_ratio	Activator	rfp	hill
218600534	218600534~FDA	p53-bla_via	Repressor	rfp	hill.inv
2198596	2198596~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
2198596	2198596~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
2198596	2198596~NTP	ap1-agonist_ratio	Activator	rfp	hill
2198596	2198596~NTP	ap1-agonist_via	Inactive	rfp	cnst
2198596	2198596~NTP	are-bla_ch1	Repressor	cca	hill.inv
2198596	2198596~NTP	are-bla_ch2	Activator	cca	gnls
2198596	2198596~NTP	are-bla_ratio	Activator	cca	hill
2198596	2198596~NTP	are-bla_via	Inactive	cca	cnst
219947930	219947930~NTP	are-bla_ch1	Repressor	cca	hill.inv
219947930	219947930~NTP	are-bla_ch2	Activator	cca	gnls
219947930	219947930~NTP	are-bla_ratio	Activator	cca	gnls
219947930	219947930~NTP	are-bla_via	Repressor	cca	hill.inv
219947930	219947930~NTP	esre-bla_ch1	Complex	rfn	gnls
219947930	219947930~NTP	esre-bla_ch2	Activator	rfn	gnls
219947930	219947930~NTP	esre-bla_ratio	Inactive	rfn	hill.inv
219947930	219947930~NTP	esre-bla_via	Repressor	rfn	hill.inv
219947930	219947930~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
219947930	219947930~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
219947930	219947930~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
219947930	219947930~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
219947930	219947930~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
219947930	219947930~NTP	hse-bla_ch2	Inactive	rfp	cnst
219947930	219947930~NTP	hse-bla_ratio	Activator	rfp	hill
219947930	219947930~NTP	hse-bla_via	Repressor	rfp	hill.inv
219947930	219947930~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
219947930	219947930~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
219947930	219947930~NTP	p53-bla_ratio	Activator	rfp	hill
219947930	219947930~NTP	p53-bla_via	Repressor	rfp	hill.inv
219947963	219947963~NTP	are-bla_ch1	Repressor	cca	hill.inv
219947963	219947963~NTP	are-bla_ch2	Activator	cca	gnls
219947963	219947963~NTP	are-bla_ratio	Activator	cca	gnls
219947963	219947963~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
219947963	219947963~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
219947963	219947963~NTP	p53-bla_ch2	Inactive	rfp	cnst
219947963	219947963~NTP	p53-bla_ratio	Activator	rfp	hill
219947963	219947963~NTP	p53-bla_via	Repressor	rfp	hill.inv
220127571	220127571~FDA	are-bla_ch1	Repressor	POC	hill.inv
220127571	220127571~FDA	are-bla_ch2	Activator	POC	hill
220127571	220127571~FDA	are-bla_ratio	Activator	POC	hill
220127571	220127571~FDA	are-bla_via	Inactive	POC	cnst
2201390	2201390~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
2201390	2201390~FDA	p53-bla_ch2	Inactive	rfp	cnst
2201390	2201390~FDA	p53-bla_ratio	Activator	rfp	hill
2201390	2201390~FDA	p53-bla_via	Repressor	rfp	hill.inv
220860504	220860504~EPA	are-bla_ch1	Repressor	cca	hill.inv
220860504	220860504~EPA	are-bla_ch2	Activator	cca	hill
220860504	220860504~EPA	are-bla_ratio	Activator	cca	hill
220860504	220860504~EPA	are-bla_via	Inactive	cca	cnst
221671621	221671621~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
221671621	221671621~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
221671621	221671621~EPA	ap1-agonist_ratio	Activator	rfp	gnls
221671621	221671621~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
221671621	221671621~EPA	esre-bla_ch1	Activator	rfp	hill
221671621	221671621~EPA	esre-bla_ch2	Inactive	rfp	cnst
221671621	221671621~EPA	esre-bla_ratio	Activator	rfp	hill
221671621	221671621~EPA	esre-bla_via	Repressor	rfp	hill.inv
221671621	221671621~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
221671621	221671621~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
221671621	221671621~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
221671621	221671621~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
221671621	221671621~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
221671621	221671621~EPA	hse-bla_ch2	Activator	EOC	hill
221671621	221671621~EPA	hse-bla_ratio	Activator	EOC	hill
221671621	221671621~EPA	hse-bla_via	Repressor	EOC	hill.inv
221671621	221671621~EPA	p53-bla_ch1	Repressor	rfp	gnls.inv
221671621	221671621~EPA	p53-bla_ch2	Inactive	rfp	gnls.inv
221671621	221671621~EPA	p53-bla_ratio	Activator	rfp	gnls
221671621	221671621~EPA	p53-bla_via	Repressor	rfp	hill.inv
2217449	2217449~FDA	are-bla_ch1	Activator	EUC	hill
2217449	2217449~FDA	are-bla_ch2	Activator	EUC	gnls
2217449	2217449~FDA	are-bla_ratio	Activator	EUC	gnls
2217449	2217449~FDA	are-bla_via	Inactive	EUC	cnst
2217449	2217449~FDA	p53-bla_ch1	Repressor	rfp	gnls.inv
2217449	2217449~FDA	p53-bla_ch2	Inactive	rfp	cnst
2217449	2217449~FDA	p53-bla_ratio	Activator	rfp	gnls
2217449	2217449~FDA	p53-bla_via	Repressor	rfp	hill.inv
2224159	2224159~EPA	are-bla_ch1	Repressor	cca	hill.inv
2224159	2224159~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
2224159	2224159~EPA	are-bla_ratio	Activator	cca	hill
2224159	2224159~EPA	are-bla_via	Inactive	cca	cnst
22248799	22248799~EPA	are-bla_ch1	Repressor	EOC	hill.inv
22248799	22248799~EPA	are-bla_ch2	Activator	EOC	hill
22248799	22248799~EPA	are-bla_ratio	Activator	EOC	hill
22248799	22248799~EPA	are-bla_via	Inactive	EOC	cnst
22248799	22248799~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
22248799	22248799~EPA	hre-bla-agonist_ch2	Activator	cca	hill
22248799	22248799~EPA	hre-bla-agonist_ratio	Activator	cca	hill
22248799	22248799~EPA	hre-bla-agonist_via	Inactive	cca	cnst
22260511	22260511~EPA	are-bla_ch1	Repressor	cca	hill.inv
22260511	22260511~EPA	are-bla_ch2	Activator	cca	gnls
22260511	22260511~EPA	are-bla_ratio	Activator	cca	gnls
22260511	22260511~EPA	are-bla_via	Inactive	cca	cnst
2231574	2231574~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2231574	2231574~EPA	ap1-agonist_ch2	Activator	EOC	hill
2231574	2231574~EPA	ap1-agonist_ratio	Activator	EOC	hill
2231574	2231574~EPA	ap1-agonist_via	Inactive	EOC	cnst
2231574	2231574~EPA	hse-bla_ch1	Repressor	EUC	hill.inv
2231574	2231574~EPA	hse-bla_ch2	Activator	EUC	gnls
2231574	2231574~EPA	hse-bla_ratio	Activator	EUC	hill
2231574	2231574~EPA	hse-bla_via	Inactive	EUC	cnst
2231574	2231574~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2231574	2231574~NTP	ap1-agonist_ch2	Activator	cca	hill
2231574	2231574~NTP	ap1-agonist_ratio	Activator	cca	hill
2231574	2231574~NTP	ap1-agonist_via	Inactive	cca	cnst
2231574	2231574~NTP	are-bla_ch1	Inactive	cca	cnst
2231574	2231574~NTP	are-bla_ch2	Activator	cca	hill
2231574	2231574~NTP	are-bla_ratio	Activator	cca	hill
2231574	2231574~NTP	are-bla_via	Inactive	cca	cnst
2231574	2231574~NTP	hse-bla_ch1	Repressor	cca	hill.inv
2231574	2231574~NTP	hse-bla_ch2	Activator	cca	gnls
2231574	2231574~NTP	hse-bla_ratio	Activator	cca	gnls
2231574	2231574~NTP	hse-bla_via	Inactive	cca	cnst
2235543	2235543~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2235543	2235543~NTP	ap1-agonist_ch2	Activator	cca	gnls
2235543	2235543~NTP	ap1-agonist_ratio	Activator	cca	gnls
2235543	2235543~NTP	ap1-agonist_via	Repressor	cca	hill.inv
2235543	2235543~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
2235543	2235543~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
2235543	2235543~NTP	p53-bla_ratio	Activator	rfp	hill
2235543	2235543~NTP	p53-bla_via	Repressor	rfp	hill.inv
2243610	2243610~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2243610	2243610~NTP	ap1-agonist_ch2	Activator	cca	gnls
2243610	2243610~NTP	ap1-agonist_ratio	Activator	cca	gnls
2243610	2243610~NTP	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
2243610	2243610~NTP	are-bla_ch1	Repressor	cca	hill.inv
2243610	2243610~NTP	are-bla_ch2	Activator	cca	gnls
2243610	2243610~NTP	are-bla_ratio	Activator	cca	gnls
2243610	2243610~NTP	are-bla_via	Repressor	cca	hill.inv
2243610	2243610~NTP	esre-bla_ch1	Activator	rfn	hill
2243610	2243610~NTP	esre-bla_ch2	Activator	rfn	gnls
2243610	2243610~NTP	esre-bla_ratio	Inactive	rfn	hill.inv
2243610	2243610~NTP	esre-bla_via	Repressor	rfn	hill.inv
2243610	2243610~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2243610	2243610~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
2243610	2243610~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
2243610	2243610~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
2243610	2243610~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
2243610	2243610~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
2243610	2243610~NTP	p53-bla_ratio	Activator	rfp	hill
2243610	2243610~NTP	p53-bla_via	Repressor	rfp	hill.inv
2243621	2243621~EPA	are-bla_ch1	Inactive	cca	cnst
2243621	2243621~EPA	are-bla_ch2	Activator	cca	hill
2243621	2243621~EPA	are-bla_ratio	Activator	cca	hill
2243621	2243621~EPA	are-bla_via	Inactive	cca	cnst
2243621	2243621~FDA	are-bla_ch1	Repressor	cca	hill.inv
2243621	2243621~FDA	are-bla_ch2	Activator	cca	hill
2243621	2243621~FDA	are-bla_ratio	Activator	cca	hill
2243621	2243621~FDA	are-bla_via	Inactive	cca	cnst
2243621	2243621~NTP	are-bla_ch1	Inactive	cca	cnst
2243621	2243621~NTP	are-bla_ch2	Activator	cca	hill
2243621	2243621~NTP	are-bla_ratio	Activator	cca	hill
2243621	2243621~NTP	are-bla_via	Inactive	cca	cnst
2243767	2243767~NTP	are-bla_ch1	Repressor	cca	hill.inv
2243767	2243767~NTP	are-bla_ch2	Activator	cca	hill
2243767	2243767~NTP	are-bla_ratio	Activator	cca	hill
2243767	2243767~NTP	are-bla_via	Inactive	cca	cnst
22494424	22494424~FDA	are-bla_ch1	Inactive	cca	cnst
22494424	22494424~FDA	are-bla_ch2	Activator	cca	hill
22494424	22494424~FDA	are-bla_ratio	Activator	cca	hill
22494424	22494424~FDA	are-bla_via	Inactive	cca	cnst
2257092	2257092~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2257092	2257092~NTP	ap1-agonist_ch2	Activator	cca	hill
2257092	2257092~NTP	ap1-agonist_ratio	Activator	cca	hill
2257092	2257092~NTP	ap1-agonist_via	Inactive	cca	cnst
2257092	2257092~NTP	are-bla_ch1	Activator	cca	hill
2257092	2257092~NTP	are-bla_ch2	Activator	cca	gnls
2257092	2257092~NTP	are-bla_ratio	Activator	cca	gnls
2257092	2257092~NTP	are-bla_via	Inactive	cca	cnst
2259850	2259850~FDA	p53-bla_ch1	Inactive	cca	cnst
2259850	2259850~FDA	p53-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
2259850	2259850~FDA	p53-bla_ratio	Activator	cca	hill
2259850	2259850~FDA	p53-bla_via	Inactive	cca	cnst
22662391	22662391~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
22662391	22662391~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
22662391	22662391~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
22662391	22662391~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
22662391	22662391~FDA	p53-bla_ch1	Repressor	cca	hill.inv
22662391	22662391~FDA	p53-bla_ch2	Activator	cca	gnls
22662391	22662391~FDA	p53-bla_ratio	Activator	cca	hill
22662391	22662391~FDA	p53-bla_via	Repressor	cca	hill.inv
22694968	22694968~EPA	are-bla_ch1	Inactive	EUC	cnst
22694968	22694968~EPA	are-bla_ch2	Activator	EUC	hill
22694968	22694968~EPA	are-bla_ratio	Activator	EUC	hill
22694968	22694968~EPA	are-bla_via	Inactive	EUC	cnst
22733604	22733604~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
22733604	22733604~FDA	p53-bla_ch2	Inactive	rfp	cnst
22733604	22733604~FDA	p53-bla_ratio	Activator	rfp	hill
22733604	22733604~FDA	p53-bla_via	Repressor	rfp	hill.inv
2274115	2274115~EPA	are-bla_ch1	Repressor	cca	hill.inv
2274115	2274115~EPA	are-bla_ch2	Activator	cca	hill
2274115	2274115~EPA	are-bla_ratio	Activator	cca	hill
2274115	2274115~EPA	are-bla_via	Inactive	cca	cnst
2274115	2274115~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2274115	2274115~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2274115	2274115~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2274115	2274115~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
2274115	2274115~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
2274115	2274115~EPA	hse-bla_ch2	Inactive	rfp	cnst
2274115	2274115~EPA	hse-bla_ratio	Activator	rfp	hill
2274115	2274115~EPA	hse-bla_via	Repressor	rfp	hill.inv
227617701	227617701~NTP	are-bla_ch1	Inactive	cca	cnst
227617701	227617701~NTP	are-bla_ch2	Activator	cca	hill
227617701	227617701~NTP	are-bla_ratio	Activator	cca	hill
227617701	227617701~NTP	are-bla_via	Inactive	cca	cnst
22781233	22781233~EPA	are-bla_ch1	Inactive	cca	cnst
22781233	22781233~EPA	are-bla_ch2	Activator	cca	hill
22781233	22781233~EPA	are-bla_ratio	Activator	cca	hill
22781233	22781233~EPA	are-bla_via	Inactive	cca	cnst
22888706	22888706~NTP	are-bla_ch1	Activator	rfn	hill
22888706	22888706~NTP	are-bla_ch2	Activator	rfn	hill
22888706	22888706~NTP	are-bla_ratio	Inactive	rfn	cnst
22888706	22888706~NTP	are-bla_via	Inactive	rfn	cnst
22978252	22978252~EPA	are-bla_ch1	Repressor	cca	hill.inv
22978252	22978252~EPA	are-bla_ch2	Activator	cca	hill
22978252	22978252~EPA	are-bla_ratio	Activator	cca	hill
22978252	22978252~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
23031369	23031369~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
23031369	23031369~EPA	ap1-agonist_ch2	Activator	cca	hill
23031369	23031369~EPA	ap1-agonist_ratio	Activator	cca	hill
23031369	23031369~EPA	ap1-agonist_via	Inactive	cca	cnst
23031369	23031369~EPA	are-bla_ch1	Inactive	cca	cnst
23031369	23031369~EPA	are-bla_ch2	Activator	cca	hill
23031369	23031369~EPA	are-bla_ratio	Activator	cca	hill
23031369	23031369~EPA	are-bla_via	Inactive	cca	cnst
2303175	2303175~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
2303175	2303175~EPA	ap1-agonist_ch2	Activator	cca	hill
2303175	2303175~EPA	ap1-agonist_ratio	Activator	cca	hill
2303175	2303175~EPA	ap1-agonist_via	Inactive	cca	cnst
2304305	2304305~NTP	are-bla_ch1	Inactive	cca	cnst
2304305	2304305~NTP	are-bla_ch2	Activator	cca	hill
2304305	2304305~NTP	are-bla_ratio	Activator	cca	hill
2304305	2304305~NTP	are-bla_via	Inactive	cca	cnst
23089261	23089261~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
23089261	23089261~EPA	ap1-agonist_ch2	Activator	EOC	hill
23089261	23089261~EPA	ap1-agonist_ratio	Activator	EOC	hill
23089261	23089261~EPA	ap1-agonist_via	Inactive	EOC	cnst
2310170	2310170~EPA	are-bla_ch1	Repressor	EOC	hill.inv
2310170	2310170~EPA	are-bla_ch2	Activator	EOC	gnls
2310170	2310170~EPA	are-bla_ratio	Activator	EOC	gnls
2310170	2310170~EPA	are-bla_via	Inactive	EOC	cnst
2310170	2310170~EPA	p53-bla_ch1	Inactive	rfn	cnst
2310170	2310170~EPA	p53-bla_ch2	Activator	rfn	hill
2310170	2310170~EPA	p53-bla_ratio	Inactive	rfn	cnst
2310170	2310170~EPA	p53-bla_via	Inactive	rfn	cnst
2310170	2310170~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2310170	2310170~NTP	ap1-agonist_ch2	Activator	cca	hill
2310170	2310170~NTP	ap1-agonist_ratio	Activator	cca	hill
2310170	2310170~NTP	ap1-agonist_via	Inactive	cca	cnst
2310170	2310170~NTP	are-bla_ch1	Inactive	cca	cnst
2310170	2310170~NTP	are-bla_ch2	Activator	cca	gnls
2310170	2310170~NTP	are-bla_ratio	Activator	cca	gnls
2310170	2310170~NTP	are-bla_via	Inactive	cca	cnst
23110158	23110158~EPA	are-bla_ch1	Repressor	cca	hill.inv
23110158	23110158~EPA	are-bla_ch2	Activator	cca	hill
23110158	23110158~EPA	are-bla_ratio	Activator	cca	hill
23110158	23110158~EPA	are-bla_via	Inactive	cca	cnst
2312358	2312358~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2312358	2312358~EPA	are-bla_ch2	Activator	EUC	gnls
2312358	2312358~EPA	are-bla_ratio	Activator	EUC	gnls
2312358	2312358~EPA	are-bla_via	Inactive	EUC	cnst
2312358	2312358~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2312358	2312358~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2312358	2312358~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2312358	2312358~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2312358	2312358~NTP	are-bla_ch1	Repressor	cca	hill.inv
2312358	2312358~NTP	are-bla_ch2	Activator	cca	hill
2312358	2312358~NTP	are-bla_ratio	Activator	cca	hill
2312358	2312358~NTP	are-bla_via	Inactive	cca	cnst
2312358	2312358~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2312358	2312358~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
2312358	2312358~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
2312358	2312358~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
231277922	231277922~FDA	are-bla_ch1	Inactive	cca	cnst
231277922	231277922~FDA	are-bla_ch2	Activator	cca	hill
231277922	231277922~FDA	are-bla_ratio	Activator	cca	gnls
231277922	231277922~FDA	are-bla_via	Repressor	cca	hill.inv
231277922	231277922~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
231277922	231277922~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
231277922	231277922~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
231277922	231277922~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
231277922	231277922~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
231277922	231277922~FDA	hse-bla_ch2	Activator	EOC	hill
231277922	231277922~FDA	hse-bla_ratio	Activator	EOC	hill
231277922	231277922~FDA	hse-bla_via	Repressor	EOC	hill.inv
23184669	23184669~EPA	are-bla_ch1	Repressor	cca	hill.inv
23184669	23184669~EPA	are-bla_ch2	Activator	cca	gnls
23184669	23184669~EPA	are-bla_ratio	Activator	cca	hill
23184669	23184669~EPA	are-bla_via	Repressor	cca	hill.inv
23184669	23184669~EPA	hse-bla_ch1	Repressor	cca	hill.inv
23184669	23184669~EPA	hse-bla_ch2	Activator	cca	hill
23184669	23184669~EPA	hse-bla_ratio	Activator	cca	hill
23184669	23184669~EPA	hse-bla_via	Inactive	cca	cnst
2321075	2321075~EPA	are-bla_ch1	Activator	rfn	hill
2321075	2321075~EPA	are-bla_ch2	Activator	rfn	hill
2321075	2321075~EPA	are-bla_ratio	Inactive	rfn	hill.inv
2321075	2321075~EPA	are-bla_via	Inactive	rfn	cnst
23422539	23422539~EPA	are-bla_ch1	Inactive	cca	cnst
23422539	23422539~EPA	are-bla_ch2	Activator	cca	hill
23422539	23422539~EPA	are-bla_ratio	Activator	cca	hill
23422539	23422539~EPA	are-bla_via	Inactive	cca	cnst
23432624	23432624~EPA	are-bla_ch1	Inactive	cca	cnst
23432624	23432624~EPA	are-bla_ch2	Activator	cca	hill
23432624	23432624~EPA	are-bla_ratio	Activator	cca	hill
23432624	23432624~EPA	are-bla_via	Inactive	cca	cnst
23505411	23505411~EPA	ap1-agonist_ch1	Inactive	cca	cnst
23505411	23505411~EPA	ap1-agonist_ch2	Activator	cca	hill
23505411	23505411~EPA	ap1-agonist_ratio	Activator	cca	hill
23505411	23505411~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2353335	2353335~FDA	p53-bla_ch1	Inactive	cca	cnst
2353335	2353335~FDA	p53-bla_ch2	Activator	cca	hill
2353335	2353335~FDA	p53-bla_ratio	Activator	cca	hill
2353335	2353335~FDA	p53-bla_via	Inactive	cca	cnst
23541506	23541506~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
23541506	23541506~NTP	ap1-agonist_ch2	Activator	cca	gnls
23541506	23541506~NTP	ap1-agonist_ratio	Activator	cca	gnls
23541506	23541506~NTP	ap1-agonist_via	Inactive	cca	cnst
23541506	23541506~NTP	are-bla_ch1	Repressor	cca	hill.inv
23541506	23541506~NTP	are-bla_ch2	Activator	cca	gnls
23541506	23541506~NTP	are-bla_ratio	Activator	cca	gnls
23541506	23541506~NTP	are-bla_via	Repressor	cca	hill.inv
23541506	23541506~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
23541506	23541506~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
23541506	23541506~NTP	hre-bla-agonist_ratio	Activator	cca	hill
23541506	23541506~NTP	hre-bla-agonist_via	Repressor	cca	hill.inv
23541506	23541506~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
23541506	23541506~NTP	hse-bla_ch2	Inactive	rfp	cnst
23541506	23541506~NTP	hse-bla_ratio	Activator	rfp	hill
23541506	23541506~NTP	hse-bla_via	Repressor	rfp	hill.inv
23541506	23541506~NTP	nfkb-bla-agonist_ch1	Repressor	rfn	hill.inv
23541506	23541506~NTP	nfkb-bla-agonist_ch2	Activator	rfn	gnls
23541506	23541506~NTP	nfkb-bla-agonist_ratio	Inactive	rfn	cnst
23541506	23541506~NTP	nfkb-bla-agonist_via	Inactive	rfn	cnst
23541506	23541506~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
23541506	23541506~NTP	p53-bla_ch2	Activator	EOC	gnls
23541506	23541506~NTP	p53-bla_ratio	Activator	EOC	gnls
23541506	23541506~NTP	p53-bla_via	Repressor	EOC	hill.inv
23564058	23564058~NTP	are-bla_ch1	Inactive	EUC	cnst
23564058	23564058~NTP	are-bla_ch2	Activator	EUC	hill
23564058	23564058~NTP	are-bla_ratio	Activator	EUC	hill
23564058	23564058~NTP	are-bla_via	Inactive	EUC	cnst
23564069	23564069~EPA	p53-bla_ch1	Inactive	cca	cnst
23564069	23564069~EPA	p53-bla_ch2	Activator	cca	hill
23564069	23564069~EPA	p53-bla_ratio	Activator	cca	hill
23564069	23564069~EPA	p53-bla_via	Inactive	cca	cnst
23593751	23593751~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
23593751	23593751~EPA	ap1-agonist_ch2	Activator	EOC	gnls
23593751	23593751~EPA	ap1-agonist_ratio	Activator	EOC	hill
23593751	23593751~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
23593751	23593751~EPA	are-bla_ch1	Repressor	cca	hill.inv
23593751	23593751~EPA	are-bla_ch2	Activator	cca	gnls
23593751	23593751~EPA	are-bla_ratio	Activator	cca	gnls
23593751	23593751~EPA	are-bla_via	Repressor	cca	hill.inv
23593751	23593751~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
23593751	23593751~EPA	esre-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
23593751	23593751~EPA	esre-bla_ratio	Activator	rfp	hill
23593751	23593751~EPA	esre-bla_via	Repressor	rfp	hill.inv
23593751	23593751~EPA	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
23593751	23593751~EPA	hre-bla-agonist_ch2	Activator	EOC	hill
23593751	23593751~EPA	hre-bla-agonist_ratio	Activator	EOC	hill
23593751	23593751~EPA	hre-bla-agonist_via	Repressor	EOC	hill.inv
23593751	23593751~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
23593751	23593751~EPA	hse-bla_ch2	Activator	PUC	gnls
23593751	23593751~EPA	hse-bla_ratio	Activator	PUC	hill
23593751	23593751~EPA	hse-bla_via	Repressor	PUC	hill.inv
23593751	23593751~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
23593751	23593751~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
23593751	23593751~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
23593751	23593751~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
23593751	23593751~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
23593751	23593751~EPA	p53-bla_ch2	Inactive	rfp	cnst
23593751	23593751~EPA	p53-bla_ratio	Activator	rfp	hill
23593751	23593751~EPA	p53-bla_via	Repressor	rfp	hill.inv
23593751	23593751~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
23593751	23593751~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
23593751	23593751~FDA	ap1-agonist_ratio	Activator	rfp	hill
23593751	23593751~FDA	ap1-agonist_via	Inactive	rfp	cnst
23593751	23593751~FDA	are-bla_ch1	Repressor	cca	hill.inv
23593751	23593751~FDA	are-bla_ch2	Activator	cca	gnls
23593751	23593751~FDA	are-bla_ratio	Activator	cca	gnls
23593751	23593751~FDA	are-bla_via	Repressor	cca	hill.inv
23593751	23593751~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
23593751	23593751~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
23593751	23593751~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
23593751	23593751~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
23593751	23593751~FDA	hse-bla_ch1	Repressor	cca	hill.inv
23593751	23593751~FDA	hse-bla_ch2	Activator	cca	hill
23593751	23593751~FDA	hse-bla_ratio	Activator	cca	hill
23593751	23593751~FDA	hse-bla_via	Inactive	cca	cnst
23642662	23642662~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
23642662	23642662~FDA	ap1-agonist_ch2	Activator	EOC	hill
23642662	23642662~FDA	ap1-agonist_ratio	Activator	EOC	hill
23642662	23642662~FDA	ap1-agonist_via	Inactive	EOC	cnst
2365482	2365482~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
2365482	2365482~NTP	ap1-agonist_ch2	Activator	EOC	hill
2365482	2365482~NTP	ap1-agonist_ratio	Activator	EOC	hill
2365482	2365482~NTP	ap1-agonist_via	Inactive	EOC	cnst
23779999	23779999~FDA	are-bla_ch1	Inactive	cca	cnst
23779999	23779999~FDA	are-bla_ch2	Activator	cca	hill
23779999	23779999~FDA	are-bla_ratio	Activator	cca	hill
23779999	23779999~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2380941	2380941~FDA	are-bla_ch1	Inactive	cca	cnst
2380941	2380941~FDA	are-bla_ch2	Activator	cca	hill
2380941	2380941~FDA	are-bla_ratio	Activator	cca	hill
2380941	2380941~FDA	are-bla_via	Inactive	cca	cnst
2380941	2380941~FDA	esre-bla_ch1	Inactive	cca	cnst
2380941	2380941~FDA	esre-bla_ch2	Activator	cca	hill
2380941	2380941~FDA	esre-bla_ratio	Activator	cca	hill
2380941	2380941~FDA	esre-bla_via	Inactive	cca	cnst
23847087	23847087~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
23847087	23847087~EPA	ap1-agonist_ch2	Activator	cca	gnls
23847087	23847087~EPA	ap1-agonist_ratio	Activator	cca	gnls
23847087	23847087~EPA	ap1-agonist_via	Inactive	cca	cnst
23847087	23847087~EPA	hse-bla_ch1	Inactive	cca	cnst
23847087	23847087~EPA	hse-bla_ch2	Activator	cca	gnls
23847087	23847087~EPA	hse-bla_ratio	Activator	cca	gnls
23847087	23847087~EPA	hse-bla_via	Inactive	cca	cnst
2385855	2385855~EPA	are-bla_ch1	Inactive	cca	cnst
2385855	2385855~EPA	are-bla_ch2	Activator	cca	gnls
2385855	2385855~EPA	are-bla_ratio	Activator	cca	hill
2385855	2385855~EPA	are-bla_via	Inactive	cca	cnst
2390605	2390605~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2390605	2390605~EPA	ap1-agonist_ch2	Activator	EOC	gnls
2390605	2390605~EPA	ap1-agonist_ratio	Activator	EOC	gnls
2390605	2390605~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
2390605	2390605~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
2390605	2390605~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
2390605	2390605~EPA	esre-bla_ratio	Activator	rfp	hill
2390605	2390605~EPA	esre-bla_via	Repressor	rfp	hill.inv
2390605	2390605~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2390605	2390605~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
2390605	2390605~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2390605	2390605~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2390605	2390605~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
2390605	2390605~EPA	hse-bla_ch2	Activator	EOC	gnls
2390605	2390605~EPA	hse-bla_ratio	Activator	EOC	hill
2390605	2390605~EPA	hse-bla_via	Repressor	EOC	hill.inv
2390605	2390605~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2390605	2390605~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2390605	2390605~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2390605	2390605~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2390605	2390605~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2390605	2390605~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
2390605	2390605~EPA	p53-bla_ratio	Activator	rfp	hill
2390605	2390605~EPA	p53-bla_via	Repressor	rfp	hill.inv
2390683	2390683~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
2390683	2390683~FDA	p53-bla_ch2	Inactive	rfp	hill.inv



CAS	CASlib	endpoint	activity	call.type	win.mdl
2390683	2390683~FDA	p53-bla_ratio	Activator	rfp	hill
2390683	2390683~FDA	p53-bla_via	Repressor	rfp	hill.inv
23906970	23906970~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
23906970	23906970~NTP	ap1-agonist_ch2	Activator	EOC	gnls
23906970	23906970~NTP	ap1-agonist_ratio	Activator	EOC	gnls
23906970	23906970~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
23906970	23906970~NTP	are-bla_ch1	Repressor	cca	hill.inv
23906970	23906970~NTP	are-bla_ch2	Activator	cca	gnls
23906970	23906970~NTP	are-bla_ratio	Activator	cca	gnls
23906970	23906970~NTP	are-bla_via	Repressor	cca	hill.inv
23906970	23906970~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
23906970	23906970~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
23906970	23906970~NTP	esre-bla_ratio	Activator	rfp	hill
23906970	23906970~NTP	esre-bla_via	Repressor	rfp	hill.inv
23906970	23906970~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
23906970	23906970~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
23906970	23906970~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
23906970	23906970~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
23906970	23906970~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
23906970	23906970~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
23906970	23906970~NTP	hse-bla_ratio	Activator	rfp	gnls
23906970	23906970~NTP	hse-bla_via	Repressor	rfp	hill.inv
23906970	23906970~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
23906970	23906970~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
23906970	23906970~NTP	nfkb-bla-agonist_ratio	Activator	rfp	gnls
23906970	23906970~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
23906970	23906970~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
23906970	23906970~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
23906970	23906970~NTP	p53-bla_ratio	Activator	rfp	hill
23906970	23906970~NTP	p53-bla_via	Repressor	rfp	hill.inv
23950585	23950585~EPA	are-bla_ch1	Inactive	rfn	cnst
23950585	23950585~EPA	are-bla_ch2	Activator	rfn	hill
23950585	23950585~EPA	are-bla_ratio	Inactive	rfn	cnst
23950585	23950585~EPA	are-bla_via	Inactive	rfn	cnst
2398961	2398961~EPA	are-bla_ch1	Inactive	POC	cnst
2398961	2398961~EPA	are-bla_ch2	Activator	POC	hill
2398961	2398961~EPA	are-bla_ratio	Activator	POC	hill
2398961	2398961~EPA	are-bla_via	Inactive	POC	cnst
2398961	2398961~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2398961	2398961~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2398961	2398961~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2398961	2398961~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
2398961	2398961~FDA	are-bla_ch1	Inactive	cca	cnst
2398961	2398961~FDA	are-bla_ch2	Activator	cca	hill
2398961	2398961~FDA	are-bla_ratio	Activator	cca	hill
2398961	2398961~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
24038684	24038684~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
24038684	24038684~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
24038684	24038684~NTP	ap1-agonist_ratio	Activator	rfp	hill
24038684	24038684~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
24038684	24038684~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
24038684	24038684~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
24038684	24038684~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
24038684	24038684~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
2409554	2409554~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2409554	2409554~EPA	ap1-agonist_ch2	Activator	EOC	hill
2409554	2409554~EPA	ap1-agonist_ratio	Activator	EOC	hill
2409554	2409554~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
2409554	2409554~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
2409554	2409554~NTP	ap1-agonist_ch2	Activator	EOC	hill
2409554	2409554~NTP	ap1-agonist_ratio	Activator	EOC	hill
2409554	2409554~NTP	ap1-agonist_via	Inactive	EOC	cnst
2409554	2409554~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
2409554	2409554~NTP	p53-bla_ch2	Inactive	rfp	cnst
2409554	2409554~NTP	p53-bla_ratio	Activator	rfp	hill
2409554	2409554~NTP	p53-bla_via	Inactive	rfp	cnst
24140305	24140305~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
24140305	24140305~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
24140305	24140305~NTP	ap1-agonist_ratio	Activator	rfp	hill
24140305	24140305~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
24140305	24140305~NTP	are-bla_ch1	Inactive	EUC	cnst
24140305	24140305~NTP	are-bla_ch2	Activator	EUC	hill
24140305	24140305~NTP	are-bla_ratio	Activator	EUC	hill
24140305	24140305~NTP	are-bla_via	Inactive	EUC	cnst
24169026	24169026~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
24169026	24169026~EPA	ap1-agonist_ch2	Activator	EOC	gnls
24169026	24169026~EPA	ap1-agonist_ratio	Activator	EOC	gnls
24169026	24169026~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
24169026	24169026~EPA	are-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~EPA	are-bla_ch2	Inactive	rfp	hill.inv
24169026	24169026~EPA	are-bla_ratio	Activator	rfp	hill
24169026	24169026~EPA	are-bla_via	Repressor	rfp	hill.inv
24169026	24169026~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~EPA	esre-bla_ch2	Inactive	rfp	cnst
24169026	24169026~EPA	esre-bla_ratio	Activator	rfp	hill
24169026	24169026~EPA	esre-bla_via	Repressor	rfp	hill.inv
24169026	24169026~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
24169026	24169026~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
24169026	24169026~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
24169026	24169026~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
24169026	24169026~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
24169026	24169026~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
24169026	24169026~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
24169026	24169026~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
24169026	24169026~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
24169026	24169026~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
24169026	24169026~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~EPA	p53-bla_ch2	Inactive	rfp	cnst
24169026	24169026~EPA	p53-bla_ratio	Activator	rfp	hill
24169026	24169026~EPA	p53-bla_via	Repressor	rfp	hill.inv
24169026	24169026~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
24169026	24169026~FDA	ap1-agonist_ratio	Activator	rfp	gnls
24169026	24169026~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
24169026	24169026~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
24169026	24169026~FDA	esre-bla_ratio	Activator	rfp	hill
24169026	24169026~FDA	esre-bla_via	Repressor	rfp	hill.inv
24169026	24169026~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
24169026	24169026~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
24169026	24169026~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
24169026	24169026~FDA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
24169026	24169026~FDA	hse-bla_ch2	Activator	EOC/PUC	gnls
24169026	24169026~FDA	hse-bla_ratio	Activator	EOC/PUC	hill
24169026	24169026~FDA	hse-bla_via	Repressor	EOC/PUC	hill.inv
24169026	24169026~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
24169026	24169026~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
24169026	24169026~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
24169026	24169026~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~FDA	p53-bla_ch2	Inactive	rfp	cnst
24169026	24169026~FDA	p53-bla_ratio	Activator	rfp	hill
24169026	24169026~FDA	p53-bla_via	Repressor	rfp	hill.inv
24169026	24169026~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
24169026	24169026~NTP	ap1-agonist_ch2	Activator	EOC	gnls
24169026	24169026~NTP	ap1-agonist_ratio	Activator	EOC	gnls
24169026	24169026~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
24169026	24169026~NTP	are-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~NTP	are-bla_ch2	Inactive	rfp	hill.inv
24169026	24169026~NTP	are-bla_ratio	Activator	rfp	gnls
24169026	24169026~NTP	are-bla_via	Repressor	rfp	hill.inv
24169026	24169026~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
24169026	24169026~NTP	esre-bla_ratio	Activator	rfp	hill
24169026	24169026~NTP	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
24169026	24169026~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
24169026	24169026~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
24169026	24169026~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
24169026	24169026~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
24169026	24169026~NTP	hse-bla_ch2	Activator	EOC	gnls
24169026	24169026~NTP	hse-bla_ratio	Activator	EOC	hill
24169026	24169026~NTP	hse-bla_via	Repressor	EOC	hill.inv
24169026	24169026~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
24169026	24169026~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
24169026	24169026~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
24169026	24169026~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
24169026	24169026~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
24169026	24169026~NTP	p53-bla_ch2	Inactive	rfp	cnst
24169026	24169026~NTP	p53-bla_ratio	Activator	rfp	hill
24169026	24169026~NTP	p53-bla_via	Repressor	rfp	hill.inv
2420873	2420873~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
2420873	2420873~EPA	esre-bla_ch2	Inactive	rfp	cnst
2420873	2420873~EPA	esre-bla_ratio	Activator	rfp	hill
2420873	2420873~EPA	esre-bla_via	Repressor	rfp	hill.inv
2420873	2420873~EPA	hse-bla_ch1	Repressor	cca	hill.inv
2420873	2420873~EPA	hse-bla_ch2	Activator	cca	gnls
2420873	2420873~EPA	hse-bla_ratio	Activator	cca	gnls
2420873	2420873~EPA	hse-bla_via	Repressor	cca	hill.inv
24219974	24219974~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
24219974	24219974~FDA	ap1-agonist_ch2	Activator	cca	hill
24219974	24219974~FDA	ap1-agonist_ratio	Activator	cca	hill
24219974	24219974~FDA	ap1-agonist_via	Inactive	cca	cnst
24237545	24237545~FDA	are-bla_ch1	Inactive	cca	cnst
24237545	24237545~FDA	are-bla_ch2	Activator	cca	hill
24237545	24237545~FDA	are-bla_ratio	Activator	cca	hill
24237545	24237545~FDA	are-bla_via	Inactive	cca	cnst
2425061	2425061~EPA	ap1-agonist_ch1	Repressor	PUC	gnls.inv
2425061	2425061~EPA	ap1-agonist_ch2	Activator	PUC	gnls
2425061	2425061~EPA	ap1-agonist_ratio	Activator	PUC	gnls
2425061	2425061~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
2425061	2425061~EPA	are-bla_ch1	Repressor	rfp	hill.inv
2425061	2425061~EPA	are-bla_ch2	Inactive	rfp	hill.inv
2425061	2425061~EPA	are-bla_ratio	Activator	rfp	gnls
2425061	2425061~EPA	are-bla_via	Repressor	rfp	hill.inv
2425061	2425061~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2425061	2425061~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2425061	2425061~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2425061	2425061~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2425061	2425061~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
2425061	2425061~EPA	hse-bla_ch2	Activator	EOC/PUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
2425061	2425061~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
2425061	2425061~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
2425061	2425061~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
2425061	2425061~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
2425061	2425061~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
2425061	2425061~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
2425061	2425061~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2425061	2425061~NTP	ap1-agonist_ch2	Activator	cca	gnls
2425061	2425061~NTP	ap1-agonist_ratio	Activator	cca	gnls
2425061	2425061~NTP	ap1-agonist_via	Inactive	cca	cnst
2425061	2425061~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2425061	2425061~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
2425061	2425061~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
2425061	2425061~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
2425061	2425061~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
2425061	2425061~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
2425061	2425061~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
2425061	2425061~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
2426633	2426633~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
2426633	2426633~FDA	ap1-agonist_ch2	Activator	cca	hill
2426633	2426633~FDA	ap1-agonist_ratio	Activator	cca	hill
2426633	2426633~FDA	ap1-agonist_via	Inactive	cca	cnst
2426633	2426633~FDA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
2426633	2426633~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
2426633	2426633~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
2426633	2426633~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
24279912	24279912~FDA	p53-bla_ch1	Repressor	EOC/PUC	gnls.inv
24279912	24279912~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
24279912	24279912~FDA	p53-bla_ratio	Activator	EOC/PUC	gnls
24279912	24279912~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
24280931	24280931~FDA	are-bla_ch1	Inactive	cca	cnst
24280931	24280931~FDA	are-bla_ch2	Activator	cca	hill
24280931	24280931~FDA	are-bla_ratio	Activator	cca	hill
24280931	24280931~FDA	are-bla_via	Repressor	cca	hill.inv
24280931	24280931~FDA	esre-bla_ch1	Activator	cca	hill
24280931	24280931~FDA	esre-bla_ch2	Activator	cca	hill
24280931	24280931~FDA	esre-bla_ratio	Activator	cca	hill
24280931	24280931~FDA	esre-bla_via	Inactive	cca	cnst
24280931	24280931~FDA	p53-bla_ch1	Inactive	cca	cnst
24280931	24280931~FDA	p53-bla_ch2	Activator	cca	gnls
24280931	24280931~FDA	p53-bla_ratio	Activator	cca	gnls
24280931	24280931~FDA	p53-bla_via	Repressor	cca	hill.inv
2437298	2437298~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
2437298	2437298~FDA	ap1-agonist_ch2	Activator	cca	gnls
2437298	2437298~FDA	ap1-agonist_ratio	Activator	cca	gnls
2437298	2437298~FDA	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
2437298	2437298~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2437298	2437298~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2437298	2437298~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
2437298	2437298~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2437298	2437298~FDA	hse-bla_ch1	Repressor	PUC	hill.inv
2437298	2437298~FDA	hse-bla_ch2	Activator	PUC	gnls
2437298	2437298~FDA	hse-bla_ratio	Activator	PUC	hill
2437298	2437298~FDA	hse-bla_via	Repressor	PUC	hill.inv
2437298	2437298~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
2437298	2437298~NTP	ap1-agonist_ch2	Activator	EOC	gnls
2437298	2437298~NTP	ap1-agonist_ratio	Activator	EOC	gnls
2437298	2437298~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
2437298	2437298~NTP	are-bla_ch1	Repressor	EUC	hill.inv
2437298	2437298~NTP	are-bla_ch2	Activator	EUC	gnls
2437298	2437298~NTP	are-bla_ratio	Activator	EUC	gnls
2437298	2437298~NTP	are-bla_via	Repressor	EUC	hill.inv
2437298	2437298~NTP	esre-bla_ch1	Complex	rfp	gnls
2437298	2437298~NTP	esre-bla_ch2	Inactive	rfp	gnls.inv
2437298	2437298~NTP	esre-bla_ratio	Activator	rfp	hill
2437298	2437298~NTP	esre-bla_via	Repressor	rfp	hill.inv
2437298	2437298~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2437298	2437298~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
2437298	2437298~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
2437298	2437298~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
2437298	2437298~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
2437298	2437298~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
2437298	2437298~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
2437298	2437298~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
2437298	2437298~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2437298	2437298~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2437298	2437298~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
2437298	2437298~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2437298	2437298~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
2437298	2437298~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
2437298	2437298~NTP	p53-bla_ratio	Activator	rfp	hill
2437298	2437298~NTP	p53-bla_via	Repressor	rfp	hill.inv
2439012	2439012~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2439012	2439012~NTP	ap1-agonist_ch2	Activator	cca	gnls
2439012	2439012~NTP	ap1-agonist_ratio	Activator	cca	hill
2439012	2439012~NTP	ap1-agonist_via	Inactive	cca	cnst
2439103	2439103~NTP	are-bla_ch1	Inactive	EUC	cnst
2439103	2439103~NTP	are-bla_ch2	Activator	EUC	hill
2439103	2439103~NTP	are-bla_ratio	Activator	EUC	hill
2439103	2439103~NTP	are-bla_via	Inactive	EUC	cnst
243973208	243973208~NTP	ap1-agonist_ch1	Inactive	cca	cnst
243973208	243973208~NTP	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
243973208	243973208~NTP	ap1-agonist_ratio	Activator	cca	hill
243973208	243973208~NTP	ap1-agonist_via	Inactive	cca	cnst
2440224	2440224~EPA	are-bla_ch1	Repressor	cca	hill.inv
2440224	2440224~EPA	are-bla_ch2	Activator	cca	hill
2440224	2440224~EPA	are-bla_ratio	Activator	cca	hill
2440224	2440224~EPA	are-bla_via	Inactive	cca	cnst
2440224	2440224~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2440224	2440224~NTP	ap1-agonist_ch2	Activator	cca	hill
2440224	2440224~NTP	ap1-agonist_ratio	Activator	cca	hill
2440224	2440224~NTP	ap1-agonist_via	Inactive	cca	cnst
2440224	2440224~NTP	are-bla_ch1	Inactive	cca	cnst
2440224	2440224~NTP	are-bla_ch2	Activator	cca	hill
2440224	2440224~NTP	are-bla_ratio	Activator	cca	hill
2440224	2440224~NTP	are-bla_via	Inactive	cca	cnst
244193508	244193508~NTP	are-bla_ch1	Inactive	cca	cnst
244193508	244193508~NTP	are-bla_ch2	Activator	cca	gnls
244193508	244193508~NTP	are-bla_ratio	Activator	cca	gnls
244193508	244193508~NTP	are-bla_via	Inactive	cca	cnst
244193520	244193520~NTP	are-bla_ch1	Repressor	EUC	gnls.inv
244193520	244193520~NTP	are-bla_ch2	Activator	EUC	gnls
244193520	244193520~NTP	are-bla_ratio	Activator	EUC	gnls
244193520	244193520~NTP	are-bla_via	Inactive	EUC	cnst
244193520	244193520~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
244193520	244193520~NTP	p53-bla_ch2	Inactive	rfp	cnst
244193520	244193520~NTP	p53-bla_ratio	Activator	rfp	hill
244193520	244193520~NTP	p53-bla_via	Inactive	rfp	cnst
244193564	244193564~NTP	are-bla_ch1	Repressor	cca	gnls.inv
244193564	244193564~NTP	are-bla_ch2	Activator	cca	gnls
244193564	244193564~NTP	are-bla_ratio	Activator	cca	gnls
244193564	244193564~NTP	are-bla_via	Inactive	cca	cnst
244193597	244193597~NTP	are-bla_ch1	Repressor	cca	hill.inv
244193597	244193597~NTP	are-bla_ch2	Activator	cca	gnls
244193597	244193597~NTP	are-bla_ratio	Activator	cca	gnls
244193597	244193597~NTP	are-bla_via	Repressor	cca	hill.inv
244193597	244193597~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
244193597	244193597~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
244193597	244193597~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
244193597	244193597~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
244193597	244193597~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
244193597	244193597~NTP	hse-bla_ch2	Inactive	rfp	cnst
244193597	244193597~NTP	hse-bla_ratio	Activator	rfp	hill
244193597	244193597~NTP	hse-bla_via	Repressor	rfp	hill.inv
244193597	244193597~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
244193597	244193597~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
244193597	244193597~NTP	p53-bla_ratio	Activator	rfp	hill
244193597	244193597~NTP	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
244193644	244193644~NTP	are-bla_ch1	Repressor	cca	hill.inv
244193644	244193644~NTP	are-bla_ch2	Activator	cca	gnls
244193644	244193644~NTP	are-bla_ratio	Activator	cca	gnls
244193644	244193644~NTP	are-bla_via	Repressor	cca	hill.inv
244193644	244193644~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
244193644	244193644~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
244193644	244193644~NTP	esre-bla_ratio	Activator	rfp	hill
244193644	244193644~NTP	esre-bla_via	Repressor	rfp	hill.inv
244193644	244193644~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
244193644	244193644~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
244193644	244193644~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
244193644	244193644~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
244193644	244193644~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
244193644	244193644~NTP	hse-bla_ch2	Inactive	rfp	cnst
244193644	244193644~NTP	hse-bla_ratio	Activator	rfp	hill
244193644	244193644~NTP	hse-bla_via	Repressor	rfp	hill.inv
244193644	244193644~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
244193644	244193644~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
244193644	244193644~NTP	p53-bla_ratio	Activator	rfp	hill
244193644	244193644~NTP	p53-bla_via	Repressor	rfp	hill.inv
2443585	2443585~EPA	are-bla_ch1	Inactive	cca	cnst
2443585	2443585~EPA	are-bla_ch2	Activator	cca	hill
2443585	2443585~EPA	are-bla_ratio	Activator	cca	hill
2443585	2443585~EPA	are-bla_via	Inactive	cca	cnst
2443585	2443585~EPA	p53-bla_ch1	Inactive	cca	cnst
2443585	2443585~EPA	p53-bla_ch2	Activator	cca	hill
2443585	2443585~EPA	p53-bla_ratio	Activator	cca	hill
2443585	2443585~EPA	p53-bla_via	Inactive	cca	cnst
2444464	2444464~FDA	esre-bla_ch1	Inactive	cca	cnst
2444464	2444464~FDA	esre-bla_ch2	Activator	cca	gnls
2444464	2444464~FDA	esre-bla_ratio	Activator	cca	gnls
2444464	2444464~FDA	esre-bla_via	Inactive	cca	cnst
244633	244633~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
244633	244633~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
244633	244633~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
244633	244633~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
2447543	2447543~FDA	ap1-agonist_ch1	Repressor	EOC	gnls.inv
2447543	2447543~FDA	ap1-agonist_ch2	Activator	EOC	gnls
2447543	2447543~FDA	ap1-agonist_ratio	Activator	EOC	gnls
2447543	2447543~FDA	ap1-agonist_via	Repressor	EOC	gnls.inv
2447543	2447543~FDA	are-bla_ch1	Repressor	cca	hill.inv
2447543	2447543~FDA	are-bla_ch2	Activator	cca	gnls
2447543	2447543~FDA	are-bla_ratio	Activator	cca	gnls
2447543	2447543~FDA	are-bla_via	Repressor	cca	hill.inv
2447543	2447543~FDA	hre-bla-agonist_ch1	Repressor	rfp	gnls.inv
2447543	2447543~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
2447543	2447543~FDA	hre-bla-agonist_ratio	Activator	rfp	gnls
2447543	2447543~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2447543	2447543~FDA	hse-bla_ch1	Repressor	PUC	hill.inv
2447543	2447543~FDA	hse-bla_ch2	Activator	PUC	gnls
2447543	2447543~FDA	hse-bla_ratio	Activator	PUC	hill
2447543	2447543~FDA	hse-bla_via	Repressor	PUC	hill.inv
2447543	2447543~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
2447543	2447543~FDA	p53-bla_ch2	Inactive	rfp	cnst
2447543	2447543~FDA	p53-bla_ratio	Activator	rfp	hill
2447543	2447543~FDA	p53-bla_via	Repressor	rfp	hill.inv
2451629	2451629~EPA	are-bla_ch1	Repressor	EUC	gnls.inv
2451629	2451629~EPA	are-bla_ch2	Activator	EUC	gnls
2451629	2451629~EPA	are-bla_ratio	Activator	EUC	gnls
2451629	2451629~EPA	are-bla_via	Inactive	EUC	cnst
2451629	2451629~EPA	hse-bla_ch1	Inactive	EUC	cnst
2451629	2451629~EPA	hse-bla_ch2	Activator	EUC	hill
2451629	2451629~EPA	hse-bla_ratio	Activator	EUC	hill
2451629	2451629~EPA	hse-bla_via	Inactive	EUC	cnst
2451629	2451629~EPA	p53-bla_ch1	Repressor	cca	hill.inv
2451629	2451629~EPA	p53-bla_ch2	Activator	cca	hill
2451629	2451629~EPA	p53-bla_ratio	Activator	cca	hill
2451629	2451629~EPA	p53-bla_via	Inactive	cca	cnst
2451629	2451629~FDA	p53-bla_ch1	Repressor	cca	hill.inv
2451629	2451629~FDA	p53-bla_ch2	Activator	cca	hill
2451629	2451629~FDA	p53-bla_ratio	Activator	cca	hill
2451629	2451629~FDA	p53-bla_via	Inactive	cca	cnst
2451629	2451629~NTP	are-bla_ch1	Repressor	EUC	gnls.inv
2451629	2451629~NTP	are-bla_ch2	Activator	EUC	hill
2451629	2451629~NTP	are-bla_ratio	Activator	EUC	gnls
2451629	2451629~NTP	are-bla_via	Inactive	EUC	cnst
2451629	2451629~NTP	hse-bla_ch1	Inactive	cca	cnst
2451629	2451629~NTP	hse-bla_ch2	Activator	cca	hill
2451629	2451629~NTP	hse-bla_ratio	Activator	cca	hill
2451629	2451629~NTP	hse-bla_via	Inactive	cca	cnst
2451629	2451629~NTP	p53-bla_ch1	Inactive	cca	cnst
2451629	2451629~NTP	p53-bla_ch2	Activator	cca	gnls
2451629	2451629~NTP	p53-bla_ratio	Activator	cca	gnls
2451629	2451629~NTP	p53-bla_via	Inactive	cca	cnst
24615847	24615847~EPA	are-bla_ch1	Repressor	cca	hill.inv
24615847	24615847~EPA	are-bla_ch2	Activator	cca	hill
24615847	24615847~EPA	are-bla_ratio	Activator	cca	hill
24615847	24615847~EPA	are-bla_via	Inactive	cca	cnst
24615847	24615847~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
24615847	24615847~NTP	are-bla_ch2	Activator	EOC/PUC	hill
24615847	24615847~NTP	are-bla_ratio	Activator	EOC/PUC	hill
24615847	24615847~NTP	are-bla_via	Inactive	EOC/PUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2465272	2465272~EPA	are-bla_ch1	Inactive	rfn	cnst
2465272	2465272~EPA	are-bla_ch2	Activator	rfn	gnls
2465272	2465272~EPA	are-bla_ratio	Inactive	rfn	hill.inv
2465272	2465272~EPA	are-bla_via	Inactive	rfn	cnst
2465272	2465272~EPA	p53-bla_ch1	Repressor	cca	hill.inv
2465272	2465272~EPA	p53-bla_ch2	Activator	cca	gnls
2465272	2465272~EPA	p53-bla_ratio	Activator	cca	gnls
2465272	2465272~EPA	p53-bla_via	Inactive	cca	cnst
2465272	2465272~NTP	p53-bla_ch1	Repressor	cca	hill.inv
2465272	2465272~NTP	p53-bla_ch2	Activator	cca	gnls
2465272	2465272~NTP	p53-bla_ratio	Activator	cca	gnls
2465272	2465272~NTP	p53-bla_via	Inactive	cca	cnst
2467029	2467029~EPA	are-bla_ch1	Inactive	cca	cnst
2467029	2467029~EPA	are-bla_ch2	Activator	cca	hill
2467029	2467029~EPA	are-bla_ratio	Activator	cca	hill
2467029	2467029~EPA	are-bla_via	Inactive	cca	cnst
2467030	2467030~EPA	are-bla_ch1	Inactive	cca	cnst
2467030	2467030~EPA	are-bla_ch2	Activator	cca	hill
2467030	2467030~EPA	are-bla_ratio	Activator	cca	hill
2467030	2467030~EPA	are-bla_via	Inactive	cca	cnst
2467030	2467030~NTP	are-bla_ch1	Inactive	PUC	cnst
2467030	2467030~NTP	are-bla_ch2	Activator	PUC	gnls
2467030	2467030~NTP	are-bla_ratio	Activator	PUC	gnls
2467030	2467030~NTP	are-bla_via	Inactive	PUC	cnst
2478106	2478106~EPA	are-bla_ch1	Repressor	cca	hill.inv
2478106	2478106~EPA	are-bla_ch2	Activator	cca	hill
2478106	2478106~EPA	are-bla_ratio	Activator	cca	hill
2478106	2478106~EPA	are-bla_via	Inactive	cca	cnst
2491385	2491385~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
2491385	2491385~EPA	ap1-agonist_ch2	Activator	cca	gnls
2491385	2491385~EPA	ap1-agonist_ratio	Activator	cca	gnls
2491385	2491385~EPA	ap1-agonist_via	Inactive	cca	cnst
2491385	2491385~EPA	are-bla_ch1	Repressor	cca	hill.inv
2491385	2491385~EPA	are-bla_ch2	Activator	cca	hill
2491385	2491385~EPA	are-bla_ratio	Activator	cca	hill
2491385	2491385~EPA	are-bla_via	Inactive	cca	cnst
2492264	2492264~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
2492264	2492264~EPA	ap1-agonist_ch2	Activator	cca	hill
2492264	2492264~EPA	ap1-agonist_ratio	Activator	cca	hill
2492264	2492264~EPA	ap1-agonist_via	Inactive	cca	cnst
2492264	2492264~EPA	are-bla_ch1	Inactive	rfp	cnst
2492264	2492264~EPA	are-bla_ch2	Inactive	rfp	cnst
2492264	2492264~EPA	are-bla_ratio	Activator	rfp	gnls
2492264	2492264~EPA	are-bla_via	Inactive	rfp	cnst
2492264	2492264~EPA	hse-bla_ch1	Inactive	cca	cnst
2492264	2492264~EPA	hse-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
2492264	2492264~EPA	hse-bla_ratio	Activator	cca	gnls
2492264	2492264~EPA	hse-bla_via	Inactive	cca	cnst
249296433	249296433~EPA	are-bla_ch1	Repressor	cca	hill.inv
249296433	249296433~EPA	are-bla_ch2	Activator	cca	gnls
249296433	249296433~EPA	are-bla_ratio	Activator	cca	gnls
249296433	249296433~EPA	are-bla_via	Inactive	cca	cnst
2493847	2493847~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
2493847	2493847~NTP	hse-bla_ch2	Inactive	rfp	cnst
2493847	2493847~NTP	hse-bla_ratio	Activator	rfp	hill
2493847	2493847~NTP	hse-bla_via	Repressor	rfp	hill.inv
2493847	2493847~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
2493847	2493847~NTP	p53-bla_ch2	Inactive	rfp	cnst
2493847	2493847~NTP	p53-bla_ratio	Activator	rfp	hill
2493847	2493847~NTP	p53-bla_via	Inactive	rfp	cnst
2497214	2497214~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
2497214	2497214~EPA	ap1-agonist_ch2	Activator	cca	hill
2497214	2497214~EPA	ap1-agonist_ratio	Activator	cca	hill
2497214	2497214~EPA	ap1-agonist_via	Inactive	cca	cnst
25013165	25013165~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
25013165	25013165~NTP	ap1-agonist_ch2	Activator	cca	hill
25013165	25013165~NTP	ap1-agonist_ratio	Activator	cca	hill
25013165	25013165~NTP	ap1-agonist_via	Inactive	cca	cnst
2508794	2508794~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
2508794	2508794~FDA	hre-bla-agonist_ch2	Activator	cca	hill
2508794	2508794~FDA	hre-bla-agonist_ratio	Activator	cca	hill
2508794	2508794~FDA	hre-bla-agonist_via	Activator	cca	hill
25122570	25122570~FDA	are-bla_ch1	Inactive	cca	cnst
25122570	25122570~FDA	are-bla_ch2	Activator	cca	hill
25122570	25122570~FDA	are-bla_ratio	Activator	cca	hill
25122570	25122570~FDA	are-bla_via	Inactive	cca	cnst
25152845	25152845~EPA	are-bla_ch1	Repressor	PUC	hill.inv
25152845	25152845~EPA	are-bla_ch2	Activator	PUC	hill
25152845	25152845~EPA	are-bla_ratio	Activator	PUC	hill
25152845	25152845~EPA	are-bla_via	Inactive	PUC	cnst
25152845	25152845~EPA	hse-bla_ch1	Inactive	cca	cnst
25152845	25152845~EPA	hse-bla_ch2	Activator	cca	hill
25152845	25152845~EPA	hse-bla_ratio	Activator	cca	hill
25152845	25152845~EPA	hse-bla_via	Inactive	cca	cnst
25152845	25152845~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
25152845	25152845~EPA	p53-bla_ch2	Inactive	rfp	cnst
25152845	25152845~EPA	p53-bla_ratio	Activator	rfp	hill
25152845	25152845~EPA	p53-bla_via	Repressor	rfp	hill.inv
25152845	25152845~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
25152845	25152845~NTP	p53-bla_ch2	Inactive	rfp	cnst
25152845	25152845~NTP	p53-bla_ratio	Activator	rfp	hill
25152845	25152845~NTP	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
25155184	25155184~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
25155184	25155184~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
25155184	25155184~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
25155184	25155184~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
25155184	25155184~EPA	are-bla_ch1	Repressor	cca	hill.inv
25155184	25155184~EPA	are-bla_ch2	Activator	cca	gnls
25155184	25155184~EPA	are-bla_ratio	Activator	cca	gnls
25155184	25155184~EPA	are-bla_via	Repressor	cca	hill.inv
25155184	25155184~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
25155184	25155184~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
25155184	25155184~EPA	esre-bla_ratio	Activator	rfp	hill
25155184	25155184~EPA	esre-bla_via	Repressor	rfp	hill.inv
25155184	25155184~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
25155184	25155184~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
25155184	25155184~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
25155184	25155184~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
25155184	25155184~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
25155184	25155184~EPA	hse-bla_ch2	Inactive	rfp	cnst
25155184	25155184~EPA	hse-bla_ratio	Activator	rfp	hill
25155184	25155184~EPA	hse-bla_via	Repressor	rfp	hill.inv
25155184	25155184~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
25155184	25155184~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
25155184	25155184~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
25155184	25155184~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
25155184	25155184~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
25155184	25155184~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
25155184	25155184~EPA	p53-bla_ratio	Activator	rfp	hill
25155184	25155184~EPA	p53-bla_via	Repressor	rfp	hill.inv
25155184	25155184~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
25155184	25155184~FDA	ap1-agonist_ch2	Activator	cca	gnls
25155184	25155184~FDA	ap1-agonist_ratio	Activator	cca	gnls
25155184	25155184~FDA	ap1-agonist_via	Repressor	cca	hill.inv
25155184	25155184~FDA	are-bla_ch1	Repressor	cca	hill.inv
25155184	25155184~FDA	are-bla_ch2	Activator	cca	gnls
25155184	25155184~FDA	are-bla_ratio	Activator	cca	gnls
25155184	25155184~FDA	are-bla_via	Repressor	cca	hill.inv
25155184	25155184~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
25155184	25155184~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
25155184	25155184~FDA	esre-bla_ratio	Activator	rfp	hill
25155184	25155184~FDA	esre-bla_via	Repressor	rfp	hill.inv
25155184	25155184~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
25155184	25155184~FDA	hse-bla_ch2	Inactive	rfp	cnst
25155184	25155184~FDA	hse-bla_ratio	Activator	rfp	hill
25155184	25155184~FDA	hse-bla_via	Repressor	rfp	hill.inv
25155184	25155184~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
25155184	25155184~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
25155184	25155184~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
25155184	25155184~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
25155300	25155300~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
25155300	25155300~EPA	ap1-agonist_ch2	Activator	cca	gnls
25155300	25155300~EPA	ap1-agonist_ratio	Activator	cca	gnls
25155300	25155300~EPA	ap1-agonist_via	Repressor	cca	hill.inv
25155300	25155300~EPA	are-bla_ch1	Repressor	rfp	hill.inv
25155300	25155300~EPA	are-bla_ch2	Inactive	rfp	hill.inv
25155300	25155300~EPA	are-bla_ratio	Activator	rfp	gnls
25155300	25155300~EPA	are-bla_via	Repressor	rfp	hill.inv
25155300	25155300~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
25155300	25155300~EPA	p53-bla_ch2	Inactive	rfp	cnst
25155300	25155300~EPA	p53-bla_ratio	Activator	rfp	hill
25155300	25155300~EPA	p53-bla_via	Repressor	rfp	hill.inv
25155300	25155300~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
25155300	25155300~NTP	ap1-agonist_ch2	Activator	cca	gnls
25155300	25155300~NTP	ap1-agonist_ratio	Activator	cca	gnls
25155300	25155300~NTP	ap1-agonist_via	Repressor	cca	hill.inv
25155300	25155300~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
25155300	25155300~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
25155300	25155300~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
25155300	25155300~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
25155300	25155300~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
25155300	25155300~NTP	p53-bla_ch2	Inactive	rfp	cnst
25155300	25155300~NTP	p53-bla_ratio	Activator	rfp	hill
25155300	25155300~NTP	p53-bla_via	Repressor	rfp	hill.inv
2516407	2516407~EPA	are-bla_ch1	Repressor	cca	hill.inv
2516407	2516407~EPA	are-bla_ch2	Activator	cca	hill
2516407	2516407~EPA	are-bla_ratio	Activator	cca	hill
2516407	2516407~EPA	are-bla_via	Inactive	cca	cnst
25311711	25311711~EPA	are-bla_ch1	Inactive	EUC	cnst
25311711	25311711~EPA	are-bla_ch2	Activator	EUC	hill
25311711	25311711~EPA	are-bla_ratio	Activator	EUC	hill
25311711	25311711~EPA	are-bla_via	Inactive	EUC	cnst
25316409	25316409~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
25316409	25316409~FDA	p53-bla_ch2	Activator	EOC	gnls
25316409	25316409~FDA	p53-bla_ratio	Activator	EOC	gnls
25316409	25316409~FDA	p53-bla_via	Inactive	EOC	cnst
25316409	25316409~NTP	ap1-agonist_ch1	Inactive	cca	cnst
25316409	25316409~NTP	ap1-agonist_ch2	Activator	cca	gnls
25316409	25316409~NTP	ap1-agonist_ratio	Activator	cca	gnls
25316409	25316409~NTP	ap1-agonist_via	Inactive	cca	cnst
25316409	25316409~NTP	are-bla_ch1	Complex	cca	gnls
25316409	25316409~NTP	are-bla_ch2	Activator	cca	gnls
25316409	25316409~NTP	are-bla_ratio	Activator	cca	gnls
25316409	25316409~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
25316409	25316409~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
25316409	25316409~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
25316409	25316409~NTP	hre-bla-agonist_ratio	Activator	cca	gnls
25316409	25316409~NTP	hre-bla-agonist_via	Repressor	cca	hill.inv
25316409	25316409~NTP	p53-bla_ch1	Repressor	EOC	gnls.inv
25316409	25316409~NTP	p53-bla_ch2	Activator	EOC	gnls
25316409	25316409~NTP	p53-bla_ratio	Activator	EOC	gnls
25316409	25316409~NTP	p53-bla_via	Inactive	EOC	cnst
25321099	25321099~NTP	ap1-agonist_ch1	Inactive	cca	cnst
25321099	25321099~NTP	ap1-agonist_ch2	Activator	cca	hill
25321099	25321099~NTP	ap1-agonist_ratio	Activator	cca	hill
25321099	25321099~NTP	ap1-agonist_via	Inactive	cca	cnst
25327893	25327893~NTP	are-bla_ch1	Inactive	cca	cnst
25327893	25327893~NTP	are-bla_ch2	Activator	cca	hill
25327893	25327893~NTP	are-bla_ratio	Activator	cca	hill
25327893	25327893~NTP	are-bla_via	Inactive	cca	cnst
253450098	253450098~EPA	are-bla_ch1	Repressor	cca	hill.inv
253450098	253450098~EPA	are-bla_ch2	Activator	cca	hill
253450098	253450098~EPA	are-bla_ratio	Activator	cca	hill
253450098	253450098~EPA	are-bla_via	Inactive	cca	cnst
25354976	25354976~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
25354976	25354976~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
25354976	25354976~EPA	ap1-agonist_ratio	Activator	rfp	hill
25354976	25354976~EPA	ap1-agonist_via	Inactive	rfp	cnst
25354976	25354976~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
25354976	25354976~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
25354976	25354976~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
25354976	25354976~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
25354976	25354976~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
25354976	25354976~EPA	hse-bla_ch2	Inactive	rfp	cnst
25354976	25354976~EPA	hse-bla_ratio	Activator	rfp	hill
25354976	25354976~EPA	hse-bla_via	Repressor	rfp	hill.inv
25377735	25377735~EPA	are-bla_ch1	Inactive	cca	cnst
25377735	25377735~EPA	are-bla_ch2	Activator	cca	hill
25377735	25377735~EPA	are-bla_ratio	Activator	cca	hill
25377735	25377735~EPA	are-bla_via	Inactive	cca	cnst
25377735	25377735~NTP	are-bla_ch1	Inactive	rfp	cnst
25377735	25377735~NTP	are-bla_ch2	Inactive	rfp	cnst
25377735	25377735~NTP	are-bla_ratio	Activator	rfp	hill
25377735	25377735~NTP	are-bla_via	Inactive	rfp	cnst
25389940	25389940~NTP	ap1-agonist_ch1	Inactive	cca	cnst
25389940	25389940~NTP	ap1-agonist_ch2	Activator	cca	hill
25389940	25389940~NTP	ap1-agonist_ratio	Activator	cca	hill
25389940	25389940~NTP	ap1-agonist_via	Inactive	cca	cnst
254877673	254877673~FDA	are-bla_ch1	Repressor	rfn	hill.inv
254877673	254877673~FDA	are-bla_ch2	Activator	rfn	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
254877673	254877673~FDA	are-bla_ratio	Inactive	rfn	hill.inv
254877673	254877673~FDA	are-bla_via	Repressor	rfn	hill.inv
254877673	254877673~FDA	p53-bla_ch1	Complex	cca	gnls
254877673	254877673~FDA	p53-bla_ch2	Activator	cca	hill
254877673	254877673~FDA	p53-bla_ratio	Activator	cca	hill
254877673	254877673~FDA	p53-bla_via	Repressor	cca	hill.inv
25496724	25496724~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
25496724	25496724~EPA	hse-bla_ch2	Inactive	rfp	cnst
25496724	25496724~EPA	hse-bla_ratio	Activator	rfp	hill
25496724	25496724~EPA	hse-bla_via	Inactive	rfp	cnst
25550985	25550985~EPA	are-bla_ch1	Inactive	cca	cnst
25550985	25550985~EPA	are-bla_ch2	Activator	cca	hill
25550985	25550985~EPA	are-bla_ratio	Activator	cca	hill
25550985	25550985~EPA	are-bla_via	Inactive	cca	cnst
25584832	25584832~NTP	are-bla_ch1	Repressor	PUC	hill.inv
25584832	25584832~NTP	are-bla_ch2	Activator	PUC	hill
25584832	25584832~NTP	are-bla_ratio	Activator	PUC	gnls
25584832	25584832~NTP	are-bla_via	Inactive	PUC	cnst
25804493	25804493~EPA	are-bla_ch1	Inactive	EUC	cnst
25804493	25804493~EPA	are-bla_ch2	Activator	EUC	hill
25804493	25804493~EPA	are-bla_ratio	Activator	EUC	hill
25804493	25804493~EPA	are-bla_via	Inactive	EUC	cnst
25875518	25875518~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
25875518	25875518~FDA	ap1-agonist_ch2	Activator	EOC	gnls
25875518	25875518~FDA	ap1-agonist_ratio	Activator	EOC	gnls
25875518	25875518~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
25875518	25875518~FDA	are-bla_ch1	Repressor	cca	hill.inv
25875518	25875518~FDA	are-bla_ch2	Activator	cca	gnls
25875518	25875518~FDA	are-bla_ratio	Activator	cca	gnls
25875518	25875518~FDA	are-bla_via	Repressor	cca	hill.inv
25875518	25875518~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
25875518	25875518~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
25875518	25875518~FDA	esre-bla_ratio	Activator	rfp	hill
25875518	25875518~FDA	esre-bla_via	Repressor	rfp	hill.inv
25875518	25875518~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
25875518	25875518~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
25875518	25875518~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
25875518	25875518~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
25875518	25875518~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
25875518	25875518~FDA	hse-bla_ch2	Inactive	rfp	cnst
25875518	25875518~FDA	hse-bla_ratio	Activator	rfp	hill
25875518	25875518~FDA	hse-bla_via	Repressor	rfp	hill.inv
25875518	25875518~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
25875518	25875518~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
25875518	25875518~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
25875518	25875518~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
25875518	25875518~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
25875518	25875518~FDA	p53-bla_ch2	Inactive	rfp	cnst
25875518	25875518~FDA	p53-bla_ratio	Activator	rfp	hill
25875518	25875518~FDA	p53-bla_via	Repressor	rfp	hill.inv
258864549	258864549~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
258864549	258864549~NTP	ap1-agonist_ch2	Activator	EOC	gnls
258864549	258864549~NTP	ap1-agonist_ratio	Activator	EOC	gnls
258864549	258864549~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
258864549	258864549~NTP	are-bla_ch1	Repressor	rfp	hill.inv
258864549	258864549~NTP	are-bla_ch2	Inactive	rfp	hill.inv
258864549	258864549~NTP	are-bla_ratio	Activator	rfp	gnls
258864549	258864549~NTP	are-bla_via	Repressor	rfp	hill.inv
258864549	258864549~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
258864549	258864549~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
258864549	258864549~NTP	esre-bla_ratio	Activator	rfp	hill
258864549	258864549~NTP	esre-bla_via	Repressor	rfp	hill.inv
258864549	258864549~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
258864549	258864549~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
258864549	258864549~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
258864549	258864549~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
258864549	258864549~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
258864549	258864549~NTP	hse-bla_ch2	Inactive	rfp	cnst
258864549	258864549~NTP	hse-bla_ratio	Activator	rfp	hill
258864549	258864549~NTP	hse-bla_via	Repressor	rfp	hill.inv
258864549	258864549~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
258864549	258864549~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
258864549	258864549~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
258864549	258864549~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
258864549	258864549~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
258864549	258864549~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
258864549	258864549~NTP	p53-bla_ratio	Activator	rfp	hill
258864549	258864549~NTP	p53-bla_via	Repressor	rfp	hill.inv
25953199	25953199~FDA	are-bla_ch1	Inactive	cca	cnst
25953199	25953199~FDA	are-bla_ch2	Activator	cca	hill
25953199	25953199~FDA	are-bla_ratio	Activator	cca	hill
25953199	25953199~FDA	are-bla_via	Inactive	cca	cnst
2597935	2597935~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2597935	2597935~NTP	ap1-agonist_ch2	Activator	cca	gnls
2597935	2597935~NTP	ap1-agonist_ratio	Activator	cca	gnls
2597935	2597935~NTP	ap1-agonist_via	Repressor	cca	hill.inv
2597935	2597935~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2597935	2597935~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
2597935	2597935~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
2597935	2597935~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
25999206	25999206~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
25999206	25999206~FDA	p53-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
25999206	25999206~FDA	p53-bla_ratio	Activator	rfp	hill
25999206	25999206~FDA	p53-bla_via	Inactive	rfp	cnst
26027383	26027383~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
26027383	26027383~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
26027383	26027383~EPA	ap1-agonist_ratio	Activator	rfp	hill
26027383	26027383~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
26027383	26027383~EPA	are-bla_ch1	Repressor	EUC	hill.inv
26027383	26027383~EPA	are-bla_ch2	Activator	EUC	gnls
26027383	26027383~EPA	are-bla_ratio	Activator	EUC	gnls
26027383	26027383~EPA	are-bla_via	Repressor	EUC	hill.inv
26049707	26049707~EPA	are-bla_ch1	Inactive	cca	cnst
26049707	26049707~EPA	are-bla_ch2	Activator	cca	gnls
26049707	26049707~EPA	are-bla_ratio	Activator	cca	gnls
26049707	26049707~EPA	are-bla_via	Repressor	cca	hill.inv
26049707	26049707~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
26049707	26049707~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
26049707	26049707~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
26049707	26049707~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
26049707	26049707~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
26049707	26049707~EPA	hse-bla_ch2	Inactive	rfp	cnst
26049707	26049707~EPA	hse-bla_ratio	Activator	rfp	hill
26049707	26049707~EPA	hse-bla_via	Inactive	rfp	cnst
26049707	26049707~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
26049707	26049707~EPA	p53-bla_ch2	Inactive	rfp	cnst
26049707	26049707~EPA	p53-bla_ratio	Activator	rfp	hill
26049707	26049707~EPA	p53-bla_via	Inactive	rfp	cnst
26049718	26049718~EPA	are-bla_ch1	Repressor	cca	hill.inv
26049718	26049718~EPA	are-bla_ch2	Activator	cca	gnls
26049718	26049718~EPA	are-bla_ratio	Activator	cca	hill
26049718	26049718~EPA	are-bla_via	Inactive	cca	cnst
2609463	2609463~FDA	are-bla_ch1	Inactive	cca	cnst
2609463	2609463~FDA	are-bla_ch2	Activator	cca	hill
2609463	2609463~FDA	are-bla_ratio	Activator	cca	hill
2609463	2609463~FDA	are-bla_via	Inactive	cca	cnst
26095590	26095590~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
26095590	26095590~FDA	ap1-agonist_ch2	Activator	cca	gnls
26095590	26095590~FDA	ap1-agonist_ratio	Activator	cca	hill
26095590	26095590~FDA	ap1-agonist_via	Repressor	cca	hill.inv
26095590	26095590~FDA	are-bla_ch1	Repressor	rfp	hill.inv
26095590	26095590~FDA	are-bla_ch2	Inactive	rfp	hill.inv
26095590	26095590~FDA	are-bla_ratio	Activator	rfp	hill
26095590	26095590~FDA	are-bla_via	Inactive	rfp	cnst
26095590	26095590~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
26095590	26095590~FDA	esre-bla_ch2	Inactive	rfp	cnst
26095590	26095590~FDA	esre-bla_ratio	Activator	rfp	hill
26095590	26095590~FDA	esre-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
26095590	26095590~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
26095590	26095590~FDA	hse-bla_ch2	Inactive	rfp	cnst
26095590	26095590~FDA	hse-bla_ratio	Activator	rfp	hill
26095590	26095590~FDA	hse-bla_via	Repressor	rfp	hill.inv
26097803	26097803~FDA	p53-bla_ch1	Repressor	cca	hill.inv
26097803	26097803~FDA	p53-bla_ch2	Activator	cca	gnls
26097803	26097803~FDA	p53-bla_ratio	Activator	cca	gnls
26097803	26097803~FDA	p53-bla_via	Inactive	cca	cnst
2610119	2610119~EPA	ap1-agonist_ch1	Inactive	cca	cnst
2610119	2610119~EPA	ap1-agonist_ch2	Activator	cca	hill
2610119	2610119~EPA	ap1-agonist_ratio	Activator	cca	hill
2610119	2610119~EPA	ap1-agonist_via	Inactive	cca	cnst
2610119	2610119~EPA	are-bla_ch1	Repressor	cca	hill.inv
2610119	2610119~EPA	are-bla_ch2	Activator	cca	hill
2610119	2610119~EPA	are-bla_ratio	Activator	cca	hill
2610119	2610119~EPA	are-bla_via	Inactive	cca	cnst
26130029	26130029~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
26130029	26130029~FDA	ap1-agonist_ch2	Activator	cca	hill
26130029	26130029~FDA	ap1-agonist_ratio	Activator	cca	hill
26130029	26130029~FDA	ap1-agonist_via	Inactive	cca	cnst
26130029	26130029~FDA	are-bla_ch1	Repressor	cca	hill.inv
26130029	26130029~FDA	are-bla_ch2	Activator	cca	gnls
26130029	26130029~FDA	are-bla_ratio	Activator	cca	gnls
26130029	26130029~FDA	are-bla_via	Inactive	cca	cnst
26172543	26172543~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
26172543	26172543~EPA	ap1-agonist_ch2	Activator	cca	gnls
26172543	26172543~EPA	ap1-agonist_ratio	Activator	cca	gnls
26172543	26172543~EPA	ap1-agonist_via	Inactive	cca	cnst
2622266	2622266~FDA	p53-bla_ch1	Inactive	cca	cnst
2622266	2622266~FDA	p53-bla_ch2	Activator	cca	hill
2622266	2622266~FDA	p53-bla_ratio	Activator	cca	hill
2622266	2622266~FDA	p53-bla_via	Inactive	cca	cnst
26225796	26225796~EPA	are-bla_ch1	Inactive	EUC	cnst
26225796	26225796~EPA	are-bla_ch2	Activator	EUC	hill
26225796	26225796~EPA	are-bla_ratio	Activator	EUC	hill
26225796	26225796~EPA	are-bla_via	Inactive	EUC	cnst
262376750	262376750~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
262376750	262376750~EPA	ap1-agonist_ch2	Activator	cca	gnls
262376750	262376750~EPA	ap1-agonist_ratio	Activator	cca	hill
262376750	262376750~EPA	ap1-agonist_via	Inactive	cca	cnst
262376750	262376750~EPA	are-bla_ch1	Repressor	cca	hill.inv
262376750	262376750~EPA	are-bla_ch2	Activator	cca	gnls
262376750	262376750~EPA	are-bla_ratio	Activator	cca	gnls
262376750	262376750~EPA	are-bla_via	Inactive	cca	cnst
2624433	2624433~FDA	are-bla_ch1	Inactive	EUC	cnst
2624433	2624433~FDA	are-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
2624433	2624433~FDA	are-bla_ratio	Activator	EUC	hill
2624433	2624433~FDA	are-bla_via	Inactive	EUC	cnst
26264062	26264062~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
26264062	26264062~EPA	ap1-agonist_ch2	Activator	cca	gnls
26264062	26264062~EPA	ap1-agonist_ratio	Activator	cca	gnls
26264062	26264062~EPA	ap1-agonist_via	Repressor	cca	hill.inv
26264062	26264062~EPA	are-bla_ch1	Repressor	cca	hill.inv
26264062	26264062~EPA	are-bla_ch2	Activator	cca	gnls
26264062	26264062~EPA	are-bla_ratio	Activator	cca	gnls
26264062	26264062~EPA	are-bla_via	Repressor	cca	hill.inv
26264062	26264062~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
26264062	26264062~EPA	esre-bla_ch2	Inactive	rfp	cnst
26264062	26264062~EPA	esre-bla_ratio	Activator	rfp	hill
26264062	26264062~EPA	esre-bla_via	Repressor	rfp	hill.inv
26264062	26264062~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
26264062	26264062~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
26264062	26264062~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
26264062	26264062~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
26264062	26264062~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
26264062	26264062~EPA	p53-bla_ch2	Inactive	rfp	cnst
26264062	26264062~EPA	p53-bla_ratio	Activator	rfp	hill
26264062	26264062~EPA	p53-bla_via	Repressor	rfp	hill.inv
2628162	2628162~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2628162	2628162~EPA	are-bla_ch2	Activator	EUC	hill
2628162	2628162~EPA	are-bla_ratio	Activator	EUC	hill
2628162	2628162~EPA	are-bla_via	Inactive	EUC	cnst
263248426	263248426~FDA	are-bla_ch1	Inactive	EUC	cnst
263248426	263248426~FDA	are-bla_ch2	Activator	EUC	hill
263248426	263248426~FDA	are-bla_ratio	Activator	EUC	hill
263248426	263248426~FDA	are-bla_via	Inactive	EUC	cnst
2634335	2634335~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
2634335	2634335~EPA	ap1-agonist_ch2	Activator	cca	gnls
2634335	2634335~EPA	ap1-agonist_ratio	Activator	cca	gnls
2634335	2634335~EPA	ap1-agonist_via	Repressor	cca	hill.inv
2634335	2634335~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2634335	2634335~EPA	are-bla_ch2	Activator	EUC	gnls
2634335	2634335~EPA	are-bla_ratio	Activator	EUC	gnls
2634335	2634335~EPA	are-bla_via	Repressor	EUC	hill.inv
2634335	2634335~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2634335	2634335~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2634335	2634335~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2634335	2634335~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2634335	2634335~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
2634335	2634335~EPA	hse-bla_ch2	Activator	EOC	hill
2634335	2634335~EPA	hse-bla_ratio	Activator	EOC	hill
2634335	2634335~EPA	hse-bla_via	Repressor	EOC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
2634335	2634335~EPA	nfk-bla-agonist_ch1	Repressor	rfp	hill.inv
2634335	2634335~EPA	nfk-bla-agonist_ch2	Inactive	rfp	cnst
2634335	2634335~EPA	nfk-bla-agonist_ratio	Activator	rfp	hill
2634335	2634335~EPA	nfk-bla-agonist_via	Repressor	rfp	hill.inv
263553339	263553339~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
263553339	263553339~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
263553339	263553339~EPA	ap1-agonist_ratio	Activator	rfp	hill
263553339	263553339~EPA	ap1-agonist_via	Inactive	rfp	cnst
263553339	263553339~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
263553339	263553339~EPA	esre-bla_ch2	Inactive	rfp	cnst
263553339	263553339~EPA	esre-bla_ratio	Activator	rfp	hill
263553339	263553339~EPA	esre-bla_via	Inactive	rfp	cnst
263553339	263553339~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
263553339	263553339~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
263553339	263553339~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
263553339	263553339~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
263553339	263553339~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
263553339	263553339~EPA	hse-bla_ch2	Inactive	rfp	cnst
263553339	263553339~EPA	hse-bla_ratio	Activator	rfp	hill
263553339	263553339~EPA	hse-bla_via	Inactive	rfp	cnst
2642719	2642719~EPA	are-bla_ch1	Repressor	cca	hill.inv
2642719	2642719~EPA	are-bla_ch2	Activator	cca	hill
2642719	2642719~EPA	are-bla_ratio	Activator	cca	hill
2642719	2642719~EPA	are-bla_via	Inactive	cca	cnst
2642822	2642822~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
2642822	2642822~EPA	ap1-agonist_ch2	Activator	PUC	gnls
2642822	2642822~EPA	ap1-agonist_ratio	Activator	PUC	hill
2642822	2642822~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
2642822	2642822~EPA	are-bla_ch1	Inactive	cca	cnst
2642822	2642822~EPA	are-bla_ch2	Activator	cca	hill
2642822	2642822~EPA	are-bla_ratio	Activator	cca	hill
2642822	2642822~EPA	are-bla_via	Inactive	cca	cnst
26444495	26444495~NTP	are-bla_ch1	Inactive	EUC	cnst
26444495	26444495~NTP	are-bla_ch2	Activator	EUC	hill
26444495	26444495~NTP	are-bla_ratio	Activator	EUC	hill
26444495	26444495~NTP	are-bla_via	Inactive	EUC	cnst
26472004	26472004~EPA	are-bla_ch1	Inactive	EUC	cnst
26472004	26472004~EPA	are-bla_ch2	Activator	EUC	hill
26472004	26472004~EPA	are-bla_ratio	Activator	EUC	hill
26472004	26472004~EPA	are-bla_via	Inactive	EUC	cnst
2648615	2648615~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2648615	2648615~NTP	ap1-agonist_ch2	Activator	cca	hill
2648615	2648615~NTP	ap1-agonist_ratio	Activator	cca	hill
2648615	2648615~NTP	ap1-agonist_via	Inactive	cca	cnst
26530201	26530201~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
26530201	26530201~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
26530201	26530201~EPA	ap1-agonist_ratio	Activator	cca	gnls
26530201	26530201~EPA	ap1-agonist_via	Repressor	cca	gnls.inv
26530201	26530201~EPA	are-bla_ch1	Repressor	rfn	hill.inv
26530201	26530201~EPA	are-bla_ch2	Activator	rfn	gnls
26530201	26530201~EPA	are-bla_ratio	Inactive	rfn	hill.inv
26530201	26530201~EPA	are-bla_via	Repressor	rfn	hill.inv
26530201	26530201~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
26530201	26530201~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
26530201	26530201~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
26530201	26530201~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
26530201	26530201~EPA	hse-bla_ch1	Repressor	cca	hill.inv
26530201	26530201~EPA	hse-bla_ch2	Activator	cca	gnls
26530201	26530201~EPA	hse-bla_ratio	Activator	cca	gnls
26530201	26530201~EPA	hse-bla_via	Complex	cca	gnls.inv
26530201	26530201~EPA	p53-bla_ch1	Repressor	cca	hill.inv
26530201	26530201~EPA	p53-bla_ch2	Activator	cca	gnls
26530201	26530201~EPA	p53-bla_ratio	Activator	cca	gnls
26530201	26530201~EPA	p53-bla_via	Inactive	cca	cnst
26530201	26530201~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
26530201	26530201~NTP	ap1-agonist_ch2	Activator	cca	gnls
26530201	26530201~NTP	ap1-agonist_ratio	Activator	cca	gnls
26530201	26530201~NTP	ap1-agonist_via	Repressor	cca	hill.inv
26530201	26530201~NTP	are-bla_ch1	Inactive	cca	cnst
26530201	26530201~NTP	are-bla_ch2	Activator	cca	gnls
26530201	26530201~NTP	are-bla_ratio	Activator	cca	gnls
26530201	26530201~NTP	are-bla_via	Repressor	cca	hill.inv
26530201	26530201~NTP	esre-bla_ch1	Activator	rfp	hill
26530201	26530201~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
26530201	26530201~NTP	esre-bla_ratio	Activator	rfp	gnls.inv
26530201	26530201~NTP	esre-bla_via	Repressor	rfp	hill.inv
26530201	26530201~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
26530201	26530201~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
26530201	26530201~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
26530201	26530201~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
26530201	26530201~NTP	hse-bla_ch1	Repressor	PUC	hill.inv
26530201	26530201~NTP	hse-bla_ch2	Activator	PUC	gnls
26530201	26530201~NTP	hse-bla_ratio	Activator	PUC	hill
26530201	26530201~NTP	hse-bla_via	Complex	PUC	gnls.inv
26530201	26530201~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
26530201	26530201~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
26530201	26530201~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
26530201	26530201~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
26530201	26530201~NTP	p53-bla_ch1	Repressor	cca	hill.inv
26530201	26530201~NTP	p53-bla_ch2	Activator	cca	gnls
26530201	26530201~NTP	p53-bla_ratio	Activator	cca	gnls
26530201	26530201~NTP	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
26538443	26538443~NTP	are-bla_ch1	Activator	EUC	hill
26538443	26538443~NTP	are-bla_ch2	Activator	EUC	gnls
26538443	26538443~NTP	are-bla_ratio	Activator	EUC	gnls
26538443	26538443~NTP	are-bla_via	Inactive	EUC	cnst
26544387	26544387~NTP	are-bla_ch1	Inactive	cca	cnst
26544387	26544387~NTP	are-bla_ch2	Activator	cca	hill
26544387	26544387~NTP	are-bla_ratio	Activator	cca	hill
26544387	26544387~NTP	are-bla_via	Inactive	cca	cnst
2654571	2654571~EPA	ap1-agonist_ch1	Inactive	cca	cnst
2654571	2654571~EPA	ap1-agonist_ch2	Activator	cca	hill
2654571	2654571~EPA	ap1-agonist_ratio	Activator	cca	hill
2654571	2654571~EPA	ap1-agonist_via	Inactive	cca	cnst
26576841	26576841~NTP	are-bla_ch1	Inactive	cca	cnst
26576841	26576841~NTP	are-bla_ch2	Activator	cca	hill
26576841	26576841~NTP	are-bla_ratio	Activator	cca	hill
26576841	26576841~NTP	are-bla_via	Inactive	cca	cnst
26615214	26615214~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
26615214	26615214~FDA	ap1-agonist_ch2	Activator	cca	hill
26615214	26615214~FDA	ap1-agonist_ratio	Activator	cca	hill
26615214	26615214~FDA	ap1-agonist_via	Inactive	cca	cnst
2664600	2664600~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
2664600	2664600~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
2664600	2664600~NTP	ap1-agonist_ratio	Activator	rfp	hill
2664600	2664600~NTP	ap1-agonist_via	Inactive	rfp	cnst
2664633	2664633~NTP	are-bla_ch1	Inactive	cca	cnst
2664633	2664633~NTP	are-bla_ch2	Activator	cca	hill
2664633	2664633~NTP	are-bla_ratio	Activator	cca	hill
2664633	2664633~NTP	are-bla_via	Inactive	cca	cnst
267243287	267243287~FDA	are-bla_ch1	Repressor	cca	gnls.inv
267243287	267243287~FDA	are-bla_ch2	Activator	cca	gnls
267243287	267243287~FDA	are-bla_ratio	Activator	cca	gnls
267243287	267243287~FDA	are-bla_via	Repressor	cca	hill.inv
267243287	267243287~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
267243287	267243287~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
267243287	267243287~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
267243287	267243287~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
267243287	267243287~FDA	hse-bla_ch1	Repressor	cca	hill.inv
267243287	267243287~FDA	hse-bla_ch2	Activator	cca	hill
267243287	267243287~FDA	hse-bla_ratio	Activator	cca	hill
267243287	267243287~FDA	hse-bla_via	Inactive	cca	cnst
267243287	267243287~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
267243287	267243287~FDA	p53-bla_ch2	Activator	EOC	gnls
267243287	267243287~FDA	p53-bla_ratio	Activator	EOC	hill
267243287	267243287~FDA	p53-bla_via	Repressor	EOC	hill.inv
26750812	26750812~FDA	are-bla_ch1	Repressor	cca	hill.inv
26750812	26750812~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
26750812	26750812~FDA	are-bla_ratio	Activator	cca	hill
26750812	26750812~FDA	are-bla_via	Inactive	cca	cnst
26786323	26786323~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
26786323	26786323~FDA	ap1-agonist_ch2	Activator	cca	hill
26786323	26786323~FDA	ap1-agonist_ratio	Activator	cca	hill
26786323	26786323~FDA	ap1-agonist_via	Inactive	cca	cnst
26786323	26786323~FDA	are-bla_ch1	Inactive	cca	cnst
26786323	26786323~FDA	are-bla_ch2	Activator	cca	hill
26786323	26786323~FDA	are-bla_ratio	Activator	cca	hill
26786323	26786323~FDA	are-bla_via	Inactive	cca	cnst
2682204	2682204~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
2682204	2682204~NTP	ap1-agonist_ch2	Activator	cca	gnls
2682204	2682204~NTP	ap1-agonist_ratio	Activator	cca	gnls
2682204	2682204~NTP	ap1-agonist_via	Inactive	cca	cnst
26833874	26833874~FDA	p53-bla_ch1	Repressor	cca	hill.inv
26833874	26833874~FDA	p53-bla_ch2	Activator	cca	gnls
26833874	26833874~FDA	p53-bla_ratio	Activator	cca	gnls
26833874	26833874~FDA	p53-bla_via	Inactive	cca	cnst
2683434	2683434~EPA	are-bla_ch1	Inactive	cca	cnst
2683434	2683434~EPA	are-bla_ch2	Activator	cca	hill
2683434	2683434~EPA	are-bla_ratio	Activator	cca	hill
2683434	2683434~EPA	are-bla_via	Inactive	cca	cnst
26864562	26864562~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
26864562	26864562~FDA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
26864562	26864562~FDA	ap1-agonist_ratio	Activator	EOC/PUC	hill
26864562	26864562~FDA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
26864562	26864562~FDA	are-bla_ch1	Repressor	rfn	hill.inv
26864562	26864562~FDA	are-bla_ch2	Activator	rfn	gnls
26864562	26864562~FDA	are-bla_ratio	Inactive	rfn	gnls.inv
26864562	26864562~FDA	are-bla_via	Repressor	rfn	hill.inv
26864562	26864562~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
26864562	26864562~FDA	esre-bla_ch2	Inactive	rfp	gnls.inv
26864562	26864562~FDA	esre-bla_ratio	Activator	rfp	hill
26864562	26864562~FDA	esre-bla_via	Repressor	rfp	hill.inv
26864562	26864562~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
26864562	26864562~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
26864562	26864562~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
26864562	26864562~FDA	hre-bla-agonist_via	Repressor	rfp	gnls.inv
26864562	26864562~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
26864562	26864562~FDA	hse-bla_ch2	Inactive	rfp	cnst
26864562	26864562~FDA	hse-bla_ratio	Activator	rfp	hill
26864562	26864562~FDA	hse-bla_via	Repressor	rfp	hill.inv
26864562	26864562~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
26864562	26864562~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
26864562	26864562~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
26864562	26864562~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
26864562	26864562~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
26864562	26864562~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
26864562	26864562~FDA	p53-bla_ratio	Activator	rfp	hill
26864562	26864562~FDA	p53-bla_via	Repressor	rfp	hill.inv
2687254	2687254~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2687254	2687254~EPA	are-bla_ch2	Activator	EUC	gnls
2687254	2687254~EPA	are-bla_ratio	Activator	EUC	hill
2687254	2687254~EPA	are-bla_via	Inactive	EUC	cnst
2687254	2687254~NTP	are-bla_ch1	Repressor	cca	hill.inv
2687254	2687254~NTP	are-bla_ch2	Activator	cca	hill
2687254	2687254~NTP	are-bla_ratio	Activator	cca	hill
2687254	2687254~NTP	are-bla_via	Inactive	cca	cnst
2687947	2687947~EPA	are-bla_ch1	Inactive	rfn	cnst
2687947	2687947~EPA	are-bla_ch2	Activator	rfn	hill
2687947	2687947~EPA	are-bla_ratio	Inactive	rfn	cnst
2687947	2687947~EPA	are-bla_via	Inactive	rfn	cnst
2687969	2687969~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
2687969	2687969~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
2687969	2687969~EPA	ap1-agonist_ratio	Activator	rfp	hill
2687969	2687969~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
2687969	2687969~EPA	are-bla_ch1	Repressor	rfp	hill.inv
2687969	2687969~EPA	are-bla_ch2	Inactive	rfp	hill.inv
2687969	2687969~EPA	are-bla_ratio	Activator	rfp	gnls
2687969	2687969~EPA	are-bla_via	Repressor	rfp	hill.inv
2687969	2687969~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
2687969	2687969~EPA	hse-bla_ch2	Inactive	rfp	cnst
2687969	2687969~EPA	hse-bla_ratio	Activator	rfp	hill
2687969	2687969~EPA	hse-bla_via	Repressor	rfp	hill.inv
2687969	2687969~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2687969	2687969~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2687969	2687969~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2687969	2687969~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2687969	2687969~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2687969	2687969~EPA	p53-bla_ch2	Inactive	rfp	cnst
2687969	2687969~EPA	p53-bla_ratio	Activator	rfp	hill
2687969	2687969~EPA	p53-bla_via	Repressor	rfp	hill.inv
2693461	2693461~NTP	are-bla_ch1	Activator	rfn	hill
2693461	2693461~NTP	are-bla_ch2	Activator	rfn	hill
2693461	2693461~NTP	are-bla_ratio	Inactive	rfn	hill.inv
2693461	2693461~NTP	are-bla_via	Inactive	rfn	cnst
2693461	2693461~NTP	esre-bla_ch1	Activator	rfn	hill
2693461	2693461~NTP	esre-bla_ch2	Activator	rfn	hill
2693461	2693461~NTP	esre-bla_ratio	Inactive	rfn	hill.inv
2693461	2693461~NTP	esre-bla_via	Inactive	rfn	cnst
2693461	2693461~NTP	hre-bla-agonist_ch1	Activator	rfn	hill
2693461	2693461~NTP	hre-bla-agonist_ch2	Activator	rfn	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
2693461	2693461~NTP	hre-bla-agonist_ratio	Inactive	rfn	cnst
2693461	2693461~NTP	hre-bla-agonist_via	Repressor	rfn	hill.inv
2693461	2693461~NTP	hse-bla_ch1	Activator	rfn	hill
2693461	2693461~NTP	hse-bla_ch2	Activator	rfn	hill
2693461	2693461~NTP	hse-bla_ratio	Inactive	rfn	hill.inv
2693461	2693461~NTP	hse-bla_via	Inactive	rfn	cnst
2693461	2693461~NTP	p53-bla_ch1	Activator	rfn	hill
2693461	2693461~NTP	p53-bla_ch2	Activator	rfn	hill
2693461	2693461~NTP	p53-bla_ratio	Inactive	rfn	hill.inv
2693461	2693461~NTP	p53-bla_via	Inactive	rfn	cnst
2695376	2695376~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
2695376	2695376~EPA	ap1-agonist_ch2	Activator	cca	hill
2695376	2695376~EPA	ap1-agonist_ratio	Activator	cca	hill
2695376	2695376~EPA	ap1-agonist_via	Activator	cca	hill
2695376	2695376~EPA	are-bla_ch1	Inactive	EUC	cnst
2695376	2695376~EPA	are-bla_ch2	Activator	EUC	hill
2695376	2695376~EPA	are-bla_ratio	Activator	EUC	hill
2695376	2695376~EPA	are-bla_via	Inactive	EUC	cnst
27007858	27007858~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
27007858	27007858~FDA	p53-bla_ch2	Inactive	rfp	cnst
27007858	27007858~FDA	p53-bla_ratio	Activator	rfp	hill
27007858	27007858~FDA	p53-bla_via	Repressor	rfp	hill.inv
27176870	27176870~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
27176870	27176870~EPA	ap1-agonist_ch2	Activator	cca	gnls
27176870	27176870~EPA	ap1-agonist_ratio	Activator	cca	gnls
27176870	27176870~EPA	ap1-agonist_via	Repressor	cca	hill.inv
27176870	27176870~EPA	are-bla_ch1	Repressor	cca	hill.inv
27176870	27176870~EPA	are-bla_ch2	Activator	cca	gnls
27176870	27176870~EPA	are-bla_ratio	Activator	cca	gnls
27176870	27176870~EPA	are-bla_via	Repressor	cca	hill.inv
27176870	27176870~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~EPA	esre-bla_ch2	Inactive	rfp	cnst
27176870	27176870~EPA	esre-bla_ratio	Activator	rfp	hill
27176870	27176870~EPA	esre-bla_via	Repressor	rfp	hill.inv
27176870	27176870~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
27176870	27176870~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
27176870	27176870~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
27176870	27176870~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
27176870	27176870~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~EPA	hse-bla_ch2	Inactive	rfp	cnst
27176870	27176870~EPA	hse-bla_ratio	Activator	rfp	hill
27176870	27176870~EPA	hse-bla_via	Repressor	rfp	hill.inv
27176870	27176870~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~EPA	p53-bla_ch2	Inactive	rfp	cnst
27176870	27176870~EPA	p53-bla_ratio	Activator	rfp	hill
27176870	27176870~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
27176870	27176870~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
27176870	27176870~FDA	ap1-agonist_ch2	Activator	cca	gnls
27176870	27176870~FDA	ap1-agonist_ratio	Activator	cca	gnls
27176870	27176870~FDA	ap1-agonist_via	Repressor	cca	hill.inv
27176870	27176870~FDA	are-bla_ch1	Repressor	cca	hill.inv
27176870	27176870~FDA	are-bla_ch2	Activator	cca	gnls
27176870	27176870~FDA	are-bla_ratio	Activator	cca	gnls
27176870	27176870~FDA	are-bla_via	Repressor	cca	hill.inv
27176870	27176870~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~FDA	esre-bla_ch2	Inactive	rfp	cnst
27176870	27176870~FDA	esre-bla_ratio	Activator	rfp	hill
27176870	27176870~FDA	esre-bla_via	Repressor	rfp	hill.inv
27176870	27176870~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
27176870	27176870~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
27176870	27176870~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
27176870	27176870~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
27176870	27176870~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~FDA	hse-bla_ch2	Inactive	rfp	cnst
27176870	27176870~FDA	hse-bla_ratio	Activator	rfp	hill
27176870	27176870~FDA	hse-bla_via	Repressor	rfp	hill.inv
27176870	27176870~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~FDA	p53-bla_ch2	Inactive	rfp	cnst
27176870	27176870~FDA	p53-bla_ratio	Activator	rfp	hill
27176870	27176870~FDA	p53-bla_via	Repressor	rfp	hill.inv
27176870	27176870~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
27176870	27176870~NTP	ap1-agonist_ch2	Activator	EOC	gnls
27176870	27176870~NTP	ap1-agonist_ratio	Activator	EOC	gnls
27176870	27176870~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
27176870	27176870~NTP	are-bla_ch1	Repressor	EUC	hill.inv
27176870	27176870~NTP	are-bla_ch2	Activator	EUC	gnls
27176870	27176870~NTP	are-bla_ratio	Activator	EUC	hill
27176870	27176870~NTP	are-bla_via	Repressor	EUC	hill.inv
27176870	27176870~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~NTP	esre-bla_ch2	Inactive	rfp	cnst
27176870	27176870~NTP	esre-bla_ratio	Activator	rfp	hill
27176870	27176870~NTP	esre-bla_via	Repressor	rfp	hill.inv
27176870	27176870~NTP	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
27176870	27176870~NTP	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
27176870	27176870~NTP	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
27176870	27176870~NTP	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
27176870	27176870~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
27176870	27176870~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
27176870	27176870~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
27176870	27176870~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
27176870	27176870~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
27176870	27176870~NTP	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
27176870	27176870~NTP	p53-bla_ratio	Activator	rfp	hill
27176870	27176870~NTP	p53-bla_via	Repressor	rfp	hill.inv
27193288	27193288~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
27193288	27193288~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
27193288	27193288~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
27193288	27193288~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
27193288	27193288~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
27193288	27193288~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
27193288	27193288~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
27193288	27193288~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
27193288	27193288~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
27193288	27193288~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
27193288	27193288~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
27193288	27193288~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
27193288	27193288~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
27193288	27193288~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
27193288	27193288~NTP	p53-bla_ratio	Activator	rfp	hill
27193288	27193288~NTP	p53-bla_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
27193868	27193868~EPA	ap1-agonist_ratio	Activator	rfp	hill
27193868	27193868~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	are-bla_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	are-bla_ch2	Inactive	rfp	hill.inv
27193868	27193868~EPA	are-bla_ratio	Activator	rfp	gnls
27193868	27193868~EPA	are-bla_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
27193868	27193868~EPA	esre-bla_ratio	Activator	rfp	hill
27193868	27193868~EPA	esre-bla_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
27193868	27193868~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
27193868	27193868~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	hse-bla_ch2	Inactive	rfp	cnst
27193868	27193868~EPA	hse-bla_ratio	Activator	rfp	hill
27193868	27193868~EPA	hse-bla_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
27193868	27193868~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
27193868	27193868~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
27193868	27193868~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
27193868	27193868~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
27193868	27193868~EPA	p53-bla_ratio	Activator	rfp	hill
27193868	27193868~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
27193868	27193868~NTP	ap1-agonist_ch1	Repressor	rfp	gnls.inv
27193868	27193868~NTP	ap1-agonist_ch2	Inactive	rfp	gnls.inv
27193868	27193868~NTP	ap1-agonist_ratio	Activator	rfp	hill
27193868	27193868~NTP	ap1-agonist_via	Complex	rfp	gnls.inv
27193868	27193868~NTP	are-bla_ch1	Repressor	EOC	hill.inv
27193868	27193868~NTP	are-bla_ch2	Activator	EOC	gnls
27193868	27193868~NTP	are-bla_ratio	Activator	EOC	gnls
27193868	27193868~NTP	are-bla_via	Repressor	EOC	hill.inv
27193868	27193868~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
27193868	27193868~NTP	hse-bla_ch2	Inactive	rfp	cnst
27193868	27193868~NTP	hse-bla_ratio	Activator	rfp	hill
27193868	27193868~NTP	hse-bla_via	Repressor	rfp	hill.inv
27193868	27193868~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
27193868	27193868~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
27193868	27193868~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
27193868	27193868~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
27193868	27193868~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
27193868	27193868~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
27193868	27193868~NTP	p53-bla_ratio	Activator	rfp	hill
27193868	27193868~NTP	p53-bla_via	Repressor	rfp	hill.inv
27199402	27199402~FDA	are-bla_ch1	Repressor	cca	hill.inv
27199402	27199402~FDA	are-bla_ch2	Activator	cca	hill
27199402	27199402~FDA	are-bla_ratio	Activator	cca	hill
27199402	27199402~FDA	are-bla_via	Inactive	cca	cnst
27306781	27306781~EPA	are-bla_ch1	Repressor	cca	hill.inv
27306781	27306781~EPA	are-bla_ch2	Activator	cca	gnls
27306781	27306781~EPA	are-bla_ratio	Activator	cca	gnls
27306781	27306781~EPA	are-bla_via	Inactive	cca	cnst
27306781	27306781~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
27306781	27306781~EPA	hse-bla_ch2	Inactive	rfp	cnst
27306781	27306781~EPA	hse-bla_ratio	Activator	rfp	hill
27306781	27306781~EPA	hse-bla_via	Repressor	rfp	hill.inv
27323417	27323417~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
27323417	27323417~EPA	ap1-agonist_ch2	Activator	cca	gnls
27323417	27323417~EPA	ap1-agonist_ratio	Activator	cca	hill
27323417	27323417~EPA	ap1-agonist_via	Repressor	cca	hill.inv
27344418	27344418~EPA	ap1-agonist_ch1	Inactive	cca	cnst
27344418	27344418~EPA	ap1-agonist_ch2	Activator	cca	hill
27344418	27344418~EPA	ap1-agonist_ratio	Activator	cca	hill
27344418	27344418~EPA	ap1-agonist_via	Inactive	cca	cnst
27344418	27344418~EPA	are-bla_ch1	Activator	EUC	hill
27344418	27344418~EPA	are-bla_ch2	Activator	EUC	hill
27344418	27344418~EPA	are-bla_ratio	Activator	EUC	hill
27344418	27344418~EPA	are-bla_via	Inactive	EUC	cnst
27344418	27344418~EPA	esre-bla_ch1	Activator	EUC	hill
27344418	27344418~EPA	esre-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
27344418	27344418~EPA	esre-bla_ratio	Activator	EUC	hill
27344418	27344418~EPA	esre-bla_via	Inactive	EUC	cnst
27344418	27344418~EPA	hre-bla-agonist_ch1	Activator	EUC	hill
27344418	27344418~EPA	hre-bla-agonist_ch2	Activator	EUC	hill
27344418	27344418~EPA	hre-bla-agonist_ratio	Activator	EUC	hill
27344418	27344418~EPA	hre-bla-agonist_via	Inactive	EUC	cnst
27344418	27344418~EPA	hse-bla_ch1	Activator	EUC	hill
27344418	27344418~EPA	hse-bla_ch2	Activator	EUC	hill
27344418	27344418~EPA	hse-bla_ratio	Activator	EUC	hill
27344418	27344418~EPA	hse-bla_via	Inactive	EUC	cnst
27344418	27344418~EPA	nfkb-bla-agonist_ch1	Activator	EUC	hill
27344418	27344418~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
27344418	27344418~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
27344418	27344418~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst
27344418	27344418~EPA	p53-bla_ch1	Activator	EUC	hill
27344418	27344418~EPA	p53-bla_ch2	Activator	EUC	hill
27344418	27344418~EPA	p53-bla_ratio	Activator	EUC	hill
27344418	27344418~EPA	p53-bla_via	Inactive	EUC	cnst
27470515	27470515~FDA	are-bla_ch1	Inactive	cca	cnst
27470515	27470515~FDA	are-bla_ch2	Activator	cca	hill
27470515	27470515~FDA	are-bla_ratio	Activator	cca	hill
27470515	27470515~FDA	are-bla_via	Inactive	cca	cnst
27523406	27523406~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
27523406	27523406~FDA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
27523406	27523406~FDA	ap1-agonist_ratio	Activator	EOC/PUC	gnls
27523406	27523406~FDA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
27523406	27523406~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
27523406	27523406~FDA	esre-bla_ch2	Inactive	rfp	cnst
27523406	27523406~FDA	esre-bla_ratio	Activator	rfp	hill
27523406	27523406~FDA	esre-bla_via	Inactive	rfp	cnst
27523406	27523406~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
27523406	27523406~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
27523406	27523406~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
27523406	27523406~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
27523406	27523406~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
27523406	27523406~FDA	hse-bla_ch2	Activator	EOC	hill
27523406	27523406~FDA	hse-bla_ratio	Activator	EOC	hill
27523406	27523406~FDA	hse-bla_via	Repressor	EOC	hill.inv
27523406	27523406~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
27523406	27523406~FDA	p53-bla_ch2	Inactive	rfp	cnst
27523406	27523406~FDA	p53-bla_ratio	Activator	rfp	hill
27523406	27523406~FDA	p53-bla_via	Inactive	rfp	cnst
27589339	27589339~FDA	are-bla_ch1	Inactive	EUC	cnst
27589339	27589339~FDA	are-bla_ch2	Activator	EUC	hill
27589339	27589339~FDA	are-bla_ratio	Activator	EUC	hill
27589339	27589339~FDA	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
27591975	27591975~FDA	are-bla_ch1	Inactive	rfn	cnst
27591975	27591975~FDA	are-bla_ch2	Activator	rfn	hill
27591975	27591975~FDA	are-bla_ratio	Inactive	rfn	cnst
27591975	27591975~FDA	are-bla_via	Inactive	rfn	cnst
27593233	27593233~EPA	are-bla_ch1	Inactive	cca	cnst
27593233	27593233~EPA	are-bla_ch2	Activator	cca	hill
27593233	27593233~EPA	are-bla_ratio	Activator	cca	hill
27593233	27593233~EPA	are-bla_via	Inactive	cca	cnst
2759719	2759719~FDA	are-bla_ch1	Inactive	cca	cnst
2759719	2759719~FDA	are-bla_ch2	Activator	cca	hill
2759719	2759719~FDA	are-bla_ratio	Activator	cca	hill
2759719	2759719~FDA	are-bla_via	Inactive	cca	cnst
2767546	2767546~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2767546	2767546~EPA	ap1-agonist_ch2	Activator	EOC	gnls
2767546	2767546~EPA	ap1-agonist_ratio	Activator	EOC	gnls
2767546	2767546~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
2767546	2767546~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2767546	2767546~EPA	are-bla_ch2	Activator	EUC	gnls
2767546	2767546~EPA	are-bla_ratio	Activator	EUC	gnls
2767546	2767546~EPA	are-bla_via	Repressor	EUC	hill.inv
2767546	2767546~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2767546	2767546~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
2767546	2767546~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2767546	2767546~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2767546	2767546~EPA	hse-bla_ch1	Repressor	cca	hill.inv
2767546	2767546~EPA	hse-bla_ch2	Activator	cca	gnls
2767546	2767546~EPA	hse-bla_ratio	Activator	cca	gnls
2767546	2767546~EPA	hse-bla_via	Repressor	cca	hill.inv
2767546	2767546~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2767546	2767546~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2767546	2767546~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2767546	2767546~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2767546	2767546~EPA	p53-bla_ch1	Repressor	PUC	gnls.inv
2767546	2767546~EPA	p53-bla_ch2	Activator	PUC	gnls
2767546	2767546~EPA	p53-bla_ratio	Activator	PUC	gnls
2767546	2767546~EPA	p53-bla_via	Repressor	PUC	hill.inv
2772454	2772454~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
2772454	2772454~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
2772454	2772454~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
2772454	2772454~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
2772454	2772454~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
2772454	2772454~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
2772454	2772454~EPA	esre-bla_ratio	Activator	rfp	hill
2772454	2772454~EPA	esre-bla_via	Repressor	rfp	hill.inv
2772454	2772454~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2772454	2772454~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2772454	2772454~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
2772454	2772454~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
2772454	2772454~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
2772454	2772454~EPA	hse-bla_ch2	Inactive	rfp	cnst
2772454	2772454~EPA	hse-bla_ratio	Activator	rfp	hill
2772454	2772454~EPA	hse-bla_via	Repressor	rfp	hill.inv
2772454	2772454~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2772454	2772454~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2772454	2772454~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
2772454	2772454~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2772454	2772454~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2772454	2772454~EPA	p53-bla_ch2	Inactive	rfp	cnst
2772454	2772454~EPA	p53-bla_ratio	Activator	rfp	hill
2772454	2772454~EPA	p53-bla_via	Repressor	rfp	hill.inv
2772454	2772454~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
2772454	2772454~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
2772454	2772454~NTP	ap1-agonist_ratio	Activator	rfp	hill
2772454	2772454~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
2772454	2772454~NTP	are-bla_ch1	Repressor	cca	hill.inv
2772454	2772454~NTP	are-bla_ch2	Activator	cca	gnls
2772454	2772454~NTP	are-bla_ratio	Activator	cca	gnls
2772454	2772454~NTP	are-bla_via	Repressor	cca	hill.inv
2772454	2772454~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
2772454	2772454~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
2772454	2772454~NTP	esre-bla_ratio	Activator	rfp	hill
2772454	2772454~NTP	esre-bla_via	Repressor	rfp	hill.inv
2772454	2772454~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
2772454	2772454~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
2772454	2772454~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
2772454	2772454~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
2772454	2772454~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
2772454	2772454~NTP	hse-bla_ch2	Inactive	rfp	cnst
2772454	2772454~NTP	hse-bla_ratio	Activator	rfp	hill
2772454	2772454~NTP	hse-bla_via	Repressor	rfp	hill.inv
2772454	2772454~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
2772454	2772454~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
2772454	2772454~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
2772454	2772454~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
2772454	2772454~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
2772454	2772454~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
2772454	2772454~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
2772454	2772454~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
2773924	2773924~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2773924	2773924~FDA	ap1-agonist_ch2	Activator	EOC	hill
2773924	2773924~FDA	ap1-agonist_ratio	Activator	EOC	hill
2773924	2773924~FDA	ap1-agonist_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2773924	2773924~FDA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
2773924	2773924~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
2773924	2773924~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
2773924	2773924~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
2778429	2778429~NTP	are-bla_ch1	Inactive	rfn	cnst
2778429	2778429~NTP	are-bla_ch2	Activator	rfn	hill
2778429	2778429~NTP	are-bla_ratio	Inactive	rfn	cnst
2778429	2778429~NTP	are-bla_via	Inactive	rfn	cnst
27833643	27833643~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
27833643	27833643~FDA	ap1-agonist_ch2	Activator	cca	gnls
27833643	27833643~FDA	ap1-agonist_ratio	Activator	cca	hill
27833643	27833643~FDA	ap1-agonist_via	Inactive	cca	cnst
27877516	27877516~FDA	are-bla_ch1	Inactive	EUC	cnst
27877516	27877516~FDA	are-bla_ch2	Activator	EUC	hill
27877516	27877516~FDA	are-bla_ratio	Activator	EUC	hill
27877516	27877516~FDA	are-bla_via	Inactive	EUC	cnst
27887849	27887849~FDA	are-bla_ch1	Inactive	cca	cnst
27887849	27887849~FDA	are-bla_ch2	Activator	cca	hill
27887849	27887849~FDA	are-bla_ratio	Activator	cca	hill
27887849	27887849~FDA	are-bla_via	Inactive	cca	cnst
2795393	2795393~EPA	are-bla_ch1	Repressor	rfn	hill.inv
2795393	2795393~EPA	are-bla_ch2	Activator	rfn	gnls
2795393	2795393~EPA	are-bla_ratio	Inactive	rfn	cnst
2795393	2795393~EPA	are-bla_via	Repressor	rfn	hill.inv
27955948	27955948~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
27955948	27955948~EPA	ap1-agonist_ch2	Activator	cca	gnls
27955948	27955948~EPA	ap1-agonist_ratio	Activator	cca	gnls
27955948	27955948~EPA	ap1-agonist_via	Inactive	cca	cnst
27955948	27955948~EPA	are-bla_ch1	Repressor	EUC	hill.inv
27955948	27955948~EPA	are-bla_ch2	Activator	EUC	gnls
27955948	27955948~EPA	are-bla_ratio	Activator	EUC	gnls
27955948	27955948~EPA	are-bla_via	Repressor	EUC	hill.inv
27955948	27955948~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
27955948	27955948~EPA	hre-bla-agonist_ch2	Activator	cca	hill
27955948	27955948~EPA	hre-bla-agonist_ratio	Activator	cca	hill
27955948	27955948~EPA	hre-bla-agonist_via	Inactive	cca	cnst
27955948	27955948~EPA	p53-bla_ch1	Repressor	cca	hill.inv
27955948	27955948~EPA	p53-bla_ch2	Activator	cca	gnls
27955948	27955948~EPA	p53-bla_ratio	Activator	cca	gnls
27955948	27955948~EPA	p53-bla_via	Repressor	cca	hill.inv
27994112	27994112~NTP	ap1-agonist_ch1	Inactive	cca	cnst
27994112	27994112~NTP	ap1-agonist_ch2	Activator	cca	hill
27994112	27994112~NTP	ap1-agonist_ratio	Activator	cca	hill
27994112	27994112~NTP	ap1-agonist_via	Inactive	cca	cnst
280579	280579~EPA	are-bla_ch1	Inactive	EUC	cnst
280579	280579~EPA	are-bla_ch2	Activator	EUC	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
280579	280579~EPA	are-bla_ratio	Activator	EUC	hill
280579	280579~EPA	are-bla_via	Inactive	EUC	cnst
28094157	28094157~FDA	esre-bla_ch1	Inactive	cca	cnst
28094157	28094157~FDA	esre-bla_ch2	Activator	cca	gnls
28094157	28094157~FDA	esre-bla_ratio	Activator	cca	gnls
28094157	28094157~FDA	esre-bla_via	Inactive	cca	cnst
28300745	28300745~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
28300745	28300745~NTP	ap1-agonist_ch2	Activator	EOC	gnls
28300745	28300745~NTP	ap1-agonist_ratio	Activator	EOC	gnls
28300745	28300745~NTP	ap1-agonist_via	Inactive	EOC	cnst
28300745	28300745~NTP	are-bla_ch1	Repressor	cca	hill.inv
28300745	28300745~NTP	are-bla_ch2	Activator	cca	hill
28300745	28300745~NTP	are-bla_ratio	Activator	cca	gnls
28300745	28300745~NTP	are-bla_via	Inactive	cca	cnst
28300745	28300745~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
28300745	28300745~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
28300745	28300745~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
28300745	28300745~NTP	hre-bla-agonist_via	Activator	rfp	hill
28300745	28300745~NTP	hse-bla_ch1	Repressor	cca	hill.inv
28300745	28300745~NTP	hse-bla_ch2	Activator	cca	gnls
28300745	28300745~NTP	hse-bla_ratio	Activator	cca	gnls
28300745	28300745~NTP	hse-bla_via	Inactive	cca	cnst
2832191	2832191~EPA	are-bla_ch1	Inactive	EUC	cnst
2832191	2832191~EPA	are-bla_ch2	Activator	EUC	hill
2832191	2832191~EPA	are-bla_ratio	Activator	EUC	hill
2832191	2832191~EPA	are-bla_via	Inactive	EUC	cnst
283594901	283594901~EPA	are-bla_ch1	Inactive	cca	cnst
283594901	283594901~EPA	are-bla_ch2	Activator	cca	hill
283594901	283594901~EPA	are-bla_ratio	Activator	cca	hill
283594901	283594901~EPA	are-bla_via	Inactive	cca	cnst
2835952	2835952~EPA	are-bla_ch1	Inactive	cca	cnst
2835952	2835952~EPA	are-bla_ch2	Activator	cca	hill
2835952	2835952~EPA	are-bla_ratio	Activator	cca	hill
2835952	2835952~EPA	are-bla_via	Inactive	cca	cnst
2835952	2835952~FDA	ap1-agonist_ch1	Inactive	cca	cnst
2835952	2835952~FDA	ap1-agonist_ch2	Activator	cca	hill
2835952	2835952~FDA	ap1-agonist_ratio	Activator	cca	hill
2835952	2835952~FDA	ap1-agonist_via	Inactive	cca	cnst
2835952	2835952~FDA	are-bla_ch1	Repressor	cca	hill.inv
2835952	2835952~FDA	are-bla_ch2	Activator	cca	hill
2835952	2835952~FDA	are-bla_ratio	Activator	cca	hill
2835952	2835952~FDA	are-bla_via	Inactive	cca	cnst
2835952	2835952~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2835952	2835952~NTP	ap1-agonist_ch2	Activator	cca	hill
2835952	2835952~NTP	ap1-agonist_ratio	Activator	cca	gnls
2835952	2835952~NTP	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
2835952	2835952~NTP	are-bla_ch1	Repressor	cca	hill.inv
2835952	2835952~NTP	are-bla_ch2	Activator	cca	hill
2835952	2835952~NTP	are-bla_ratio	Activator	cca	hill
2835952	2835952~NTP	are-bla_via	Inactive	cca	cnst
2835974	2835974~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2835974	2835974~NTP	ap1-agonist_ch2	Activator	cca	gnls
2835974	2835974~NTP	ap1-agonist_ratio	Activator	cca	gnls
2835974	2835974~NTP	ap1-agonist_via	Repressor	cca	hill.inv
2835974	2835974~NTP	are-bla_ch1	Repressor	EUC	hill.inv
2835974	2835974~NTP	are-bla_ch2	Activator	EUC	hill
2835974	2835974~NTP	are-bla_ratio	Activator	EUC	hill
2835974	2835974~NTP	are-bla_via	Inactive	EUC	cnst
2835996	2835996~NTP	are-bla_ch1	Inactive	cca	cnst
2835996	2835996~NTP	are-bla_ch2	Activator	cca	hill
2835996	2835996~NTP	are-bla_ratio	Activator	cca	hill
2835996	2835996~NTP	are-bla_via	Inactive	cca	cnst
28434006	28434006~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
28434006	28434006~EPA	ap1-agonist_ch2	Activator	EOC	hill
28434006	28434006~EPA	ap1-agonist_ratio	Activator	EOC	hill
28434006	28434006~EPA	ap1-agonist_via	Inactive	EOC	cnst
28434006	28434006~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
28434006	28434006~EPA	hse-bla_ch2	Inactive	rfp	cnst
28434006	28434006~EPA	hse-bla_ratio	Activator	rfp	hill
28434006	28434006~EPA	hse-bla_via	Repressor	rfp	hill.inv
2855198	2855198~EPA	are-bla_ch1	Inactive	cca	cnst
2855198	2855198~EPA	are-bla_ch2	Activator	cca	hill
2855198	2855198~EPA	are-bla_ratio	Activator	cca	hill
2855198	2855198~EPA	are-bla_via	Inactive	cca	cnst
28588752	28588752~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
28588752	28588752~EPA	ap1-agonist_ch2	Activator	cca	hill
28588752	28588752~EPA	ap1-agonist_ratio	Activator	cca	hill
28588752	28588752~EPA	ap1-agonist_via	Inactive	cca	cnst
28588752	28588752~EPA	hse-bla_ch1	Repressor	cca	hill.inv
28588752	28588752~EPA	hse-bla_ch2	Activator	cca	hill
28588752	28588752~EPA	hse-bla_ratio	Activator	cca	hill
28588752	28588752~EPA	hse-bla_via	Repressor	cca	hill.inv
28664359	28664359~EPA	are-bla_ch1	Inactive	cca	cnst
28664359	28664359~EPA	are-bla_ch2	Activator	cca	hill
28664359	28664359~EPA	are-bla_ratio	Activator	cca	hill
28664359	28664359~EPA	are-bla_via	Inactive	cca	cnst
2871014	2871014~EPA	are-bla_ch1	Repressor	cca	hill.inv
2871014	2871014~EPA	are-bla_ch2	Activator	cca	hill
2871014	2871014~EPA	are-bla_ratio	Activator	cca	hill
2871014	2871014~EPA	are-bla_via	Inactive	cca	cnst
28730178	28730178~EPA	are-bla_ch1	Repressor	cca	hill.inv
28730178	28730178~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
28730178	28730178~EPA	are-bla_ratio	Activator	cca	hill
28730178	28730178~EPA	are-bla_via	Inactive	cca	cnst
28768323	28768323~EPA	are-bla_ch1	Repressor	cca	gnls.inv
28768323	28768323~EPA	are-bla_ch2	Activator	cca	hill
28768323	28768323~EPA	are-bla_ratio	Activator	cca	hill
28768323	28768323~EPA	are-bla_via	Inactive	cca	cnst
28768323	28768323~EPA	hse-bla_ch1	Repressor	cca	hill.inv
28768323	28768323~EPA	hse-bla_ch2	Activator	cca	hill
28768323	28768323~EPA	hse-bla_ratio	Activator	cca	hill
28768323	28768323~EPA	hse-bla_via	Inactive	cca	cnst
28768323	28768323~EPA	p53-bla_ch1	Repressor	cca	hill.inv
28768323	28768323~EPA	p53-bla_ch2	Activator	cca	gnls
28768323	28768323~EPA	p53-bla_ratio	Activator	cca	gnls
28768323	28768323~EPA	p53-bla_via	Inactive	cca	cnst
28772567	28772567~EPA	are-bla_ch1	Activator	EUC	hill
28772567	28772567~EPA	are-bla_ch2	Activator	EUC	gnls
28772567	28772567~EPA	are-bla_ratio	Activator	EUC	gnls
28772567	28772567~EPA	are-bla_via	Repressor	EUC	hill.inv
28772567	28772567~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
28772567	28772567~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
28772567	28772567~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
28772567	28772567~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
28772567	28772567~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
28772567	28772567~EPA	p53-bla_ch2	Activator	EOC	hill
28772567	28772567~EPA	p53-bla_ratio	Activator	EOC	hill
28772567	28772567~EPA	p53-bla_via	Inactive	EOC	cnst
28772567	28772567~FDA	are-bla_ch1	Activator	rfn	hill
28772567	28772567~FDA	are-bla_ch2	Activator	rfn	hill
28772567	28772567~FDA	are-bla_ratio	Inactive	rfn	hill.inv
28772567	28772567~FDA	are-bla_via	Inactive	rfn	cnst
28772567	28772567~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
28772567	28772567~FDA	p53-bla_ch2	Inactive	rfp	cnst
28772567	28772567~FDA	p53-bla_ratio	Activator	rfp	hill
28772567	28772567~FDA	p53-bla_via	Repressor	rfp	hill.inv
28777982	28777982~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
28777982	28777982~NTP	ap1-agonist_ch2	Activator	cca	hill
28777982	28777982~NTP	ap1-agonist_ratio	Activator	cca	hill
28777982	28777982~NTP	ap1-agonist_via	Inactive	cca	cnst
288104790	288104790~EPA	are-bla_ch1	Inactive	cca	cnst
288104790	288104790~EPA	are-bla_ch2	Activator	cca	gnls
288104790	288104790~EPA	are-bla_ratio	Activator	cca	gnls
288104790	288104790~EPA	are-bla_via	Inactive	cca	cnst
288104790	288104790~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
288104790	288104790~EPA	p53-bla_ch2	Activator	PUC	gnls
288104790	288104790~EPA	p53-bla_ratio	Activator	PUC	hill
288104790	288104790~EPA	p53-bla_via	Repressor	PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
28868760	28868760~FDA	are-bla_ch1	Inactive	cca	cnst
28868760	28868760~FDA	are-bla_ch2	Activator	cca	hill
28868760	28868760~FDA	are-bla_ratio	Activator	cca	hill
28868760	28868760~FDA	are-bla_via	Inactive	cca	cnst
28961435	28961435~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
28961435	28961435~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
28961435	28961435~NTP	ap1-agonist_ratio	Activator	rfp	gnls
28961435	28961435~NTP	ap1-agonist_via	Inactive	rfp	cnst
28961435	28961435~NTP	are-bla_ch1	Repressor	EUC/POC	gnls.inv
28961435	28961435~NTP	are-bla_ch2	Activator	EUC/POC	hill
28961435	28961435~NTP	are-bla_ratio	Activator	EUC/POC	hill
28961435	28961435~NTP	are-bla_via	Inactive	EUC/POC	cnst
28961435	28961435~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
28961435	28961435~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
28961435	28961435~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
28961435	28961435~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
289716945	289716945~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
289716945	289716945~EPA	ap1-agonist_ch2	Activator	EOC	gnls
289716945	289716945~EPA	ap1-agonist_ratio	Activator	EOC	hill
289716945	289716945~EPA	ap1-agonist_via	Inactive	EOC	cnst
289716945	289716945~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
289716945	289716945~EPA	esre-bla_ch2	Inactive	rfp	cnst
289716945	289716945~EPA	esre-bla_ratio	Activator	rfp	hill
289716945	289716945~EPA	esre-bla_via	Inactive	rfp	cnst
289716945	289716945~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
289716945	289716945~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
289716945	289716945~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
289716945	289716945~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
29091052	29091052~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
29091052	29091052~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
29091052	29091052~EPA	ap1-agonist_ratio	Activator	rfp	hill
29091052	29091052~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
29091096	29091096~EPA	are-bla_ch1	Repressor	cca	hill.inv
29091096	29091096~EPA	are-bla_ch2	Activator	cca	gnls
29091096	29091096~EPA	are-bla_ratio	Activator	cca	gnls
29091096	29091096~EPA	are-bla_via	Repressor	cca	hill.inv
29091096	29091096~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
29091096	29091096~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
29091096	29091096~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
29091096	29091096~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
29091096	29091096~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
29091096	29091096~EPA	hse-bla_ch2	Inactive	rfp	cnst
29091096	29091096~EPA	hse-bla_ratio	Activator	rfp	hill
29091096	29091096~EPA	hse-bla_via	Repressor	rfp	hill.inv
29091096	29091096~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
29091096	29091096~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
29091096	29091096~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
29091096	29091096~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
29091212	29091212~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
29091212	29091212~EPA	ap1-agonist_ch2	Activator	cca	gnls
29091212	29091212~EPA	ap1-agonist_ratio	Activator	cca	hill
29091212	29091212~EPA	ap1-agonist_via	Repressor	cca	hill.inv
29091212	29091212~EPA	are-bla_ch1	Repressor	cca	hill.inv
29091212	29091212~EPA	are-bla_ch2	Activator	cca	gnls
29091212	29091212~EPA	are-bla_ratio	Activator	cca	hill
29091212	29091212~EPA	are-bla_via	Repressor	cca	hill.inv
29091212	29091212~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
29091212	29091212~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
29091212	29091212~EPA	esre-bla_ratio	Activator	rfp	hill
29091212	29091212~EPA	esre-bla_via	Repressor	rfp	hill.inv
29091212	29091212~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
29091212	29091212~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
29091212	29091212~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
29091212	29091212~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
29091212	29091212~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
29091212	29091212~EPA	hse-bla_ch2	Inactive	rfp	cnst
29091212	29091212~EPA	hse-bla_ratio	Activator	rfp	hill
29091212	29091212~EPA	hse-bla_via	Repressor	rfp	hill.inv
29091212	29091212~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
29091212	29091212~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
29091212	29091212~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
29091212	29091212~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
29091212	29091212~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
29091212	29091212~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
29091212	29091212~EPA	p53-bla_ratio	Activator	rfp	hill
29091212	29091212~EPA	p53-bla_via	Repressor	rfp	hill.inv
29094619	29094619~EPA	are-bla_ch1	Inactive	EUC	cnst
29094619	29094619~EPA	are-bla_ch2	Activator	EUC	hill
29094619	29094619~EPA	are-bla_ratio	Activator	EUC	hill
29094619	29094619~EPA	are-bla_via	Inactive	EUC	cnst
291305061	291305061~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
291305061	291305061~EPA	ap1-agonist_ch2	Activator	cca	gnls
291305061	291305061~EPA	ap1-agonist_ratio	Activator	cca	gnls
291305061	291305061~EPA	ap1-agonist_via	Inactive	cca	cnst
291305061	291305061~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
291305061	291305061~EPA	p53-bla_ch2	Inactive	rfp	cnst
291305061	291305061~EPA	p53-bla_ratio	Activator	rfp	hill
291305061	291305061~EPA	p53-bla_via	Repressor	rfp	hill.inv
2919666	2919666~EPA	are-bla_ch1	Inactive	cca	cnst
2919666	2919666~EPA	are-bla_ch2	Activator	cca	hill
2919666	2919666~EPA	are-bla_ratio	Activator	cca	hill
2919666	2919666~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
2919666	2919666~FDA	are-bla_ch1	Repressor	cca	hill.inv
2919666	2919666~FDA	are-bla_ch2	Activator	cca	hill
2919666	2919666~FDA	are-bla_ratio	Activator	cca	hill
2919666	2919666~FDA	are-bla_via	Inactive	cca	cnst
2921882	2921882~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
2921882	2921882~EPA	ap1-agonist_ch2	Activator	cca	hill
2921882	2921882~EPA	ap1-agonist_ratio	Activator	cca	hill
2921882	2921882~EPA	ap1-agonist_via	Inactive	cca	cnst
2921882	2921882~EPA	are-bla_ch1	Inactive	PUC	cnst
2921882	2921882~EPA	are-bla_ch2	Activator	PUC	hill
2921882	2921882~EPA	are-bla_ratio	Activator	PUC	hill
2921882	2921882~EPA	are-bla_via	Inactive	PUC	cnst
2921882	2921882~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
2921882	2921882~NTP	ap1-agonist_ch2	Activator	cca	hill
2921882	2921882~NTP	ap1-agonist_ratio	Activator	cca	hill
2921882	2921882~NTP	ap1-agonist_via	Inactive	cca	cnst
29232937	29232937~EPA	are-bla_ch1	Inactive	cca	cnst
29232937	29232937~EPA	are-bla_ch2	Activator	cca	hill
29232937	29232937~EPA	are-bla_ratio	Activator	cca	hill
29232937	29232937~EPA	are-bla_via	Inactive	cca	cnst
292618327	292618327~FDA	esre-bla_ch1	Activator	EUC	hill
292618327	292618327~FDA	esre-bla_ch2	Activator	EUC	hill
292618327	292618327~FDA	esre-bla_ratio	Activator	EUC	hill
292618327	292618327~FDA	esre-bla_via	Repressor	EUC	hill.inv
292618327	292618327~FDA	hse-bla_ch1	Activator	cca	hill
292618327	292618327~FDA	hse-bla_ch2	Activator	cca	hill
292618327	292618327~FDA	hse-bla_ratio	Activator	cca	hill
292618327	292618327~FDA	hse-bla_via	Repressor	cca	hill.inv
2934056	2934056~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
2934056	2934056~EPA	ap1-agonist_ch2	Activator	EOC	hill
2934056	2934056~EPA	ap1-agonist_ratio	Activator	EOC	hill
2934056	2934056~EPA	ap1-agonist_via	Inactive	EOC	cnst
2941642	2941642~NTP	are-bla_ch1	Inactive	cca	cnst
2941642	2941642~NTP	are-bla_ch2	Activator	cca	hill
2941642	2941642~NTP	are-bla_ratio	Activator	cca	hill
2941642	2941642~NTP	are-bla_via	Inactive	cca	cnst
2955386	2955386~NTP	are-bla_ch1	Inactive	EUC	cnst
2955386	2955386~NTP	are-bla_ch2	Activator	EUC	hill
2955386	2955386~NTP	are-bla_ratio	Activator	EUC	hill
2955386	2955386~NTP	are-bla_via	Inactive	EUC	cnst
29560585	29560585~FDA	are-bla_ch1	Repressor	cca	hill.inv
29560585	29560585~FDA	are-bla_ch2	Activator	cca	hill
29560585	29560585~FDA	are-bla_ratio	Activator	cca	hill
29560585	29560585~FDA	are-bla_via	Inactive	cca	cnst
29608499	29608499~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
29608499	29608499~FDA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
29608499	29608499~FDA	ap1-agonist_ratio	Activator	cca	hill
29608499	29608499~FDA	ap1-agonist_via	Inactive	cca	cnst
29608499	29608499~FDA	are-bla_ch1	Repressor	cca	hill.inv
29608499	29608499~FDA	are-bla_ch2	Activator	cca	hill
29608499	29608499~FDA	are-bla_ratio	Activator	cca	gnls
29608499	29608499~FDA	are-bla_via	Inactive	cca	cnst
2971360	2971360~EPA	are-bla_ch1	Repressor	EUC	hill.inv
2971360	2971360~EPA	are-bla_ch2	Activator	EUC	gnls
2971360	2971360~EPA	are-bla_ratio	Activator	EUC	gnls
2971360	2971360~EPA	are-bla_via	Repressor	EUC	hill.inv
2971360	2971360~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
2971360	2971360~EPA	p53-bla_ch2	Inactive	rfp	cnst
2971360	2971360~EPA	p53-bla_ratio	Activator	rfp	hill
2971360	2971360~EPA	p53-bla_via	Inactive	rfp	cnst
2971360	2971360~NTP	are-bla_ch1	Inactive	cca	cnst
2971360	2971360~NTP	are-bla_ch2	Activator	cca	gnls
2971360	2971360~NTP	are-bla_ratio	Activator	cca	gnls
2971360	2971360~NTP	are-bla_via	Repressor	cca	hill.inv
2971360	2971360~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
2971360	2971360~NTP	p53-bla_ch2	Inactive	rfp	cnst
2971360	2971360~NTP	p53-bla_ratio	Activator	rfp	hill
2971360	2971360~NTP	p53-bla_via	Repressor	rfp	hill.inv
29761215	29761215~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
29761215	29761215~NTP	ap1-agonist_ch2	Activator	cca	hill
29761215	29761215~NTP	ap1-agonist_ratio	Activator	cca	hill
29761215	29761215~NTP	ap1-agonist_via	Inactive	cca	cnst
29767202	29767202~FDA	p53-bla_ch1	Repressor	EUC/POC	hill.inv
29767202	29767202~FDA	p53-bla_ch2	Activator	EUC/POC	hill
29767202	29767202~FDA	p53-bla_ratio	Activator	EUC/POC	hill
29767202	29767202~FDA	p53-bla_via	Inactive	EUC/POC	cnst
297767	297767~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
297767	297767~FDA	ap1-agonist_ch2	Activator	cca	hill
297767	297767~FDA	ap1-agonist_ratio	Activator	cca	hill
297767	297767~FDA	ap1-agonist_via	Inactive	cca	cnst
297767	297767~FDA	are-bla_ch1	Inactive	cca	cnst
297767	297767~FDA	are-bla_ch2	Activator	cca	hill
297767	297767~FDA	are-bla_ratio	Activator	cca	hill
297767	297767~FDA	are-bla_via	Inactive	cca	cnst
298000	298000~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
298000	298000~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
298000	298000~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
298000	298000~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
298077	298077~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
298077	298077~EPA	ap1-agonist_ch2	Activator	cca	gnls
298077	298077~EPA	ap1-agonist_ratio	Activator	cca	gnls
298077	298077~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
298077	298077~EPA	are-bla_ch1	Repressor	EUC	hill.inv
298077	298077~EPA	are-bla_ch2	Activator	EUC	hill
298077	298077~EPA	are-bla_ratio	Activator	EUC	gnls
298077	298077~EPA	are-bla_via	Repressor	EUC	hill.inv
298077	298077~EPA	esre-bla_ch1	Activator	rfp	hill
298077	298077~EPA	esre-bla_ch2	Inactive	rfp	cnst
298077	298077~EPA	esre-bla_ratio	Activator	rfp	hill
298077	298077~EPA	esre-bla_via	Repressor	rfp	hill.inv
298077	298077~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
298077	298077~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
298077	298077~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
298077	298077~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
298077	298077~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
298077	298077~EPA	hse-bla_ch2	Inactive	rfp	cnst
298077	298077~EPA	hse-bla_ratio	Activator	rfp	hill
298077	298077~EPA	hse-bla_via	Repressor	rfp	hill.inv
298077	298077~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
298077	298077~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
298077	298077~EPA	p53-bla_ratio	Activator	rfp	hill
298077	298077~EPA	p53-bla_via	Repressor	rfp	hill.inv
298077	298077~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
298077	298077~NTP	ap1-agonist_ch2	Activator	cca	hill
298077	298077~NTP	ap1-agonist_ratio	Activator	cca	hill
298077	298077~NTP	ap1-agonist_via	Inactive	cca	cnst
298077	298077~NTP	are-bla_ch1	Repressor	cca	hill.inv
298077	298077~NTP	are-bla_ch2	Activator	cca	gnls
298077	298077~NTP	are-bla_ratio	Activator	cca	gnls
298077	298077~NTP	are-bla_via	Repressor	cca	hill.inv
298077	298077~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
298077	298077~NTP	hse-bla_ch2	Inactive	rfp	cnst
298077	298077~NTP	hse-bla_ratio	Activator	rfp	hill
298077	298077~NTP	hse-bla_via	Repressor	rfp	hill.inv
298077	298077~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
298077	298077~NTP	p53-bla_ch2	Inactive	rfp	cnst
298077	298077~NTP	p53-bla_ratio	Activator	rfp	hill
298077	298077~NTP	p53-bla_via	Repressor	rfp	hill.inv
298577	298577~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
298577	298577~FDA	ap1-agonist_ch2	Activator	cca	hill
298577	298577~FDA	ap1-agonist_ratio	Activator	cca	hill
298577	298577~FDA	ap1-agonist_via	Inactive	cca	cnst
298839	298839~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
298839	298839~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
298839	298839~FDA	p53-bla_ratio	Activator	rfp	hill
298839	298839~FDA	p53-bla_via	Repressor	rfp	hill.inv
299843	299843~EPA	ap1-agonist_ch1	Inactive	cca	cnst
299843	299843~EPA	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
299843	299843~EPA	ap1-agonist_ratio	Activator	cca	hill
299843	299843~EPA	ap1-agonist_via	Inactive	cca	cnst
2998574	2998574~FDA	p53-bla_ch1	Inactive	EUC	cnst
2998574	2998574~FDA	p53-bla_ch2	Activator	EUC	hill
2998574	2998574~FDA	p53-bla_ratio	Activator	EUC	hill
2998574	2998574~FDA	p53-bla_via	Inactive	EUC	cnst
299865	299865~EPA	are-bla_ch1	Repressor	cca	hill.inv
299865	299865~EPA	are-bla_ch2	Activator	cca	hill
299865	299865~EPA	are-bla_ratio	Activator	cca	hill
299865	299865~EPA	are-bla_via	Inactive	cca	cnst
30007477	30007477~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
30007477	30007477~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
30007477	30007477~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
30007477	30007477~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
30007477	30007477~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
30007477	30007477~EPA	hse-bla_ch2	Inactive	rfp	cnst
30007477	30007477~EPA	hse-bla_ratio	Activator	rfp	hill
30007477	30007477~EPA	hse-bla_via	Repressor	rfp	hill.inv
30030252	30030252~EPA	are-bla_ch1	Repressor	cca	hill.inv
30030252	30030252~EPA	are-bla_ch2	Activator	cca	hill
30030252	30030252~EPA	are-bla_ratio	Activator	cca	hill
30030252	30030252~EPA	are-bla_via	Inactive	cca	cnst
3006937	3006937~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
3006937	3006937~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
3006937	3006937~NTP	ap1-agonist_ratio	Activator	rfp	hill
3006937	3006937~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
3006937	3006937~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3006937	3006937~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
3006937	3006937~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
3006937	3006937~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
300765	300765~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
300765	300765~EPA	ap1-agonist_ch2	Activator	cca	gnls
300765	300765~EPA	ap1-agonist_ratio	Activator	cca	gnls
300765	300765~EPA	ap1-agonist_via	Inactive	cca	cnst
300765	300765~EPA	are-bla_ch1	Repressor	EUC	hill.inv
300765	300765~EPA	are-bla_ch2	Activator	EUC	hill
300765	300765~EPA	are-bla_ratio	Activator	EUC	hill
300765	300765~EPA	are-bla_via	Inactive	EUC	cnst
300765	300765~EPA	p53-bla_ch1	Repressor	EUC	hill.inv
300765	300765~EPA	p53-bla_ch2	Activator	EUC	hill
300765	300765~EPA	p53-bla_ratio	Activator	EUC	hill
300765	300765~EPA	p53-bla_via	Inactive	EUC	cnst
300765	300765~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
300765	300765~NTP	ap1-agonist_ch2	Activator	cca	gnls
300765	300765~NTP	ap1-agonist_ratio	Activator	cca	gnls
300765	300765~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
300765	300765~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
300765	300765~NTP	are-bla_ch2	Activator	EOC/PUC	hill
300765	300765~NTP	are-bla_ratio	Activator	EOC/PUC	hill
300765	300765~NTP	are-bla_via	Inactive	EOC/PUC	cnst
300765	300765~NTP	p53-bla_ch1	Complex	cca	gnls
300765	300765~NTP	p53-bla_ch2	Activator	cca	hill
300765	300765~NTP	p53-bla_ratio	Activator	cca	hill
300765	300765~NTP	p53-bla_via	Inactive	cca	cnst
30124948	30124948~EPA	are-bla_ch1	Repressor	PUC	hill.inv
30124948	30124948~EPA	are-bla_ch2	Activator	PUC	hill
30124948	30124948~EPA	are-bla_ratio	Activator	PUC	hill
30124948	30124948~EPA	are-bla_via	Inactive	PUC	cnst
3018120	3018120~NTP	are-bla_ch1	Inactive	cca	cnst
3018120	3018120~NTP	are-bla_ch2	Activator	cca	hill
3018120	3018120~NTP	are-bla_ratio	Activator	cca	hill
3018120	3018120~NTP	are-bla_via	Inactive	cca	cnst
302227	302227~FDA	are-bla_ch1	Inactive	EUC	cnst
302227	302227~FDA	are-bla_ch2	Activator	EUC	hill
302227	302227~FDA	are-bla_ratio	Activator	EUC	hill
302227	302227~FDA	are-bla_via	Inactive	EUC	cnst
302227	302227~NTP	ap1-agonist_ch1	Inactive	cca	cnst
302227	302227~NTP	ap1-agonist_ch2	Activator	cca	hill
302227	302227~NTP	ap1-agonist_ratio	Activator	cca	hill
302227	302227~NTP	ap1-agonist_via	Inactive	cca	cnst
302227	302227~NTP	are-bla_ch1	Inactive	EUC	cnst
302227	302227~NTP	are-bla_ch2	Activator	EUC	gnls
302227	302227~NTP	are-bla_ratio	Activator	EUC	gnls
302227	302227~NTP	are-bla_via	Repressor	EUC	hill.inv
3025307	3025307~EPA	are-bla_ch1	Inactive	rfn	cnst
3025307	3025307~EPA	are-bla_ch2	Activator	rfn	gnls
3025307	3025307~EPA	are-bla_ratio	Inactive	rfn	hill.inv
3025307	3025307~EPA	are-bla_via	Repressor	rfn	hill.inv
3025307	3025307~EPA	hse-bla_ch1	Repressor	cca	hill.inv
3025307	3025307~EPA	hse-bla_ch2	Activator	cca	gnls
3025307	3025307~EPA	hse-bla_ratio	Activator	cca	hill
3025307	3025307~EPA	hse-bla_via	Inactive	cca	cnst
3025307	3025307~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3025307	3025307~EPA	p53-bla_ch2	Inactive	rfp	cnst
3025307	3025307~EPA	p53-bla_ratio	Activator	rfp	hill
3025307	3025307~EPA	p53-bla_via	Repressor	rfp	hill.inv
3026639	3026639~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3026639	3026639~EPA	p53-bla_ch2	Inactive	rfp	cnst
3026639	3026639~EPA	p53-bla_ratio	Activator	rfp	hill
3026639	3026639~EPA	p53-bla_via	Repressor	rfp	hill.inv
302794	302794~EPA	are-bla_ch1	Activator	rfn	gnls
302794	302794~EPA	are-bla_ch2	Activator	rfn	gnls.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
302794	302794~EPA	are-bla_ratio	Inactive	rfn	gnls.inv
302794	302794~EPA	are-bla_via	Inactive	rfn	cnst
302794	302794~FDA	are-bla_ch1	Activator	rfn	hill
302794	302794~FDA	are-bla_ch2	Activator	rfn	gnls.inv
302794	302794~FDA	are-bla_ratio	Inactive	rfn	gnls.inv
302794	302794~FDA	are-bla_via	Inactive	rfn	cnst
302794	302794~NTP	are-bla_ch1	Repressor	rfn	hill.inv
302794	302794~NTP	are-bla_ch2	Activator	rfn	gnls
302794	302794~NTP	are-bla_ratio	Inactive	rfn	gnls.inv
302794	302794~NTP	are-bla_via	Repressor	rfn	hill.inv
302794	302794~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
302794	302794~NTP	hse-bla_ch2	Inactive	rfp	cnst
302794	302794~NTP	hse-bla_ratio	Activator	rfp	hill
302794	302794~NTP	hse-bla_via	Repressor	rfp	hill.inv
302794	302794~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
302794	302794~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
302794	302794~NTP	p53-bla_ratio	Activator	rfp	hill
302794	302794~NTP	p53-bla_via	Repressor	rfp	hill.inv
302954	302954~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
302954	302954~NTP	ap1-agonist_ch2	Activator	cca	hill
302954	302954~NTP	ap1-agonist_ratio	Activator	cca	hill
302954	302954~NTP	ap1-agonist_via	Inactive	cca	cnst
302962498	302962498~FDA	are-bla_ch1	Activator	PUC	hill
302962498	302962498~FDA	are-bla_ch2	Activator	PUC	gnls
302962498	302962498~FDA	are-bla_ratio	Activator	PUC	gnls
302962498	302962498~FDA	are-bla_via	Repressor	PUC	hill.inv
3031661	3031661~EPA	are-bla_ch1	Inactive	POC	cnst
3031661	3031661~EPA	are-bla_ch2	Activator	POC	gnls
3031661	3031661~EPA	are-bla_ratio	Activator	POC	gnls
3031661	3031661~EPA	are-bla_via	Repressor	POC	hill.inv
3031661	3031661~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3031661	3031661~EPA	hse-bla_ch2	Inactive	rfp	cnst
3031661	3031661~EPA	hse-bla_ratio	Activator	rfp	hill
3031661	3031661~EPA	hse-bla_via	Repressor	rfp	hill.inv
303457	303457~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
303457	303457~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
303457	303457~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
303457	303457~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
303457	303457~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
303457	303457~FDA	hse-bla_ch2	Inactive	rfp	cnst
303457	303457~FDA	hse-bla_ratio	Activator	rfp	hill
303457	303457~FDA	hse-bla_via	Repressor	rfp	hill.inv
303457	303457~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
303457	303457~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
303457	303457~FDA	p53-bla_ratio	Activator	rfp	hill
303457	303457~FDA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
303491	303491~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
303491	303491~FDA	ap1-agonist_ch2	Activator	EOC	hill
303491	303491~FDA	ap1-agonist_ratio	Activator	EOC	hill
303491	303491~FDA	ap1-agonist_via	Inactive	EOC	cnst
30399849	30399849~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
30399849	30399849~EPA	hse-bla_ch2	Inactive	rfp	cnst
30399849	30399849~EPA	hse-bla_ratio	Activator	rfp	hill
30399849	30399849~EPA	hse-bla_via	Repressor	rfp	hill.inv
304201	304201~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
304201	304201~EPA	ap1-agonist_ch2	Activator	cca	hill
304201	304201~EPA	ap1-agonist_ratio	Activator	cca	hill
304201	304201~EPA	ap1-agonist_via	Inactive	cca	cnst
304201	304201~EPA	are-bla_ch1	Inactive	cca	cnst
304201	304201~EPA	are-bla_ch2	Activator	cca	gnls
304201	304201~EPA	are-bla_ratio	Activator	cca	gnls
304201	304201~EPA	are-bla_via	Repressor	cca	hill.inv
304680351	304680351~NTP	are-bla_ch1	Inactive	cca	cnst
304680351	304680351~NTP	are-bla_ch2	Activator	cca	gnls
304680351	304680351~NTP	are-bla_ratio	Activator	cca	gnls
304680351	304680351~NTP	are-bla_via	Inactive	cca	cnst
304680351	304680351~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
304680351	304680351~NTP	p53-bla_ch2	Inactive	rfp	cnst
304680351	304680351~NTP	p53-bla_ratio	Activator	rfp	hill
304680351	304680351~NTP	p53-bla_via	Inactive	rfp	cnst
304680362	304680362~NTP	are-bla_ch1	Repressor	cca	hill.inv
304680362	304680362~NTP	are-bla_ch2	Activator	cca	gnls
304680362	304680362~NTP	are-bla_ratio	Activator	cca	gnls
304680362	304680362~NTP	are-bla_via	Inactive	cca	cnst
305033	305033~EPA	p53-bla_ch1	Repressor	cca	hill.inv
305033	305033~EPA	p53-bla_ch2	Activator	cca	hill
305033	305033~EPA	p53-bla_ratio	Activator	cca	hill
305033	305033~EPA	p53-bla_via	Inactive	cca	cnst
305033	305033~FDA	p53-bla_ch1	Inactive	EUC	cnst
305033	305033~FDA	p53-bla_ch2	Activator	EUC	hill
305033	305033~FDA	p53-bla_ratio	Activator	EUC	hill
305033	305033~FDA	p53-bla_via	Inactive	EUC	cnst
305033	305033~NTP	ap1-agonist_ch1	Inactive	cca	cnst
305033	305033~NTP	ap1-agonist_ch2	Activator	cca	hill
305033	305033~NTP	ap1-agonist_ratio	Activator	cca	hill
305033	305033~NTP	ap1-agonist_via	Inactive	cca	cnst
305033	305033~NTP	are-bla_ch1	Inactive	cca	cnst
305033	305033~NTP	are-bla_ch2	Activator	cca	hill
305033	305033~NTP	are-bla_ratio	Activator	cca	hill
305033	305033~NTP	are-bla_via	Inactive	cca	cnst
305033	305033~NTP	p53-bla_ch1	Repressor	cca	hill.inv
305033	305033~NTP	p53-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
305033	305033~NTP	p53-bla_ratio	Activator	cca	hill
305033	305033~NTP	p53-bla_via	Inactive	cca	cnst
3052504	3052504~EPA	are-bla_ch1	Repressor	cca	hill.inv
3052504	3052504~EPA	are-bla_ch2	Activator	cca	hill
3052504	3052504~EPA	are-bla_ratio	Activator	cca	hill
3052504	3052504~EPA	are-bla_via	Inactive	cca	cnst
3055990	3055990~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
3055990	3055990~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
3055990	3055990~FDA	ap1-agonist_ratio	Activator	rfp	hill
3055990	3055990~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
3055990	3055990~FDA	are-bla_ch1	Repressor	cca	hill.inv
3055990	3055990~FDA	are-bla_ch2	Activator	cca	gnls
3055990	3055990~FDA	are-bla_ratio	Activator	cca	gnls
3055990	3055990~FDA	are-bla_via	Repressor	cca	hill.inv
3055990	3055990~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
3055990	3055990~FDA	hse-bla_ch2	Inactive	rfp	cnst
3055990	3055990~FDA	hse-bla_ratio	Activator	rfp	hill
3055990	3055990~FDA	hse-bla_via	Repressor	rfp	hill.inv
3055990	3055990~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
3055990	3055990~FDA	p53-bla_ch2	Inactive	rfp	cnst
3055990	3055990~FDA	p53-bla_ratio	Activator	rfp	hill
3055990	3055990~FDA	p53-bla_via	Repressor	rfp	hill.inv
305851	305851~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
305851	305851~FDA	p53-bla_ch2	Inactive	rfp	cnst
305851	305851~FDA	p53-bla_ratio	Activator	rfp	hill
305851	305851~FDA	p53-bla_via	Repressor	rfp	hill.inv
3064708	3064708~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3064708	3064708~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
3064708	3064708~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
3064708	3064708~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
30748299	30748299~FDA	are-bla_ch1	Repressor	cca	gnls.inv
30748299	30748299~FDA	are-bla_ch2	Activator	cca	hill
30748299	30748299~FDA	are-bla_ratio	Activator	cca	gnls
30748299	30748299~FDA	are-bla_via	Inactive	cca	cnst
30748299	30748299~FDA	hse-bla_ch1	Inactive	cca	cnst
30748299	30748299~FDA	hse-bla_ch2	Activator	cca	hill
30748299	30748299~FDA	hse-bla_ratio	Activator	cca	hill
30748299	30748299~FDA	hse-bla_via	Inactive	cca	cnst
30748299	30748299~FDA	p53-bla_ch1	Repressor	cca	hill.inv
30748299	30748299~FDA	p53-bla_ch2	Activator	cca	gnls
30748299	30748299~FDA	p53-bla_ratio	Activator	cca	gnls
30748299	30748299~FDA	p53-bla_via	Repressor	cca	hill.inv
309002	309002~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
309002	309002~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
309002	309002~EPA	ap1-agonist_ratio	Activator	rfp	hill
309002	309002~EPA	ap1-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
309002	309002~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
309002	309002~EPA	esre-bla_ch2	Inactive	rfp	cnst
309002	309002~EPA	esre-bla_ratio	Activator	rfp	hill
309002	309002~EPA	esre-bla_via	Repressor	rfp	hill.inv
309002	309002~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
309002	309002~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
309002	309002~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
309002	309002~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
309002	309002~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
309002	309002~EPA	hse-bla_ch2	Inactive	rfp	cnst
309002	309002~EPA	hse-bla_ratio	Activator	rfp	hill
309002	309002~EPA	hse-bla_via	Repressor	rfp	hill.inv
309002	309002~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
309002	309002~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
309002	309002~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
309002	309002~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
309002	309002~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
309002	309002~NTP	ap1-agonist_ch2	Activator	PUC	gnls
309002	309002~NTP	ap1-agonist_ratio	Activator	PUC	hill
309002	309002~NTP	ap1-agonist_via	Repressor	PUC	hill.inv
309002	309002~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
309002	309002~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
309002	309002~NTP	esre-bla_ratio	Activator	rfp	hill
309002	309002~NTP	esre-bla_via	Repressor	rfp	hill.inv
309002	309002~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
309002	309002~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
309002	309002~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
309002	309002~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
309002	309002~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
309002	309002~NTP	p53-bla_ch2	Inactive	rfp	cnst
309002	309002~NTP	p53-bla_ratio	Activator	rfp	hill
309002	309002~NTP	p53-bla_via	Repressor	rfp	hill.inv
3094095	3094095~FDA	p53-bla_ch1	Inactive	cca	cnst
3094095	3094095~FDA	p53-bla_ch2	Activator	cca	hill
3094095	3094095~FDA	p53-bla_ratio	Activator	cca	hill
3094095	3094095~FDA	p53-bla_via	Repressor	cca	hill.inv
3105973	3105973~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
3105973	3105973~FDA	p53-bla_ch2	Activator	EOC	gnls
3105973	3105973~FDA	p53-bla_ratio	Activator	EOC	gnls
3105973	3105973~FDA	p53-bla_via	Inactive	EOC	cnst
31127545	31127545~NTP	are-bla_ch1	Activator	EUC	gnls
31127545	31127545~NTP	are-bla_ch2	Activator	EUC	hill
31127545	31127545~NTP	are-bla_ratio	Activator	EUC	hill
31127545	31127545~NTP	are-bla_via	Inactive	EUC	cnst
311455	311455~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
311455	311455~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
311455	311455~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
311455	311455~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
3120749	3120749~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
3120749	3120749~NTP	ap1-agonist_ch2	Activator	cca	gnls
3120749	3120749~NTP	ap1-agonist_ratio	Activator	cca	gnls
3120749	3120749~NTP	ap1-agonist_via	Repressor	cca	hill.inv
313064	313064~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
313064	313064~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
313064	313064~EPA	ap1-agonist_ratio	Activator	rfp	hill
313064	313064~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
313064	313064~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
313064	313064~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
313064	313064~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
313064	313064~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
313064	313064~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
313064	313064~EPA	hse-bla_ch2	Inactive	rfp	cnst
313064	313064~EPA	hse-bla_ratio	Activator	rfp	hill
313064	313064~EPA	hse-bla_via	Repressor	rfp	hill.inv
313064	313064~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
313064	313064~EPA	p53-bla_ch2	Inactive	rfp	cnst
313064	313064~EPA	p53-bla_ratio	Activator	rfp	hill
313064	313064~EPA	p53-bla_via	Repressor	rfp	hill.inv
3131600	3131600~NTP	p53-bla_ch1	Repressor	cca	hill.inv
3131600	3131600~NTP	p53-bla_ch2	Activator	cca	hill
3131600	3131600~NTP	p53-bla_ratio	Activator	cca	hill
3131600	3131600~NTP	p53-bla_via	Inactive	cca	cnst
31386251	31386251~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
31386251	31386251~FDA	ap1-agonist_ch2	Activator	EOC	hill
31386251	31386251~FDA	ap1-agonist_ratio	Activator	EOC	hill
31386251	31386251~FDA	ap1-agonist_via	Inactive	EOC	cnst
31386251	31386251~FDA	are-bla_ch1	Inactive	rfn	cnst
31386251	31386251~FDA	are-bla_ch2	Activator	rfn	hill
31386251	31386251~FDA	are-bla_ratio	Inactive	rfn	cnst
31386251	31386251~FDA	are-bla_via	Inactive	rfn	cnst
313994795	313994795~EPA	are-bla_ch1	Inactive	cca	cnst
313994795	313994795~EPA	are-bla_ch2	Activator	cca	hill
313994795	313994795~EPA	are-bla_ratio	Activator	cca	gnls
313994795	313994795~EPA	are-bla_via	Inactive	cca	cnst
31430189	31430189~FDA	ap1-agonist_ch1	Inactive	cca	cnst
31430189	31430189~FDA	ap1-agonist_ch2	Activator	cca	gnls
31430189	31430189~FDA	ap1-agonist_ratio	Activator	cca	gnls
31430189	31430189~FDA	ap1-agonist_via	Inactive	cca	cnst
31430189	31430189~FDA	are-bla_ch1	Inactive	cca	cnst
31430189	31430189~FDA	are-bla_ch2	Activator	cca	hill
31430189	31430189~FDA	are-bla_ratio	Activator	cca	hill
31430189	31430189~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
31430189	31430189~FDA	p53-bla_ch1	Inactive	cca	cnst
31430189	31430189~FDA	p53-bla_ch2	Activator	cca	gnls
31430189	31430189~FDA	p53-bla_ratio	Activator	cca	gnls
31430189	31430189~FDA	p53-bla_via	Inactive	cca	cnst
31431397	31431397~FDA	are-bla_ch1	Inactive	cca	cnst
31431397	31431397~FDA	are-bla_ch2	Activator	cca	hill
31431397	31431397~FDA	are-bla_ratio	Activator	cca	gnls
31431397	31431397~FDA	are-bla_via	Activator	cca	hill
31431397	31431397~FDA	p53-bla_ch1	Inactive	cca	cnst
31431397	31431397~FDA	p53-bla_ch2	Activator	cca	gnls
31431397	31431397~FDA	p53-bla_ratio	Activator	cca	gnls
31431397	31431397~FDA	p53-bla_via	Inactive	cca	cnst
31431433	31431433~FDA	ap1-agonist_ch1	Inactive	cca	cnst
31431433	31431433~FDA	ap1-agonist_ch2	Activator	cca	gnls
31431433	31431433~FDA	ap1-agonist_ratio	Activator	cca	hill
31431433	31431433~FDA	ap1-agonist_via	Inactive	cca	cnst
3147759	3147759~EPA	are-bla_ch1	Inactive	EUC	cnst
3147759	3147759~EPA	are-bla_ch2	Activator	EUC	hill
3147759	3147759~EPA	are-bla_ratio	Activator	EUC	hill
3147759	3147759~EPA	are-bla_via	Inactive	EUC	cnst
3147759	3147759~FDA	are-bla_ch1	Inactive	EUC	cnst
3147759	3147759~FDA	are-bla_ch2	Activator	EUC	hill
3147759	3147759~FDA	are-bla_ratio	Activator	EUC	hill
3147759	3147759~FDA	are-bla_via	Inactive	EUC	cnst
3147759	3147759~NTP	are-bla_ch1	Inactive	EUC	cnst
3147759	3147759~NTP	are-bla_ch2	Activator	EUC	hill
3147759	3147759~NTP	are-bla_ratio	Activator	EUC	hill
3147759	3147759~NTP	are-bla_via	Inactive	EUC	cnst
31477608	31477608~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
31477608	31477608~FDA	p53-bla_ch2	Inactive	rfp	cnst
31477608	31477608~FDA	p53-bla_ratio	Activator	rfp	hill
31477608	31477608~FDA	p53-bla_via	Repressor	rfp	hill.inv
31519229	31519229~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
31519229	31519229~EPA	ap1-agonist_ch2	Activator	cca	gnls
31519229	31519229~EPA	ap1-agonist_ratio	Activator	cca	gnls
31519229	31519229~EPA	ap1-agonist_via	Repressor	cca	hill.inv
31519229	31519229~EPA	are-bla_ch1	Repressor	EOC	hill.inv
31519229	31519229~EPA	are-bla_ch2	Activator	EOC	gnls
31519229	31519229~EPA	are-bla_ratio	Activator	EOC	gnls
31519229	31519229~EPA	are-bla_via	Repressor	EOC	hill.inv
31519229	31519229~EPA	esre-bla_ch1	Repressor	rfn	hill.inv
31519229	31519229~EPA	esre-bla_ch2	Activator	rfn	gnls
31519229	31519229~EPA	esre-bla_ratio	Inactive	rfn	cnst
31519229	31519229~EPA	esre-bla_via	Repressor	rfn	hill.inv
31519229	31519229~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
31519229	31519229~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
31519229	31519229~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
31519229	31519229~EPA	hre-bla-agonist_via	Complex	rfp	gnls
31519229	31519229~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
31519229	31519229~EPA	hse-bla_ch2	Inactive	rfp	cnst
31519229	31519229~EPA	hse-bla_ratio	Activator	rfp	hill
31519229	31519229~EPA	hse-bla_via	Repressor	rfp	hill.inv
31519229	31519229~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
31519229	31519229~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
31519229	31519229~EPA	p53-bla_ratio	Activator	rfp	hill
31519229	31519229~EPA	p53-bla_via	Repressor	rfp	hill.inv
315800	315800~FDA	ap1-agonist_ch1	Inactive	cca	cnst
315800	315800~FDA	ap1-agonist_ch2	Activator	cca	hill
315800	315800~FDA	ap1-agonist_ratio	Activator	cca	hill
315800	315800~FDA	ap1-agonist_via	Inactive	cca	cnst
3158916	3158916~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
3158916	3158916~FDA	ap1-agonist_ch2	Activator	cca	hill
3158916	3158916~FDA	ap1-agonist_ratio	Activator	cca	hill
3158916	3158916~FDA	ap1-agonist_via	Inactive	cca	cnst
3158916	3158916~FDA	are-bla_ch1	Repressor	cca	hill.inv
3158916	3158916~FDA	are-bla_ch2	Activator	cca	hill
3158916	3158916~FDA	are-bla_ratio	Activator	cca	hill
3158916	3158916~FDA	are-bla_via	Inactive	cca	cnst
3160370	3160370~NTP	are-bla_ch1	Inactive	cca	cnst
3160370	3160370~NTP	are-bla_ch2	Activator	cca	hill
3160370	3160370~NTP	are-bla_ratio	Activator	cca	hill
3160370	3160370~NTP	are-bla_via	Inactive	cca	cnst
3160370	3160370~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
3160370	3160370~NTP	p53-bla_ch2	Inactive	rfp	cnst
3160370	3160370~NTP	p53-bla_ratio	Activator	rfp	hill
3160370	3160370~NTP	p53-bla_via	Inactive	rfp	cnst
316427	316427~NTP	are-bla_ch1	Complex	cca	gnls
316427	316427~NTP	are-bla_ch2	Activator	cca	gnls
316427	316427~NTP	are-bla_ratio	Activator	cca	gnls
316427	316427~NTP	are-bla_via	Repressor	cca	hill.inv
316427	316427~NTP	p53-bla_ch1	Repressor	cca	hill.inv
316427	316427~NTP	p53-bla_ch2	Activator	cca	gnls
316427	316427~NTP	p53-bla_ratio	Activator	cca	gnls
316427	316427~NTP	p53-bla_via	Inactive	cca	cnst
31677937	31677937~EPA	ap1-agonist_ch1	Inactive	cca	cnst
31677937	31677937~EPA	ap1-agonist_ch2	Activator	cca	hill
31677937	31677937~EPA	ap1-agonist_ratio	Activator	cca	hill
31677937	31677937~EPA	ap1-agonist_via	Inactive	cca	cnst
31698143	31698143~EPA	p53-bla_ch1	Inactive	cca	cnst
31698143	31698143~EPA	p53-bla_ch2	Activator	cca	hill
31698143	31698143~EPA	p53-bla_ratio	Activator	cca	hill
31698143	31698143~EPA	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
31698143	31698143~FDA	p53-bla_ch1	Repressor	cca	hill.inv
31698143	31698143~FDA	p53-bla_ch2	Activator	cca	hill
31698143	31698143~FDA	p53-bla_ratio	Activator	cca	hill
31698143	31698143~FDA	p53-bla_via	Inactive	cca	cnst
317318846	317318846~EPA	are-bla_ch1	Inactive	rfn	cnst
317318846	317318846~EPA	are-bla_ch2	Activator	rfn	gnls
317318846	317318846~EPA	are-bla_ratio	Inactive	rfn	cnst
317318846	317318846~EPA	are-bla_via	Repressor	rfn	hill.inv
317318846	317318846~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
317318846	317318846~EPA	hse-bla_ch2	Inactive	rfp	cnst
317318846	317318846~EPA	hse-bla_ratio	Activator	rfp	hill
317318846	317318846~EPA	hse-bla_via	Repressor	rfp	hill.inv
317318846	317318846~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
317318846	317318846~EPA	p53-bla_ch2	Inactive	rfp	cnst
317318846	317318846~EPA	p53-bla_ratio	Activator	rfp	hill
317318846	317318846~EPA	p53-bla_via	Repressor	rfp	hill.inv
3179804	3179804~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3179804	3179804~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3179804	3179804~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3179804	3179804~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3179804	3179804~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3179804	3179804~EPA	hse-bla_ch2	Inactive	rfp	cnst
3179804	3179804~EPA	hse-bla_ratio	Activator	rfp	hill
3179804	3179804~EPA	hse-bla_via	Repressor	rfp	hill.inv
3179804	3179804~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3179804	3179804~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
3179804	3179804~EPA	p53-bla_ratio	Activator	rfp	hill
3179804	3179804~EPA	p53-bla_via	Repressor	rfp	hill.inv
31895224	31895224~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
31895224	31895224~EPA	ap1-agonist_ch2	Activator	cca	hill
31895224	31895224~EPA	ap1-agonist_ratio	Activator	cca	hill
31895224	31895224~EPA	ap1-agonist_via	Inactive	cca	cnst
31895224	31895224~EPA	are-bla_ch1	Repressor	cca	hill.inv
31895224	31895224~EPA	are-bla_ch2	Activator	cca	hill
31895224	31895224~EPA	are-bla_ratio	Activator	cca	hill
31895224	31895224~EPA	are-bla_via	Inactive	cca	cnst
3194556	3194556~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
3194556	3194556~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
3194556	3194556~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
3194556	3194556~EPA	ap1-agonist_via	Inactive	EOC/PUC	cnst
3194556	3194556~EPA	are-bla_ch1	Inactive	cca	cnst
3194556	3194556~EPA	are-bla_ch2	Activator	cca	hill
3194556	3194556~EPA	are-bla_ratio	Activator	cca	hill
3194556	3194556~EPA	are-bla_via	Inactive	cca	cnst
3194556	3194556~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3194556	3194556~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
3194556	3194556~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3194556	3194556~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
3194556	3194556~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3194556	3194556~EPA	hse-bla_ch2	Inactive	rfp	cnst
3194556	3194556~EPA	hse-bla_ratio	Activator	rfp	hill
3194556	3194556~EPA	hse-bla_via	Inactive	rfp	cnst
3194556	3194556~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3194556	3194556~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3194556	3194556~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3194556	3194556~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
3194556	3194556~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3194556	3194556~EPA	p53-bla_ch2	Inactive	rfp	cnst
3194556	3194556~EPA	p53-bla_ratio	Activator	rfp	hill
3194556	3194556~EPA	p53-bla_via	Repressor	rfp	hill.inv
3194556	3194556~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
3194556	3194556~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
3194556	3194556~NTP	ap1-agonist_ratio	Activator	rfp	hill
3194556	3194556~NTP	ap1-agonist_via	Inactive	rfp	cnst
3194556	3194556~NTP	are-bla_ch1	Inactive	EUC	cnst
3194556	3194556~NTP	are-bla_ch2	Activator	EUC	gnls
3194556	3194556~NTP	are-bla_ratio	Activator	EUC	gnls
3194556	3194556~NTP	are-bla_via	Inactive	EUC	cnst
3194556	3194556~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3194556	3194556~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
3194556	3194556~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
3194556	3194556~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
3194556	3194556~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3194556	3194556~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3194556	3194556~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
3194556	3194556~NTP	nfkb-bla-agonist_via	Inactive	rfp	cnst
3194556	3194556~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
3194556	3194556~NTP	p53-bla_ch2	Inactive	rfp	cnst
3194556	3194556~NTP	p53-bla_ratio	Activator	rfp	hill
3194556	3194556~NTP	p53-bla_via	Repressor	rfp	hill.inv
319460850	319460850~FDA	are-bla_ch1	Repressor	cca	hill.inv
319460850	319460850~FDA	are-bla_ch2	Activator	cca	hill
319460850	319460850~FDA	are-bla_ratio	Activator	cca	gnls
319460850	319460850~FDA	are-bla_via	Inactive	cca	cnst
319460850	319460850~FDA	p53-bla_ch1	Repressor	cca	hill.inv
319460850	319460850~FDA	p53-bla_ch2	Activator	cca	gnls
319460850	319460850~FDA	p53-bla_ratio	Activator	cca	gnls
319460850	319460850~FDA	p53-bla_via	Inactive	cca	cnst
319846	319846~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
319846	319846~NTP	ap1-agonist_ch2	Activator	EOC	hill
319846	319846~NTP	ap1-agonist_ratio	Activator	EOC	hill
319846	319846~NTP	ap1-agonist_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
319868	319868~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
319868	319868~NTP	ap1-agonist_ch2	Activator	cca	gnls
319868	319868~NTP	ap1-agonist_ratio	Activator	cca	hill
319868	319868~NTP	ap1-agonist_via	Inactive	cca	cnst
3200064	3200064~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
3200064	3200064~FDA	ap1-agonist_ch2	Activator	cca	hill
3200064	3200064~FDA	ap1-agonist_ratio	Activator	cca	hill
3200064	3200064~FDA	ap1-agonist_via	Inactive	cca	cnst
320672	320672~EPA	are-bla_ch1	Repressor	cca	hill.inv
320672	320672~EPA	are-bla_ch2	Activator	cca	gnls
320672	320672~EPA	are-bla_ratio	Activator	cca	gnls
320672	320672~EPA	are-bla_via	Inactive	cca	cnst
320672	320672~EPA	p53-bla_ch1	Repressor	cca	hill.inv
320672	320672~EPA	p53-bla_ch2	Activator	cca	gnls
320672	320672~EPA	p53-bla_ratio	Activator	cca	gnls
320672	320672~EPA	p53-bla_via	Inactive	cca	cnst
320672	320672~FDA	are-bla_ch1	Repressor	cca	hill.inv
320672	320672~FDA	are-bla_ch2	Activator	cca	gnls
320672	320672~FDA	are-bla_ratio	Activator	cca	hill
320672	320672~FDA	are-bla_via	Inactive	cca	cnst
320672	320672~FDA	p53-bla_ch1	Repressor	cca	hill.inv
320672	320672~FDA	p53-bla_ch2	Activator	cca	gnls
320672	320672~FDA	p53-bla_ratio	Activator	cca	gnls
320672	320672~FDA	p53-bla_via	Repressor	cca	hill.inv
321642	321642~EPA	are-bla_ch1	Repressor	cca	hill.inv
321642	321642~EPA	are-bla_ch2	Activator	cca	hill
321642	321642~EPA	are-bla_ratio	Activator	cca	hill
321642	321642~EPA	are-bla_via	Inactive	cca	cnst
32222063	32222063~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
32222063	32222063~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
32222063	32222063~FDA	p53-bla_ratio	Activator	rfp	hill
32222063	32222063~FDA	p53-bla_via	Repressor	rfp	hill.inv
32353643	32353643~NTP	are-bla_ch1	Inactive	cca	cnst
32353643	32353643~NTP	are-bla_ch2	Activator	cca	hill
32353643	32353643~NTP	are-bla_ratio	Activator	cca	hill
32353643	32353643~NTP	are-bla_via	Inactive	cca	cnst
3236713	3236713~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
3236713	3236713~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
3236713	3236713~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
3236713	3236713~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
3236713	3236713~EPA	are-bla_ch1	Repressor	cca	hill.inv
3236713	3236713~EPA	are-bla_ch2	Activator	cca	gnls
3236713	3236713~EPA	are-bla_ratio	Activator	cca	gnls
3236713	3236713~EPA	are-bla_via	Repressor	cca	hill.inv
3236713	3236713~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
3236713	3236713~EPA	esre-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
3236713	3236713~EPA	esre-bla_ratio	Activator	rfp	hill
3236713	3236713~EPA	esre-bla_via	Repressor	rfp	hill.inv
3236713	3236713~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3236713	3236713~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3236713	3236713~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3236713	3236713~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3236713	3236713~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3236713	3236713~EPA	hse-bla_ch2	Inactive	rfp	cnst
3236713	3236713~EPA	hse-bla_ratio	Activator	rfp	hill
3236713	3236713~EPA	hse-bla_via	Repressor	rfp	hill.inv
3236713	3236713~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3236713	3236713~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3236713	3236713~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3236713	3236713~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3236713	3236713~EPA	p53-bla_ch1	Repressor	cca	hill.inv
3236713	3236713~EPA	p53-bla_ch2	Activator	cca	gnls
3236713	3236713~EPA	p53-bla_ratio	Activator	cca	hill
3236713	3236713~EPA	p53-bla_via	Repressor	cca	hill.inv
3239450	3239450~FDA	ap1-agonist_ch1	Inactive	cca	cnst
3239450	3239450~FDA	ap1-agonist_ch2	Activator	cca	hill
3239450	3239450~FDA	ap1-agonist_ratio	Activator	cca	hill
3239450	3239450~FDA	ap1-agonist_via	Inactive	cca	cnst
3249534	3249534~EPA	are-bla_ch1	Repressor	cca	hill.inv
3249534	3249534~EPA	are-bla_ch2	Activator	cca	hill
3249534	3249534~EPA	are-bla_ratio	Activator	cca	hill
3249534	3249534~EPA	are-bla_via	Inactive	cca	cnst
3252435	3252435~NTP	are-bla_ch1	Repressor	PUC	hill.inv
3252435	3252435~NTP	are-bla_ch2	Activator	PUC	hill
3252435	3252435~NTP	are-bla_ratio	Activator	PUC	hill
3252435	3252435~NTP	are-bla_via	Inactive	PUC	cnst
32536520	32536520~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
32536520	32536520~NTP	ap1-agonist_ch2	Activator	cca	hill
32536520	32536520~NTP	ap1-agonist_ratio	Activator	cca	hill
32536520	32536520~NTP	ap1-agonist_via	Repressor	cca	gnls.inv
3270711	3270711~FDA	are-bla_ch1	Repressor	EUC	hill.inv
3270711	3270711~FDA	are-bla_ch2	Activator	EUC	hill
3270711	3270711~FDA	are-bla_ratio	Activator	EUC	hill
3270711	3270711~FDA	are-bla_via	Inactive	EUC	cnst
32780646	32780646~EPA	ap1-agonist_ch1	Inactive	cca	cnst
32780646	32780646~EPA	ap1-agonist_ch2	Activator	cca	hill
32780646	32780646~EPA	ap1-agonist_ratio	Activator	cca	hill
32780646	32780646~EPA	ap1-agonist_via	Inactive	cca	cnst
3282733	3282733~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
3282733	3282733~EPA	ap1-agonist_ch2	Activator	cca	gnls
3282733	3282733~EPA	ap1-agonist_ratio	Activator	cca	hill
3282733	3282733~EPA	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3282733	3282733~EPA	are-bla_ch1	Repressor	cca	hill.inv
3282733	3282733~EPA	are-bla_ch2	Activator	cca	gnls
3282733	3282733~EPA	are-bla_ratio	Activator	cca	gnls
3282733	3282733~EPA	are-bla_via	Repressor	cca	hill.inv
3282733	3282733~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
3282733	3282733~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
3282733	3282733~EPA	esre-bla_ratio	Activator	rfp	hill
3282733	3282733~EPA	esre-bla_via	Repressor	rfp	hill.inv
3282733	3282733~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3282733	3282733~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3282733	3282733~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3282733	3282733~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3282733	3282733~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3282733	3282733~EPA	hse-bla_ch2	Inactive	rfp	cnst
3282733	3282733~EPA	hse-bla_ratio	Activator	rfp	hill
3282733	3282733~EPA	hse-bla_via	Repressor	rfp	hill.inv
3282733	3282733~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3282733	3282733~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3282733	3282733~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3282733	3282733~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3282733	3282733~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3282733	3282733~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
3282733	3282733~EPA	p53-bla_ratio	Activator	rfp	hill
3282733	3282733~EPA	p53-bla_via	Repressor	rfp	hill.inv
329011	329011~NTP	are-bla_ch1	Inactive	cca	cnst
329011	329011~NTP	are-bla_ch2	Activator	cca	hill
329011	329011~NTP	are-bla_ratio	Activator	cca	hill
329011	329011~NTP	are-bla_via	Inactive	cca	cnst
3290924	3290924~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3290924	3290924~EPA	hse-bla_ch2	Inactive	rfp	cnst
3290924	3290924~EPA	hse-bla_ratio	Activator	rfp	hill
3290924	3290924~EPA	hse-bla_via	Repressor	rfp	hill.inv
33007839	33007839~EPA	esre-bla_ch1	Repressor	EOC	hill.inv
33007839	33007839~EPA	esre-bla_ch2	Activator	EOC	hill
33007839	33007839~EPA	esre-bla_ratio	Activator	EOC	hill
33007839	33007839~EPA	esre-bla_via	Inactive	EOC	cnst
33007839	33007839~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
33007839	33007839~EPA	p53-bla_ch2	Inactive	rfp	cnst
33007839	33007839~EPA	p53-bla_ratio	Activator	rfp	hill
33007839	33007839~EPA	p53-bla_via	Inactive	rfp	cnst
33032121	33032121~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
33032121	33032121~EPA	ap1-agonist_ch2	Activator	cca	hill
33032121	33032121~EPA	ap1-agonist_ratio	Activator	cca	hill
33032121	33032121~EPA	ap1-agonist_via	Inactive	cca	cnst
330552	330552~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
330552	330552~NTP	are-bla_ch2	Activator	EOC/PUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
330552	330552~NTP	are-bla_ratio	Activator	EOC/PUC	hill
330552	330552~NTP	are-bla_via	Inactive	EOC/PUC	cnst
33069624	33069624~FDA	p53-bla_ch1	Repressor	POC	hill.inv
33069624	33069624~FDA	p53-bla_ch2	Activator	POC	hill
33069624	33069624~FDA	p53-bla_ratio	Activator	POC	gnls
33069624	33069624~FDA	p53-bla_via	Inactive	POC	cnst
33089611	33089611~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
33089611	33089611~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
33089611	33089611~EPA	ap1-agonist_ratio	Activator	rfp	hill
33089611	33089611~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
33089611	33089611~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
33089611	33089611~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
33089611	33089611~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
33089611	33089611~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
33089611	33089611~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
33089611	33089611~NTP	ap1-agonist_ch2	Activator	cca	gnls
33089611	33089611~NTP	ap1-agonist_ratio	Activator	cca	hill
33089611	33089611~NTP	ap1-agonist_via	Repressor	cca	hill.inv
33089611	33089611~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
33089611	33089611~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
33089611	33089611~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
33089611	33089611~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
33089611	33089611~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
33089611	33089611~NTP	p53-bla_ch2	Inactive	rfp	cnst
33089611	33089611~NTP	p53-bla_ratio	Activator	rfp	hill
33089611	33089611~NTP	p53-bla_via	Repressor	rfp	hill.inv
331741947	331741947~FDA	are-bla_ch1	Inactive	cca	cnst
331741947	331741947~FDA	are-bla_ch2	Activator	cca	hill
331741947	331741947~FDA	are-bla_ratio	Activator	cca	hill
331741947	331741947~FDA	are-bla_via	Inactive	cca	cnst
33228454	33228454~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
33228454	33228454~EPA	ap1-agonist_ch2	Activator	PUC	hill
33228454	33228454~EPA	ap1-agonist_ratio	Activator	PUC	hill
33228454	33228454~EPA	ap1-agonist_via	Inactive	PUC	cnst
3322938	3322938~NTP	ap1-agonist_ch1	Inactive	cca	cnst
3322938	3322938~NTP	ap1-agonist_ch2	Activator	cca	hill
3322938	3322938~NTP	ap1-agonist_ratio	Activator	cca	hill
3322938	3322938~NTP	ap1-agonist_via	Inactive	cca	cnst
33237740	33237740~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
33237740	33237740~FDA	ap1-agonist_ch2	Activator	EOC	hill
33237740	33237740~FDA	ap1-agonist_ratio	Activator	EOC	hill
33237740	33237740~FDA	ap1-agonist_via	Inactive	EOC	cnst
33237740	33237740~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
33237740	33237740~FDA	p53-bla_ch2	Inactive	rfp	cnst
33237740	33237740~FDA	p53-bla_ratio	Activator	rfp	hill
33237740	33237740~FDA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3331462	3331462~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
3331462	3331462~NTP	ap1-agonist_ch2	Activator	cca	gnls
3331462	3331462~NTP	ap1-agonist_ratio	Activator	cca	gnls
3331462	3331462~NTP	ap1-agonist_via	Inactive	cca	cnst
3331462	3331462~NTP	are-bla_ch1	Activator	EUC	hill
3331462	3331462~NTP	are-bla_ch2	Activator	EUC	hill
3331462	3331462~NTP	are-bla_ratio	Activator	EUC	hill
3331462	3331462~NTP	are-bla_via	Inactive	EUC	cnst
3331462	3331462~NTP	esre-bla_ch1	Activator	EUC	hill
3331462	3331462~NTP	esre-bla_ch2	Activator	EUC	hill
3331462	3331462~NTP	esre-bla_ratio	Activator	EUC	hill
3331462	3331462~NTP	esre-bla_via	Inactive	EUC	cnst
3331462	3331462~NTP	hre-bla-agonist_ch1	Inactive	EUC	cnst
3331462	3331462~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
3331462	3331462~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
3331462	3331462~NTP	hre-bla-agonist_via	Repressor	EUC	hill.inv
3331462	3331462~NTP	hse-bla_ch1	Inactive	EUC	cnst
3331462	3331462~NTP	hse-bla_ch2	Activator	EUC	hill
3331462	3331462~NTP	hse-bla_ratio	Activator	EUC	hill
3331462	3331462~NTP	hse-bla_via	Inactive	EUC	cnst
3331462	3331462~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
3331462	3331462~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
3331462	3331462~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
3331462	3331462~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
3331462	3331462~NTP	p53-bla_ch1	Inactive	EUC	cnst
3331462	3331462~NTP	p53-bla_ch2	Activator	EUC	hill
3331462	3331462~NTP	p53-bla_ratio	Activator	EUC	hill
3331462	3331462~NTP	p53-bla_via	Inactive	EUC	cnst
33342051	33342051~FDA	are-bla_ch1	Inactive	cca	cnst
33342051	33342051~FDA	are-bla_ch2	Activator	cca	hill
33342051	33342051~FDA	are-bla_ratio	Activator	cca	hill
33342051	33342051~FDA	are-bla_via	Inactive	cca	cnst
33414301	33414301~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
33414301	33414301~FDA	ap1-agonist_ch2	Activator	cca	gnls
33414301	33414301~FDA	ap1-agonist_ratio	Activator	cca	gnls
33414301	33414301~FDA	ap1-agonist_via	Inactive	cca	cnst
33419420	33419420~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
33419420	33419420~EPA	ap1-agonist_ch2	Activator	cca	gnls
33419420	33419420~EPA	ap1-agonist_ratio	Activator	cca	hill
33419420	33419420~EPA	ap1-agonist_via	Repressor	cca	hill.inv
33419420	33419420~EPA	are-bla_ch1	Inactive	cca	cnst
33419420	33419420~EPA	are-bla_ch2	Activator	cca	hill
33419420	33419420~EPA	are-bla_ratio	Activator	cca	hill
33419420	33419420~EPA	are-bla_via	Inactive	cca	cnst
33419420	33419420~EPA	esre-bla_ch1	Complex	rfp	gnls
33419420	33419420~EPA	esre-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
33419420	33419420~EPA	esre-bla_ratio	Activator	rfp	hill
33419420	33419420~EPA	esre-bla_via	Repressor	rfp	hill.inv
33419420	33419420~EPA	p53-bla_ch1	Repressor	cca	hill.inv
33419420	33419420~EPA	p53-bla_ch2	Activator	cca	hill
33419420	33419420~EPA	p53-bla_ratio	Activator	cca	hill
33419420	33419420~EPA	p53-bla_via	Inactive	cca	cnst
33419420	33419420~FDA	p53-bla_ch1	Repressor	cca	hill.inv
33419420	33419420~FDA	p53-bla_ch2	Activator	cca	hill
33419420	33419420~FDA	p53-bla_ratio	Activator	cca	hill
33419420	33419420~FDA	p53-bla_via	Inactive	cca	cnst
3344772	3344772~NTP	p53-bla_ch1	Repressor	cca	hill.inv
3344772	3344772~NTP	p53-bla_ch2	Activator	cca	gnls
3344772	3344772~NTP	p53-bla_ratio	Activator	cca	gnls
3344772	3344772~NTP	p53-bla_via	Inactive	cca	cnst
3347226	3347226~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
3347226	3347226~EPA	ap1-agonist_ch2	Activator	cca	gnls
3347226	3347226~EPA	ap1-agonist_ratio	Activator	cca	gnls
3347226	3347226~EPA	ap1-agonist_via	Repressor	cca	gnls.inv
3347226	3347226~EPA	are-bla_ch1	Repressor	cca	hill.inv
3347226	3347226~EPA	are-bla_ch2	Activator	cca	gnls
3347226	3347226~EPA	are-bla_ratio	Activator	cca	gnls
3347226	3347226~EPA	are-bla_via	Repressor	cca	hill.inv
3347226	3347226~EPA	esre-bla_ch1	Repressor	PUC	hill.inv
3347226	3347226~EPA	esre-bla_ch2	Activator	PUC	gnls
3347226	3347226~EPA	esre-bla_ratio	Activator	PUC	hill
3347226	3347226~EPA	esre-bla_via	Repressor	PUC	hill.inv
3347226	3347226~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3347226	3347226~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
3347226	3347226~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
3347226	3347226~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3347226	3347226~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3347226	3347226~EPA	hse-bla_ch2	Inactive	rfp	cnst
3347226	3347226~EPA	hse-bla_ratio	Activator	rfp	hill
3347226	3347226~EPA	hse-bla_via	Repressor	rfp	hill.inv
3347226	3347226~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3347226	3347226~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3347226	3347226~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3347226	3347226~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3347226	3347226~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
3347226	3347226~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
3347226	3347226~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
3347226	3347226~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
3352872	3352872~EPA	ap1-agonist_ch1	Inactive	cca	cnst
3352872	3352872~EPA	ap1-agonist_ch2	Activator	cca	hill
3352872	3352872~EPA	ap1-agonist_ratio	Activator	cca	hill
3352872	3352872~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
335671	335671~EPA	are-bla_ch1	Inactive	PUC	cnst
335671	335671~EPA	are-bla_ch2	Activator	PUC	hill
335671	335671~EPA	are-bla_ratio	Activator	PUC	hill
335671	335671~EPA	are-bla_via	Inactive	PUC	cnst
335762	335762~EPA	are-bla_ch1	Inactive	EUC	cnst
335762	335762~EPA	are-bla_ch2	Activator	EUC	gnls
335762	335762~EPA	are-bla_ratio	Activator	EUC	gnls
335762	335762~EPA	are-bla_via	Inactive	EUC	cnst
3372029	3372029~FDA	are-bla_ch1	Inactive	cca	cnst
3372029	3372029~FDA	are-bla_ch2	Activator	cca	hill
3372029	3372029~FDA	are-bla_ratio	Activator	cca	hill
3372029	3372029~FDA	are-bla_via	Inactive	cca	cnst
33743963	33743963~FDA	are-bla_ch1	Repressor	cca	hill.inv
33743963	33743963~FDA	are-bla_ch2	Activator	cca	gnls
33743963	33743963~FDA	are-bla_ratio	Activator	cca	gnls
33743963	33743963~FDA	are-bla_via	Inactive	cca	cnst
33743963	33743963~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
33743963	33743963~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
33743963	33743963~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
33743963	33743963~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
33743963	33743963~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
33743963	33743963~FDA	hse-bla_ch2	Inactive	rfp	cnst
33743963	33743963~FDA	hse-bla_ratio	Activator	rfp	hill
33743963	33743963~FDA	hse-bla_via	Repressor	rfp	hill.inv
33765683	33765683~FDA	are-bla_ch1	Inactive	cca	cnst
33765683	33765683~FDA	are-bla_ch2	Activator	cca	hill
33765683	33765683~FDA	are-bla_ratio	Activator	cca	hill
33765683	33765683~FDA	are-bla_via	Inactive	cca	cnst
3380345	3380345~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
3380345	3380345~EPA	ap1-agonist_ratio	Activator	rfp	hill
3380345	3380345~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~EPA	are-bla_ch1	Repressor	cca	hill.inv
3380345	3380345~EPA	are-bla_ch2	Activator	cca	gnls
3380345	3380345~EPA	are-bla_ratio	Activator	cca	gnls
3380345	3380345~EPA	are-bla_via	Repressor	cca	hill.inv
3380345	3380345~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~EPA	esre-bla_ch2	Inactive	rfp	cnst
3380345	3380345~EPA	esre-bla_ratio	Activator	rfp	hill
3380345	3380345~EPA	esre-bla_via	Repressor	rfp	hill.inv
3380345	3380345~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3380345	3380345~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3380345	3380345~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~EPA	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
3380345	3380345~EPA	hse-bla_ratio	Activator	rfp	hill
3380345	3380345~EPA	hse-bla_via	Repressor	rfp	hill.inv
3380345	3380345~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3380345	3380345~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3380345	3380345~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~EPA	p53-bla_ch2	Inactive	rfp	cnst
3380345	3380345~EPA	p53-bla_ratio	Activator	rfp	hill
3380345	3380345~EPA	p53-bla_via	Repressor	rfp	hill.inv
3380345	3380345~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
3380345	3380345~FDA	ap1-agonist_ratio	Activator	rfp	hill
3380345	3380345~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~FDA	are-bla_ch1	Repressor	cca	hill.inv
3380345	3380345~FDA	are-bla_ch2	Activator	cca	gnls
3380345	3380345~FDA	are-bla_ratio	Activator	cca	gnls
3380345	3380345~FDA	are-bla_via	Repressor	cca	hill.inv
3380345	3380345~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
3380345	3380345~FDA	esre-bla_ratio	Activator	rfp	hill
3380345	3380345~FDA	esre-bla_via	Repressor	rfp	hill.inv
3380345	3380345~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3380345	3380345~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
3380345	3380345~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~FDA	hse-bla_ch2	Inactive	rfp	cnst
3380345	3380345~FDA	hse-bla_ratio	Activator	rfp	hill
3380345	3380345~FDA	hse-bla_via	Repressor	rfp	hill.inv
3380345	3380345~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3380345	3380345~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3380345	3380345~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~FDA	p53-bla_ch2	Inactive	rfp	cnst
3380345	3380345~FDA	p53-bla_ratio	Activator	rfp	hill
3380345	3380345~FDA	p53-bla_via	Repressor	rfp	hill.inv
3380345	3380345~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
3380345	3380345~NTP	ap1-agonist_ratio	Activator	rfp	hill
3380345	3380345~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~NTP	are-bla_ch1	Repressor	cca	hill.inv
3380345	3380345~NTP	are-bla_ch2	Activator	cca	gnls
3380345	3380345~NTP	are-bla_ratio	Activator	cca	gnls
3380345	3380345~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3380345	3380345~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
3380345	3380345~NTP	esre-bla_ratio	Activator	rfp	hill
3380345	3380345~NTP	esre-bla_via	Repressor	rfp	hill.inv
3380345	3380345~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
3380345	3380345~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
3380345	3380345~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~NTP	hse-bla_ch2	Inactive	rfp	cnst
3380345	3380345~NTP	hse-bla_ratio	Activator	rfp	hill
3380345	3380345~NTP	hse-bla_via	Repressor	rfp	hill.inv
3380345	3380345~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3380345	3380345~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3380345	3380345~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
3380345	3380345~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3380345	3380345~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
3380345	3380345~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
3380345	3380345~NTP	p53-bla_ratio	Activator	rfp	hill
3380345	3380345~NTP	p53-bla_via	Repressor	rfp	hill.inv
3383968	3383968~EPA	are-bla_ch1	Activator	cca	hill
3383968	3383968~EPA	are-bla_ch2	Activator	cca	gnls
3383968	3383968~EPA	are-bla_ratio	Activator	cca	gnls
3383968	3383968~EPA	are-bla_via	Repressor	cca	hill.inv
3383968	3383968~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3383968	3383968~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3383968	3383968~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3383968	3383968~EPA	hre-bla-agonist_via	Activator	rfp	hill
3383968	3383968~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3383968	3383968~EPA	hse-bla_ch2	Inactive	rfp	cnst
3383968	3383968~EPA	hse-bla_ratio	Activator	rfp	hill
3383968	3383968~EPA	hse-bla_via	Inactive	rfp	cnst
33956499	33956499~EPA	are-bla_ch1	Inactive	cca	cnst
33956499	33956499~EPA	are-bla_ch2	Activator	cca	hill
33956499	33956499~EPA	are-bla_ratio	Activator	cca	hill
33956499	33956499~EPA	are-bla_via	Inactive	cca	cnst
34031328	34031328~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
34031328	34031328~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
34031328	34031328~FDA	p53-bla_ratio	Activator	rfp	hill
34031328	34031328~FDA	p53-bla_via	Repressor	rfp	hill.inv
340578	340578~FDA	are-bla_ch1	Inactive	cca	cnst
340578	340578~FDA	are-bla_ch2	Activator	cca	hill
340578	340578~FDA	are-bla_ratio	Activator	cca	hill
340578	340578~FDA	are-bla_via	Inactive	cca	cnst
3407429	3407429~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
3407429	3407429~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
3407429	3407429~EPA	ap1-agonist_ratio	Activator	cca	hill
3407429	3407429~EPA	ap1-agonist_via	Repressor	cca	hill.inv
3407429	3407429~EPA	are-bla_ch1	Repressor	rfp	hill.inv
3407429	3407429~EPA	are-bla_ch2	Inactive	rfp	cnst
3407429	3407429~EPA	are-bla_ratio	Activator	rfp	hill
3407429	3407429~EPA	are-bla_via	Repressor	rfp	hill.inv
3407429	3407429~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3407429	3407429~EPA	hse-bla_ch2	Inactive	rfp	cnst
3407429	3407429~EPA	hse-bla_ratio	Activator	rfp	hill
3407429	3407429~EPA	hse-bla_via	Repressor	rfp	hill.inv
341031547	341031547~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
341031547	341031547~FDA	p53-bla_ch2	Inactive	rfp	cnst
341031547	341031547~FDA	p53-bla_ratio	Activator	rfp	hill
341031547	341031547~FDA	p53-bla_via	Repressor	rfp	hill.inv
34140595	34140595~FDA	ap1-agonist_ch1	Inactive	cca	cnst
34140595	34140595~FDA	ap1-agonist_ch2	Activator	cca	hill
34140595	34140595~FDA	ap1-agonist_ratio	Activator	cca	hill
34140595	34140595~FDA	ap1-agonist_via	Inactive	cca	cnst
34140595	34140595~FDA	are-bla_ch1	Inactive	cca	cnst
34140595	34140595~FDA	are-bla_ch2	Activator	cca	hill
34140595	34140595~FDA	are-bla_ratio	Activator	cca	hill
34140595	34140595~FDA	are-bla_via	Inactive	cca	cnst
34161234	34161234~EPA	are-bla_ch1	Inactive	EUC	cnst
34161234	34161234~EPA	are-bla_ch2	Activator	EUC	hill
34161234	34161234~EPA	are-bla_ratio	Activator	EUC	hill
34161234	34161234~EPA	are-bla_via	Inactive	EUC	cnst
34161234	34161234~FDA	are-bla_ch1	Inactive	cca	cnst
34161234	34161234~FDA	are-bla_ch2	Activator	cca	hill
34161234	34161234~FDA	are-bla_ratio	Activator	cca	hill
34161234	34161234~FDA	are-bla_via	Inactive	cca	cnst
3416260	3416260~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
3416260	3416260~FDA	ap1-agonist_ch2	Activator	PUC	gnls
3416260	3416260~FDA	ap1-agonist_ratio	Activator	PUC	hill
3416260	3416260~FDA	ap1-agonist_via	Repressor	PUC	hill.inv
3416260	3416260~FDA	are-bla_ch1	Repressor	rfn	hill.inv
3416260	3416260~FDA	are-bla_ch2	Activator	rfn	gnls
3416260	3416260~FDA	are-bla_ratio	Inactive	rfn	hill.inv
3416260	3416260~FDA	are-bla_via	Repressor	rfn	hill.inv
341695	341695~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
341695	341695~EPA	ap1-agonist_ch2	Activator	cca	hill
341695	341695~EPA	ap1-agonist_ratio	Activator	cca	hill
341695	341695~EPA	ap1-agonist_via	Inactive	cca	cnst
34176528	34176528~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
34176528	34176528~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
34176528	34176528~NTP	ap1-agonist_ratio	Activator	rfp	hill
34176528	34176528~NTP	ap1-agonist_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
34176528	34176528~NTP	are-bla_ch1	Repressor	cca	hill.inv
34176528	34176528~NTP	are-bla_ch2	Activator	cca	gnls
34176528	34176528~NTP	are-bla_ratio	Activator	cca	gnls
34176528	34176528~NTP	are-bla_via	Inactive	cca	cnst
34176528	34176528~NTP	hse-bla_ch1	Repressor	cca	hill.inv
34176528	34176528~NTP	hse-bla_ch2	Activator	cca	hill
34176528	34176528~NTP	hse-bla_ratio	Activator	cca	hill
34176528	34176528~NTP	hse-bla_via	Inactive	cca	cnst
34176528	34176528~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
34176528	34176528~NTP	p53-bla_ch2	Inactive	rfp	cnst
34176528	34176528~NTP	p53-bla_ratio	Activator	rfp	hill
34176528	34176528~NTP	p53-bla_via	Inactive	rfp	cnst
3424826	3424826~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
3424826	3424826~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
3424826	3424826~NTP	ap1-agonist_ratio	Activator	rfp	hill
3424826	3424826~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
34256821	34256821~EPA	are-bla_ch1	Repressor	cca	hill.inv
34256821	34256821~EPA	are-bla_ch2	Activator	cca	gnls
34256821	34256821~EPA	are-bla_ratio	Activator	cca	gnls
34256821	34256821~EPA	are-bla_via	Repressor	cca	hill.inv
34256821	34256821~NTP	are-bla_ch1	Repressor	cca	hill.inv
34256821	34256821~NTP	are-bla_ch2	Activator	cca	gnls
34256821	34256821~NTP	are-bla_ratio	Activator	cca	gnls
34256821	34256821~NTP	are-bla_via	Repressor	cca	hill.inv
344930956	344930956~EPA	are-bla_ch1	Repressor	rfp	hill.inv
344930956	344930956~EPA	are-bla_ch2	Inactive	rfp	cnst
344930956	344930956~EPA	are-bla_ratio	Activator	rfp	hill
344930956	344930956~EPA	are-bla_via	Inactive	rfp	cnst
34562317	34562317~EPA	are-bla_ch1	Inactive	EUC	cnst
34562317	34562317~EPA	are-bla_ch2	Activator	EUC	hill
34562317	34562317~EPA	are-bla_ratio	Activator	EUC	hill
34562317	34562317~EPA	are-bla_via	Inactive	EUC	cnst
3468119	3468119~EPA	are-bla_ch1	Repressor	cca	hill.inv
3468119	3468119~EPA	are-bla_ch2	Activator	cca	gnls
3468119	3468119~EPA	are-bla_ratio	Activator	cca	gnls
3468119	3468119~EPA	are-bla_via	Inactive	cca	cnst
3468119	3468119~EPA	p53-bla_ch1	Repressor	cca	gnls.inv
3468119	3468119~EPA	p53-bla_ch2	Activator	cca	gnls
3468119	3468119~EPA	p53-bla_ratio	Activator	cca	gnls
3468119	3468119~EPA	p53-bla_via	Repressor	cca	hill.inv
35189287	35189287~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
35189287	35189287~FDA	ap1-agonist_ch2	Activator	cca	gnls
35189287	35189287~FDA	ap1-agonist_ratio	Activator	cca	hill
35189287	35189287~FDA	ap1-agonist_via	Repressor	cca	hill.inv
35189287	35189287~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
35189287	35189287~FDA	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
35189287	35189287~FDA	hse-bla_ratio	Activator	rfp	hill
35189287	35189287~FDA	hse-bla_via	Repressor	rfp	hill.inv
35189287	35189287~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
35189287	35189287~FDA	p53-bla_ch2	Inactive	rfp	cnst
35189287	35189287~FDA	p53-bla_ratio	Activator	rfp	hill
35189287	35189287~FDA	p53-bla_via	Repressor	rfp	hill.inv
3520421	3520421~NTP	ap1-agonist_ch1	Inactive	cca	cnst
3520421	3520421~NTP	ap1-agonist_ch2	Activator	cca	hill
3520421	3520421~NTP	ap1-agonist_ratio	Activator	cca	hill
3520421	3520421~NTP	ap1-agonist_via	Repressor	cca	hill.inv
35212227	35212227~FDA	are-bla_ch1	Inactive	cca	cnst
35212227	35212227~FDA	are-bla_ch2	Activator	cca	hill
35212227	35212227~FDA	are-bla_ratio	Activator	cca	hill
35212227	35212227~FDA	are-bla_via	Inactive	cca	cnst
3521628	3521628~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
3521628	3521628~EPA	ap1-agonist_ch2	Activator	cca	gnls
3521628	3521628~EPA	ap1-agonist_ratio	Activator	cca	hill
3521628	3521628~EPA	ap1-agonist_via	Inactive	cca	cnst
3521628	3521628~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3521628	3521628~EPA	hse-bla_ch2	Inactive	rfp	cnst
3521628	3521628~EPA	hse-bla_ratio	Activator	rfp	hill
3521628	3521628~EPA	hse-bla_via	Repressor	rfp	hill.inv
3521628	3521628~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3521628	3521628~EPA	p53-bla_ch2	Inactive	rfp	cnst
3521628	3521628~EPA	p53-bla_ratio	Activator	rfp	hill
3521628	3521628~EPA	p53-bla_via	Repressor	rfp	hill.inv
3524683	3524683~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
3524683	3524683~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
3524683	3524683~EPA	ap1-agonist_ratio	Activator	rfp	gnls
3524683	3524683~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
3524683	3524683~EPA	are-bla_ch1	Repressor	cca	hill.inv
3524683	3524683~EPA	are-bla_ch2	Activator	cca	gnls
3524683	3524683~EPA	are-bla_ratio	Activator	cca	gnls
3524683	3524683~EPA	are-bla_via	Repressor	cca	hill.inv
3524683	3524683~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
3524683	3524683~EPA	esre-bla_ch2	Inactive	rfp	cnst
3524683	3524683~EPA	esre-bla_ratio	Activator	rfp	hill
3524683	3524683~EPA	esre-bla_via	Repressor	rfp	hill.inv
3524683	3524683~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3524683	3524683~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3524683	3524683~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
3524683	3524683~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3524683	3524683~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3524683	3524683~EPA	hse-bla_ch2	Inactive	rfp	cnst
3524683	3524683~EPA	hse-bla_ratio	Activator	rfp	gnls
3524683	3524683~EPA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3524683	3524683~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3524683	3524683~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3524683	3524683~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3524683	3524683~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3524683	3524683~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3524683	3524683~EPA	p53-bla_ch2	Inactive	rfp	cnst
3524683	3524683~EPA	p53-bla_ratio	Activator	rfp	hill
3524683	3524683~EPA	p53-bla_via	Repressor	rfp	hill.inv
3524683	3524683~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
3524683	3524683~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
3524683	3524683~NTP	ap1-agonist_ratio	Activator	rfp	gnls
3524683	3524683~NTP	ap1-agonist_via	Inactive	rfp	cnst
3524683	3524683~NTP	are-bla_ch1	Repressor	cca	gnls.inv
3524683	3524683~NTP	are-bla_ch2	Activator	cca	gnls
3524683	3524683~NTP	are-bla_ratio	Activator	cca	gnls
3524683	3524683~NTP	are-bla_via	Repressor	cca	hill.inv
3524683	3524683~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3524683	3524683~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
3524683	3524683~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
3524683	3524683~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
3524683	3524683~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
3524683	3524683~NTP	hse-bla_ch2	Inactive	rfp	cnst
3524683	3524683~NTP	hse-bla_ratio	Activator	rfp	hill
3524683	3524683~NTP	hse-bla_via	Repressor	rfp	hill.inv
3524683	3524683~NTP	p53-bla_ch1	Repressor	PUC	hill.inv
3524683	3524683~NTP	p53-bla_ch2	Activator	PUC	gnls
3524683	3524683~NTP	p53-bla_ratio	Activator	PUC	hill
3524683	3524683~NTP	p53-bla_via	Repressor	PUC	hill.inv
35250534	35250534~EPA	p53-bla_ch1	Inactive	cca	cnst
35250534	35250534~EPA	p53-bla_ch2	Activator	cca	hill
35250534	35250534~EPA	p53-bla_ratio	Activator	cca	hill
35250534	35250534~EPA	p53-bla_via	Inactive	cca	cnst
3542367	3542367~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
3542367	3542367~NTP	ap1-agonist_ch2	Activator	EOC	hill
3542367	3542367~NTP	ap1-agonist_ratio	Activator	EOC	hill
3542367	3542367~NTP	ap1-agonist_via	Inactive	EOC	cnst
3542367	3542367~NTP	are-bla_ch1	Repressor	cca	gnls.inv
3542367	3542367~NTP	are-bla_ch2	Activator	cca	gnls
3542367	3542367~NTP	are-bla_ratio	Activator	cca	gnls
3542367	3542367~NTP	are-bla_via	Repressor	cca	hill.inv
3542367	3542367~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3542367	3542367~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
3542367	3542367~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
3542367	3542367~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
3542367	3542367~NTP	hse-bla_ch1	Repressor	cca	hill.inv
3542367	3542367~NTP	hse-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
3542367	3542367~NTP	hse-bla_ratio	Activator	cca	hill
3542367	3542367~NTP	hse-bla_via	Repressor	cca	hill.inv
3542367	3542367~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
3542367	3542367~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
3542367	3542367~NTP	p53-bla_ratio	Activator	rfp	hill
3542367	3542367~NTP	p53-bla_via	Repressor	rfp	hill.inv
3546416	3546416~FDA	p53-bla_ch1	Repressor	cca	hill.inv
3546416	3546416~FDA	p53-bla_ch2	Activator	cca	hill
3546416	3546416~FDA	p53-bla_ratio	Activator	cca	hill
3546416	3546416~FDA	p53-bla_via	Repressor	cca	hill.inv
35554440	35554440~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
35554440	35554440~EPA	ap1-agonist_ch2	Activator	EOC	gnls
35554440	35554440~EPA	ap1-agonist_ratio	Activator	EOC	hill
35554440	35554440~EPA	ap1-agonist_via	Inactive	EOC	cnst
35554440	35554440~EPA	are-bla_ch1	Repressor	rfp	hill.inv
35554440	35554440~EPA	are-bla_ch2	Inactive	rfp	hill.inv
35554440	35554440~EPA	are-bla_ratio	Activator	rfp	hill
35554440	35554440~EPA	are-bla_via	Inactive	rfp	cnst
35554440	35554440~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
35554440	35554440~EPA	esre-bla_ch2	Inactive	rfp	cnst
35554440	35554440~EPA	esre-bla_ratio	Activator	rfp	hill
35554440	35554440~EPA	esre-bla_via	Inactive	rfp	cnst
35554440	35554440~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
35554440	35554440~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
35554440	35554440~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
35554440	35554440~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
35554440	35554440~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
35554440	35554440~EPA	hse-bla_ch2	Activator	EOC	hill
35554440	35554440~EPA	hse-bla_ratio	Activator	EOC	hill
35554440	35554440~EPA	hse-bla_via	Inactive	EOC	cnst
35554440	35554440~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
35554440	35554440~NTP	ap1-agonist_ch2	Activator	EOC	gnls
35554440	35554440~NTP	ap1-agonist_ratio	Activator	EOC	hill
35554440	35554440~NTP	ap1-agonist_via	Inactive	EOC	cnst
35554440	35554440~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
35554440	35554440~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
35554440	35554440~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
35554440	35554440~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
35554440	35554440~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
35554440	35554440~NTP	hse-bla_ch2	Activator	EOC	hill
35554440	35554440~NTP	hse-bla_ratio	Activator	EOC	hill
35554440	35554440~NTP	hse-bla_via	Inactive	EOC	cnst
35554440	35554440~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
35554440	35554440~NTP	p53-bla_ch2	Inactive	rfp	cnst
35554440	35554440~NTP	p53-bla_ratio	Activator	rfp	hill
35554440	35554440~NTP	p53-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
35575963	35575963~EPA	are-bla_ch1	Repressor	cca	hill.inv
35575963	35575963~EPA	are-bla_ch2	Activator	cca	gnls
35575963	35575963~EPA	are-bla_ratio	Activator	cca	hill
35575963	35575963~EPA	are-bla_via	Repressor	cca	hill.inv
3562843	3562843~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
3562843	3562843~FDA	ap1-agonist_ch2	Activator	cca	gnls
3562843	3562843~FDA	ap1-agonist_ratio	Activator	cca	gnls
3562843	3562843~FDA	ap1-agonist_via	Inactive	cca	cnst
3562843	3562843~FDA	are-bla_ch1	Activator	cca	hill
3562843	3562843~FDA	are-bla_ch2	Activator	cca	gnls
3562843	3562843~FDA	are-bla_ratio	Activator	cca	gnls
3562843	3562843~FDA	are-bla_via	Repressor	cca	hill.inv
3562843	3562843~FDA	p53-bla_ch1	Repressor	PUC	hill.inv
3562843	3562843~FDA	p53-bla_ch2	Activator	PUC	hill
3562843	3562843~FDA	p53-bla_ratio	Activator	PUC	hill
3562843	3562843~FDA	p53-bla_via	Repressor	PUC	hill.inv
3569106	3569106~NTP	are-bla_ch1	Inactive	EUC	cnst
3569106	3569106~NTP	are-bla_ch2	Activator	EUC	hill
3569106	3569106~NTP	are-bla_ratio	Activator	EUC	hill
3569106	3569106~NTP	are-bla_via	Inactive	EUC	cnst
35691657	35691657~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
35691657	35691657~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
35691657	35691657~EPA	ap1-agonist_ratio	Activator	rfp	hill
35691657	35691657~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
35691657	35691657~EPA	are-bla_ch1	Repressor	cca	hill.inv
35691657	35691657~EPA	are-bla_ch2	Activator	cca	gnls
35691657	35691657~EPA	are-bla_ratio	Activator	cca	gnls
35691657	35691657~EPA	are-bla_via	Repressor	cca	hill.inv
35691657	35691657~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
35691657	35691657~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
35691657	35691657~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
35691657	35691657~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
35898874	35898874~FDA	are-bla_ch1	Inactive	cca	cnst
35898874	35898874~FDA	are-bla_ch2	Activator	cca	hill
35898874	35898874~FDA	are-bla_ratio	Activator	cca	hill
35898874	35898874~FDA	are-bla_via	Inactive	cca	cnst
35935343	35935343~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
35935343	35935343~NTP	ap1-agonist_ch2	Activator	cca	hill
35935343	35935343~NTP	ap1-agonist_ratio	Activator	cca	hill
35935343	35935343~NTP	ap1-agonist_via	Inactive	cca	cnst
35941652	35941652~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
35941652	35941652~FDA	ap1-agonist_ch2	Activator	cca	gnls
35941652	35941652~FDA	ap1-agonist_ratio	Activator	cca	hill
35941652	35941652~FDA	ap1-agonist_via	Inactive	cca	cnst
35943352	35943352~FDA	are-bla_ch1	Repressor	cca	hill.inv
35943352	35943352~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
35943352	35943352~FDA	are-bla_ratio	Activator	cca	hill
35943352	35943352~FDA	are-bla_via	Inactive	cca	cnst
359845219	359845219~NTP	are-bla_ch1	Inactive	PUC	cnst
359845219	359845219~NTP	are-bla_ch2	Activator	PUC	hill
359845219	359845219~NTP	are-bla_ratio	Activator	PUC	hill
359845219	359845219~NTP	are-bla_via	Inactive	PUC	cnst
361343193	361343193~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
361343193	361343193~EPA	ap1-agonist_ch2	Activator	cca	hill
361343193	361343193~EPA	ap1-agonist_ratio	Activator	cca	hill
361343193	361343193~EPA	ap1-agonist_via	Repressor	cca	hill.inv
361343193	361343193~EPA	are-bla_ch1	Repressor	EUC	hill.inv
361343193	361343193~EPA	are-bla_ch2	Activator	EUC	gnls
361343193	361343193~EPA	are-bla_ratio	Activator	EUC	gnls
361343193	361343193~EPA	are-bla_via	Repressor	EUC	hill.inv
361343193	361343193~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
361343193	361343193~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
361343193	361343193~EPA	p53-bla_ratio	Activator	rfp	hill
361343193	361343193~EPA	p53-bla_via	Repressor	rfp	hill.inv
361377299	361377299~EPA	are-bla_ch1	Repressor	cca	hill.inv
361377299	361377299~EPA	are-bla_ch2	Activator	cca	gnls
361377299	361377299~EPA	are-bla_ratio	Activator	cca	gnls
361377299	361377299~EPA	are-bla_via	Inactive	cca	cnst
36167632	36167632~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
36167632	36167632~FDA	ap1-agonist_ch2	Activator	PUC	gnls
36167632	36167632~FDA	ap1-agonist_ratio	Activator	PUC	hill
36167632	36167632~FDA	ap1-agonist_via	Inactive	PUC	cnst
36167632	36167632~FDA	are-bla_ch1	Inactive	EUC	cnst
36167632	36167632~FDA	are-bla_ch2	Activator	EUC	hill
36167632	36167632~FDA	are-bla_ratio	Activator	EUC	hill
36167632	36167632~FDA	are-bla_via	Inactive	EUC	cnst
36167632	36167632~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
36167632	36167632~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
36167632	36167632~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
36167632	36167632~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
362043467	362043467~NTP	are-bla_ch1	Complex	EUC	gnls.inv
362043467	362043467~NTP	are-bla_ch2	Activator	EUC	gnls
362043467	362043467~NTP	are-bla_ratio	Activator	EUC	gnls
362043467	362043467~NTP	are-bla_via	Inactive	EUC	cnst
36415619	36415619~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
36415619	36415619~FDA	ap1-agonist_ch2	Activator	cca	gnls
36415619	36415619~FDA	ap1-agonist_ratio	Activator	cca	gnls
36415619	36415619~FDA	ap1-agonist_via	Repressor	cca	hill.inv
36415619	36415619~FDA	hse-bla_ch1	Inactive	cca	cnst
36415619	36415619~FDA	hse-bla_ch2	Activator	cca	hill
36415619	36415619~FDA	hse-bla_ratio	Activator	cca	hill
36415619	36415619~FDA	hse-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
36431728	36431728~EPA	are-bla_ch1	Inactive	cca	cnst
36431728	36431728~EPA	are-bla_ch2	Activator	cca	hill
36431728	36431728~EPA	are-bla_ratio	Activator	cca	hill
36431728	36431728~EPA	are-bla_via	Inactive	cca	cnst
36443808	36443808~NTP	are-bla_ch1	Inactive	cca	cnst
36443808	36443808~NTP	are-bla_ch2	Activator	cca	hill
36443808	36443808~NTP	are-bla_ratio	Activator	cca	hill
36443808	36443808~NTP	are-bla_via	Inactive	cca	cnst
3644619	3644619~FDA	are-bla_ch1	Inactive	EUC	cnst
3644619	3644619~FDA	are-bla_ch2	Activator	EUC	hill
3644619	3644619~FDA	are-bla_ratio	Activator	EUC	hill
3644619	3644619~FDA	are-bla_via	Inactive	EUC	cnst
364782343	364782343~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
364782343	364782343~FDA	ap1-agonist_ch2	Activator	cca	gnls
364782343	364782343~FDA	ap1-agonist_ratio	Activator	cca	hill
364782343	364782343~FDA	ap1-agonist_via	Repressor	cca	hill.inv
364782343	364782343~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
364782343	364782343~FDA	esre-bla_ch2	Inactive	rfp	cnst
364782343	364782343~FDA	esre-bla_ratio	Activator	rfp	hill
364782343	364782343~FDA	esre-bla_via	Repressor	rfp	hill.inv
364782343	364782343~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
364782343	364782343~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
364782343	364782343~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
364782343	364782343~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
364782343	364782343~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
364782343	364782343~FDA	hse-bla_ch2	Inactive	rfp	cnst
364782343	364782343~FDA	hse-bla_ratio	Activator	rfp	hill
364782343	364782343~FDA	hse-bla_via	Repressor	rfp	hill.inv
364782343	364782343~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
364782343	364782343~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
364782343	364782343~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
364782343	364782343~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
364782343	364782343~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
364782343	364782343~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
364782343	364782343~FDA	p53-bla_ratio	Activator	rfp	hill
364782343	364782343~FDA	p53-bla_via	Repressor	rfp	hill.inv
36505847	36505847~EPA	are-bla_ch1	Inactive	PUC	cnst
36505847	36505847~EPA	are-bla_ch2	Activator	PUC	hill
36505847	36505847~EPA	are-bla_ratio	Activator	PUC	hill
36505847	36505847~EPA	are-bla_via	Inactive	PUC	cnst
36653824	36653824~EPA	are-bla_ch1	Inactive	cca	cnst
36653824	36653824~EPA	are-bla_ch2	Activator	cca	hill
36653824	36653824~EPA	are-bla_ratio	Activator	cca	hill
36653824	36653824~EPA	are-bla_via	Inactive	cca	cnst
36653824	36653824~FDA	are-bla_ch1	Inactive	cca	cnst
36653824	36653824~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
36653824	36653824~FDA	are-bla_ratio	Activator	cca	hill
36653824	36653824~FDA	are-bla_via	Inactive	cca	cnst
36673162	36673162~EPA	ap1-agonist_ch1	Inactive	cca	cnst
36673162	36673162~EPA	ap1-agonist_ch2	Activator	cca	hill
36673162	36673162~EPA	ap1-agonist_ratio	Activator	cca	hill
36673162	36673162~EPA	ap1-agonist_via	Inactive	cca	cnst
36791045	36791045~FDA	p53-bla_ch1	Inactive	cca	cnst
36791045	36791045~FDA	p53-bla_ch2	Activator	cca	hill
36791045	36791045~FDA	p53-bla_ratio	Activator	cca	hill
36791045	36791045~FDA	p53-bla_via	Inactive	cca	cnst
36791045	36791045~NTP	p53-bla_ch1	Repressor	cca	hill.inv
36791045	36791045~NTP	p53-bla_ch2	Activator	cca	hill
36791045	36791045~NTP	p53-bla_ratio	Activator	cca	hill
36791045	36791045~NTP	p53-bla_via	Inactive	cca	cnst
36861479	36861479~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
36861479	36861479~NTP	ap1-agonist_ch2	Activator	EOC	gnls
36861479	36861479~NTP	ap1-agonist_ratio	Activator	EOC	hill
36861479	36861479~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
368832422	368832422~EPA	p53-bla_ch1	Inactive	cca	cnst
368832422	368832422~EPA	p53-bla_ch2	Activator	cca	gnls
368832422	368832422~EPA	p53-bla_ratio	Activator	cca	gnls
368832422	368832422~EPA	p53-bla_via	Inactive	cca	cnst
3689767	3689767~FDA	are-bla_ch1	Repressor	EUC	hill.inv
3689767	3689767~FDA	are-bla_ch2	Activator	EUC	gnls
3689767	3689767~FDA	are-bla_ratio	Activator	EUC	gnls
3689767	3689767~FDA	are-bla_via	Inactive	EUC	cnst
3691358	3691358~EPA	are-bla_ch1	Repressor	cca	hill.inv
3691358	3691358~EPA	are-bla_ch2	Activator	cca	gnls
3691358	3691358~EPA	are-bla_ratio	Activator	cca	gnls
3691358	3691358~EPA	are-bla_via	Repressor	cca	hill.inv
3691358	3691358~EPA	esre-bla_ch1	Repressor	cca	hill.inv
3691358	3691358~EPA	esre-bla_ch2	Activator	cca	gnls
3691358	3691358~EPA	esre-bla_ratio	Activator	cca	hill
3691358	3691358~EPA	esre-bla_via	Inactive	cca	cnst
3691358	3691358~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3691358	3691358~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
3691358	3691358~EPA	p53-bla_ratio	Activator	rfp	hill
3691358	3691358~EPA	p53-bla_via	Repressor	rfp	hill.inv
3696284	3696284~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
3696284	3696284~FDA	ap1-agonist_ch2	Activator	cca	gnls
3696284	3696284~FDA	ap1-agonist_ratio	Activator	cca	gnls
3696284	3696284~FDA	ap1-agonist_via	Complex	cca	gnls.inv
3696284	3696284~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
3696284	3696284~FDA	hse-bla_ch2	Inactive	rfp	cnst
3696284	3696284~FDA	hse-bla_ratio	Activator	rfp	hill
3696284	3696284~FDA	hse-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
3696284	3696284~FDA	p53-bla_ch1	Inactive	cca	cnst
3696284	3696284~FDA	p53-bla_ch2	Activator	cca	hill
3696284	3696284~FDA	p53-bla_ratio	Activator	cca	hill
3696284	3696284~FDA	p53-bla_via	Inactive	cca	cnst
3697425	3697425~EPA	are-bla_ch1	Repressor	cca	hill.inv
3697425	3697425~EPA	are-bla_ch2	Activator	cca	gnls
3697425	3697425~EPA	are-bla_ratio	Activator	cca	gnls
3697425	3697425~EPA	are-bla_via	Repressor	cca	hill.inv
3697425	3697425~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
3697425	3697425~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
3697425	3697425~EPA	esre-bla_ratio	Activator	rfp	hill
3697425	3697425~EPA	esre-bla_via	Repressor	rfp	hill.inv
3697425	3697425~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3697425	3697425~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3697425	3697425~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3697425	3697425~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3697425	3697425~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
3697425	3697425~EPA	hse-bla_ch2	Inactive	rfp	cnst
3697425	3697425~EPA	hse-bla_ratio	Activator	rfp	hill
3697425	3697425~EPA	hse-bla_via	Repressor	rfp	hill.inv
3697425	3697425~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3697425	3697425~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3697425	3697425~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3697425	3697425~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3697425	3697425~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3697425	3697425~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
3697425	3697425~EPA	p53-bla_ratio	Activator	rfp	hill
3697425	3697425~EPA	p53-bla_via	Repressor	rfp	hill.inv
369777	369777~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
369777	369777~FDA	ap1-agonist_ch2	Activator	cca	gnls
369777	369777~FDA	ap1-agonist_ratio	Activator	cca	hill
369777	369777~FDA	ap1-agonist_via	Repressor	cca	hill.inv
369777	369777~FDA	are-bla_ch1	Repressor	EUC	hill.inv
369777	369777~FDA	are-bla_ch2	Activator	EUC	gnls
369777	369777~FDA	are-bla_ratio	Activator	EUC	gnls
369777	369777~FDA	are-bla_via	Repressor	EUC	hill.inv
369777	369777~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
369777	369777~FDA	esre-bla_ch2	Inactive	rfp	cnst
369777	369777~FDA	esre-bla_ratio	Activator	rfp	hill
369777	369777~FDA	esre-bla_via	Repressor	rfp	hill.inv
369777	369777~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
369777	369777~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
369777	369777~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
369777	369777~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
369777	369777~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
369777	369777~FDA	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
369777	369777~FDA	hse-bla_ratio	Activator	rfp	hill
369777	369777~FDA	hse-bla_via	Repressor	rfp	hill.inv
369777	369777~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
369777	369777~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
369777	369777~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
369777	369777~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
369777	369777~FDA	p53-bla_ch1	Repressor	cca	hill.inv
369777	369777~FDA	p53-bla_ch2	Activator	cca	hill
369777	369777~FDA	p53-bla_ratio	Activator	cca	hill
369777	369777~FDA	p53-bla_via	Inactive	cca	cnst
37132722	37132722~FDA	p53-bla_ch1	Inactive	cca	cnst
37132722	37132722~FDA	p53-bla_ch2	Activator	cca	hill
37132722	37132722~FDA	p53-bla_ratio	Activator	cca	hill
37132722	37132722~FDA	p53-bla_via	Inactive	cca	cnst
373499	373499~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
373499	373499~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
373499	373499~EPA	ap1-agonist_ratio	Activator	rfp	hill
373499	373499~EPA	ap1-agonist_via	Inactive	rfp	cnst
373499	373499~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
373499	373499~EPA	hse-bla_ch2	Inactive	rfp	cnst
373499	373499~EPA	hse-bla_ratio	Activator	rfp	hill
373499	373499~EPA	hse-bla_via	Repressor	rfp	hill.inv
3736810	3736810~FDA	are-bla_ch1	Inactive	cca	cnst
3736810	3736810~FDA	are-bla_ch2	Activator	cca	hill
3736810	3736810~FDA	are-bla_ratio	Activator	cca	hill
3736810	3736810~FDA	are-bla_via	Inactive	cca	cnst
3737415	3737415~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
3737415	3737415~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
3737415	3737415~EPA	ap1-agonist_ratio	Activator	rfp	hill
3737415	3737415~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
3737415	3737415~EPA	are-bla_ch1	Repressor	cca	hill.inv
3737415	3737415~EPA	are-bla_ch2	Activator	cca	gnls
3737415	3737415~EPA	are-bla_ratio	Activator	cca	gnls
3737415	3737415~EPA	are-bla_via	Repressor	cca	hill.inv
3737415	3737415~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
3737415	3737415~EPA	esre-bla_ch2	Inactive	rfp	cnst
3737415	3737415~EPA	esre-bla_ratio	Activator	rfp	hill
3737415	3737415~EPA	esre-bla_via	Repressor	rfp	hill.inv
3737415	3737415~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3737415	3737415~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3737415	3737415~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3737415	3737415~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
3737415	3737415~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
3737415	3737415~EPA	hse-bla_ch2	Activator	EOC	hill
3737415	3737415~EPA	hse-bla_ratio	Activator	EOC	hill
3737415	3737415~EPA	hse-bla_via	Repressor	EOC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3737415	3737415~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
3737415	3737415~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
3737415	3737415~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
3737415	3737415~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
3737415	3737415~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
3737415	3737415~EPA	p53-bla_ch2	Inactive	rfp	cnst
3737415	3737415~EPA	p53-bla_ratio	Activator	rfp	hill
3737415	3737415~EPA	p53-bla_via	Repressor	rfp	hill.inv
374683440	374683440~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
374683440	374683440~NTP	ap1-agonist_ch2	Activator	EOC	gnls
374683440	374683440~NTP	ap1-agonist_ratio	Activator	EOC	gnls
374683440	374683440~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
374683440	374683440~NTP	are-bla_ch1	Repressor	rfp	hill.inv
374683440	374683440~NTP	are-bla_ch2	Inactive	rfp	hill.inv
374683440	374683440~NTP	are-bla_ratio	Activator	rfp	hill
374683440	374683440~NTP	are-bla_via	Repressor	rfp	hill.inv
374683440	374683440~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
374683440	374683440~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
374683440	374683440~NTP	esre-bla_ratio	Activator	rfp	hill
374683440	374683440~NTP	esre-bla_via	Repressor	rfp	hill.inv
374683440	374683440~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
374683440	374683440~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
374683440	374683440~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
374683440	374683440~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
374683440	374683440~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
374683440	374683440~NTP	hse-bla_ch2	Inactive	rfp	cnst
374683440	374683440~NTP	hse-bla_ratio	Activator	rfp	hill
374683440	374683440~NTP	hse-bla_via	Repressor	rfp	hill.inv
374683440	374683440~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
374683440	374683440~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
374683440	374683440~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
374683440	374683440~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
374683440	374683440~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
374683440	374683440~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
374683440	374683440~NTP	p53-bla_ratio	Activator	rfp	hill
374683440	374683440~NTP	p53-bla_via	Repressor	rfp	hill.inv
375395338	375395338~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
375395338	375395338~NTP	ap1-agonist_ch2	Activator	EOC	gnls
375395338	375395338~NTP	ap1-agonist_ratio	Activator	EOC	gnls
375395338	375395338~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
375395338	375395338~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
375395338	375395338~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
375395338	375395338~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
375395338	375395338~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
375395338	375395338~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
375395338	375395338~NTP	hse-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
375395338	375395338~NTP	hse-bla_ratio	Activator	rfp	gnls
375395338	375395338~NTP	hse-bla_via	Repressor	rfp	hill.inv
375395338	375395338~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
375395338	375395338~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
375395338	375395338~NTP	p53-bla_ratio	Activator	rfp	hill
375395338	375395338~NTP	p53-bla_via	Repressor	rfp	hill.inv
37561276	37561276~FDA	are-bla_ch1	Inactive	EUC	cnst
37561276	37561276~FDA	are-bla_ch2	Activator	EUC	hill
37561276	37561276~FDA	are-bla_ratio	Activator	EUC	hill
37561276	37561276~FDA	are-bla_via	Inactive	EUC	cnst
375859	375859~EPA	are-bla_ch1	Inactive	cca	cnst
375859	375859~EPA	are-bla_ch2	Activator	cca	hill
375859	375859~EPA	are-bla_ratio	Activator	cca	hill
375859	375859~EPA	are-bla_via	Inactive	cca	cnst
375951	375951~EPA	are-bla_ch1	Inactive	EUC	cnst
375951	375951~EPA	are-bla_ch2	Activator	EUC	gnls
375951	375951~EPA	are-bla_ratio	Activator	EUC	hill
375951	375951~EPA	are-bla_via	Repressor	EUC	hill.inv
375951	375951~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
375951	375951~EPA	p53-bla_ch2	Activator	EOC	hill
375951	375951~EPA	p53-bla_ratio	Activator	EOC	hill
375951	375951~EPA	p53-bla_via	Repressor	EOC	hill.inv
3759920	3759920~FDA	are-bla_ch1	Inactive	rfp	cnst
3759920	3759920~FDA	are-bla_ch2	Inactive	rfp	cnst
3759920	3759920~FDA	are-bla_ratio	Activator	rfp	hill
3759920	3759920~FDA	are-bla_via	Inactive	rfp	cnst
37609259	37609259~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
37609259	37609259~EPA	ap1-agonist_ch2	Activator	EOC	hill
37609259	37609259~EPA	ap1-agonist_ratio	Activator	EOC	hill
37609259	37609259~EPA	ap1-agonist_via	Inactive	EOC	cnst
3764010	3764010~NTP	are-bla_ch1	Repressor	cca	hill.inv
3764010	3764010~NTP	are-bla_ch2	Activator	cca	gnls
3764010	3764010~NTP	are-bla_ratio	Activator	cca	hill
3764010	3764010~NTP	are-bla_via	Repressor	cca	hill.inv
37693019	37693019~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
37693019	37693019~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
37693019	37693019~FDA	ap1-agonist_ratio	Activator	rfp	hill
37693019	37693019~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
37693019	37693019~FDA	are-bla_ch1	Repressor	cca	hill.inv
37693019	37693019~FDA	are-bla_ch2	Activator	cca	gnls
37693019	37693019~FDA	are-bla_ratio	Activator	cca	gnls
37693019	37693019~FDA	are-bla_via	Repressor	cca	hill.inv
37693019	37693019~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
37693019	37693019~FDA	esre-bla_ch2	Inactive	rfp	cnst
37693019	37693019~FDA	esre-bla_ratio	Activator	rfp	hill
37693019	37693019~FDA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
37693019	37693019~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
37693019	37693019~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
37693019	37693019~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
37693019	37693019~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
37693019	37693019~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
37693019	37693019~FDA	hse-bla_ch2	Inactive	rfp	cnst
37693019	37693019~FDA	hse-bla_ratio	Activator	rfp	hill
37693019	37693019~FDA	hse-bla_via	Repressor	rfp	hill.inv
37693019	37693019~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
37693019	37693019~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
37693019	37693019~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
37693019	37693019~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
37693019	37693019~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
37693019	37693019~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
37693019	37693019~FDA	p53-bla_ratio	Activator	rfp	hill
37693019	37693019~FDA	p53-bla_via	Repressor	rfp	hill.inv
3775551	3775551~EPA	are-bla_ch1	Repressor	cca	hill.inv
3775551	3775551~EPA	are-bla_ch2	Activator	cca	gnls
3775551	3775551~EPA	are-bla_ratio	Activator	cca	gnls
3775551	3775551~EPA	are-bla_via	Repressor	cca	hill.inv
3777693	3777693~EPA	are-bla_ch1	Repressor	rfp	hill.inv
3777693	3777693~EPA	are-bla_ch2	Inactive	rfp	cnst
3777693	3777693~EPA	are-bla_ratio	Activator	rfp	hill
3777693	3777693~EPA	are-bla_via	Inactive	rfp	cnst
379522	379522~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
379522	379522~EPA	ap1-agonist_ch2	Activator	PUC	gnls
379522	379522~EPA	ap1-agonist_ratio	Activator	PUC	hill
379522	379522~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
379522	379522~EPA	are-bla_ch1	Repressor	EUC/PUC	hill.inv
379522	379522~EPA	are-bla_ch2	Activator	EUC/PUC	gnls
379522	379522~EPA	are-bla_ratio	Activator	EUC/PUC	gnls
379522	379522~EPA	are-bla_via	Repressor	EUC/PUC	hill.inv
379522	379522~EPA	esre-bla_ch1	Complex	EOC/PUC	gnls
379522	379522~EPA	esre-bla_ch2	Activator	EOC/PUC	gnls
379522	379522~EPA	esre-bla_ratio	Activator	EOC/PUC	gnls.inv
379522	379522~EPA	esre-bla_via	Repressor	EOC/PUC	hill.inv
379522	379522~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
379522	379522~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
379522	379522~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
379522	379522~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
379522	379522~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
379522	379522~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
379522	379522~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
379522	379522~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
379522	379522~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
379522	379522~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
379522	379522~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
379522	379522~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
379522	379522~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
379522	379522~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
379522	379522~EPA	p53-bla_ratio	Activator	rfp	hill
379522	379522~EPA	p53-bla_via	Repressor	rfp	hill.inv
379793	379793~NTP	are-bla_ch1	Repressor	cca	hill.inv
379793	379793~NTP	are-bla_ch2	Activator	cca	gnls
379793	379793~NTP	are-bla_ratio	Activator	cca	hill
379793	379793~NTP	are-bla_via	Inactive	cca	cnst
379793	379793~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
379793	379793~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
379793	379793~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
379793	379793~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
379793	379793~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
379793	379793~NTP	hse-bla_ch2	Inactive	rfp	cnst
379793	379793~NTP	hse-bla_ratio	Activator	rfp	hill
379793	379793~NTP	hse-bla_via	Inactive	rfp	cnst
379793	379793~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
379793	379793~NTP	p53-bla_ch2	Inactive	rfp	cnst
379793	379793~NTP	p53-bla_ratio	Activator	rfp	hill
379793	379793~NTP	p53-bla_via	Inactive	rfp	cnst
380315800	380315800~FDA	p53-bla_ch1	Repressor	cca	hill.inv
380315800	380315800~FDA	p53-bla_ch2	Activator	cca	hill
380315800	380315800~FDA	p53-bla_ratio	Activator	cca	hill
380315800	380315800~FDA	p53-bla_via	Repressor	cca	hill.inv
3810353	3810353~FDA	are-bla_ch1	Inactive	cca	cnst
3810353	3810353~FDA	are-bla_ch2	Activator	cca	hill
3810353	3810353~FDA	are-bla_ratio	Activator	cca	hill
3810353	3810353~FDA	are-bla_via	Repressor	cca	hill.inv
3810808	3810808~FDA	are-bla_ch1	Repressor	cca	hill.inv
3810808	3810808~FDA	are-bla_ch2	Activator	cca	hill
3810808	3810808~FDA	are-bla_ratio	Activator	cca	hill
3810808	3810808~FDA	are-bla_via	Inactive	cca	cnst
3810808	3810808~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
3810808	3810808~FDA	p53-bla_ch2	Activator	EOC	gnls
3810808	3810808~FDA	p53-bla_ratio	Activator	EOC	hill
3810808	3810808~FDA	p53-bla_via	Repressor	EOC	hill.inv
3811732	3811732~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
3811732	3811732~EPA	ap1-agonist_ch2	Activator	cca	gnls
3811732	3811732~EPA	ap1-agonist_ratio	Activator	cca	gnls
3811732	3811732~EPA	ap1-agonist_via	Repressor	cca	hill.inv
3811732	3811732~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
3811732	3811732~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
3811732	3811732~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
3811732	3811732~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3811732	3811732~EPA	hse-bla_ch1	Repressor	cca	gnls.inv
3811732	3811732~EPA	hse-bla_ch2	Activator	cca	gnls
3811732	3811732~EPA	hse-bla_ratio	Activator	cca	hill
3811732	3811732~EPA	hse-bla_via	Repressor	cca	hill.inv
3811732	3811732~EPA	p53-bla_ch1	Inactive	rfn	cnst
3811732	3811732~EPA	p53-bla_ch2	Activator	rfn	hill
3811732	3811732~EPA	p53-bla_ratio	Inactive	rfn	cnst
3811732	3811732~EPA	p53-bla_via	Inactive	rfn	cnst
38194502	38194502~EPA	are-bla_ch1	Repressor	cca	hill.inv
38194502	38194502~EPA	are-bla_ch2	Activator	cca	hill
38194502	38194502~EPA	are-bla_ratio	Activator	cca	hill
38194502	38194502~EPA	are-bla_via	Inactive	cca	cnst
382150507	382150507~NTP	are-bla_ch1	Repressor	cca	hill.inv
382150507	382150507~NTP	are-bla_ch2	Activator	cca	hill
382150507	382150507~NTP	are-bla_ratio	Activator	cca	gnls
382150507	382150507~NTP	are-bla_via	Inactive	cca	cnst
3825261	3825261~EPA	are-bla_ch1	Inactive	cca	cnst
3825261	3825261~EPA	are-bla_ch2	Activator	cca	hill
3825261	3825261~EPA	are-bla_ratio	Activator	cca	hill
3825261	3825261~EPA	are-bla_via	Inactive	cca	cnst
382672	382672~FDA	are-bla_ch1	Inactive	cca	cnst
382672	382672~FDA	are-bla_ch2	Activator	cca	hill
382672	382672~FDA	are-bla_ratio	Activator	cca	hill
382672	382672~FDA	are-bla_via	Inactive	cca	cnst
3836235	3836235~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
3836235	3836235~FDA	p53-bla_ch2	Inactive	rfp	cnst
3836235	3836235~FDA	p53-bla_ratio	Activator	rfp	hill
3836235	3836235~FDA	p53-bla_via	Repressor	rfp	hill.inv
38398322	38398322~FDA	are-bla_ch1	Inactive	cca	cnst
38398322	38398322~FDA	are-bla_ch2	Activator	cca	hill
38398322	38398322~FDA	are-bla_ratio	Activator	cca	hill
38398322	38398322~FDA	are-bla_via	Inactive	cca	cnst
38609971	38609971~FDA	ap1-agonist_ch1	Inactive	EUC	cnst
38609971	38609971~FDA	ap1-agonist_ch2	Activator	EUC	hill
38609971	38609971~FDA	ap1-agonist_ratio	Activator	EUC	hill
38609971	38609971~FDA	ap1-agonist_via	Inactive	EUC	cnst
38609971	38609971~FDA	are-bla_ch1	Activator	EUC	hill
38609971	38609971~FDA	are-bla_ch2	Activator	EUC	hill
38609971	38609971~FDA	are-bla_ratio	Activator	EUC	hill
38609971	38609971~FDA	are-bla_via	Inactive	EUC	cnst
38609971	38609971~FDA	esre-bla_ch1	Activator	EUC	hill
38609971	38609971~FDA	esre-bla_ch2	Activator	EUC	hill
38609971	38609971~FDA	esre-bla_ratio	Activator	EUC	hill
38609971	38609971~FDA	esre-bla_via	Inactive	EUC	cnst
38609971	38609971~FDA	hre-bla-agonist_ch1	Activator	EUC	hill
38609971	38609971~FDA	hre-bla-agonist_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
38609971	38609971~FDA	hre-bla-agonist_ratio	Activator	EUC	hill
38609971	38609971~FDA	hre-bla-agonist_via	Inactive	EUC	cnst
38609971	38609971~FDA	hse-bla_ch1	Activator	EUC	hill
38609971	38609971~FDA	hse-bla_ch2	Activator	EUC	hill
38609971	38609971~FDA	hse-bla_ratio	Activator	EUC	hill
38609971	38609971~FDA	hse-bla_via	Inactive	EUC	cnst
38609971	38609971~FDA	nfkb-bla-agonist_ch1	Activator	EUC	hill
38609971	38609971~FDA	nfkb-bla-agonist_ch2	Activator	EUC	hill
38609971	38609971~FDA	nfkb-bla-agonist_ratio	Activator	EUC	hill
38609971	38609971~FDA	nfkb-bla-agonist_via	Inactive	EUC	cnst
38609971	38609971~FDA	p53-bla_ch1	Activator	EUC	hill
38609971	38609971~FDA	p53-bla_ch2	Activator	EUC	hill
38609971	38609971~FDA	p53-bla_ratio	Activator	EUC	hill
38609971	38609971~FDA	p53-bla_via	Inactive	EUC	cnst
386174	386174~FDA	p53-bla_ch1	Repressor	rfp	gnls.inv
386174	386174~FDA	p53-bla_ch2	Inactive	rfp	cnst
386174	386174~FDA	p53-bla_ratio	Activator	rfp	gnls
386174	386174~FDA	p53-bla_via	Repressor	rfp	gnls.inv
38713563	38713563~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
38713563	38713563~NTP	ap1-agonist_ratio	Activator	rfp	hill
38713563	38713563~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
38713563	38713563~NTP	are-bla_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	are-bla_ch2	Inactive	rfp	hill.inv
38713563	38713563~NTP	are-bla_ratio	Activator	rfp	gnls
38713563	38713563~NTP	are-bla_via	Repressor	rfp	hill.inv
38713563	38713563~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	esre-bla_ch2	Inactive	rfp	cnst
38713563	38713563~NTP	esre-bla_ratio	Activator	rfp	hill
38713563	38713563~NTP	esre-bla_via	Repressor	rfp	hill.inv
38713563	38713563~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
38713563	38713563~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
38713563	38713563~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
38713563	38713563~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	hse-bla_ch2	Inactive	rfp	cnst
38713563	38713563~NTP	hse-bla_ratio	Activator	rfp	hill
38713563	38713563~NTP	hse-bla_via	Repressor	rfp	hill.inv
38713563	38713563~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
38713563	38713563~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
38713563	38713563~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
38713563	38713563~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
38713563	38713563~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
38713563	38713563~NTP	p53-bla_ratio	Activator	rfp	hill
38713563	38713563~NTP	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
3871996	3871996~EPA	are-bla_ch1	Inactive	rfn	cnst
3871996	3871996~EPA	are-bla_ch2	Activator	rfn	hill
3871996	3871996~EPA	are-bla_ratio	Inactive	rfn	cnst
3871996	3871996~EPA	are-bla_via	Inactive	rfn	cnst
387867132	387867132~FDA	are-bla_ch1	Inactive	EUC	cnst
387867132	387867132~FDA	are-bla_ch2	Activator	EUC	hill
387867132	387867132~FDA	are-bla_ratio	Activator	EUC	hill
387867132	387867132~FDA	are-bla_via	Inactive	EUC	cnst
387867132	387867132~FDA	p53-bla_ch1	Inactive	cca	cnst
387867132	387867132~FDA	p53-bla_ch2	Activator	cca	hill
387867132	387867132~FDA	p53-bla_ratio	Activator	cca	hill
387867132	387867132~FDA	p53-bla_via	Inactive	cca	cnst
39025235	39025235~NTP	are-bla_ch1	Repressor	EUC/POC	gnls.inv
39025235	39025235~NTP	are-bla_ch2	Activator	EUC/POC	hill
39025235	39025235~NTP	are-bla_ratio	Activator	EUC/POC	hill
39025235	39025235~NTP	are-bla_via	Inactive	EUC/POC	cnst
39025246	39025246~NTP	are-bla_ch1	Complex	EUC	gnls.inv
39025246	39025246~NTP	are-bla_ch2	Activator	EUC	hill
39025246	39025246~NTP	are-bla_ratio	Activator	EUC	gnls
39025246	39025246~NTP	are-bla_via	Inactive	EUC	cnst
39025246	39025246~NTP	hse-bla_ch1	Inactive	EUC	cnst
39025246	39025246~NTP	hse-bla_ch2	Activator	EUC	hill
39025246	39025246~NTP	hse-bla_ratio	Activator	EUC	hill
39025246	39025246~NTP	hse-bla_via	Inactive	EUC	cnst
39025246	39025246~NTP	p53-bla_ch1	Repressor	cca	hill.inv
39025246	39025246~NTP	p53-bla_ch2	Activator	cca	hill
39025246	39025246~NTP	p53-bla_ratio	Activator	cca	hill
39025246	39025246~NTP	p53-bla_via	Inactive	cca	cnst
39156417	39156417~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
39156417	39156417~NTP	ap1-agonist_ch2	Activator	cca	gnls
39156417	39156417~NTP	ap1-agonist_ratio	Activator	cca	gnls
39156417	39156417~NTP	ap1-agonist_via	Complex	cca	gnls
39156417	39156417~NTP	are-bla_ch1	Repressor	cca	hill.inv
39156417	39156417~NTP	are-bla_ch2	Activator	cca	gnls
39156417	39156417~NTP	are-bla_ratio	Activator	cca	gnls
39156417	39156417~NTP	are-bla_via	Repressor	cca	hill.inv
39156417	39156417~NTP	hse-bla_ch1	Repressor	cca	hill.inv
39156417	39156417~NTP	hse-bla_ch2	Activator	cca	gnls
39156417	39156417~NTP	hse-bla_ratio	Activator	cca	gnls
39156417	39156417~NTP	hse-bla_via	Repressor	cca	hill.inv
39156417	39156417~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
39156417	39156417~NTP	p53-bla_ch2	Activator	EOC/PUC	hill
39156417	39156417~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
39156417	39156417~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
392121	392121~EPA	are-bla_ch1	Repressor	EUC	hill.inv
392121	392121~EPA	are-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
392121	392121~EPA	are-bla_ratio	Activator	EUC	hill
392121	392121~EPA	are-bla_via	Inactive	EUC	cnst
39300453	39300453~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
39300453	39300453~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
39300453	39300453~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
39300453	39300453~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
39300453	39300453~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
39300453	39300453~EPA	hse-bla_ch2	Inactive	rfp	hill.inv
39300453	39300453~EPA	hse-bla_ratio	Activator	rfp	hill
39300453	39300453~EPA	hse-bla_via	Repressor	rfp	hill.inv
39300453	39300453~EPA	p53-bla_ch1	Repressor	POC	hill.inv
39300453	39300453~EPA	p53-bla_ch2	Activator	POC	gnls
39300453	39300453~EPA	p53-bla_ratio	Activator	POC	hill
39300453	39300453~EPA	p53-bla_via	Repressor	POC	hill.inv
3934201	3934201~NTP	are-bla_ch1	Inactive	PUC	cnst
3934201	3934201~NTP	are-bla_ch2	Activator	PUC	hill
3934201	3934201~NTP	are-bla_ratio	Activator	PUC	hill
3934201	3934201~NTP	are-bla_via	Inactive	PUC	cnst
393759	393759~NTP	are-bla_ch1	Inactive	cca	cnst
393759	393759~NTP	are-bla_ch2	Activator	cca	hill
393759	393759~NTP	are-bla_ratio	Activator	cca	hill
393759	393759~NTP	are-bla_via	Inactive	cca	cnst
396010	396010~EPA	ap1-agonist_ch1	Inactive	EUC	cnst
396010	396010~EPA	ap1-agonist_ch2	Activator	EUC	hill
396010	396010~EPA	ap1-agonist_ratio	Activator	EUC	hill
396010	396010~EPA	ap1-agonist_via	Inactive	EUC	cnst
396010	396010~EPA	are-bla_ch1	Inactive	EUC	cnst
396010	396010~EPA	are-bla_ch2	Activator	EUC	hill
396010	396010~EPA	are-bla_ratio	Activator	EUC	hill
396010	396010~EPA	are-bla_via	Inactive	EUC	cnst
396010	396010~EPA	esre-bla_ch1	Activator	EUC	hill
396010	396010~EPA	esre-bla_ch2	Activator	EUC	hill
396010	396010~EPA	esre-bla_ratio	Activator	EUC	hill
396010	396010~EPA	esre-bla_via	Inactive	EUC	cnst
396010	396010~EPA	hre-bla-agonist_ch1	Inactive	EUC	cnst
396010	396010~EPA	hre-bla-agonist_ch2	Activator	EUC	hill
396010	396010~EPA	hre-bla-agonist_ratio	Activator	EUC	hill
396010	396010~EPA	hre-bla-agonist_via	Inactive	EUC	cnst
396010	396010~EPA	hse-bla_ch1	Inactive	EUC	cnst
396010	396010~EPA	hse-bla_ch2	Activator	EUC	hill
396010	396010~EPA	hse-bla_ratio	Activator	EUC	hill
396010	396010~EPA	hse-bla_via	Inactive	EUC	cnst
396010	396010~EPA	nfkb-bla-agonist_ch1	Inactive	EUC	cnst
396010	396010~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
396010	396010~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
396010	396010~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
396010	396010~EPA	p53-bla_ch1	Inactive	EUC	cnst
396010	396010~EPA	p53-bla_ch2	Activator	EUC	hill
396010	396010~EPA	p53-bla_ratio	Activator	EUC	hill
396010	396010~EPA	p53-bla_via	Inactive	EUC	cnst
396010	396010~FDA	ap1-agonist_ch1	Inactive	rfn	cnst
396010	396010~FDA	ap1-agonist_ch2	Activator	rfn	hill
396010	396010~FDA	ap1-agonist_ratio	Inactive	rfn	cnst
396010	396010~FDA	ap1-agonist_via	Inactive	rfn	cnst
396010	396010~FDA	are-bla_ch1	Inactive	EUC	cnst
396010	396010~FDA	are-bla_ch2	Activator	EUC	hill
396010	396010~FDA	are-bla_ratio	Activator	EUC	hill
396010	396010~FDA	are-bla_via	Repressor	EUC	hill.inv
396010	396010~FDA	esre-bla_ch1	Inactive	EUC	cnst
396010	396010~FDA	esre-bla_ch2	Activator	EUC	hill
396010	396010~FDA	esre-bla_ratio	Activator	EUC	hill
396010	396010~FDA	esre-bla_via	Inactive	EUC	cnst
396010	396010~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
396010	396010~FDA	hre-bla-agonist_ch2	Activator	cca	hill
396010	396010~FDA	hre-bla-agonist_ratio	Activator	cca	hill
396010	396010~FDA	hre-bla-agonist_via	Inactive	cca	cnst
396010	396010~FDA	hse-bla_ch1	Inactive	EUC	cnst
396010	396010~FDA	hse-bla_ch2	Activator	EUC	hill
396010	396010~FDA	hse-bla_ratio	Activator	EUC	hill
396010	396010~FDA	hse-bla_via	Inactive	EUC	cnst
396010	396010~FDA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
396010	396010~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
396010	396010~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
396010	396010~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
396010	396010~FDA	p53-bla_ch1	Inactive	cca	cnst
396010	396010~FDA	p53-bla_ch2	Activator	cca	hill
396010	396010~FDA	p53-bla_ratio	Activator	cca	hill
396010	396010~FDA	p53-bla_via	Inactive	cca	cnst
396010	396010~NTP	ap1-agonist_ch1	Inactive	EUC	cnst
396010	396010~NTP	ap1-agonist_ch2	Activator	EUC	hill
396010	396010~NTP	ap1-agonist_ratio	Activator	EUC	hill
396010	396010~NTP	ap1-agonist_via	Inactive	EUC	cnst
396010	396010~NTP	are-bla_ch1	Inactive	EUC	cnst
396010	396010~NTP	are-bla_ch2	Activator	EUC	hill
396010	396010~NTP	are-bla_ratio	Activator	EUC	hill
396010	396010~NTP	are-bla_via	Inactive	EUC	cnst
396010	396010~NTP	esre-bla_ch1	Activator	EUC	hill
396010	396010~NTP	esre-bla_ch2	Activator	EUC	hill
396010	396010~NTP	esre-bla_ratio	Activator	EUC	hill
396010	396010~NTP	esre-bla_via	Inactive	EUC	cnst
396010	396010~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
396010	396010~NTP	hre-bla-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
396010	396010~NTP	hre-bla-agonist_ratio	Activator	cca	hill
396010	396010~NTP	hre-bla-agonist_via	Repressor	cca	hill.inv
396010	396010~NTP	hse-bla_ch1	Inactive	EUC	cnst
396010	396010~NTP	hse-bla_ch2	Activator	EUC	hill
396010	396010~NTP	hse-bla_ratio	Activator	EUC	hill
396010	396010~NTP	hse-bla_via	Inactive	EUC	cnst
396010	396010~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
396010	396010~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
396010	396010~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
396010	396010~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
396010	396010~NTP	p53-bla_ch1	Inactive	cca	cnst
396010	396010~NTP	p53-bla_ch2	Activator	cca	hill
396010	396010~NTP	p53-bla_ratio	Activator	cca	hill
396010	396010~NTP	p53-bla_via	Inactive	cca	cnst
39905572	39905572~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
39905572	39905572~EPA	ap1-agonist_ch2	Activator	cca	hill
39905572	39905572~EPA	ap1-agonist_ratio	Activator	cca	hill
39905572	39905572~EPA	ap1-agonist_via	Inactive	cca	cnst
4008484	4008484~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4008484	4008484~FDA	ap1-agonist_ch2	Activator	cca	gnls.inv
4008484	4008484~FDA	ap1-agonist_ratio	Activator	cca	gnls.inv
4008484	4008484~FDA	ap1-agonist_via	Activator	cca	hill
4008484	4008484~FDA	hse-bla_ch1	Inactive	cca	cnst
4008484	4008484~FDA	hse-bla_ch2	Activator	cca	gnls
4008484	4008484~FDA	hse-bla_ratio	Activator	cca	gnls
4008484	4008484~FDA	hse-bla_via	Inactive	cca	cnst
401788996	401788996~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
401788996	401788996~NTP	ap1-agonist_ch2	Activator	cca	hill
401788996	401788996~NTP	ap1-agonist_ratio	Activator	cca	hill
401788996	401788996~NTP	ap1-agonist_via	Inactive	cca	cnst
401788996	401788996~NTP	are-bla_ch1	Repressor	cca	gnls.inv
401788996	401788996~NTP	are-bla_ch2	Activator	cca	hill
401788996	401788996~NTP	are-bla_ratio	Activator	cca	gnls
401788996	401788996~NTP	are-bla_via	Activator	cca	gnls
401788996	401788996~NTP	esre-bla_ch1	Inactive	cca	cnst
401788996	401788996~NTP	esre-bla_ch2	Activator	cca	gnls
401788996	401788996~NTP	esre-bla_ratio	Activator	cca	hill
401788996	401788996~NTP	esre-bla_via	Inactive	cca	cnst
40220084	40220084~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
40220084	40220084~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
40220084	40220084~EPA	ap1-agonist_ratio	Activator	rfp	gnls
40220084	40220084~EPA	ap1-agonist_via	Inactive	rfp	cnst
40220084	40220084~EPA	are-bla_ch1	Repressor	cca	hill.inv
40220084	40220084~EPA	are-bla_ch2	Activator	cca	gnls
40220084	40220084~EPA	are-bla_ratio	Activator	cca	gnls
40220084	40220084~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
40220084	40220084~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
40220084	40220084~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
40220084	40220084~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
40220084	40220084~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
40220084	40220084~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
40220084	40220084~EPA	hse-bla_ch2	Inactive	rfp	cnst
40220084	40220084~EPA	hse-bla_ratio	Activator	rfp	hill
40220084	40220084~EPA	hse-bla_via	Repressor	rfp	hill.inv
40220084	40220084~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
40220084	40220084~EPA	p53-bla_ch2	Inactive	rfp	cnst
40220084	40220084~EPA	p53-bla_ratio	Activator	rfp	hill
40220084	40220084~EPA	p53-bla_via	Repressor	rfp	hill.inv
402846780	402846780~NTP	are-bla_ch1	Inactive	cca	cnst
402846780	402846780~NTP	are-bla_ch2	Activator	cca	hill
402846780	402846780~NTP	are-bla_ratio	Activator	cca	hill
402846780	402846780~NTP	are-bla_via	Inactive	cca	cnst
403842842	403842842~NTP	are-bla_ch1	Repressor	EUC	gnls.inv
403842842	403842842~NTP	are-bla_ch2	Activator	EUC	gnls
403842842	403842842~NTP	are-bla_ratio	Activator	EUC	gnls
403842842	403842842~NTP	are-bla_via	Inactive	EUC	cnst
404001485	404001485~NTP	are-bla_ch1	Repressor	cca	hill.inv
404001485	404001485~NTP	are-bla_ch2	Activator	cca	gnls
404001485	404001485~NTP	are-bla_ratio	Activator	cca	gnls
404001485	404001485~NTP	are-bla_via	Repressor	cca	hill.inv
404001485	404001485~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
404001485	404001485~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
404001485	404001485~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
404001485	404001485~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
404001485	404001485~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
404001485	404001485~NTP	hse-bla_ch2	Inactive	rfp	cnst
404001485	404001485~NTP	hse-bla_ratio	Activator	rfp	hill
404001485	404001485~NTP	hse-bla_via	Repressor	rfp	hill.inv
404001485	404001485~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
404001485	404001485~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
404001485	404001485~NTP	p53-bla_ratio	Activator	rfp	hill
404001485	404001485~NTP	p53-bla_via	Repressor	rfp	hill.inv
404001496	404001496~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
404001496	404001496~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
404001496	404001496~NTP	ap1-agonist_ratio	Activator	rfp	hill
404001496	404001496~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
404001496	404001496~NTP	are-bla_ch1	Repressor	cca	hill.inv
404001496	404001496~NTP	are-bla_ch2	Activator	cca	gnls
404001496	404001496~NTP	are-bla_ratio	Activator	cca	gnls
404001496	404001496~NTP	are-bla_via	Repressor	cca	hill.inv
404001496	404001496~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
404001496	404001496~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
404001496	404001496~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
404001496	404001496~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
404001496	404001496~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
404001496	404001496~NTP	hse-bla_ch2	Inactive	rfp	cnst
404001496	404001496~NTP	hse-bla_ratio	Activator	rfp	hill
404001496	404001496~NTP	hse-bla_via	Repressor	rfp	hill.inv
404001496	404001496~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
404001496	404001496~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
404001496	404001496~NTP	p53-bla_ratio	Activator	rfp	hill
404001496	404001496~NTP	p53-bla_via	Repressor	rfp	hill.inv
404001509	404001509~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
404001509	404001509~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
404001509	404001509~NTP	ap1-agonist_ratio	Activator	rfp	hill
404001509	404001509~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
404001509	404001509~NTP	are-bla_ch1	Repressor	cca	hill.inv
404001509	404001509~NTP	are-bla_ch2	Activator	cca	gnls
404001509	404001509~NTP	are-bla_ratio	Activator	cca	gnls
404001509	404001509~NTP	are-bla_via	Repressor	cca	hill.inv
404001509	404001509~NTP	esre-bla_ch1	Complex	rfp	gnls
404001509	404001509~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
404001509	404001509~NTP	esre-bla_ratio	Activator	rfp	hill
404001509	404001509~NTP	esre-bla_via	Repressor	rfp	hill.inv
404001509	404001509~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
404001509	404001509~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
404001509	404001509~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
404001509	404001509~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
404001509	404001509~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
404001509	404001509~NTP	hse-bla_ch2	Inactive	rfp	cnst
404001509	404001509~NTP	hse-bla_ratio	Activator	rfp	hill
404001509	404001509~NTP	hse-bla_via	Repressor	rfp	hill.inv
404001509	404001509~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
404001509	404001509~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
404001509	404001509~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
404001509	404001509~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
404001509	404001509~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
404001509	404001509~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
404001509	404001509~NTP	p53-bla_ratio	Activator	rfp	hill
404001509	404001509~NTP	p53-bla_via	Repressor	rfp	hill.inv
404001521	404001521~NTP	are-bla_ch1	Repressor	cca	hill.inv
404001521	404001521~NTP	are-bla_ch2	Activator	cca	gnls
404001521	404001521~NTP	are-bla_ratio	Activator	cca	gnls
404001521	404001521~NTP	are-bla_via	Repressor	cca	hill.inv
404001521	404001521~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
404001521	404001521~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
404001521	404001521~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
404001521	404001521~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
404001521	404001521~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
404001521	404001521~NTP	hse-bla_ch2	Inactive	rfp	cnst
404001521	404001521~NTP	hse-bla_ratio	Activator	rfp	hill
404001521	404001521~NTP	hse-bla_via	Repressor	rfp	hill.inv
404001521	404001521~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
404001521	404001521~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
404001521	404001521~NTP	p53-bla_ratio	Activator	rfp	hill
404001521	404001521~NTP	p53-bla_via	Repressor	rfp	hill.inv
404864	404864~NTP	are-bla_ch1	Inactive	cca	cnst
404864	404864~NTP	are-bla_ch2	Activator	cca	hill
404864	404864~NTP	are-bla_ratio	Activator	cca	hill
404864	404864~NTP	are-bla_via	Inactive	cca	cnst
40487421	40487421~EPA	ap1-agonist_ch1	Inactive	cca	cnst
40487421	40487421~EPA	ap1-agonist_ch2	Activator	cca	hill
40487421	40487421~EPA	ap1-agonist_ratio	Activator	cca	hill
40487421	40487421~EPA	ap1-agonist_via	Inactive	cca	cnst
40487421	40487421~NTP	ap1-agonist_ch1	Inactive	cca	cnst
40487421	40487421~NTP	ap1-agonist_ch2	Activator	cca	hill
40487421	40487421~NTP	ap1-agonist_ratio	Activator	cca	hill
40487421	40487421~NTP	ap1-agonist_via	Inactive	cca	cnst
40487421	40487421~NTP	are-bla_ch1	Inactive	cca	cnst
40487421	40487421~NTP	are-bla_ch2	Activator	cca	hill
40487421	40487421~NTP	are-bla_ratio	Activator	cca	hill
40487421	40487421~NTP	are-bla_via	Inactive	cca	cnst
40596698	40596698~NTP	are-bla_ch1	Inactive	EUC	cnst
40596698	40596698~NTP	are-bla_ch2	Activator	EUC	hill
40596698	40596698~NTP	are-bla_ratio	Activator	EUC	hill
40596698	40596698~NTP	are-bla_via	Inactive	EUC	cnst
40601761	40601761~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
40601761	40601761~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
40601761	40601761~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
40601761	40601761~NTP	hre-bla-agonist_via	Complex	rfp	gnls.inv
40601761	40601761~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
40601761	40601761~NTP	p53-bla_ch2	Inactive	rfp	cnst
40601761	40601761~NTP	p53-bla_ratio	Activator	rfp	hill
40601761	40601761~NTP	p53-bla_via	Inactive	rfp	cnst
4074888	4074888~NTP	are-bla_ch1	Repressor	cca	hill.inv
4074888	4074888~NTP	are-bla_ch2	Activator	cca	hill
4074888	4074888~NTP	are-bla_ratio	Activator	cca	hill
4074888	4074888~NTP	are-bla_via	Inactive	cca	cnst
4074888	4074888~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4074888	4074888~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
4074888	4074888~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
4074888	4074888~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
412009622	412009622~NTP	are-bla_ch1	Repressor	cca	gnls.inv
412009622	412009622~NTP	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
412009622	412009622~NTP	are-bla_ratio	Activator	cca	gnls
412009622	412009622~NTP	are-bla_via	Inactive	cca	cnst
412009622	412009622~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
412009622	412009622~NTP	p53-bla_ch2	Inactive	rfp	cnst
412009622	412009622~NTP	p53-bla_ratio	Activator	rfp	hill
412009622	412009622~NTP	p53-bla_via	Inactive	rfp	cnst
4128170	4128170~EPA	are-bla_ch1	Inactive	cca	cnst
4128170	4128170~EPA	are-bla_ch2	Activator	cca	hill
4128170	4128170~EPA	are-bla_ratio	Activator	cca	hill
4128170	4128170~EPA	are-bla_via	Inactive	cca	cnst
41294568	41294568~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
41294568	41294568~FDA	p53-bla_ch2	Inactive	rfp	cnst
41294568	41294568~FDA	p53-bla_ratio	Activator	rfp	hill
41294568	41294568~FDA	p53-bla_via	Repressor	rfp	hill.inv
4130089	4130089~EPA	ap1-agonist_ch1	Inactive	cca	cnst
4130089	4130089~EPA	ap1-agonist_ch2	Activator	cca	hill
4130089	4130089~EPA	ap1-agonist_ratio	Activator	cca	hill
4130089	4130089~EPA	ap1-agonist_via	Inactive	cca	cnst
4130089	4130089~EPA	hse-bla_ch1	Inactive	cca	cnst
4130089	4130089~EPA	hse-bla_ch2	Activator	cca	hill
4130089	4130089~EPA	hse-bla_ratio	Activator	cca	hill
4130089	4130089~EPA	hse-bla_via	Inactive	cca	cnst
4130421	4130421~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
4130421	4130421~EPA	ap1-agonist_ch2	Activator	cca	hill
4130421	4130421~EPA	ap1-agonist_ratio	Activator	cca	hill
4130421	4130421~EPA	ap1-agonist_via	Inactive	cca	cnst
41340254	41340254~NTP	are-bla_ch1	Inactive	cca	cnst
41340254	41340254~NTP	are-bla_ch2	Activator	cca	hill
41340254	41340254~NTP	are-bla_ratio	Activator	cca	hill
41340254	41340254~NTP	are-bla_via	Inactive	cca	cnst
41372207	41372207~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
41372207	41372207~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
41372207	41372207~EPA	ap1-agonist_ratio	Activator	rfp	hill
41372207	41372207~EPA	ap1-agonist_via	Inactive	rfp	cnst
41372207	41372207~EPA	are-bla_ch1	Repressor	cca	hill.inv
41372207	41372207~EPA	are-bla_ch2	Activator	cca	gnls
41372207	41372207~EPA	are-bla_ratio	Activator	cca	gnls
41372207	41372207~EPA	are-bla_via	Repressor	cca	hill.inv
41372207	41372207~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
41372207	41372207~NTP	ap1-agonist_ch2	Activator	cca	gnls
41372207	41372207~NTP	ap1-agonist_ratio	Activator	cca	hill
41372207	41372207~NTP	ap1-agonist_via	Repressor	cca	hill.inv
41372207	41372207~NTP	are-bla_ch1	Repressor	cca	gnls.inv
41372207	41372207~NTP	are-bla_ch2	Activator	cca	gnls
41372207	41372207~NTP	are-bla_ratio	Activator	cca	gnls
41372207	41372207~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
41372207	41372207~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
41372207	41372207~NTP	esre-bla_ch2	Inactive	rfp	cnst
41372207	41372207~NTP	esre-bla_ratio	Activator	rfp	hill
41372207	41372207~NTP	esre-bla_via	Inactive	rfp	cnst
41372207	41372207~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
41372207	41372207~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
41372207	41372207~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
41372207	41372207~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
41372207	41372207~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
41372207	41372207~NTP	hse-bla_ch2	Inactive	rfp	cnst
41372207	41372207~NTP	hse-bla_ratio	Activator	rfp	hill
41372207	41372207~NTP	hse-bla_via	Inactive	rfp	cnst
41372207	41372207~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
41372207	41372207~NTP	p53-bla_ch2	Inactive	rfp	cnst
41372207	41372207~NTP	p53-bla_ratio	Activator	rfp	hill
41372207	41372207~NTP	p53-bla_via	Inactive	rfp	cnst
41481667	41481667~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
41481667	41481667~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
41481667	41481667~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
41481667	41481667~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
41483436	41483436~EPA	are-bla_ch1	Inactive	cca	cnst
41483436	41483436~EPA	are-bla_ch2	Activator	cca	hill
41483436	41483436~EPA	are-bla_ratio	Activator	cca	hill
41483436	41483436~EPA	are-bla_via	Inactive	cca	cnst
4151502	4151502~EPA	are-bla_ch1	Inactive	cca	cnst
4151502	4151502~EPA	are-bla_ch2	Activator	cca	gnls
4151502	4151502~EPA	are-bla_ratio	Activator	cca	gnls
4151502	4151502~EPA	are-bla_via	Repressor	cca	hill.inv
41532847	41532847~EPA	ap1-agonist_ch1	Inactive	cca	cnst
41532847	41532847~EPA	ap1-agonist_ch2	Activator	cca	hill
41532847	41532847~EPA	ap1-agonist_ratio	Activator	cca	hill
41532847	41532847~EPA	ap1-agonist_via	Inactive	cca	cnst
41532847	41532847~EPA	hse-bla_ch1	Inactive	cca	cnst
41532847	41532847~EPA	hse-bla_ch2	Activator	cca	hill
41532847	41532847~EPA	hse-bla_ratio	Activator	cca	hill
41532847	41532847~EPA	hse-bla_via	Inactive	cca	cnst
41575944	41575944~FDA	are-bla_ch1	Inactive	cca	cnst
41575944	41575944~FDA	are-bla_ch2	Activator	cca	hill
41575944	41575944~FDA	are-bla_ratio	Activator	cca	hill
41575944	41575944~FDA	are-bla_via	Inactive	cca	cnst
41621492	41621492~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
41621492	41621492~FDA	ap1-agonist_ch2	Activator	cca	gnls
41621492	41621492~FDA	ap1-agonist_ratio	Activator	cca	gnls
41621492	41621492~FDA	ap1-agonist_via	Inactive	cca	cnst
41621492	41621492~FDA	hse-bla_ch1	Inactive	cca	cnst
41621492	41621492~FDA	hse-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
41621492	41621492~FDA	hse-bla_ratio	Activator	cca	hill
41621492	41621492~FDA	hse-bla_via	Repressor	cca	hill.inv
41621492	41621492~FDA	p53-bla_ch1	Repressor	cca	hill.inv
41621492	41621492~FDA	p53-bla_ch2	Activator	cca	hill
41621492	41621492~FDA	p53-bla_ratio	Activator	cca	hill
41621492	41621492~FDA	p53-bla_via	Inactive	cca	cnst
4162452	4162452~EPA	ap1-agonist_ch1	Repressor	rfn	hill.inv
4162452	4162452~EPA	ap1-agonist_ch2	Activator	rfn	gnls
4162452	4162452~EPA	ap1-agonist_ratio	Inactive	rfn	cnst
4162452	4162452~EPA	ap1-agonist_via	Inactive	rfn	cnst
4162452	4162452~EPA	are-bla_ch1	Repressor	rfn	hill.inv
4162452	4162452~EPA	are-bla_ch2	Activator	rfn	gnls
4162452	4162452~EPA	are-bla_ratio	Inactive	rfn	cnst
4162452	4162452~EPA	are-bla_via	Repressor	rfn	hill.inv
4162452	4162452~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4162452	4162452~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
4162452	4162452~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
4162452	4162452~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
4162452	4162452~EPA	hse-bla_ch1	Repressor	cca	hill.inv
4162452	4162452~EPA	hse-bla_ch2	Activator	cca	hill
4162452	4162452~EPA	hse-bla_ratio	Activator	cca	hill
4162452	4162452~EPA	hse-bla_via	Repressor	cca	hill.inv
4162452	4162452~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
4162452	4162452~EPA	p53-bla_ch2	Activator	EOC	gnls
4162452	4162452~EPA	p53-bla_ratio	Activator	EOC	hill
4162452	4162452~EPA	p53-bla_via	Repressor	EOC	hill.inv
41814782	41814782~EPA	are-bla_ch1	Repressor	EUC	hill.inv
41814782	41814782~EPA	are-bla_ch2	Activator	EUC	gnls
41814782	41814782~EPA	are-bla_ratio	Activator	EUC	hill
41814782	41814782~EPA	are-bla_via	Inactive	EUC	cnst
41826920	41826920~FDA	are-bla_ch1	Inactive	cca	cnst
41826920	41826920~FDA	are-bla_ch2	Activator	cca	hill
41826920	41826920~FDA	are-bla_ratio	Activator	cca	hill
41826920	41826920~FDA	are-bla_via	Inactive	cca	cnst
4196865	4196865~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
4196865	4196865~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
4196865	4196865~NTP	esre-bla_ratio	Activator	rfp	hill
4196865	4196865~NTP	esre-bla_via	Inactive	rfp	cnst
4196865	4196865~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4196865	4196865~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
4196865	4196865~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
4196865	4196865~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
4196865	4196865~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
4196865	4196865~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
4196865	4196865~NTP	hse-bla_ratio	Activator	rfp	hill
4196865	4196865~NTP	hse-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
4196865	4196865~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
4196865	4196865~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
4196865	4196865~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
4196865	4196865~NTP	nfkb-bla-agonist_via	Inactive	rfp	cnst
4196865	4196865~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
4196865	4196865~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
4196865	4196865~NTP	p53-bla_ratio	Activator	rfp	hill
4196865	4196865~NTP	p53-bla_via	Inactive	rfp	cnst
42019783	42019783~NTP	are-bla_ch1	Inactive	cca	cnst
42019783	42019783~NTP	are-bla_ch2	Activator	cca	hill
42019783	42019783~NTP	are-bla_ratio	Activator	cca	hill
42019783	42019783~NTP	are-bla_via	Inactive	cca	cnst
4221685	4221685~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4221685	4221685~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
4221685	4221685~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
4221685	4221685~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
4221981	4221981~EPA	are-bla_ch1	Inactive	cca	cnst
4221981	4221981~EPA	are-bla_ch2	Activator	cca	hill
4221981	4221981~EPA	are-bla_ratio	Activator	cca	hill
4221981	4221981~EPA	are-bla_via	Inactive	cca	cnst
42228922	42228922~FDA	p53-bla_ch1	Repressor	cca	hill.inv
42228922	42228922~FDA	p53-bla_ch2	Activator	cca	gnls
42228922	42228922~FDA	p53-bla_ratio	Activator	cca	hill
42228922	42228922~FDA	p53-bla_via	Repressor	cca	hill.inv
4246519	4246519~EPA	are-bla_ch1	Repressor	cca	hill.inv
4246519	4246519~EPA	are-bla_ch2	Activator	cca	hill
4246519	4246519~EPA	are-bla_ratio	Activator	cca	hill
4246519	4246519~EPA	are-bla_via	Inactive	cca	cnst
4252782	4252782~FDA	are-bla_ch1	Inactive	cca	cnst
4252782	4252782~FDA	are-bla_ch2	Activator	cca	gnls
4252782	4252782~FDA	are-bla_ratio	Activator	cca	gnls
4252782	4252782~FDA	are-bla_via	Repressor	cca	hill.inv
4252782	4252782~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4252782	4252782~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
4252782	4252782~FDA	hre-bla-agonist_ratio	Activator	rfp	gnls
4252782	4252782~FDA	hre-bla-agonist_via	Complex	rfp	gnls
4252782	4252782~FDA	hse-bla_ch1	Repressor	cca	hill.inv
4252782	4252782~FDA	hse-bla_ch2	Activator	cca	gnls
4252782	4252782~FDA	hse-bla_ratio	Activator	cca	gnls
4252782	4252782~FDA	hse-bla_via	Repressor	cca	hill.inv
4252782	4252782~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
4252782	4252782~FDA	p53-bla_ch2	Activator	EOC	gnls
4252782	4252782~FDA	p53-bla_ratio	Activator	EOC	gnls
4252782	4252782~FDA	p53-bla_via	Repressor	EOC	hill.inv
4252782	4252782~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
4252782	4252782~NTP	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
4252782	4252782~NTP	ap1-agonist_ratio	Activator	cca	hill
4252782	4252782~NTP	ap1-agonist_via	Inactive	cca	cnst
4252782	4252782~NTP	are-bla_ch1	Inactive	cca	cnst
4252782	4252782~NTP	are-bla_ch2	Activator	cca	hill
4252782	4252782~NTP	are-bla_ratio	Activator	cca	hill
4252782	4252782~NTP	are-bla_via	Inactive	cca	cnst
42576023	42576023~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
42576023	42576023~EPA	ap1-agonist_ch2	Activator	cca	gnls
42576023	42576023~EPA	ap1-agonist_ratio	Activator	cca	hill
42576023	42576023~EPA	ap1-agonist_via	Inactive	cca	cnst
42594172	42594172~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
42594172	42594172~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
42594172	42594172~EPA	ap1-agonist_ratio	Activator	rfp	hill
42594172	42594172~EPA	ap1-agonist_via	Inactive	rfp	cnst
42594172	42594172~EPA	are-bla_ch1	Repressor	rfp	hill.inv
42594172	42594172~EPA	are-bla_ch2	Inactive	rfp	cnst
42594172	42594172~EPA	are-bla_ratio	Activator	rfp	hill
42594172	42594172~EPA	are-bla_via	Inactive	rfp	cnst
42594172	42594172~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
42594172	42594172~EPA	hse-bla_ch2	Inactive	rfp	cnst
42594172	42594172~EPA	hse-bla_ratio	Activator	rfp	hill
42594172	42594172~EPA	hse-bla_via	Inactive	rfp	cnst
42594172	42594172~EPA	p53-bla_ch1	Inactive	cca	cnst
42594172	42594172~EPA	p53-bla_ch2	Activator	cca	hill
42594172	42594172~EPA	p53-bla_ratio	Activator	cca	hill
42594172	42594172~EPA	p53-bla_via	Inactive	cca	cnst
4272746	4272746~FDA	p53-bla_ch1	Repressor	cca	hill.inv
4272746	4272746~FDA	p53-bla_ch2	Activator	cca	hill
4272746	4272746~FDA	p53-bla_ratio	Activator	cca	hill
4272746	4272746~FDA	p53-bla_via	Inactive	cca	cnst
4274388	4274388~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4274388	4274388~FDA	ap1-agonist_ch2	Activator	cca	gnls
4274388	4274388~FDA	ap1-agonist_ratio	Activator	cca	gnls
4274388	4274388~FDA	ap1-agonist_via	Inactive	cca	cnst
4274388	4274388~FDA	hse-bla_ch1	Inactive	cca	cnst
4274388	4274388~FDA	hse-bla_ch2	Activator	cca	hill
4274388	4274388~FDA	hse-bla_ratio	Activator	cca	hill
4274388	4274388~FDA	hse-bla_via	Inactive	cca	cnst
427510	427510~EPA	are-bla_ch1	Repressor	cca	hill.inv
427510	427510~EPA	are-bla_ch2	Activator	cca	hill
427510	427510~EPA	are-bla_ratio	Activator	cca	hill
427510	427510~EPA	are-bla_via	Inactive	cca	cnst
427510	427510~FDA	are-bla_ch1	Inactive	cca	cnst
427510	427510~FDA	are-bla_ch2	Activator	cca	hill
427510	427510~FDA	are-bla_ratio	Activator	cca	hill
427510	427510~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
427510	427510~NTP	are-bla_ch1	Inactive	cca	cnst
427510	427510~NTP	are-bla_ch2	Activator	cca	gnls
427510	427510~NTP	are-bla_ratio	Activator	cca	gnls
427510	427510~NTP	are-bla_via	Repressor	cca	hill.inv
42874033	42874033~NTP	are-bla_ch1	Repressor	rfp	hill.inv
42874033	42874033~NTP	are-bla_ch2	Inactive	rfp	cnst
42874033	42874033~NTP	are-bla_ratio	Activator	rfp	hill
42874033	42874033~NTP	are-bla_via	Inactive	rfp	cnst
4291638	4291638~EPA	p53-bla_ch1	Inactive	cca	cnst
4291638	4291638~EPA	p53-bla_ch2	Activator	cca	gnls
4291638	4291638~EPA	p53-bla_ratio	Activator	cca	hill
4291638	4291638~EPA	p53-bla_via	Inactive	cca	cnst
4291638	4291638~FDA	p53-bla_ch1	Repressor	cca	hill.inv
4291638	4291638~FDA	p53-bla_ch2	Activator	cca	gnls
4291638	4291638~FDA	p53-bla_ratio	Activator	cca	gnls
4291638	4291638~FDA	p53-bla_via	Inactive	cca	cnst
42971095	42971095~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
42971095	42971095~FDA	ap1-agonist_ch2	Activator	cca	hill
42971095	42971095~FDA	ap1-agonist_ratio	Activator	cca	hill
42971095	42971095~FDA	ap1-agonist_via	Inactive	cca	cnst
42978665	42978665~EPA	are-bla_ch1	Repressor	cca	hill.inv
42978665	42978665~EPA	are-bla_ch2	Activator	cca	hill
42978665	42978665~EPA	are-bla_ratio	Activator	cca	hill
42978665	42978665~EPA	are-bla_via	Inactive	cca	cnst
42978665	42978665~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
42978665	42978665~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
42978665	42978665~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
42978665	42978665~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
42978665	42978665~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
42978665	42978665~EPA	hse-bla_ch2	Inactive	rfp	cnst
42978665	42978665~EPA	hse-bla_ratio	Activator	rfp	hill
42978665	42978665~EPA	hse-bla_via	Repressor	rfp	hill.inv
42978665	42978665~EPA	p53-bla_ch1	Repressor	rfn	hill.inv
42978665	42978665~EPA	p53-bla_ch2	Activator	rfn	gnls
42978665	42978665~EPA	p53-bla_ratio	Inactive	rfn	cnst
42978665	42978665~EPA	p53-bla_via	Inactive	rfn	cnst
43210679	43210679~EPA	p53-bla_ch1	Repressor	cca	hill.inv
43210679	43210679~EPA	p53-bla_ch2	Activator	cca	gnls
43210679	43210679~EPA	p53-bla_ratio	Activator	cca	gnls
43210679	43210679~EPA	p53-bla_via	Inactive	cca	cnst
43210679	43210679~FDA	ap1-agonist_ch1	Inactive	cca	cnst
43210679	43210679~FDA	ap1-agonist_ch2	Activator	cca	gnls
43210679	43210679~FDA	ap1-agonist_ratio	Activator	cca	hill
43210679	43210679~FDA	ap1-agonist_via	Inactive	cca	cnst
43210679	43210679~FDA	p53-bla_ch1	Inactive	EUC	cnst
43210679	43210679~FDA	p53-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
43210679	43210679~FDA	p53-bla_ratio	Activator	EUC	gnls
43210679	43210679~FDA	p53-bla_via	Inactive	EUC	cnst
43222486	43222486~EPA	are-bla_ch1	Repressor	cca	hill.inv
43222486	43222486~EPA	are-bla_ch2	Activator	cca	hill
43222486	43222486~EPA	are-bla_ratio	Activator	cca	hill
43222486	43222486~EPA	are-bla_via	Inactive	cca	cnst
43222486	43222486~NTP	are-bla_ch1	Inactive	cca	cnst
43222486	43222486~NTP	are-bla_ch2	Activator	cca	gnls
43222486	43222486~NTP	are-bla_ratio	Activator	cca	gnls
43222486	43222486~NTP	are-bla_via	Inactive	cca	cnst
4330998	4330998~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4330998	4330998~FDA	ap1-agonist_ch2	Activator	cca	gnls
4330998	4330998~FDA	ap1-agonist_ratio	Activator	cca	gnls
4330998	4330998~FDA	ap1-agonist_via	Inactive	cca	cnst
433337236	433337236~NTP	are-bla_ch1	Repressor	cca	gnls.inv
433337236	433337236~NTP	are-bla_ch2	Activator	cca	gnls
433337236	433337236~NTP	are-bla_ratio	Activator	cca	gnls
433337236	433337236~NTP	are-bla_via	Repressor	cca	hill.inv
433337236	433337236~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
433337236	433337236~NTP	p53-bla_ch2	Inactive	rfp	cnst
433337236	433337236~NTP	p53-bla_ratio	Activator	rfp	hill
433337236	433337236~NTP	p53-bla_via	Inactive	rfp	cnst
434071	434071~FDA	are-bla_ch1	Repressor	cca	hill.inv
434071	434071~FDA	are-bla_ch2	Activator	cca	hill
434071	434071~FDA	are-bla_ratio	Activator	cca	hill
434071	434071~FDA	are-bla_via	Inactive	cca	cnst
434071	434071~NTP	are-bla_ch1	Repressor	cca	gnls.inv
434071	434071~NTP	are-bla_ch2	Activator	cca	gnls
434071	434071~NTP	are-bla_ratio	Activator	cca	gnls
434071	434071~NTP	are-bla_via	Repressor	cca	hill.inv
434071	434071~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
434071	434071~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
434071	434071~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
434071	434071~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
434071	434071~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
434071	434071~NTP	p53-bla_ch2	Inactive	rfp	cnst
434071	434071~NTP	p53-bla_ratio	Activator	rfp	hill
434071	434071~NTP	p53-bla_via	Repressor	rfp	hill.inv
434139	434139~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
434139	434139~EPA	ap1-agonist_ch2	Activator	cca	gnls
434139	434139~EPA	ap1-agonist_ratio	Activator	cca	gnls
434139	434139~EPA	ap1-agonist_via	Repressor	cca	hill.inv
434139	434139~EPA	are-bla_ch1	Repressor	cca	hill.inv
434139	434139~EPA	are-bla_ch2	Activator	cca	gnls
434139	434139~EPA	are-bla_ratio	Activator	cca	gnls
434139	434139~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
434139	434139~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
434139	434139~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
434139	434139~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
434139	434139~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
434139	434139~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
434139	434139~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
434139	434139~EPA	p53-bla_ratio	Activator	rfp	hill
434139	434139~EPA	p53-bla_via	Repressor	rfp	hill.inv
434139	434139~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
434139	434139~NTP	ap1-agonist_ch2	Activator	cca	gnls
434139	434139~NTP	ap1-agonist_ratio	Activator	cca	gnls
434139	434139~NTP	ap1-agonist_via	Repressor	cca	hill.inv
434139	434139~NTP	are-bla_ch1	Repressor	cca	hill.inv
434139	434139~NTP	are-bla_ch2	Activator	cca	gnls
434139	434139~NTP	are-bla_ratio	Activator	cca	gnls
434139	434139~NTP	are-bla_via	Repressor	cca	hill.inv
434139	434139~NTP	esre-bla_ch1	Activator	rfn	hill
434139	434139~NTP	esre-bla_ch2	Activator	rfn	gnls
434139	434139~NTP	esre-bla_ratio	Inactive	rfn	cnst
434139	434139~NTP	esre-bla_via	Repressor	rfn	hill.inv
434139	434139~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
434139	434139~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
434139	434139~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
434139	434139~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
434139	434139~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
434139	434139~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
434139	434139~NTP	p53-bla_ratio	Activator	rfp	hill
434139	434139~NTP	p53-bla_via	Repressor	rfp	hill.inv
434220	434220~NTP	are-bla_ch1	Inactive	EOC	cnst
434220	434220~NTP	are-bla_ch2	Activator	EOC	hill
434220	434220~NTP	are-bla_ratio	Activator	EOC	hill
434220	434220~NTP	are-bla_via	Inactive	EOC	cnst
4342363	4342363~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
4342363	4342363~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
4342363	4342363~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
4342363	4342363~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
4342363	4342363~EPA	are-bla_ch1	Repressor	EOC	hill.inv
4342363	4342363~EPA	are-bla_ch2	Activator	EOC	gnls
4342363	4342363~EPA	are-bla_ratio	Activator	EOC	gnls
4342363	4342363~EPA	are-bla_via	Repressor	EOC	hill.inv
4342363	4342363~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
4342363	4342363~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
4342363	4342363~EPA	esre-bla_ratio	Activator	rfp	hill
4342363	4342363~EPA	esre-bla_via	Repressor	rfp	hill.inv
4342363	4342363~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4342363	4342363~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
4342363	4342363~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
4342363	4342363~EPA	hre-bla-agonist_via	Complex	rfp	gnls
4342363	4342363~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
4342363	4342363~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
4342363	4342363~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
4342363	4342363~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
4342363	4342363~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
4342363	4342363~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
4342363	4342363~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
4342363	4342363~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
4342363	4342363~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
4342363	4342363~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
4342363	4342363~EPA	p53-bla_ratio	Activator	rfp	hill
4342363	4342363~EPA	p53-bla_via	Repressor	rfp	hill.inv
4394007	4394007~FDA	are-bla_ch1	Inactive	EUC	cnst
4394007	4394007~FDA	are-bla_ch2	Activator	EUC	hill
4394007	4394007~FDA	are-bla_ratio	Activator	EUC	hill
4394007	4394007~FDA	are-bla_via	Inactive	EUC	cnst
439687691	439687691~EPA	are-bla_ch1	Inactive	PUC	cnst
439687691	439687691~EPA	are-bla_ch2	Activator	PUC	hill
439687691	439687691~EPA	are-bla_ratio	Activator	PUC	hill
439687691	439687691~EPA	are-bla_via	Inactive	PUC	cnst
440175	440175~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
440175	440175~FDA	ap1-agonist_ch2	Activator	cca	hill
440175	440175~FDA	ap1-agonist_ratio	Activator	cca	hill
440175	440175~FDA	ap1-agonist_via	Inactive	cca	cnst
440175	440175~FDA	are-bla_ch1	Repressor	rfn	hill.inv
440175	440175~FDA	are-bla_ch2	Activator	rfn	gnls
440175	440175~FDA	are-bla_ratio	Inactive	rfn	cnst
440175	440175~FDA	are-bla_via	Repressor	rfn	hill.inv
444610917	444610917~EPA	are-bla_ch1	Repressor	cca	hill.inv
444610917	444610917~EPA	are-bla_ch2	Activator	cca	gnls
444610917	444610917~EPA	are-bla_ratio	Activator	cca	gnls
444610917	444610917~EPA	are-bla_via	Repressor	cca	hill.inv
444610917	444610917~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
444610917	444610917~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
444610917	444610917~EPA	esre-bla_ratio	Activator	rfp	hill
444610917	444610917~EPA	esre-bla_via	Repressor	rfp	hill.inv
444610917	444610917~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
444610917	444610917~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
444610917	444610917~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
444610917	444610917~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
444610917	444610917~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
444610917	444610917~EPA	hse-bla_ch2	Inactive	rfp	cnst
444610917	444610917~EPA	hse-bla_ratio	Activator	rfp	hill
444610917	444610917~EPA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
444610917	444610917~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
444610917	444610917~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
444610917	444610917~EPA	p53-bla_ratio	Activator	rfp	hill
444610917	444610917~EPA	p53-bla_via	Repressor	rfp	hill.inv
444731526	444731526~FDA	are-bla_ch1	Inactive	cca	cnst
444731526	444731526~FDA	are-bla_ch2	Activator	cca	gnls
444731526	444731526~FDA	are-bla_ratio	Activator	cca	gnls
444731526	444731526~FDA	are-bla_via	Inactive	cca	cnst
444731526	444731526~FDA	p53-bla_ch1	Repressor	cca	hill.inv
444731526	444731526~FDA	p53-bla_ch2	Activator	cca	hill
444731526	444731526~FDA	p53-bla_ratio	Activator	cca	hill
444731526	444731526~FDA	p53-bla_via	Inactive	cca	cnst
4449518	4449518~EPA	are-bla_ch1	Inactive	rfn	cnst
4449518	4449518~EPA	are-bla_ch2	Activator	rfn	hill
4449518	4449518~EPA	are-bla_ratio	Inactive	rfn	gnls.inv
4449518	4449518~EPA	are-bla_via	Inactive	rfn	cnst
446355	446355~NTP	are-bla_ch1	Inactive	cca	cnst
446355	446355~NTP	are-bla_ch2	Activator	cca	hill
446355	446355~NTP	are-bla_ratio	Activator	cca	gnls
446355	446355~NTP	are-bla_via	Inactive	cca	cnst
446720	446720~EPA	are-bla_ch1	Repressor	cca	hill.inv
446720	446720~EPA	are-bla_ch2	Activator	cca	hill
446720	446720~EPA	are-bla_ratio	Activator	cca	hill
446720	446720~EPA	are-bla_via	Inactive	cca	cnst
446720	446720~FDA	are-bla_ch1	Repressor	cca	hill.inv
446720	446720~FDA	are-bla_ch2	Activator	cca	hill
446720	446720~FDA	are-bla_ratio	Activator	cca	hill
446720	446720~FDA	are-bla_via	Inactive	cca	cnst
446720	446720~NTP	are-bla_ch1	Repressor	cca	hill.inv
446720	446720~NTP	are-bla_ch2	Activator	cca	hill
446720	446720~NTP	are-bla_ratio	Activator	cca	hill
446720	446720~NTP	are-bla_via	Inactive	cca	cnst
446866	446866~EPA	are-bla_ch1	Repressor	cca	gnls.inv
446866	446866~EPA	are-bla_ch2	Activator	cca	hill
446866	446866~EPA	are-bla_ratio	Activator	cca	gnls
446866	446866~EPA	are-bla_via	Repressor	cca	hill.inv
446866	446866~FDA	are-bla_ch1	Repressor	cca	hill.inv
446866	446866~FDA	are-bla_ch2	Activator	cca	hill
446866	446866~FDA	are-bla_ratio	Activator	cca	hill
446866	446866~FDA	are-bla_via	Repressor	cca	hill.inv
446866	446866~FDA	p53-bla_ch1	Repressor	cca	hill.inv
446866	446866~FDA	p53-bla_ch2	Activator	cca	hill
446866	446866~FDA	p53-bla_ratio	Activator	cca	hill
446866	446866~FDA	p53-bla_via	Inactive	cca	cnst
446866	446866~NTP	are-bla_ch1	Repressor	cca	hill.inv
446866	446866~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
446866	446866~NTP	are-bla_ratio	Activator	cca	hill
446866	446866~NTP	are-bla_via	Repressor	cca	hill.inv
447416	447416~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
447416	447416~FDA	ap1-agonist_ch2	Activator	cca	hill
447416	447416~FDA	ap1-agonist_ratio	Activator	cca	hill
447416	447416~FDA	ap1-agonist_via	Inactive	cca	cnst
44992010	44992010~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
44992010	44992010~NTP	ap1-agonist_ch2	Activator	cca	hill
44992010	44992010~NTP	ap1-agonist_ratio	Activator	cca	hill
44992010	44992010~NTP	ap1-agonist_via	Inactive	cca	cnst
44992010	44992010~NTP	are-bla_ch1	Repressor	cca	hill.inv
44992010	44992010~NTP	are-bla_ch2	Activator	cca	hill
44992010	44992010~NTP	are-bla_ratio	Activator	cca	hill
44992010	44992010~NTP	are-bla_via	Inactive	cca	cnst
452357	452357~FDA	are-bla_ch1	Repressor	cca	hill.inv
452357	452357~FDA	are-bla_ch2	Activator	cca	hill
452357	452357~FDA	are-bla_ratio	Activator	cca	hill
452357	452357~FDA	are-bla_via	Inactive	cca	cnst
452868	452868~NTP	are-bla_ch1	Repressor	cca	hill.inv
452868	452868~NTP	are-bla_ch2	Activator	cca	hill
452868	452868~NTP	are-bla_ratio	Activator	cca	hill
452868	452868~NTP	are-bla_via	Inactive	cca	cnst
4536305	4536305~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
4536305	4536305~EPA	esre-bla_ch2	Inactive	rfp	cnst
4536305	4536305~EPA	esre-bla_ratio	Activator	rfp	hill
4536305	4536305~EPA	esre-bla_via	Repressor	rfp	hill.inv
4536305	4536305~EPA	hse-bla_ch1	Repressor	cca	hill.inv
4536305	4536305~EPA	hse-bla_ch2	Activator	cca	gnls
4536305	4536305~EPA	hse-bla_ratio	Activator	cca	hill
4536305	4536305~EPA	hse-bla_via	Repressor	cca	hill.inv
4559868	4559868~EPA	ap1-agonist_ch1	Inactive	cca	cnst
4559868	4559868~EPA	ap1-agonist_ch2	Activator	cca	hill
4559868	4559868~EPA	ap1-agonist_ratio	Activator	cca	hill
4559868	4559868~EPA	ap1-agonist_via	Inactive	cca	cnst
4574043	4574043~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
4574043	4574043~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
4574043	4574043~EPA	ap1-agonist_ratio	Activator	rfp	hill
4574043	4574043~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
4574043	4574043~EPA	are-bla_ch1	Repressor	cca	hill.inv
4574043	4574043~EPA	are-bla_ch2	Activator	cca	gnls
4574043	4574043~EPA	are-bla_ratio	Activator	cca	gnls
4574043	4574043~EPA	are-bla_via	Repressor	cca	hill.inv
4574043	4574043~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4574043	4574043~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
4574043	4574043~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
4574043	4574043~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
4574043	4574043~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
4574043	4574043~EPA	hse-bla_ch2	Inactive	rfp	cnst
4574043	4574043~EPA	hse-bla_ratio	Activator	rfp	hill
4574043	4574043~EPA	hse-bla_via	Repressor	rfp	hill.inv
4574043	4574043~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
4574043	4574043~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
4574043	4574043~EPA	p53-bla_ratio	Activator	rfp	hill
4574043	4574043~EPA	p53-bla_via	Repressor	rfp	hill.inv
458377	458377~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
458377	458377~FDA	p53-bla_ch2	Activator	EOC	hill
458377	458377~FDA	p53-bla_ratio	Activator	EOC	hill
458377	458377~FDA	p53-bla_via	Inactive	EOC	cnst
458377	458377~NTP	are-bla_ch1	Activator	cca	hill
458377	458377~NTP	are-bla_ch2	Activator	cca	gnls
458377	458377~NTP	are-bla_ratio	Activator	cca	gnls
458377	458377~NTP	are-bla_via	Repressor	cca	hill.inv
458377	458377~NTP	esre-bla_ch1	Activator	EUC	hill
458377	458377~NTP	esre-bla_ch2	Activator	EUC	hill
458377	458377~NTP	esre-bla_ratio	Activator	EUC	hill
458377	458377~NTP	esre-bla_via	Inactive	EUC	cnst
458377	458377~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
458377	458377~NTP	hre-bla-agonist_ch2	Activator	cca	hill
458377	458377~NTP	hre-bla-agonist_ratio	Activator	cca	hill
458377	458377~NTP	hre-bla-agonist_via	Repressor	cca	hill.inv
458377	458377~NTP	hse-bla_ch1	Inactive	cca	cnst
458377	458377~NTP	hse-bla_ch2	Activator	cca	hill
458377	458377~NTP	hse-bla_ratio	Activator	cca	hill
458377	458377~NTP	hse-bla_via	Inactive	cca	cnst
458377	458377~NTP	nfkb-bla-agonist_ch1	Activator	rfn	hill
458377	458377~NTP	nfkb-bla-agonist_ch2	Activator	rfn	hill
458377	458377~NTP	nfkb-bla-agonist_ratio	Inactive	rfn	cnst
458377	458377~NTP	nfkb-bla-agonist_via	Repressor	rfn	hill.inv
458377	458377~NTP	p53-bla_ch1	Inactive	cca	cnst
458377	458377~NTP	p53-bla_ch2	Activator	cca	hill
458377	458377~NTP	p53-bla_ratio	Activator	cca	gnls
458377	458377~NTP	p53-bla_via	Repressor	cca	hill.inv
460081996	460081996~EPA	are-bla_ch1	Inactive	rfn	cnst
460081996	460081996~EPA	are-bla_ch2	Activator	rfn	hill
460081996	460081996~EPA	are-bla_ratio	Inactive	rfn	cnst
460081996	460081996~EPA	are-bla_via	Inactive	rfn	cnst
460345168	460345168~NTP	are-bla_ch1	Repressor	cca	hill.inv
460345168	460345168~NTP	are-bla_ch2	Activator	cca	gnls
460345168	460345168~NTP	are-bla_ratio	Activator	cca	gnls
460345168	460345168~NTP	are-bla_via	Inactive	cca	cnst
461023632	461023632~EPA	ap1-agonist_ch1	Inactive	cca	cnst
461023632	461023632~EPA	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
461023632	461023632~EPA	ap1-agonist_ratio	Activator	cca	hill
461023632	461023632~EPA	ap1-agonist_via	Inactive	cca	cnst
461023632	461023632~EPA	are-bla_ch1	Repressor	cca	hill.inv
461023632	461023632~EPA	are-bla_ch2	Activator	cca	hill
461023632	461023632~EPA	are-bla_ratio	Activator	cca	hill
461023632	461023632~EPA	are-bla_via	Inactive	cca	cnst
461023632	461023632~EPA	p53-bla_ch1	Inactive	cca	cnst
461023632	461023632~EPA	p53-bla_ch2	Activator	cca	hill
461023632	461023632~EPA	p53-bla_ratio	Activator	cca	hill
461023632	461023632~EPA	p53-bla_via	Inactive	cca	cnst
463401	463401~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
463401	463401~EPA	ap1-agonist_ch2	Activator	cca	hill
463401	463401~EPA	ap1-agonist_ratio	Activator	cca	hill
463401	463401~EPA	ap1-agonist_via	Inactive	cca	cnst
463401	463401~EPA	are-bla_ch1	Inactive	cca	cnst
463401	463401~EPA	are-bla_ch2	Activator	cca	hill
463401	463401~EPA	are-bla_ratio	Activator	cca	hill
463401	463401~EPA	are-bla_via	Inactive	cca	cnst
463401	463401~EPA	hse-bla_ch1	Repressor	EUC	hill.inv
463401	463401~EPA	hse-bla_ch2	Activator	EUC	gnls
463401	463401~EPA	hse-bla_ratio	Activator	EUC	hill
463401	463401~EPA	hse-bla_via	Inactive	EUC	cnst
463401	463401~EPA	p53-bla_ch1	Repressor	cca	hill.inv
463401	463401~EPA	p53-bla_ch2	Activator	cca	hill
463401	463401~EPA	p53-bla_ratio	Activator	cca	hill
463401	463401~EPA	p53-bla_via	Inactive	cca	cnst
4638486	4638486~EPA	are-bla_ch1	Inactive	EUC	cnst
4638486	4638486~EPA	are-bla_ch2	Activator	EUC	gnls
4638486	4638486~EPA	are-bla_ratio	Activator	EUC	gnls
4638486	4638486~EPA	are-bla_via	Repressor	EUC	hill.inv
4638486	4638486~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
4638486	4638486~EPA	esre-bla_ch2	Inactive	rfp	cnst
4638486	4638486~EPA	esre-bla_ratio	Activator	rfp	hill
4638486	4638486~EPA	esre-bla_via	Repressor	rfp	hill.inv
4638486	4638486~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4638486	4638486~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
4638486	4638486~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
4638486	4638486~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
4638486	4638486~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
4638486	4638486~EPA	p53-bla_ch2	Inactive	rfp	cnst
4638486	4638486~EPA	p53-bla_ratio	Activator	rfp	hill
4638486	4638486~EPA	p53-bla_via	Repressor	rfp	hill.inv
464482	464482~NTP	ap1-agonist_ch1	Inactive	cca	cnst
464482	464482~NTP	ap1-agonist_ch2	Activator	cca	hill
464482	464482~NTP	ap1-agonist_ratio	Activator	cca	hill
464482	464482~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
465394	465394~FDA	p53-bla_ch1	Inactive	cca	cnst
465394	465394~FDA	p53-bla_ch2	Activator	cca	gnls
465394	465394~FDA	p53-bla_ratio	Activator	cca	gnls
465394	465394~FDA	p53-bla_via	Repressor	cca	hill.inv
465736	465736~EPA	are-bla_ch1	Inactive	PUC	cnst
465736	465736~EPA	are-bla_ch2	Activator	PUC	hill
465736	465736~EPA	are-bla_ratio	Activator	PUC	hill
465736	465736~EPA	are-bla_via	Inactive	PUC	cnst
4658280	4658280~EPA	are-bla_ch1	Inactive	cca	cnst
4658280	4658280~EPA	are-bla_ch2	Activator	cca	hill
4658280	4658280~EPA	are-bla_ratio	Activator	cca	hill
4658280	4658280~EPA	are-bla_via	Inactive	cca	cnst
466068	466068~FDA	are-bla_ch1	Activator	rfn	hill
466068	466068~FDA	are-bla_ch2	Activator	rfn	gnls
466068	466068~FDA	are-bla_ratio	Inactive	rfn	hill.inv
466068	466068~FDA	are-bla_via	Repressor	rfn	hill.inv
4680788	4680788~EPA	are-bla_ch1	Inactive	EUC	cnst
4680788	4680788~EPA	are-bla_ch2	Activator	EUC	hill
4680788	4680788~EPA	are-bla_ratio	Activator	EUC	hill
4680788	4680788~EPA	are-bla_via	Inactive	EUC	cnst
4682364	4682364~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
4682364	4682364~EPA	ap1-agonist_ch2	Activator	cca	hill
4682364	4682364~EPA	ap1-agonist_ratio	Activator	cca	hill
4682364	4682364~EPA	ap1-agonist_via	Inactive	cca	cnst
4682364	4682364~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4682364	4682364~FDA	ap1-agonist_ch2	Activator	cca	hill
4682364	4682364~FDA	ap1-agonist_ratio	Activator	cca	hill
4682364	4682364~FDA	ap1-agonist_via	Inactive	cca	cnst
4707475	4707475~EPA	are-bla_ch1	Inactive	rfn	cnst
4707475	4707475~EPA	are-bla_ch2	Activator	rfn	hill
4707475	4707475~EPA	are-bla_ratio	Inactive	rfn	cnst
4707475	4707475~EPA	are-bla_via	Inactive	rfn	cnst
470906	470906~EPA	are-bla_ch1	Inactive	PUC	cnst
470906	470906~EPA	are-bla_ch2	Activator	PUC	hill
470906	470906~EPA	are-bla_ratio	Activator	PUC	hill
470906	470906~EPA	are-bla_via	Inactive	PUC	cnst
471534	471534~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
471534	471534~NTP	ap1-agonist_ch2	Activator	cca	hill
471534	471534~NTP	ap1-agonist_ratio	Activator	cca	hill
471534	471534~NTP	ap1-agonist_via	Inactive	cca	cnst
471534	471534~NTP	are-bla_ch1	Repressor	cca	hill.inv
471534	471534~NTP	are-bla_ch2	Activator	cca	gnls
471534	471534~NTP	are-bla_ratio	Activator	cca	gnls
471534	471534~NTP	are-bla_via	Repressor	cca	hill.inv
471534	471534~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
471534	471534~NTP	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
471534	471534~NTP	hse-bla_ratio	Activator	rfp	hill
471534	471534~NTP	hse-bla_via	Repressor	rfp	hill.inv
471534	471534~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
471534	471534~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
471534	471534~NTP	p53-bla_ratio	Activator	rfp	hill
471534	471534~NTP	p53-bla_via	Repressor	rfp	hill.inv
472866	472866~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
472866	472866~NTP	hse-bla_ch2	Inactive	rfp	cnst
472866	472866~NTP	hse-bla_ratio	Activator	rfp	hill
472866	472866~NTP	hse-bla_via	Repressor	rfp	hill.inv
472866	472866~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
472866	472866~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
472866	472866~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
472866	472866~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
474259	474259~NTP	are-bla_ch1	Inactive	cca	cnst
474259	474259~NTP	are-bla_ch2	Activator	cca	hill
474259	474259~NTP	are-bla_ratio	Activator	cca	hill
474259	474259~NTP	are-bla_via	Inactive	cca	cnst
474259	474259~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
474259	474259~NTP	p53-bla_ch2	Inactive	rfp	cnst
474259	474259~NTP	p53-bla_ratio	Activator	rfp	hill
474259	474259~NTP	p53-bla_via	Repressor	rfp	hill.inv
474862	474862~EPA	are-bla_ch1	Inactive	EUC	cnst
474862	474862~EPA	are-bla_ch2	Activator	EUC	hill
474862	474862~EPA	are-bla_ratio	Activator	EUC	hill
474862	474862~EPA	are-bla_via	Inactive	EUC	cnst
475207591	475207591~FDA	p53-bla_ch1	Repressor	cca	hill.inv
475207591	475207591~FDA	p53-bla_ch2	Activator	cca	gnls
475207591	475207591~FDA	p53-bla_ratio	Activator	cca	hill
475207591	475207591~FDA	p53-bla_via	Repressor	cca	hill.inv
4752107	4752107~NTP	are-bla_ch1	Repressor	EOC	hill.inv
4752107	4752107~NTP	are-bla_ch2	Activator	EOC	hill
4752107	4752107~NTP	are-bla_ratio	Activator	EOC	hill
4752107	4752107~NTP	are-bla_via	Inactive	EOC	cnst
475575452	475575452~NTP	are-bla_ch1	Inactive	cca	cnst
475575452	475575452~NTP	are-bla_ch2	Activator	cca	hill
475575452	475575452~NTP	are-bla_ratio	Activator	cca	hill
475575452	475575452~NTP	are-bla_via	Inactive	cca	cnst
4759482	4759482~NTP	are-bla_ch1	Complex	rfn	gnls
4759482	4759482~NTP	are-bla_ch2	Activator	rfn	gnls
4759482	4759482~NTP	are-bla_ratio	Inactive	rfn	cnst
4759482	4759482~NTP	are-bla_via	Repressor	rfn	hill.inv
4759482	4759482~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4759482	4759482~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
4759482	4759482~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
4759482	4759482~NTP	hre-bla-agonist_via	Complex	rfp	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
4759482	4759482~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
4759482	4759482~NTP	hse-bla_ch2	Inactive	rfp	cnst
4759482	4759482~NTP	hse-bla_ratio	Activator	rfp	hill
4759482	4759482~NTP	hse-bla_via	Repressor	rfp	hill.inv
4759482	4759482~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
4759482	4759482~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
4759482	4759482~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
4759482	4759482~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
477305	477305~FDA	p53-bla_ch1	Repressor	cca	hill.inv
477305	477305~FDA	p53-bla_ch2	Activator	cca	gnls
477305	477305~FDA	p53-bla_ratio	Activator	cca	gnls
477305	477305~FDA	p53-bla_via	Inactive	cca	cnst
47739980	47739980~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
47739980	47739980~FDA	ap1-agonist_ch2	Activator	EOC	gnls
47739980	47739980~FDA	ap1-agonist_ratio	Activator	EOC	hill
47739980	47739980~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
47739980	47739980~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
47739980	47739980~FDA	esre-bla_ch2	Inactive	rfp	cnst
47739980	47739980~FDA	esre-bla_ratio	Activator	rfp	hill
47739980	47739980~FDA	esre-bla_via	Repressor	rfp	hill.inv
47739980	47739980~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
47739980	47739980~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
47739980	47739980~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
47739980	47739980~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
4776061	4776061~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4776061	4776061~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
4776061	4776061~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
4776061	4776061~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
4776061	4776061~EPA	hse-bla_ch1	Repressor	cca	hill.inv
4776061	4776061~EPA	hse-bla_ch2	Activator	cca	gnls
4776061	4776061~EPA	hse-bla_ratio	Activator	cca	gnls
4776061	4776061~EPA	hse-bla_via	Repressor	cca	hill.inv
4776061	4776061~EPA	p53-bla_ch1	Repressor	POC	gnls.inv
4776061	4776061~EPA	p53-bla_ch2	Activator	POC	hill
4776061	4776061~EPA	p53-bla_ratio	Activator	POC	hill
4776061	4776061~EPA	p53-bla_via	Repressor	POC	hill.inv
4776061	4776061~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
4776061	4776061~FDA	p53-bla_ch2	Activator	EUC	gnls
4776061	4776061~FDA	p53-bla_ratio	Activator	EUC	hill
4776061	4776061~FDA	p53-bla_via	Repressor	EUC	hill.inv
478263988	478263988~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
478263988	478263988~EPA	p53-bla_ch2	Inactive	rfp	cnst
478263988	478263988~EPA	p53-bla_ratio	Activator	rfp	hill
478263988	478263988~EPA	p53-bla_via	Inactive	rfp	cnst
478433	478433~NTP	are-bla_ch1	Repressor	cca	hill.inv
478433	478433~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
478433	478433~NTP	are-bla_ratio	Activator	cca	gnls
478433	478433~NTP	are-bla_via	Repressor	cca	hill.inv
4789688	4789688~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4789688	4789688~FDA	ap1-agonist_ch2	Activator	cca	gnls
4789688	4789688~FDA	ap1-agonist_ratio	Activator	cca	hill
4789688	4789688~FDA	ap1-agonist_via	Inactive	cca	cnst
479130	479130~NTP	are-bla_ch1	Inactive	EUC	cnst
479130	479130~NTP	are-bla_ch2	Activator	EUC	hill
479130	479130~NTP	are-bla_ratio	Activator	EUC	hill
479130	479130~NTP	are-bla_via	Inactive	EUC	cnst
479130	479130~NTP	esre-bla_ch1	Inactive	cca	cnst
479130	479130~NTP	esre-bla_ch2	Activator	cca	hill
479130	479130~NTP	esre-bla_ratio	Activator	cca	hill
479130	479130~NTP	esre-bla_via	Inactive	cca	cnst
4802204	4802204~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
4802204	4802204~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
4802204	4802204~EPA	esre-bla_ratio	Activator	rfp	hill
4802204	4802204~EPA	esre-bla_via	Repressor	rfp	hill.inv
4802204	4802204~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
4802204	4802204~EPA	hse-bla_ch2	Inactive	rfp	cnst
4802204	4802204~EPA	hse-bla_ratio	Activator	rfp	hill
4802204	4802204~EPA	hse-bla_via	Repressor	rfp	hill.inv
4802204	4802204~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
4802204	4802204~EPA	p53-bla_ch2	Inactive	rfp	cnst
4802204	4802204~EPA	p53-bla_ratio	Activator	rfp	hill
4802204	4802204~EPA	p53-bla_via	Repressor	rfp	hill.inv
480400	480400~EPA	are-bla_ch1	Inactive	EUC	cnst
480400	480400~EPA	are-bla_ch2	Activator	EUC	gnls
480400	480400~EPA	are-bla_ratio	Activator	EUC	gnls
480400	480400~EPA	are-bla_via	Inactive	EUC	cnst
481403	481403~NTP	are-bla_ch1	Repressor	rfp	hill.inv
481403	481403~NTP	are-bla_ch2	Inactive	rfp	cnst
481403	481403~NTP	are-bla_ratio	Activator	rfp	hill
481403	481403~NTP	are-bla_via	Inactive	rfp	cnst
48145046	48145046~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
48145046	48145046~EPA	hse-bla_ch2	Inactive	rfp	cnst
48145046	48145046~EPA	hse-bla_ratio	Activator	rfp	hill
48145046	48145046~EPA	hse-bla_via	Repressor	rfp	hill.inv
48145046	48145046~EPA	p53-bla_ch1	Repressor	cca	hill.inv
48145046	48145046~EPA	p53-bla_ch2	Activator	cca	hill
48145046	48145046~EPA	p53-bla_ratio	Activator	cca	hill
48145046	48145046~EPA	p53-bla_via	Inactive	cca	cnst
481492	481492~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
481492	481492~FDA	ap1-agonist_ch2	Activator	cca	hill
481492	481492~FDA	ap1-agonist_ratio	Activator	cca	hill
481492	481492~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
481492	481492~FDA	are-bla_ch1	Inactive	EUC	cnst
481492	481492~FDA	are-bla_ch2	Activator	EUC	hill
481492	481492~FDA	are-bla_ratio	Activator	EUC	hill
481492	481492~FDA	are-bla_via	Repressor	EUC	hill.inv
481721	481721~EPA	are-bla_ch1	Inactive	EUC/POC	cnst
481721	481721~EPA	are-bla_ch2	Activator	EUC/POC	hill
481721	481721~EPA	are-bla_ratio	Activator	EUC/POC	hill
481721	481721~EPA	are-bla_via	Inactive	EUC/POC	cnst
481743	481743~NTP	are-bla_ch1	Repressor	cca	hill.inv
481743	481743~NTP	are-bla_ch2	Activator	cca	hill
481743	481743~NTP	are-bla_ratio	Activator	cca	hill
481743	481743~NTP	are-bla_via	Inactive	cca	cnst
481856	481856~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
481856	481856~FDA	ap1-agonist_ch2	Activator	cca	gnls
481856	481856~FDA	ap1-agonist_ratio	Activator	cca	hill
481856	481856~FDA	ap1-agonist_via	Repressor	cca	hill.inv
481856	481856~FDA	are-bla_ch1	Repressor	cca	hill.inv
481856	481856~FDA	are-bla_ch2	Activator	cca	gnls
481856	481856~FDA	are-bla_ratio	Activator	cca	gnls
481856	481856~FDA	are-bla_via	Repressor	cca	hill.inv
481856	481856~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
481856	481856~FDA	esre-bla_ch2	Inactive	rfp	cnst
481856	481856~FDA	esre-bla_ratio	Activator	rfp	hill
481856	481856~FDA	esre-bla_via	Repressor	rfp	hill.inv
481856	481856~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
481856	481856~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
481856	481856~FDA	hre-bla-agonist_ratio	Activator	rfp	gnls
481856	481856~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
481856	481856~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
481856	481856~FDA	hse-bla_ch2	Inactive	rfp	cnst
481856	481856~FDA	hse-bla_ratio	Activator	rfp	hill
481856	481856~FDA	hse-bla_via	Repressor	rfp	hill.inv
481856	481856~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
481856	481856~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
481856	481856~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
481856	481856~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
481856	481856~FDA	p53-bla_ch1	Inactive	cca	cnst
481856	481856~FDA	p53-bla_ch2	Activator	cca	hill
481856	481856~FDA	p53-bla_ratio	Activator	cca	hill
481856	481856~FDA	p53-bla_via	Inactive	cca	cnst
4824786	4824786~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
4824786	4824786~EPA	ap1-agonist_ch2	Activator	cca	hill
4824786	4824786~EPA	ap1-agonist_ratio	Activator	cca	hill
4824786	4824786~EPA	ap1-agonist_via	Inactive	cca	cnst
482893	482893~FDA	are-bla_ch1	Repressor	EUC	hill.inv
482893	482893~FDA	are-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
482893	482893~FDA	are-bla_ratio	Activator	EUC	hill
482893	482893~FDA	are-bla_via	Inactive	EUC	cnst
483181	483181~FDA	are-bla_ch1	Activator	rfn	hill
483181	483181~FDA	are-bla_ch2	Activator	rfn	gnls
483181	483181~FDA	are-bla_ratio	Inactive	rfn	hill.inv
483181	483181~FDA	are-bla_via	Inactive	rfn	cnst
484173	484173~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
484173	484173~EPA	ap1-agonist_ch2	Activator	PUC	gnls
484173	484173~EPA	ap1-agonist_ratio	Activator	PUC	gnls
484173	484173~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
484173	484173~EPA	are-bla_ch1	Repressor	rfn	hill.inv
484173	484173~EPA	are-bla_ch2	Activator	rfn	gnls
484173	484173~EPA	are-bla_ratio	Inactive	rfn	hill.inv
484173	484173~EPA	are-bla_via	Repressor	rfn	hill.inv
484173	484173~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
484173	484173~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
484173	484173~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
484173	484173~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
484173	484173~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
484173	484173~EPA	hse-bla_ch2	Inactive	rfp	cnst
484173	484173~EPA	hse-bla_ratio	Activator	rfp	hill
484173	484173~EPA	hse-bla_via	Repressor	rfp	hill.inv
484173	484173~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
484173	484173~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
484173	484173~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
484173	484173~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
484173	484173~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
484173	484173~EPA	p53-bla_ch2	Inactive	rfp	gnls.inv
484173	484173~EPA	p53-bla_ratio	Activator	rfp	hill
484173	484173~EPA	p53-bla_via	Repressor	rfp	hill.inv
4849325	4849325~EPA	are-bla_ch1	Inactive	cca	cnst
4849325	4849325~EPA	are-bla_ch2	Activator	cca	hill
4849325	4849325~EPA	are-bla_ratio	Activator	cca	hill
4849325	4849325~EPA	are-bla_via	Inactive	cca	cnst
485314	485314~EPA	are-bla_ch1	Inactive	cca	cnst
485314	485314~EPA	are-bla_ch2	Activator	cca	gnls
485314	485314~EPA	are-bla_ratio	Activator	cca	gnls
485314	485314~EPA	are-bla_via	Repressor	cca	hill.inv
485314	485314~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
485314	485314~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
485314	485314~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
485314	485314~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
485314	485314~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
485314	485314~EPA	hse-bla_ch2	Activator	EOC	hill
485314	485314~EPA	hse-bla_ratio	Activator	EOC	hill
485314	485314~EPA	hse-bla_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
485314	485314~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
485314	485314~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
485314	485314~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
485314	485314~EPA	p53-bla_via	Inactive	EOC/PUC	cnst
485472	485472~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
485472	485472~NTP	ap1-agonist_ch2	Activator	cca	hill
485472	485472~NTP	ap1-agonist_ratio	Activator	cca	hill
485472	485472~NTP	ap1-agonist_via	Inactive	cca	cnst
485472	485472~NTP	p53-bla_ch1	Repressor	cca	hill.inv
485472	485472~NTP	p53-bla_ch2	Activator	cca	gnls
485472	485472~NTP	p53-bla_ratio	Activator	cca	hill
485472	485472~NTP	p53-bla_via	Repressor	cca	hill.inv
485723	485723~EPA	are-bla_ch1	Repressor	cca	hill.inv
485723	485723~EPA	are-bla_ch2	Activator	cca	hill
485723	485723~EPA	are-bla_ratio	Activator	cca	hill
485723	485723~EPA	are-bla_via	Inactive	cca	cnst
486124	486124~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
486124	486124~FDA	ap1-agonist_ch2	Activator	cca	hill
486124	486124~FDA	ap1-agonist_ratio	Activator	cca	hill
486124	486124~FDA	ap1-agonist_via	Inactive	cca	cnst
486668	486668~NTP	are-bla_ch1	Inactive	cca	cnst
486668	486668~NTP	are-bla_ch2	Activator	cca	hill
486668	486668~NTP	are-bla_ratio	Activator	cca	hill
486668	486668~NTP	are-bla_via	Inactive	cca	cnst
487796	487796~FDA	p53-bla_ch1	Inactive	cca	cnst
487796	487796~FDA	p53-bla_ch2	Activator	cca	hill
487796	487796~FDA	p53-bla_ratio	Activator	cca	hill
487796	487796~FDA	p53-bla_via	Inactive	cca	cnst
4880880	4880880~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4880880	4880880~FDA	ap1-agonist_ch2	Activator	cca	hill
4880880	4880880~FDA	ap1-agonist_ratio	Activator	cca	hill
4880880	4880880~FDA	ap1-agonist_via	Inactive	cca	cnst
4880880	4880880~FDA	p53-bla_ch1	Inactive	cca	cnst
4880880	4880880~FDA	p53-bla_ch2	Activator	cca	hill
4880880	4880880~FDA	p53-bla_ratio	Activator	cca	hill
4880880	4880880~FDA	p53-bla_via	Inactive	cca	cnst
4884688	4884688~NTP	are-bla_ch1	Activator	EUC	hill
4884688	4884688~NTP	are-bla_ch2	Activator	EUC	hill
4884688	4884688~NTP	are-bla_ratio	Activator	EUC	hill
4884688	4884688~NTP	are-bla_via	Inactive	EUC	cnst
4884688	4884688~NTP	esre-bla_ch1	Activator	EUC	hill
4884688	4884688~NTP	esre-bla_ch2	Activator	EUC	hill
4884688	4884688~NTP	esre-bla_ratio	Activator	EUC	hill
4884688	4884688~NTP	esre-bla_via	Inactive	EUC	cnst
4884688	4884688~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
4884688	4884688~NTP	hre-bla-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
4884688	4884688~NTP	hre-bla-agonist_ratio	Activator	cca	hill
4884688	4884688~NTP	hre-bla-agonist_via	Inactive	cca	cnst
4884688	4884688~NTP	hse-bla_ch1	Activator	EUC	hill
4884688	4884688~NTP	hse-bla_ch2	Activator	EUC	hill
4884688	4884688~NTP	hse-bla_ratio	Activator	EUC	hill
4884688	4884688~NTP	hse-bla_via	Inactive	EUC	cnst
4884688	4884688~NTP	nfkb-bla-agonist_ch1	Activator	rfn	hill
4884688	4884688~NTP	nfkb-bla-agonist_ch2	Activator	rfn	hill
4884688	4884688~NTP	nfkb-bla-agonist_ratio	Inactive	rfn	cnst
4884688	4884688~NTP	nfkb-bla-agonist_via	Inactive	rfn	cnst
4884688	4884688~NTP	p53-bla_ch1	Inactive	cca	cnst
4884688	4884688~NTP	p53-bla_ch2	Activator	cca	hill
4884688	4884688~NTP	p53-bla_ratio	Activator	cca	hill
4884688	4884688~NTP	p53-bla_via	Inactive	cca	cnst
489010	489010~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
489010	489010~EPA	ap1-agonist_ch2	Activator	EOC	hill
489010	489010~EPA	ap1-agonist_ratio	Activator	EOC	hill
489010	489010~EPA	ap1-agonist_via	Inactive	EOC	cnst
4891150	4891150~FDA	p53-bla_ch1	Repressor	cca	hill.inv
4891150	4891150~FDA	p53-bla_ch2	Activator	cca	gnls
4891150	4891150~FDA	p53-bla_ratio	Activator	cca	gnls
4891150	4891150~FDA	p53-bla_via	Inactive	cca	cnst
4901513	4901513~NTP	are-bla_ch1	Activator	EUC	gnls
4901513	4901513~NTP	are-bla_ch2	Activator	EUC	gnls
4901513	4901513~NTP	are-bla_ratio	Activator	EUC	gnls
4901513	4901513~NTP	are-bla_via	Inactive	EUC	cnst
4901513	4901513~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
4901513	4901513~NTP	p53-bla_ch2	Inactive	rfp	cnst
4901513	4901513~NTP	p53-bla_ratio	Activator	rfp	hill
4901513	4901513~NTP	p53-bla_via	Inactive	rfp	cnst
491361	491361~NTP	ap1-agonist_ch1	Activator	EOC	hill
491361	491361~NTP	ap1-agonist_ch2	Activator	EOC	gnls
491361	491361~NTP	ap1-agonist_ratio	Activator	EOC	gnls
491361	491361~NTP	ap1-agonist_via	Inactive	EOC	cnst
491598	491598~FDA	are-bla_ch1	Repressor	cca	hill.inv
491598	491598~FDA	are-bla_ch2	Activator	cca	hill
491598	491598~FDA	are-bla_ratio	Activator	cca	hill
491598	491598~FDA	are-bla_via	Inactive	cca	cnst
491805	491805~EPA	are-bla_ch1	Repressor	cca	hill.inv
491805	491805~EPA	are-bla_ch2	Activator	cca	gnls
491805	491805~EPA	are-bla_ratio	Activator	cca	gnls
491805	491805~EPA	are-bla_via	Inactive	cca	cnst
491805	491805~NTP	are-bla_ch1	Inactive	cca	cnst
491805	491805~NTP	are-bla_ch2	Activator	cca	gnls
491805	491805~NTP	are-bla_ratio	Activator	cca	gnls
491805	491805~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
491805	491805~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
491805	491805~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
491805	491805~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
491805	491805~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
492944	492944~NTP	are-bla_ch1	Inactive	cca	cnst
492944	492944~NTP	are-bla_ch2	Activator	cca	hill
492944	492944~NTP	are-bla_ratio	Activator	cca	hill
492944	492944~NTP	are-bla_via	Inactive	cca	cnst
493527	493527~EPA	are-bla_ch1	Complex	cca	gnls.inv
493527	493527~EPA	are-bla_ch2	Activator	cca	gnls
493527	493527~EPA	are-bla_ratio	Activator	cca	gnls
493527	493527~EPA	are-bla_via	Repressor	cca	hill.inv
493527	493527~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
493527	493527~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
493527	493527~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
493527	493527~EPA	hre-bla-agonist_via	Complex	rfp	gnls
493527	493527~EPA	hse-bla_ch1	Repressor	cca	hill.inv
493527	493527~EPA	hse-bla_ch2	Activator	cca	gnls
493527	493527~EPA	hse-bla_ratio	Activator	cca	hill
493527	493527~EPA	hse-bla_via	Repressor	cca	hill.inv
494199	494199~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
494199	494199~NTP	ap1-agonist_ch2	Activator	EOC	hill
494199	494199~NTP	ap1-agonist_ratio	Activator	EOC	hill
494199	494199~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
4945475	4945475~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
4945475	4945475~FDA	ap1-agonist_ch2	Activator	cca	hill
4945475	4945475~FDA	ap1-agonist_ratio	Activator	cca	hill
4945475	4945475~FDA	ap1-agonist_via	Inactive	cca	cnst
495181	495181~EPA	are-bla_ch1	Inactive	cca	cnst
495181	495181~EPA	are-bla_ch2	Activator	cca	hill
495181	495181~EPA	are-bla_ratio	Activator	cca	gnls
495181	495181~EPA	are-bla_via	Inactive	cca	cnst
495181	495181~FDA	are-bla_ch1	Inactive	cca	cnst
495181	495181~FDA	are-bla_ch2	Activator	cca	hill
495181	495181~FDA	are-bla_ratio	Activator	cca	hill
495181	495181~FDA	are-bla_via	Inactive	cca	cnst
495181	495181~NTP	are-bla_ch1	Inactive	cca	cnst
495181	495181~NTP	are-bla_ch2	Activator	cca	hill
495181	495181~NTP	are-bla_ratio	Activator	cca	hill
495181	495181~NTP	are-bla_via	Inactive	cca	cnst
495487	495487~NTP	are-bla_ch1	Repressor	EOC	hill.inv
495487	495487~NTP	are-bla_ch2	Activator	EOC	hill
495487	495487~NTP	are-bla_ratio	Activator	EOC	hill
495487	495487~NTP	are-bla_via	Inactive	EOC	cnst
495841	495841~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
495841	495841~FDA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
495841	495841~FDA	ap1-agonist_ratio	Activator	cca	gnls
495841	495841~FDA	ap1-agonist_via	Inactive	cca	cnst
495841	495841~FDA	esre-bla_ch1	Inactive	cca	cnst
495841	495841~FDA	esre-bla_ch2	Activator	cca	gnls
495841	495841~FDA	esre-bla_ratio	Activator	cca	gnls
495841	495841~FDA	esre-bla_via	Inactive	cca	cnst
495841	495841~FDA	hse-bla_ch1	Repressor	cca	hill.inv
495841	495841~FDA	hse-bla_ch2	Activator	cca	gnls
495841	495841~FDA	hse-bla_ratio	Activator	cca	hill
495841	495841~FDA	hse-bla_via	Inactive	cca	cnst
49627272	49627272~FDA	ap1-agonist_ch1	Inactive	cca	cnst
49627272	49627272~FDA	ap1-agonist_ch2	Activator	cca	hill
49627272	49627272~FDA	ap1-agonist_ratio	Activator	cca	hill
49627272	49627272~FDA	ap1-agonist_via	Inactive	cca	cnst
496673	496673~FDA	are-bla_ch1	Inactive	cca	cnst
496673	496673~FDA	are-bla_ch2	Activator	cca	hill
496673	496673~FDA	are-bla_ratio	Activator	cca	hill
496673	496673~FDA	are-bla_via	Inactive	cca	cnst
496720	496720~EPA	are-bla_ch1	Repressor	cca	hill.inv
496720	496720~EPA	are-bla_ch2	Activator	cca	hill
496720	496720~EPA	are-bla_ratio	Activator	cca	hill
496720	496720~EPA	are-bla_via	Inactive	cca	cnst
496720	496720~EPA	hse-bla_ch1	Repressor	cca	hill.inv
496720	496720~EPA	hse-bla_ch2	Activator	cca	hill
496720	496720~EPA	hse-bla_ratio	Activator	cca	hill
496720	496720~EPA	hse-bla_via	Inactive	cca	cnst
496720	496720~NTP	are-bla_ch1	Repressor	cca	hill.inv
496720	496720~NTP	are-bla_ch2	Activator	cca	hill
496720	496720~NTP	are-bla_ratio	Activator	cca	hill
496720	496720~NTP	are-bla_via	Inactive	cca	cnst
496720	496720~NTP	hse-bla_ch1	Inactive	cca	cnst
496720	496720~NTP	hse-bla_ch2	Activator	cca	hill
496720	496720~NTP	hse-bla_ratio	Activator	cca	hill
496720	496720~NTP	hse-bla_via	Inactive	cca	cnst
496775612	496775612~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
496775612	496775612~FDA	ap1-agonist_ch2	Activator	cca	gnls
496775612	496775612~FDA	ap1-agonist_ratio	Activator	cca	gnls
496775612	496775612~FDA	ap1-agonist_via	Repressor	cca	hill.inv
496775612	496775612~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
496775612	496775612~FDA	hse-bla_ch2	Inactive	rfp	cnst
496775612	496775612~FDA	hse-bla_ratio	Activator	rfp	hill
496775612	496775612~FDA	hse-bla_via	Repressor	rfp	hill.inv
49697383	49697383~FDA	ap1-agonist_ch1	Inactive	cca	cnst
49697383	49697383~FDA	ap1-agonist_ch2	Activator	cca	hill
49697383	49697383~FDA	ap1-agonist_ratio	Activator	cca	hill
49697383	49697383~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
49697383	49697383~FDA	are-bla_ch1	Inactive	cca	cnst
49697383	49697383~FDA	are-bla_ch2	Activator	cca	hill
49697383	49697383~FDA	are-bla_ratio	Activator	cca	hill
49697383	49697383~FDA	are-bla_via	Inactive	cca	cnst
497392	497392~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
497392	497392~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
497392	497392~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
497392	497392~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
497392	497392~EPA	are-bla_ch1	Repressor	rfp	hill.inv
497392	497392~EPA	are-bla_ch2	Inactive	rfp	cnst
497392	497392~EPA	are-bla_ratio	Activator	rfp	hill
497392	497392~EPA	are-bla_via	Repressor	rfp	hill.inv
497392	497392~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
497392	497392~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
497392	497392~EPA	esre-bla_ratio	Activator	rfp	hill
497392	497392~EPA	esre-bla_via	Repressor	rfp	hill.inv
497392	497392~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
497392	497392~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
497392	497392~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
497392	497392~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
497392	497392~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
497392	497392~EPA	hse-bla_ch2	Inactive	rfp	cnst
497392	497392~EPA	hse-bla_ratio	Activator	rfp	hill
497392	497392~EPA	hse-bla_via	Repressor	rfp	hill.inv
497392	497392~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
497392	497392~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
497392	497392~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
497392	497392~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
497392	497392~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
497392	497392~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
497392	497392~EPA	p53-bla_ratio	Activator	rfp	hill
497392	497392~EPA	p53-bla_via	Repressor	rfp	hill.inv
4979322	4979322~EPA	are-bla_ch1	Inactive	cca	cnst
4979322	4979322~EPA	are-bla_ch2	Activator	cca	hill
4979322	4979322~EPA	are-bla_ratio	Activator	cca	hill
4979322	4979322~EPA	are-bla_via	Inactive	cca	cnst
4986894	4986894~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
4986894	4986894~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
4986894	4986894~EPA	ap1-agonist_ratio	Activator	rfp	gnls
4986894	4986894~EPA	ap1-agonist_via	Inactive	rfp	cnst
4986894	4986894~EPA	are-bla_ch1	Repressor	cca	hill.inv
4986894	4986894~EPA	are-bla_ch2	Activator	cca	gnls
4986894	4986894~EPA	are-bla_ratio	Activator	cca	gnls
4986894	4986894~EPA	are-bla_via	Repressor	cca	hill.inv
4986894	4986894~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
4986894	4986894~EPA	esre-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
4986894	4986894~EPA	esre-bla_ratio	Activator	rfp	hill
4986894	4986894~EPA	esre-bla_via	Repressor	rfp	hill.inv
4986894	4986894~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
4986894	4986894~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
4986894	4986894~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
4986894	4986894~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
4986894	4986894~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
4986894	4986894~EPA	hse-bla_ch2	Inactive	rfp	cnst
4986894	4986894~EPA	hse-bla_ratio	Activator	rfp	hill
4986894	4986894~EPA	hse-bla_via	Repressor	rfp	hill.inv
4986894	4986894~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
4986894	4986894~EPA	p53-bla_ch2	Activator	PUC	gnls
4986894	4986894~EPA	p53-bla_ratio	Activator	PUC	hill
4986894	4986894~EPA	p53-bla_via	Repressor	PUC	hill.inv
499832	499832~EPA	are-bla_ch1	Inactive	cca	cnst
499832	499832~EPA	are-bla_ch2	Activator	cca	hill
499832	499832~EPA	are-bla_ratio	Activator	cca	hill
499832	499832~EPA	are-bla_via	Inactive	cca	cnst
500389	500389~EPA	esre-bla_ch1	Repressor	PUC	hill.inv
500389	500389~EPA	esre-bla_ch2	Activator	PUC	gnls
500389	500389~EPA	esre-bla_ratio	Activator	PUC	hill
500389	500389~EPA	esre-bla_via	Inactive	PUC	cnst
500389	500389~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
500389	500389~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
500389	500389~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
500389	500389~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
500389	500389~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
500389	500389~EPA	hse-bla_ch2	Activator	PUC	hill
500389	500389~EPA	hse-bla_ratio	Activator	PUC	hill
500389	500389~EPA	hse-bla_via	Inactive	PUC	cnst
500389	500389~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
500389	500389~EPA	p53-bla_ch2	Inactive	rfp	cnst
500389	500389~EPA	p53-bla_ratio	Activator	rfp	hill
500389	500389~EPA	p53-bla_via	Inactive	rfp	cnst
500629	500629~NTP	are-bla_ch1	Repressor	EUC	hill.inv
500629	500629~NTP	are-bla_ch2	Activator	EUC	gnls
500629	500629~NTP	are-bla_ratio	Activator	EUC	gnls
500629	500629~NTP	are-bla_via	Inactive	EUC	cnst
500663	500663~EPA	are-bla_ch1	Inactive	cca	cnst
500663	500663~EPA	are-bla_ch2	Activator	cca	hill
500663	500663~EPA	are-bla_ratio	Activator	cca	hill
500663	500663~EPA	are-bla_via	Inactive	cca	cnst
500663	500663~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
500663	500663~NTP	ap1-agonist_ch2	Activator	cca	hill
500663	500663~NTP	ap1-agonist_ratio	Activator	cca	hill
500663	500663~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
500663	500663~NTP	are-bla_ch1	Inactive	cca	cnst
500663	500663~NTP	are-bla_ch2	Activator	cca	hill
500663	500663~NTP	are-bla_ratio	Activator	cca	hill
500663	500663~NTP	are-bla_via	Inactive	cca	cnst
50077	50077~FDA	are-bla_ch1	Inactive	cca	cnst
50077	50077~FDA	are-bla_ch2	Activator	cca	gnls
50077	50077~FDA	are-bla_ratio	Activator	cca	gnls
50077	50077~FDA	are-bla_via	Repressor	cca	hill.inv
50077	50077~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50077	50077~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
50077	50077~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
50077	50077~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
50077	50077~FDA	p53-bla_ch1	Repressor	cca	hill.inv
50077	50077~FDA	p53-bla_ch2	Activator	cca	gnls
50077	50077~FDA	p53-bla_ratio	Activator	cca	gnls
50077	50077~FDA	p53-bla_via	Repressor	cca	hill.inv
501027492	501027492~EPA	are-bla_ch1	Inactive	cca	cnst
501027492	501027492~EPA	are-bla_ch2	Activator	cca	hill
501027492	501027492~EPA	are-bla_ratio	Activator	cca	hill
501027492	501027492~EPA	are-bla_via	Inactive	cca	cnst
501360	501360~EPA	are-bla_ch1	Repressor	EUC	hill.inv
501360	501360~EPA	are-bla_ch2	Activator	EUC	gnls
501360	501360~EPA	are-bla_ratio	Activator	EUC	hill
501360	501360~EPA	are-bla_via	Inactive	EUC	cnst
501360	501360~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
501360	501360~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
501360	501360~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
501360	501360~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
501360	501360~FDA	are-bla_ch1	Repressor	cca	hill.inv
501360	501360~FDA	are-bla_ch2	Activator	cca	hill
501360	501360~FDA	are-bla_ratio	Activator	cca	hill
501360	501360~FDA	are-bla_via	Inactive	cca	cnst
501360	501360~NTP	are-bla_ch1	Repressor	cca	hill.inv
501360	501360~NTP	are-bla_ch2	Activator	cca	hill
501360	501360~NTP	are-bla_ratio	Activator	cca	hill
501360	501360~NTP	are-bla_via	Inactive	cca	cnst
501360	501360~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
501360	501360~NTP	p53-bla_ch2	Inactive	rfp	cnst
501360	501360~NTP	p53-bla_ratio	Activator	rfp	hill
501360	501360~NTP	p53-bla_via	Inactive	rfp	cnst
50146	50146~EPA	are-bla_ch1	Inactive	cca	cnst
50146	50146~EPA	are-bla_ch2	Activator	cca	gnls
50146	50146~EPA	are-bla_ratio	Activator	cca	gnls
50146	50146~EPA	are-bla_via	Inactive	cca	cnst
50146	50146~EPA	hse-bla_ch1	Repressor	cca	hill.inv
50146	50146~EPA	hse-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
50146	50146~EPA	hse-bla_ratio	Activator	cca	hill
50146	50146~EPA	hse-bla_via	Inactive	cca	cnst
50146	50146~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
50146	50146~EPA	p53-bla_ch2	Inactive	rfp	cnst
50146	50146~EPA	p53-bla_ratio	Activator	rfp	hill
50146	50146~EPA	p53-bla_via	Repressor	rfp	hill.inv
50146	50146~NTP	are-bla_ch1	Inactive	cca	cnst
50146	50146~NTP	are-bla_ch2	Activator	cca	hill
50146	50146~NTP	are-bla_ratio	Activator	cca	hill
50146	50146~NTP	are-bla_via	Inactive	cca	cnst
50146	50146~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
50146	50146~NTP	p53-bla_ch2	Inactive	rfp	cnst
50146	50146~NTP	p53-bla_ratio	Activator	rfp	hill
50146	50146~NTP	p53-bla_via	Repressor	rfp	hill.inv
502614	502614~EPA	are-bla_ch1	Inactive	EUC	cnst
502614	502614~EPA	are-bla_ch2	Activator	EUC	hill
502614	502614~EPA	are-bla_ratio	Activator	EUC	hill
502614	502614~EPA	are-bla_via	Inactive	EUC	cnst
50264692	50264692~FDA	are-bla_ch1	Inactive	EUC	cnst
50264692	50264692~FDA	are-bla_ch2	Activator	EUC	hill
50264692	50264692~FDA	are-bla_ratio	Activator	EUC	hill
50264692	50264692~FDA	are-bla_via	Inactive	EUC	cnst
50264692	50264692~NTP	are-bla_ch1	Inactive	cca	cnst
50264692	50264692~NTP	are-bla_ch2	Activator	cca	hill
50264692	50264692~NTP	are-bla_ratio	Activator	cca	hill
50264692	50264692~NTP	are-bla_via	Inactive	cca	cnst
5026744	5026744~EPA	are-bla_ch1	Repressor	EUC	hill.inv
5026744	5026744~EPA	are-bla_ch2	Activator	EUC	hill
5026744	5026744~EPA	are-bla_ratio	Activator	EUC	hill
5026744	5026744~EPA	are-bla_via	Inactive	EUC	cnst
5026744	5026744~EPA	hse-bla_ch1	Inactive	cca	cnst
5026744	5026744~EPA	hse-bla_ch2	Activator	cca	hill
5026744	5026744~EPA	hse-bla_ratio	Activator	cca	hill
5026744	5026744~EPA	hse-bla_via	Inactive	cca	cnst
5026744	5026744~EPA	p53-bla_ch1	Repressor	cca	hill.inv
5026744	5026744~EPA	p53-bla_ch2	Activator	cca	gnls
5026744	5026744~EPA	p53-bla_ratio	Activator	cca	gnls
5026744	5026744~EPA	p53-bla_via	Repressor	cca	hill.inv
5026744	5026744~NTP	are-bla_ch1	Repressor	EUC	hill.inv
5026744	5026744~NTP	are-bla_ch2	Activator	EUC	hill
5026744	5026744~NTP	are-bla_ratio	Activator	EUC	hill
5026744	5026744~NTP	are-bla_via	Inactive	EUC	cnst
5026744	5026744~NTP	p53-bla_ch1	Inactive	cca	cnst
5026744	5026744~NTP	p53-bla_ch2	Activator	cca	gnls
5026744	5026744~NTP	p53-bla_ratio	Activator	cca	gnls
5026744	5026744~NTP	p53-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
50282	50282~EPA	p53-bla_ch1	Inactive	cca	cnst
50282	50282~EPA	p53-bla_ch2	Activator	cca	gnls
50282	50282~EPA	p53-bla_ratio	Activator	cca	hill
50282	50282~EPA	p53-bla_via	Inactive	cca	cnst
50282	50282~FDA	p53-bla_ch1	Inactive	cca	cnst
50282	50282~FDA	p53-bla_ch2	Activator	cca	gnls
50282	50282~FDA	p53-bla_ratio	Activator	cca	hill
50282	50282~FDA	p53-bla_via	Inactive	cca	cnst
50282	50282~NTP	are-bla_ch1	Inactive	rfn	cnst
50282	50282~NTP	are-bla_ch2	Activator	rfn	hill
50282	50282~NTP	are-bla_ratio	Inactive	rfn	cnst
50282	50282~NTP	are-bla_via	Inactive	rfn	cnst
50282	50282~NTP	p53-bla_ch1	Repressor	cca	hill.inv
50282	50282~NTP	p53-bla_ch2	Activator	cca	hill
50282	50282~NTP	p53-bla_ratio	Activator	cca	hill
50282	50282~NTP	p53-bla_via	Inactive	cca	cnst
50293	50293~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
50293	50293~EPA	ap1-agonist_ratio	Activator	rfp	hill
50293	50293~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
50293	50293~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
50293	50293~EPA	esre-bla_ch2	Inactive	rfp	cnst
50293	50293~EPA	esre-bla_ratio	Activator	rfp	hill
50293	50293~EPA	esre-bla_via	Repressor	rfp	hill.inv
50293	50293~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
50293	50293~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
50293	50293~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
50293	50293~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
50293	50293~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
50293	50293~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
50293	50293~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
50293	50293~EPA	p53-bla_ch2	Inactive	rfp	cnst
50293	50293~EPA	p53-bla_ratio	Activator	rfp	hill
50293	50293~EPA	p53-bla_via	Repressor	rfp	hill.inv
50293	50293~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
50293	50293~FDA	ap1-agonist_ratio	Activator	rfp	hill
50293	50293~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
50293	50293~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
50293	50293~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
50293	50293~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
50293	50293~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv



CAS	CASlib	endpoint	activity	call.type	win.mdl
50293	50293~NTP	ap1-agonist_ratio	Activator	rfp	hill
50293	50293~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
50293	50293~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
50293	50293~NTP	esre-bla_ch2	Inactive	rfp	cnst
50293	50293~NTP	esre-bla_ratio	Activator	rfp	hill
50293	50293~NTP	esre-bla_via	Repressor	rfp	hill.inv
50293	50293~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
50293	50293~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
50293	50293~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
50293	50293~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
50293	50293~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
50293	50293~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
50293	50293~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
50293	50293~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
50293	50293~NTP	p53-bla_ch2	Inactive	rfp	cnst
50293	50293~NTP	p53-bla_ratio	Activator	rfp	hill
50293	50293~NTP	p53-bla_via	Repressor	rfp	hill.inv
50328	50328~NTP	ap1-agonist_ch1	Activator	EUC/POC	hill
50328	50328~NTP	ap1-agonist_ch2	Activator	EUC/POC	hill
50328	50328~NTP	ap1-agonist_ratio	Activator	EUC/POC	hill
50328	50328~NTP	ap1-agonist_via	Inactive	EUC/POC	cnst
50328	50328~NTP	are-bla_ch1	Activator	EUC/POC	hill
50328	50328~NTP	are-bla_ch2	Activator	EUC/POC	hill
50328	50328~NTP	are-bla_ratio	Activator	EUC/POC	gnls
50328	50328~NTP	are-bla_via	Inactive	EUC/POC	cnst
50328	50328~NTP	esre-bla_ch1	Activator	EUC/POC	hill
50328	50328~NTP	esre-bla_ch2	Activator	EUC/POC	hill
50328	50328~NTP	esre-bla_ratio	Activator	EUC/POC	gnls
50328	50328~NTP	esre-bla_via	Inactive	EUC/POC	cnst
50328	50328~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
50328	50328~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
50328	50328~NTP	hre-bla-agonist_ratio	Activator	EUC	gnls
50328	50328~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
50328	50328~NTP	hse-bla_ch1	Activator	EUC/POC	hill
50328	50328~NTP	hse-bla_ch2	Activator	EUC/POC	hill
50328	50328~NTP	hse-bla_ratio	Activator	EUC/POC	gnls
50328	50328~NTP	hse-bla_via	Inactive	EUC/POC	cnst
50328	50328~NTP	nfkb-bla-agonist_ch1	Activator	EUC/POC	hill
50328	50328~NTP	nfkb-bla-agonist_ch2	Activator	EUC/POC	hill
50328	50328~NTP	nfkb-bla-agonist_ratio	Activator	EUC/POC	gnls
50328	50328~NTP	nfkb-bla-agonist_via	Inactive	EUC/POC	cnst
50328	50328~NTP	p53-bla_ch1	Activator	EUC	hill
50328	50328~NTP	p53-bla_ch2	Activator	EUC	hill
50328	50328~NTP	p53-bla_ratio	Activator	EUC	gnls
50328	50328~NTP	p53-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
50370122	50370122~FDA	are-bla_ch1	Inactive	cca	cnst
50370122	50370122~FDA	are-bla_ch2	Activator	cca	hill
50370122	50370122~FDA	are-bla_ratio	Activator	cca	hill
50370122	50370122~FDA	are-bla_via	Inactive	cca	cnst
503742	503742~NTP	are-bla_ch1	Inactive	cca	cnst
503742	503742~NTP	are-bla_ch2	Activator	cca	hill
503742	503742~NTP	are-bla_ratio	Activator	cca	hill
503742	503742~NTP	are-bla_via	Inactive	cca	cnst
5039781	5039781~NTP	ap1-agonist_ch1	Inactive	cca	cnst
5039781	5039781~NTP	ap1-agonist_ch2	Activator	cca	hill
5039781	5039781~NTP	ap1-agonist_ratio	Activator	cca	hill
5039781	5039781~NTP	ap1-agonist_via	Inactive	cca	cnst
5039781	5039781~NTP	are-bla_ch1	Inactive	cca	cnst
5039781	5039781~NTP	are-bla_ch2	Activator	cca	hill
5039781	5039781~NTP	are-bla_ratio	Activator	cca	hill
5039781	5039781~NTP	are-bla_via	Inactive	cca	cnst
50419	50419~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
50419	50419~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
50419	50419~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
50419	50419~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
50419	50419~EPA	are-bla_ch1	Repressor	rfn	hill.inv
50419	50419~EPA	are-bla_ch2	Activator	rfn	gnls
50419	50419~EPA	are-bla_ratio	Inactive	rfn	cnst
50419	50419~EPA	are-bla_via	Repressor	rfn	hill.inv
50419	50419~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
50419	50419~EPA	esre-bla_ch2	Inactive	rfp	cnst
50419	50419~EPA	esre-bla_ratio	Activator	rfp	hill
50419	50419~EPA	esre-bla_via	Repressor	rfp	hill.inv
50419	50419~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50419	50419~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
50419	50419~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
50419	50419~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
50419	50419~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
50419	50419~EPA	hse-bla_ch2	Inactive	rfp	cnst
50419	50419~EPA	hse-bla_ratio	Activator	rfp	hill
50419	50419~EPA	hse-bla_via	Repressor	rfp	hill.inv
50419	50419~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
50419	50419~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
50419	50419~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
50419	50419~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
50419	50419~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
50419	50419~EPA	p53-bla_ch2	Inactive	rfp	cnst
50419	50419~EPA	p53-bla_ratio	Activator	rfp	hill
50419	50419~EPA	p53-bla_via	Repressor	rfp	hill.inv
50442	50442~FDA	are-bla_ch1	Repressor	cca	hill.inv
50442	50442~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
50442	50442~FDA	are-bla_ratio	Activator	cca	hill
50442	50442~FDA	are-bla_via	Repressor	cca	hill.inv
50442	50442~FDA	p53-bla_ch1	Repressor	cca	hill.inv
50442	50442~FDA	p53-bla_ch2	Activator	cca	gnls
50442	50442~FDA	p53-bla_ratio	Activator	cca	gnls
50442	50442~FDA	p53-bla_via	Repressor	cca	hill.inv
50442	50442~NTP	are-bla_ch1	Repressor	cca	gnls.inv
50442	50442~NTP	are-bla_ch2	Activator	cca	hill
50442	50442~NTP	are-bla_ratio	Activator	cca	hill
50442	50442~NTP	are-bla_via	Repressor	cca	hill.inv
50442	50442~NTP	p53-bla_ch1	Repressor	cca	hill.inv
50442	50442~NTP	p53-bla_ch2	Activator	cca	hill
50442	50442~NTP	p53-bla_ratio	Activator	cca	hill
50442	50442~NTP	p53-bla_via	Repressor	cca	hill.inv
504881	504881~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
504881	504881~NTP	ap1-agonist_ch2	Activator	cca	hill
504881	504881~NTP	ap1-agonist_ratio	Activator	cca	hill
504881	504881~NTP	ap1-agonist_via	Inactive	cca	cnst
50497	50497~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
50497	50497~FDA	ap1-agonist_ch2	Activator	EOC	hill
50497	50497~FDA	ap1-agonist_ratio	Activator	EOC	hill
50497	50497~FDA	ap1-agonist_via	Inactive	EOC	cnst
50522	50522~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
50522	50522~FDA	ap1-agonist_ch2	Activator	cca	gnls
50522	50522~FDA	ap1-agonist_ratio	Activator	cca	hill
50522	50522~FDA	ap1-agonist_via	Inactive	cca	cnst
50522	50522~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
50522	50522~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
50522	50522~FDA	p53-bla_ratio	Activator	rfp	hill
50522	50522~FDA	p53-bla_via	Repressor	rfp	hill.inv
50533	50533~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
50533	50533~FDA	ap1-agonist_ch2	Activator	cca	hill
50533	50533~FDA	ap1-agonist_ratio	Activator	cca	hill
50533	50533~FDA	ap1-agonist_via	Inactive	cca	cnst
50533	50533~FDA	p53-bla_ch1	Activator	cca	gnls
50533	50533~FDA	p53-bla_ch2	Activator	cca	gnls
50533	50533~FDA	p53-bla_ratio	Activator	cca	gnls
50533	50533~FDA	p53-bla_via	Inactive	cca	cnst
50555	50555~EPA	are-bla_ch1	Activator	cca	hill
50555	50555~EPA	are-bla_ch2	Activator	cca	hill
50555	50555~EPA	are-bla_ratio	Activator	cca	gnls
50555	50555~EPA	are-bla_via	Inactive	cca	cnst
505793	505793~EPA	are-bla_ch1	Complex	cca	gnls.inv
505793	505793~EPA	are-bla_ch2	Activator	cca	gnls
505793	505793~EPA	are-bla_ratio	Activator	cca	gnls
505793	505793~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
505793	505793~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
505793	505793~EPA	p53-bla_ch2	Activator	EOC	hill
505793	505793~EPA	p53-bla_ratio	Activator	EOC	hill
505793	505793~EPA	p53-bla_via	Inactive	EOC	cnst
50657	50657~EPA	are-bla_ch1	Activator	rfn	hill
50657	50657~EPA	are-bla_ch2	Activator	rfn	gnls
50657	50657~EPA	are-bla_ratio	Inactive	rfn	hill.inv
50657	50657~EPA	are-bla_via	Repressor	rfn	hill.inv
50657	50657~EPA	p53-bla_ch1	Repressor	cca	hill.inv
50657	50657~EPA	p53-bla_ch2	Activator	cca	hill
50657	50657~EPA	p53-bla_ratio	Activator	cca	hill
50657	50657~EPA	p53-bla_via	Repressor	cca	hill.inv
50657	50657~FDA	p53-bla_ch1	Repressor	POC	hill.inv
50657	50657~FDA	p53-bla_ch2	Activator	POC	hill
50657	50657~FDA	p53-bla_ratio	Activator	POC	hill
50657	50657~FDA	p53-bla_via	Repressor	POC	hill.inv
506616	506616~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
506616	506616~NTP	ap1-agonist_ch2	Activator	PUC	gnls
506616	506616~NTP	ap1-agonist_ratio	Activator	PUC	hill
506616	506616~NTP	ap1-agonist_via	Repressor	PUC	hill.inv
506616	506616~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
506616	506616~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
506616	506616~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
506616	506616~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
506616	506616~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
506616	506616~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
506616	506616~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
506616	506616~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
506616	506616~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
506616	506616~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
506616	506616~NTP	p53-bla_ratio	Activator	rfp	hill
506616	506616~NTP	p53-bla_via	Repressor	rfp	hill.inv
50679088	50679088~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
50679088	50679088~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
50679088	50679088~FDA	esre-bla_ratio	Activator	rfp	hill
50679088	50679088~FDA	esre-bla_via	Repressor	rfp	hill.inv
50679088	50679088~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50679088	50679088~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
50679088	50679088~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
50679088	50679088~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
50679088	50679088~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
50679088	50679088~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
50679088	50679088~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
50679088	50679088~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
50679088	50679088~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
50679088	50679088~FDA	p53-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
50679088	50679088~FDA	p53-bla_ratio	Activator	rfp	hill
50679088	50679088~FDA	p53-bla_via	Repressor	rfp	hill.inv
50760	50760~FDA	p53-bla_ch1	Inactive	cca	cnst
50760	50760~FDA	p53-bla_ch2	Activator	cca	gnls
50760	50760~FDA	p53-bla_ratio	Activator	cca	gnls
50760	50760~FDA	p53-bla_via	Inactive	cca	cnst
50760	50760~NTP	ap1-agonist_ch1	Complex	rfn	gnls
50760	50760~NTP	ap1-agonist_ch2	Activator	rfn	gnls
50760	50760~NTP	ap1-agonist_ratio	Inactive	rfn	hill.inv
50760	50760~NTP	ap1-agonist_via	Inactive	rfn	cnst
50760	50760~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
50760	50760~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
50760	50760~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
50760	50760~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
50760	50760~NTP	p53-bla_ch1	Repressor	cca	hill.inv
50760	50760~NTP	p53-bla_ch2	Activator	cca	gnls
50760	50760~NTP	p53-bla_ratio	Activator	cca	gnls
50760	50760~NTP	p53-bla_via	Activator	cca	hill
50817	50817~EPA	are-bla_ch1	Inactive	cca	cnst
50817	50817~EPA	are-bla_ch2	Activator	cca	hill
50817	50817~EPA	are-bla_ratio	Activator	cca	hill
50817	50817~EPA	are-bla_via	Inactive	cca	cnst
50838363	50838363~FDA	are-bla_ch1	Inactive	cca	cnst
50838363	50838363~FDA	are-bla_ch2	Activator	cca	hill
50838363	50838363~FDA	are-bla_ratio	Activator	cca	hill
50838363	50838363~FDA	are-bla_via	Inactive	cca	cnst
50865015	50865015~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
50865015	50865015~FDA	ap1-agonist_ch2	Activator	PUC	hill
50865015	50865015~FDA	ap1-agonist_ratio	Activator	PUC	hill
50865015	50865015~FDA	ap1-agonist_via	Inactive	PUC	cnst
50865015	50865015~FDA	are-bla_ch1	Repressor	cca	hill.inv
50865015	50865015~FDA	are-bla_ch2	Activator	cca	hill
50865015	50865015~FDA	are-bla_ratio	Activator	cca	hill
50865015	50865015~FDA	are-bla_via	Inactive	cca	cnst
50892234	50892234~EPA	are-bla_ch1	Inactive	cca	cnst
50892234	50892234~EPA	are-bla_ch2	Activator	cca	hill
50892234	50892234~EPA	are-bla_ratio	Activator	cca	hill
50892234	50892234~EPA	are-bla_via	Inactive	cca	cnst
50892234	50892234~NTP	are-bla_ch1	Inactive	cca	cnst
50892234	50892234~NTP	are-bla_ch2	Activator	cca	hill
50892234	50892234~NTP	are-bla_ratio	Activator	cca	hill
50892234	50892234~NTP	are-bla_via	Inactive	cca	cnst
509148	509148~EPA	are-bla_ch1	Repressor	cca	hill.inv
509148	509148~EPA	are-bla_ch2	Activator	cca	hill
509148	509148~EPA	are-bla_ratio	Activator	cca	hill
509148	509148~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
50919	50919~FDA	are-bla_ch1	Inactive	EUC/POC	cnst
50919	50919~FDA	are-bla_ch2	Activator	EUC/POC	hill
50919	50919~FDA	are-bla_ratio	Activator	EUC/POC	hill
50919	50919~FDA	are-bla_via	Repressor	EUC/POC	hill.inv
50919	50919~FDA	p53-bla_ch1	Repressor	cca	hill.inv
50919	50919~FDA	p53-bla_ch2	Activator	cca	hill
50919	50919~FDA	p53-bla_ratio	Activator	cca	hill
50919	50919~FDA	p53-bla_via	Repressor	cca	hill.inv
509342	509342~NTP	ap1-agonist_ch1	Inactive	cca	cnst
509342	509342~NTP	ap1-agonist_ch2	Activator	cca	hill
509342	509342~NTP	ap1-agonist_ratio	Activator	cca	hill
509342	509342~NTP	ap1-agonist_via	Inactive	cca	cnst
50935041	50935041~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
50935041	50935041~FDA	p53-bla_ch2	Activator	EOC	gnls
50935041	50935041~FDA	p53-bla_ratio	Activator	EOC	gnls
50935041	50935041~FDA	p53-bla_via	Inactive	EOC	cnst
50940493	50940493~EPA	are-bla_ch1	Repressor	cca	hill.inv
50940493	50940493~EPA	are-bla_ch2	Activator	cca	hill
50940493	50940493~EPA	are-bla_ratio	Activator	cca	hill
50940493	50940493~EPA	are-bla_via	Inactive	cca	cnst
510156	510156~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
510156	510156~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
510156	510156~EPA	ap1-agonist_ratio	Activator	rfp	gnls
510156	510156~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
510156	510156~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
510156	510156~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
510156	510156~NTP	ap1-agonist_ratio	Activator	rfp	hill
510156	510156~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
510156	510156~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
510156	510156~NTP	p53-bla_ch2	Inactive	rfp	cnst
510156	510156~NTP	p53-bla_ratio	Activator	rfp	hill
510156	510156~NTP	p53-bla_via	Inactive	rfp	cnst
510747	510747~FDA	ap1-agonist_ch1	Inactive	cca	cnst
510747	510747~FDA	ap1-agonist_ch2	Activator	cca	hill
510747	510747~FDA	ap1-agonist_ratio	Activator	cca	hill
510747	510747~FDA	ap1-agonist_via	Inactive	cca	cnst
510747	510747~FDA	are-bla_ch1	Repressor	cca	hill.inv
510747	510747~FDA	are-bla_ch2	Activator	cca	gnls
510747	510747~FDA	are-bla_ratio	Activator	cca	hill
510747	510747~FDA	are-bla_via	Activator	cca	hill
510747	510747~FDA	esre-bla_ch1	Inactive	cca	cnst
510747	510747~FDA	esre-bla_ch2	Activator	cca	gnls
510747	510747~FDA	esre-bla_ratio	Activator	cca	hill
510747	510747~FDA	esre-bla_via	Inactive	cca	cnst
5116949	5116949~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
5116949	5116949~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
5116949	5116949~EPA	ap1-agonist_ratio	Activator	cca	gnls
5116949	5116949~EPA	ap1-agonist_via	Inactive	cca	cnst
5116949	5116949~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
5116949	5116949~EPA	esre-bla_ch2	Inactive	rfp	cnst
5116949	5116949~EPA	esre-bla_ratio	Activator	rfp	hill
5116949	5116949~EPA	esre-bla_via	Repressor	rfp	hill.inv
5116949	5116949~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
5116949	5116949~EPA	hse-bla_ch2	Inactive	rfp	cnst
5116949	5116949~EPA	hse-bla_ratio	Activator	rfp	hill
5116949	5116949~EPA	hse-bla_via	Repressor	rfp	hill.inv
5116949	5116949~EPA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
5116949	5116949~EPA	nfkb-bla-agonist_ch2	Activator	cca	gnls
5116949	5116949~EPA	nfkb-bla-agonist_ratio	Activator	cca	hill
5116949	5116949~EPA	nfkb-bla-agonist_via	Inactive	cca	cnst
5116949	5116949~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
5116949	5116949~EPA	p53-bla_ch2	Inactive	rfp	cnst
5116949	5116949~EPA	p53-bla_ratio	Activator	rfp	hill
5116949	5116949~EPA	p53-bla_via	Repressor	rfp	hill.inv
51218452	51218452~EPA	are-bla_ch1	Repressor	cca	gnls.inv
51218452	51218452~EPA	are-bla_ch2	Activator	cca	hill
51218452	51218452~EPA	are-bla_ratio	Activator	cca	hill
51218452	51218452~EPA	are-bla_via	Inactive	cca	cnst
51218452	51218452~NTP	are-bla_ch1	Repressor	cca	hill.inv
51218452	51218452~NTP	are-bla_ch2	Activator	cca	hill
51218452	51218452~NTP	are-bla_ratio	Activator	cca	hill
51218452	51218452~NTP	are-bla_via	Inactive	cca	cnst
51218	51218~EPA	p53-bla_ch1	Repressor	cca	hill.inv
51218	51218~EPA	p53-bla_ch2	Activator	cca	gnls
51218	51218~EPA	p53-bla_ratio	Activator	cca	gnls
51218	51218~EPA	p53-bla_via	Inactive	cca	cnst
51218	51218~FDA	p53-bla_ch1	Inactive	cca	cnst
51218	51218~FDA	p53-bla_ch2	Activator	cca	gnls
51218	51218~FDA	p53-bla_ratio	Activator	cca	gnls
51218	51218~FDA	p53-bla_via	Repressor	cca	hill.inv
51218	51218~NTP	p53-bla_ch1	Inactive	EUC	cnst
51218	51218~NTP	p53-bla_ch2	Activator	EUC	gnls
51218	51218~NTP	p53-bla_ratio	Activator	EUC	gnls
51218	51218~NTP	p53-bla_via	Repressor	EUC	hill.inv
51229788	51229788~EPA	are-bla_ch1	Repressor	cca	hill.inv
51229788	51229788~EPA	are-bla_ch2	Activator	cca	hill
51229788	51229788~EPA	are-bla_ratio	Activator	cca	hill
51229788	51229788~EPA	are-bla_via	Inactive	cca	cnst
51241	51241~EPA	are-bla_ch1	Inactive	cca	cnst
51241	51241~EPA	are-bla_ch2	Activator	cca	hill
51241	51241~EPA	are-bla_ratio	Activator	cca	hill
51241	51241~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
51241	51241~EPA	p53-bla_ch1	Repressor	cca	hill.inv
51241	51241~EPA	p53-bla_ch2	Activator	cca	gnls
51241	51241~EPA	p53-bla_ratio	Activator	cca	hill
51241	51241~EPA	p53-bla_via	Repressor	cca	hill.inv
51241	51241~FDA	p53-bla_ch1	Repressor	cca	hill.inv
51241	51241~FDA	p53-bla_ch2	Activator	cca	gnls
51241	51241~FDA	p53-bla_ratio	Activator	cca	gnls
51241	51241~FDA	p53-bla_via	Inactive	cca	cnst
51285	51285~EPA	are-bla_ch1	Inactive	EUC	cnst
51285	51285~EPA	are-bla_ch2	Activator	EUC	hill
51285	51285~EPA	are-bla_ratio	Activator	EUC	hill
51285	51285~EPA	are-bla_via	Inactive	EUC	cnst
51285	51285~NTP	are-bla_ch1	Inactive	cca	cnst
51285	51285~NTP	are-bla_ch2	Activator	cca	hill
51285	51285~NTP	are-bla_ratio	Activator	cca	hill
51285	51285~NTP	are-bla_via	Inactive	cca	cnst
51309	51309~EPA	are-bla_ch1	Inactive	PUC	cnst
51309	51309~EPA	are-bla_ch2	Activator	PUC	gnls
51309	51309~EPA	are-bla_ratio	Activator	PUC	hill
51309	51309~EPA	are-bla_via	Inactive	PUC	cnst
51333223	51333223~EPA	are-bla_ch1	Inactive	cca	cnst
51333223	51333223~EPA	are-bla_ch2	Activator	cca	hill
51333223	51333223~EPA	are-bla_ratio	Activator	cca	hill
51333223	51333223~EPA	are-bla_via	Inactive	cca	cnst
51333223	51333223~NTP	ap1-agonist_ch1	Inactive	cca	cnst
51333223	51333223~NTP	ap1-agonist_ch2	Activator	cca	hill
51333223	51333223~NTP	ap1-agonist_ratio	Activator	cca	hill
51333223	51333223~NTP	ap1-agonist_via	Inactive	cca	cnst
51333223	51333223~NTP	are-bla_ch1	Inactive	cca	cnst
51333223	51333223~NTP	are-bla_ch2	Activator	cca	gnls
51333223	51333223~NTP	are-bla_ratio	Activator	cca	gnls
51333223	51333223~NTP	are-bla_via	Inactive	cca	cnst
5137553	5137553~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
5137553	5137553~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
5137553	5137553~EPA	ap1-agonist_ratio	Activator	EOC/PUC	gnls
5137553	5137553~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
5137553	5137553~EPA	are-bla_ch1	Repressor	cca	hill.inv
5137553	5137553~EPA	are-bla_ch2	Activator	cca	gnls
5137553	5137553~EPA	are-bla_ratio	Activator	cca	gnls
5137553	5137553~EPA	are-bla_via	Repressor	cca	hill.inv
5137553	5137553~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
5137553	5137553~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
5137553	5137553~EPA	esre-bla_ratio	Activator	rfp	hill
5137553	5137553~EPA	esre-bla_via	Repressor	rfp	hill.inv
5137553	5137553~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
5137553	5137553~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv



CAS	CASlib	endpoint	activity	call.type	win.mdl
5137553	5137553~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
5137553	5137553~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
5137553	5137553~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
5137553	5137553~EPA	hse-bla_ch2	Inactive	rfp	cnst
5137553	5137553~EPA	hse-bla_ratio	Activator	rfp	hill
5137553	5137553~EPA	hse-bla_via	Repressor	rfp	hill.inv
5137553	5137553~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
5137553	5137553~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
5137553	5137553~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
5137553	5137553~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
5137553	5137553~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
5137553	5137553~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
5137553	5137553~EPA	p53-bla_ratio	Activator	rfp	hill
5137553	5137553~EPA	p53-bla_via	Repressor	rfp	hill.inv
513928	513928~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
513928	513928~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
513928	513928~EPA	ap1-agonist_ratio	Activator	rfp	hill
513928	513928~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
513928	513928~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
513928	513928~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
513928	513928~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
513928	513928~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
513928	513928~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
513928	513928~EPA	p53-bla_ch2	Activator	PUC	gnls
513928	513928~EPA	p53-bla_ratio	Activator	PUC	hill
513928	513928~EPA	p53-bla_via	Repressor	PUC	hill.inv
51412	51412~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
51412	51412~EPA	ap1-agonist_ch2	Activator	cca	hill
51412	51412~EPA	ap1-agonist_ratio	Activator	cca	hill
51412	51412~EPA	ap1-agonist_via	Inactive	cca	cnst
514738	514738~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
514738	514738~FDA	p53-bla_ch2	Activator	EOC	gnls
514738	514738~FDA	p53-bla_ratio	Activator	EOC	hill
514738	514738~FDA	p53-bla_via	Repressor	EOC	hill.inv
515037	515037~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
515037	515037~EPA	ap1-agonist_ch2	Activator	EOC	hill
515037	515037~EPA	ap1-agonist_ratio	Activator	EOC	hill
515037	515037~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
515037	515037~EPA	are-bla_ch1	Repressor	rfp	hill.inv
515037	515037~EPA	are-bla_ch2	Inactive	rfp	hill.inv
515037	515037~EPA	are-bla_ratio	Activator	rfp	gnls
515037	515037~EPA	are-bla_via	Repressor	rfp	hill.inv
515037	515037~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
515037	515037~EPA	hse-bla_ch2	Inactive	rfp	cnst
515037	515037~EPA	hse-bla_ratio	Activator	rfp	hill
515037	515037~EPA	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
515037	515037~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
515037	515037~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
515037	515037~EPA	p53-bla_ratio	Activator	rfp	hill
515037	515037~EPA	p53-bla_via	Repressor	rfp	hill.inv
5153253	5153253~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
5153253	5153253~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
5153253	5153253~EPA	ap1-agonist_ratio	Activator	rfp	hill
5153253	5153253~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
5153253	5153253~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
5153253	5153253~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
5153253	5153253~EPA	esre-bla_ratio	Activator	rfp	hill
5153253	5153253~EPA	esre-bla_via	Repressor	rfp	hill.inv
5153253	5153253~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
5153253	5153253~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
5153253	5153253~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
5153253	5153253~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
5153253	5153253~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
5153253	5153253~EPA	hse-bla_ch2	Inactive	rfp	cnst
5153253	5153253~EPA	hse-bla_ratio	Activator	rfp	hill
5153253	5153253~EPA	hse-bla_via	Repressor	rfp	hill.inv
5153253	5153253~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
5153253	5153253~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
5153253	5153253~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
5153253	5153253~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
5153253	5153253~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
5153253	5153253~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
5153253	5153253~NTP	ap1-agonist_ratio	Activator	rfp	hill
5153253	5153253~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
5153253	5153253~NTP	are-bla_ch1	Repressor	rfp	hill.inv
5153253	5153253~NTP	are-bla_ch2	Inactive	rfp	hill.inv
5153253	5153253~NTP	are-bla_ratio	Activator	rfp	hill
5153253	5153253~NTP	are-bla_via	Repressor	rfp	hill.inv
5153253	5153253~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
5153253	5153253~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
5153253	5153253~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
5153253	5153253~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
5153253	5153253~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
5153253	5153253~NTP	hse-bla_ch2	Inactive	rfp	cnst
5153253	5153253~NTP	hse-bla_ratio	Activator	rfp	hill
5153253	5153253~NTP	hse-bla_via	Repressor	rfp	hill.inv
5153253	5153253~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
5153253	5153253~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
5153253	5153253~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
5153253	5153253~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
5153253	5153253~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
5153253	5153253~NTP	p53-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
5153253	5153253~NTP	p53-bla_ratio	Activator	rfp	hill
5153253	5153253~NTP	p53-bla_via	Repressor	rfp	hill.inv
5153673	5153673~NTP	p53-bla_ch1	Repressor	cca	gnls.inv
5153673	5153673~NTP	p53-bla_ch2	Activator	cca	gnls
5153673	5153673~NTP	p53-bla_ratio	Activator	cca	gnls
5153673	5153673~NTP	p53-bla_via	Repressor	cca	gnls.inv
51616	51616~FDA	are-bla_ch1	Repressor	cca	hill.inv
51616	51616~FDA	are-bla_ch2	Activator	cca	hill
51616	51616~FDA	are-bla_ratio	Activator	cca	gnls
51616	51616~FDA	are-bla_via	Inactive	cca	cnst
51630581	51630581~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
51630581	51630581~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
51630581	51630581~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
51630581	51630581~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
51630581	51630581~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
51630581	51630581~NTP	esre-bla_ch2	Inactive	rfp	cnst
51630581	51630581~NTP	esre-bla_ratio	Activator	rfp	hill
51630581	51630581~NTP	esre-bla_via	Inactive	rfp	cnst
51630581	51630581~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
51630581	51630581~NTP	hse-bla_ch2	Inactive	rfp	cnst
51630581	51630581~NTP	hse-bla_ratio	Activator	rfp	hill
51630581	51630581~NTP	hse-bla_via	Inactive	rfp	cnst
51650	51650~NTP	ap1-agonist_ch1	Inactive	cca	cnst
51650	51650~NTP	ap1-agonist_ch2	Activator	cca	hill
51650	51650~NTP	ap1-agonist_ratio	Activator	cca	hill
51650	51650~NTP	ap1-agonist_via	Inactive	cca	cnst
51707552	51707552~EPA	are-bla_ch1	Inactive	cca	cnst
51707552	51707552~EPA	are-bla_ch2	Activator	cca	hill
51707552	51707552~EPA	are-bla_ratio	Activator	cca	hill
51707552	51707552~EPA	are-bla_via	Inactive	cca	cnst
51773923	51773923~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
51773923	51773923~FDA	ap1-agonist_ch2	Activator	cca	gnls
51773923	51773923~FDA	ap1-agonist_ratio	Activator	cca	gnls
51773923	51773923~FDA	ap1-agonist_via	Inactive	cca	cnst
51773923	51773923~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
51773923	51773923~FDA	p53-bla_ch2	Inactive	rfp	cnst
51773923	51773923~FDA	p53-bla_ratio	Activator	rfp	hill
51773923	51773923~FDA	p53-bla_via	Repressor	rfp	hill.inv
518285	518285~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
518285	518285~FDA	ap1-agonist_ch2	Activator	cca	hill
518285	518285~FDA	ap1-agonist_ratio	Activator	cca	gnls
518285	518285~FDA	ap1-agonist_via	Inactive	cca	cnst
518285	518285~FDA	are-bla_ch1	Repressor	cca	hill.inv
518285	518285~FDA	are-bla_ch2	Activator	cca	gnls
518285	518285~FDA	are-bla_ratio	Activator	cca	hill
518285	518285~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
518285	518285~FDA	esre-bla_ch1	Activator	rfn	hill
518285	518285~FDA	esre-bla_ch2	Activator	rfn	gnls
518285	518285~FDA	esre-bla_ratio	Inactive	rfn	cnst
518285	518285~FDA	esre-bla_via	Inactive	rfn	cnst
518285	518285~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
518285	518285~NTP	ap1-agonist_ch2	Activator	cca	hill
518285	518285~NTP	ap1-agonist_ratio	Activator	cca	hill
518285	518285~NTP	ap1-agonist_via	Inactive	cca	cnst
518285	518285~NTP	are-bla_ch1	Repressor	cca	hill.inv
518285	518285~NTP	are-bla_ch2	Activator	cca	gnls
518285	518285~NTP	are-bla_ratio	Activator	cca	hill
518285	518285~NTP	are-bla_via	Inactive	cca	cnst
51832	51832~FDA	ap1-agonist_ch1	Inactive	cca	cnst
51832	51832~FDA	ap1-agonist_ch2	Activator	cca	hill
51832	51832~FDA	ap1-agonist_ratio	Activator	cca	hill
51832	51832~FDA	ap1-agonist_via	Inactive	cca	cnst
518821	518821~EPA	are-bla_ch1	Repressor	cca	gnls.inv
518821	518821~EPA	are-bla_ch2	Activator	cca	gnls
518821	518821~EPA	are-bla_ratio	Activator	cca	gnls
518821	518821~EPA	are-bla_via	Repressor	cca	hill.inv
518821	518821~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
518821	518821~EPA	p53-bla_ch2	Inactive	rfp	cnst
518821	518821~EPA	p53-bla_ratio	Activator	rfp	hill
518821	518821~EPA	p53-bla_via	Repressor	rfp	hill.inv
518821	518821~NTP	p53-bla_ch1	Repressor	cca	hill.inv
518821	518821~NTP	p53-bla_ch2	Activator	cca	gnls
518821	518821~NTP	p53-bla_ratio	Activator	cca	hill
518821	518821~NTP	p53-bla_via	Inactive	cca	cnst
52017	52017~EPA	p53-bla_ch1	Inactive	cca	cnst
52017	52017~EPA	p53-bla_ch2	Activator	cca	hill
52017	52017~EPA	p53-bla_ratio	Activator	cca	hill
52017	52017~EPA	p53-bla_via	Inactive	cca	cnst
520365	520365~EPA	are-bla_ch1	Inactive	EUC	cnst
520365	520365~EPA	are-bla_ch2	Activator	EUC	gnls
520365	520365~EPA	are-bla_ratio	Activator	EUC	gnls
520365	520365~EPA	are-bla_via	Inactive	EUC	cnst
520365	520365~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
520365	520365~EPA	p53-bla_ch2	Activator	EOC	hill
520365	520365~EPA	p53-bla_ratio	Activator	EOC	hill
520365	520365~EPA	p53-bla_via	Inactive	EOC	cnst
520365	520365~NTP	p53-bla_ch1	Repressor	cca	hill.inv
520365	520365~NTP	p53-bla_ch2	Activator	cca	gnls
520365	520365~NTP	p53-bla_ratio	Activator	cca	gnls
520365	520365~NTP	p53-bla_via	Inactive	cca	cnst
520536	520536~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
520536	520536~FDA	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
520536	520536~FDA	ap1-agonist_ratio	Activator	cca	hill
520536	520536~FDA	ap1-agonist_via	Inactive	cca	cnst
521186	521186~EPA	are-bla_ch1	Inactive	EUC	cnst
521186	521186~EPA	are-bla_ch2	Activator	EUC	hill
521186	521186~EPA	are-bla_ratio	Activator	EUC	hill
521186	521186~EPA	are-bla_via	Inactive	EUC	cnst
521186	521186~NTP	are-bla_ch1	Inactive	EUC	cnst
521186	521186~NTP	are-bla_ch2	Activator	EUC	hill
521186	521186~NTP	are-bla_ratio	Activator	EUC	hill
521186	521186~NTP	are-bla_via	Inactive	EUC	cnst
521357	521357~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
521357	521357~FDA	p53-bla_ch2	Inactive	rfp	cnst
521357	521357~FDA	p53-bla_ratio	Activator	rfp	hill
521357	521357~FDA	p53-bla_via	Repressor	rfp	hill.inv
521744	521744~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
521744	521744~FDA	ap1-agonist_ch2	Activator	cca	gnls
521744	521744~FDA	ap1-agonist_ratio	Activator	cca	gnls
521744	521744~FDA	ap1-agonist_via	Inactive	cca	cnst
521744	521744~FDA	are-bla_ch1	Repressor	POC	hill.inv
521744	521744~FDA	are-bla_ch2	Activator	POC	hill
521744	521744~FDA	are-bla_ratio	Activator	POC	hill
521744	521744~FDA	are-bla_via	Inactive	POC	cnst
521744	521744~FDA	esre-bla_ch1	Activator	rfn	hill
521744	521744~FDA	esre-bla_ch2	Activator	rfn	hill
521744	521744~FDA	esre-bla_ratio	Inactive	rfn	cnst
521744	521744~FDA	esre-bla_via	Inactive	rfn	cnst
521744	521744~FDA	hse-bla_ch1	Repressor	cca	gnls.inv
521744	521744~FDA	hse-bla_ch2	Activator	cca	hill
521744	521744~FDA	hse-bla_ratio	Activator	cca	gnls
521744	521744~FDA	hse-bla_via	Inactive	cca	cnst
521744	521744~FDA	p53-bla_ch1	Inactive	EUC	cnst
521744	521744~FDA	p53-bla_ch2	Activator	EUC	gnls
521744	521744~FDA	p53-bla_ratio	Activator	EUC	hill
521744	521744~FDA	p53-bla_via	Inactive	EUC	cnst
521788	521788~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
521788	521788~FDA	ap1-agonist_ch2	Activator	cca	hill
521788	521788~FDA	ap1-agonist_ratio	Activator	cca	hill
521788	521788~FDA	ap1-agonist_via	Inactive	cca	cnst
52205739	52205739~FDA	p53-bla_ch1	Inactive	cca	cnst
52205739	52205739~FDA	p53-bla_ch2	Activator	cca	hill
52205739	52205739~FDA	p53-bla_ratio	Activator	cca	hill
52205739	52205739~FDA	p53-bla_via	Inactive	cca	cnst
52214843	52214843~EPA	are-bla_ch1	Inactive	cca	cnst
52214843	52214843~EPA	are-bla_ch2	Activator	cca	hill
52214843	52214843~EPA	are-bla_ratio	Activator	cca	hill
52214843	52214843~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
52244	52244~EPA	p53-bla_ch1	Inactive	cca	cnst
52244	52244~EPA	p53-bla_ch2	Activator	cca	hill
52244	52244~EPA	p53-bla_ratio	Activator	cca	hill
52244	52244~EPA	p53-bla_via	Inactive	cca	cnst
52244	52244~FDA	p53-bla_ch1	Inactive	cca	cnst
52244	52244~FDA	p53-bla_ch2	Activator	cca	hill
52244	52244~FDA	p53-bla_ratio	Activator	cca	hill
52244	52244~FDA	p53-bla_via	Inactive	cca	cnst
52244	52244~NTP	p53-bla_ch1	Inactive	cca	cnst
52244	52244~NTP	p53-bla_ch2	Activator	cca	hill
52244	52244~NTP	p53-bla_ratio	Activator	cca	hill
52244	52244~NTP	p53-bla_via	Inactive	cca	cnst
52253697	52253697~NTP	are-bla_ch1	Inactive	cca	cnst
52253697	52253697~NTP	are-bla_ch2	Activator	cca	hill
52253697	52253697~NTP	are-bla_ratio	Activator	cca	hill
52253697	52253697~NTP	are-bla_via	Inactive	cca	cnst
523273	523273~NTP	are-bla_ch1	Inactive	EUC	cnst
523273	523273~NTP	are-bla_ch2	Activator	EUC	hill
523273	523273~NTP	are-bla_ratio	Activator	EUC	hill
523273	523273~NTP	are-bla_via	Inactive	EUC	cnst
523273	523273~NTP	esre-bla_ch1	Inactive	cca	cnst
523273	523273~NTP	esre-bla_ch2	Activator	cca	hill
523273	523273~NTP	esre-bla_ratio	Activator	cca	hill
523273	523273~NTP	esre-bla_via	Inactive	cca	cnst
523273	523273~NTP	hre-bla-agonist_ch1	Inactive	cca	cnst
523273	523273~NTP	hre-bla-agonist_ch2	Activator	cca	hill
523273	523273~NTP	hre-bla-agonist_ratio	Activator	cca	hill
523273	523273~NTP	hre-bla-agonist_via	Inactive	cca	cnst
523273	523273~NTP	hse-bla_ch1	Inactive	cca	cnst
523273	523273~NTP	hse-bla_ch2	Activator	cca	hill
523273	523273~NTP	hse-bla_ratio	Activator	cca	hill
523273	523273~NTP	hse-bla_via	Inactive	cca	cnst
523273	523273~NTP	p53-bla_ch1	Inactive	EUC	cnst
523273	523273~NTP	p53-bla_ch2	Activator	EUC	hill
523273	523273~NTP	p53-bla_ratio	Activator	EUC	hill
523273	523273~NTP	p53-bla_via	Inactive	EUC	cnst
5232995	5232995~EPA	are-bla_ch1	Inactive	cca	cnst
5232995	5232995~EPA	are-bla_ch2	Activator	cca	hill
5232995	5232995~EPA	are-bla_ratio	Activator	cca	hill
5232995	5232995~EPA	are-bla_via	Inactive	cca	cnst
5234684	5234684~EPA	are-bla_ch1	Inactive	cca	cnst
5234684	5234684~EPA	are-bla_ch2	Activator	cca	hill
5234684	5234684~EPA	are-bla_ratio	Activator	cca	hill
5234684	5234684~EPA	are-bla_via	Inactive	cca	cnst
523875	523875~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
523875	523875~NTP	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
523875	523875~NTP	ap1-agonist_ratio	Activator	cca	hill
523875	523875~NTP	ap1-agonist_via	Inactive	cca	cnst
52417228	52417228~FDA	are-bla_ch1	Repressor	EUC	gnls.inv
52417228	52417228~FDA	are-bla_ch2	Activator	EUC	gnls
52417228	52417228~FDA	are-bla_ratio	Activator	EUC	gnls
52417228	52417228~FDA	are-bla_via	Repressor	EUC	hill.inv
52417228	52417228~FDA	esre-bla_ch1	Activator	EUC	hill
52417228	52417228~FDA	esre-bla_ch2	Activator	EUC	hill
52417228	52417228~FDA	esre-bla_ratio	Activator	EUC	hill
52417228	52417228~FDA	esre-bla_via	Inactive	EUC	cnst
52417228	52417228~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
52417228	52417228~FDA	hre-bla-agonist_ch2	Activator	cca	hill
52417228	52417228~FDA	hre-bla-agonist_ratio	Activator	cca	hill
52417228	52417228~FDA	hre-bla-agonist_via	Repressor	cca	hill.inv
52417228	52417228~FDA	hse-bla_ch1	Inactive	cca	cnst
52417228	52417228~FDA	hse-bla_ch2	Activator	cca	hill
52417228	52417228~FDA	hse-bla_ratio	Activator	cca	hill
52417228	52417228~FDA	hse-bla_via	Inactive	cca	cnst
52417228	52417228~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
52417228	52417228~FDA	p53-bla_ch2	Activator	EOC	gnls
52417228	52417228~FDA	p53-bla_ratio	Activator	EOC	gnls
52417228	52417228~FDA	p53-bla_via	Inactive	EOC	cnst
52417228	52417228~NTP	are-bla_ch1	Repressor	EUC	hill.inv
52417228	52417228~NTP	are-bla_ch2	Activator	EUC	gnls
52417228	52417228~NTP	are-bla_ratio	Activator	EUC	gnls
52417228	52417228~NTP	are-bla_via	Repressor	EUC	hill.inv
52417228	52417228~NTP	esre-bla_ch1	Activator	EUC	hill
52417228	52417228~NTP	esre-bla_ch2	Activator	EUC	hill
52417228	52417228~NTP	esre-bla_ratio	Activator	EUC	hill
52417228	52417228~NTP	esre-bla_via	Repressor	EUC	hill.inv
52417228	52417228~NTP	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
52417228	52417228~NTP	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
52417228	52417228~NTP	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
52417228	52417228~NTP	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
52417228	52417228~NTP	hse-bla_ch1	Inactive	cca	cnst
52417228	52417228~NTP	hse-bla_ch2	Activator	cca	hill
52417228	52417228~NTP	hse-bla_ratio	Activator	cca	hill
52417228	52417228~NTP	hse-bla_via	Inactive	cca	cnst
52417228	52417228~NTP	nfkb-bla-agonist_ch1	Inactive	EUC	cnst
52417228	52417228~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
52417228	52417228~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
52417228	52417228~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
52417228	52417228~NTP	p53-bla_ch1	Repressor	EOC	gnls.inv
52417228	52417228~NTP	p53-bla_ch2	Activator	EOC	gnls
52417228	52417228~NTP	p53-bla_ratio	Activator	EOC	gnls
52417228	52417228~NTP	p53-bla_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
52468607	52468607~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
52468607	52468607~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
52468607	52468607~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
52468607	52468607~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
52479853	52479853~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
52479853	52479853~EPA	p53-bla_ch2	Activator	EOC	hill
52479853	52479853~EPA	p53-bla_ratio	Activator	EOC	hill
52479853	52479853~EPA	p53-bla_via	Inactive	EOC	cnst
52479853	52479853~NTP	ap1-agonist_ch1	Inactive	POC	cnst
52479853	52479853~NTP	ap1-agonist_ch2	Activator	POC	gnls
52479853	52479853~NTP	ap1-agonist_ratio	Activator	POC	hill
52479853	52479853~NTP	ap1-agonist_via	Inactive	POC	cnst
52479853	52479853~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
52479853	52479853~NTP	p53-bla_ch2	Activator	EOC	hill
52479853	52479853~NTP	p53-bla_ratio	Activator	EOC	hill
52479853	52479853~NTP	p53-bla_via	Inactive	EOC	cnst
52517	52517~EPA	are-bla_ch1	Inactive	cca	cnst
52517	52517~EPA	are-bla_ch2	Activator	cca	hill
52517	52517~EPA	are-bla_ratio	Activator	cca	hill
52517	52517~EPA	are-bla_via	Inactive	cca	cnst
525611	525611~FDA	p53-bla_ch1	Inactive	cca	cnst
525611	525611~FDA	p53-bla_ch2	Activator	cca	hill
525611	525611~FDA	p53-bla_ratio	Activator	cca	hill
525611	525611~FDA	p53-bla_via	Inactive	cca	cnst
525826	525826~EPA	are-bla_ch1	Repressor	cca	hill.inv
525826	525826~EPA	are-bla_ch2	Activator	cca	hill
525826	525826~EPA	are-bla_ratio	Activator	cca	hill
525826	525826~EPA	are-bla_via	Inactive	cca	cnst
525826	525826~FDA	are-bla_ch1	Repressor	cca	hill.inv
525826	525826~FDA	are-bla_ch2	Activator	cca	gnls
525826	525826~FDA	are-bla_ratio	Activator	cca	hill
525826	525826~FDA	are-bla_via	Inactive	cca	cnst
525826	525826~NTP	are-bla_ch1	Repressor	cca	hill.inv
525826	525826~NTP	are-bla_ch2	Activator	cca	hill
525826	525826~NTP	are-bla_ratio	Activator	cca	gnls
525826	525826~NTP	are-bla_via	Inactive	cca	cnst
5259881	5259881~EPA	are-bla_ch1	Complex	cca	gnls.inv
5259881	5259881~EPA	are-bla_ch2	Activator	cca	hill
5259881	5259881~EPA	are-bla_ratio	Activator	cca	hill
5259881	5259881~EPA	are-bla_via	Inactive	cca	cnst
5259881	5259881~EPA	p53-bla_ch1	Repressor	cca	gnls.inv
5259881	5259881~EPA	p53-bla_ch2	Activator	cca	gnls
5259881	5259881~EPA	p53-bla_ratio	Activator	cca	gnls
5259881	5259881~EPA	p53-bla_via	Inactive	cca	cnst
52605524	52605524~FDA	are-bla_ch1	Repressor	cca	hill.inv
52605524	52605524~FDA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
52605524	52605524~FDA	are-bla_ratio	Activator	cca	hill
52605524	52605524~FDA	are-bla_via	Inactive	cca	cnst
52686	52686~EPA	are-bla_ch1	Repressor	rfp	hill.inv
52686	52686~EPA	are-bla_ch2	Inactive	rfp	cnst
52686	52686~EPA	are-bla_ratio	Activator	rfp	hill
52686	52686~EPA	are-bla_via	Inactive	rfp	cnst
52686	52686~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
52686	52686~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
52686	52686~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
52686	52686~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
52686	52686~NTP	are-bla_ch1	Repressor	cca	hill.inv
52686	52686~NTP	are-bla_ch2	Activator	cca	hill
52686	52686~NTP	are-bla_ratio	Activator	cca	hill
52686	52686~NTP	are-bla_via	Inactive	cca	cnst
52686	52686~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
52686	52686~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
52686	52686~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
52686	52686~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
52756226	52756226~EPA	are-bla_ch1	Inactive	cca	cnst
52756226	52756226~EPA	are-bla_ch2	Activator	cca	hill
52756226	52756226~EPA	are-bla_ratio	Activator	cca	hill
52756226	52756226~EPA	are-bla_via	Inactive	cca	cnst
52766	52766~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
52766	52766~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
52766	52766~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
52766	52766~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
52766	52766~EPA	are-bla_ch1	Repressor	EUC	hill.inv
52766	52766~EPA	are-bla_ch2	Activator	EUC	gnls
52766	52766~EPA	are-bla_ratio	Activator	EUC	gnls
52766	52766~EPA	are-bla_via	Repressor	EUC	hill.inv
52766	52766~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
52766	52766~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
52766	52766~EPA	esre-bla_ratio	Activator	rfp	hill
52766	52766~EPA	esre-bla_via	Repressor	rfp	hill.inv
52766	52766~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
52766	52766~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
52766	52766~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
52766	52766~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
52766	52766~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
52766	52766~EPA	hse-bla_ch2	Inactive	rfp	cnst
52766	52766~EPA	hse-bla_ratio	Activator	rfp	hill
52766	52766~EPA	hse-bla_via	Repressor	rfp	hill.inv
52766	52766~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
52766	52766~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
52766	52766~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
52766	52766~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
52766	52766~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
52766	52766~EPA	p53-bla_ch2	Inactive	rfp	cnst
52766	52766~EPA	p53-bla_ratio	Activator	rfp	hill
52766	52766~EPA	p53-bla_via	Repressor	rfp	hill.inv
52766	52766~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
52766	52766~FDA	ap1-agonist_ch2	Activator	cca	gnls
52766	52766~FDA	ap1-agonist_ratio	Activator	cca	gnls
52766	52766~FDA	ap1-agonist_via	Repressor	cca	hill.inv
52766	52766~FDA	are-bla_ch1	Inactive	rfn	cnst
52766	52766~FDA	are-bla_ch2	Activator	rfn	hill
52766	52766~FDA	are-bla_ratio	Inactive	rfn	cnst
52766	52766~FDA	are-bla_via	Inactive	rfn	cnst
52766	52766~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
52766	52766~FDA	esre-bla_ch2	Inactive	rfp	cnst
52766	52766~FDA	esre-bla_ratio	Activator	rfp	hill
52766	52766~FDA	esre-bla_via	Repressor	rfp	hill.inv
52806538	52806538~EPA	are-bla_ch1	Inactive	cca	cnst
52806538	52806538~EPA	are-bla_ch2	Activator	cca	hill
52806538	52806538~EPA	are-bla_ratio	Activator	cca	hill
52806538	52806538~EPA	are-bla_via	Inactive	cca	cnst
52806538	52806538~NTP	are-bla_ch1	Inactive	cca	cnst
52806538	52806538~NTP	are-bla_ch2	Activator	cca	hill
52806538	52806538~NTP	are-bla_ratio	Activator	cca	hill
52806538	52806538~NTP	are-bla_via	Inactive	cca	cnst
5281049	5281049~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
5281049	5281049~NTP	ap1-agonist_ch2	Activator	EOC	hill
5281049	5281049~NTP	ap1-agonist_ratio	Activator	EOC	hill
5281049	5281049~NTP	ap1-agonist_via	Inactive	EOC	cnst
528290	528290~EPA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
528290	528290~EPA	are-bla_ch2	Activator	EOC/PUC	hill
528290	528290~EPA	are-bla_ratio	Activator	EOC/PUC	gnls
528290	528290~EPA	are-bla_via	Inactive	EOC/PUC	cnst
528290	528290~NTP	are-bla_ch1	Repressor	cca	hill.inv
528290	528290~NTP	are-bla_ch2	Activator	cca	gnls
528290	528290~NTP	are-bla_ratio	Activator	cca	gnls
528290	528290~NTP	are-bla_via	Repressor	cca	hill.inv
52918635	52918635~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
52918635	52918635~EPA	hse-bla_ch2	Inactive	rfp	cnst
52918635	52918635~EPA	hse-bla_ratio	Activator	rfp	hill
52918635	52918635~EPA	hse-bla_via	Inactive	rfp	cnst
52918635	52918635~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
52918635	52918635~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
52918635	52918635~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
52918635	52918635~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
529204	529204~EPA	are-bla_ch1	Inactive	cca	cnst
529204	529204~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
529204	529204~EPA	are-bla_ratio	Activator	cca	hill
529204	529204~EPA	are-bla_via	Inactive	cca	cnst
5307142	5307142~EPA	are-bla_ch1	Repressor	EOC	hill.inv
5307142	5307142~EPA	are-bla_ch2	Activator	EOC	hill
5307142	5307142~EPA	are-bla_ratio	Activator	EOC	gnls
5307142	5307142~EPA	are-bla_via	Inactive	EOC	cnst
5307142	5307142~FDA	are-bla_ch1	Repressor	cca	hill.inv
5307142	5307142~FDA	are-bla_ch2	Activator	cca	hill
5307142	5307142~FDA	are-bla_ratio	Activator	cca	hill
5307142	5307142~FDA	are-bla_via	Inactive	cca	cnst
5307142	5307142~NTP	are-bla_ch1	Repressor	cca	hill.inv
5307142	5307142~NTP	are-bla_ch2	Activator	cca	gnls
5307142	5307142~NTP	are-bla_ratio	Activator	cca	gnls
5307142	5307142~NTP	are-bla_via	Inactive	cca	cnst
5307142	5307142~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
5307142	5307142~NTP	p53-bla_ch2	Inactive	rfp	cnst
5307142	5307142~NTP	p53-bla_ratio	Activator	rfp	hill
5307142	5307142~NTP	p53-bla_via	Inactive	rfp	cnst
530789	530789~EPA	are-bla_ch1	Inactive	EUC	cnst
530789	530789~EPA	are-bla_ch2	Activator	EUC	hill
530789	530789~EPA	are-bla_ratio	Activator	EUC	hill
530789	530789~EPA	are-bla_via	Inactive	EUC	cnst
53123889	53123889~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
53123889	53123889~FDA	p53-bla_ch2	Inactive	rfp	cnst
53123889	53123889~FDA	p53-bla_ratio	Activator	rfp	hill
53123889	53123889~FDA	p53-bla_via	Repressor	rfp	hill.inv
53152219	53152219~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
53152219	53152219~FDA	ap1-agonist_ch2	Activator	EOC	gnls
53152219	53152219~FDA	ap1-agonist_ratio	Activator	EOC	gnls
53152219	53152219~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
53152219	53152219~FDA	are-bla_ch1	Repressor	cca	hill.inv
53152219	53152219~FDA	are-bla_ch2	Activator	cca	gnls
53152219	53152219~FDA	are-bla_ratio	Activator	cca	gnls
53152219	53152219~FDA	are-bla_via	Repressor	cca	hill.inv
53152219	53152219~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
53152219	53152219~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
53152219	53152219~FDA	esre-bla_ratio	Activator	rfp	hill
53152219	53152219~FDA	esre-bla_via	Repressor	rfp	hill.inv
53152219	53152219~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
53152219	53152219~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
53152219	53152219~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
53152219	53152219~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
53152219	53152219~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
53152219	53152219~FDA	hse-bla_ch2	Inactive	rfp	cnst
53152219	53152219~FDA	hse-bla_ratio	Activator	rfp	hill
53152219	53152219~FDA	hse-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
53152219	53152219~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
53152219	53152219~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
53152219	53152219~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
53152219	53152219~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
53152219	53152219~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
53152219	53152219~FDA	p53-bla_ch2	Inactive	rfp	cnst
53152219	53152219~FDA	p53-bla_ratio	Activator	rfp	hill
53152219	53152219~FDA	p53-bla_via	Repressor	rfp	hill.inv
5315797	5315797~EPA	are-bla_ch1	Inactive	cca	cnst
5315797	5315797~EPA	are-bla_ch2	Activator	cca	hill
5315797	5315797~EPA	are-bla_ratio	Activator	cca	hill
5315797	5315797~EPA	are-bla_via	Inactive	cca	cnst
531759	531759~FDA	p53-bla_ch1	Inactive	EUC	cnst
531759	531759~FDA	p53-bla_ch2	Activator	EUC	hill
531759	531759~FDA	p53-bla_ratio	Activator	EUC	hill
531759	531759~FDA	p53-bla_via	Inactive	EUC	cnst
53179070	53179070~FDA	ap1-agonist_ch1	Inactive	cca	cnst
53179070	53179070~FDA	ap1-agonist_ch2	Activator	cca	hill
53179070	53179070~FDA	ap1-agonist_ratio	Activator	cca	hill
53179070	53179070~FDA	ap1-agonist_via	Inactive	cca	cnst
53190	53190~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
53190	53190~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
53190	53190~EPA	ap1-agonist_ratio	Activator	rfp	hill
53190	53190~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
53190	53190~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
53190	53190~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
53190	53190~EPA	esre-bla_ratio	Activator	rfp	hill
53190	53190~EPA	esre-bla_via	Repressor	rfp	hill.inv
53190	53190~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
53190	53190~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
53190	53190~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
53190	53190~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
53190	53190~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
53190	53190~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
53190	53190~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
53190	53190~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
53190	53190~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
53190	53190~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
53190	53190~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
53190	53190~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
53190	53190~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
53190	53190~FDA	ap1-agonist_ch2	Activator	cca	gnls
53190	53190~FDA	ap1-agonist_ratio	Activator	cca	hill
53190	53190~FDA	ap1-agonist_via	Repressor	cca	hill.inv
53190	53190~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
53190	53190~FDA	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
53190	53190~FDA	p53-bla_ratio	Activator	rfp	hill
53190	53190~FDA	p53-bla_via	Repressor	rfp	hill.inv
532116	532116~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
532116	532116~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
532116	532116~FDA	ap1-agonist_ratio	Activator	rfp	hill
532116	532116~FDA	ap1-agonist_via	Inactive	rfp	cnst
532116	532116~FDA	are-bla_ch1	Inactive	cca	cnst
532116	532116~FDA	are-bla_ch2	Activator	cca	hill
532116	532116~FDA	are-bla_ratio	Activator	cca	hill
532116	532116~FDA	are-bla_via	Inactive	cca	cnst
532274	532274~EPA	are-bla_ch1	Inactive	EUC	cnst
532274	532274~EPA	are-bla_ch2	Activator	EUC	hill
532274	532274~EPA	are-bla_ratio	Activator	EUC	hill
532274	532274~EPA	are-bla_via	Inactive	EUC	cnst
532274	532274~NTP	are-bla_ch1	Repressor	cca	hill.inv
532274	532274~NTP	are-bla_ch2	Activator	cca	hill
532274	532274~NTP	are-bla_ratio	Activator	cca	hill
532274	532274~NTP	are-bla_via	Inactive	cca	cnst
532821	532821~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
532821	532821~NTP	are-bla_ch2	Activator	EOC/PUC	hill
532821	532821~NTP	are-bla_ratio	Activator	EOC/PUC	hill
532821	532821~NTP	are-bla_via	Inactive	EOC/PUC	cnst
53370904	53370904~FDA	are-bla_ch1	Inactive	EUC	cnst
53370904	53370904~FDA	are-bla_ch2	Activator	EUC	hill
53370904	53370904~FDA	are-bla_ratio	Activator	EUC	hill
53370904	53370904~FDA	are-bla_via	Inactive	EUC	cnst
533744	533744~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
533744	533744~EPA	ap1-agonist_ch2	Activator	cca	gnls
533744	533744~EPA	ap1-agonist_ratio	Activator	cca	gnls
533744	533744~EPA	ap1-agonist_via	Activator	cca	hill
533744	533744~EPA	are-bla_ch1	Inactive	EUC	cnst
533744	533744~EPA	are-bla_ch2	Activator	EUC	hill
533744	533744~EPA	are-bla_ratio	Activator	EUC	hill
533744	533744~EPA	are-bla_via	Repressor	EUC	hill.inv
533744	533744~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
533744	533744~EPA	hse-bla_ch2	Activator	PUC	gnls
533744	533744~EPA	hse-bla_ratio	Activator	PUC	hill
533744	533744~EPA	hse-bla_via	Repressor	PUC	hill.inv
533744	533744~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
533744	533744~NTP	ap1-agonist_ch2	Activator	EOC	gnls
533744	533744~NTP	ap1-agonist_ratio	Activator	EOC	gnls
533744	533744~NTP	ap1-agonist_via	Activator	EOC	hill
533744	533744~NTP	are-bla_ch1	Inactive	EUC	cnst
533744	533744~NTP	are-bla_ch2	Activator	EUC	gnls
533744	533744~NTP	are-bla_ratio	Activator	EUC	gnls
533744	533744~NTP	are-bla_via	Repressor	EUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
533744	533744~NTP	hse-bla_ch1	Repressor	cca	hill.inv
533744	533744~NTP	hse-bla_ch2	Activator	cca	gnls
533744	533744~NTP	hse-bla_ratio	Activator	cca	hill
533744	533744~NTP	hse-bla_via	Complex	cca	gnls.inv
533755	533755~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
533755	533755~NTP	ap1-agonist_ch2	Activator	cca	gnls
533755	533755~NTP	ap1-agonist_ratio	Activator	cca	gnls
533755	533755~NTP	ap1-agonist_via	Inactive	cca	cnst
533755	533755~NTP	hse-bla_ch1	Inactive	rfp	cnst
533755	533755~NTP	hse-bla_ch2	Inactive	rfp	cnst
533755	533755~NTP	hse-bla_ratio	Activator	rfp	hill
533755	533755~NTP	hse-bla_via	Repressor	rfp	hill.inv
534076	534076~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
534076	534076~EPA	ap1-agonist_ch2	Activator	cca	gnls
534076	534076~EPA	ap1-agonist_ratio	Activator	cca	gnls
534076	534076~EPA	ap1-agonist_via	Inactive	cca	cnst
534076	534076~EPA	are-bla_ch1	Repressor	EUC	hill.inv
534076	534076~EPA	are-bla_ch2	Activator	EUC	gnls
534076	534076~EPA	are-bla_ratio	Activator	EUC	gnls
534076	534076~EPA	are-bla_via	Repressor	EUC	hill.inv
534076	534076~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
534076	534076~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
534076	534076~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
534076	534076~EPA	hre-bla-agonist_via	Repressor	rfp	gnls.inv
534076	534076~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
534076	534076~EPA	hse-bla_ch2	Inactive	rfp	cnst
534076	534076~EPA	hse-bla_ratio	Activator	rfp	hill
534076	534076~EPA	hse-bla_via	Repressor	rfp	hill.inv
534076	534076~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
534076	534076~NTP	ap1-agonist_ch2	Activator	cca	gnls
534076	534076~NTP	ap1-agonist_ratio	Activator	cca	hill
534076	534076~NTP	ap1-agonist_via	Inactive	cca	cnst
534076	534076~NTP	are-bla_ch1	Inactive	EUC	cnst
534076	534076~NTP	are-bla_ch2	Activator	EUC	gnls
534076	534076~NTP	are-bla_ratio	Activator	EUC	gnls
534076	534076~NTP	are-bla_via	Inactive	EUC	cnst
534076	534076~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
534076	534076~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
534076	534076~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
534076	534076~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
534225	534225~NTP	are-bla_ch1	Inactive	cca	cnst
534225	534225~NTP	are-bla_ch2	Activator	cca	hill
534225	534225~NTP	are-bla_ratio	Activator	cca	hill
534225	534225~NTP	are-bla_via	Inactive	cca	cnst
53430	53430~EPA	are-bla_ch1	Inactive	cca	cnst
53430	53430~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
53430	53430~EPA	are-bla_ratio	Activator	cca	hill
53430	53430~EPA	are-bla_via	Inactive	cca	cnst
534521	534521~EPA	are-bla_ch1	Inactive	EUC	cnst
534521	534521~EPA	are-bla_ch2	Activator	EUC	hill
534521	534521~EPA	are-bla_ratio	Activator	EUC	hill
534521	534521~EPA	are-bla_via	Inactive	EUC	cnst
534521	534521~FDA	are-bla_ch1	Inactive	cca	cnst
534521	534521~FDA	are-bla_ch2	Activator	cca	hill
534521	534521~FDA	are-bla_ratio	Activator	cca	hill
534521	534521~FDA	are-bla_via	Inactive	cca	cnst
534521	534521~NTP	are-bla_ch1	Inactive	cca	cnst
534521	534521~NTP	are-bla_ch2	Activator	cca	hill
534521	534521~NTP	are-bla_ratio	Activator	cca	hill
534521	534521~NTP	are-bla_via	Repressor	cca	hill.inv
534850	534850~NTP	are-bla_ch1	Repressor	PUC	gnls.inv
534850	534850~NTP	are-bla_ch2	Activator	PUC	hill
534850	534850~NTP	are-bla_ratio	Activator	PUC	gnls
534850	534850~NTP	are-bla_via	Inactive	PUC	cnst
534850	534850~NTP	hse-bla_ch1	Inactive	cca	cnst
534850	534850~NTP	hse-bla_ch2	Activator	cca	hill
534850	534850~NTP	hse-bla_ratio	Activator	cca	hill
534850	534850~NTP	hse-bla_via	Inactive	cca	cnst
53601	53601~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
53601	53601~FDA	ap1-agonist_ch2	Activator	cca	gnls
53601	53601~FDA	ap1-agonist_ratio	Activator	cca	hill
53601	53601~FDA	ap1-agonist_via	Inactive	cca	cnst
536436	536436~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
536436	536436~FDA	ap1-agonist_ch2	Activator	cca	gnls
536436	536436~FDA	ap1-agonist_ratio	Activator	cca	gnls
536436	536436~FDA	ap1-agonist_via	Inactive	cca	cnst
536436	536436~FDA	are-bla_ch1	Repressor	EOC	hill.inv
536436	536436~FDA	are-bla_ch2	Activator	EOC	gnls
536436	536436~FDA	are-bla_ratio	Activator	EOC	gnls
536436	536436~FDA	are-bla_via	Repressor	EOC	hill.inv
536903	536903~NTP	are-bla_ch1	Inactive	cca	cnst
536903	536903~NTP	are-bla_ch2	Activator	cca	gnls
536903	536903~NTP	are-bla_ratio	Activator	cca	hill
536903	536903~NTP	are-bla_via	Inactive	cca	cnst
53703	53703~EPA	are-bla_ch1	Repressor	EUC	hill.inv
53703	53703~EPA	are-bla_ch2	Activator	EUC	hill
53703	53703~EPA	are-bla_ratio	Activator	EUC	hill
53703	53703~EPA	are-bla_via	Inactive	EUC	cnst
53703	53703~EPA	esre-bla_ch1	Inactive	cca	cnst
53703	53703~EPA	esre-bla_ch2	Activator	cca	hill
53703	53703~EPA	esre-bla_ratio	Activator	cca	hill
53703	53703~EPA	esre-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
53703	53703~NTP	are-bla_ch1	Repressor	EUC/POC	gnls.inv
53703	53703~NTP	are-bla_ch2	Activator	EUC/POC	hill
53703	53703~NTP	are-bla_ratio	Activator	EUC/POC	hill
53703	53703~NTP	are-bla_via	Inactive	EUC/POC	cnst
53703	53703~NTP	esre-bla_ch1	Inactive	EUC	cnst
53703	53703~NTP	esre-bla_ch2	Activator	EUC	hill
53703	53703~NTP	esre-bla_ratio	Activator	EUC	hill
53703	53703~NTP	esre-bla_via	Inactive	EUC	cnst
53716500	53716500~EPA	p53-bla_ch1	Repressor	EUC	hill.inv
53716500	53716500~EPA	p53-bla_ch2	Activator	EUC	hill
53716500	53716500~EPA	p53-bla_ratio	Activator	EUC	hill
53716500	53716500~EPA	p53-bla_via	Inactive	EUC	cnst
53716500	53716500~FDA	p53-bla_ch1	Repressor	cca	hill.inv
53716500	53716500~FDA	p53-bla_ch2	Activator	cca	hill
53716500	53716500~FDA	p53-bla_ratio	Activator	cca	hill
53716500	53716500~FDA	p53-bla_via	Inactive	cca	cnst
53772820	53772820~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
53772820	53772820~FDA	ap1-agonist_ch2	Activator	cca	gnls
53772820	53772820~FDA	ap1-agonist_ratio	Activator	cca	hill
53772820	53772820~FDA	ap1-agonist_via	Repressor	cca	hill.inv
53772820	53772820~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
53772820	53772820~FDA	esre-bla_ch2	Inactive	rfp	cnst
53772820	53772820~FDA	esre-bla_ratio	Activator	rfp	hill
53772820	53772820~FDA	esre-bla_via	Repressor	rfp	hill.inv
53786451	53786451~FDA	are-bla_ch1	Repressor	cca	hill.inv
53786451	53786451~FDA	are-bla_ch2	Activator	cca	hill
53786451	53786451~FDA	are-bla_ratio	Activator	cca	hill
53786451	53786451~FDA	are-bla_via	Inactive	cca	cnst
53786451	53786451~FDA	hse-bla_ch1	Repressor	cca	hill.inv
53786451	53786451~FDA	hse-bla_ch2	Activator	cca	hill
53786451	53786451~FDA	hse-bla_ratio	Activator	cca	hill
53786451	53786451~FDA	hse-bla_via	Inactive	cca	cnst
53786462	53786462~FDA	are-bla_ch1	Repressor	cca	hill.inv
53786462	53786462~FDA	are-bla_ch2	Activator	cca	gnls
53786462	53786462~FDA	are-bla_ratio	Activator	cca	gnls
53786462	53786462~FDA	are-bla_via	Inactive	cca	cnst
538410	538410~NTP	are-bla_ch1	Repressor	EOC	hill.inv
538410	538410~NTP	are-bla_ch2	Activator	EOC	hill
538410	538410~NTP	are-bla_ratio	Activator	EOC	hill
538410	538410~NTP	are-bla_via	Inactive	EOC	cnst
538716	538716~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
538716	538716~FDA	ap1-agonist_ch2	Activator	PUC	gnls
538716	538716~FDA	ap1-agonist_ratio	Activator	PUC	hill
538716	538716~FDA	ap1-agonist_via	Repressor	PUC	hill.inv
538716	538716~FDA	are-bla_ch1	Repressor	rfn	hill.inv
538716	538716~FDA	are-bla_ch2	Activator	rfn	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
538716	538716~FDA	are-bla_ratio	Inactive	rfn	cnst
538716	538716~FDA	are-bla_via	Repressor	rfn	hill.inv
538716	538716~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
538716	538716~FDA	p53-bla_ch2	Inactive	rfp	cnst
538716	538716~FDA	p53-bla_ratio	Activator	rfp	hill
538716	538716~FDA	p53-bla_via	Repressor	rfp	hill.inv
538716	538716~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
538716	538716~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
538716	538716~NTP	ap1-agonist_ratio	Activator	rfp	hill
538716	538716~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
538716	538716~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
538716	538716~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
538716	538716~NTP	esre-bla_ratio	Activator	rfp	hill
538716	538716~NTP	esre-bla_via	Repressor	rfp	hill.inv
538716	538716~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
538716	538716~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
538716	538716~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
538716	538716~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
538716	538716~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
538716	538716~NTP	hse-bla_ch2	Inactive	rfp	cnst
538716	538716~NTP	hse-bla_ratio	Activator	rfp	hill
538716	538716~NTP	hse-bla_via	Repressor	rfp	hill.inv
538716	538716~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
538716	538716~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
538716	538716~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
538716	538716~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
538716	538716~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
538716	538716~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
538716	538716~NTP	p53-bla_ratio	Activator	rfp	hill
538716	538716~NTP	p53-bla_via	Repressor	rfp	hill.inv
538750	538750~EPA	are-bla_ch1	Activator	cca	hill
538750	538750~EPA	are-bla_ch2	Activator	cca	gnls
538750	538750~EPA	are-bla_ratio	Activator	cca	gnls
538750	538750~EPA	are-bla_via	Repressor	cca	hill.inv
538750	538750~EPA	esre-bla_ch1	Activator	rfn	hill
538750	538750~EPA	esre-bla_ch2	Activator	rfn	gnls
538750	538750~EPA	esre-bla_ratio	Inactive	rfn	cnst
538750	538750~EPA	esre-bla_via	Inactive	rfn	cnst
538750	538750~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
538750	538750~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
538750	538750~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
538750	538750~EPA	hre-bla-agonist_via	Activator	rfp	gnls
538750	538750~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
538750	538750~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
538750	538750~EPA	p53-bla_ratio	Activator	rfp	hill
538750	538750~EPA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
538750	538750~NTP	are-bla_ch1	Activator	cca	hill
538750	538750~NTP	are-bla_ch2	Activator	cca	gnls
538750	538750~NTP	are-bla_ratio	Activator	cca	gnls
538750	538750~NTP	are-bla_via	Repressor	cca	hill.inv
538750	538750~NTP	esre-bla_ch1	Activator	rfn	hill
538750	538750~NTP	esre-bla_ch2	Activator	rfn	gnls
538750	538750~NTP	esre-bla_ratio	Inactive	rfn	cnst
538750	538750~NTP	esre-bla_via	Inactive	rfn	cnst
538750	538750~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
538750	538750~NTP	p53-bla_ch2	Inactive	rfp	cnst
538750	538750~NTP	p53-bla_ratio	Activator	rfp	hill
538750	538750~NTP	p53-bla_via	Repressor	rfp	hill.inv
5392289	5392289~NTP	esre-bla_ch1	Inactive	EUC	cnst
5392289	5392289~NTP	esre-bla_ch2	Activator	EUC	hill
5392289	5392289~NTP	esre-bla_ratio	Activator	EUC	hill
5392289	5392289~NTP	esre-bla_via	Inactive	EUC	cnst
53963	53963~NTP	are-bla_ch1	Inactive	cca	cnst
53963	53963~NTP	are-bla_ch2	Activator	cca	hill
53963	53963~NTP	are-bla_ratio	Activator	cca	hill
53963	53963~NTP	are-bla_via	Inactive	cca	cnst
5397319	5397319~NTP	ap1-agonist_ch1	Inactive	cca	cnst
5397319	5397319~NTP	ap1-agonist_ch2	Activator	cca	hill
5397319	5397319~NTP	ap1-agonist_ratio	Activator	cca	hill
5397319	5397319~NTP	ap1-agonist_via	Inactive	cca	cnst
54029457	54029457~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
54029457	54029457~NTP	ap1-agonist_ch2	Activator	cca	gnls
54029457	54029457~NTP	ap1-agonist_ratio	Activator	cca	gnls
54029457	54029457~NTP	ap1-agonist_via	Inactive	cca	cnst
540512	540512~NTP	are-bla_ch1	Inactive	cca	cnst
540512	540512~NTP	are-bla_ch2	Activator	cca	gnls
540512	540512~NTP	are-bla_ratio	Activator	cca	gnls
540512	540512~NTP	are-bla_via	Inactive	cca	cnst
54063535	54063535~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
54063535	54063535~FDA	ap1-agonist_ch2	Activator	cca	hill
54063535	54063535~FDA	ap1-agonist_ratio	Activator	cca	hill
54063535	54063535~FDA	ap1-agonist_via	Inactive	cca	cnst
5412373	5412373~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
5412373	5412373~FDA	p53-bla_ch2	Inactive	rfp	cnst
5412373	5412373~FDA	p53-bla_ratio	Activator	rfp	hill
5412373	5412373~FDA	p53-bla_via	Repressor	rfp	hill.inv
541537	541537~EPA	ap1-agonist_ch1	Inactive	cca	cnst
541537	541537~EPA	ap1-agonist_ch2	Activator	cca	hill
541537	541537~EPA	ap1-agonist_ratio	Activator	cca	hill
541537	541537~EPA	ap1-agonist_via	Inactive	cca	cnst
541537	541537~EPA	hse-bla_ch1	Repressor	cca	hill.inv
541537	541537~EPA	hse-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
541537	541537~EPA	hse-bla_ratio	Activator	cca	hill
541537	541537~EPA	hse-bla_via	Inactive	cca	cnst
541593	541593~NTP	esre-bla_ch1	Repressor	EOC	hill.inv
541593	541593~NTP	esre-bla_ch2	Activator	EOC	hill
541593	541593~NTP	esre-bla_ratio	Activator	EOC	hill
541593	541593~NTP	esre-bla_via	Repressor	EOC	hill.inv
541593	541593~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
541593	541593~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
541593	541593~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
541593	541593~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
541593	541593~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
541593	541593~NTP	hse-bla_ch2	Activator	EOC	hill
541593	541593~NTP	hse-bla_ratio	Activator	EOC	hill
541593	541593~NTP	hse-bla_via	Repressor	EOC	hill.inv
541593	541593~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
541593	541593~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
541593	541593~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
541593	541593~NTP	nfkb-bla-agonist_via	Inactive	rfp	cnst
541593	541593~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
541593	541593~NTP	p53-bla_ch2	Activator	EOC	hill
541593	541593~NTP	p53-bla_ratio	Activator	EOC	hill
541593	541593~NTP	p53-bla_via	Inactive	EOC	cnst
5421465	5421465~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
5421465	5421465~NTP	ap1-agonist_ch2	Activator	cca	hill
5421465	5421465~NTP	ap1-agonist_ratio	Activator	cca	gnls
5421465	5421465~NTP	ap1-agonist_via	Inactive	cca	cnst
5424373	5424373~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
5424373	5424373~FDA	ap1-agonist_ch2	Activator	EOC	hill
5424373	5424373~FDA	ap1-agonist_ratio	Activator	EOC	hill
5424373	5424373~FDA	ap1-agonist_via	Inactive	EOC	cnst
54301154	54301154~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
54301154	54301154~FDA	p53-bla_ch2	Activator	EOC	gnls
54301154	54301154~FDA	p53-bla_ratio	Activator	EOC	hill
54301154	54301154~FDA	p53-bla_via	Repressor	EOC	hill.inv
54350480	54350480~FDA	are-bla_ch1	Activator	rfn	hill
54350480	54350480~FDA	are-bla_ch2	Activator	rfn	gnls.inv
54350480	54350480~FDA	are-bla_ratio	Inactive	rfn	cnst
54350480	54350480~FDA	are-bla_via	Inactive	rfn	cnst
54350480	54350480~FDA	esre-bla_ch1	Activator	EUC	hill
54350480	54350480~FDA	esre-bla_ch2	Activator	EUC	hill
54350480	54350480~FDA	esre-bla_ratio	Activator	EUC	hill
54350480	54350480~FDA	esre-bla_via	Inactive	EUC	cnst
54350480	54350480~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
54350480	54350480~FDA	hre-bla-agonist_ch2	Activator	cca	hill
54350480	54350480~FDA	hre-bla-agonist_ratio	Activator	cca	hill
54350480	54350480~FDA	hre-bla-agonist_via	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
54350480	54350480~FDA	hse-bla_ch1	Activator	cca	hill
54350480	54350480~FDA	hse-bla_ch2	Activator	cca	hill
54350480	54350480~FDA	hse-bla_ratio	Activator	cca	hill
54350480	54350480~FDA	hse-bla_via	Inactive	cca	cnst
54350480	54350480~FDA	p53-bla_ch1	Activator	EUC	hill
54350480	54350480~FDA	p53-bla_ch2	Activator	EUC	hill
54350480	54350480~FDA	p53-bla_ratio	Activator	EUC	hill
54350480	54350480~FDA	p53-bla_via	Inactive	EUC	cnst
5437456	5437456~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
5437456	5437456~EPA	ap1-agonist_ch2	Activator	EOC	hill
5437456	5437456~EPA	ap1-agonist_ratio	Activator	EOC	hill
5437456	5437456~EPA	ap1-agonist_via	Inactive	EOC	cnst
5444757	5444757~EPA	ap1-agonist_ch1	Inactive	cca	cnst
5444757	5444757~EPA	ap1-agonist_ch2	Activator	cca	gnls
5444757	5444757~EPA	ap1-agonist_ratio	Activator	cca	gnls
5444757	5444757~EPA	ap1-agonist_via	Inactive	cca	cnst
544923	544923~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
544923	544923~NTP	ap1-agonist_ch2	Activator	cca	hill
544923	544923~NTP	ap1-agonist_ratio	Activator	cca	hill
544923	544923~NTP	ap1-agonist_via	Inactive	cca	cnst
54527843	54527843~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54527843	54527843~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
54527843	54527843~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
54527843	54527843~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
54533867	54533867~FDA	are-bla_ch1	Inactive	cca	cnst
54533867	54533867~FDA	are-bla_ch2	Activator	cca	hill
54533867	54533867~FDA	are-bla_ratio	Activator	cca	hill
54533867	54533867~FDA	are-bla_via	Inactive	cca	cnst
54556988	54556988~FDA	ap1-agonist_ch1	Inactive	cca	cnst
54556988	54556988~FDA	ap1-agonist_ch2	Activator	cca	hill
54556988	54556988~FDA	ap1-agonist_ratio	Activator	cca	hill
54556988	54556988~FDA	ap1-agonist_via	Inactive	cca	cnst
54573750	54573750~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
54573750	54573750~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
54573750	54573750~FDA	p53-bla_ratio	Activator	rfp	hill
54573750	54573750~FDA	p53-bla_via	Repressor	rfp	hill.inv
54574822	54574822~NTP	are-bla_ch1	Repressor	EOC	hill.inv
54574822	54574822~NTP	are-bla_ch2	Activator	EOC	gnls
54574822	54574822~NTP	are-bla_ratio	Activator	EOC	gnls
54574822	54574822~NTP	are-bla_via	Repressor	EOC	hill.inv
54574822	54574822~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
54574822	54574822~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
54574822	54574822~NTP	p53-bla_ratio	Activator	rfp	hill
54574822	54574822~NTP	p53-bla_via	Repressor	rfp	hill.inv
54593838	54593838~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
54593838	54593838~EPA	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
54593838	54593838~EPA	p53-bla_ratio	Activator	rfp	hill
54593838	54593838~EPA	p53-bla_via	Inactive	rfp	cnst
54626	54626~EPA	are-bla_ch1	Activator	EUC/POC	hill
54626	54626~EPA	are-bla_ch2	Activator	EUC/POC	gnls
54626	54626~EPA	are-bla_ratio	Activator	EUC/POC	gnls
54626	54626~EPA	are-bla_via	Repressor	EUC/POC	hill.inv
54626	54626~EPA	esre-bla_ch1	Inactive	EOC	cnst
54626	54626~EPA	esre-bla_ch2	Activator	EOC	hill
54626	54626~EPA	esre-bla_ratio	Activator	EOC	hill
54626	54626~EPA	esre-bla_via	Inactive	EOC	cnst
54626	54626~EPA	hre-bla-agonist_ch1	Activator	cca	hill
54626	54626~EPA	hre-bla-agonist_ch2	Activator	cca	hill
54626	54626~EPA	hre-bla-agonist_ratio	Activator	cca	hill
54626	54626~EPA	hre-bla-agonist_via	Inactive	cca	cnst
54626	54626~EPA	hse-bla_ch1	Inactive	cca	cnst
54626	54626~EPA	hse-bla_ch2	Activator	cca	hill
54626	54626~EPA	hse-bla_ratio	Activator	cca	hill
54626	54626~EPA	hse-bla_via	Inactive	cca	cnst
54626	54626~EPA	nfkb-bla-agonist_ch1	Activator	EUC	hill
54626	54626~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
54626	54626~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
54626	54626~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst
54626	54626~EPA	p53-bla_ch1	Repressor	cca	gnls.inv
54626	54626~EPA	p53-bla_ch2	Activator	cca	hill
54626	54626~EPA	p53-bla_ratio	Activator	cca	hill
54626	54626~EPA	p53-bla_via	Repressor	cca	hill.inv
54646387	54646387~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
54646387	54646387~FDA	p53-bla_ch2	Inactive	rfp	cnst
54646387	54646387~FDA	p53-bla_ratio	Activator	rfp	hill
54646387	54646387~FDA	p53-bla_via	Inactive	rfp	cnst
54648	54648~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
54648	54648~EPA	ap1-agonist_ch2	Activator	PUC	gnls
54648	54648~EPA	ap1-agonist_ratio	Activator	PUC	hill
54648	54648~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
54648	54648~EPA	are-bla_ch1	Repressor	PUC	hill.inv
54648	54648~EPA	are-bla_ch2	Activator	PUC	gnls
54648	54648~EPA	are-bla_ratio	Activator	PUC	gnls
54648	54648~EPA	are-bla_via	Repressor	PUC	hill.inv
54648	54648~EPA	esre-bla_ch1	Complex	EOC	gnls
54648	54648~EPA	esre-bla_ch2	Activator	EOC	gnls
54648	54648~EPA	esre-bla_ratio	Activator	EOC	gnls.inv
54648	54648~EPA	esre-bla_via	Repressor	EOC	hill.inv
54648	54648~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54648	54648~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
54648	54648~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
54648	54648~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
54648	54648~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
54648	54648~EPA	hse-bla_ch2	Activator	PUC	gnls
54648	54648~EPA	hse-bla_ratio	Activator	PUC	gnls
54648	54648~EPA	hse-bla_via	Repressor	PUC	hill.inv
54648	54648~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
54648	54648~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
54648	54648~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
54648	54648~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
54648	54648~EPA	p53-bla_ch1	Repressor	PUC	gnls.inv
54648	54648~EPA	p53-bla_ch2	Activator	PUC	gnls
54648	54648~EPA	p53-bla_ratio	Activator	PUC	gnls
54648	54648~EPA	p53-bla_via	Repressor	PUC	hill.inv
54648	54648~FDA	ap1-agonist_ch1	Repressor	PUC	hill.inv
54648	54648~FDA	ap1-agonist_ch2	Activator	PUC	gnls
54648	54648~FDA	ap1-agonist_ratio	Activator	PUC	hill
54648	54648~FDA	ap1-agonist_via	Repressor	PUC	hill.inv
54648	54648~FDA	are-bla_ch1	Repressor	cca	hill.inv
54648	54648~FDA	are-bla_ch2	Activator	cca	gnls
54648	54648~FDA	are-bla_ratio	Activator	cca	gnls
54648	54648~FDA	are-bla_via	Repressor	cca	hill.inv
54648	54648~FDA	esre-bla_ch1	Complex	rfp	gnls
54648	54648~FDA	esre-bla_ch2	Inactive	rfp	cnst
54648	54648~FDA	esre-bla_ratio	Activator	rfp	hill
54648	54648~FDA	esre-bla_via	Repressor	rfp	hill.inv
54648	54648~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54648	54648~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
54648	54648~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
54648	54648~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
54648	54648~FDA	hse-bla_ch1	Repressor	cca	hill.inv
54648	54648~FDA	hse-bla_ch2	Activator	cca	gnls
54648	54648~FDA	hse-bla_ratio	Activator	cca	hill
54648	54648~FDA	hse-bla_via	Repressor	cca	hill.inv
54648	54648~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
54648	54648~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
54648	54648~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
54648	54648~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
54648	54648~FDA	p53-bla_ch1	Repressor	PUC	gnls.inv
54648	54648~FDA	p53-bla_ch2	Activator	PUC	gnls
54648	54648~FDA	p53-bla_ratio	Activator	PUC	hill
54648	54648~FDA	p53-bla_via	Repressor	PUC	hill.inv
546714	546714~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
546714	546714~FDA	esre-bla_ch2	Inactive	rfp	cnst
546714	546714~FDA	esre-bla_ratio	Activator	rfp	hill
546714	546714~FDA	esre-bla_via	Inactive	rfp	cnst
546714	546714~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
546714	546714~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
546714	546714~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
546714	546714~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
54767758	54767758~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
54767758	54767758~FDA	ap1-agonist_ch2	Activator	EOC	gnls
54767758	54767758~FDA	ap1-agonist_ratio	Activator	EOC	hill
54767758	54767758~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
54767758	54767758~FDA	esre-bla_ch1	Repressor	EOC	hill.inv
54767758	54767758~FDA	esre-bla_ch2	Activator	EOC	gnls
54767758	54767758~FDA	esre-bla_ratio	Activator	EOC	hill
54767758	54767758~FDA	esre-bla_via	Repressor	EOC	hill.inv
54767758	54767758~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54767758	54767758~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
54767758	54767758~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
54767758	54767758~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
54767758	54767758~FDA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
54767758	54767758~FDA	hse-bla_ch2	Activator	EOC/PUC	gnls
54767758	54767758~FDA	hse-bla_ratio	Activator	EOC/PUC	hill
54767758	54767758~FDA	hse-bla_via	Repressor	EOC/PUC	hill.inv
54767758	54767758~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
54767758	54767758~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
54767758	54767758~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
54767758	54767758~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
54767758	54767758~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
54767758	54767758~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
54767758	54767758~FDA	p53-bla_ratio	Activator	rfp	hill
54767758	54767758~FDA	p53-bla_via	Repressor	rfp	hill.inv
547911	547911~FDA	are-bla_ch1	Inactive	cca	cnst
547911	547911~FDA	are-bla_ch2	Activator	cca	hill
547911	547911~FDA	are-bla_ratio	Activator	cca	hill
547911	547911~FDA	are-bla_via	Inactive	cca	cnst
548629	548629~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
548629	548629~EPA	ap1-agonist_ch2	Activator	cca	gnls
548629	548629~EPA	ap1-agonist_ratio	Activator	cca	gnls
548629	548629~EPA	ap1-agonist_via	Repressor	cca	hill.inv
548629	548629~EPA	are-bla_ch1	Repressor	cca	hill.inv
548629	548629~EPA	are-bla_ch2	Activator	cca	gnls
548629	548629~EPA	are-bla_ratio	Activator	cca	gnls
548629	548629~EPA	are-bla_via	Repressor	cca	hill.inv
548629	548629~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
548629	548629~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
548629	548629~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
548629	548629~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
548629	548629~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
548629	548629~EPA	hse-bla_ch2	Activator	PUC	gnls
548629	548629~EPA	hse-bla_ratio	Activator	PUC	hill
548629	548629~EPA	hse-bla_via	Repressor	PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
548629	548629~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
548629	548629~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
548629	548629~EPA	p53-bla_ratio	Activator	rfp	hill
548629	548629~EPA	p53-bla_via	Repressor	rfp	hill.inv
548629	548629~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
548629	548629~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
548629	548629~FDA	ap1-agonist_ratio	Activator	rfp	gnls
548629	548629~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
548629	548629~FDA	are-bla_ch1	Repressor	EOC	hill.inv
548629	548629~FDA	are-bla_ch2	Activator	EOC	gnls
548629	548629~FDA	are-bla_ratio	Activator	EOC	gnls
548629	548629~FDA	are-bla_via	Repressor	EOC	hill.inv
548629	548629~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
548629	548629~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
548629	548629~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
548629	548629~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
548629	548629~FDA	hse-bla_ch1	Repressor	PUC	hill.inv
548629	548629~FDA	hse-bla_ch2	Activator	PUC	gnls
548629	548629~FDA	hse-bla_ratio	Activator	PUC	hill
548629	548629~FDA	hse-bla_via	Repressor	PUC	hill.inv
548629	548629~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
548629	548629~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
548629	548629~FDA	p53-bla_ratio	Activator	rfp	hill
548629	548629~FDA	p53-bla_via	Repressor	rfp	hill.inv
548629	548629~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
548629	548629~NTP	ap1-agonist_ch2	Activator	EOC	gnls
548629	548629~NTP	ap1-agonist_ratio	Activator	EOC	gnls
548629	548629~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
548629	548629~NTP	are-bla_ch1	Repressor	cca	hill.inv
548629	548629~NTP	are-bla_ch2	Activator	cca	gnls
548629	548629~NTP	are-bla_ratio	Activator	cca	gnls
548629	548629~NTP	are-bla_via	Repressor	cca	hill.inv
548629	548629~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
548629	548629~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
548629	548629~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
548629	548629~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
548629	548629~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
548629	548629~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
548629	548629~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
548629	548629~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
548629	548629~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
548629	548629~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
548629	548629~NTP	p53-bla_ratio	Activator	rfp	hill
548629	548629~NTP	p53-bla_via	Repressor	rfp	hill.inv
548663	548663~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
548663	548663~FDA	ap1-agonist_ch2	Activator	EOC	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
548663	548663~FDA	ap1-agonist_ratio	Activator	EOC	hill
548663	548663~FDA	ap1-agonist_via	Inactive	EOC	cnst
54910893	54910893~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
54910893	54910893~FDA	ap1-agonist_ch2	Activator	cca	hill
54910893	54910893~FDA	ap1-agonist_ratio	Activator	cca	hill
54910893	54910893~FDA	ap1-agonist_via	Inactive	cca	cnst
54911	54911~FDA	are-bla_ch1	Inactive	cca	cnst
54911	54911~FDA	are-bla_ch2	Activator	cca	hill
54911	54911~FDA	are-bla_ratio	Activator	cca	hill
54911	54911~FDA	are-bla_via	Inactive	cca	cnst
549188	549188~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
549188	549188~EPA	ap1-agonist_ch2	Activator	cca	gnls
549188	549188~EPA	ap1-agonist_ratio	Activator	cca	gnls
549188	549188~EPA	ap1-agonist_via	Inactive	cca	cnst
549188	549188~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
549188	549188~FDA	ap1-agonist_ch2	Activator	cca	hill
549188	549188~FDA	ap1-agonist_ratio	Activator	cca	hill
549188	549188~FDA	ap1-agonist_via	Inactive	cca	cnst
549188	549188~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
549188	549188~NTP	ap1-agonist_ch2	Activator	cca	gnls
549188	549188~NTP	ap1-agonist_ratio	Activator	cca	gnls
549188	549188~NTP	ap1-agonist_via	Inactive	cca	cnst
5493458	5493458~NTP	are-bla_ch1	Repressor	cca	hill.inv
5493458	5493458~NTP	are-bla_ch2	Activator	cca	hill
5493458	5493458~NTP	are-bla_ratio	Activator	cca	hill
5493458	5493458~NTP	are-bla_via	Inactive	cca	cnst
5493458	5493458~NTP	p53-bla_ch1	Inactive	cca	cnst
5493458	5493458~NTP	p53-bla_ch2	Activator	cca	hill
5493458	5493458~NTP	p53-bla_ratio	Activator	cca	hill
5493458	5493458~NTP	p53-bla_via	Inactive	cca	cnst
5495841	5495841~EPA	are-bla_ch1	Repressor	cca	hill.inv
5495841	5495841~EPA	are-bla_ch2	Activator	cca	hill
5495841	5495841~EPA	are-bla_ratio	Activator	cca	gnls
5495841	5495841~EPA	are-bla_via	Inactive	cca	cnst
5495841	5495841~EPA	esre-bla_ch1	Inactive	cca	cnst
5495841	5495841~EPA	esre-bla_ch2	Activator	cca	hill
5495841	5495841~EPA	esre-bla_ratio	Activator	cca	hill
5495841	5495841~EPA	esre-bla_via	Inactive	cca	cnst
5495841	5495841~EPA	hse-bla_ch1	Inactive	cca	cnst
5495841	5495841~EPA	hse-bla_ch2	Activator	cca	hill
5495841	5495841~EPA	hse-bla_ratio	Activator	cca	hill
5495841	5495841~EPA	hse-bla_via	Inactive	cca	cnst
54965218	54965218~EPA	ap1-agonist_ch1	Inactive	cca	cnst
54965218	54965218~EPA	ap1-agonist_ch2	Activator	cca	hill
54965218	54965218~EPA	ap1-agonist_ratio	Activator	cca	hill
54965218	54965218~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
54965218	54965218~EPA	hse-bla_ch1	Inactive	cca	cnst
54965218	54965218~EPA	hse-bla_ch2	Activator	cca	hill
54965218	54965218~EPA	hse-bla_ratio	Activator	cca	hill
54965218	54965218~EPA	hse-bla_via	Inactive	cca	cnst
54965218	54965218~EPA	p53-bla_ch1	Repressor	cca	hill.inv
54965218	54965218~EPA	p53-bla_ch2	Activator	cca	gnls
54965218	54965218~EPA	p53-bla_ratio	Activator	cca	gnls
54965218	54965218~EPA	p53-bla_via	Inactive	cca	cnst
54965218	54965218~FDA	are-bla_ch1	Inactive	cca	cnst
54965218	54965218~FDA	are-bla_ch2	Activator	cca	hill
54965218	54965218~FDA	are-bla_ratio	Activator	cca	hill
54965218	54965218~FDA	are-bla_via	Inactive	cca	cnst
54965218	54965218~FDA	hse-bla_ch1	Inactive	cca	cnst
54965218	54965218~FDA	hse-bla_ch2	Activator	cca	hill
54965218	54965218~FDA	hse-bla_ratio	Activator	cca	hill
54965218	54965218~FDA	hse-bla_via	Inactive	cca	cnst
54965218	54965218~FDA	p53-bla_ch1	Repressor	cca	gnls.inv
54965218	54965218~FDA	p53-bla_ch2	Activator	cca	gnls
54965218	54965218~FDA	p53-bla_ratio	Activator	cca	gnls
54965218	54965218~FDA	p53-bla_via	Inactive	cca	cnst
54965241	54965241~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
54965241	54965241~EPA	ap1-agonist_ch2	Activator	EOC	gnls
54965241	54965241~EPA	ap1-agonist_ratio	Activator	EOC	hill
54965241	54965241~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
54965241	54965241~EPA	are-bla_ch1	Repressor	PUC	hill.inv
54965241	54965241~EPA	are-bla_ch2	Activator	PUC	gnls
54965241	54965241~EPA	are-bla_ratio	Activator	PUC	hill
54965241	54965241~EPA	are-bla_via	Repressor	PUC	hill.inv
54965241	54965241~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~EPA	esre-bla_ch2	Inactive	rfp	cnst
54965241	54965241~EPA	esre-bla_ratio	Activator	rfp	hill
54965241	54965241~EPA	esre-bla_via	Repressor	rfp	hill.inv
54965241	54965241~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54965241	54965241~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
54965241	54965241~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
54965241	54965241~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
54965241	54965241~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~EPA	hse-bla_ch2	Inactive	rfp	cnst
54965241	54965241~EPA	hse-bla_ratio	Activator	rfp	hill
54965241	54965241~EPA	hse-bla_via	Repressor	rfp	hill.inv
54965241	54965241~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
54965241	54965241~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
54965241	54965241~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
54965241	54965241~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
54965241	54965241~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~EPA	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
54965241	54965241~EPA	p53-bla_ratio	Activator	rfp	hill
54965241	54965241~EPA	p53-bla_via	Repressor	rfp	hill.inv
54965241	54965241~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
54965241	54965241~FDA	ap1-agonist_ch2	Activator	EOC	gnls
54965241	54965241~FDA	ap1-agonist_ratio	Activator	EOC	hill
54965241	54965241~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
54965241	54965241~FDA	are-bla_ch1	Repressor	rfn	hill.inv
54965241	54965241~FDA	are-bla_ch2	Activator	rfn	gnls
54965241	54965241~FDA	are-bla_ratio	Inactive	rfn	cnst
54965241	54965241~FDA	are-bla_via	Repressor	rfn	hill.inv
54965241	54965241~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~FDA	esre-bla_ch2	Inactive	rfp	cnst
54965241	54965241~FDA	esre-bla_ratio	Activator	rfp	hill
54965241	54965241~FDA	esre-bla_via	Repressor	rfp	hill.inv
54965241	54965241~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54965241	54965241~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
54965241	54965241~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
54965241	54965241~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
54965241	54965241~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~FDA	hse-bla_ch2	Inactive	rfp	cnst
54965241	54965241~FDA	hse-bla_ratio	Activator	rfp	hill
54965241	54965241~FDA	hse-bla_via	Repressor	rfp	hill.inv
54965241	54965241~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
54965241	54965241~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
54965241	54965241~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
54965241	54965241~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
54965241	54965241~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~FDA	p53-bla_ch2	Inactive	rfp	cnst
54965241	54965241~FDA	p53-bla_ratio	Activator	rfp	hill
54965241	54965241~FDA	p53-bla_via	Repressor	rfp	hill.inv
54965241	54965241~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
54965241	54965241~NTP	ap1-agonist_ch2	Activator	cca	gnls
54965241	54965241~NTP	ap1-agonist_ratio	Activator	cca	hill
54965241	54965241~NTP	ap1-agonist_via	Repressor	cca	hill.inv
54965241	54965241~NTP	are-bla_ch1	Repressor	rfn	hill.inv
54965241	54965241~NTP	are-bla_ch2	Activator	rfn	gnls
54965241	54965241~NTP	are-bla_ratio	Inactive	rfn	cnst
54965241	54965241~NTP	are-bla_via	Repressor	rfn	hill.inv
54965241	54965241~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
54965241	54965241~NTP	esre-bla_ratio	Activator	rfp	hill
54965241	54965241~NTP	esre-bla_via	Repressor	rfp	hill.inv
54965241	54965241~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
54965241	54965241~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
54965241	54965241~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
54965241	54965241~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
54965241	54965241~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~NTP	hse-bla_ch2	Inactive	rfp	cnst
54965241	54965241~NTP	hse-bla_ratio	Activator	rfp	hill
54965241	54965241~NTP	hse-bla_via	Repressor	rfp	hill.inv
54965241	54965241~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
54965241	54965241~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
54965241	54965241~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
54965241	54965241~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
54965241	54965241~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
54965241	54965241~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
54965241	54965241~NTP	p53-bla_ratio	Activator	rfp	hill
54965241	54965241~NTP	p53-bla_via	Repressor	rfp	hill.inv
55061	55061~EPA	are-bla_ch1	Inactive	EUC	cnst
55061	55061~EPA	are-bla_ch2	Activator	EUC	hill
55061	55061~EPA	are-bla_ratio	Activator	EUC	hill
55061	55061~EPA	are-bla_via	Inactive	EUC	cnst
55079839	55079839~FDA	p53-bla_ch1	Inactive	cca	cnst
55079839	55079839~FDA	p53-bla_ch2	Activator	cca	hill
55079839	55079839~FDA	p53-bla_ratio	Activator	cca	hill
55079839	55079839~FDA	p53-bla_via	Inactive	cca	cnst
55096758	55096758~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
55096758	55096758~FDA	ap1-agonist_ch2	Activator	cca	hill
55096758	55096758~FDA	ap1-agonist_ratio	Activator	cca	hill
55096758	55096758~FDA	ap1-agonist_via	Inactive	cca	cnst
551064	551064~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
551064	551064~NTP	ap1-agonist_ch2	Activator	cca	gnls
551064	551064~NTP	ap1-agonist_ratio	Activator	cca	gnls
551064	551064~NTP	ap1-agonist_via	Repressor	cca	hill.inv
551064	551064~NTP	are-bla_ch1	Repressor	cca	hill.inv
551064	551064~NTP	are-bla_ch2	Activator	cca	gnls
551064	551064~NTP	are-bla_ratio	Activator	cca	gnls
551064	551064~NTP	are-bla_via	Repressor	cca	hill.inv
551064	551064~NTP	esre-bla_ch1	Inactive	cca	cnst
551064	551064~NTP	esre-bla_ch2	Activator	cca	gnls
551064	551064~NTP	esre-bla_ratio	Activator	cca	gnls
551064	551064~NTP	esre-bla_via	Repressor	cca	hill.inv
551064	551064~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
551064	551064~NTP	hse-bla_ch2	Inactive	rfp	cnst
551064	551064~NTP	hse-bla_ratio	Activator	rfp	hill
551064	551064~NTP	hse-bla_via	Repressor	rfp	hill.inv
551064	551064~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
551064	551064~NTP	p53-bla_ch2	Inactive	rfp	cnst
551064	551064~NTP	p53-bla_ratio	Activator	rfp	hill
551064	551064~NTP	p53-bla_via	Repressor	rfp	hill.inv
5510996	5510996~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
5510996	5510996~EPA	ap1-agonist_ch2	Activator	EOC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
5510996	5510996~EPA	ap1-agonist_ratio	Activator	EOC	hill
5510996	5510996~EPA	ap1-agonist_via	Inactive	EOC	cnst
55134139	55134139~FDA	p53-bla_ch1	Repressor	POC	gnls.inv
55134139	55134139~FDA	p53-bla_ch2	Activator	POC	gnls
55134139	55134139~FDA	p53-bla_ratio	Activator	POC	gnls
55134139	55134139~FDA	p53-bla_via	Inactive	POC	cnst
55179312	55179312~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
55179312	55179312~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
55179312	55179312~NTP	ap1-agonist_ratio	Activator	rfp	hill
55179312	55179312~NTP	ap1-agonist_via	Inactive	rfp	cnst
552227	552227~FDA	ap1-agonist_ch1	Repressor	EUC	hill.inv
552227	552227~FDA	ap1-agonist_ch2	Activator	EUC	hill
552227	552227~FDA	ap1-agonist_ratio	Activator	EUC	hill
552227	552227~FDA	ap1-agonist_via	Inactive	EUC	cnst
5522430	5522430~NTP	are-bla_ch1	Activator	cca	hill
5522430	5522430~NTP	are-bla_ch2	Activator	cca	hill
5522430	5522430~NTP	are-bla_ratio	Activator	cca	gnls
5522430	5522430~NTP	are-bla_via	Inactive	cca	cnst
55285148	55285148~EPA	hse-bla_ch1	Inactive	cca	cnst
55285148	55285148~EPA	hse-bla_ch2	Activator	cca	hill
55285148	55285148~EPA	hse-bla_ratio	Activator	cca	hill
55285148	55285148~EPA	hse-bla_via	Inactive	cca	cnst
55285148	55285148~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
55285148	55285148~NTP	ap1-agonist_ch2	Activator	cca	hill
55285148	55285148~NTP	ap1-agonist_ratio	Activator	cca	hill
55285148	55285148~NTP	ap1-agonist_via	Inactive	cca	cnst
55290647	55290647~EPA	are-bla_ch1	Repressor	cca	gnls.inv
55290647	55290647~EPA	are-bla_ch2	Activator	cca	gnls
55290647	55290647~EPA	are-bla_ratio	Activator	cca	gnls
55290647	55290647~EPA	are-bla_via	Inactive	cca	cnst
55290647	55290647~NTP	are-bla_ch1	Repressor	cca	hill.inv
55290647	55290647~NTP	are-bla_ch2	Activator	cca	gnls
55290647	55290647~NTP	are-bla_ratio	Activator	cca	gnls
55290647	55290647~NTP	are-bla_via	Inactive	cca	cnst
553082	553082~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
553082	553082~FDA	ap1-agonist_ch2	Activator	cca	gnls
553082	553082~FDA	ap1-agonist_ratio	Activator	cca	hill
553082	553082~FDA	ap1-agonist_via	Repressor	cca	hill.inv
553082	553082~FDA	are-bla_ch1	Repressor	cca	hill.inv
553082	553082~FDA	are-bla_ch2	Activator	cca	gnls
553082	553082~FDA	are-bla_ratio	Activator	cca	hill
553082	553082~FDA	are-bla_via	Repressor	cca	hill.inv
55406536	55406536~EPA	are-bla_ch1	Activator	rfn	hill
55406536	55406536~EPA	are-bla_ch2	Activator	rfn	gnls
55406536	55406536~EPA	are-bla_ratio	Inactive	rfn	hill.inv
55406536	55406536~EPA	are-bla_via	Repressor	rfn	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
55406536	55406536~EPA	hse-bla_ch1	Inactive	cca	cnst
55406536	55406536~EPA	hse-bla_ch2	Activator	cca	gnls
55406536	55406536~EPA	hse-bla_ratio	Activator	cca	gnls
55406536	55406536~EPA	hse-bla_via	Repressor	cca	hill.inv
55406536	55406536~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
55406536	55406536~EPA	p53-bla_ch2	Activator	EOC/PUC	hill
55406536	55406536~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
55406536	55406536~EPA	p53-bla_via	Inactive	EOC/PUC	cnst
55406536	55406536~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
55406536	55406536~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
55406536	55406536~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
55406536	55406536~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
5541673	5541673~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
5541673	5541673~FDA	ap1-agonist_ch2	Activator	cca	gnls
5541673	5541673~FDA	ap1-agonist_ratio	Activator	cca	gnls
5541673	5541673~FDA	ap1-agonist_via	Repressor	cca	hill.inv
5541673	5541673~FDA	are-bla_ch1	Inactive	PUC	cnst
5541673	5541673~FDA	are-bla_ch2	Activator	PUC	hill
5541673	5541673~FDA	are-bla_ratio	Activator	PUC	hill
5541673	5541673~FDA	are-bla_via	Repressor	PUC	hill.inv
55481	55481~NTP	are-bla_ch1	Inactive	EUC	cnst
55481	55481~NTP	are-bla_ch2	Activator	EUC	hill
55481	55481~NTP	are-bla_ratio	Activator	EUC	hill
55481	55481~NTP	are-bla_via	Inactive	EUC	cnst
554847	554847~NTP	are-bla_ch1	Inactive	EUC	cnst
554847	554847~NTP	are-bla_ch2	Activator	EUC	hill
554847	554847~NTP	are-bla_ratio	Activator	EUC	hill
554847	554847~NTP	are-bla_via	Inactive	EUC	cnst
55550	55550~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
55550	55550~NTP	ap1-agonist_ch2	Activator	cca	gnls
55550	55550~NTP	ap1-agonist_ratio	Activator	cca	gnls
55550	55550~NTP	ap1-agonist_via	Repressor	cca	hill.inv
55550	55550~NTP	are-bla_ch1	Repressor	cca	hill.inv
55550	55550~NTP	are-bla_ch2	Activator	cca	gnls
55550	55550~NTP	are-bla_ratio	Activator	cca	gnls
55550	55550~NTP	are-bla_via	Repressor	cca	hill.inv
55550	55550~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
55550	55550~NTP	esre-bla_ch2	Inactive	rfp	cnst
55550	55550~NTP	esre-bla_ratio	Activator	rfp	hill
55550	55550~NTP	esre-bla_via	Repressor	rfp	hill.inv
55550	55550~NTP	hre-bla-agonist_ch1	Repressor	rfp	gnls.inv
55550	55550~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
55550	55550~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
55550	55550~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
55550	55550~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
55550	55550~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
55550	55550~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
55550	55550~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
55550	55550~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
55550	55550~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
55550	55550~NTP	p53-bla_ratio	Activator	rfp	hill
55550	55550~NTP	p53-bla_via	Repressor	rfp	hill.inv
555602	555602~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
555602	555602~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
555602	555602~EPA	ap1-agonist_ratio	Activator	rfp	gnls
555602	555602~EPA	ap1-agonist_via	Inactive	rfp	cnst
555602	555602~EPA	hre-bla-agonist_ch1	Repressor	rfp	gnls.inv
555602	555602~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
555602	555602~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
555602	555602~EPA	hre-bla-agonist_via	Complex	rfp	gnls.inv
555602	555602~EPA	hse-bla_ch1	Repressor	cca	hill.inv
555602	555602~EPA	hse-bla_ch2	Activator	cca	gnls
555602	555602~EPA	hse-bla_ratio	Activator	cca	gnls
555602	555602~EPA	hse-bla_via	Repressor	cca	hill.inv
555602	555602~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
555602	555602~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
555602	555602~EPA	p53-bla_ratio	Activator	rfp	hill
555602	555602~EPA	p53-bla_via	Repressor	rfp	hill.inv
55561	55561~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
55561	55561~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
55561	55561~EPA	ap1-agonist_ratio	Activator	rfp	hill
55561	55561~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
55561	55561~EPA	are-bla_ch1	Repressor	cca	hill.inv
55561	55561~EPA	are-bla_ch2	Activator	cca	gnls
55561	55561~EPA	are-bla_ratio	Activator	cca	gnls
55561	55561~EPA	are-bla_via	Repressor	cca	hill.inv
55561	55561~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
55561	55561~EPA	hse-bla_ch2	Inactive	rfp	hill.inv
55561	55561~EPA	hse-bla_ratio	Activator	rfp	hill
55561	55561~EPA	hse-bla_via	Repressor	rfp	hill.inv
55561	55561~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
55561	55561~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
55561	55561~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
55561	55561~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
55561	55561~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
55561	55561~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
55561	55561~EPA	p53-bla_ratio	Activator	rfp	hill
55561	55561~EPA	p53-bla_via	Repressor	rfp	hill.inv
55561	55561~FDA	are-bla_ch1	Repressor	rfn	hill.inv
55561	55561~FDA	are-bla_ch2	Activator	rfn	gnls
55561	55561~FDA	are-bla_ratio	Inactive	rfn	cnst
55561	55561~FDA	are-bla_via	Repressor	rfn	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
55561	55561~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
55561	55561~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
55561	55561~FDA	p53-bla_ratio	Activator	rfp	hill
55561	55561~FDA	p53-bla_via	Repressor	rfp	hill.inv
55561	55561~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
55561	55561~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
55561	55561~NTP	ap1-agonist_ratio	Activator	rfp	hill
55561	55561~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
55561	55561~NTP	are-bla_ch1	Repressor	EUC	hill.inv
55561	55561~NTP	are-bla_ch2	Activator	EUC	gnls
55561	55561~NTP	are-bla_ratio	Activator	EUC	gnls
55561	55561~NTP	are-bla_via	Repressor	EUC	hill.inv
55561	55561~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
55561	55561~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
55561	55561~NTP	esre-bla_ratio	Activator	rfp	hill
55561	55561~NTP	esre-bla_via	Repressor	rfp	hill.inv
55561	55561~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
55561	55561~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
55561	55561~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
55561	55561~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
55561	55561~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
55561	55561~NTP	hse-bla_ch2	Inactive	rfp	cnst
55561	55561~NTP	hse-bla_ratio	Activator	rfp	hill
55561	55561~NTP	hse-bla_via	Repressor	rfp	hill.inv
55561	55561~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
55561	55561~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
55561	55561~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
55561	55561~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
55561	55561~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
55561	55561~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
55561	55561~NTP	p53-bla_ratio	Activator	rfp	hill
55561	55561~NTP	p53-bla_via	Repressor	rfp	hill.inv
55566308	55566308~NTP	are-bla_ch1	Repressor	cca	hill.inv
55566308	55566308~NTP	are-bla_ch2	Activator	cca	hill
55566308	55566308~NTP	are-bla_ratio	Activator	cca	hill
55566308	55566308~NTP	are-bla_via	Inactive	cca	cnst
55566308	55566308~NTP	esre-bla_ch1	Repressor	cca	gnls.inv
55566308	55566308~NTP	esre-bla_ch2	Activator	cca	gnls
55566308	55566308~NTP	esre-bla_ratio	Activator	cca	gnls
55566308	55566308~NTP	esre-bla_via	Inactive	cca	cnst
555771	555771~FDA	p53-bla_ch1	Inactive	EUC	cnst
555771	555771~FDA	p53-bla_ch2	Activator	EUC	hill
555771	555771~FDA	p53-bla_ratio	Activator	EUC	hill
555771	555771~FDA	p53-bla_via	Inactive	EUC	cnst
5560598	5560598~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
5560598	5560598~FDA	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
5560598	5560598~FDA	ap1-agonist_ratio	Activator	cca	hill
5560598	5560598~FDA	ap1-agonist_via	Inactive	cca	cnst
55704784	55704784~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
55704784	55704784~EPA	ap1-agonist_ch2	Activator	cca	hill
55704784	55704784~EPA	ap1-agonist_ratio	Activator	cca	hill
55704784	55704784~EPA	ap1-agonist_via	Inactive	cca	cnst
55721114	55721114~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
55721114	55721114~FDA	p53-bla_ch2	Inactive	rfp	cnst
55721114	55721114~FDA	p53-bla_ratio	Activator	rfp	hill
55721114	55721114~FDA	p53-bla_via	Repressor	rfp	hill.inv
55726471	55726471~FDA	p53-bla_ch1	Inactive	cca	cnst
55726471	55726471~FDA	p53-bla_ch2	Activator	cca	hill
55726471	55726471~FDA	p53-bla_ratio	Activator	cca	hill
55726471	55726471~FDA	p53-bla_via	Inactive	cca	cnst
5575213	5575213~FDA	are-bla_ch1	Repressor	cca	hill.inv
5575213	5575213~FDA	are-bla_ch2	Activator	cca	hill
5575213	5575213~FDA	are-bla_ratio	Activator	cca	hill
5575213	5575213~FDA	are-bla_via	Inactive	cca	cnst
55801	55801~EPA	are-bla_ch1	Inactive	cca	cnst
55801	55801~EPA	are-bla_ch2	Activator	cca	hill
55801	55801~EPA	are-bla_ratio	Activator	cca	hill
55801	55801~EPA	are-bla_via	Inactive	cca	cnst
55801	55801~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
55801	55801~NTP	are-bla_ch2	Activator	EOC/PUC	hill
55801	55801~NTP	are-bla_ratio	Activator	EOC/PUC	gnls
55801	55801~NTP	are-bla_via	Inactive	EOC/PUC	cnst
55867	55867~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
55867	55867~FDA	ap1-agonist_ch2	Activator	cca	hill
55867	55867~FDA	ap1-agonist_ratio	Activator	cca	hill
55867	55867~FDA	ap1-agonist_via	Inactive	cca	cnst
55867	55867~FDA	are-bla_ch1	Repressor	EUC	hill.inv
55867	55867~FDA	are-bla_ch2	Activator	EUC	hill
55867	55867~FDA	are-bla_ratio	Activator	EUC	hill
55867	55867~FDA	are-bla_via	Inactive	EUC	cnst
55867	55867~FDA	p53-bla_ch1	Repressor	cca	hill.inv
55867	55867~FDA	p53-bla_ch2	Activator	cca	gnls
55867	55867~FDA	p53-bla_ratio	Activator	cca	gnls
55867	55867~FDA	p53-bla_via	Repressor	cca	hill.inv
55867	55867~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
55867	55867~NTP	ap1-agonist_ch2	Activator	cca	hill
55867	55867~NTP	ap1-agonist_ratio	Activator	cca	hill
55867	55867~NTP	ap1-agonist_via	Inactive	cca	cnst
55867	55867~NTP	are-bla_ch1	Repressor	cca	gnls.inv
55867	55867~NTP	are-bla_ch2	Activator	cca	gnls
55867	55867~NTP	are-bla_ratio	Activator	cca	gnls
55867	55867~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
55867	55867~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
55867	55867~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
55867	55867~NTP	p53-bla_ratio	Activator	EOC/PUC	gnls
55867	55867~NTP	p53-bla_via	Inactive	EOC/PUC	cnst
5589968	5589968~NTP	are-bla_ch1	Inactive	EUC/PUC	cnst
5589968	5589968~NTP	are-bla_ch2	Activator	EUC/PUC	gnls
5589968	5589968~NTP	are-bla_ratio	Activator	EUC/PUC	hill
5589968	5589968~NTP	are-bla_via	Inactive	EUC/PUC	cnst
55981094	55981094~FDA	p53-bla_ch1	Repressor	cca	hill.inv
55981094	55981094~FDA	p53-bla_ch2	Activator	cca	gnls
55981094	55981094~FDA	p53-bla_ratio	Activator	cca	hill
55981094	55981094~FDA	p53-bla_via	Repressor	cca	hill.inv
55981094	55981094~NTP	hse-bla_ch1	Repressor	cca	hill.inv
55981094	55981094~NTP	hse-bla_ch2	Activator	cca	hill
55981094	55981094~NTP	hse-bla_ratio	Activator	cca	gnls
55981094	55981094~NTP	hse-bla_via	Repressor	cca	hill.inv
55981094	55981094~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
55981094	55981094~NTP	p53-bla_ch2	Inactive	rfp	cnst
55981094	55981094~NTP	p53-bla_ratio	Activator	rfp	hill
55981094	55981094~NTP	p53-bla_via	Inactive	rfp	cnst
5598152	5598152~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
5598152	5598152~EPA	esre-bla_ch2	Inactive	rfp	cnst
5598152	5598152~EPA	esre-bla_ratio	Activator	rfp	hill
5598152	5598152~EPA	esre-bla_via	Inactive	rfp	cnst
5598152	5598152~EPA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
5598152	5598152~EPA	hre-bla-agonist_ch2	Activator	cca	gnls
5598152	5598152~EPA	hre-bla-agonist_ratio	Activator	cca	gnls
5598152	5598152~EPA	hre-bla-agonist_via	Inactive	cca	cnst
5598152	5598152~EPA	hse-bla_ch1	Repressor	cca	hill.inv
5598152	5598152~EPA	hse-bla_ch2	Activator	cca	hill
5598152	5598152~EPA	hse-bla_ratio	Activator	cca	hill
5598152	5598152~EPA	hse-bla_via	Inactive	cca	cnst
5598152	5598152~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
5598152	5598152~EPA	p53-bla_ch2	Inactive	rfp	cnst
5598152	5598152~EPA	p53-bla_ratio	Activator	rfp	hill
5598152	5598152~EPA	p53-bla_via	Inactive	rfp	cnst
56053	56053~NTP	are-bla_ch1	Inactive	cca	cnst
56053	56053~NTP	are-bla_ch2	Activator	cca	hill
56053	56053~NTP	are-bla_ratio	Activator	cca	hill
56053	56053~NTP	are-bla_via	Inactive	cca	cnst
56124620	56124620~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
56124620	56124620~FDA	p53-bla_ch2	Activator	EOC	gnls
56124620	56124620~FDA	p53-bla_ratio	Activator	EOC	gnls
56124620	56124620~FDA	p53-bla_via	Inactive	EOC	cnst
5613467	5613467~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
5613467	5613467~NTP	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
5613467	5613467~NTP	ap1-agonist_ratio	Activator	cca	hill
5613467	5613467~NTP	ap1-agonist_via	Repressor	cca	hill.inv
5613467	5613467~NTP	are-bla_ch1	Repressor	cca	hill.inv
5613467	5613467~NTP	are-bla_ch2	Activator	cca	gnls
5613467	5613467~NTP	are-bla_ratio	Activator	cca	gnls
5613467	5613467~NTP	are-bla_via	Repressor	cca	hill.inv
5613467	5613467~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
5613467	5613467~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
5613467	5613467~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
5613467	5613467~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
5613467	5613467~NTP	p53-bla_ch1	Repressor	PUC	hill.inv
5613467	5613467~NTP	p53-bla_ch2	Activator	PUC	gnls
5613467	5613467~NTP	p53-bla_ratio	Activator	PUC	hill
5613467	5613467~NTP	p53-bla_via	Inactive	PUC	cnst
56188	56188~NTP	are-bla_ch1	Inactive	cca	cnst
56188	56188~NTP	are-bla_ch2	Activator	cca	hill
56188	56188~NTP	are-bla_ratio	Activator	cca	hill
56188	56188~NTP	are-bla_via	Inactive	cca	cnst
56257	56257~FDA	are-bla_ch1	Repressor	cca	hill.inv
56257	56257~FDA	are-bla_ch2	Activator	cca	gnls
56257	56257~FDA	are-bla_ratio	Activator	cca	gnls
56257	56257~FDA	are-bla_via	Repressor	cca	hill.inv
56257	56257~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
56257	56257~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
56257	56257~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
56257	56257~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
56257	56257~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
56257	56257~FDA	p53-bla_ch2	Activator	EOC	gnls
56257	56257~FDA	p53-bla_ratio	Activator	EOC	gnls
56257	56257~FDA	p53-bla_via	Inactive	EOC	cnst
5627463	5627463~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
5627463	5627463~FDA	p53-bla_ch2	Activator	EOC	gnls
5627463	5627463~FDA	p53-bla_ratio	Activator	EOC	hill
5627463	5627463~FDA	p53-bla_via	Repressor	EOC	hill.inv
5630535	5630535~FDA	are-bla_ch1	Inactive	cca	cnst
5630535	5630535~FDA	are-bla_ch2	Activator	cca	hill
5630535	5630535~FDA	are-bla_ratio	Activator	cca	hill
5630535	5630535~FDA	are-bla_via	Inactive	cca	cnst
563122	563122~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
563122	563122~EPA	ap1-agonist_ch2	Activator	cca	hill
563122	563122~EPA	ap1-agonist_ratio	Activator	cca	hill
563122	563122~EPA	ap1-agonist_via	Inactive	cca	cnst
56359	56359~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
56359	56359~NTP	ap1-agonist_ch2	Activator	cca	gnls
56359	56359~NTP	ap1-agonist_ratio	Activator	cca	gnls
56359	56359~NTP	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
56359	56359~NTP	are-bla_ch1	Repressor	EUC	hill.inv
56359	56359~NTP	are-bla_ch2	Activator	EUC	gnls
56359	56359~NTP	are-bla_ratio	Activator	EUC	gnls
56359	56359~NTP	are-bla_via	Repressor	EUC	hill.inv
56359	56359~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
56359	56359~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
56359	56359~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
56359	56359~NTP	hre-bla-agonist_via	Complex	rfp	gnls
56359	56359~NTP	hse-bla_ch1	Repressor	cca	hill.inv
56359	56359~NTP	hse-bla_ch2	Activator	cca	gnls
56359	56359~NTP	hse-bla_ratio	Activator	cca	gnls
56359	56359~NTP	hse-bla_via	Repressor	cca	hill.inv
56359	56359~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
56359	56359~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
56359	56359~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
56359	56359~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
56359	56359~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
56359	56359~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
56359	56359~NTP	p53-bla_ratio	Activator	rfp	hill
56359	56359~NTP	p53-bla_via	Repressor	rfp	hill.inv
563688	563688~NTP	are-bla_ch1	Inactive	rfn	cnst
563688	563688~NTP	are-bla_ch2	Activator	rfn	hill
563688	563688~NTP	are-bla_ratio	Inactive	rfn	cnst
563688	563688~NTP	are-bla_via	Repressor	rfn	hill.inv
563688	563688~NTP	p53-bla_ch1	Complex	cca	gnls
563688	563688~NTP	p53-bla_ch2	Activator	cca	gnls
563688	563688~NTP	p53-bla_ratio	Activator	cca	gnls
563688	563688~NTP	p53-bla_via	Repressor	cca	hill.inv
564205	564205~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
564205	564205~EPA	ap1-agonist_ch2	Activator	EOC	hill
564205	564205~EPA	ap1-agonist_ratio	Activator	EOC	hill
564205	564205~EPA	ap1-agonist_via	Inactive	EOC	cnst
56473	56473~FDA	ap1-agonist_ch1	Inactive	cca	cnst
56473	56473~FDA	ap1-agonist_ch2	Activator	cca	hill
56473	56473~FDA	ap1-agonist_ratio	Activator	cca	hill
56473	56473~FDA	ap1-agonist_via	Inactive	cca	cnst
56495	56495~NTP	are-bla_ch1	Complex	cca	gnls.inv
56495	56495~NTP	are-bla_ch2	Activator	cca	hill
56495	56495~NTP	are-bla_ratio	Activator	cca	gnls
56495	56495~NTP	are-bla_via	Inactive	cca	cnst
56495	56495~NTP	esre-bla_ch1	Activator	EUC	hill
56495	56495~NTP	esre-bla_ch2	Activator	EUC	hill
56495	56495~NTP	esre-bla_ratio	Activator	EUC	hill
56495	56495~NTP	esre-bla_via	Inactive	EUC	cnst
56495	56495~NTP	hre-bla-agonist_ch1	Activator	cca	hill
56495	56495~NTP	hre-bla-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
56495	56495~NTP	hre-bla-agonist_ratio	Activator	cca	hill
56495	56495~NTP	hre-bla-agonist_via	Inactive	cca	cnst
56531	56531~EPA	are-bla_ch1	Inactive	EUC	cnst
56531	56531~EPA	are-bla_ch2	Activator	EUC	gnls
56531	56531~EPA	are-bla_ratio	Activator	EUC	gnls
56531	56531~EPA	are-bla_via	Inactive	EUC	cnst
56531	56531~EPA	p53-bla_ch1	Repressor	EUC	hill.inv
56531	56531~EPA	p53-bla_ch2	Activator	EUC	gnls
56531	56531~EPA	p53-bla_ratio	Activator	EUC	gnls
56531	56531~EPA	p53-bla_via	Inactive	EUC	cnst
56531	56531~NTP	are-bla_ch1	Inactive	EUC	cnst
56531	56531~NTP	are-bla_ch2	Activator	EUC	gnls
56531	56531~NTP	are-bla_ratio	Activator	EUC	gnls
56531	56531~NTP	are-bla_via	Inactive	EUC	cnst
56531	56531~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
56531	56531~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
56531	56531~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
56531	56531~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
56531	56531~NTP	p53-bla_ch1	Repressor	cca	hill.inv
56531	56531~NTP	p53-bla_ch2	Activator	cca	gnls
56531	56531~NTP	p53-bla_ratio	Activator	cca	gnls
56531	56531~NTP	p53-bla_via	Inactive	cca	cnst
56553	56553~EPA	are-bla_ch1	Repressor	EUC	gnls.inv
56553	56553~EPA	are-bla_ch2	Activator	EUC	hill
56553	56553~EPA	are-bla_ratio	Activator	EUC	hill
56553	56553~EPA	are-bla_via	Inactive	EUC	cnst
56553	56553~NTP	are-bla_ch1	Repressor	EUC	gnls.inv
56553	56553~NTP	are-bla_ch2	Activator	EUC	hill
56553	56553~NTP	are-bla_ratio	Activator	EUC	hill
56553	56553~NTP	are-bla_via	Inactive	EUC	cnst
56553	56553~NTP	esre-bla_ch1	Inactive	cca	cnst
56553	56553~NTP	esre-bla_ch2	Activator	cca	hill
56553	56553~NTP	esre-bla_ratio	Activator	cca	hill
56553	56553~NTP	esre-bla_via	Inactive	cca	cnst
566483	566483~EPA	are-bla_ch1	Inactive	cca	cnst
566483	566483~EPA	are-bla_ch2	Activator	cca	hill
566483	566483~EPA	are-bla_ratio	Activator	cca	hill
566483	566483~EPA	are-bla_via	Inactive	cca	cnst
56655	56655~FDA	p53-bla_ch1	Inactive	EUC	cnst
56655	56655~FDA	p53-bla_ch2	Activator	EUC	gnls
56655	56655~FDA	p53-bla_ratio	Activator	EUC	hill
56655	56655~FDA	p53-bla_via	Inactive	EUC	cnst
56803373	56803373~NTP	are-bla_ch1	Inactive	EUC	cnst
56803373	56803373~NTP	are-bla_ch2	Activator	EUC	hill
56803373	56803373~NTP	are-bla_ratio	Activator	EUC	hill
56803373	56803373~NTP	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
56839431	56839431~FDA	are-bla_ch1	Inactive	cca	cnst
56839431	56839431~FDA	are-bla_ch2	Activator	cca	hill
56839431	56839431~FDA	are-bla_ratio	Activator	cca	hill
56839431	56839431~FDA	are-bla_via	Inactive	cca	cnst
56951	56951~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
56951	56951~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
56951	56951~EPA	ap1-agonist_ratio	Activator	rfp	hill
56951	56951~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
56951	56951~EPA	are-bla_ch1	Repressor	cca	hill.inv
56951	56951~EPA	are-bla_ch2	Activator	cca	gnls
56951	56951~EPA	are-bla_ratio	Activator	cca	gnls
56951	56951~EPA	are-bla_via	Repressor	cca	hill.inv
56951	56951~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
56951	56951~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
56951	56951~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
56951	56951~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
56951	56951~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
56951	56951~EPA	hse-bla_ch2	Inactive	rfp	hill.inv
56951	56951~EPA	hse-bla_ratio	Activator	rfp	hill
56951	56951~EPA	hse-bla_via	Repressor	rfp	hill.inv
56951	56951~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
56951	56951~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
56951	56951~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
56951	56951~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
56951	56951~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
56951	56951~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
56951	56951~EPA	p53-bla_ratio	Activator	rfp	hill
56951	56951~EPA	p53-bla_via	Repressor	rfp	hill.inv
569573	569573~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
569573	569573~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
569573	569573~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
569573	569573~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
569619	569619~EPA	are-bla_ch1	Repressor	EOC	hill.inv
569619	569619~EPA	are-bla_ch2	Activator	EOC	gnls
569619	569619~EPA	are-bla_ratio	Activator	EOC	gnls
569619	569619~EPA	are-bla_via	Repressor	EOC	hill.inv
569619	569619~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
569619	569619~EPA	hse-bla_ch2	Activator	EOC	hill
569619	569619~EPA	hse-bla_ratio	Activator	EOC	hill
569619	569619~EPA	hse-bla_via	Repressor	EOC	hill.inv
569619	569619~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
569619	569619~EPA	p53-bla_ch2	Activator	EOC	hill
569619	569619~EPA	p53-bla_ratio	Activator	EOC	hill
569619	569619~EPA	p53-bla_via	Repressor	EOC	hill.inv
569642	569642~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
569642	569642~NTP	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
569642	569642~NTP	ap1-agonist_ratio	Activator	cca	gnls
569642	569642~NTP	ap1-agonist_via	Repressor	cca	hill.inv
569642	569642~NTP	hre-bla-agonist_ch1	Repressor	rfp	gnls.inv
569642	569642~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
569642	569642~NTP	hre-bla-agonist_ratio	Activator	rfp	gnls
569642	569642~NTP	hre-bla-agonist_via	Repressor	rfp	gnls.inv
57090	57090~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
57090	57090~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
57090	57090~EPA	ap1-agonist_ratio	Activator	rfp	hill
57090	57090~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
57090	57090~EPA	are-bla_ch1	Repressor	rfn	hill.inv
57090	57090~EPA	are-bla_ch2	Activator	rfn	gnls
57090	57090~EPA	are-bla_ratio	Inactive	rfn	cnst
57090	57090~EPA	are-bla_via	Repressor	rfn	hill.inv
57090	57090~EPA	esre-bla_ch1	Complex	rfp	gnls
57090	57090~EPA	esre-bla_ch2	Inactive	rfp	cnst
57090	57090~EPA	esre-bla_ratio	Activator	rfp	hill
57090	57090~EPA	esre-bla_via	Repressor	rfp	hill.inv
57090	57090~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
57090	57090~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
57090	57090~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
57090	57090~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
57090	57090~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
57090	57090~EPA	hse-bla_ch2	Inactive	rfp	cnst
57090	57090~EPA	hse-bla_ratio	Activator	rfp	hill
57090	57090~EPA	hse-bla_via	Repressor	rfp	hill.inv
57090	57090~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
57090	57090~EPA	p53-bla_ch2	Inactive	rfp	cnst
57090	57090~EPA	p53-bla_ratio	Activator	rfp	hill
57090	57090~EPA	p53-bla_via	Repressor	rfp	hill.inv
57090	57090~FDA	are-bla_ch1	Repressor	rfp	hill.inv
57090	57090~FDA	are-bla_ch2	Inactive	rfp	hill.inv
57090	57090~FDA	are-bla_ratio	Activator	rfp	gnls
57090	57090~FDA	are-bla_via	Repressor	rfp	hill.inv
5711400	5711400~FDA	p53-bla_ch1	Repressor	cca	hill.inv
5711400	5711400~FDA	p53-bla_ch2	Activator	cca	hill
5711400	5711400~FDA	p53-bla_ratio	Activator	cca	hill
5711400	5711400~FDA	p53-bla_via	Repressor	cca	hill.inv
57132533	57132533~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
57132533	57132533~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
57132533	57132533~FDA	ap1-agonist_ratio	Activator	rfp	hill
57132533	57132533~FDA	ap1-agonist_via	Inactive	rfp	cnst
57132533	57132533~FDA	are-bla_ch1	Inactive	cca	cnst
57132533	57132533~FDA	are-bla_ch2	Activator	cca	gnls
57132533	57132533~FDA	are-bla_ratio	Activator	cca	gnls
57132533	57132533~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
57132533	57132533~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
57132533	57132533~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
57132533	57132533~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
57132533	57132533~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
57136	57136~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
57136	57136~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
57136	57136~NTP	ap1-agonist_ratio	Activator	rfp	hill
57136	57136~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
57227	57227~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
57227	57227~FDA	ap1-agonist_ch2	Activator	cca	hill
57227	57227~FDA	ap1-agonist_ratio	Activator	cca	hill
57227	57227~FDA	ap1-agonist_via	Inactive	cca	cnst
57227	57227~FDA	are-bla_ch1	Repressor	rfp	hill.inv
57227	57227~FDA	are-bla_ch2	Inactive	rfp	cnst
57227	57227~FDA	are-bla_ratio	Activator	rfp	hill
57227	57227~FDA	are-bla_via	Inactive	rfp	cnst
57227	57227~FDA	p53-bla_ch1	Activator	cca	hill
57227	57227~FDA	p53-bla_ch2	Activator	cca	gnls
57227	57227~FDA	p53-bla_ratio	Activator	cca	gnls
57227	57227~FDA	p53-bla_via	Inactive	cca	cnst
573580	573580~NTP	ap1-agonist_ch1	Inactive	cca	cnst
573580	573580~NTP	ap1-agonist_ch2	Activator	cca	gnls
573580	573580~NTP	ap1-agonist_ratio	Activator	cca	gnls
573580	573580~NTP	ap1-agonist_via	Inactive	cca	cnst
574254	574254~FDA	are-bla_ch1	Repressor	EUC	hill.inv
574254	574254~FDA	are-bla_ch2	Activator	EUC	gnls
574254	574254~FDA	are-bla_ratio	Activator	EUC	hill
574254	574254~FDA	are-bla_via	Repressor	EUC	hill.inv
574254	574254~FDA	p53-bla_ch1	Repressor	cca	hill.inv
574254	574254~FDA	p53-bla_ch2	Activator	cca	gnls
574254	574254~FDA	p53-bla_ratio	Activator	cca	hill
574254	574254~FDA	p53-bla_via	Repressor	cca	hill.inv
5743044	5743044~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
5743044	5743044~NTP	ap1-agonist_ch2	Activator	cca	gnls
5743044	5743044~NTP	ap1-agonist_ratio	Activator	cca	gnls
5743044	5743044~NTP	ap1-agonist_via	Repressor	cca	hill.inv
5743044	5743044~NTP	esre-bla_ch1	Complex	cca	gnls.inv
5743044	5743044~NTP	esre-bla_ch2	Activator	cca	gnls
5743044	5743044~NTP	esre-bla_ratio	Activator	cca	gnls
5743044	5743044~NTP	esre-bla_via	Repressor	cca	hill.inv
5743044	5743044~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
5743044	5743044~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
5743044	5743044~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
5743044	5743044~NTP	hre-bla-agonist_via	Complex	rfp	gnls
5743044	5743044~NTP	hse-bla_ch1	Repressor	cca	hill.inv
5743044	5743044~NTP	hse-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
5743044	5743044~NTP	hse-bla_ratio	Activator	cca	gnls
5743044	5743044~NTP	hse-bla_via	Repressor	cca	hill.inv
5743044	5743044~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
5743044	5743044~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
5743044	5743044~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
5743044	5743044~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
57476	57476~EPA	are-bla_ch1	Repressor	PUC	hill.inv
57476	57476~EPA	are-bla_ch2	Activator	PUC	hill
57476	57476~EPA	are-bla_ratio	Activator	PUC	hill
57476	57476~EPA	are-bla_via	Inactive	PUC	cnst
57574091	57574091~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
57574091	57574091~FDA	ap1-agonist_ch2	Activator	cca	hill
57574091	57574091~FDA	ap1-agonist_ratio	Activator	cca	hill
57574091	57574091~FDA	ap1-agonist_via	Inactive	cca	cnst
57636	57636~EPA	p53-bla_ch1	Repressor	cca	hill.inv
57636	57636~EPA	p53-bla_ch2	Activator	cca	gnls
57636	57636~EPA	p53-bla_ratio	Activator	cca	gnls
57636	57636~EPA	p53-bla_via	Inactive	cca	cnst
57636	57636~FDA	p53-bla_ch1	Repressor	cca	hill.inv
57636	57636~FDA	p53-bla_ch2	Activator	cca	hill
57636	57636~FDA	p53-bla_ratio	Activator	cca	hill
57636	57636~FDA	p53-bla_via	Inactive	cca	cnst
57636	57636~NTP	ap1-agonist_ch1	Inactive	cca	cnst
57636	57636~NTP	ap1-agonist_ch2	Activator	cca	hill
57636	57636~NTP	ap1-agonist_ratio	Activator	cca	hill
57636	57636~NTP	ap1-agonist_via	Inactive	cca	cnst
57636	57636~NTP	are-bla_ch1	Activator	rfn	gnls
57636	57636~NTP	are-bla_ch2	Activator	rfn	hill
57636	57636~NTP	are-bla_ratio	Inactive	rfn	cnst
57636	57636~NTP	are-bla_via	Inactive	rfn	cnst
57636	57636~NTP	p53-bla_ch1	Repressor	cca	hill.inv
57636	57636~NTP	p53-bla_ch2	Activator	cca	gnls
57636	57636~NTP	p53-bla_ratio	Activator	cca	gnls
57636	57636~NTP	p53-bla_via	Inactive	cca	cnst
577117	577117~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
577117	577117~EPA	ap1-agonist_ch2	Activator	EOC	gnls
577117	577117~EPA	ap1-agonist_ratio	Activator	EOC	hill
577117	577117~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
577117	577117~EPA	are-bla_ch1	Repressor	cca	hill.inv
577117	577117~EPA	are-bla_ch2	Activator	cca	gnls
577117	577117~EPA	are-bla_ratio	Activator	cca	gnls
577117	577117~EPA	are-bla_via	Repressor	cca	hill.inv
577117	577117~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
577117	577117~EPA	esre-bla_ch2	Inactive	rfp	cnst
577117	577117~EPA	esre-bla_ratio	Activator	rfp	hill
577117	577117~EPA	esre-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
577117	577117~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
577117	577117~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
577117	577117~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
577117	577117~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
577117	577117~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
577117	577117~EPA	hse-bla_ch2	Inactive	rfp	cnst
577117	577117~EPA	hse-bla_ratio	Activator	rfp	hill
577117	577117~EPA	hse-bla_via	Repressor	rfp	hill.inv
577117	577117~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
577117	577117~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
577117	577117~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
577117	577117~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
577117	577117~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
577117	577117~EPA	p53-bla_ch2	Inactive	rfp	cnst
577117	577117~EPA	p53-bla_ratio	Activator	rfp	hill
577117	577117~EPA	p53-bla_via	Repressor	rfp	hill.inv
577117	577117~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
577117	577117~FDA	p53-bla_ch2	Inactive	rfp	cnst
577117	577117~FDA	p53-bla_ratio	Activator	rfp	hill
577117	577117~FDA	p53-bla_via	Repressor	rfp	hill.inv
577117	577117~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
577117	577117~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
577117	577117~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
577117	577117~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
577117	577117~NTP	are-bla_ch1	Repressor	cca	hill.inv
577117	577117~NTP	are-bla_ch2	Activator	cca	gnls
577117	577117~NTP	are-bla_ratio	Activator	cca	gnls
577117	577117~NTP	are-bla_via	Repressor	cca	hill.inv
577117	577117~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
577117	577117~NTP	esre-bla_ch2	Inactive	rfp	cnst
577117	577117~NTP	esre-bla_ratio	Activator	rfp	hill
577117	577117~NTP	esre-bla_via	Repressor	rfp	hill.inv
577117	577117~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
577117	577117~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
577117	577117~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
577117	577117~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
577117	577117~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
577117	577117~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
577117	577117~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
577117	577117~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
577117	577117~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
577117	577117~NTP	p53-bla_ch2	Inactive	rfp	cnst
577117	577117~NTP	p53-bla_ratio	Activator	rfp	hill
577117	577117~NTP	p53-bla_via	Repressor	rfp	hill.inv
57749	57749~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
57749	57749~EPA	ap1-agonist_ch2	Activator	EOC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
57749	57749~EPA	ap1-agonist_ratio	Activator	EOC	hill
57749	57749~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
57749	57749~EPA	are-bla_ch1	Repressor	EUC	hill.inv
57749	57749~EPA	are-bla_ch2	Activator	EUC	gnls
57749	57749~EPA	are-bla_ratio	Activator	EUC	gnls
57749	57749~EPA	are-bla_via	Repressor	EUC	hill.inv
57749	57749~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
57749	57749~EPA	esre-bla_ch2	Inactive	rfp	cnst
57749	57749~EPA	esre-bla_ratio	Activator	rfp	hill
57749	57749~EPA	esre-bla_via	Repressor	rfp	hill.inv
57749	57749~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
57749	57749~EPA	hse-bla_ch2	Inactive	rfp	cnst
57749	57749~EPA	hse-bla_ratio	Activator	rfp	hill
57749	57749~EPA	hse-bla_via	Repressor	rfp	hill.inv
57749	57749~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
57749	57749~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
57749	57749~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
57749	57749~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
57749	57749~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
57749	57749~EPA	p53-bla_ch2	Inactive	rfp	cnst
57749	57749~EPA	p53-bla_ratio	Activator	rfp	hill
57749	57749~EPA	p53-bla_via	Repressor	rfp	hill.inv
57808658	57808658~FDA	are-bla_ch1	Activator	rfn	hill
57808658	57808658~FDA	are-bla_ch2	Activator	rfn	gnls
57808658	57808658~FDA	are-bla_ratio	Inactive	rfn	hill.inv
57808658	57808658~FDA	are-bla_via	Repressor	rfn	hill.inv
57808658	57808658~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
57808658	57808658~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
57808658	57808658~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
57808658	57808658~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
57808669	57808669~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
57808669	57808669~FDA	ap1-agonist_ch2	Activator	cca	gnls
57808669	57808669~FDA	ap1-agonist_ratio	Activator	cca	hill
57808669	57808669~FDA	ap1-agonist_via	Inactive	cca	cnst
57830	57830~EPA	are-bla_ch1	Inactive	cca	cnst
57830	57830~EPA	are-bla_ch2	Activator	cca	gnls
57830	57830~EPA	are-bla_ratio	Activator	cca	hill
57830	57830~EPA	are-bla_via	Inactive	cca	cnst
57830	57830~NTP	are-bla_ch1	Inactive	cca	cnst
57830	57830~NTP	are-bla_ch2	Activator	cca	gnls
57830	57830~NTP	are-bla_ratio	Activator	cca	gnls
57830	57830~NTP	are-bla_via	Inactive	cca	cnst
57852570	57852570~FDA	ap1-agonist_ch1	Inactive	cca	cnst
57852570	57852570~FDA	ap1-agonist_ch2	Activator	cca	gnls
57852570	57852570~FDA	ap1-agonist_ratio	Activator	cca	gnls
57852570	57852570~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
57852570	57852570~FDA	are-bla_ch1	Repressor	cca	hill.inv
57852570	57852570~FDA	are-bla_ch2	Activator	cca	gnls
57852570	57852570~FDA	are-bla_ratio	Activator	cca	gnls
57852570	57852570~FDA	are-bla_via	Repressor	cca	hill.inv
57852570	57852570~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
57852570	57852570~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
57852570	57852570~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
57852570	57852570~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
57852570	57852570~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
57852570	57852570~FDA	p53-bla_ch2	Activator	EOC	gnls
57852570	57852570~FDA	p53-bla_ratio	Activator	EOC	gnls
57852570	57852570~FDA	p53-bla_via	Inactive	EOC	cnst
57852	57852~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
57852	57852~EPA	ap1-agonist_ch2	Activator	cca	gnls
57852	57852~EPA	ap1-agonist_ratio	Activator	cca	hill
57852	57852~EPA	ap1-agonist_via	Repressor	cca	hill.inv
57852	57852~EPA	are-bla_ch1	Inactive	rfn	cnst
57852	57852~EPA	are-bla_ch2	Activator	rfn	hill
57852	57852~EPA	are-bla_ratio	Inactive	rfn	cnst
57852	57852~EPA	are-bla_via	Inactive	rfn	cnst
57852	57852~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
57852	57852~EPA	hse-bla_ch2	Inactive	rfp	cnst
57852	57852~EPA	hse-bla_ratio	Activator	rfp	hill
57852	57852~EPA	hse-bla_via	Repressor	rfp	hill.inv
57910	57910~EPA	p53-bla_ch1	Repressor	cca	hill.inv
57910	57910~EPA	p53-bla_ch2	Activator	cca	gnls
57910	57910~EPA	p53-bla_ratio	Activator	cca	hill
57910	57910~EPA	p53-bla_via	Inactive	cca	cnst
57910	57910~NTP	ap1-agonist_ch1	Inactive	cca	cnst
57910	57910~NTP	ap1-agonist_ch2	Activator	cca	hill
57910	57910~NTP	ap1-agonist_ratio	Activator	cca	hill
57910	57910~NTP	ap1-agonist_via	Inactive	cca	cnst
57910	57910~NTP	are-bla_ch1	Inactive	EUC	cnst
57910	57910~NTP	are-bla_ch2	Activator	EUC	hill
57910	57910~NTP	are-bla_ratio	Activator	EUC	hill
57910	57910~NTP	are-bla_via	Inactive	EUC	cnst
57910	57910~NTP	p53-bla_ch1	Repressor	cca	gnls.inv
57910	57910~NTP	p53-bla_ch2	Activator	cca	gnls
57910	57910~NTP	p53-bla_ratio	Activator	cca	gnls
57910	57910~NTP	p53-bla_via	Inactive	cca	cnst
579237	579237~FDA	are-bla_ch1	Repressor	cca	hill.inv
579237	579237~FDA	are-bla_ch2	Activator	cca	gnls
579237	579237~FDA	are-bla_ratio	Activator	cca	gnls
579237	579237~FDA	are-bla_via	Repressor	cca	hill.inv
579237	579237~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
579237	579237~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
579237	579237~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
579237	579237~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
579237	579237~FDA	hse-bla_ch1	Repressor	cca	hill.inv
579237	579237~FDA	hse-bla_ch2	Activator	cca	gnls
579237	579237~FDA	hse-bla_ratio	Activator	cca	gnls
579237	579237~FDA	hse-bla_via	Inactive	cca	cnst
579237	579237~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
579237	579237~FDA	p53-bla_ch2	Inactive	rfp	cnst
579237	579237~FDA	p53-bla_ratio	Activator	rfp	hill
579237	579237~FDA	p53-bla_via	Repressor	rfp	hill.inv
57976	57976~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
57976	57976~EPA	ap1-agonist_ch2	Activator	cca	gnls
57976	57976~EPA	ap1-agonist_ratio	Activator	cca	gnls
57976	57976~EPA	ap1-agonist_via	Inactive	cca	cnst
57976	57976~EPA	are-bla_ch1	Repressor	cca	hill.inv
57976	57976~EPA	are-bla_ch2	Activator	cca	gnls
57976	57976~EPA	are-bla_ratio	Activator	cca	gnls
57976	57976~EPA	are-bla_via	Repressor	cca	hill.inv
57976	57976~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
57976	57976~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
57976	57976~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
57976	57976~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	gnls.inv
57976	57976~EPA	hse-bla_ch1	Repressor	cca	hill.inv
57976	57976~EPA	hse-bla_ch2	Activator	cca	hill
57976	57976~EPA	hse-bla_ratio	Activator	cca	hill
57976	57976~EPA	hse-bla_via	Inactive	cca	cnst
57976	57976~EPA	p53-bla_ch1	Complex	cca	gnls
57976	57976~EPA	p53-bla_ch2	Activator	cca	gnls
57976	57976~EPA	p53-bla_ratio	Activator	cca	hill
57976	57976~EPA	p53-bla_via	Inactive	cca	cnst
57976	57976~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
57976	57976~NTP	ap1-agonist_ch2	Activator	EOC	gnls
57976	57976~NTP	ap1-agonist_ratio	Activator	EOC	gnls
57976	57976~NTP	ap1-agonist_via	Inactive	EOC	cnst
57976	57976~NTP	are-bla_ch1	Repressor	EUC/POC	gnls.inv
57976	57976~NTP	are-bla_ch2	Activator	EUC/POC	hill
57976	57976~NTP	are-bla_ratio	Activator	EUC/POC	hill
57976	57976~NTP	are-bla_via	Inactive	EUC/POC	cnst
57976	57976~NTP	esre-bla_ch1	Inactive	EUC	cnst
57976	57976~NTP	esre-bla_ch2	Activator	EUC	hill
57976	57976~NTP	esre-bla_ratio	Activator	EUC	hill
57976	57976~NTP	esre-bla_via	Inactive	EUC	cnst
57976	57976~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
57976	57976~NTP	hre-bla-agonist_ch2	Activator	cca	hill
57976	57976~NTP	hre-bla-agonist_ratio	Activator	cca	hill
57976	57976~NTP	hre-bla-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
57976	57976~NTP	hse-bla_ch1	Inactive	cca	cnst
57976	57976~NTP	hse-bla_ch2	Activator	cca	hill
57976	57976~NTP	hse-bla_ratio	Activator	cca	hill
57976	57976~NTP	hse-bla_via	Inactive	cca	cnst
57976	57976~NTP	nfkb-bla-agonist_ch1	Inactive	PUC	cnst
57976	57976~NTP	nfkb-bla-agonist_ch2	Activator	PUC	hill
57976	57976~NTP	nfkb-bla-agonist_ratio	Activator	PUC	hill
57976	57976~NTP	nfkb-bla-agonist_via	Inactive	PUC	cnst
57976	57976~NTP	p53-bla_ch1	Inactive	EUC	cnst
57976	57976~NTP	p53-bla_ch2	Activator	EUC	hill
57976	57976~NTP	p53-bla_ratio	Activator	EUC	hill
57976	57976~NTP	p53-bla_via	Inactive	EUC	cnst
58004	58004~FDA	are-bla_ch1	Repressor	cca	hill.inv
58004	58004~FDA	are-bla_ch2	Activator	cca	gnls
58004	58004~FDA	are-bla_ratio	Activator	cca	gnls
58004	58004~FDA	are-bla_via	Repressor	cca	hill.inv
580518	580518~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
580518	580518~NTP	ap1-agonist_ch2	Activator	cca	hill
580518	580518~NTP	ap1-agonist_ratio	Activator	cca	hill
580518	580518~NTP	ap1-agonist_via	Inactive	cca	cnst
58066856	58066856~FDA	ap1-agonist_ch1	Inactive	cca	cnst
58066856	58066856~FDA	ap1-agonist_ch2	Activator	cca	hill
58066856	58066856~FDA	ap1-agonist_ratio	Activator	cca	hill
58066856	58066856~FDA	ap1-agonist_via	Inactive	cca	cnst
58082	58082~NTP	are-bla_ch1	Repressor	cca	hill.inv
58082	58082~NTP	are-bla_ch2	Activator	cca	gnls
58082	58082~NTP	are-bla_ratio	Activator	cca	gnls
58082	58082~NTP	are-bla_via	Repressor	cca	hill.inv
58140	58140~EPA	are-bla_ch1	Inactive	cca	cnst
58140	58140~EPA	are-bla_ch2	Activator	cca	hill
58140	58140~EPA	are-bla_ratio	Activator	cca	hill
58140	58140~EPA	are-bla_via	Repressor	cca	hill.inv
58140	58140~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
58140	58140~NTP	ap1-agonist_ch2	Activator	cca	hill
58140	58140~NTP	ap1-agonist_ratio	Activator	cca	hill
58140	58140~NTP	ap1-agonist_via	Inactive	cca	cnst
58140	58140~NTP	are-bla_ch1	Inactive	cca	cnst
58140	58140~NTP	are-bla_ch2	Activator	cca	gnls
58140	58140~NTP	are-bla_ratio	Activator	cca	gnls
58140	58140~NTP	are-bla_via	Repressor	cca	hill.inv
58184	58184~EPA	are-bla_ch1	Inactive	EUC	cnst
58184	58184~EPA	are-bla_ch2	Activator	EUC	hill
58184	58184~EPA	are-bla_ratio	Activator	EUC	hill
58184	58184~EPA	are-bla_via	Inactive	EUC	cnst
58184	58184~FDA	are-bla_ch1	Inactive	cca	cnst
58184	58184~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
58184	58184~FDA	are-bla_ratio	Activator	cca	hill
58184	58184~FDA	are-bla_via	Inactive	cca	cnst
58184	58184~NTP	are-bla_ch1	Inactive	EUC	cnst
58184	58184~NTP	are-bla_ch2	Activator	EUC	hill
58184	58184~NTP	are-bla_ratio	Activator	EUC	hill
58184	58184~NTP	are-bla_via	Inactive	EUC	cnst
58220	58220~NTP	are-bla_ch1	Inactive	EUC	cnst
58220	58220~NTP	are-bla_ch2	Activator	EUC	hill
58220	58220~NTP	are-bla_ratio	Activator	EUC	hill
58220	58220~NTP	are-bla_via	Inactive	EUC	cnst
58275	58275~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
58275	58275~EPA	ap1-agonist_ch2	Activator	PUC	gnls
58275	58275~EPA	ap1-agonist_ratio	Activator	PUC	hill
58275	58275~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
58275	58275~EPA	are-bla_ch1	Repressor	cca	hill.inv
58275	58275~EPA	are-bla_ch2	Activator	cca	gnls
58275	58275~EPA	are-bla_ratio	Activator	cca	gnls
58275	58275~EPA	are-bla_via	Repressor	cca	hill.inv
58275	58275~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
58275	58275~EPA	esre-bla_ch2	Inactive	rfp	cnst
58275	58275~EPA	esre-bla_ratio	Activator	rfp	hill
58275	58275~EPA	esre-bla_via	Repressor	rfp	hill.inv
58275	58275~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
58275	58275~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
58275	58275~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
58275	58275~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
58275	58275~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
58275	58275~EPA	hse-bla_ch2	Inactive	rfp	cnst
58275	58275~EPA	hse-bla_ratio	Activator	rfp	hill
58275	58275~EPA	hse-bla_via	Repressor	rfp	hill.inv
58275	58275~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
58275	58275~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
58275	58275~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
58275	58275~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
58275	58275~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
58275	58275~EPA	p53-bla_ch2	Activator	EOC	gnls
58275	58275~EPA	p53-bla_ratio	Activator	EOC	hill
58275	58275~EPA	p53-bla_via	Repressor	EOC	hill.inv
58275	58275~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
58275	58275~FDA	ap1-agonist_ch2	Activator	cca	gnls
58275	58275~FDA	ap1-agonist_ratio	Activator	cca	gnls
58275	58275~FDA	ap1-agonist_via	Repressor	cca	hill.inv
58275	58275~FDA	are-bla_ch1	Repressor	cca	hill.inv
58275	58275~FDA	are-bla_ch2	Activator	cca	gnls
58275	58275~FDA	are-bla_ratio	Activator	cca	gnls
58275	58275~FDA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
58275	58275~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
58275	58275~FDA	p53-bla_ch2	Activator	EOC	hill
58275	58275~FDA	p53-bla_ratio	Activator	EOC	hill
58275	58275~FDA	p53-bla_via	Inactive	EOC	cnst
58286	58286~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
58286	58286~FDA	ap1-agonist_ch2	Activator	cca	hill
58286	58286~FDA	ap1-agonist_ratio	Activator	cca	hill
58286	58286~FDA	ap1-agonist_via	Inactive	cca	cnst
58322	58322~FDA	ap1-agonist_ch1	Activator	rfn	hill
58322	58322~FDA	ap1-agonist_ch2	Activator	rfn	hill
58322	58322~FDA	ap1-agonist_ratio	Inactive	rfn	cnst
58322	58322~FDA	ap1-agonist_via	Inactive	rfn	cnst
58322	58322~FDA	are-bla_ch1	Activator	rfn	hill
58322	58322~FDA	are-bla_ch2	Activator	rfn	hill
58322	58322~FDA	are-bla_ratio	Inactive	rfn	cnst
58322	58322~FDA	are-bla_via	Inactive	rfn	cnst
58322	58322~FDA	esre-bla_ch1	Activator	EUC	hill
58322	58322~FDA	esre-bla_ch2	Activator	EUC	hill
58322	58322~FDA	esre-bla_ratio	Activator	EUC	hill
58322	58322~FDA	esre-bla_via	Inactive	EUC	cnst
58322	58322~FDA	hre-bla-agonist_ch1	Activator	EUC	hill
58322	58322~FDA	hre-bla-agonist_ch2	Activator	EUC	hill
58322	58322~FDA	hre-bla-agonist_ratio	Activator	EUC	hill
58322	58322~FDA	hre-bla-agonist_via	Repressor	EUC	hill.inv
58322	58322~FDA	hse-bla_ch1	Activator	EUC/POC	hill
58322	58322~FDA	hse-bla_ch2	Activator	EUC/POC	hill
58322	58322~FDA	hse-bla_ratio	Activator	EUC/POC	hill
58322	58322~FDA	hse-bla_via	Repressor	EUC/POC	hill.inv
58322	58322~FDA	nfkb-bla-agonist_ch1	Activator	EUC	hill
58322	58322~FDA	nfkb-bla-agonist_ch2	Activator	EUC	hill
58322	58322~FDA	nfkb-bla-agonist_ratio	Activator	EUC	hill
58322	58322~FDA	nfkb-bla-agonist_via	Inactive	EUC	cnst
58322	58322~FDA	p53-bla_ch1	Activator	cca	hill
58322	58322~FDA	p53-bla_ch2	Activator	cca	hill
58322	58322~FDA	p53-bla_ratio	Activator	cca	hill
58322	58322~FDA	p53-bla_via	Inactive	cca	cnst
58333	58333~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
58333	58333~EPA	ap1-agonist_ch2	Activator	cca	gnls
58333	58333~EPA	ap1-agonist_ratio	Activator	cca	gnls
58333	58333~EPA	ap1-agonist_via	Inactive	cca	cnst
58333	58333~EPA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
58333	58333~EPA	nfkb-bla-agonist_ch2	Activator	cca	hill
58333	58333~EPA	nfkb-bla-agonist_ratio	Activator	cca	hill
58333	58333~EPA	nfkb-bla-agonist_via	Inactive	cca	cnst
58333	58333~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
58333	58333~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
58333	58333~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
58333	58333~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
58333	58333~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
58333	58333~NTP	ap1-agonist_ch2	Activator	cca	gnls
58333	58333~NTP	ap1-agonist_ratio	Activator	cca	gnls
58333	58333~NTP	ap1-agonist_via	Inactive	cca	cnst
58333	58333~NTP	p53-bla_ch1	Activator	rfp	hill
58333	58333~NTP	p53-bla_ch2	Inactive	rfp	cnst
58333	58333~NTP	p53-bla_ratio	Activator	rfp	hill
58333	58333~NTP	p53-bla_via	Complex	rfp	gnls
58338593	58338593~FDA	are-bla_ch1	Inactive	cca	cnst
58338593	58338593~FDA	are-bla_ch2	Activator	cca	hill
58338593	58338593~FDA	are-bla_ratio	Activator	cca	gnls
58338593	58338593~FDA	are-bla_via	Inactive	cca	cnst
58338593	58338593~FDA	p53-bla_ch1	Inactive	cca	cnst
58338593	58338593~FDA	p53-bla_ch2	Activator	cca	hill
58338593	58338593~FDA	p53-bla_ratio	Activator	cca	hill
58338593	58338593~FDA	p53-bla_via	Inactive	cca	cnst
5836102	5836102~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
5836102	5836102~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
5836102	5836102~EPA	ap1-agonist_ratio	Activator	rfp	hill
5836102	5836102~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
5836102	5836102~EPA	are-bla_ch1	Inactive	cca	cnst
5836102	5836102~EPA	are-bla_ch2	Activator	cca	hill
5836102	5836102~EPA	are-bla_ratio	Activator	cca	hill
5836102	5836102~EPA	are-bla_via	Inactive	cca	cnst
5836102	5836102~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
5836102	5836102~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
5836102	5836102~EPA	esre-bla_ratio	Activator	rfp	hill
5836102	5836102~EPA	esre-bla_via	Repressor	rfp	hill.inv
5836102	5836102~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
5836102	5836102~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
5836102	5836102~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
5836102	5836102~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
5836102	5836102~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
5836102	5836102~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
5836102	5836102~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
5836102	5836102~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
5843538	5843538~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
5843538	5843538~FDA	ap1-agonist_ch2	Activator	cca	hill
5843538	5843538~FDA	ap1-agonist_ratio	Activator	cca	hill
5843538	5843538~FDA	ap1-agonist_via	Inactive	cca	cnst
584792	584792~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
584792	584792~EPA	ap1-agonist_ch2	Activator	EOC	hill
584792	584792~EPA	ap1-agonist_ratio	Activator	EOC	hill
584792	584792~EPA	ap1-agonist_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
584792	584792~EPA	are-bla_ch1	Inactive	cca	cnst
584792	584792~EPA	are-bla_ch2	Activator	cca	hill
584792	584792~EPA	are-bla_ratio	Activator	cca	hill
584792	584792~EPA	are-bla_via	Inactive	cca	cnst
584792	584792~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
584792	584792~EPA	hse-bla_ch2	Inactive	rfp	cnst
584792	584792~EPA	hse-bla_ratio	Activator	rfp	hill
584792	584792~EPA	hse-bla_via	Repressor	rfp	hill.inv
584792	584792~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
584792	584792~FDA	ap1-agonist_ch2	Activator	EOC	hill
584792	584792~FDA	ap1-agonist_ratio	Activator	EOC	hill
584792	584792~FDA	ap1-agonist_via	Inactive	EOC	cnst
584792	584792~FDA	are-bla_ch1	Inactive	cca	cnst
584792	584792~FDA	are-bla_ch2	Activator	cca	hill
584792	584792~FDA	are-bla_ratio	Activator	cca	hill
584792	584792~FDA	are-bla_via	Inactive	cca	cnst
584792	584792~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
584792	584792~NTP	ap1-agonist_ch2	Activator	EOC	hill
584792	584792~NTP	ap1-agonist_ratio	Activator	EOC	hill
584792	584792~NTP	ap1-agonist_via	Inactive	EOC	cnst
584792	584792~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
584792	584792~NTP	hse-bla_ch2	Inactive	rfp	cnst
584792	584792~NTP	hse-bla_ratio	Activator	rfp	hill
584792	584792~NTP	hse-bla_via	Repressor	rfp	hill.inv
584792	584792~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
584792	584792~NTP	p53-bla_ch2	Inactive	rfp	cnst
584792	584792~NTP	p53-bla_ratio	Activator	rfp	hill
584792	584792~NTP	p53-bla_via	Repressor	rfp	hill.inv
584849	584849~EPA	are-bla_ch1	Repressor	cca	hill.inv
584849	584849~EPA	are-bla_ch2	Activator	cca	hill
584849	584849~EPA	are-bla_ratio	Activator	cca	hill
584849	584849~EPA	are-bla_via	Inactive	cca	cnst
58548	58548~FDA	are-bla_ch1	Complex	EUC/POC	gnls.inv
58548	58548~FDA	are-bla_ch2	Activator	EUC/POC	gnls
58548	58548~FDA	are-bla_ratio	Activator	EUC/POC	gnls
58548	58548~FDA	are-bla_via	Inactive	EUC/POC	cnst
58548	58548~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
58548	58548~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
58548	58548~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
58548	58548~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
58548	58548~FDA	hse-bla_ch1	Repressor	cca	hill.inv
58548	58548~FDA	hse-bla_ch2	Activator	cca	gnls
58548	58548~FDA	hse-bla_ratio	Activator	cca	gnls
58548	58548~FDA	hse-bla_via	Repressor	cca	hill.inv
58548	58548~FDA	p53-bla_ch1	Inactive	EUC	cnst
58548	58548~FDA	p53-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
58548	58548~FDA	p53-bla_ratio	Activator	EUC	hill
58548	58548~FDA	p53-bla_via	Inactive	EUC	cnst
58548	58548~NTP	are-bla_ch1	Complex	cca	gnls
58548	58548~NTP	are-bla_ch2	Activator	cca	gnls
58548	58548~NTP	are-bla_ratio	Activator	cca	gnls
58548	58548~NTP	are-bla_via	Repressor	cca	hill.inv
58548	58548~NTP	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
58548	58548~NTP	hre-bla-agonist_ch2	Activator	EOC	hill
58548	58548~NTP	hre-bla-agonist_ratio	Activator	EOC	hill
58548	58548~NTP	hre-bla-agonist_via	Repressor	EOC	hill.inv
58548	58548~NTP	hse-bla_ch1	Repressor	cca	hill.inv
58548	58548~NTP	hse-bla_ch2	Activator	cca	gnls
58548	58548~NTP	hse-bla_ratio	Activator	cca	gnls
58548	58548~NTP	hse-bla_via	Inactive	cca	cnst
58548	58548~NTP	p53-bla_ch1	Repressor	cca	hill.inv
58548	58548~NTP	p53-bla_ch2	Activator	cca	gnls
58548	58548~NTP	p53-bla_ratio	Activator	cca	gnls
58548	58548~NTP	p53-bla_via	Repressor	cca	hill.inv
58582	58582~FDA	p53-bla_ch1	Repressor	cca	hill.inv
58582	58582~FDA	p53-bla_ch2	Activator	cca	gnls
58582	58582~FDA	p53-bla_ratio	Activator	cca	gnls
58582	58582~FDA	p53-bla_via	Repressor	cca	hill.inv
58594722	58594722~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
58594722	58594722~FDA	ap1-agonist_ch2	Activator	EOC	hill
58594722	58594722~FDA	ap1-agonist_ratio	Activator	EOC	hill
58594722	58594722~FDA	ap1-agonist_via	Inactive	EOC	cnst
58594722	58594722~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
58594722	58594722~FDA	esre-bla_ch2	Inactive	rfp	cnst
58594722	58594722~FDA	esre-bla_ratio	Activator	rfp	hill
58594722	58594722~FDA	esre-bla_via	Inactive	rfp	cnst
58594722	58594722~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
58594722	58594722~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
58594722	58594722~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
58594722	58594722~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
58594722	58594722~FDA	hse-bla_ch1	Repressor	cca	hill.inv
58594722	58594722~FDA	hse-bla_ch2	Activator	cca	hill
58594722	58594722~FDA	hse-bla_ratio	Activator	cca	hill
58594722	58594722~FDA	hse-bla_via	Inactive	cca	cnst
586981	586981~FDA	are-bla_ch1	Repressor	cca	hill.inv
586981	586981~FDA	are-bla_ch2	Activator	cca	hill
586981	586981~FDA	are-bla_ratio	Activator	cca	hill
586981	586981~FDA	are-bla_via	Inactive	cca	cnst
58731	58731~FDA	ap1-agonist_ch1	Inactive	cca	cnst
58731	58731~FDA	ap1-agonist_ch2	Activator	cca	hill
58731	58731~FDA	ap1-agonist_ratio	Activator	cca	hill
58731	58731~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
587655	587655~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
587655	587655~EPA	ap1-agonist_ch2	Activator	cca	hill
587655	587655~EPA	ap1-agonist_ratio	Activator	cca	hill
587655	587655~EPA	ap1-agonist_via	Inactive	cca	cnst
587655	587655~EPA	are-bla_ch1	Repressor	cca	hill.inv
587655	587655~EPA	are-bla_ch2	Activator	cca	hill
587655	587655~EPA	are-bla_ratio	Activator	cca	hill
587655	587655~EPA	are-bla_via	Inactive	cca	cnst
587655	587655~EPA	hse-bla_ch1	Repressor	cca	hill.inv
587655	587655~EPA	hse-bla_ch2	Activator	cca	gnls
587655	587655~EPA	hse-bla_ratio	Activator	cca	gnls
587655	587655~EPA	hse-bla_via	Repressor	cca	hill.inv
58769203	58769203~EPA	are-bla_ch1	Repressor	cca	hill.inv
58769203	58769203~EPA	are-bla_ch2	Activator	cca	gnls
58769203	58769203~EPA	are-bla_ratio	Activator	cca	gnls
58769203	58769203~EPA	are-bla_via	Inactive	cca	cnst
58769203	58769203~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
58769203	58769203~EPA	p53-bla_ch2	Inactive	rfp	cnst
58769203	58769203~EPA	p53-bla_ratio	Activator	rfp	hill
58769203	58769203~EPA	p53-bla_via	Inactive	rfp	cnst
587859	587859~EPA	are-bla_ch1	Repressor	PUC	hill.inv
587859	587859~EPA	are-bla_ch2	Activator	PUC	hill
587859	587859~EPA	are-bla_ratio	Activator	PUC	hill
587859	587859~EPA	are-bla_via	Inactive	PUC	cnst
587859	587859~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
587859	587859~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
587859	587859~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
587859	587859~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
587859	587859~EPA	p53-bla_ch1	Inactive	cca	cnst
587859	587859~EPA	p53-bla_ch2	Activator	cca	gnls
587859	587859~EPA	p53-bla_ratio	Activator	cca	hill
587859	587859~EPA	p53-bla_via	Inactive	cca	cnst
587906	587906~FDA	are-bla_ch1	Inactive	PUC	cnst
587906	587906~FDA	are-bla_ch2	Activator	PUC	hill
587906	587906~FDA	are-bla_ratio	Activator	PUC	hill
587906	587906~FDA	are-bla_via	Repressor	PUC	hill.inv
588941451	588941451~EPA	are-bla_ch1	Inactive	cca	cnst
588941451	588941451~EPA	are-bla_ch2	Activator	cca	hill
588941451	588941451~EPA	are-bla_ratio	Activator	cca	hill
588941451	588941451~EPA	are-bla_via	Inactive	cca	cnst
58899	58899~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
58899	58899~EPA	ap1-agonist_ch2	Activator	EOC	hill
58899	58899~EPA	ap1-agonist_ratio	Activator	EOC	hill
58899	58899~EPA	ap1-agonist_via	Inactive	EOC	cnst
58899	58899~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
58899	58899~NTP	ap1-agonist_ch2	Activator	EOC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
58899	58899~NTP	ap1-agonist_ratio	Activator	EOC	hill
58899	58899~NTP	ap1-agonist_via	Inactive	EOC	cnst
58902	58902~EPA	are-bla_ch1	Repressor	cca	hill.inv
58902	58902~EPA	are-bla_ch2	Activator	cca	gnls
58902	58902~EPA	are-bla_ratio	Activator	cca	gnls
58902	58902~EPA	are-bla_via	Inactive	cca	cnst
58902	58902~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
58902	58902~EPA	p53-bla_ch2	Inactive	rfp	cnst
58902	58902~EPA	p53-bla_ratio	Activator	rfp	hill
58902	58902~EPA	p53-bla_via	Repressor	rfp	hill.inv
58902	58902~NTP	are-bla_ch1	Repressor	EOC	hill.inv
58902	58902~NTP	are-bla_ch2	Activator	EOC	hill
58902	58902~NTP	are-bla_ratio	Activator	EOC	hill
58902	58902~NTP	are-bla_via	Inactive	EOC	cnst
58902	58902~NTP	p53-bla_ch1	Repressor	cca	hill.inv
58902	58902~NTP	p53-bla_ch2	Activator	cca	hill
58902	58902~NTP	p53-bla_ratio	Activator	cca	hill
58902	58902~NTP	p53-bla_via	Inactive	cca	cnst
58946	58946~FDA	are-bla_ch1	Inactive	cca	cnst
58946	58946~FDA	are-bla_ch2	Activator	cca	hill
58946	58946~FDA	are-bla_ratio	Activator	cca	hill
58946	58946~FDA	are-bla_via	Inactive	cca	cnst
589662	589662~NTP	ap1-agonist_ch1	Inactive	cca	cnst
589662	589662~NTP	ap1-agonist_ch2	Activator	cca	hill
589662	589662~NTP	ap1-agonist_ratio	Activator	cca	hill
589662	589662~NTP	ap1-agonist_via	Inactive	cca	cnst
59052	59052~EPA	are-bla_ch1	Inactive	cca	cnst
59052	59052~EPA	are-bla_ch2	Activator	cca	hill
59052	59052~EPA	are-bla_ratio	Activator	cca	hill
59052	59052~EPA	are-bla_via	Repressor	cca	hill.inv
59052	59052~EPA	p53-bla_ch1	Repressor	cca	hill.inv
59052	59052~EPA	p53-bla_ch2	Activator	cca	hill
59052	59052~EPA	p53-bla_ratio	Activator	cca	hill
59052	59052~EPA	p53-bla_via	Repressor	cca	hill.inv
59052	59052~FDA	are-bla_ch1	Inactive	EUC/POC	cnst
59052	59052~FDA	are-bla_ch2	Activator	EUC/POC	gnls
59052	59052~FDA	are-bla_ratio	Activator	EUC/POC	hill
59052	59052~FDA	are-bla_via	Repressor	EUC/POC	hill.inv
59052	59052~FDA	p53-bla_ch1	Repressor	cca	hill.inv
59052	59052~FDA	p53-bla_ch2	Activator	cca	hill
59052	59052~FDA	p53-bla_ratio	Activator	cca	hill
59052	59052~FDA	p53-bla_via	Repressor	cca	hill.inv
591355	591355~NTP	are-bla_ch1	Inactive	EUC	cnst
591355	591355~NTP	are-bla_ch2	Activator	EUC	hill
591355	591355~NTP	are-bla_ratio	Activator	EUC	hill
591355	591355~NTP	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
59227893	59227893~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
59227893	59227893~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
59227893	59227893~EPA	ap1-agonist_ratio	Activator	rfp	hill
59227893	59227893~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
59227893	59227893~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
59227893	59227893~EPA	hse-bla_ch2	Inactive	rfp	cnst
59227893	59227893~EPA	hse-bla_ratio	Activator	rfp	hill
59227893	59227893~EPA	hse-bla_via	Repressor	rfp	hill.inv
592427	592427~NTP	ap1-agonist_ch1	Inactive	cca	cnst
592427	592427~NTP	ap1-agonist_ch2	Activator	cca	hill
592427	592427~NTP	ap1-agonist_ratio	Activator	cca	hill
592427	592427~NTP	ap1-agonist_via	Inactive	cca	cnst
5930289	5930289~EPA	are-bla_ch1	Inactive	cca	cnst
5930289	5930289~EPA	are-bla_ch2	Activator	cca	hill
5930289	5930289~EPA	are-bla_ratio	Activator	cca	hill
5930289	5930289~EPA	are-bla_via	Inactive	cca	cnst
59333674	59333674~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
59333674	59333674~NTP	ap1-agonist_ch2	Activator	EOC	gnls
59333674	59333674~NTP	ap1-agonist_ratio	Activator	EOC	gnls
59333674	59333674~NTP	ap1-agonist_via	Inactive	EOC	cnst
59333674	59333674~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
59333674	59333674~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
59333674	59333674~NTP	p53-bla_ratio	Activator	rfp	hill
59333674	59333674~NTP	p53-bla_via	Repressor	rfp	hill.inv
59336	59336~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
59336	59336~NTP	ap1-agonist_ch2	Activator	EOC	hill
59336	59336~NTP	ap1-agonist_ratio	Activator	EOC	hill
59336	59336~NTP	ap1-agonist_via	Inactive	EOC	cnst
594309	594309~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
594309	594309~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
594309	594309~EPA	ap1-agonist_ratio	Activator	rfp	hill
594309	594309~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
594309	594309~EPA	are-bla_ch1	Repressor	cca	hill.inv
594309	594309~EPA	are-bla_ch2	Activator	cca	gnls
594309	594309~EPA	are-bla_ratio	Activator	cca	gnls
594309	594309~EPA	are-bla_via	Repressor	cca	hill.inv
594309	594309~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
594309	594309~EPA	esre-bla_ch2	Inactive	rfp	cnst
594309	594309~EPA	esre-bla_ratio	Activator	rfp	hill
594309	594309~EPA	esre-bla_via	Repressor	rfp	hill.inv
594309	594309~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
594309	594309~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
594309	594309~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
594309	594309~EPA	hre-bla-agonist_via	Complex	EOC/PUC	gnls
594309	594309~EPA	hse-bla_ch1	Repressor	EUC	hill.inv
594309	594309~EPA	hse-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
594309	594309~EPA	hse-bla_ratio	Activator	EUC	hill
594309	594309~EPA	hse-bla_via	Repressor	EUC	hill.inv
594309	594309~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
594309	594309~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
594309	594309~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
594309	594309~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
594309	594309~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
594309	594309~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
594309	594309~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
594309	594309~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
59529	59529~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
59529	59529~FDA	p53-bla_ch2	Inactive	rfp	cnst
59529	59529~FDA	p53-bla_ratio	Activator	rfp	hill
59529	59529~FDA	p53-bla_via	Repressor	rfp	hill.inv
595335	595335~EPA	are-bla_ch1	Repressor	cca	hill.inv
595335	595335~EPA	are-bla_ch2	Activator	cca	hill
595335	595335~EPA	are-bla_ratio	Activator	cca	gnls
595335	595335~EPA	are-bla_via	Inactive	cca	cnst
595335	595335~FDA	are-bla_ch1	Inactive	EUC	cnst
595335	595335~FDA	are-bla_ch2	Activator	EUC	hill
595335	595335~FDA	are-bla_ratio	Activator	EUC	hill
595335	595335~FDA	are-bla_via	Inactive	EUC	cnst
59858	59858~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
59858	59858~EPA	ap1-agonist_ch2	Activator	EOC	gnls
59858	59858~EPA	ap1-agonist_ratio	Activator	EOC	gnls
59858	59858~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
59858	59858~EPA	are-bla_ch1	Repressor	EOC	hill.inv
59858	59858~EPA	are-bla_ch2	Activator	EOC	gnls
59858	59858~EPA	are-bla_ratio	Activator	EOC	gnls
59858	59858~EPA	are-bla_via	Repressor	EOC	hill.inv
59858	59858~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
59858	59858~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
59858	59858~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
59858	59858~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
59858	59858~EPA	hse-bla_ch1	Repressor	cca	hill.inv
59858	59858~EPA	hse-bla_ch2	Activator	cca	gnls
59858	59858~EPA	hse-bla_ratio	Activator	cca	gnls
59858	59858~EPA	hse-bla_via	Inactive	cca	cnst
598641	598641~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
598641	598641~NTP	ap1-agonist_ch2	Activator	cca	gnls
598641	598641~NTP	ap1-agonist_ratio	Activator	cca	gnls
598641	598641~NTP	ap1-agonist_via	Inactive	cca	cnst
598641	598641~NTP	are-bla_ch1	Inactive	cca	cnst
598641	598641~NTP	are-bla_ch2	Activator	cca	hill
598641	598641~NTP	are-bla_ratio	Activator	cca	gnls
598641	598641~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
598641	598641~NTP	esre-bla_ch1	Complex	rfp	gnls.inv
598641	598641~NTP	esre-bla_ch2	Inactive	rfp	cnst
598641	598641~NTP	esre-bla_ratio	Activator	rfp	gnls
598641	598641~NTP	esre-bla_via	Inactive	rfp	cnst
598641	598641~NTP	hse-bla_ch1	Repressor	cca	hill.inv
598641	598641~NTP	hse-bla_ch2	Activator	cca	gnls
598641	598641~NTP	hse-bla_ratio	Activator	cca	hill
598641	598641~NTP	hse-bla_via	Complex	cca	gnls.inv
59865133	59865133~EPA	are-bla_ch1	Inactive	cca	cnst
59865133	59865133~EPA	are-bla_ch2	Activator	cca	hill
59865133	59865133~EPA	are-bla_ratio	Activator	cca	hill
59865133	59865133~EPA	are-bla_via	Inactive	cca	cnst
59865133	59865133~FDA	are-bla_ch1	Inactive	EUC	cnst
59865133	59865133~FDA	are-bla_ch2	Activator	EUC	hill
59865133	59865133~FDA	are-bla_ratio	Activator	EUC	hill
59865133	59865133~FDA	are-bla_via	Inactive	EUC	cnst
59865133	59865133~FDA	esre-bla_ch1	Activator	cca	gnls
59865133	59865133~FDA	esre-bla_ch2	Activator	cca	gnls
59865133	59865133~FDA	esre-bla_ratio	Activator	cca	gnls
59865133	59865133~FDA	esre-bla_via	Inactive	cca	cnst
59870	59870~EPA	are-bla_ch1	Repressor	cca	hill.inv
59870	59870~EPA	are-bla_ch2	Activator	cca	gnls
59870	59870~EPA	are-bla_ratio	Activator	cca	gnls
59870	59870~EPA	are-bla_via	Repressor	cca	hill.inv
59870	59870~FDA	are-bla_ch1	Repressor	cca	hill.inv
59870	59870~FDA	are-bla_ch2	Activator	cca	gnls
59870	59870~FDA	are-bla_ratio	Activator	cca	gnls
59870	59870~FDA	are-bla_via	Repressor	cca	hill.inv
59870	59870~NTP	are-bla_ch1	Repressor	cca	hill.inv
59870	59870~NTP	are-bla_ch2	Activator	cca	gnls
59870	59870~NTP	are-bla_ratio	Activator	cca	gnls
59870	59870~NTP	are-bla_via	Repressor	cca	hill.inv
59881	59881~NTP	are-bla_ch1	Inactive	cca	cnst
59881	59881~NTP	are-bla_ch2	Activator	cca	hill
59881	59881~NTP	are-bla_ratio	Activator	cca	hill
59881	59881~NTP	are-bla_via	Inactive	cca	cnst
598914	598914~NTP	are-bla_ch1	Activator	cca	hill
598914	598914~NTP	are-bla_ch2	Activator	cca	gnls
598914	598914~NTP	are-bla_ratio	Activator	cca	gnls
598914	598914~NTP	are-bla_via	Repressor	cca	hill.inv
598914	598914~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
598914	598914~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
598914	598914~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
598914	598914~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
59917394	59917394~FDA	p53-bla_ch1	Inactive	EUC	cnst
59917394	59917394~FDA	p53-bla_ch2	Activator	EUC	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
59917394	59917394~FDA	p53-bla_ratio	Activator	EUC	gnls
59917394	59917394~FDA	p53-bla_via	Inactive	EUC	cnst
599179030	599179030~FDA	are-bla_ch1	Inactive	cca	cnst
599179030	599179030~FDA	are-bla_ch2	Activator	cca	hill
599179030	599179030~FDA	are-bla_ratio	Activator	cca	hill
599179030	599179030~FDA	are-bla_via	Inactive	cca	cnst
59937289	59937289~FDA	are-bla_ch1	Inactive	PUC	cnst
59937289	59937289~FDA	are-bla_ch2	Activator	PUC	hill
59937289	59937289~FDA	are-bla_ratio	Activator	PUC	hill
59937289	59937289~FDA	are-bla_via	Inactive	PUC	cnst
59961	59961~FDA	are-bla_ch1	Inactive	cca	cnst
59961	59961~FDA	are-bla_ch2	Activator	cca	gnls
59961	59961~FDA	are-bla_ratio	Activator	cca	gnls
59961	59961~FDA	are-bla_via	Inactive	cca	cnst
599644	599644~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
599644	599644~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
599644	599644~EPA	ap1-agonist_ratio	Activator	rfp	hill
599644	599644~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
599644	599644~EPA	are-bla_ch1	Repressor	EOC	hill.inv
599644	599644~EPA	are-bla_ch2	Activator	EOC	hill
599644	599644~EPA	are-bla_ratio	Activator	EOC	hill
599644	599644~EPA	are-bla_via	Inactive	EOC	cnst
599644	599644~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
599644	599644~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
599644	599644~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
599644	599644~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
599644	599644~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
599644	599644~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
599644	599644~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
599644	599644~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
599644	599644~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
599644	599644~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
599644	599644~NTP	ap1-agonist_ratio	Activator	rfp	hill
599644	599644~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
599644	599644~NTP	are-bla_ch1	Repressor	cca	hill.inv
599644	599644~NTP	are-bla_ch2	Activator	cca	gnls
599644	599644~NTP	are-bla_ratio	Activator	cca	hill
599644	599644~NTP	are-bla_via	Repressor	cca	hill.inv
599644	599644~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
599644	599644~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
599644	599644~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
599644	599644~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
599644	599644~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
599644	599644~NTP	p53-bla_ch2	Inactive	rfp	cnst
599644	599644~NTP	p53-bla_ratio	Activator	rfp	hill
599644	599644~NTP	p53-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
599791	599791~EPA	are-bla_ch1	Inactive	rfn	cnst
599791	599791~EPA	are-bla_ch2	Activator	rfn	hill
599791	599791~EPA	are-bla_ratio	Inactive	rfn	cnst
599791	599791~EPA	are-bla_via	Inactive	rfn	cnst
600055	600055~NTP	are-bla_ch1	Inactive	cca	cnst
600055	600055~NTP	are-bla_ch2	Activator	cca	hill
600055	600055~NTP	are-bla_ratio	Activator	cca	hill
600055	600055~NTP	are-bla_via	Inactive	cca	cnst
60093	60093~EPA	are-bla_ch1	Repressor	cca	hill.inv
60093	60093~EPA	are-bla_ch2	Activator	cca	gnls
60093	60093~EPA	are-bla_ratio	Activator	cca	hill
60093	60093~EPA	are-bla_via	Inactive	cca	cnst
60093	60093~FDA	are-bla_ch1	Repressor	cca	hill.inv
60093	60093~FDA	are-bla_ch2	Activator	cca	gnls
60093	60093~FDA	are-bla_ratio	Activator	cca	hill
60093	60093~FDA	are-bla_via	Inactive	cca	cnst
60093	60093~NTP	are-bla_ch1	Repressor	cca	hill.inv
60093	60093~NTP	are-bla_ch2	Activator	cca	gnls
60093	60093~NTP	are-bla_ratio	Activator	cca	hill
60093	60093~NTP	are-bla_via	Inactive	cca	cnst
60117	60117~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
60117	60117~NTP	are-bla_ch2	Activator	EOC/PUC	hill
60117	60117~NTP	are-bla_ratio	Activator	EOC/PUC	hill
60117	60117~NTP	are-bla_via	Inactive	EOC/PUC	cnst
60168889	60168889~EPA	are-bla_ch1	Inactive	cca	cnst
60168889	60168889~EPA	are-bla_ch2	Activator	cca	hill
60168889	60168889~EPA	are-bla_ratio	Activator	cca	hill
60168889	60168889~EPA	are-bla_via	Inactive	cca	cnst
60168889	60168889~NTP	are-bla_ch1	Inactive	EUC	cnst
60168889	60168889~NTP	are-bla_ch2	Activator	EUC	hill
60168889	60168889~NTP	are-bla_ratio	Activator	EUC	hill
60168889	60168889~NTP	are-bla_via	Inactive	EUC	cnst
602017	602017~EPA	are-bla_ch1	Repressor	cca	hill.inv
602017	602017~EPA	are-bla_ch2	Activator	cca	hill
602017	602017~EPA	are-bla_ratio	Activator	cca	hill
602017	602017~EPA	are-bla_via	Inactive	cca	cnst
602017	602017~FDA	are-bla_ch1	Repressor	cca	hill.inv
602017	602017~FDA	are-bla_ch2	Activator	cca	hill
602017	602017~FDA	are-bla_ratio	Activator	cca	hill
602017	602017~FDA	are-bla_via	Inactive	cca	cnst
602017	602017~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
602017	602017~NTP	are-bla_ch2	Activator	EOC/PUC	hill
602017	602017~NTP	are-bla_ratio	Activator	EOC/PUC	hill
602017	602017~NTP	are-bla_via	Inactive	EOC/PUC	cnst
60207310	60207310~EPA	are-bla_ch1	Inactive	rfn	cnst
60207310	60207310~EPA	are-bla_ch2	Activator	rfn	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
60207310	60207310~EPA	are-bla_ratio	Inactive	rfn	cnst
60207310	60207310~EPA	are-bla_via	Inactive	rfn	cnst
60207901	60207901~EPA	are-bla_ch1	Inactive	PUC	cnst
60207901	60207901~EPA	are-bla_ch2	Activator	PUC	hill
60207901	60207901~EPA	are-bla_ratio	Activator	PUC	hill
60207901	60207901~EPA	are-bla_via	Inactive	PUC	cnst
602380	602380~NTP	are-bla_ch1	Repressor	EUC/POC	hill.inv
602380	602380~NTP	are-bla_ch2	Activator	EUC/POC	hill
602380	602380~NTP	are-bla_ratio	Activator	EUC/POC	hill
602380	602380~NTP	are-bla_via	Inactive	EUC/POC	cnst
602608	602608~EPA	are-bla_ch1	Inactive	EUC	cnst
602608	602608~EPA	are-bla_ch2	Activator	EUC	hill
602608	602608~EPA	are-bla_ratio	Activator	EUC	hill
602608	602608~EPA	are-bla_via	Inactive	EUC	cnst
602608	602608~FDA	are-bla_ch1	Inactive	cca	cnst
602608	602608~FDA	are-bla_ch2	Activator	cca	hill
602608	602608~FDA	are-bla_ratio	Activator	cca	hill
602608	602608~FDA	are-bla_via	Inactive	cca	cnst
602608	602608~NTP	are-bla_ch1	Inactive	cca	cnst
602608	602608~NTP	are-bla_ch2	Activator	cca	hill
602608	602608~NTP	are-bla_ratio	Activator	cca	hill
602608	602608~NTP	are-bla_via	Inactive	cca	cnst
602879	602879~EPA	are-bla_ch1	Inactive	EUC	cnst
602879	602879~EPA	are-bla_ch2	Activator	EUC	hill
602879	602879~EPA	are-bla_ratio	Activator	EUC	hill
602879	602879~EPA	are-bla_via	Inactive	EUC	cnst
603338	603338~EPA	are-bla_ch1	Inactive	PUC	cnst
603338	603338~EPA	are-bla_ch2	Activator	PUC	hill
603338	603338~EPA	are-bla_ratio	Activator	PUC	hill
603338	603338~EPA	are-bla_via	Inactive	PUC	cnst
60333	60333~EPA	are-bla_ch1	Inactive	cca	cnst
60333	60333~EPA	are-bla_ch2	Activator	cca	hill
60333	60333~EPA	are-bla_ratio	Activator	cca	hill
60333	60333~EPA	are-bla_via	Inactive	cca	cnst
60333	60333~EPA	hse-bla_ch1	Repressor	cca	hill.inv
60333	60333~EPA	hse-bla_ch2	Activator	cca	gnls
60333	60333~EPA	hse-bla_ratio	Activator	cca	hill
60333	60333~EPA	hse-bla_via	Inactive	cca	cnst
60333	60333~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
60333	60333~EPA	p53-bla_ch2	Inactive	rfp	cnst
60333	60333~EPA	p53-bla_ratio	Activator	rfp	hill
60333	60333~EPA	p53-bla_via	Repressor	rfp	hill.inv
60333	60333~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
60333	60333~NTP	ap1-agonist_ch2	Activator	cca	gnls
60333	60333~NTP	ap1-agonist_ratio	Activator	cca	hill
60333	60333~NTP	ap1-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
603350	603350~EPA	hse-bla_ch1	Inactive	cca	cnst
603350	603350~EPA	hse-bla_ch2	Activator	cca	gnls
603350	603350~EPA	hse-bla_ratio	Activator	cca	gnls
603350	603350~EPA	hse-bla_via	Inactive	cca	cnst
603361	603361~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
603361	603361~NTP	ap1-agonist_ch2	Activator	EOC	hill
603361	603361~NTP	ap1-agonist_ratio	Activator	EOC	hill
603361	603361~NTP	ap1-agonist_via	Inactive	EOC	cnst
603509	603509~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
603509	603509~FDA	ap1-agonist_ch2	Activator	cca	gnls
603509	603509~FDA	ap1-agonist_ratio	Activator	cca	gnls
603509	603509~FDA	ap1-agonist_via	Repressor	cca	hill.inv
603509	603509~FDA	p53-bla_ch1	Activator	cca	hill
603509	603509~FDA	p53-bla_ch2	Activator	cca	hill
603509	603509~FDA	p53-bla_ratio	Activator	cca	hill
603509	603509~FDA	p53-bla_via	Repressor	cca	hill.inv
603509	603509~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
603509	603509~NTP	ap1-agonist_ch2	Activator	cca	gnls
603509	603509~NTP	ap1-agonist_ratio	Activator	cca	gnls
603509	603509~NTP	ap1-agonist_via	Repressor	cca	hill.inv
603509	603509~NTP	are-bla_ch1	Inactive	EUC	cnst
603509	603509~NTP	are-bla_ch2	Activator	EUC	hill
603509	603509~NTP	are-bla_ratio	Activator	EUC	hill
603509	603509~NTP	are-bla_via	Inactive	EUC	cnst
603509	603509~NTP	p53-bla_ch1	Repressor	cca	hill.inv
603509	603509~NTP	p53-bla_ch2	Activator	cca	gnls
603509	603509~NTP	p53-bla_ratio	Activator	cca	hill
603509	603509~NTP	p53-bla_via	Repressor	cca	hill.inv
60506812	60506812~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
60506812	60506812~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
60506812	60506812~EPA	ap1-agonist_ratio	Activator	rfp	gnls
60506812	60506812~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
60506812	60506812~EPA	are-bla_ch1	Repressor	cca	hill.inv
60506812	60506812~EPA	are-bla_ch2	Activator	cca	gnls
60506812	60506812~EPA	are-bla_ratio	Activator	cca	gnls
60506812	60506812~EPA	are-bla_via	Repressor	cca	hill.inv
60506812	60506812~EPA	esre-bla_ch1	Repressor	PUC	hill.inv
60506812	60506812~EPA	esre-bla_ch2	Activator	PUC	gnls
60506812	60506812~EPA	esre-bla_ratio	Activator	PUC	hill
60506812	60506812~EPA	esre-bla_via	Repressor	PUC	hill.inv
60506812	60506812~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
60506812	60506812~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
60506812	60506812~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
60506812	60506812~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
60506812	60506812~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
60506812	60506812~EPA	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
60506812	60506812~EPA	hse-bla_ratio	Activator	rfp	hill
60506812	60506812~EPA	hse-bla_via	Repressor	rfp	hill.inv
60506812	60506812~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
60506812	60506812~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
60506812	60506812~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
60506812	60506812~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
6051872	6051872~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6051872	6051872~EPA	ap1-agonist_ch2	Activator	cca	hill
6051872	6051872~EPA	ap1-agonist_ratio	Activator	cca	hill
6051872	6051872~EPA	ap1-agonist_via	Repressor	cca	hill.inv
6051872	6051872~EPA	are-bla_ch1	Repressor	cca	hill.inv
6051872	6051872~EPA	are-bla_ch2	Activator	cca	hill
6051872	6051872~EPA	are-bla_ratio	Activator	cca	gnls
6051872	6051872~EPA	are-bla_via	Inactive	cca	cnst
605323	605323~NTP	are-bla_ch1	Repressor	EOC	hill.inv
605323	605323~NTP	are-bla_ch2	Activator	EOC	hill
605323	605323~NTP	are-bla_ratio	Activator	EOC	hill
605323	605323~NTP	are-bla_via	Inactive	EOC	cnst
60560	60560~NTP	ap1-agonist_ch1	Inactive	cca	cnst
60560	60560~NTP	ap1-agonist_ch2	Activator	cca	hill
60560	60560~NTP	ap1-agonist_ratio	Activator	cca	hill
60560	60560~NTP	ap1-agonist_via	Inactive	cca	cnst
60561173	60561173~FDA	are-bla_ch1	Inactive	EUC	cnst
60561173	60561173~FDA	are-bla_ch2	Activator	EUC	hill
60561173	60561173~FDA	are-bla_ratio	Activator	EUC	hill
60561173	60561173~FDA	are-bla_via	Inactive	EUC	cnst
605710	605710~NTP	are-bla_ch1	Repressor	cca	hill.inv
605710	605710~NTP	are-bla_ch2	Activator	cca	hill
605710	605710~NTP	are-bla_ratio	Activator	cca	hill
605710	605710~NTP	are-bla_via	Inactive	cca	cnst
60571	60571~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
60571	60571~EPA	ap1-agonist_ch2	Activator	cca	gnls
60571	60571~EPA	ap1-agonist_ratio	Activator	cca	hill
60571	60571~EPA	ap1-agonist_via	Repressor	cca	hill.inv
60571	60571~EPA	are-bla_ch1	Inactive	cca	cnst
60571	60571~EPA	are-bla_ch2	Activator	cca	hill
60571	60571~EPA	are-bla_ratio	Activator	cca	hill
60571	60571~EPA	are-bla_via	Inactive	cca	cnst
60571	60571~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
60571	60571~FDA	ap1-agonist_ch2	Activator	cca	gnls
60571	60571~FDA	ap1-agonist_ratio	Activator	cca	hill
60571	60571~FDA	ap1-agonist_via	Repressor	cca	hill.inv
60571	60571~FDA	are-bla_ch1	Inactive	cca	cnst
60571	60571~FDA	are-bla_ch2	Activator	cca	hill
60571	60571~FDA	are-bla_ratio	Activator	cca	hill
60571	60571~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
60571	60571~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
60571	60571~NTP	ap1-agonist_ch2	Activator	cca	gnls
60571	60571~NTP	ap1-agonist_ratio	Activator	cca	hill
60571	60571~NTP	ap1-agonist_via	Repressor	cca	hill.inv
60571	60571~NTP	are-bla_ch1	Inactive	cca	cnst
60571	60571~NTP	are-bla_ch2	Activator	cca	hill
60571	60571~NTP	are-bla_ratio	Activator	cca	hill
60571	60571~NTP	are-bla_via	Inactive	cca	cnst
605914	605914~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
605914	605914~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
605914	605914~FDA	ap1-agonist_ratio	Activator	rfp	gnls
605914	605914~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
605914	605914~FDA	are-bla_ch1	Repressor	cca	hill.inv
605914	605914~FDA	are-bla_ch2	Activator	cca	gnls
605914	605914~FDA	are-bla_ratio	Activator	cca	gnls
605914	605914~FDA	are-bla_via	Repressor	cca	hill.inv
605914	605914~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
605914	605914~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
605914	605914~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
605914	605914~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
605914	605914~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
605914	605914~FDA	hse-bla_ch2	Inactive	rfp	cnst
605914	605914~FDA	hse-bla_ratio	Activator	rfp	hill
605914	605914~FDA	hse-bla_via	Repressor	rfp	hill.inv
605914	605914~FDA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
605914	605914~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
605914	605914~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
605914	605914~FDA	nfkb-bla-agonist_via	Repressor	cca	hill.inv
605914	605914~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
605914	605914~FDA	p53-bla_ch2	Inactive	rfp	cnst
605914	605914~FDA	p53-bla_ratio	Activator	rfp	hill
605914	605914~FDA	p53-bla_via	Inactive	rfp	cnst
60628968	60628968~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
60628968	60628968~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
60628968	60628968~FDA	ap1-agonist_ratio	Activator	rfp	hill
60628968	60628968~FDA	ap1-agonist_via	Inactive	rfp	cnst
60628968	60628968~FDA	are-bla_ch1	Repressor	rfp	hill.inv
60628968	60628968~FDA	are-bla_ch2	Inactive	rfp	hill.inv
60628968	60628968~FDA	are-bla_ratio	Activator	rfp	gnls
60628968	60628968~FDA	are-bla_via	Repressor	rfp	hill.inv
60628968	60628968~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
60628968	60628968~FDA	esre-bla_ch2	Inactive	rfp	cnst
60628968	60628968~FDA	esre-bla_ratio	Activator	rfp	hill
60628968	60628968~FDA	esre-bla_via	Inactive	rfp	cnst
60628968	60628968~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
60628968	60628968~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
60628968	60628968~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
60628968	60628968~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
60628968	60628968~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
60628968	60628968~FDA	hse-bla_ch2	Activator	EOC	hill
60628968	60628968~FDA	hse-bla_ratio	Activator	EOC	hill
60628968	60628968~FDA	hse-bla_via	Repressor	EOC	hill.inv
60628968	60628968~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
60628968	60628968~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
60628968	60628968~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
60628968	60628968~FDA	nfkb-bla-agonist_via	Inactive	rfp	cnst
60628968	60628968~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
60628968	60628968~FDA	p53-bla_ch2	Inactive	rfp	cnst
60628968	60628968~FDA	p53-bla_ratio	Activator	rfp	hill
60628968	60628968~FDA	p53-bla_via	Inactive	rfp	cnst
606371	606371~EPA	are-bla_ch1	Repressor	cca	hill.inv
606371	606371~EPA	are-bla_ch2	Activator	cca	gnls
606371	606371~EPA	are-bla_ratio	Activator	cca	hill
606371	606371~EPA	are-bla_via	Inactive	cca	cnst
606371	606371~FDA	are-bla_ch1	Repressor	cca	hill.inv
606371	606371~FDA	are-bla_ch2	Activator	cca	gnls
606371	606371~FDA	are-bla_ratio	Activator	cca	hill
606371	606371~FDA	are-bla_via	Inactive	cca	cnst
606371	606371~NTP	are-bla_ch1	Repressor	cca	hill.inv
606371	606371~NTP	are-bla_ch2	Activator	cca	hill
606371	606371~NTP	are-bla_ratio	Activator	cca	hill
606371	606371~NTP	are-bla_via	Inactive	cca	cnst
607352	607352~NTP	are-bla_ch1	Inactive	cca	cnst
607352	607352~NTP	are-bla_ch2	Activator	cca	hill
607352	607352~NTP	are-bla_ratio	Activator	cca	hill
607352	607352~NTP	are-bla_via	Inactive	cca	cnst
607578	607578~NTP	are-bla_ch1	Inactive	cca	cnst
607578	607578~NTP	are-bla_ch2	Activator	cca	gnls
607578	607578~NTP	are-bla_ratio	Activator	cca	hill
607578	607578~NTP	are-bla_via	Inactive	cca	cnst
60800	60800~EPA	are-bla_ch1	Inactive	cca	cnst
60800	60800~EPA	are-bla_ch2	Activator	cca	hill
60800	60800~EPA	are-bla_ratio	Activator	cca	hill
60800	60800~EPA	are-bla_via	Inactive	cca	cnst
6080564	6080564~EPA	are-bla_ch1	Repressor	cca	hill.inv
6080564	6080564~EPA	are-bla_ch2	Activator	cca	hill
6080564	6080564~EPA	are-bla_ratio	Activator	cca	hill
6080564	6080564~EPA	are-bla_via	Inactive	cca	cnst
6080564	6080564~EPA	esre-bla_ch1	Inactive	cca	cnst
6080564	6080564~EPA	esre-bla_ch2	Activator	cca	gnls
6080564	6080564~EPA	esre-bla_ratio	Activator	cca	gnls
6080564	6080564~EPA	esre-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
60822	60822~NTP	are-bla_ch1	Inactive	cca	cnst
60822	60822~NTP	are-bla_ch2	Activator	cca	hill
60822	60822~NTP	are-bla_ratio	Activator	cca	hill
60822	60822~NTP	are-bla_via	Inactive	cca	cnst
60822	60822~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
60822	60822~NTP	p53-bla_ch2	Inactive	rfp	cnst
60822	60822~NTP	p53-bla_ratio	Activator	rfp	hill
60822	60822~NTP	p53-bla_via	Inactive	rfp	cnst
608719	608719~NTP	are-bla_ch1	Activator	EUC	hill
608719	608719~NTP	are-bla_ch2	Activator	EUC	gnls
608719	608719~NTP	are-bla_ratio	Activator	EUC	gnls
608719	608719~NTP	are-bla_via	Repressor	EUC	hill.inv
608719	608719~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
608719	608719~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
608719	608719~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
608719	608719~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
608719	608719~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
608719	608719~NTP	hse-bla_ch2	Inactive	rfp	cnst
608719	608719~NTP	hse-bla_ratio	Activator	rfp	gnls
608719	608719~NTP	hse-bla_via	Inactive	rfp	cnst
608719	608719~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
608719	608719~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
608719	608719~NTP	p53-bla_ratio	Activator	rfp	hill
608719	608719~NTP	p53-bla_via	Repressor	rfp	hill.inv
608731	608731~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
608731	608731~NTP	ap1-agonist_ch2	Activator	cca	hill
608731	608731~NTP	ap1-agonist_ratio	Activator	cca	hill
608731	608731~NTP	ap1-agonist_via	Inactive	cca	cnst
60877	60877~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
60877	60877~FDA	ap1-agonist_ch2	Activator	EOC	gnls
60877	60877~FDA	ap1-agonist_ratio	Activator	EOC	gnls
60877	60877~FDA	ap1-agonist_via	Inactive	EOC	cnst
60877	60877~FDA	nfkb-bla-agonist_ch1	Inactive	cca	cnst
60877	60877~FDA	nfkb-bla-agonist_ch2	Activator	cca	hill
60877	60877~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
60877	60877~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
60877	60877~FDA	p53-bla_ch1	Activator	rfn	hill
60877	60877~FDA	p53-bla_ch2	Activator	rfn	hill
60877	60877~FDA	p53-bla_ratio	Inactive	rfn	cnst
60877	60877~FDA	p53-bla_via	Inactive	rfn	cnst
6088513	6088513~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6088513	6088513~EPA	ap1-agonist_ch2	Activator	cca	gnls
6088513	6088513~EPA	ap1-agonist_ratio	Activator	cca	gnls
6088513	6088513~EPA	ap1-agonist_via	Inactive	cca	cnst
6088513	6088513~EPA	are-bla_ch1	Inactive	cca	cnst
6088513	6088513~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
6088513	6088513~EPA	are-bla_ratio	Activator	cca	gnls
6088513	6088513~EPA	are-bla_via	Inactive	cca	cnst
6088513	6088513~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
6088513	6088513~NTP	ap1-agonist_ch2	Activator	cca	gnls
6088513	6088513~NTP	ap1-agonist_ratio	Activator	cca	gnls
6088513	6088513~NTP	ap1-agonist_via	Inactive	cca	cnst
6088513	6088513~NTP	are-bla_ch1	Inactive	EUC	cnst
6088513	6088513~NTP	are-bla_ch2	Activator	EUC	hill
6088513	6088513~NTP	are-bla_ratio	Activator	EUC	hill
6088513	6088513~NTP	are-bla_via	Inactive	EUC	cnst
609198	609198~NTP	are-bla_ch1	Inactive	EUC	cnst
609198	609198~NTP	are-bla_ch2	Activator	EUC	gnls
609198	609198~NTP	are-bla_ratio	Activator	EUC	gnls
609198	609198~NTP	are-bla_via	Repressor	EUC	hill.inv
609198	609198~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
609198	609198~NTP	p53-bla_ch2	Inactive	rfp	cnst
609198	609198~NTP	p53-bla_ratio	Activator	rfp	hill
609198	609198~NTP	p53-bla_via	Inactive	rfp	cnst
609201	609201~EPA	are-bla_ch1	Repressor	cca	hill.inv
609201	609201~EPA	are-bla_ch2	Activator	cca	hill
609201	609201~EPA	are-bla_ratio	Activator	cca	hill
609201	609201~EPA	are-bla_via	Inactive	cca	cnst
609201	609201~NTP	are-bla_ch1	Inactive	cca	cnst
609201	609201~NTP	are-bla_ch2	Activator	cca	gnls
609201	609201~NTP	are-bla_ratio	Activator	cca	gnls
609201	609201~NTP	are-bla_via	Inactive	cca	cnst
609234	609234~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
609234	609234~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
609234	609234~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
609234	609234~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
609938	609938~NTP	are-bla_ch1	Repressor	PUC	hill.inv
609938	609938~NTP	are-bla_ch2	Activator	PUC	hill
609938	609938~NTP	are-bla_ratio	Activator	PUC	hill
609938	609938~NTP	are-bla_via	Inactive	PUC	cnst
610399	610399~EPA	are-bla_ch1	Repressor	cca	hill.inv
610399	610399~EPA	are-bla_ch2	Activator	cca	hill
610399	610399~EPA	are-bla_ratio	Activator	cca	gnls
610399	610399~EPA	are-bla_via	Inactive	cca	cnst
610399	610399~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
610399	610399~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
610399	610399~NTP	ap1-agonist_ratio	Activator	rfp	hill
610399	610399~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
610399	610399~NTP	are-bla_ch1	Repressor	cca	gnls.inv
610399	610399~NTP	are-bla_ch2	Activator	cca	gnls
610399	610399~NTP	are-bla_ratio	Activator	cca	gnls
610399	610399~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
6109973	6109973~NTP	are-bla_ch1	Repressor	cca	hill.inv
6109973	6109973~NTP	are-bla_ch2	Activator	cca	hill
6109973	6109973~NTP	are-bla_ratio	Activator	cca	hill
6109973	6109973~NTP	are-bla_via	Inactive	cca	cnst
6109973	6109973~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
6109973	6109973~NTP	p53-bla_ch2	Inactive	rfp	cnst
6109973	6109973~NTP	p53-bla_ratio	Activator	rfp	hill
6109973	6109973~NTP	p53-bla_via	Inactive	rfp	cnst
611096	611096~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
611096	611096~NTP	ap1-agonist_ch2	Activator	cca	hill
611096	611096~NTP	ap1-agonist_ratio	Activator	cca	hill
611096	611096~NTP	ap1-agonist_via	Inactive	cca	cnst
611096	611096~NTP	are-bla_ch1	Inactive	cca	cnst
611096	611096~NTP	are-bla_ch2	Activator	cca	hill
611096	611096~NTP	are-bla_ratio	Activator	cca	hill
611096	611096~NTP	are-bla_via	Inactive	cca	cnst
611096	611096~NTP	p53-bla_ch1	Inactive	cca	cnst
611096	611096~NTP	p53-bla_ch2	Activator	cca	hill
611096	611096~NTP	p53-bla_ratio	Activator	cca	hill
611096	611096~NTP	p53-bla_via	Inactive	cca	cnst
611234	611234~NTP	are-bla_ch1	Inactive	cca	cnst
611234	611234~NTP	are-bla_ch2	Activator	cca	hill
611234	611234~NTP	are-bla_ratio	Activator	cca	hill
611234	611234~NTP	are-bla_via	Inactive	cca	cnst
6112761	6112761~NTP	are-bla_ch1	Inactive	EUC	cnst
6112761	6112761~NTP	are-bla_ch2	Activator	EUC	hill
6112761	6112761~NTP	are-bla_ratio	Activator	EUC	hill
6112761	6112761~NTP	are-bla_via	Repressor	EUC	hill.inv
6112761	6112761~NTP	p53-bla_ch1	Repressor	cca	hill.inv
6112761	6112761~NTP	p53-bla_ch2	Activator	cca	gnls
6112761	6112761~NTP	p53-bla_ratio	Activator	cca	hill
6112761	6112761~NTP	p53-bla_via	Repressor	cca	hill.inv
6114212	6114212~FDA	are-bla_ch1	Repressor	rfp	hill.inv
6114212	6114212~FDA	are-bla_ch2	Inactive	rfp	cnst
6114212	6114212~FDA	are-bla_ratio	Activator	rfp	hill
6114212	6114212~FDA	are-bla_via	Inactive	rfp	cnst
6114212	6114212~FDA	hse-bla_ch1	Repressor	cca	hill.inv
6114212	6114212~FDA	hse-bla_ch2	Activator	cca	hill
6114212	6114212~FDA	hse-bla_ratio	Activator	cca	hill
6114212	6114212~FDA	hse-bla_via	Inactive	cca	cnst
611756	611756~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
611756	611756~FDA	ap1-agonist_ch2	Activator	cca	gnls
611756	611756~FDA	ap1-agonist_ratio	Activator	cca	hill
611756	611756~FDA	ap1-agonist_via	Repressor	cca	hill.inv
61198	61198~FDA	ap1-agonist_ch1	Inactive	cca	cnst
61198	61198~FDA	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
61198	61198~FDA	ap1-agonist_ratio	Activator	cca	hill
61198	61198~FDA	ap1-agonist_via	Inactive	cca	cnst
612237	612237~NTP	ap1-agonist_ch1	Complex	EOC	gnls.inv
612237	612237~NTP	ap1-agonist_ch2	Activator	EOC	gnls
612237	612237~NTP	ap1-agonist_ratio	Activator	EOC	gnls
612237	612237~NTP	ap1-agonist_via	Inactive	EOC	cnst
612237	612237~NTP	are-bla_ch1	Inactive	cca	cnst
612237	612237~NTP	are-bla_ch2	Activator	cca	hill
612237	612237~NTP	are-bla_ratio	Activator	cca	hill
612237	612237~NTP	are-bla_via	Inactive	cca	cnst
61256	61256~FDA	are-bla_ch1	Inactive	PUC	cnst
61256	61256~FDA	are-bla_ch2	Activator	PUC	hill
61256	61256~FDA	are-bla_ratio	Activator	PUC	gnls
61256	61256~FDA	are-bla_via	Inactive	PUC	cnst
612828	612828~NTP	are-bla_ch1	Repressor	cca	hill.inv
612828	612828~NTP	are-bla_ch2	Activator	cca	hill
612828	612828~NTP	are-bla_ratio	Activator	cca	hill
612828	612828~NTP	are-bla_via	Inactive	cca	cnst
612839	612839~EPA	are-bla_ch1	Repressor	cca	hill.inv
612839	612839~EPA	are-bla_ch2	Activator	cca	hill
612839	612839~EPA	are-bla_ratio	Activator	cca	hill
612839	612839~EPA	are-bla_via	Inactive	cca	cnst
612839	612839~EPA	p53-bla_ch1	Repressor	cca	hill.inv
612839	612839~EPA	p53-bla_ch2	Activator	cca	gnls
612839	612839~EPA	p53-bla_ratio	Activator	cca	hill
612839	612839~EPA	p53-bla_via	Inactive	cca	cnst
612839	612839~NTP	are-bla_ch1	Repressor	EUC	gnls.inv
612839	612839~NTP	are-bla_ch2	Activator	EUC	gnls
612839	612839~NTP	are-bla_ratio	Activator	EUC	gnls
612839	612839~NTP	are-bla_via	Inactive	EUC	cnst
612839	612839~NTP	p53-bla_ch1	Repressor	cca	hill.inv
612839	612839~NTP	p53-bla_ch2	Activator	cca	gnls
612839	612839~NTP	p53-bla_ratio	Activator	cca	gnls
612839	612839~NTP	p53-bla_via	Inactive	cca	cnst
61295418	61295418~EPA	p53-bla_ch1	Activator	rfn	hill
61295418	61295418~EPA	p53-bla_ch2	Activator	rfn	gnls
61295418	61295418~EPA	p53-bla_ratio	Inactive	rfn	cnst
61295418	61295418~EPA	p53-bla_via	Inactive	rfn	cnst
613138	613138~EPA	ap1-agonist_ch1	Inactive	cca	cnst
613138	613138~EPA	ap1-agonist_ch2	Activator	cca	hill
613138	613138~EPA	ap1-agonist_ratio	Activator	cca	hill
613138	613138~EPA	ap1-agonist_via	Inactive	cca	cnst
613138	613138~EPA	are-bla_ch1	Activator	EUC	hill
613138	613138~EPA	are-bla_ch2	Activator	EUC	hill
613138	613138~EPA	are-bla_ratio	Activator	EUC	gnls
613138	613138~EPA	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
613138	613138~EPA	esre-bla_ch1	Activator	EUC	hill
613138	613138~EPA	esre-bla_ch2	Activator	EUC	hill
613138	613138~EPA	esre-bla_ratio	Activator	EUC	hill
613138	613138~EPA	esre-bla_via	Inactive	EUC	cnst
613138	613138~EPA	hre-bla-agonist_ch1	Activator	cca	hill
613138	613138~EPA	hre-bla-agonist_ch2	Activator	cca	hill
613138	613138~EPA	hre-bla-agonist_ratio	Activator	cca	hill
613138	613138~EPA	hre-bla-agonist_via	Inactive	cca	cnst
613138	613138~EPA	hse-bla_ch1	Activator	EUC	hill
613138	613138~EPA	hse-bla_ch2	Activator	EUC	hill
613138	613138~EPA	hse-bla_ratio	Activator	EUC	hill
613138	613138~EPA	hse-bla_via	Inactive	EUC	cnst
613138	613138~EPA	nfkb-bla-agonist_ch1	Activator	rfn	hill
613138	613138~EPA	nfkb-bla-agonist_ch2	Activator	rfn	hill
613138	613138~EPA	nfkb-bla-agonist_ratio	Inactive	rfn	cnst
613138	613138~EPA	nfkb-bla-agonist_via	Inactive	rfn	cnst
613138	613138~EPA	p53-bla_ch1	Activator	EUC	hill
613138	613138~EPA	p53-bla_ch2	Activator	EUC	hill
613138	613138~EPA	p53-bla_ratio	Activator	EUC	hill
613138	613138~EPA	p53-bla_via	Inactive	EUC	cnst
613138	613138~NTP	are-bla_ch1	Activator	EUC/POC	hill
613138	613138~NTP	are-bla_ch2	Activator	EUC/POC	hill
613138	613138~NTP	are-bla_ratio	Activator	EUC/POC	gnls
613138	613138~NTP	are-bla_via	Inactive	EUC/POC	cnst
613138	613138~NTP	esre-bla_ch1	Activator	EUC/POC	hill
613138	613138~NTP	esre-bla_ch2	Activator	EUC/POC	hill
613138	613138~NTP	esre-bla_ratio	Activator	EUC/POC	hill
613138	613138~NTP	esre-bla_via	Inactive	EUC/POC	cnst
613138	613138~NTP	hre-bla-agonist_ch1	Activator	cca	hill
613138	613138~NTP	hre-bla-agonist_ch2	Activator	cca	hill
613138	613138~NTP	hre-bla-agonist_ratio	Activator	cca	hill
613138	613138~NTP	hre-bla-agonist_via	Inactive	cca	cnst
613138	613138~NTP	hse-bla_ch1	Activator	EUC/POC	hill
613138	613138~NTP	hse-bla_ch2	Activator	EUC/POC	hill
613138	613138~NTP	hse-bla_ratio	Activator	EUC/POC	hill
613138	613138~NTP	hse-bla_via	Inactive	EUC/POC	cnst
613138	613138~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
613138	613138~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
613138	613138~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
613138	613138~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
613138	613138~NTP	p53-bla_ch1	Activator	EUC	hill
613138	613138~NTP	p53-bla_ch2	Activator	EUC	hill
613138	613138~NTP	p53-bla_ratio	Activator	EUC	gnls
613138	613138~NTP	p53-bla_via	Inactive	EUC	cnst
61318910	61318910~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
61318910	61318910~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
61318910	61318910~FDA	ap1-agonist_ratio	Activator	rfp	hill
61318910	61318910~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
61318910	61318910~FDA	are-bla_ch1	Repressor	rfp	hill.inv
61318910	61318910~FDA	are-bla_ch2	Inactive	rfp	hill.inv
61318910	61318910~FDA	are-bla_ratio	Activator	rfp	gnls
61318910	61318910~FDA	are-bla_via	Repressor	rfp	hill.inv
61318910	61318910~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
61318910	61318910~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
61318910	61318910~FDA	esre-bla_ratio	Activator	rfp	hill
61318910	61318910~FDA	esre-bla_via	Repressor	rfp	hill.inv
61318910	61318910~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
61318910	61318910~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
61318910	61318910~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
61318910	61318910~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
61318910	61318910~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
61318910	61318910~FDA	hse-bla_ch2	Activator	EOC	gnls
61318910	61318910~FDA	hse-bla_ratio	Activator	EOC	hill
61318910	61318910~FDA	hse-bla_via	Repressor	EOC	hill.inv
61318910	61318910~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
61318910	61318910~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
61318910	61318910~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
61318910	61318910~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
61379655	61379655~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
61379655	61379655~FDA	p53-bla_ch2	Inactive	rfp	cnst
61379655	61379655~FDA	p53-bla_ratio	Activator	rfp	hill
61379655	61379655~FDA	p53-bla_via	Repressor	rfp	hill.inv
6138563	6138563~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
6138563	6138563~FDA	ap1-agonist_ch2	Activator	cca	hill
6138563	6138563~FDA	ap1-agonist_ratio	Activator	cca	hill
6138563	6138563~FDA	ap1-agonist_via	Inactive	cca	cnst
6138790	6138790~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
6138790	6138790~NTP	ap1-agonist_ch2	Activator	EOC	hill
6138790	6138790~NTP	ap1-agonist_ratio	Activator	EOC	hill
6138790	6138790~NTP	ap1-agonist_via	Inactive	EOC	cnst
61422455	61422455~FDA	p53-bla_ch1	Inactive	cca	cnst
61422455	61422455~FDA	p53-bla_ch2	Activator	cca	gnls
61422455	61422455~FDA	p53-bla_ratio	Activator	cca	gnls
61422455	61422455~FDA	p53-bla_via	Repressor	cca	hill.inv
61445509	61445509~NTP	esre-bla_ch1	Repressor	PUC	hill.inv
61445509	61445509~NTP	esre-bla_ch2	Activator	PUC	hill
61445509	61445509~NTP	esre-bla_ratio	Activator	PUC	hill
61445509	61445509~NTP	esre-bla_via	Inactive	PUC	cnst
61445509	61445509~NTP	hse-bla_ch1	Repressor	cca	hill.inv
61445509	61445509~NTP	hse-bla_ch2	Activator	cca	hill
61445509	61445509~NTP	hse-bla_ratio	Activator	cca	hill
61445509	61445509~NTP	hse-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
614802	614802~EPA	are-bla_ch1	Repressor	PUC	hill.inv
614802	614802~EPA	are-bla_ch2	Activator	PUC	hill
614802	614802~EPA	are-bla_ratio	Activator	PUC	hill
614802	614802~EPA	are-bla_via	Inactive	PUC	cnst
6149037	6149037~EPA	are-bla_ch1	Inactive	cca	cnst
6149037	6149037~EPA	are-bla_ch2	Activator	cca	hill
6149037	6149037~EPA	are-bla_ratio	Activator	cca	hill
6149037	6149037~EPA	are-bla_via	Inactive	cca	cnst
6151253	6151253~NTP	are-bla_ch1	Inactive	cca	cnst
6151253	6151253~NTP	are-bla_ch2	Activator	cca	hill
6151253	6151253~NTP	are-bla_ratio	Activator	cca	hill
6151253	6151253~NTP	are-bla_via	Inactive	cca	cnst
6151300	6151300~FDA	are-bla_ch1	Repressor	rfn	hill.inv
6151300	6151300~FDA	are-bla_ch2	Activator	rfn	gnls
6151300	6151300~FDA	are-bla_ratio	Inactive	rfn	gnls.inv
6151300	6151300~FDA	are-bla_via	Repressor	rfn	hill.inv
6151300	6151300~FDA	hre-bla-agonist_ch1	Repressor	PUC	hill.inv
6151300	6151300~FDA	hre-bla-agonist_ch2	Activator	PUC	gnls
6151300	6151300~FDA	hre-bla-agonist_ratio	Activator	PUC	hill
6151300	6151300~FDA	hre-bla-agonist_via	Repressor	PUC	hill.inv
6151300	6151300~FDA	p53-bla_ch1	Repressor	cca	hill.inv
6151300	6151300~FDA	p53-bla_ch2	Activator	cca	hill
6151300	6151300~FDA	p53-bla_ratio	Activator	cca	hill
6151300	6151300~FDA	p53-bla_via	Inactive	cca	cnst
615134	615134~NTP	ap1-agonist_ch1	Inactive	cca	cnst
615134	615134~NTP	ap1-agonist_ch2	Activator	cca	hill
615134	615134~NTP	ap1-agonist_ratio	Activator	cca	hill
615134	615134~NTP	ap1-agonist_via	Inactive	cca	cnst
6152336	6152336~EPA	are-bla_ch1	Inactive	cca	cnst
6152336	6152336~EPA	are-bla_ch2	Activator	cca	hill
6152336	6152336~EPA	are-bla_ratio	Activator	cca	hill
6152336	6152336~EPA	are-bla_via	Inactive	cca	cnst
615281	615281~NTP	are-bla_ch1	Inactive	cca	cnst
615281	615281~NTP	are-bla_ch2	Activator	cca	hill
615281	615281~NTP	are-bla_ratio	Activator	cca	gnls
615281	615281~NTP	are-bla_via	Inactive	cca	cnst
615281	615281~NTP	p53-bla_ch1	Inactive	cca	cnst
615281	615281~NTP	p53-bla_ch2	Activator	cca	hill
615281	615281~NTP	p53-bla_ratio	Activator	cca	hill
615281	615281~NTP	p53-bla_via	Inactive	cca	cnst
6153646	6153646~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6153646	6153646~EPA	ap1-agonist_ch2	Activator	cca	hill
6153646	6153646~EPA	ap1-agonist_ratio	Activator	cca	hill
6153646	6153646~EPA	ap1-agonist_via	Inactive	cca	cnst
61545991	61545991~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
61545991	61545991~NTP	ap1-agonist_ch2	Activator	EOC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
61545991	61545991~NTP	ap1-agonist_ratio	Activator	EOC	hill
61545991	61545991~NTP	ap1-agonist_via	Inactive	EOC	cnst
61545991	61545991~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
61545991	61545991~NTP	p53-bla_ch2	Inactive	rfp	cnst
61545991	61545991~NTP	p53-bla_ratio	Activator	rfp	hill
61545991	61545991~NTP	p53-bla_via	Inactive	rfp	cnst
61546007	61546007~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
61546007	61546007~NTP	ap1-agonist_ch2	Activator	cca	hill
61546007	61546007~NTP	ap1-agonist_ratio	Activator	cca	hill
61546007	61546007~NTP	ap1-agonist_via	Inactive	cca	cnst
61546018	61546018~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
61546018	61546018~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
61546018	61546018~NTP	ap1-agonist_ratio	Activator	rfp	hill
61546018	61546018~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
61546018	61546018~NTP	are-bla_ch1	Repressor	cca	hill.inv
61546018	61546018~NTP	are-bla_ch2	Activator	cca	gnls
61546018	61546018~NTP	are-bla_ratio	Activator	cca	gnls
61546018	61546018~NTP	are-bla_via	Repressor	cca	hill.inv
61546018	61546018~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
61546018	61546018~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
61546018	61546018~NTP	esre-bla_ratio	Activator	rfp	hill
61546018	61546018~NTP	esre-bla_via	Repressor	rfp	hill.inv
61546018	61546018~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
61546018	61546018~NTP	hse-bla_ch2	Inactive	rfp	cnst
61546018	61546018~NTP	hse-bla_ratio	Activator	rfp	hill
61546018	61546018~NTP	hse-bla_via	Repressor	rfp	hill.inv
61546018	61546018~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
61546018	61546018~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
61546018	61546018~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
61546018	61546018~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
61546018	61546018~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
61546018	61546018~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
61546018	61546018~NTP	p53-bla_ratio	Activator	rfp	hill
61546018	61546018~NTP	p53-bla_via	Repressor	rfp	hill.inv
61570909	61570909~FDA	p53-bla_ch1	Repressor	cca	hill.inv
61570909	61570909~FDA	p53-bla_ch2	Activator	cca	hill
61570909	61570909~FDA	p53-bla_ratio	Activator	cca	hill
61570909	61570909~FDA	p53-bla_via	Inactive	cca	cnst
61687	61687~FDA	are-bla_ch1	Inactive	cca	cnst
61687	61687~FDA	are-bla_ch2	Activator	cca	hill
61687	61687~FDA	are-bla_ratio	Activator	cca	hill
61687	61687~FDA	are-bla_via	Inactive	cca	cnst
61702441	61702441~EPA	are-bla_ch1	Repressor	cca	hill.inv
61702441	61702441~EPA	are-bla_ch2	Activator	cca	hill
61702441	61702441~EPA	are-bla_ratio	Activator	cca	hill
61702441	61702441~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
61702441	61702441~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
61702441	61702441~NTP	ap1-agonist_ch2	Activator	cca	gnls
61702441	61702441~NTP	ap1-agonist_ratio	Activator	cca	gnls
61702441	61702441~NTP	ap1-agonist_via	Repressor	cca	hill.inv
61702441	61702441~NTP	are-bla_ch1	Repressor	cca	hill.inv
61702441	61702441~NTP	are-bla_ch2	Activator	cca	gnls
61702441	61702441~NTP	are-bla_ratio	Activator	cca	hill
61702441	61702441~NTP	are-bla_via	Repressor	cca	hill.inv
6170429	6170429~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
6170429	6170429~FDA	ap1-agonist_ch2	Activator	cca	hill
6170429	6170429~FDA	ap1-agonist_ratio	Activator	cca	hill
6170429	6170429~FDA	ap1-agonist_via	Inactive	cca	cnst
61734	61734~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
61734	61734~EPA	ap1-agonist_ch2	Activator	cca	gnls
61734	61734~EPA	ap1-agonist_ratio	Activator	cca	gnls
61734	61734~EPA	ap1-agonist_via	Repressor	cca	hill.inv
61734	61734~EPA	are-bla_ch1	Repressor	cca	hill.inv
61734	61734~EPA	are-bla_ch2	Activator	cca	gnls
61734	61734~EPA	are-bla_ratio	Activator	cca	gnls
61734	61734~EPA	are-bla_via	Repressor	cca	hill.inv
61734	61734~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
61734	61734~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
61734	61734~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
61734	61734~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
61734	61734~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
61734	61734~FDA	ap1-agonist_ch2	Activator	cca	gnls
61734	61734~FDA	ap1-agonist_ratio	Activator	cca	gnls
61734	61734~FDA	ap1-agonist_via	Inactive	cca	cnst
61734	61734~FDA	are-bla_ch1	Repressor	cca	hill.inv
61734	61734~FDA	are-bla_ch2	Activator	cca	gnls
61734	61734~FDA	are-bla_ratio	Activator	cca	gnls
61734	61734~FDA	are-bla_via	Repressor	cca	hill.inv
61734	61734~FDA	p53-bla_ch1	Repressor	cca	hill.inv
61734	61734~FDA	p53-bla_ch2	Activator	cca	hill
61734	61734~FDA	p53-bla_ratio	Activator	cca	hill
61734	61734~FDA	p53-bla_via	Repressor	cca	hill.inv
6174863	6174863~NTP	ap1-agonist_ch1	Activator	EUC	hill
6174863	6174863~NTP	ap1-agonist_ch2	Activator	EUC	hill
6174863	6174863~NTP	ap1-agonist_ratio	Activator	EUC	hill
6174863	6174863~NTP	ap1-agonist_via	Inactive	EUC	cnst
6174863	6174863~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
6174863	6174863~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
6174863	6174863~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
6174863	6174863~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
61825943	61825943~FDA	p53-bla_ch1	Repressor	cca	hill.inv
61825943	61825943~FDA	p53-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
61825943	61825943~FDA	p53-bla_ratio	Activator	cca	hill
61825943	61825943~FDA	p53-bla_via	Inactive	cca	cnst
619238	619238~NTP	are-bla_ch1	Inactive	EOC	cnst
619238	619238~NTP	are-bla_ch2	Activator	EOC	hill
619238	619238~NTP	are-bla_ratio	Activator	EOC	hill
619238	619238~NTP	are-bla_via	Inactive	EOC	cnst
61931826	61931826~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
61931826	61931826~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
61931826	61931826~EPA	ap1-agonist_ratio	Activator	rfp	hill
61931826	61931826~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
61931826	61931826~EPA	are-bla_ch1	Repressor	cca	hill.inv
61931826	61931826~EPA	are-bla_ch2	Activator	cca	gnls
61931826	61931826~EPA	are-bla_ratio	Activator	cca	gnls
61931826	61931826~EPA	are-bla_via	Repressor	cca	hill.inv
61931826	61931826~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
61931826	61931826~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
61931826	61931826~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
61931826	61931826~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
61931826	61931826~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
61931826	61931826~EPA	hse-bla_ch2	Inactive	rfp	cnst
61931826	61931826~EPA	hse-bla_ratio	Activator	rfp	hill
61931826	61931826~EPA	hse-bla_via	Repressor	rfp	hill.inv
61931826	61931826~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
61931826	61931826~EPA	p53-bla_ch2	Inactive	rfp	cnst
61931826	61931826~EPA	p53-bla_ratio	Activator	rfp	hill
61931826	61931826~EPA	p53-bla_via	Repressor	rfp	hill.inv
619669	619669~NTP	are-bla_ch1	Repressor	cca	hill.inv
619669	619669~NTP	are-bla_ch2	Activator	cca	hill
619669	619669~NTP	are-bla_ratio	Activator	cca	hill
619669	619669~NTP	are-bla_via	Inactive	cca	cnst
6197304	6197304~NTP	are-bla_ch1	Inactive	EUC	cnst
6197304	6197304~NTP	are-bla_ch2	Activator	EUC	hill
6197304	6197304~NTP	are-bla_ratio	Activator	EUC	hill
6197304	6197304~NTP	are-bla_via	Inactive	EUC	cnst
6202239	6202239~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
6202239	6202239~FDA	ap1-agonist_ch2	Activator	cca	hill
6202239	6202239~FDA	ap1-agonist_ratio	Activator	cca	hill
6202239	6202239~FDA	ap1-agonist_via	Inactive	cca	cnst
620928	620928~NTP	are-bla_ch1	Repressor	cca	hill.inv
620928	620928~NTP	are-bla_ch2	Activator	cca	hill
620928	620928~NTP	are-bla_ratio	Activator	cca	hill
620928	620928~NTP	are-bla_via	Inactive	cca	cnst
6219892	6219892~NTP	are-bla_ch1	Repressor	rfp	hill.inv
6219892	6219892~NTP	are-bla_ch2	Inactive	rfp	hill.inv
6219892	6219892~NTP	are-bla_ratio	Activator	rfp	gnls
6219892	6219892~NTP	are-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
6219892	6219892~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
6219892	6219892~NTP	esre-bla_ch2	Inactive	rfp	cnst
6219892	6219892~NTP	esre-bla_ratio	Activator	rfp	hill
6219892	6219892~NTP	esre-bla_via	Inactive	rfp	cnst
6219892	6219892~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
6219892	6219892~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
6219892	6219892~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
6219892	6219892~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
6219892	6219892~NTP	hse-bla_ch1	Repressor	cca	hill.inv
6219892	6219892~NTP	hse-bla_ch2	Activator	cca	gnls
6219892	6219892~NTP	hse-bla_ratio	Activator	cca	gnls
6219892	6219892~NTP	hse-bla_via	Inactive	cca	cnst
6219892	6219892~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
6219892	6219892~NTP	p53-bla_ch2	Inactive	rfp	cnst
6219892	6219892~NTP	p53-bla_ratio	Activator	rfp	hill
6219892	6219892~NTP	p53-bla_via	Inactive	rfp	cnst
6220151	6220151~NTP	are-bla_ch1	Repressor	cca	hill.inv
6220151	6220151~NTP	are-bla_ch2	Activator	cca	gnls
6220151	6220151~NTP	are-bla_ratio	Activator	cca	gnls
6220151	6220151~NTP	are-bla_via	Inactive	cca	cnst
622786	622786~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
622786	622786~NTP	ap1-agonist_ch2	Activator	cca	hill
622786	622786~NTP	ap1-agonist_ratio	Activator	cca	hill
622786	622786~NTP	ap1-agonist_via	Inactive	cca	cnst
622786	622786~NTP	are-bla_ch1	Inactive	cca	cnst
622786	622786~NTP	are-bla_ch2	Activator	cca	gnls
622786	622786~NTP	are-bla_ratio	Activator	cca	gnls
622786	622786~NTP	are-bla_via	Inactive	cca	cnst
622786	622786~NTP	hse-bla_ch1	Repressor	cca	hill.inv
622786	622786~NTP	hse-bla_ch2	Activator	cca	gnls
622786	622786~NTP	hse-bla_ratio	Activator	cca	gnls
622786	622786~NTP	hse-bla_via	Repressor	cca	hill.inv
623074	623074~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
623074	623074~FDA	p53-bla_ch2	Inactive	rfp	cnst
623074	623074~FDA	p53-bla_ratio	Activator	rfp	hill
623074	623074~FDA	p53-bla_via	Repressor	rfp	hill.inv
623167817	623167817~NTP	are-bla_ch1	Repressor	EUC	hill.inv
623167817	623167817~NTP	are-bla_ch2	Activator	EUC	gnls
623167817	623167817~NTP	are-bla_ratio	Activator	EUC	hill
623167817	623167817~NTP	are-bla_via	Inactive	EUC	cnst
62317	62317~NTP	are-bla_ch1	Repressor	cca	gnls.inv
62317	62317~NTP	are-bla_ch2	Activator	cca	gnls
62317	62317~NTP	are-bla_ratio	Activator	cca	gnls
62317	62317~NTP	are-bla_via	Inactive	cca	cnst
623518	623518~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
623518	623518~NTP	ap1-agonist_ch2	Activator	EOC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
623518	623518~NTP	ap1-agonist_ratio	Activator	EOC	hill
623518	623518~NTP	ap1-agonist_via	Inactive	EOC	cnst
623518	623518~NTP	p53-bla_ch1	Inactive	cca	cnst
623518	623518~NTP	p53-bla_ch2	Activator	cca	hill
623518	623518~NTP	p53-bla_ratio	Activator	cca	hill
623518	623518~NTP	p53-bla_via	Inactive	cca	cnst
6236051	6236051~FDA	are-bla_ch1	Repressor	cca	hill.inv
6236051	6236051~FDA	are-bla_ch2	Activator	cca	hill
6236051	6236051~FDA	are-bla_ratio	Activator	cca	hill
6236051	6236051~FDA	are-bla_via	Inactive	cca	cnst
62384	62384~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
62384	62384~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
62384	62384~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
62384	62384~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
62384	62384~EPA	are-bla_ch1	Repressor	rfp	hill.inv
62384	62384~EPA	are-bla_ch2	Inactive	rfp	hill.inv
62384	62384~EPA	are-bla_ratio	Activator	rfp	gnls
62384	62384~EPA	are-bla_via	Repressor	rfp	hill.inv
62384	62384~EPA	esre-bla_ch1	Complex	rfp	gnls
62384	62384~EPA	esre-bla_ch2	Inactive	rfp	cnst
62384	62384~EPA	esre-bla_ratio	Activator	rfp	hill
62384	62384~EPA	esre-bla_via	Repressor	rfp	hill.inv
62384	62384~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
62384	62384~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
62384	62384~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
62384	62384~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
62384	62384~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
62384	62384~EPA	hse-bla_ch2	Activator	EOC/PUC	hill
62384	62384~EPA	hse-bla_ratio	Activator	EOC/PUC	gnls
62384	62384~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
62384	62384~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
62384	62384~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
62384	62384~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
62384	62384~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
62384	62384~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
62384	62384~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
62384	62384~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
62384	62384~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
62384	62384~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
62384	62384~FDA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
62384	62384~FDA	ap1-agonist_ratio	Activator	EOC/PUC	hill
62384	62384~FDA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
62384	62384~FDA	are-bla_ch1	Repressor	cca	hill.inv
62384	62384~FDA	are-bla_ch2	Activator	cca	gnls
62384	62384~FDA	are-bla_ratio	Activator	cca	gnls
62384	62384~FDA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
62384	62384~FDA	esre-bla_ch1	Repressor	cca	hill.inv
62384	62384~FDA	esre-bla_ch2	Activator	cca	gnls
62384	62384~FDA	esre-bla_ratio	Activator	cca	hill
62384	62384~FDA	esre-bla_via	Repressor	cca	hill.inv
62384	62384~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
62384	62384~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
62384	62384~FDA	hre-bla-agonist_ratio	Activator	rfp	gnls
62384	62384~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
62384	62384~FDA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
62384	62384~FDA	hse-bla_ch2	Activator	EOC/PUC	gnls
62384	62384~FDA	hse-bla_ratio	Activator	EOC/PUC	hill
62384	62384~FDA	hse-bla_via	Repressor	EOC/PUC	hill.inv
62384	62384~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
62384	62384~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
62384	62384~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
62384	62384~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
62384	62384~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
62384	62384~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
62384	62384~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
62384	62384~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
62384	62384~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
62384	62384~NTP	ap1-agonist_ch2	Activator	cca	gnls
62384	62384~NTP	ap1-agonist_ratio	Activator	cca	hill
62384	62384~NTP	ap1-agonist_via	Repressor	cca	hill.inv
62384	62384~NTP	are-bla_ch1	Repressor	rfp	hill.inv
62384	62384~NTP	are-bla_ch2	Inactive	rfp	hill.inv
62384	62384~NTP	are-bla_ratio	Activator	rfp	gnls
62384	62384~NTP	are-bla_via	Repressor	rfp	hill.inv
62384	62384~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
62384	62384~NTP	esre-bla_ch2	Inactive	rfp	cnst
62384	62384~NTP	esre-bla_ratio	Activator	rfp	hill
62384	62384~NTP	esre-bla_via	Repressor	rfp	hill.inv
62384	62384~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
62384	62384~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
62384	62384~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
62384	62384~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
62384	62384~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
62384	62384~NTP	hse-bla_ch2	Activator	EOC	gnls
62384	62384~NTP	hse-bla_ratio	Activator	EOC	hill
62384	62384~NTP	hse-bla_via	Repressor	EOC	hill.inv
62384	62384~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
62384	62384~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
62384	62384~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
62384	62384~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
62384	62384~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
62384	62384~NTP	p53-bla_ch2	Activator	EOC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
62384	62384~NTP	p53-bla_ratio	Activator	EOC	hill
62384	62384~NTP	p53-bla_via	Repressor	EOC	hill.inv
623916	623916~NTP	are-bla_ch1	Inactive	cca	cnst
623916	623916~NTP	are-bla_ch2	Activator	cca	hill
623916	623916~NTP	are-bla_ratio	Activator	cca	hill
623916	623916~NTP	are-bla_via	Inactive	cca	cnst
624486	624486~EPA	are-bla_ch1	Inactive	cca	cnst
624486	624486~EPA	are-bla_ch2	Activator	cca	hill
624486	624486~EPA	are-bla_ratio	Activator	cca	hill
624486	624486~EPA	are-bla_via	Inactive	cca	cnst
62511	62511~FDA	ap1-agonist_ch1	Inactive	PUC	cnst
62511	62511~FDA	ap1-agonist_ch2	Activator	PUC	hill
62511	62511~FDA	ap1-agonist_ratio	Activator	PUC	hill
62511	62511~FDA	ap1-agonist_via	Inactive	PUC	cnst
625489	625489~NTP	are-bla_ch1	Inactive	EUC	cnst
625489	625489~NTP	are-bla_ch2	Activator	EUC	hill
625489	625489~NTP	are-bla_ratio	Activator	EUC	hill
625489	625489~NTP	are-bla_via	Inactive	EUC	cnst
6258066	6258066~NTP	are-bla_ch1	Inactive	cca	cnst
6258066	6258066~NTP	are-bla_ch2	Activator	cca	hill
6258066	6258066~NTP	are-bla_ratio	Activator	cca	hill
6258066	6258066~NTP	are-bla_via	Inactive	cca	cnst
6264660	6264660~EPA	are-bla_ch1	Repressor	cca	hill.inv
6264660	6264660~EPA	are-bla_ch2	Activator	cca	hill
6264660	6264660~EPA	are-bla_ratio	Activator	cca	hill
6264660	6264660~EPA	are-bla_via	Inactive	cca	cnst
626562	626562~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
626562	626562~NTP	ap1-agonist_ch2	Activator	cca	gnls
626562	626562~NTP	ap1-agonist_ratio	Activator	cca	gnls
626562	626562~NTP	ap1-agonist_via	Inactive	cca	cnst
62680	62680~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
62680	62680~FDA	ap1-agonist_ch2	Activator	EOC	hill
62680	62680~FDA	ap1-agonist_ratio	Activator	EOC	hill
62680	62680~FDA	ap1-agonist_via	Inactive	EOC	cnst
62737	62737~FDA	are-bla_ch1	Repressor	cca	hill.inv
62737	62737~FDA	are-bla_ch2	Activator	cca	hill
62737	62737~FDA	are-bla_ratio	Activator	cca	hill
62737	62737~FDA	are-bla_via	Inactive	cca	cnst
62737	62737~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
62737	62737~NTP	are-bla_ch2	Activator	EOC/PUC	hill
62737	62737~NTP	are-bla_ratio	Activator	EOC/PUC	hill
62737	62737~NTP	are-bla_via	Inactive	EOC/PUC	cnst
627634	627634~NTP	are-bla_ch1	Inactive	cca	cnst
627634	627634~NTP	are-bla_ch2	Activator	cca	hill
627634	627634~NTP	are-bla_ratio	Activator	cca	hill
627634	627634~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
627930	627930~NTP	are-bla_ch1	Inactive	cca	cnst
627930	627930~NTP	are-bla_ch2	Activator	cca	hill
627930	627930~NTP	are-bla_ratio	Activator	cca	hill
627930	627930~NTP	are-bla_via	Inactive	cca	cnst
6285570	6285570~FDA	are-bla_ch1	Inactive	cca	cnst
6285570	6285570~FDA	are-bla_ch2	Activator	cca	hill
6285570	6285570~FDA	are-bla_ratio	Activator	cca	hill
6285570	6285570~FDA	are-bla_via	Inactive	cca	cnst
6285570	6285570~NTP	are-bla_ch1	Repressor	cca	hill.inv
6285570	6285570~NTP	are-bla_ch2	Activator	cca	hill
6285570	6285570~NTP	are-bla_ratio	Activator	cca	hill
6285570	6285570~NTP	are-bla_via	Inactive	cca	cnst
628637	628637~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
628637	628637~EPA	ap1-agonist_ch2	Activator	cca	hill
628637	628637~EPA	ap1-agonist_ratio	Activator	cca	hill
628637	628637~EPA	ap1-agonist_via	Inactive	cca	cnst
628637	628637~EPA	are-bla_ch1	Inactive	EUC	cnst
628637	628637~EPA	are-bla_ch2	Activator	EUC	hill
628637	628637~EPA	are-bla_ratio	Activator	EUC	hill
628637	628637~EPA	are-bla_via	Inactive	EUC	cnst
630160	630160~NTP	are-bla_ch1	Activator	cca	hill
630160	630160~NTP	are-bla_ch2	Activator	cca	gnls
630160	630160~NTP	are-bla_ratio	Activator	cca	gnls
630160	630160~NTP	are-bla_via	Inactive	cca	cnst
630160	630160~NTP	hse-bla_ch1	Inactive	cca	cnst
630160	630160~NTP	hse-bla_ch2	Activator	cca	gnls
630160	630160~NTP	hse-bla_ratio	Activator	cca	gnls
630160	630160~NTP	hse-bla_via	Inactive	cca	cnst
630160	630160~NTP	p53-bla_ch1	Repressor	cca	hill.inv
630160	630160~NTP	p53-bla_ch2	Activator	cca	hill
630160	630160~NTP	p53-bla_ratio	Activator	cca	hill
630160	630160~NTP	p53-bla_via	Inactive	cca	cnst
63041770	63041770~NTP	ap1-agonist_ch1	Activator	EUC/POC	hill
63041770	63041770~NTP	ap1-agonist_ch2	Activator	EUC/POC	hill
63041770	63041770~NTP	ap1-agonist_ratio	Activator	EUC/POC	hill
63041770	63041770~NTP	ap1-agonist_via	Inactive	EUC/POC	cnst
63041770	63041770~NTP	are-bla_ch1	Activator	EUC/POC	hill
63041770	63041770~NTP	are-bla_ch2	Activator	EUC/POC	hill
63041770	63041770~NTP	are-bla_ratio	Activator	EUC/POC	gnls
63041770	63041770~NTP	are-bla_via	Inactive	EUC/POC	cnst
63041770	63041770~NTP	esre-bla_ch1	Activator	EUC	hill
63041770	63041770~NTP	esre-bla_ch2	Activator	EUC	hill
63041770	63041770~NTP	esre-bla_ratio	Activator	EUC	gnls
63041770	63041770~NTP	esre-bla_via	Inactive	EUC	cnst
63041770	63041770~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
63041770	63041770~NTP	hre-bla-agonist_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
63041770	63041770~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
63041770	63041770~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
63041770	63041770~NTP	hse-bla_ch1	Activator	EUC	hill
63041770	63041770~NTP	hse-bla_ch2	Activator	EUC	hill
63041770	63041770~NTP	hse-bla_ratio	Activator	EUC	hill
63041770	63041770~NTP	hse-bla_via	Inactive	EUC	cnst
63041770	63041770~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
63041770	63041770~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
63041770	63041770~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
63041770	63041770~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
63041770	63041770~NTP	p53-bla_ch1	Activator	EUC	hill
63041770	63041770~NTP	p53-bla_ch2	Activator	EUC	hill
63041770	63041770~NTP	p53-bla_ratio	Activator	EUC	hill
63041770	63041770~NTP	p53-bla_via	Inactive	EUC	cnst
630568	630568~EPA	are-bla_ch1	Inactive	EUC	cnst
630568	630568~EPA	are-bla_ch2	Activator	EUC	gnls
630568	630568~EPA	are-bla_ratio	Activator	EUC	gnls
630568	630568~EPA	are-bla_via	Repressor	EUC	hill.inv
630568	630568~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
630568	630568~EPA	hse-bla_ch2	Inactive	rfp	cnst
630568	630568~EPA	hse-bla_ratio	Activator	rfp	hill
630568	630568~EPA	hse-bla_via	Inactive	rfp	cnst
630568	630568~FDA	are-bla_ch1	Activator	EUC	hill
630568	630568~FDA	are-bla_ch2	Activator	EUC	gnls
630568	630568~FDA	are-bla_ratio	Activator	EUC	gnls
630568	630568~FDA	are-bla_via	Inactive	EUC	cnst
63058	63058~EPA	are-bla_ch1	Inactive	rfn	cnst
63058	63058~EPA	are-bla_ch2	Activator	rfn	hill
63058	63058~EPA	are-bla_ratio	Inactive	rfn	cnst
63058	63058~EPA	are-bla_via	Inactive	rfn	cnst
63058	63058~NTP	are-bla_ch1	Inactive	EUC	cnst
63058	63058~NTP	are-bla_ch2	Activator	EUC	hill
63058	63058~NTP	are-bla_ratio	Activator	EUC	hill
63058	63058~NTP	are-bla_via	Inactive	EUC	cnst
630604	630604~EPA	are-bla_ch1	Activator	rfn	hill
630604	630604~EPA	are-bla_ch2	Activator	rfn	gnls
630604	630604~EPA	are-bla_ratio	Inactive	rfn	hill.inv
630604	630604~EPA	are-bla_via	Repressor	rfn	hill.inv
630604	630604~EPA	p53-bla_ch1	Activator	PUC	gnls
630604	630604~EPA	p53-bla_ch2	Activator	PUC	gnls
630604	630604~EPA	p53-bla_ratio	Activator	PUC	gnls
630604	630604~EPA	p53-bla_via	Repressor	PUC	hill.inv
630604	630604~FDA	are-bla_ch1	Activator	rfn	hill
630604	630604~FDA	are-bla_ch2	Activator	rfn	gnls
630604	630604~FDA	are-bla_ratio	Inactive	rfn	hill.inv
630604	630604~FDA	are-bla_via	Repressor	rfn	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
63134338	63134338~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
63134338	63134338~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
63134338	63134338~NTP	ap1-agonist_ratio	Activator	rfp	hill
63134338	63134338~NTP	ap1-agonist_via	Inactive	rfp	cnst
631641	631641~EPA	are-bla_ch1	Inactive	cca	cnst
631641	631641~EPA	are-bla_ch2	Activator	cca	hill
631641	631641~EPA	are-bla_ratio	Activator	cca	hill
631641	631641~EPA	are-bla_via	Inactive	cca	cnst
631641	631641~NTP	are-bla_ch1	Inactive	cca	cnst
631641	631641~NTP	are-bla_ch2	Activator	cca	gnls
631641	631641~NTP	are-bla_ratio	Activator	cca	gnls
631641	631641~NTP	are-bla_via	Inactive	cca	cnst
6317186	6317186~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6317186	6317186~EPA	ap1-agonist_ch2	Activator	cca	gnls
6317186	6317186~EPA	ap1-agonist_ratio	Activator	cca	hill
6317186	6317186~EPA	ap1-agonist_via	Repressor	cca	hill.inv
6317186	6317186~EPA	are-bla_ch1	Repressor	cca	hill.inv
6317186	6317186~EPA	are-bla_ch2	Activator	cca	gnls
6317186	6317186~EPA	are-bla_ratio	Activator	cca	gnls
6317186	6317186~EPA	are-bla_via	Repressor	cca	hill.inv
6317186	6317186~EPA	esre-bla_ch1	Repressor	PUC	hill.inv
6317186	6317186~EPA	esre-bla_ch2	Activator	PUC	gnls
6317186	6317186~EPA	esre-bla_ratio	Activator	PUC	hill
6317186	6317186~EPA	esre-bla_via	Repressor	PUC	hill.inv
6317186	6317186~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
6317186	6317186~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
6317186	6317186~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
6317186	6317186~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
6317186	6317186~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
6317186	6317186~EPA	hse-bla_ch2	Activator	EOC	hill
6317186	6317186~EPA	hse-bla_ratio	Activator	EOC	hill
6317186	6317186~EPA	hse-bla_via	Repressor	EOC	hill.inv
6317186	6317186~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
6317186	6317186~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
6317186	6317186~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
6317186	6317186~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
6317186	6317186~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
6317186	6317186~EPA	p53-bla_ch2	Activator	EOC	gnls
6317186	6317186~EPA	p53-bla_ratio	Activator	EOC	hill
6317186	6317186~EPA	p53-bla_via	Repressor	EOC	hill.inv
6317186	6317186~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
6317186	6317186~NTP	ap1-agonist_ch2	Activator	cca	gnls
6317186	6317186~NTP	ap1-agonist_ratio	Activator	cca	gnls
6317186	6317186~NTP	ap1-agonist_via	Complex	cca	gnls
6317186	6317186~NTP	are-bla_ch1	Repressor	cca	hill.inv
6317186	6317186~NTP	are-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
6317186	6317186~NTP	are-bla_ratio	Activator	cca	gnls
6317186	6317186~NTP	are-bla_via	Repressor	cca	hill.inv
6317186	6317186~NTP	esre-bla_ch1	Complex	PUC	gnls
6317186	6317186~NTP	esre-bla_ch2	Activator	PUC	gnls
6317186	6317186~NTP	esre-bla_ratio	Activator	PUC	hill
6317186	6317186~NTP	esre-bla_via	Repressor	PUC	hill.inv
6317186	6317186~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
6317186	6317186~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
6317186	6317186~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
6317186	6317186~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
6317186	6317186~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
6317186	6317186~NTP	hse-bla_ch2	Activator	EOC/PUC	hill
6317186	6317186~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
6317186	6317186~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
6317186	6317186~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
6317186	6317186~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
6317186	6317186~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
6317186	6317186~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
6317186	6317186~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
6317186	6317186~NTP	p53-bla_ch2	Activator	EOC	gnls
6317186	6317186~NTP	p53-bla_ratio	Activator	EOC	hill
6317186	6317186~NTP	p53-bla_via	Repressor	EOC	hill.inv
63252	63252~EPA	are-bla_ch1	Inactive	cca	cnst
63252	63252~EPA	are-bla_ch2	Activator	cca	hill
63252	63252~EPA	are-bla_ratio	Activator	cca	hill
63252	63252~EPA	are-bla_via	Inactive	cca	cnst
63252	63252~FDA	are-bla_ch1	Inactive	cca	cnst
63252	63252~FDA	are-bla_ch2	Activator	cca	hill
63252	63252~FDA	are-bla_ratio	Activator	cca	hill
63252	63252~FDA	are-bla_via	Inactive	cca	cnst
63252	63252~NTP	are-bla_ch1	Inactive	cca	cnst
63252	63252~NTP	are-bla_ch2	Activator	cca	hill
63252	63252~NTP	are-bla_ratio	Activator	cca	hill
63252	63252~NTP	are-bla_via	Inactive	cca	cnst
632699	632699~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
632699	632699~FDA	p53-bla_ch2	Inactive	rfp	cnst
632699	632699~FDA	p53-bla_ratio	Activator	rfp	hill
632699	632699~FDA	p53-bla_via	Repressor	rfp	hill.inv
632791	632791~NTP	are-bla_ch1	Inactive	rfn	cnst
632791	632791~NTP	are-bla_ch2	Activator	rfn	hill
632791	632791~NTP	are-bla_ratio	Inactive	rfn	cnst
632791	632791~NTP	are-bla_via	Inactive	rfn	cnst
63284719	63284719~EPA	are-bla_ch1	Inactive	EUC	cnst
63284719	63284719~EPA	are-bla_ch2	Activator	EUC	hill
63284719	63284719~EPA	are-bla_ratio	Activator	EUC	hill
63284719	63284719~EPA	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
632995	632995~NTP	are-bla_ch1	Inactive	cca	cnst
632995	632995~NTP	are-bla_ch2	Activator	cca	hill
632995	632995~NTP	are-bla_ratio	Activator	cca	hill
632995	632995~NTP	are-bla_via	Inactive	cca	cnst
633034	633034~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
633034	633034~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
633034	633034~FDA	p53-bla_ratio	Activator	rfp	hill
633034	633034~FDA	p53-bla_via	Repressor	rfp	hill.inv
633658	633658~FDA	are-bla_ch1	Repressor	cca	hill.inv
633658	633658~FDA	are-bla_ch2	Activator	cca	gnls
633658	633658~FDA	are-bla_ratio	Activator	cca	hill
633658	633658~FDA	are-bla_via	Inactive	cca	cnst
633658	633658~NTP	are-bla_ch1	Repressor	cca	hill.inv
633658	633658~NTP	are-bla_ch2	Activator	cca	gnls
633658	633658~NTP	are-bla_ratio	Activator	cca	gnls
633658	633658~NTP	are-bla_via	Inactive	cca	cnst
633965	633965~EPA	are-bla_ch1	Repressor	EUC	hill.inv
633965	633965~EPA	are-bla_ch2	Activator	EUC	hill
633965	633965~EPA	are-bla_ratio	Activator	EUC	hill
633965	633965~EPA	are-bla_via	Repressor	EUC	hill.inv
6344678	6344678~EPA	are-bla_ch1	Repressor	cca	hill.inv
6344678	6344678~EPA	are-bla_ch2	Activator	cca	gnls
6344678	6344678~EPA	are-bla_ratio	Activator	cca	gnls
6344678	6344678~EPA	are-bla_via	Inactive	cca	cnst
63449412	63449412~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
63449412	63449412~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
63449412	63449412~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
63449412	63449412~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
63449412	63449412~EPA	are-bla_ch1	Repressor	rfn	hill.inv
63449412	63449412~EPA	are-bla_ch2	Activator	rfn	gnls
63449412	63449412~EPA	are-bla_ratio	Inactive	rfn	cnst
63449412	63449412~EPA	are-bla_via	Repressor	rfn	hill.inv
63449412	63449412~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
63449412	63449412~EPA	hse-bla_ch2	Inactive	rfp	cnst
63449412	63449412~EPA	hse-bla_ratio	Activator	rfp	hill
63449412	63449412~EPA	hse-bla_via	Repressor	rfp	hill.inv
63449412	63449412~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
63449412	63449412~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
63449412	63449412~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
63449412	63449412~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
63449412	63449412~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
63449412	63449412~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
63449412	63449412~EPA	p53-bla_ratio	Activator	rfp	hill
63449412	63449412~EPA	p53-bla_via	Repressor	rfp	hill.inv
63449683	63449683~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
63449683	63449683~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
63449683	63449683~EPA	ap1-agonist_ratio	Activator	cca	hill
63449683	63449683~EPA	ap1-agonist_via	Repressor	cca	hill.inv
63449683	63449683~EPA	are-bla_ch1	Inactive	cca	cnst
63449683	63449683~EPA	are-bla_ch2	Activator	cca	hill
63449683	63449683~EPA	are-bla_ratio	Activator	cca	hill
63449683	63449683~EPA	are-bla_via	Inactive	cca	cnst
63456	63456~FDA	esre-bla_ch1	Inactive	cca	cnst
63456	63456~FDA	esre-bla_ch2	Activator	cca	gnls
63456	63456~FDA	esre-bla_ratio	Activator	cca	hill
63456	63456~FDA	esre-bla_via	Inactive	cca	cnst
635223	635223~NTP	ap1-agonist_ch1	Inactive	cca	cnst
635223	635223~NTP	ap1-agonist_ch2	Activator	cca	hill
635223	635223~NTP	ap1-agonist_ratio	Activator	cca	hill
635223	635223~NTP	ap1-agonist_via	Inactive	cca	cnst
6358072	6358072~NTP	are-bla_ch1	Repressor	cca	hill.inv
6358072	6358072~NTP	are-bla_ch2	Activator	cca	hill
6358072	6358072~NTP	are-bla_ratio	Activator	cca	hill
6358072	6358072~NTP	are-bla_via	Inactive	cca	cnst
6358538	6358538~NTP	ap1-agonist_ch1	Repressor	rfp	gnls.inv
6358538	6358538~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
6358538	6358538~NTP	ap1-agonist_ratio	Activator	rfp	gnls
6358538	6358538~NTP	ap1-agonist_via	Inactive	rfp	cnst
63612500	63612500~EPA	are-bla_ch1	Inactive	cca	cnst
63612500	63612500~EPA	are-bla_ch2	Activator	cca	hill
63612500	63612500~EPA	are-bla_ratio	Activator	cca	hill
63612500	63612500~EPA	are-bla_via	Inactive	cca	cnst
63612500	63612500~FDA	are-bla_ch1	Inactive	cca	cnst
63612500	63612500~FDA	are-bla_ch2	Activator	cca	hill
63612500	63612500~FDA	are-bla_ratio	Activator	cca	hill
63612500	63612500~FDA	are-bla_via	Inactive	cca	cnst
636260	636260~NTP	ap1-agonist_ch1	Inactive	cca	cnst
636260	636260~NTP	ap1-agonist_ch2	Activator	cca	hill
636260	636260~NTP	ap1-agonist_ratio	Activator	cca	hill
636260	636260~NTP	ap1-agonist_via	Inactive	cca	cnst
63675729	63675729~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
63675729	63675729~EPA	ap1-agonist_ch2	Activator	EOC	gnls
63675729	63675729~EPA	ap1-agonist_ratio	Activator	EOC	gnls
63675729	63675729~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
63675729	63675729~EPA	are-bla_ch1	Inactive	rfn	cnst
63675729	63675729~EPA	are-bla_ch2	Activator	rfn	gnls
63675729	63675729~EPA	are-bla_ratio	Inactive	rfn	hill.inv
63675729	63675729~EPA	are-bla_via	Repressor	rfn	hill.inv
63675729	63675729~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
63675729	63675729~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
63675729	63675729~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
63675729	63675729~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
63675729	63675729~EPA	hse-bla_ch1	Repressor	cca	hill.inv
63675729	63675729~EPA	hse-bla_ch2	Activator	cca	gnls
63675729	63675729~EPA	hse-bla_ratio	Activator	cca	gnls
63675729	63675729~EPA	hse-bla_via	Inactive	cca	cnst
63675729	63675729~FDA	are-bla_ch1	Inactive	cca	cnst
63675729	63675729~FDA	are-bla_ch2	Activator	cca	hill
63675729	63675729~FDA	are-bla_ratio	Activator	cca	hill
63675729	63675729~FDA	are-bla_via	Inactive	cca	cnst
63675729	63675729~FDA	p53-bla_ch1	Inactive	cca	cnst
63675729	63675729~FDA	p53-bla_ch2	Activator	cca	hill
63675729	63675729~FDA	p53-bla_ratio	Activator	cca	hill
63675729	63675729~FDA	p53-bla_via	Inactive	cca	cnst
637036	637036~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
637036	637036~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
637036	637036~EPA	ap1-agonist_ratio	Activator	rfp	hill
637036	637036~EPA	ap1-agonist_via	Complex	rfp	gnls
637036	637036~EPA	are-bla_ch1	Repressor	cca	hill.inv
637036	637036~EPA	are-bla_ch2	Activator	cca	gnls
637036	637036~EPA	are-bla_ratio	Activator	cca	gnls
637036	637036~EPA	are-bla_via	Repressor	cca	hill.inv
637036	637036~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
637036	637036~EPA	esre-bla_ch2	Inactive	rfp	cnst
637036	637036~EPA	esre-bla_ratio	Activator	rfp	gnls
637036	637036~EPA	esre-bla_via	Repressor	rfp	hill.inv
637036	637036~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
637036	637036~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
637036	637036~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
637036	637036~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
637036	637036~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
637036	637036~EPA	hse-bla_ch2	Activator	PUC	gnls
637036	637036~EPA	hse-bla_ratio	Activator	PUC	hill
637036	637036~EPA	hse-bla_via	Repressor	PUC	hill.inv
637036	637036~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
637036	637036~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
637036	637036~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
637036	637036~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
637036	637036~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
637036	637036~EPA	p53-bla_ch2	Activator	EOC	gnls
637036	637036~EPA	p53-bla_ratio	Activator	EOC	gnls
637036	637036~EPA	p53-bla_via	Repressor	EOC	hill.inv
6379733	6379733~NTP	ap1-agonist_ch1	Inactive	cca	cnst
6379733	6379733~NTP	ap1-agonist_ch2	Activator	cca	hill
6379733	6379733~NTP	ap1-agonist_ratio	Activator	cca	hill
6379733	6379733~NTP	ap1-agonist_via	Inactive	cca	cnst
638073	638073~EPA	are-bla_ch1	Inactive	PUC	cnst
638073	638073~EPA	are-bla_ch2	Activator	PUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
638073	638073~EPA	are-bla_ratio	Activator	PUC	gnls
638073	638073~EPA	are-bla_via	Inactive	PUC	cnst
638073	638073~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
638073	638073~EPA	p53-bla_ch2	Activator	EOC	hill
638073	638073~EPA	p53-bla_ratio	Activator	EOC	hill
638073	638073~EPA	p53-bla_via	Inactive	EOC	cnst
63837332	63837332~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
63837332	63837332~EPA	ap1-agonist_ch2	Activator	cca	hill
63837332	63837332~EPA	ap1-agonist_ratio	Activator	cca	hill
63837332	63837332~EPA	ap1-agonist_via	Inactive	cca	cnst
63837332	63837332~EPA	are-bla_ch1	Inactive	EUC	cnst
63837332	63837332~EPA	are-bla_ch2	Activator	EUC	hill
63837332	63837332~EPA	are-bla_ratio	Activator	EUC	hill
63837332	63837332~EPA	are-bla_via	Inactive	EUC	cnst
638380	638380~EPA	are-bla_ch1	Repressor	cca	hill.inv
638380	638380~EPA	are-bla_ch2	Activator	cca	hill
638380	638380~EPA	are-bla_ratio	Activator	cca	hill
638380	638380~EPA	are-bla_via	Inactive	cca	cnst
638380	638380~NTP	are-bla_ch1	Inactive	EOC/PUC	cnst
638380	638380~NTP	are-bla_ch2	Activator	EOC/PUC	hill
638380	638380~NTP	are-bla_ratio	Activator	EOC/PUC	hill
638380	638380~NTP	are-bla_via	Inactive	EOC/PUC	cnst
6385020	6385020~FDA	p53-bla_ch1	Inactive	cca	cnst
6385020	6385020~FDA	p53-bla_ch2	Activator	cca	hill
6385020	6385020~FDA	p53-bla_ratio	Activator	cca	hill
6385020	6385020~FDA	p53-bla_via	Inactive	cca	cnst
6385586	6385586~NTP	are-bla_ch1	Repressor	rfp	hill.inv
6385586	6385586~NTP	are-bla_ch2	Inactive	rfp	hill.inv
6385586	6385586~NTP	are-bla_ratio	Activator	rfp	gnls
6385586	6385586~NTP	are-bla_via	Repressor	rfp	hill.inv
6385586	6385586~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
6385586	6385586~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
6385586	6385586~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
6385586	6385586~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
6385586	6385586~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
6385586	6385586~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
6385586	6385586~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
6385586	6385586~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
6385622	6385622~EPA	are-bla_ch1	Repressor	cca	hill.inv
6385622	6385622~EPA	are-bla_ch2	Activator	cca	hill
6385622	6385622~EPA	are-bla_ratio	Activator	cca	hill
6385622	6385622~EPA	are-bla_via	Inactive	cca	cnst
63923	63923~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
63923	63923~EPA	ap1-agonist_ch2	Activator	cca	hill
63923	63923~EPA	ap1-agonist_ratio	Activator	cca	hill
63923	63923~EPA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
63923	63923~EPA	are-bla_ch1	Repressor	cca	hill.inv
63923	63923~EPA	are-bla_ch2	Activator	cca	gnls
63923	63923~EPA	are-bla_ratio	Activator	cca	gnls
63923	63923~EPA	are-bla_via	Repressor	cca	hill.inv
63923	63923~EPA	hse-bla_ch1	Inactive	cca	cnst
63923	63923~EPA	hse-bla_ch2	Activator	cca	hill
63923	63923~EPA	hse-bla_ratio	Activator	cca	hill
63923	63923~EPA	hse-bla_via	Inactive	cca	cnst
63923	63923~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
63923	63923~EPA	p53-bla_ch2	Inactive	rfp	cnst
63923	63923~EPA	p53-bla_ratio	Activator	rfp	hill
63923	63923~EPA	p53-bla_via	Repressor	rfp	hill.inv
63923	63923~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
63923	63923~NTP	ap1-agonist_ch2	Activator	cca	hill
63923	63923~NTP	ap1-agonist_ratio	Activator	cca	hill
63923	63923~NTP	ap1-agonist_via	Inactive	cca	cnst
63923	63923~NTP	are-bla_ch1	Repressor	cca	hill.inv
63923	63923~NTP	are-bla_ch2	Activator	cca	gnls
63923	63923~NTP	are-bla_ratio	Activator	cca	gnls
63923	63923~NTP	are-bla_via	Inactive	cca	cnst
63923	63923~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
63923	63923~NTP	p53-bla_ch2	Inactive	rfp	cnst
63923	63923~NTP	p53-bla_ratio	Activator	rfp	hill
63923	63923~NTP	p53-bla_via	Repressor	rfp	hill.inv
639587	639587~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
639587	639587~NTP	ap1-agonist_ch2	Activator	cca	gnls
639587	639587~NTP	ap1-agonist_ratio	Activator	cca	gnls
639587	639587~NTP	ap1-agonist_via	Repressor	cca	hill.inv
639587	639587~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
639587	639587~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
639587	639587~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
639587	639587~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
6402239	6402239~FDA	ap1-agonist_ch1	Inactive	cca	cnst
6402239	6402239~FDA	ap1-agonist_ch2	Activator	cca	hill
6402239	6402239~FDA	ap1-agonist_ratio	Activator	cca	hill
6402239	6402239~FDA	ap1-agonist_via	Inactive	cca	cnst
6402239	6402239~FDA	are-bla_ch1	Activator	EUC	gnls
6402239	6402239~FDA	are-bla_ch2	Activator	EUC	gnls
6402239	6402239~FDA	are-bla_ratio	Activator	EUC	gnls
6402239	6402239~FDA	are-bla_via	Repressor	EUC	hill.inv
6402239	6402239~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
6402239	6402239~FDA	hre-bla-agonist_ch2	Activator	cca	hill
6402239	6402239~FDA	hre-bla-agonist_ratio	Activator	cca	hill
6402239	6402239~FDA	hre-bla-agonist_via	Repressor	cca	gnls.inv
6402239	6402239~FDA	p53-bla_ch1	Repressor	cca	hill.inv
6402239	6402239~FDA	p53-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
6402239	6402239~FDA	p53-bla_ratio	Activator	cca	hill
6402239	6402239~FDA	p53-bla_via	Inactive	cca	cnst
64057701	64057701~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
64057701	64057701~FDA	ap1-agonist_ch2	Activator	cca	hill
64057701	64057701~FDA	ap1-agonist_ratio	Activator	cca	hill
64057701	64057701~FDA	ap1-agonist_via	Inactive	cca	cnst
64092484	64092484~NTP	are-bla_ch1	Inactive	cca	cnst
64092484	64092484~NTP	are-bla_ch2	Activator	cca	hill
64092484	64092484~NTP	are-bla_ratio	Activator	cca	hill
64092484	64092484~NTP	are-bla_via	Inactive	cca	cnst
64211467	64211467~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
64211467	64211467~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
64211467	64211467~FDA	ap1-agonist_ratio	Activator	rfp	hill
64211467	64211467~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
64211467	64211467~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
64211467	64211467~FDA	esre-bla_ch2	Inactive	rfp	cnst
64211467	64211467~FDA	esre-bla_ratio	Activator	rfp	hill
64211467	64211467~FDA	esre-bla_via	Repressor	rfp	hill.inv
64211467	64211467~FDA	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
64211467	64211467~FDA	hre-bla-agonist_ch2	Activator	EOC	hill
64211467	64211467~FDA	hre-bla-agonist_ratio	Activator	EOC	hill
64211467	64211467~FDA	hre-bla-agonist_via	Repressor	EOC	hill.inv
64211467	64211467~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
64211467	64211467~FDA	hse-bla_ch2	Inactive	rfp	cnst
64211467	64211467~FDA	hse-bla_ratio	Activator	rfp	hill
64211467	64211467~FDA	hse-bla_via	Repressor	rfp	hill.inv
64211467	64211467~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
64211467	64211467~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
64211467	64211467~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
64211467	64211467~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
64211467	64211467~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
64211467	64211467~FDA	p53-bla_ch2	Inactive	rfp	cnst
64211467	64211467~FDA	p53-bla_ratio	Activator	rfp	hill
64211467	64211467~FDA	p53-bla_via	Repressor	rfp	hill.inv
642831	642831~FDA	are-bla_ch1	Repressor	cca	hill.inv
642831	642831~FDA	are-bla_ch2	Activator	cca	hill
642831	642831~FDA	are-bla_ratio	Activator	cca	hill
642831	642831~FDA	are-bla_via	Inactive	cca	cnst
64359815	64359815~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
64359815	64359815~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
64359815	64359815~EPA	ap1-agonist_ratio	Activator	rfp	gnls
64359815	64359815~EPA	ap1-agonist_via	Inactive	rfp	cnst
64359815	64359815~EPA	are-bla_ch1	Repressor	rfp	gnls.inv
64359815	64359815~EPA	are-bla_ch2	Inactive	rfp	hill.inv
64359815	64359815~EPA	are-bla_ratio	Activator	rfp	gnls
64359815	64359815~EPA	are-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
64359815	64359815~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
64359815	64359815~EPA	esre-bla_ch2	Inactive	rfp	cnst
64359815	64359815~EPA	esre-bla_ratio	Activator	rfp	hill
64359815	64359815~EPA	esre-bla_via	Repressor	rfp	hill.inv
64359815	64359815~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
64359815	64359815~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
64359815	64359815~EPA	hre-bla-agonist_ratio	Activator	rfp	gnls
64359815	64359815~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
64359815	64359815~EPA	hse-bla_ch1	Repressor	cca	hill.inv
64359815	64359815~EPA	hse-bla_ch2	Activator	cca	hill
64359815	64359815~EPA	hse-bla_ratio	Activator	cca	hill
64359815	64359815~EPA	hse-bla_via	Repressor	cca	hill.inv
64359815	64359815~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
64359815	64359815~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
64359815	64359815~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
64359815	64359815~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
64359815	64359815~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
64359815	64359815~EPA	p53-bla_ch2	Activator	EOC	gnls
64359815	64359815~EPA	p53-bla_ratio	Activator	EOC	hill
64359815	64359815~EPA	p53-bla_via	Repressor	EOC	hill.inv
643798	643798~EPA	are-bla_ch1	Inactive	cca	cnst
643798	643798~EPA	are-bla_ch2	Activator	cca	gnls
643798	643798~EPA	are-bla_ratio	Activator	cca	gnls
643798	643798~EPA	are-bla_via	Inactive	cca	cnst
643798	643798~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
643798	643798~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
643798	643798~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
643798	643798~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
643798	643798~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
643798	643798~EPA	hse-bla_ch2	Inactive	rfp	cnst
643798	643798~EPA	hse-bla_ratio	Activator	rfp	hill
643798	643798~EPA	hse-bla_via	Repressor	rfp	hill.inv
643798	643798~EPA	p53-bla_ch1	Repressor	cca	gnls.inv
643798	643798~EPA	p53-bla_ch2	Activator	cca	gnls
643798	643798~EPA	p53-bla_ratio	Activator	cca	gnls
643798	643798~EPA	p53-bla_via	Inactive	cca	cnst
643798	643798~FDA	p53-bla_ch1	Repressor	cca	gnls.inv
643798	643798~FDA	p53-bla_ch2	Activator	cca	gnls
643798	643798~FDA	p53-bla_ratio	Activator	cca	gnls
643798	643798~FDA	p53-bla_via	Repressor	cca	hill.inv
64436131	64436131~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
64436131	64436131~NTP	ap1-agonist_ch2	Activator	cca	hill
64436131	64436131~NTP	ap1-agonist_ratio	Activator	cca	hill
64436131	64436131~NTP	ap1-agonist_via	Inactive	cca	cnst
64486186	64486186~FDA	are-bla_ch1	Repressor	cca	hill.inv
64486186	64486186~FDA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
64486186	64486186~FDA	are-bla_ratio	Activator	cca	hill
64486186	64486186~FDA	are-bla_via	Inactive	cca	cnst
64506496	64506496~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
64506496	64506496~FDA	ap1-agonist_ch2	Activator	cca	gnls
64506496	64506496~FDA	ap1-agonist_ratio	Activator	cca	gnls
64506496	64506496~FDA	ap1-agonist_via	Inactive	cca	cnst
64506496	64506496~FDA	are-bla_ch1	Inactive	cca	cnst
64506496	64506496~FDA	are-bla_ch2	Activator	cca	gnls
64506496	64506496~FDA	are-bla_ratio	Activator	cca	gnls
64506496	64506496~FDA	are-bla_via	Repressor	cca	hill.inv
64506496	64506496~FDA	hse-bla_ch1	Inactive	cca	cnst
64506496	64506496~FDA	hse-bla_ch2	Activator	cca	gnls
64506496	64506496~FDA	hse-bla_ratio	Activator	cca	gnls
64506496	64506496~FDA	hse-bla_via	Inactive	cca	cnst
64506496	64506496~FDA	p53-bla_ch1	Repressor	cca	hill.inv
64506496	64506496~FDA	p53-bla_ch2	Activator	cca	gnls
64506496	64506496~FDA	p53-bla_ratio	Activator	cca	gnls
64506496	64506496~FDA	p53-bla_via	Repressor	cca	hill.inv
6452739	6452739~FDA	ap1-agonist_ch1	Inactive	cca	cnst
6452739	6452739~FDA	ap1-agonist_ch2	Activator	cca	hill
6452739	6452739~FDA	ap1-agonist_ratio	Activator	cca	hill
6452739	6452739~FDA	ap1-agonist_via	Inactive	cca	cnst
645498	645498~NTP	are-bla_ch1	Repressor	EOC	hill.inv
645498	645498~NTP	are-bla_ch2	Activator	EOC	hill
645498	645498~NTP	are-bla_ratio	Activator	EOC	hill
645498	645498~NTP	are-bla_via	Inactive	EOC	cnst
6459945	6459945~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
6459945	6459945~EPA	esre-bla_ch2	Inactive	rfp	cnst
6459945	6459945~EPA	esre-bla_ratio	Activator	rfp	hill
6459945	6459945~EPA	esre-bla_via	Inactive	rfp	cnst
6459945	6459945~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
6459945	6459945~NTP	esre-bla_ch2	Inactive	rfp	cnst
6459945	6459945~NTP	esre-bla_ratio	Activator	rfp	hill
6459945	6459945~NTP	esre-bla_via	Inactive	rfp	cnst
6459945	6459945~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
6459945	6459945~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
6459945	6459945~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
6459945	6459945~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
64697401	64697401~NTP	are-bla_ch1	Inactive	cca	cnst
64697401	64697401~NTP	are-bla_ch2	Activator	cca	gnls
64697401	64697401~NTP	are-bla_ratio	Activator	cca	gnls
64697401	64697401~NTP	are-bla_via	Inactive	cca	cnst
64706543	64706543~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
64706543	64706543~FDA	ap1-agonist_ch2	Activator	EOC	gnls
64706543	64706543~FDA	ap1-agonist_ratio	Activator	EOC	hill
64706543	64706543~FDA	ap1-agonist_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
64706543	64706543~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
64706543	64706543~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
64706543	64706543~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
64706543	64706543~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
64722	64722~EPA	are-bla_ch1	Activator	rfn	hill
64722	64722~EPA	are-bla_ch2	Activator	rfn	hill
64722	64722~EPA	are-bla_ratio	Inactive	rfn	hill.inv
64722	64722~EPA	are-bla_via	Inactive	rfn	cnst
64722	64722~EPA	esre-bla_ch1	Activator	rfn	hill
64722	64722~EPA	esre-bla_ch2	Activator	rfn	hill
64722	64722~EPA	esre-bla_ratio	Inactive	rfn	hill.inv
64722	64722~EPA	esre-bla_via	Inactive	rfn	cnst
64722	64722~EPA	hse-bla_ch1	Activator	rfn	hill
64722	64722~EPA	hse-bla_ch2	Activator	rfn	hill
64722	64722~EPA	hse-bla_ratio	Inactive	rfn	cnst
64722	64722~EPA	hse-bla_via	Inactive	rfn	cnst
64808486	64808486~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
64808486	64808486~FDA	ap1-agonist_ch2	Activator	cca	hill
64808486	64808486~FDA	ap1-agonist_ratio	Activator	cca	hill
64808486	64808486~FDA	ap1-agonist_via	Inactive	cca	cnst
64857	64857~EPA	ap1-agonist_ch1	Inactive	cca	cnst
64857	64857~EPA	ap1-agonist_ch2	Activator	cca	hill
64857	64857~EPA	ap1-agonist_ratio	Activator	cca	hill
64857	64857~EPA	ap1-agonist_via	Inactive	cca	cnst
64857	64857~EPA	are-bla_ch1	Inactive	EUC	cnst
64857	64857~EPA	are-bla_ch2	Activator	EUC	hill
64857	64857~EPA	are-bla_ratio	Activator	EUC	hill
64857	64857~EPA	are-bla_via	Inactive	EUC	cnst
64868	64868~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
64868	64868~EPA	ap1-agonist_ch2	Activator	cca	hill
64868	64868~EPA	ap1-agonist_ratio	Activator	cca	hill
64868	64868~EPA	ap1-agonist_via	Inactive	cca	cnst
64868	64868~EPA	are-bla_ch1	Repressor	cca	hill.inv
64868	64868~EPA	are-bla_ch2	Activator	cca	gnls
64868	64868~EPA	are-bla_ratio	Activator	cca	gnls
64868	64868~EPA	are-bla_via	Inactive	cca	cnst
64868	64868~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
64868	64868~FDA	ap1-agonist_ch2	Activator	cca	hill
64868	64868~FDA	ap1-agonist_ratio	Activator	cca	hill
64868	64868~FDA	ap1-agonist_via	Inactive	cca	cnst
64868	64868~FDA	are-bla_ch1	Inactive	cca	cnst
64868	64868~FDA	are-bla_ch2	Activator	cca	hill
64868	64868~FDA	are-bla_ratio	Activator	cca	hill
64868	64868~FDA	are-bla_via	Inactive	cca	cnst
64868	64868~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
64868	64868~NTP	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
64868	64868~NTP	ap1-agonist_ratio	Activator	cca	hill
64868	64868~NTP	ap1-agonist_via	Inactive	cca	cnst
64868	64868~NTP	are-bla_ch1	Repressor	cca	hill.inv
64868	64868~NTP	are-bla_ch2	Activator	cca	hill
64868	64868~NTP	are-bla_ratio	Activator	cca	hill
64868	64868~NTP	are-bla_via	Inactive	cca	cnst
64872771	64872771~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
64872771	64872771~FDA	ap1-agonist_ch2	Activator	cca	gnls
64872771	64872771~FDA	ap1-agonist_ratio	Activator	cca	hill
64872771	64872771~FDA	ap1-agonist_via	Repressor	cca	hill.inv
64872771	64872771~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
64872771	64872771~FDA	esre-bla_ch2	Inactive	rfp	hill.inv
64872771	64872771~FDA	esre-bla_ratio	Activator	rfp	hill
64872771	64872771~FDA	esre-bla_via	Inactive	rfp	cnst
64872771	64872771~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
64872771	64872771~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
64872771	64872771~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
64872771	64872771~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
64872771	64872771~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
64872771	64872771~FDA	hse-bla_ch2	Activator	EOC	gnls
64872771	64872771~FDA	hse-bla_ratio	Activator	EOC	hill
64872771	64872771~FDA	hse-bla_via	Inactive	EOC	cnst
64872771	64872771~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
64872771	64872771~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
64872771	64872771~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
64872771	64872771~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
6515384	6515384~EPA	are-bla_ch1	Inactive	cca	cnst
6515384	6515384~EPA	are-bla_ch2	Activator	cca	hill
6515384	6515384~EPA	are-bla_ratio	Activator	cca	hill
6515384	6515384~EPA	are-bla_via	Inactive	cca	cnst
65277421	65277421~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
65277421	65277421~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
65277421	65277421~EPA	ap1-agonist_ratio	Activator	rfp	gnls
65277421	65277421~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
65277421	65277421~EPA	are-bla_ch1	Repressor	cca	hill.inv
65277421	65277421~EPA	are-bla_ch2	Activator	cca	gnls
65277421	65277421~EPA	are-bla_ratio	Activator	cca	gnls
65277421	65277421~EPA	are-bla_via	Repressor	cca	hill.inv
65277421	65277421~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
65277421	65277421~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
65277421	65277421~EPA	esre-bla_ratio	Activator	rfp	hill
65277421	65277421~EPA	esre-bla_via	Repressor	rfp	hill.inv
65277421	65277421~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
65277421	65277421~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
65277421	65277421~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
65277421	65277421~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
65277421	65277421~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
65277421	65277421~EPA	hse-bla_ch2	Activator	EOC	gnls
65277421	65277421~EPA	hse-bla_ratio	Activator	EOC	hill
65277421	65277421~EPA	hse-bla_via	Repressor	EOC	hill.inv
65277421	65277421~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
65277421	65277421~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
65277421	65277421~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
65277421	65277421~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
65277421	65277421~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
65277421	65277421~EPA	p53-bla_ch2	Inactive	rfp	cnst
65277421	65277421~EPA	p53-bla_ratio	Activator	rfp	hill
65277421	65277421~EPA	p53-bla_via	Repressor	rfp	hill.inv
6533002	6533002~EPA	ap1-agonist_ch1	Inactive	cca	cnst
6533002	6533002~EPA	ap1-agonist_ch2	Activator	cca	hill
6533002	6533002~EPA	ap1-agonist_ratio	Activator	cca	hill
6533002	6533002~EPA	ap1-agonist_via	Inactive	cca	cnst
6533002	6533002~EPA	are-bla_ch1	Inactive	EUC	cnst
6533002	6533002~EPA	are-bla_ch2	Activator	EUC	hill
6533002	6533002~EPA	are-bla_ratio	Activator	EUC	hill
6533002	6533002~EPA	are-bla_via	Inactive	EUC	cnst
65350596	65350596~NTP	are-bla_ch1	Repressor	cca	gnls.inv
65350596	65350596~NTP	are-bla_ch2	Activator	cca	hill
65350596	65350596~NTP	are-bla_ratio	Activator	cca	hill
65350596	65350596~NTP	are-bla_via	Inactive	cca	cnst
654057973	654057973~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
654057973	654057973~NTP	ap1-agonist_ch2	Activator	cca	gnls
654057973	654057973~NTP	ap1-agonist_ratio	Activator	cca	gnls
654057973	654057973~NTP	ap1-agonist_via	Repressor	cca	hill.inv
654057973	654057973~NTP	are-bla_ch1	Repressor	rfp	hill.inv
654057973	654057973~NTP	are-bla_ch2	Inactive	rfp	hill.inv
654057973	654057973~NTP	are-bla_ratio	Activator	rfp	gnls
654057973	654057973~NTP	are-bla_via	Repressor	rfp	hill.inv
654057973	654057973~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
654057973	654057973~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
654057973	654057973~NTP	esre-bla_ratio	Activator	rfp	hill
654057973	654057973~NTP	esre-bla_via	Repressor	rfp	hill.inv
654057973	654057973~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
654057973	654057973~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
654057973	654057973~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
654057973	654057973~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
654057973	654057973~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
654057973	654057973~NTP	hse-bla_ch2	Inactive	rfp	cnst
654057973	654057973~NTP	hse-bla_ratio	Activator	rfp	hill
654057973	654057973~NTP	hse-bla_via	Repressor	rfp	hill.inv
654057973	654057973~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
654057973	654057973~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
654057973	654057973~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
654057973	654057973~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
654057973	654057973~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
654057973	654057973~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
654057973	654057973~NTP	p53-bla_ratio	Activator	rfp	hill
654057973	654057973~NTP	p53-bla_via	Repressor	rfp	hill.inv
65473145	65473145~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
65473145	65473145~FDA	ap1-agonist_ch2	Activator	EOC	hill
65473145	65473145~FDA	ap1-agonist_ratio	Activator	EOC	hill
65473145	65473145~FDA	ap1-agonist_via	Inactive	EOC	cnst
65513726	65513726~FDA	are-bla_ch1	Repressor	cca	hill.inv
65513726	65513726~FDA	are-bla_ch2	Activator	cca	hill
65513726	65513726~FDA	are-bla_ratio	Activator	cca	hill
65513726	65513726~FDA	are-bla_via	Inactive	cca	cnst
65558692	65558692~EPA	are-bla_ch1	Repressor	cca	hill.inv
65558692	65558692~EPA	are-bla_ch2	Activator	cca	gnls
65558692	65558692~EPA	are-bla_ratio	Activator	cca	gnls
65558692	65558692~EPA	are-bla_via	Repressor	cca	hill.inv
65558692	65558692~EPA	esre-bla_ch1	Inactive	cca	cnst
65558692	65558692~EPA	esre-bla_ch2	Activator	cca	hill
65558692	65558692~EPA	esre-bla_ratio	Activator	cca	hill
65558692	65558692~EPA	esre-bla_via	Repressor	cca	hill.inv
65558692	65558692~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
65558692	65558692~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
65558692	65558692~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
65558692	65558692~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
65558692	65558692~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
65558692	65558692~EPA	hse-bla_ch2	Activator	EOC	hill
65558692	65558692~EPA	hse-bla_ratio	Activator	EOC	hill
65558692	65558692~EPA	hse-bla_via	Repressor	EOC	hill.inv
65558692	65558692~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
65558692	65558692~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
65558692	65558692~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
65558692	65558692~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
65558692	65558692~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
65558692	65558692~EPA	p53-bla_ch2	Activator	EOC	gnls
65558692	65558692~EPA	p53-bla_ratio	Activator	EOC	gnls
65558692	65558692~EPA	p53-bla_via	Repressor	EOC	hill.inv
65558692	65558692~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
65558692	65558692~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
65558692	65558692~FDA	ap1-agonist_ratio	Activator	rfp	hill
65558692	65558692~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
65558692	65558692~FDA	are-bla_ch1	Repressor	cca	hill.inv
65558692	65558692~FDA	are-bla_ch2	Activator	cca	gnls
65558692	65558692~FDA	are-bla_ratio	Activator	cca	gnls
65558692	65558692~FDA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
65558692	65558692~FDA	esre-bla_ch1	Repressor	cca	hill.inv
65558692	65558692~FDA	esre-bla_ch2	Activator	cca	hill
65558692	65558692~FDA	esre-bla_ratio	Activator	cca	hill
65558692	65558692~FDA	esre-bla_via	Repressor	cca	hill.inv
65558692	65558692~FDA	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
65558692	65558692~FDA	hre-bla-agonist_ch2	Activator	EOC	hill
65558692	65558692~FDA	hre-bla-agonist_ratio	Activator	EOC	hill
65558692	65558692~FDA	hre-bla-agonist_via	Repressor	EOC	hill.inv
65558692	65558692~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
65558692	65558692~FDA	hse-bla_ch2	Activator	EOC	hill
65558692	65558692~FDA	hse-bla_ratio	Activator	EOC	hill
65558692	65558692~FDA	hse-bla_via	Repressor	EOC	hill.inv
65558692	65558692~FDA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
65558692	65558692~FDA	nfkb-bla-agonist_ch2	Activator	cca	gnls
65558692	65558692~FDA	nfkb-bla-agonist_ratio	Activator	cca	hill
65558692	65558692~FDA	nfkb-bla-agonist_via	Repressor	cca	hill.inv
65558692	65558692~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
65558692	65558692~FDA	p53-bla_ch2	Activator	EOC	gnls
65558692	65558692~FDA	p53-bla_ratio	Activator	EOC	hill
65558692	65558692~FDA	p53-bla_via	Repressor	EOC	hill.inv
65558692	65558692~NTP	are-bla_ch1	Repressor	cca	hill.inv
65558692	65558692~NTP	are-bla_ch2	Activator	cca	gnls
65558692	65558692~NTP	are-bla_ratio	Activator	cca	gnls
65558692	65558692~NTP	are-bla_via	Repressor	cca	hill.inv
65558692	65558692~NTP	esre-bla_ch1	Repressor	cca	hill.inv
65558692	65558692~NTP	esre-bla_ch2	Activator	cca	hill
65558692	65558692~NTP	esre-bla_ratio	Activator	cca	hill
65558692	65558692~NTP	esre-bla_via	Repressor	cca	hill.inv
65558692	65558692~NTP	hre-bla-agonist_ch1	Repressor	EOC	hill.inv
65558692	65558692~NTP	hre-bla-agonist_ch2	Activator	EOC	hill
65558692	65558692~NTP	hre-bla-agonist_ratio	Activator	EOC	hill
65558692	65558692~NTP	hre-bla-agonist_via	Repressor	EOC	hill.inv
65558692	65558692~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
65558692	65558692~NTP	hse-bla_ch2	Activator	EOC	hill
65558692	65558692~NTP	hse-bla_ratio	Activator	EOC	hill
65558692	65558692~NTP	hse-bla_via	Repressor	EOC	hill.inv
65558692	65558692~NTP	nfkb-bla-agonist_ch1	Repressor	PUC	hill.inv
65558692	65558692~NTP	nfkb-bla-agonist_ch2	Activator	PUC	gnls
65558692	65558692~NTP	nfkb-bla-agonist_ratio	Activator	PUC	hill
65558692	65558692~NTP	nfkb-bla-agonist_via	Repressor	PUC	hill.inv
65558692	65558692~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
65558692	65558692~NTP	p53-bla_ch2	Activator	EOC	gnls
65558692	65558692~NTP	p53-bla_ratio	Activator	EOC	gnls
65558692	65558692~NTP	p53-bla_via	Repressor	EOC	hill.inv
65576456	65576456~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
65576456	65576456~FDA	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
65576456	65576456~FDA	ap1-agonist_ratio	Activator	cca	hill
65576456	65576456~FDA	ap1-agonist_via	Inactive	cca	cnst
65589700	65589700~FDA	are-bla_ch1	Activator	EUC	hill
65589700	65589700~FDA	are-bla_ch2	Activator	EUC	gnls
65589700	65589700~FDA	are-bla_ratio	Activator	EUC	gnls
65589700	65589700~FDA	are-bla_via	Inactive	EUC	cnst
65589700	65589700~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
65589700	65589700~FDA	p53-bla_ch2	Activator	EUC	hill
65589700	65589700~FDA	p53-bla_ratio	Activator	EUC	hill
65589700	65589700~FDA	p53-bla_via	Inactive	EUC	cnst
6559917	6559917~FDA	p53-bla_ch1	Inactive	EOC/POC	cnst
6559917	6559917~FDA	p53-bla_ch2	Activator	EOC/POC	hill
6559917	6559917~FDA	p53-bla_ratio	Activator	EOC/POC	gnls
6559917	6559917~FDA	p53-bla_via	Inactive	EOC/POC	cnst
65646686	65646686~FDA	are-bla_ch1	Repressor	rfp	hill.inv
65646686	65646686~FDA	are-bla_ch2	Inactive	rfp	hill.inv
65646686	65646686~FDA	are-bla_ratio	Activator	rfp	gnls
65646686	65646686~FDA	are-bla_via	Repressor	rfp	hill.inv
65646686	65646686~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
65646686	65646686~FDA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
65646686	65646686~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
65646686	65646686~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
65646686	65646686~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
65646686	65646686~FDA	hse-bla_ch2	Inactive	rfp	cnst
65646686	65646686~FDA	hse-bla_ratio	Activator	rfp	hill
65646686	65646686~FDA	hse-bla_via	Repressor	rfp	hill.inv
65646686	65646686~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
65646686	65646686~FDA	p53-bla_ch2	Inactive	rfp	cnst
65646686	65646686~FDA	p53-bla_ratio	Activator	rfp	hill
65646686	65646686~FDA	p53-bla_via	Inactive	rfp	cnst
65646686	65646686~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
65646686	65646686~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
65646686	65646686~NTP	ap1-agonist_ratio	Activator	rfp	hill
65646686	65646686~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
65646686	65646686~NTP	are-bla_ch1	Repressor	rfp	hill.inv
65646686	65646686~NTP	are-bla_ch2	Inactive	rfp	hill.inv
65646686	65646686~NTP	are-bla_ratio	Activator	rfp	gnls
65646686	65646686~NTP	are-bla_via	Repressor	rfp	hill.inv
65646686	65646686~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
65646686	65646686~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
65646686	65646686~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
65646686	65646686~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
65646686	65646686~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
65646686	65646686~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
65646686	65646686~NTP	hse-bla_ratio	Activator	rfp	hill
65646686	65646686~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
65646686	65646686~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
65646686	65646686~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
65646686	65646686~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
65646686	65646686~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
65733166	65733166~EPA	are-bla_ch1	Repressor	rfp	hill.inv
65733166	65733166~EPA	are-bla_ch2	Inactive	rfp	cnst
65733166	65733166~EPA	are-bla_ratio	Activator	rfp	hill
65733166	65733166~EPA	are-bla_via	Inactive	rfp	cnst
65733188	65733188~EPA	are-bla_ch1	Repressor	rfp	hill.inv
65733188	65733188~EPA	are-bla_ch2	Inactive	rfp	cnst
65733188	65733188~EPA	are-bla_ratio	Activator	rfp	hill
65733188	65733188~EPA	are-bla_via	Inactive	rfp	cnst
65733188	65733188~EPA	hse-bla_ch1	Repressor	cca	hill.inv
65733188	65733188~EPA	hse-bla_ch2	Activator	cca	hill
65733188	65733188~EPA	hse-bla_ratio	Activator	cca	hill
65733188	65733188~EPA	hse-bla_via	Repressor	cca	hill.inv
65733188	65733188~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
65733188	65733188~EPA	p53-bla_ch2	Inactive	rfp	cnst
65733188	65733188~EPA	p53-bla_ratio	Activator	rfp	hill
65733188	65733188~EPA	p53-bla_via	Repressor	rfp	hill.inv
65847850	65847850~FDA	are-bla_ch1	Inactive	cca	cnst
65847850	65847850~FDA	are-bla_ch2	Activator	cca	hill
65847850	65847850~FDA	are-bla_ratio	Activator	cca	hill
65847850	65847850~FDA	are-bla_via	Inactive	cca	cnst
65861	65861~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
65861	65861~FDA	ap1-agonist_ch2	Activator	cca	hill
65861	65861~FDA	ap1-agonist_ratio	Activator	cca	hill
65861	65861~FDA	ap1-agonist_via	Inactive	cca	cnst
65899732	65899732~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
65899732	65899732~FDA	ap1-agonist_ch2	Activator	EOC	gnls
65899732	65899732~FDA	ap1-agonist_ratio	Activator	EOC	gnls
65899732	65899732~FDA	ap1-agonist_via	Inactive	EOC	cnst
65899732	65899732~FDA	are-bla_ch1	Repressor	cca	hill.inv
65899732	65899732~FDA	are-bla_ch2	Activator	cca	gnls
65899732	65899732~FDA	are-bla_ratio	Activator	cca	gnls
65899732	65899732~FDA	are-bla_via	Inactive	cca	cnst
65899732	65899732~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
65899732	65899732~FDA	esre-bla_ch2	Inactive	rfp	cnst
65899732	65899732~FDA	esre-bla_ratio	Activator	rfp	hill
65899732	65899732~FDA	esre-bla_via	Inactive	rfp	cnst
65899732	65899732~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
65899732	65899732~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
65899732	65899732~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
65899732	65899732~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
65899732	65899732~FDA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
65899732	65899732~FDA	hse-bla_ch2	Activator	EOC/PUC	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
65899732	65899732~FDA	hse-bla_ratio	Activator	EOC/PUC	hill
65899732	65899732~FDA	hse-bla_via	Inactive	EOC/PUC	cnst
65899732	65899732~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
65899732	65899732~FDA	p53-bla_ch2	Inactive	rfp	cnst
65899732	65899732~FDA	p53-bla_ratio	Activator	rfp	hill
65899732	65899732~FDA	p53-bla_via	Inactive	rfp	cnst
66063056	66063056~EPA	are-bla_ch1	Inactive	rfn	cnst
66063056	66063056~EPA	are-bla_ch2	Activator	rfn	gnls
66063056	66063056~EPA	are-bla_ratio	Inactive	rfn	hill.inv
66063056	66063056~EPA	are-bla_via	Inactive	rfn	cnst
66072386	66072386~EPA	are-bla_ch1	Inactive	cca	cnst
66072386	66072386~EPA	are-bla_ch2	Activator	cca	hill
66072386	66072386~EPA	are-bla_ratio	Activator	cca	gnls
66072386	66072386~EPA	are-bla_via	Inactive	cca	cnst
66072386	66072386~EPA	hse-bla_ch1	Inactive	cca	cnst
66072386	66072386~EPA	hse-bla_ch2	Activator	cca	gnls
66072386	66072386~EPA	hse-bla_ratio	Activator	cca	hill
66072386	66072386~EPA	hse-bla_via	Inactive	cca	cnst
66085594	66085594~FDA	are-bla_ch1	Inactive	cca	cnst
66085594	66085594~FDA	are-bla_ch2	Activator	cca	hill
66085594	66085594~FDA	are-bla_ratio	Activator	cca	hill
66085594	66085594~FDA	are-bla_via	Inactive	cca	cnst
6610293	6610293~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6610293	6610293~EPA	ap1-agonist_ch2	Activator	cca	gnls
6610293	6610293~EPA	ap1-agonist_ratio	Activator	cca	gnls
6610293	6610293~EPA	ap1-agonist_via	Inactive	cca	cnst
6610293	6610293~EPA	hse-bla_ch1	Repressor	cca	hill.inv
6610293	6610293~EPA	hse-bla_ch2	Activator	cca	gnls
6610293	6610293~EPA	hse-bla_ratio	Activator	cca	gnls
6610293	6610293~EPA	hse-bla_via	Repressor	cca	hill.inv
66230044	66230044~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
66230044	66230044~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
66230044	66230044~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
66230044	66230044~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
66246886	66246886~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
66246886	66246886~EPA	ap1-agonist_ch2	Activator	cca	gnls
66246886	66246886~EPA	ap1-agonist_ratio	Activator	cca	hill
66246886	66246886~EPA	ap1-agonist_via	Inactive	cca	cnst
66246886	66246886~EPA	are-bla_ch1	Inactive	cca	cnst
66246886	66246886~EPA	are-bla_ch2	Activator	cca	gnls
66246886	66246886~EPA	are-bla_ratio	Activator	cca	hill
66246886	66246886~EPA	are-bla_via	Inactive	cca	cnst
66332965	66332965~NTP	are-bla_ch1	Inactive	rfn	cnst
66332965	66332965~NTP	are-bla_ch2	Activator	rfn	hill
66332965	66332965~NTP	are-bla_ratio	Inactive	rfn	cnst
66332965	66332965~NTP	are-bla_via	Inactive	rfn	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
66441234	66441234~EPA	are-bla_ch1	Inactive	cca	cnst
66441234	66441234~EPA	are-bla_ch2	Activator	cca	hill
66441234	66441234~EPA	are-bla_ratio	Activator	cca	hill
66441234	66441234~EPA	are-bla_via	Inactive	cca	cnst
66456539	66456539~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
66456539	66456539~EPA	esre-bla_ch2	Inactive	rfp	cnst
66456539	66456539~EPA	esre-bla_ratio	Activator	rfp	hill
66456539	66456539~EPA	esre-bla_via	Inactive	rfp	cnst
66456539	66456539~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
66456539	66456539~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
66456539	66456539~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
66456539	66456539~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
66456539	66456539~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
66456539	66456539~EPA	hse-bla_ch2	Inactive	rfp	cnst
66456539	66456539~EPA	hse-bla_ratio	Activator	rfp	hill
66456539	66456539~EPA	hse-bla_via	Inactive	rfp	cnst
66456539	66456539~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
66456539	66456539~EPA	p53-bla_ch2	Inactive	rfp	cnst
66456539	66456539~EPA	p53-bla_ratio	Activator	rfp	hill
66456539	66456539~EPA	p53-bla_via	Inactive	rfp	cnst
666999	666999~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
666999	666999~FDA	ap1-agonist_ch2	Inactive	rfp	hill.inv
666999	666999~FDA	ap1-agonist_ratio	Activator	rfp	gnls
666999	666999~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
666999	666999~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
666999	666999~FDA	esre-bla_ch2	Inactive	rfp	cnst
666999	666999~FDA	esre-bla_ratio	Activator	rfp	hill
666999	666999~FDA	esre-bla_via	Repressor	rfp	hill.inv
666999	666999~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
666999	666999~FDA	hse-bla_ch2	Inactive	rfp	cnst
666999	666999~FDA	hse-bla_ratio	Activator	rfp	hill
666999	666999~FDA	hse-bla_via	Repressor	rfp	hill.inv
666999	666999~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
666999	666999~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
666999	666999~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
666999	666999~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
666999	666999~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
666999	666999~FDA	p53-bla_ch2	Inactive	rfp	cnst
666999	666999~FDA	p53-bla_ratio	Activator	rfp	hill
666999	666999~FDA	p53-bla_via	Repressor	rfp	hill.inv
66717	66717~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
66717	66717~EPA	ap1-agonist_ch2	Activator	cca	gnls
66717	66717~EPA	ap1-agonist_ratio	Activator	cca	gnls
66717	66717~EPA	ap1-agonist_via	Inactive	cca	cnst
66717	66717~EPA	hre-bla-agonist_ch1	Inactive	cca	cnst
66717	66717~EPA	hre-bla-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
66717	66717~EPA	hre-bla-agonist_ratio	Activator	cca	gnls
66717	66717~EPA	hre-bla-agonist_via	Inactive	cca	cnst
66717	66717~EPA	hse-bla_ch1	Inactive	PUC	cnst
66717	66717~EPA	hse-bla_ch2	Activator	PUC	gnls
66717	66717~EPA	hse-bla_ratio	Activator	PUC	gnls
66717	66717~EPA	hse-bla_via	Inactive	PUC	cnst
66717	66717~EPA	p53-bla_ch1	Repressor	cca	hill.inv
66717	66717~EPA	p53-bla_ch2	Activator	cca	hill
66717	66717~EPA	p53-bla_ratio	Activator	cca	hill
66717	66717~EPA	p53-bla_via	Inactive	cca	cnst
66717	66717~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
66717	66717~NTP	ap1-agonist_ch2	Activator	cca	gnls
66717	66717~NTP	ap1-agonist_ratio	Activator	cca	gnls
66717	66717~NTP	ap1-agonist_via	Inactive	cca	cnst
66717	66717~NTP	hre-bla-agonist_ch1	Repressor	cca	gnls.inv
66717	66717~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
66717	66717~NTP	hre-bla-agonist_ratio	Activator	cca	gnls
66717	66717~NTP	hre-bla-agonist_via	Inactive	cca	cnst
66717	66717~NTP	hse-bla_ch1	Repressor	cca	hill.inv
66717	66717~NTP	hse-bla_ch2	Activator	cca	gnls
66717	66717~NTP	hse-bla_ratio	Activator	cca	gnls
66717	66717~NTP	hse-bla_via	Inactive	cca	cnst
66751	66751~FDA	p53-bla_ch1	Inactive	cca	cnst
66751	66751~FDA	p53-bla_ch2	Activator	cca	hill
66751	66751~FDA	p53-bla_ratio	Activator	cca	hill
66751	66751~FDA	p53-bla_via	Inactive	cca	cnst
66762	66762~FDA	are-bla_ch1	Repressor	cca	gnls.inv
66762	66762~FDA	are-bla_ch2	Activator	cca	hill
66762	66762~FDA	are-bla_ratio	Activator	cca	gnls
66762	66762~FDA	are-bla_via	Inactive	cca	cnst
66762	66762~FDA	p53-bla_ch1	Repressor	cca	hill.inv
66762	66762~FDA	p53-bla_ch2	Activator	cca	gnls
66762	66762~FDA	p53-bla_ratio	Activator	cca	gnls
66762	66762~FDA	p53-bla_via	Repressor	cca	hill.inv
66819	66819~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
66819	66819~EPA	p53-bla_ch2	Inactive	rfp	cnst
66819	66819~EPA	p53-bla_ratio	Activator	rfp	gnls
66819	66819~EPA	p53-bla_via	Inactive	rfp	cnst
66819	66819~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
66819	66819~FDA	p53-bla_ch2	Inactive	rfp	cnst
66819	66819~FDA	p53-bla_ratio	Activator	rfp	gnls
66819	66819~FDA	p53-bla_via	Repressor	rfp	hill.inv
668940	668940~FDA	p53-bla_ch1	Inactive	EUC	cnst
668940	668940~FDA	p53-bla_ch2	Activator	EUC	hill
668940	668940~FDA	p53-bla_ratio	Activator	EUC	hill
668940	668940~FDA	p53-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
670542	670542~NTP	are-bla_ch1	Repressor	cca	hill.inv
670542	670542~NTP	are-bla_ch2	Activator	cca	hill
670542	670542~NTP	are-bla_ratio	Activator	cca	hill
670542	670542~NTP	are-bla_via	Inactive	cca	cnst
6707604	6707604~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6707604	6707604~EPA	ap1-agonist_ch2	Activator	cca	hill
6707604	6707604~EPA	ap1-agonist_ratio	Activator	cca	hill
6707604	6707604~EPA	ap1-agonist_via	Inactive	cca	cnst
67121760	67121760~FDA	ap1-agonist_ch1	Inactive	cca	cnst
67121760	67121760~FDA	ap1-agonist_ch2	Activator	cca	hill
67121760	67121760~FDA	ap1-agonist_ratio	Activator	cca	hill
67121760	67121760~FDA	ap1-agonist_via	Inactive	cca	cnst
67199660	67199660~FDA	are-bla_ch1	Activator	rfn	hill
67199660	67199660~FDA	are-bla_ch2	Activator	rfn	hill
67199660	67199660~FDA	are-bla_ratio	Inactive	rfn	cnst
67199660	67199660~FDA	are-bla_via	Inactive	rfn	cnst
67209	67209~EPA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
67209	67209~EPA	are-bla_ch2	Activator	EOC/PUC	hill
67209	67209~EPA	are-bla_ratio	Activator	EOC/PUC	hill
67209	67209~EPA	are-bla_via	Repressor	EOC/PUC	hill.inv
67209	67209~FDA	are-bla_ch1	Repressor	cca	hill.inv
67209	67209~FDA	are-bla_ch2	Activator	cca	hill
67209	67209~FDA	are-bla_ratio	Activator	cca	hill
67209	67209~FDA	are-bla_via	Inactive	cca	cnst
67209	67209~NTP	are-bla_ch1	Repressor	cca	hill.inv
67209	67209~NTP	are-bla_ch2	Activator	cca	gnls
67209	67209~NTP	are-bla_ratio	Activator	cca	hill
67209	67209~NTP	are-bla_via	Inactive	cca	cnst
6724534	6724534~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
6724534	6724534~FDA	ap1-agonist_ch2	Activator	cca	gnls
6724534	6724534~FDA	ap1-agonist_ratio	Activator	cca	hill
6724534	6724534~FDA	ap1-agonist_via	Repressor	cca	hill.inv
6724534	6724534~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
6724534	6724534~FDA	esre-bla_ch2	Inactive	rfp	cnst
6724534	6724534~FDA	esre-bla_ratio	Activator	rfp	hill
6724534	6724534~FDA	esre-bla_via	Repressor	rfp	hill.inv
6724534	6724534~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
6724534	6724534~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
6724534	6724534~FDA	p53-bla_ratio	Activator	rfp	hill
6724534	6724534~FDA	p53-bla_via	Repressor	rfp	hill.inv
67287	67287~FDA	are-bla_ch1	Repressor	EOC	hill.inv
67287	67287~FDA	are-bla_ch2	Activator	EOC	hill
67287	67287~FDA	are-bla_ratio	Activator	EOC	hill
67287	67287~FDA	are-bla_via	Inactive	EOC	cnst
67301	67301~EPA	are-bla_ch1	Complex	EUC	gnls.inv
67301	67301~EPA	are-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
67301	67301~EPA	are-bla_ratio	Activator	EUC	gnls
67301	67301~EPA	are-bla_via	Inactive	EUC	cnst
67301	67301~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
67301	67301~EPA	hse-bla_ch2	Inactive	rfp	cnst
67301	67301~EPA	hse-bla_ratio	Activator	rfp	hill
67301	67301~EPA	hse-bla_via	Inactive	rfp	cnst
67301	67301~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
67301	67301~EPA	p53-bla_ch2	Inactive	rfp	cnst
67301	67301~EPA	p53-bla_ratio	Activator	rfp	hill
67301	67301~EPA	p53-bla_via	Repressor	rfp	hill.inv
673847	673847~EPA	are-bla_ch1	Inactive	cca	cnst
673847	673847~EPA	are-bla_ch2	Activator	cca	hill
673847	673847~EPA	are-bla_ratio	Activator	cca	hill
673847	673847~EPA	are-bla_via	Inactive	cca	cnst
67458	67458~FDA	are-bla_ch1	Repressor	cca	hill.inv
67458	67458~FDA	are-bla_ch2	Activator	cca	hill
67458	67458~FDA	are-bla_ratio	Activator	cca	hill
67458	67458~FDA	are-bla_via	Inactive	cca	cnst
67469787	67469787~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
67469787	67469787~FDA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
67469787	67469787~FDA	ap1-agonist_ratio	Activator	EOC/PUC	hill
67469787	67469787~FDA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
67469787	67469787~FDA	are-bla_ch1	Repressor	cca	hill.inv
67469787	67469787~FDA	are-bla_ch2	Activator	cca	gnls
67469787	67469787~FDA	are-bla_ratio	Activator	cca	gnls
67469787	67469787~FDA	are-bla_via	Repressor	cca	hill.inv
67469787	67469787~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
67469787	67469787~FDA	esre-bla_ch2	Inactive	rfp	cnst
67469787	67469787~FDA	esre-bla_ratio	Activator	rfp	hill
67469787	67469787~FDA	esre-bla_via	Repressor	rfp	hill.inv
67469787	67469787~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
67469787	67469787~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
67469787	67469787~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
67469787	67469787~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
67469787	67469787~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
67469787	67469787~FDA	hse-bla_ch2	Inactive	rfp	cnst
67469787	67469787~FDA	hse-bla_ratio	Activator	rfp	hill
67469787	67469787~FDA	hse-bla_via	Repressor	rfp	hill.inv
67469787	67469787~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
67469787	67469787~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
67469787	67469787~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
67469787	67469787~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
67469787	67469787~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
67469787	67469787~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
67469787	67469787~FDA	p53-bla_ratio	Activator	rfp	hill
67469787	67469787~FDA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
67485294	67485294~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
67485294	67485294~EPA	ap1-agonist_ch2	Activator	EOC	gnls
67485294	67485294~EPA	ap1-agonist_ratio	Activator	EOC	gnls
67485294	67485294~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
67485294	67485294~EPA	are-bla_ch1	Repressor	rfp	hill.inv
67485294	67485294~EPA	are-bla_ch2	Inactive	rfp	hill.inv
67485294	67485294~EPA	are-bla_ratio	Activator	rfp	gnls
67485294	67485294~EPA	are-bla_via	Repressor	rfp	hill.inv
67485294	67485294~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
67485294	67485294~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
67485294	67485294~EPA	esre-bla_ratio	Activator	rfp	hill
67485294	67485294~EPA	esre-bla_via	Repressor	rfp	hill.inv
67485294	67485294~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
67485294	67485294~EPA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
67485294	67485294~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
67485294	67485294~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
67485294	67485294~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
67485294	67485294~EPA	hse-bla_ch2	Inactive	rfp	hill.inv
67485294	67485294~EPA	hse-bla_ratio	Activator	rfp	hill
67485294	67485294~EPA	hse-bla_via	Repressor	rfp	hill.inv
67485294	67485294~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
67485294	67485294~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
67485294	67485294~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
67485294	67485294~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
67485294	67485294~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
67485294	67485294~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
67485294	67485294~EPA	p53-bla_ratio	Activator	rfp	hill
67485294	67485294~EPA	p53-bla_via	Repressor	rfp	hill.inv
676116044	676116044~EPA	are-bla_ch1	Repressor	EUC	hill.inv
676116044	676116044~EPA	are-bla_ch2	Activator	EUC	gnls
676116044	676116044~EPA	are-bla_ratio	Activator	EUC	gnls
676116044	676116044~EPA	are-bla_via	Repressor	EUC	hill.inv
676116044	676116044~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
676116044	676116044~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
676116044	676116044~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
676116044	676116044~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
676116044	676116044~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
676116044	676116044~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
676116044	676116044~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
676116044	676116044~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
67630	67630~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
67630	67630~NTP	hse-bla_ch2	Inactive	rfp	cnst
67630	67630~NTP	hse-bla_ratio	Activator	rfp	hill
67630	67630~NTP	hse-bla_via	Repressor	rfp	hill.inv
67674366	67674366~EPA	are-bla_ch1	Repressor	cca	hill.inv
67674366	67674366~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
67674366	67674366~EPA	are-bla_ratio	Activator	cca	hill
67674366	67674366~EPA	are-bla_via	Inactive	cca	cnst
67747095	67747095~EPA	are-bla_ch1	Repressor	cca	hill.inv
67747095	67747095~EPA	are-bla_ch2	Activator	cca	gnls
67747095	67747095~EPA	are-bla_ratio	Activator	cca	hill
67747095	67747095~EPA	are-bla_via	Inactive	cca	cnst
67747095	67747095~NTP	are-bla_ch1	Inactive	cca	cnst
67747095	67747095~NTP	are-bla_ch2	Activator	cca	gnls
67747095	67747095~NTP	are-bla_ratio	Activator	cca	gnls
67747095	67747095~NTP	are-bla_via	Repressor	cca	hill.inv
67970	67970~NTP	are-bla_ch1	Inactive	cca	cnst
67970	67970~NTP	are-bla_ch2	Activator	cca	hill
67970	67970~NTP	are-bla_ratio	Activator	cca	gnls
67970	67970~NTP	are-bla_via	Repressor	cca	hill.inv
67970	67970~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
67970	67970~NTP	hse-bla_ch2	Inactive	rfp	cnst
67970	67970~NTP	hse-bla_ratio	Activator	rfp	hill
67970	67970~NTP	hse-bla_via	Repressor	rfp	hill.inv
67970	67970~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
67970	67970~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
67970	67970~NTP	p53-bla_ratio	Activator	rfp	hill
67970	67970~NTP	p53-bla_via	Repressor	rfp	hill.inv
68047063	68047063~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
68047063	68047063~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
68047063	68047063~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
68047063	68047063~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
68047063	68047063~NTP	are-bla_ch1	Repressor	rfn	hill.inv
68047063	68047063~NTP	are-bla_ch2	Activator	rfn	gnls
68047063	68047063~NTP	are-bla_ratio	Inactive	rfn	cnst
68047063	68047063~NTP	are-bla_via	Repressor	rfn	hill.inv
68047063	68047063~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
68047063	68047063~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
68047063	68047063~NTP	esre-bla_ratio	Activator	rfp	hill
68047063	68047063~NTP	esre-bla_via	Repressor	rfp	hill.inv
68047063	68047063~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68047063	68047063~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
68047063	68047063~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
68047063	68047063~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
68047063	68047063~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
68047063	68047063~NTP	hse-bla_ch2	Inactive	rfp	cnst
68047063	68047063~NTP	hse-bla_ratio	Activator	rfp	hill
68047063	68047063~NTP	hse-bla_via	Repressor	rfp	hill.inv
68047063	68047063~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
68047063	68047063~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
68047063	68047063~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
68047063	68047063~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
68047063	68047063~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
68047063	68047063~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
68047063	68047063~NTP	p53-bla_ratio	Activator	rfp	hill
68047063	68047063~NTP	p53-bla_via	Repressor	rfp	hill.inv
6807176	6807176~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6807176	6807176~EPA	ap1-agonist_ch2	Activator	cca	gnls
6807176	6807176~EPA	ap1-agonist_ratio	Activator	cca	hill
6807176	6807176~EPA	ap1-agonist_via	Repressor	cca	hill.inv
6807176	6807176~EPA	are-bla_ch1	Repressor	cca	hill.inv
6807176	6807176~EPA	are-bla_ch2	Activator	cca	gnls
6807176	6807176~EPA	are-bla_ratio	Activator	cca	gnls
6807176	6807176~EPA	are-bla_via	Repressor	cca	hill.inv
6807176	6807176~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
6807176	6807176~EPA	hse-bla_ch2	Inactive	rfp	cnst
6807176	6807176~EPA	hse-bla_ratio	Activator	rfp	hill
6807176	6807176~EPA	hse-bla_via	Repressor	rfp	hill.inv
6807176	6807176~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
6807176	6807176~EPA	p53-bla_ch2	Inactive	rfp	cnst
6807176	6807176~EPA	p53-bla_ratio	Activator	rfp	hill
6807176	6807176~EPA	p53-bla_via	Repressor	rfp	hill.inv
6807176	6807176~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
6807176	6807176~NTP	ap1-agonist_ch2	Activator	cca	gnls
6807176	6807176~NTP	ap1-agonist_ratio	Activator	cca	hill
6807176	6807176~NTP	ap1-agonist_via	Repressor	cca	hill.inv
6807176	6807176~NTP	are-bla_ch1	Repressor	cca	hill.inv
6807176	6807176~NTP	are-bla_ch2	Activator	cca	gnls
6807176	6807176~NTP	are-bla_ratio	Activator	cca	gnls
6807176	6807176~NTP	are-bla_via	Repressor	cca	hill.inv
6807176	6807176~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
6807176	6807176~NTP	esre-bla_ch2	Inactive	rfp	cnst
6807176	6807176~NTP	esre-bla_ratio	Activator	rfp	hill
6807176	6807176~NTP	esre-bla_via	Repressor	rfp	hill.inv
6807176	6807176~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
6807176	6807176~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
6807176	6807176~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
6807176	6807176~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
6807176	6807176~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
6807176	6807176~NTP	hse-bla_ch2	Inactive	rfp	cnst
6807176	6807176~NTP	hse-bla_ratio	Activator	rfp	hill
6807176	6807176~NTP	hse-bla_via	Repressor	rfp	hill.inv
6807176	6807176~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
6807176	6807176~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
6807176	6807176~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
6807176	6807176~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
6807176	6807176~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
6807176	6807176~NTP	p53-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
6807176	6807176~NTP	p53-bla_ratio	Activator	rfp	hill
6807176	6807176~NTP	p53-bla_via	Repressor	rfp	hill.inv
68157608	68157608~EPA	are-bla_ch1	Inactive	EUC	cnst
68157608	68157608~EPA	are-bla_ch2	Activator	EUC	gnls
68157608	68157608~EPA	are-bla_ratio	Activator	EUC	gnls
68157608	68157608~EPA	are-bla_via	Inactive	EUC	cnst
68157608	68157608~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
68157608	68157608~EPA	p53-bla_ch2	Inactive	rfp	cnst
68157608	68157608~EPA	p53-bla_ratio	Activator	rfp	hill
68157608	68157608~EPA	p53-bla_via	Inactive	rfp	cnst
68224	68224~EPA	are-bla_ch1	Repressor	cca	hill.inv
68224	68224~EPA	are-bla_ch2	Activator	cca	hill
68224	68224~EPA	are-bla_ratio	Activator	cca	hill
68224	68224~EPA	are-bla_via	Inactive	cca	cnst
68268	68268~EPA	are-bla_ch1	Inactive	EUC	cnst
68268	68268~EPA	are-bla_ch2	Activator	EUC	hill
68268	68268~EPA	are-bla_ratio	Activator	EUC	hill
68268	68268~EPA	are-bla_via	Inactive	EUC	cnst
68268	68268~NTP	are-bla_ch1	Inactive	cca	cnst
68268	68268~NTP	are-bla_ch2	Activator	cca	hill
68268	68268~NTP	are-bla_ratio	Activator	cca	hill
68268	68268~NTP	are-bla_via	Inactive	cca	cnst
68268	68268~NTP	hse-bla_ch1	Inactive	cca	cnst
68268	68268~NTP	hse-bla_ch2	Activator	cca	hill
68268	68268~NTP	hse-bla_ratio	Activator	cca	hill
68268	68268~NTP	hse-bla_via	Inactive	cca	cnst
68268	68268~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
68268	68268~NTP	p53-bla_ch2	Inactive	rfp	cnst
68268	68268~NTP	p53-bla_ratio	Activator	rfp	hill
68268	68268~NTP	p53-bla_via	Repressor	rfp	hill.inv
68302578	68302578~FDA	are-bla_ch1	Repressor	cca	hill.inv
68302578	68302578~FDA	are-bla_ch2	Activator	cca	hill
68302578	68302578~FDA	are-bla_ratio	Activator	cca	hill
68302578	68302578~FDA	are-bla_via	Inactive	cca	cnst
683181	683181~EPA	ap1-agonist_ch1	Repressor	EOC	gnls.inv
683181	683181~EPA	ap1-agonist_ch2	Activator	EOC	gnls
683181	683181~EPA	ap1-agonist_ratio	Activator	EOC	gnls
683181	683181~EPA	ap1-agonist_via	Complex	EOC	gnls
683181	683181~EPA	are-bla_ch1	Repressor	cca	hill.inv
683181	683181~EPA	are-bla_ch2	Activator	cca	gnls
683181	683181~EPA	are-bla_ratio	Activator	cca	gnls
683181	683181~EPA	are-bla_via	Repressor	cca	hill.inv
683181	683181~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
683181	683181~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
683181	683181~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
683181	683181~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
683181	683181~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
683181	683181~EPA	hse-bla_ch2	Activator	PUC	gnls
683181	683181~EPA	hse-bla_ratio	Activator	PUC	hill
683181	683181~EPA	hse-bla_via	Repressor	PUC	hill.inv
683181	683181~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
683181	683181~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
683181	683181~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
683181	683181~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
683181	683181~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
683181	683181~NTP	ap1-agonist_ch2	Activator	EOC	gnls
683181	683181~NTP	ap1-agonist_ratio	Activator	EOC	gnls
683181	683181~NTP	ap1-agonist_via	Complex	EOC	gnls
683181	683181~NTP	are-bla_ch1	Repressor	cca	hill.inv
683181	683181~NTP	are-bla_ch2	Activator	cca	gnls
683181	683181~NTP	are-bla_ratio	Activator	cca	gnls
683181	683181~NTP	are-bla_via	Repressor	cca	hill.inv
683181	683181~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
683181	683181~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
683181	683181~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
683181	683181~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
683181	683181~NTP	hse-bla_ch1	Repressor	cca	gnls.inv
683181	683181~NTP	hse-bla_ch2	Activator	cca	gnls
683181	683181~NTP	hse-bla_ratio	Activator	cca	gnls
683181	683181~NTP	hse-bla_via	Repressor	cca	hill.inv
683181	683181~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
683181	683181~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
683181	683181~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
683181	683181~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
683181	683181~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
683181	683181~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
683181	683181~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
683181	683181~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
68359375	68359375~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68359375	68359375~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
68359375	68359375~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
68359375	68359375~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
68359375	68359375~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
68359375	68359375~EPA	hse-bla_ch2	Inactive	rfp	cnst
68359375	68359375~EPA	hse-bla_ratio	Activator	rfp	hill
68359375	68359375~EPA	hse-bla_via	Inactive	rfp	cnst
68391015	68391015~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
68391015	68391015~NTP	ap1-agonist_ch2	Activator	cca	gnls
68391015	68391015~NTP	ap1-agonist_ratio	Activator	cca	gnls
68391015	68391015~NTP	ap1-agonist_via	Repressor	cca	hill.inv
68391015	68391015~NTP	are-bla_ch1	Repressor	cca	hill.inv
68391015	68391015~NTP	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
68391015	68391015~NTP	are-bla_ratio	Activator	cca	gnls
68391015	68391015~NTP	are-bla_via	Repressor	cca	hill.inv
68391015	68391015~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
68391015	68391015~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
68391015	68391015~NTP	esre-bla_ratio	Activator	rfp	hill
68391015	68391015~NTP	esre-bla_via	Repressor	rfp	hill.inv
68391015	68391015~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68391015	68391015~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
68391015	68391015~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
68391015	68391015~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
68391015	68391015~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
68391015	68391015~NTP	hse-bla_ch2	Inactive	rfp	cnst
68391015	68391015~NTP	hse-bla_ratio	Activator	rfp	hill
68391015	68391015~NTP	hse-bla_via	Repressor	rfp	hill.inv
68391015	68391015~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
68391015	68391015~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
68391015	68391015~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
68391015	68391015~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
68391015	68391015~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
68391015	68391015~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
68391015	68391015~NTP	p53-bla_ratio	Activator	rfp	hill
68391015	68391015~NTP	p53-bla_via	Repressor	rfp	hill.inv
68392358	68392358~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
68392358	68392358~EPA	ap1-agonist_ch2	Activator	EOC	gnls
68392358	68392358~EPA	ap1-agonist_ratio	Activator	EOC	hill
68392358	68392358~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
68392358	68392358~EPA	are-bla_ch1	Repressor	EUC	hill.inv
68392358	68392358~EPA	are-bla_ch2	Activator	EUC	gnls
68392358	68392358~EPA	are-bla_ratio	Activator	EUC	gnls
68392358	68392358~EPA	are-bla_via	Repressor	EUC	hill.inv
68392358	68392358~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
68392358	68392358~EPA	esre-bla_ch2	Inactive	rfp	cnst
68392358	68392358~EPA	esre-bla_ratio	Activator	rfp	hill
68392358	68392358~EPA	esre-bla_via	Repressor	rfp	hill.inv
68392358	68392358~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68392358	68392358~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
68392358	68392358~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
68392358	68392358~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
68392358	68392358~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
68392358	68392358~EPA	hse-bla_ch2	Inactive	rfp	cnst
68392358	68392358~EPA	hse-bla_ratio	Activator	rfp	hill
68392358	68392358~EPA	hse-bla_via	Inactive	rfp	cnst
68392358	68392358~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
68392358	68392358~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
68392358	68392358~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
68392358	68392358~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
68392358	68392358~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
68392358	68392358~EPA	p53-bla_ch2	Inactive	rfp	cnst
68392358	68392358~EPA	p53-bla_ratio	Activator	rfp	hill
68392358	68392358~EPA	p53-bla_via	Repressor	rfp	hill.inv
68424851	68424851~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
68424851	68424851~NTP	ap1-agonist_ch2	Activator	cca	gnls
68424851	68424851~NTP	ap1-agonist_ratio	Activator	cca	gnls
68424851	68424851~NTP	ap1-agonist_via	Repressor	cca	hill.inv
6843669	6843669~NTP	ap1-agonist_ch1	Repressor	rfn	hill.inv
6843669	6843669~NTP	ap1-agonist_ch2	Activator	rfn	hill
6843669	6843669~NTP	ap1-agonist_ratio	Inactive	rfn	cnst
6843669	6843669~NTP	ap1-agonist_via	Repressor	rfn	hill.inv
68584225	68584225~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
68584225	68584225~NTP	ap1-agonist_ch2	Activator	EOC	gnls
68584225	68584225~NTP	ap1-agonist_ratio	Activator	EOC	gnls
68584225	68584225~NTP	ap1-agonist_via	Inactive	EOC	cnst
68584225	68584225~NTP	are-bla_ch1	Repressor	rfn	hill.inv
68584225	68584225~NTP	are-bla_ch2	Activator	rfn	gnls
68584225	68584225~NTP	are-bla_ratio	Inactive	rfn	cnst
68584225	68584225~NTP	are-bla_via	Repressor	rfn	hill.inv
68584225	68584225~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
68584225	68584225~NTP	esre-bla_ch2	Inactive	rfp	cnst
68584225	68584225~NTP	esre-bla_ratio	Activator	rfp	hill
68584225	68584225~NTP	esre-bla_via	Repressor	rfp	hill.inv
68584225	68584225~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
68584225	68584225~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
68584225	68584225~NTP	p53-bla_ratio	Activator	rfp	hill
68584225	68584225~NTP	p53-bla_via	Repressor	rfp	hill.inv
68606837	68606837~EPA	are-bla_ch1	Repressor	EOC	hill.inv
68606837	68606837~EPA	are-bla_ch2	Activator	EOC	hill
68606837	68606837~EPA	are-bla_ratio	Activator	EOC	hill
68606837	68606837~EPA	are-bla_via	Repressor	EOC	hill.inv
68606837	68606837~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
68606837	68606837~EPA	hse-bla_ch2	Inactive	rfp	cnst
68606837	68606837~EPA	hse-bla_ratio	Activator	rfp	hill
68606837	68606837~EPA	hse-bla_via	Repressor	rfp	hill.inv
68631492	68631492~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
68631492	68631492~NTP	ap1-agonist_ch2	Activator	cca	hill
68631492	68631492~NTP	ap1-agonist_ratio	Activator	cca	hill
68631492	68631492~NTP	ap1-agonist_via	Inactive	cca	cnst
686756876	686756876~EPA	are-bla_ch1	Activator	cca	hill
686756876	686756876~EPA	are-bla_ch2	Activator	cca	gnls
686756876	686756876~EPA	are-bla_ratio	Activator	cca	gnls
686756876	686756876~EPA	are-bla_via	Inactive	cca	cnst
686756876	686756876~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
686756876	686756876~EPA	p53-bla_ch2	Activator	EOC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
686756876	686756876~EPA	p53-bla_ratio	Activator	EOC	gnls
686756876	686756876~EPA	p53-bla_via	Inactive	EOC	cnst
68677269	68677269~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
68677269	68677269~FDA	ap1-agonist_ch2	Activator	EOC	hill
68677269	68677269~FDA	ap1-agonist_ratio	Activator	EOC	hill
68677269	68677269~FDA	ap1-agonist_via	Inactive	EOC	cnst
68694111	68694111~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
68694111	68694111~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
68694111	68694111~EPA	ap1-agonist_ratio	Activator	rfp	hill
68694111	68694111~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
68694111	68694111~EPA	are-bla_ch1	Repressor	cca	hill.inv
68694111	68694111~EPA	are-bla_ch2	Activator	cca	hill
68694111	68694111~EPA	are-bla_ratio	Activator	cca	hill
68694111	68694111~EPA	are-bla_via	Repressor	cca	hill.inv
68694111	68694111~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
68694111	68694111~EPA	esre-bla_ch2	Inactive	rfp	cnst
68694111	68694111~EPA	esre-bla_ratio	Activator	rfp	hill
68694111	68694111~EPA	esre-bla_via	Repressor	rfp	hill.inv
68694111	68694111~EPA	hse-bla_ch1	Repressor	cca	hill.inv
68694111	68694111~EPA	hse-bla_ch2	Activator	cca	hill
68694111	68694111~EPA	hse-bla_ratio	Activator	cca	hill
68694111	68694111~EPA	hse-bla_via	Repressor	cca	hill.inv
68694111	68694111~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
68694111	68694111~EPA	p53-bla_ch2	Inactive	rfp	cnst
68694111	68694111~EPA	p53-bla_ratio	Activator	rfp	hill
68694111	68694111~EPA	p53-bla_via	Repressor	rfp	hill.inv
68786663	68786663~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
68786663	68786663~FDA	p53-bla_ch2	Inactive	rfp	cnst
68786663	68786663~FDA	p53-bla_ratio	Activator	rfp	hill
68786663	68786663~FDA	p53-bla_via	Repressor	rfp	hill.inv
68844779	68844779~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
68844779	68844779~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
68844779	68844779~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
68844779	68844779~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
68844779	68844779~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
68844779	68844779~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
68844779	68844779~NTP	esre-bla_ratio	Activator	rfp	hill
68844779	68844779~NTP	esre-bla_via	Repressor	rfp	hill.inv
68844779	68844779~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68844779	68844779~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
68844779	68844779~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
68844779	68844779~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
68844779	68844779~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
68844779	68844779~NTP	hse-bla_ch2	Inactive	rfp	cnst
68844779	68844779~NTP	hse-bla_ratio	Activator	rfp	hill
68844779	68844779~NTP	hse-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
68844779	68844779~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
68844779	68844779~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
68844779	68844779~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
68844779	68844779~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
68844779	68844779~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
68844779	68844779~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
68844779	68844779~NTP	p53-bla_ratio	Activator	rfp	gnls
68844779	68844779~NTP	p53-bla_via	Repressor	rfp	hill.inv
68890664	68890664~FDA	p53-bla_ch1	Repressor	cca	hill.inv
68890664	68890664~FDA	p53-bla_ch2	Activator	cca	gnls
68890664	68890664~FDA	p53-bla_ratio	Activator	cca	hill
68890664	68890664~FDA	p53-bla_via	Repressor	cca	hill.inv
68906	68906~FDA	are-bla_ch1	Activator	rfn	hill
68906	68906~FDA	are-bla_ch2	Activator	rfn	gnls
68906	68906~FDA	are-bla_ratio	Inactive	rfn	hill.inv
68906	68906~FDA	are-bla_via	Repressor	rfn	hill.inv
68906	68906~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68906	68906~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
68906	68906~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
68906	68906~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
68906	68906~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
68906	68906~FDA	p53-bla_ch2	Activator	EOC/PUC	hill
68906	68906~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
68906	68906~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
68916767	68916767~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
68916767	68916767~EPA	ap1-agonist_ch2	Activator	EOC	hill
68916767	68916767~EPA	ap1-agonist_ratio	Activator	EOC	hill
68916767	68916767~EPA	ap1-agonist_via	Inactive	EOC	cnst
68928767	68928767~EPA	are-bla_ch1	Inactive	cca	cnst
68928767	68928767~EPA	are-bla_ch2	Activator	cca	hill
68928767	68928767~EPA	are-bla_ratio	Activator	cca	hill
68928767	68928767~EPA	are-bla_via	Inactive	cca	cnst
68928767	68928767~EPA	hse-bla_ch1	Repressor	cca	hill.inv
68928767	68928767~EPA	hse-bla_ch2	Activator	cca	hill
68928767	68928767~EPA	hse-bla_ratio	Activator	cca	hill
68928767	68928767~EPA	hse-bla_via	Inactive	cca	cnst
68937417	68937417~NTP	are-bla_ch1	Inactive	EUC	cnst
68937417	68937417~NTP	are-bla_ch2	Activator	EUC	hill
68937417	68937417~NTP	are-bla_ratio	Activator	EUC	hill
68937417	68937417~NTP	are-bla_via	Inactive	EUC	cnst
68959206	68959206~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
68959206	68959206~EPA	ap1-agonist_ch2	Activator	cca	gnls
68959206	68959206~EPA	ap1-agonist_ratio	Activator	cca	hill
68959206	68959206~EPA	ap1-agonist_via	Repressor	cca	hill.inv
68959206	68959206~EPA	are-bla_ch1	Repressor	rfp	hill.inv
68959206	68959206~EPA	are-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
68959206	68959206~EPA	are-bla_ratio	Activator	rfp	gnls
68959206	68959206~EPA	are-bla_via	Repressor	rfp	hill.inv
68959206	68959206~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
68959206	68959206~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
68959206	68959206~EPA	esre-bla_ratio	Activator	rfp	hill
68959206	68959206~EPA	esre-bla_via	Repressor	rfp	hill.inv
68959206	68959206~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
68959206	68959206~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
68959206	68959206~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
68959206	68959206~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
68959206	68959206~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
68959206	68959206~EPA	hse-bla_ch2	Inactive	rfp	cnst
68959206	68959206~EPA	hse-bla_ratio	Activator	rfp	hill
68959206	68959206~EPA	hse-bla_via	Repressor	rfp	hill.inv
68959206	68959206~EPA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
68959206	68959206~EPA	nfkb-bla-agonist_ch2	Activator	cca	gnls
68959206	68959206~EPA	nfkb-bla-agonist_ratio	Activator	cca	hill
68959206	68959206~EPA	nfkb-bla-agonist_via	Repressor	cca	hill.inv
68962	68962~EPA	are-bla_ch1	Inactive	POC	cnst
68962	68962~EPA	are-bla_ch2	Activator	POC	hill
68962	68962~EPA	are-bla_ratio	Activator	POC	hill
68962	68962~EPA	are-bla_via	Inactive	POC	cnst
68962	68962~FDA	are-bla_ch1	Inactive	EUC	cnst
68962	68962~FDA	are-bla_ch2	Activator	EUC	hill
68962	68962~FDA	are-bla_ratio	Activator	EUC	hill
68962	68962~FDA	are-bla_via	Inactive	EUC	cnst
689678	689678~EPA	are-bla_ch1	Inactive	cca	cnst
689678	689678~EPA	are-bla_ch2	Activator	cca	hill
689678	689678~EPA	are-bla_ratio	Activator	cca	hill
689678	689678~EPA	are-bla_via	Inactive	cca	cnst
6898971	6898971~FDA	are-bla_ch1	Activator	EUC	hill
6898971	6898971~FDA	are-bla_ch2	Activator	EUC	gnls
6898971	6898971~FDA	are-bla_ratio	Activator	EUC	gnls
6898971	6898971~FDA	are-bla_via	Inactive	EUC	cnst
6898971	6898971~FDA	p53-bla_ch1	Inactive	EUC	cnst
6898971	6898971~FDA	p53-bla_ch2	Activator	EUC	gnls
6898971	6898971~FDA	p53-bla_ratio	Activator	EUC	hill
6898971	6898971~FDA	p53-bla_via	Inactive	EUC	cnst
69045836	69045836~EPA	are-bla_ch1	Inactive	EUC	cnst
69045836	69045836~EPA	are-bla_ch2	Activator	EUC	gnls
69045836	69045836~EPA	are-bla_ratio	Activator	EUC	gnls
69045836	69045836~EPA	are-bla_via	Inactive	EUC	cnst
69045836	69045836~EPA	p53-bla_ch1	Activator	cca	hill
69045836	69045836~EPA	p53-bla_ch2	Activator	cca	hill
69045836	69045836~EPA	p53-bla_ratio	Activator	cca	hill
69045836	69045836~EPA	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
69090	69090~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
69090	69090~EPA	ap1-agonist_ch2	Activator	cca	gnls
69090	69090~EPA	ap1-agonist_ratio	Activator	cca	gnls
69090	69090~EPA	ap1-agonist_via	Inactive	cca	cnst
69090	69090~EPA	p53-bla_ch1	Repressor	cca	hill.inv
69090	69090~EPA	p53-bla_ch2	Activator	cca	gnls
69090	69090~EPA	p53-bla_ratio	Activator	cca	hill
69090	69090~EPA	p53-bla_via	Repressor	cca	hill.inv
6911519	6911519~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
6911519	6911519~EPA	ap1-agonist_ch2	Activator	cca	gnls
6911519	6911519~EPA	ap1-agonist_ratio	Activator	cca	gnls
6911519	6911519~EPA	ap1-agonist_via	Inactive	cca	cnst
6911519	6911519~EPA	hse-bla_ch1	Repressor	cca	hill.inv
6911519	6911519~EPA	hse-bla_ch2	Activator	cca	gnls
6911519	6911519~EPA	hse-bla_ratio	Activator	cca	gnls
6911519	6911519~EPA	hse-bla_via	Repressor	cca	hill.inv
692137	692137~FDA	are-bla_ch1	Inactive	cca	cnst
692137	692137~FDA	are-bla_ch2	Activator	cca	hill
692137	692137~FDA	are-bla_ratio	Activator	cca	hill
692137	692137~FDA	are-bla_via	Inactive	cca	cnst
69238	69238~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
69238	69238~FDA	ap1-agonist_ch2	Activator	cca	hill
69238	69238~FDA	ap1-agonist_ratio	Activator	cca	hill
69238	69238~FDA	ap1-agonist_via	Inactive	cca	cnst
69272	69272~FDA	are-bla_ch1	Inactive	cca	cnst
69272	69272~FDA	are-bla_ch2	Activator	cca	hill
69272	69272~FDA	are-bla_ratio	Activator	cca	hill
69272	69272~FDA	are-bla_via	Inactive	cca	cnst
6928672	6928672~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
6928672	6928672~EPA	ap1-agonist_ch2	Activator	cca	hill
6928672	6928672~EPA	ap1-agonist_ratio	Activator	cca	hill
6928672	6928672~EPA	ap1-agonist_via	Inactive	cca	cnst
693072	693072~NTP	are-bla_ch1	Inactive	cca	cnst
693072	693072~NTP	are-bla_ch2	Activator	cca	hill
693072	693072~NTP	are-bla_ratio	Activator	cca	hill
693072	693072~NTP	are-bla_via	Inactive	cca	cnst
69327760	69327760~EPA	are-bla_ch1	Inactive	EUC	cnst
69327760	69327760~EPA	are-bla_ch2	Activator	EUC	hill
69327760	69327760~EPA	are-bla_ratio	Activator	EUC	hill
69327760	69327760~EPA	are-bla_via	Inactive	EUC	cnst
69409945	69409945~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
69409945	69409945~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
69409945	69409945~NTP	ap1-agonist_ratio	Activator	rfp	hill
69409945	69409945~NTP	ap1-agonist_via	Inactive	rfp	cnst
69409945	69409945~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
69409945	69409945~NTP	esre-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
69409945	69409945~NTP	esre-bla_ratio	Activator	rfp	hill
69409945	69409945~NTP	esre-bla_via	Inactive	rfp	cnst
69409945	69409945~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
69409945	69409945~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
69409945	69409945~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
69409945	69409945~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
69409945	69409945~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
69409945	69409945~NTP	hse-bla_ch2	Inactive	rfp	cnst
69409945	69409945~NTP	hse-bla_ratio	Activator	rfp	hill
69409945	69409945~NTP	hse-bla_via	Inactive	rfp	cnst
69409945	69409945~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
69409945	69409945~NTP	p53-bla_ch2	Inactive	rfp	cnst
69409945	69409945~NTP	p53-bla_ratio	Activator	rfp	hill
69409945	69409945~NTP	p53-bla_via	Inactive	rfp	cnst
6959484	6959484~EPA	are-bla_ch1	Inactive	cca	cnst
6959484	6959484~EPA	are-bla_ch2	Activator	cca	hill
6959484	6959484~EPA	are-bla_ratio	Activator	cca	hill
6959484	6959484~EPA	are-bla_via	Inactive	cca	cnst
6965715	6965715~EPA	are-bla_ch1	Inactive	rfn	cnst
6965715	6965715~EPA	are-bla_ch2	Activator	rfn	hill
6965715	6965715~EPA	are-bla_ratio	Inactive	rfn	cnst
6965715	6965715~EPA	are-bla_via	Inactive	rfn	cnst
69669449	69669449~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
69669449	69669449~NTP	ap1-agonist_ch2	Activator	EOC	gnls
69669449	69669449~NTP	ap1-agonist_ratio	Activator	EOC	gnls
69669449	69669449~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
69669449	69669449~NTP	are-bla_ch1	Repressor	cca	hill.inv
69669449	69669449~NTP	are-bla_ch2	Activator	cca	gnls
69669449	69669449~NTP	are-bla_ratio	Activator	cca	hill
69669449	69669449~NTP	are-bla_via	Repressor	cca	hill.inv
69669449	69669449~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
69669449	69669449~NTP	esre-bla_ch2	Inactive	rfp	cnst
69669449	69669449~NTP	esre-bla_ratio	Activator	rfp	hill
69669449	69669449~NTP	esre-bla_via	Repressor	rfp	hill.inv
69669449	69669449~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
69669449	69669449~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
69669449	69669449~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
69669449	69669449~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
69669449	69669449~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
69669449	69669449~NTP	p53-bla_ch2	Inactive	rfp	cnst
69669449	69669449~NTP	p53-bla_ratio	Activator	rfp	hill
69669449	69669449~NTP	p53-bla_via	Repressor	rfp	hill.inv
69749	69749~EPA	p53-bla_ch1	Inactive	cca	cnst
69749	69749~EPA	p53-bla_ch2	Activator	cca	hill
69749	69749~EPA	p53-bla_ratio	Activator	cca	hill
69749	69749~EPA	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
69806344	69806344~EPA	are-bla_ch1	Inactive	EUC	cnst
69806344	69806344~EPA	are-bla_ch2	Activator	EUC	hill
69806344	69806344~EPA	are-bla_ratio	Activator	EUC	hill
69806344	69806344~EPA	are-bla_via	Inactive	EUC	cnst
6983795	6983795~EPA	are-bla_ch1	Inactive	EUC	cnst
6983795	6983795~EPA	are-bla_ch2	Activator	EUC	hill
6983795	6983795~EPA	are-bla_ratio	Activator	EUC	hill
6983795	6983795~EPA	are-bla_via	Inactive	EUC	cnst
69956770	69956770~FDA	are-bla_ch1	Inactive	cca	cnst
69956770	69956770~FDA	are-bla_ch2	Activator	cca	hill
69956770	69956770~FDA	are-bla_ratio	Activator	cca	hill
69956770	69956770~FDA	are-bla_via	Inactive	cca	cnst
700061	700061~EPA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
700061	700061~EPA	are-bla_ch2	Activator	EOC/PUC	hill
700061	700061~EPA	are-bla_ratio	Activator	EOC/PUC	hill
700061	700061~EPA	are-bla_via	Inactive	EOC/PUC	cnst
700061	700061~FDA	are-bla_ch1	Repressor	cca	hill.inv
700061	700061~FDA	are-bla_ch2	Activator	cca	gnls
700061	700061~FDA	are-bla_ratio	Activator	cca	gnls
700061	700061~FDA	are-bla_via	Inactive	cca	cnst
700061	700061~NTP	are-bla_ch1	Repressor	PUC	hill.inv
700061	700061~NTP	are-bla_ch2	Activator	PUC	gnls
700061	700061~NTP	are-bla_ratio	Activator	PUC	hill
700061	700061~NTP	are-bla_via	Inactive	PUC	cnst
70008	70008~FDA	p53-bla_ch1	Repressor	cca	hill.inv
70008	70008~FDA	p53-bla_ch2	Activator	cca	hill
70008	70008~FDA	p53-bla_ratio	Activator	cca	hill
70008	70008~FDA	p53-bla_via	Inactive	cca	cnst
700130	700130~FDA	are-bla_ch1	Repressor	cca	hill.inv
700130	700130~FDA	are-bla_ch2	Activator	cca	hill
700130	700130~FDA	are-bla_ratio	Activator	cca	hill
700130	700130~FDA	are-bla_via	Inactive	cca	cnst
7007967	7007967~FDA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
7007967	7007967~FDA	are-bla_ch2	Activator	EOC/PUC	hill
7007967	7007967~FDA	are-bla_ratio	Activator	EOC/PUC	hill
7007967	7007967~FDA	are-bla_via	Inactive	EOC/PUC	cnst
70100	70100~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
70100	70100~FDA	ap1-agonist_ch2	Activator	cca	gnls
70100	70100~FDA	ap1-agonist_ratio	Activator	cca	gnls
70100	70100~FDA	ap1-agonist_via	Repressor	cca	hill.inv
70111	70111~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
70111	70111~NTP	ap1-agonist_ch2	Activator	cca	hill
70111	70111~NTP	ap1-agonist_ratio	Activator	cca	hill
70111	70111~NTP	ap1-agonist_via	Inactive	cca	cnst
70124775	70124775~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
70124775	70124775~EPA	esre-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
70124775	70124775~EPA	esre-bla_ratio	Activator	rfp	hill
70124775	70124775~EPA	esre-bla_via	Inactive	rfp	cnst
70124775	70124775~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70124775	70124775~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
70124775	70124775~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
70124775	70124775~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
70124775	70124775~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
70124775	70124775~EPA	hse-bla_ch2	Inactive	rfp	cnst
70124775	70124775~EPA	hse-bla_ratio	Activator	rfp	hill
70124775	70124775~EPA	hse-bla_via	Inactive	rfp	cnst
701921713	701921713~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
701921713	701921713~NTP	ap1-agonist_ch2	Activator	EOC	gnls
701921713	701921713~NTP	ap1-agonist_ratio	Activator	EOC	hill
701921713	701921713~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
701921713	701921713~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
701921713	701921713~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
701921713	701921713~NTP	esre-bla_ratio	Activator	rfp	hill
701921713	701921713~NTP	esre-bla_via	Repressor	rfp	hill.inv
701921713	701921713~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
701921713	701921713~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
701921713	701921713~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
701921713	701921713~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
701921713	701921713~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
701921713	701921713~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
701921713	701921713~NTP	hse-bla_ratio	Activator	rfp	gnls
701921713	701921713~NTP	hse-bla_via	Repressor	rfp	hill.inv
701921713	701921713~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
701921713	701921713~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
701921713	701921713~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
701921713	701921713~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
701921713	701921713~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
701921713	701921713~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
701921713	701921713~NTP	p53-bla_ratio	Activator	rfp	hill
701921713	701921713~NTP	p53-bla_via	Repressor	rfp	hill.inv
70257	70257~NTP	ap1-agonist_ch1	Inactive	cca	cnst
70257	70257~NTP	ap1-agonist_ch2	Activator	cca	hill
70257	70257~NTP	ap1-agonist_ratio	Activator	cca	hill
70257	70257~NTP	ap1-agonist_via	Inactive	cca	cnst
70257	70257~NTP	p53-bla_ch1	Inactive	cca	cnst
70257	70257~NTP	p53-bla_ch2	Activator	cca	hill
70257	70257~NTP	p53-bla_ratio	Activator	cca	hill
70257	70257~NTP	p53-bla_via	Inactive	cca	cnst
70304	70304~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
70304	70304~EPA	esre-bla_ch2	Inactive	rfp	cnst
70304	70304~EPA	esre-bla_ratio	Activator	rfp	hill
70304	70304~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
70304	70304~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70304	70304~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
70304	70304~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
70304	70304~EPA	hre-bla-agonist_via	Complex	rfp	gnls
70304	70304~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
70304	70304~EPA	hse-bla_ch2	Activator	PUC	gnls
70304	70304~EPA	hse-bla_ratio	Activator	PUC	hill
70304	70304~EPA	hse-bla_via	Repressor	PUC	hill.inv
70304	70304~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
70304	70304~EPA	p53-bla_ch2	Activator	EOC	gnls
70304	70304~EPA	p53-bla_ratio	Activator	EOC	hill
70304	70304~EPA	p53-bla_via	Repressor	EOC	hill.inv
70304	70304~FDA	are-bla_ch1	Activator	rfn	hill
70304	70304~FDA	are-bla_ch2	Activator	rfn	gnls
70304	70304~FDA	are-bla_ratio	Inactive	rfn	hill.inv
70304	70304~FDA	are-bla_via	Repressor	rfn	hill.inv
70304	70304~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70304	70304~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
70304	70304~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
70304	70304~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
70304	70304~FDA	p53-bla_ch1	Repressor	cca	hill.inv
70304	70304~FDA	p53-bla_ch2	Activator	cca	hill
70304	70304~FDA	p53-bla_ratio	Activator	cca	hill
70304	70304~FDA	p53-bla_via	Repressor	cca	hill.inv
70304	70304~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
70304	70304~NTP	esre-bla_ch2	Inactive	rfp	cnst
70304	70304~NTP	esre-bla_ratio	Activator	rfp	hill
70304	70304~NTP	esre-bla_via	Repressor	rfp	hill.inv
70304	70304~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70304	70304~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
70304	70304~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
70304	70304~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
70304	70304~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
70304	70304~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
70304	70304~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
70304	70304~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
70304	70304~NTP	p53-bla_ch1	Repressor	cca	hill.inv
70304	70304~NTP	p53-bla_ch2	Activator	cca	gnls
70304	70304~NTP	p53-bla_ratio	Activator	cca	hill
70304	70304~NTP	p53-bla_via	Repressor	cca	hill.inv
70348	70348~NTP	are-bla_ch1	Repressor	cca	hill.inv
70348	70348~NTP	are-bla_ch2	Activator	cca	gnls
70348	70348~NTP	are-bla_ratio	Activator	cca	gnls
70348	70348~NTP	are-bla_via	Repressor	cca	hill.inv
70348	70348~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70348	70348~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
70348	70348~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
70348	70348~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
70356091	70356091~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
70356091	70356091~NTP	hre-bla-agonist_ch2	Activator	cca	hill
70356091	70356091~NTP	hre-bla-agonist_ratio	Activator	cca	hill
70356091	70356091~NTP	hre-bla-agonist_via	Inactive	cca	cnst
70384291	70384291~FDA	p53-bla_ch1	Repressor	cca	hill.inv
70384291	70384291~FDA	p53-bla_ch2	Activator	cca	hill
70384291	70384291~FDA	p53-bla_ratio	Activator	cca	hill
70384291	70384291~FDA	p53-bla_via	Inactive	cca	cnst
70476823	70476823~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
70476823	70476823~FDA	ap1-agonist_ch2	Activator	cca	gnls
70476823	70476823~FDA	ap1-agonist_ratio	Activator	cca	gnls
70476823	70476823~FDA	ap1-agonist_via	Inactive	cca	cnst
70476823	70476823~FDA	are-bla_ch1	Repressor	PUC	hill.inv
70476823	70476823~FDA	are-bla_ch2	Activator	PUC	gnls
70476823	70476823~FDA	are-bla_ratio	Activator	PUC	gnls
70476823	70476823~FDA	are-bla_via	Repressor	PUC	hill.inv
70476823	70476823~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70476823	70476823~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
70476823	70476823~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
70476823	70476823~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
70476823	70476823~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
70476823	70476823~FDA	hse-bla_ch2	Inactive	rfp	cnst
70476823	70476823~FDA	hse-bla_ratio	Activator	rfp	hill
70476823	70476823~FDA	hse-bla_via	Repressor	rfp	hill.inv
70476823	70476823~FDA	nfkb-bla-agonist_ch1	Repressor	cca	hill.inv
70476823	70476823~FDA	nfkb-bla-agonist_ch2	Activator	cca	gnls
70476823	70476823~FDA	nfkb-bla-agonist_ratio	Activator	cca	gnls
70476823	70476823~FDA	nfkb-bla-agonist_via	Inactive	cca	cnst
70476823	70476823~FDA	p53-bla_ch1	Repressor	EOC/PUC	gnls.inv
70476823	70476823~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
70476823	70476823~FDA	p53-bla_ratio	Activator	EOC/PUC	gnls
70476823	70476823~FDA	p53-bla_via	Inactive	EOC/PUC	cnst
705602	705602~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
705602	705602~EPA	hse-bla_ch2	Activator	EOC	hill
705602	705602~EPA	hse-bla_ratio	Activator	EOC	hill
705602	705602~EPA	hse-bla_via	Repressor	EOC	gnls.inv
705602	705602~EPA	p53-bla_ch1	Repressor	rfp	gnls.inv
705602	705602~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
705602	705602~EPA	p53-bla_ratio	Activator	rfp	gnls
705602	705602~EPA	p53-bla_via	Repressor	rfp	gnls.inv
7059247	7059247~FDA	p53-bla_ch1	Inactive	EUC	cnst
7059247	7059247~FDA	p53-bla_ch2	Activator	EUC	gnls
7059247	7059247~FDA	p53-bla_ratio	Activator	EUC	gnls
7059247	7059247~FDA	p53-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
70862656	70862656~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
70862656	70862656~NTP	ap1-agonist_ch2	Activator	PUC	gnls
70862656	70862656~NTP	ap1-agonist_ratio	Activator	PUC	hill
70862656	70862656~NTP	ap1-agonist_via	Repressor	PUC	hill.inv
70862656	70862656~NTP	are-bla_ch1	Repressor	EUC	hill.inv
70862656	70862656~NTP	are-bla_ch2	Activator	EUC	gnls
70862656	70862656~NTP	are-bla_ratio	Activator	EUC	gnls
70862656	70862656~NTP	are-bla_via	Repressor	EUC	hill.inv
70862656	70862656~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
70862656	70862656~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
70862656	70862656~NTP	esre-bla_ratio	Activator	rfp	hill
70862656	70862656~NTP	esre-bla_via	Repressor	rfp	hill.inv
70862656	70862656~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
70862656	70862656~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
70862656	70862656~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
70862656	70862656~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
70862656	70862656~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
70862656	70862656~NTP	hse-bla_ch2	Inactive	rfp	cnst
70862656	70862656~NTP	hse-bla_ratio	Activator	rfp	hill
70862656	70862656~NTP	hse-bla_via	Repressor	rfp	hill.inv
70862656	70862656~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
70862656	70862656~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
70862656	70862656~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
70862656	70862656~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
70862656	70862656~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
70862656	70862656~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
70862656	70862656~NTP	p53-bla_ratio	Activator	rfp	hill
70862656	70862656~NTP	p53-bla_via	Repressor	rfp	hill.inv
709988	709988~NTP	are-bla_ch1	Inactive	rfn	cnst
709988	709988~NTP	are-bla_ch2	Activator	rfn	hill
709988	709988~NTP	are-bla_ratio	Inactive	rfn	cnst
709988	709988~NTP	are-bla_via	Inactive	rfn	cnst
71283802	71283802~EPA	are-bla_ch1	Inactive	cca	cnst
71283802	71283802~EPA	are-bla_ch2	Activator	cca	hill
71283802	71283802~EPA	are-bla_ratio	Activator	cca	hill
71283802	71283802~EPA	are-bla_via	Inactive	cca	cnst
71422678	71422678~EPA	are-bla_ch1	Inactive	cca	cnst
71422678	71422678~EPA	are-bla_ch2	Activator	cca	hill
71422678	71422678~EPA	are-bla_ratio	Activator	cca	hill
71422678	71422678~EPA	are-bla_via	Inactive	cca	cnst
71422678	71422678~EPA	p53-bla_ch1	Repressor	cca	hill.inv
71422678	71422678~EPA	p53-bla_ch2	Activator	cca	hill
71422678	71422678~EPA	p53-bla_ratio	Activator	cca	hill
71422678	71422678~EPA	p53-bla_via	Repressor	cca	hill.inv
71487	71487~NTP	are-bla_ch1	Repressor	cca	hill.inv
71487	71487~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
71487	71487~NTP	are-bla_ratio	Activator	cca	hill
71487	71487~NTP	are-bla_via	Inactive	cca	cnst
71487	71487~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
71487	71487~NTP	hre-bla-agonist_ch2	Activator	cca	hill
71487	71487~NTP	hre-bla-agonist_ratio	Activator	cca	hill
71487	71487~NTP	hre-bla-agonist_via	Inactive	cca	cnst
71526073	71526073~EPA	are-bla_ch1	Inactive	EUC	cnst
71526073	71526073~EPA	are-bla_ch2	Activator	EUC	hill
71526073	71526073~EPA	are-bla_ratio	Activator	EUC	hill
71526073	71526073~EPA	are-bla_via	Inactive	EUC	cnst
7152809	7152809~EPA	ap1-agonist_ch1	Repressor	cca	gnls.inv
7152809	7152809~EPA	ap1-agonist_ch2	Activator	cca	gnls
7152809	7152809~EPA	ap1-agonist_ratio	Activator	cca	gnls
7152809	7152809~EPA	ap1-agonist_via	Inactive	cca	cnst
71589	71589~FDA	are-bla_ch1	Inactive	cca	cnst
71589	71589~FDA	are-bla_ch2	Activator	cca	hill
71589	71589~FDA	are-bla_ratio	Activator	cca	hill
71589	71589~FDA	are-bla_via	Inactive	cca	cnst
71589	71589~NTP	ap1-agonist_ch1	Inactive	cca	cnst
71589	71589~NTP	ap1-agonist_ch2	Activator	cca	gnls
71589	71589~NTP	ap1-agonist_ratio	Activator	cca	gnls
71589	71589~NTP	ap1-agonist_via	Inactive	cca	cnst
71589	71589~NTP	are-bla_ch1	Inactive	cca	cnst
71589	71589~NTP	are-bla_ch2	Activator	cca	hill
71589	71589~NTP	are-bla_ratio	Activator	cca	hill
71589	71589~NTP	are-bla_via	Inactive	cca	cnst
71626114	71626114~EPA	are-bla_ch1	Inactive	EUC	cnst
71626114	71626114~EPA	are-bla_ch2	Activator	EUC	hill
71626114	71626114~EPA	are-bla_ratio	Activator	EUC	hill
71626114	71626114~EPA	are-bla_via	Inactive	EUC	cnst
71636	71636~EPA	are-bla_ch1	Activator	rfn	hill
71636	71636~EPA	are-bla_ch2	Activator	rfn	gnls
71636	71636~EPA	are-bla_ratio	Inactive	rfn	hill.inv
71636	71636~EPA	are-bla_via	Repressor	rfn	hill.inv
71636	71636~EPA	p53-bla_ch1	Activator	cca	hill
71636	71636~EPA	p53-bla_ch2	Activator	cca	gnls
71636	71636~EPA	p53-bla_ratio	Activator	cca	gnls
71636	71636~EPA	p53-bla_via	Repressor	cca	hill.inv
71636	71636~FDA	p53-bla_ch1	Activator	cca	hill
71636	71636~FDA	p53-bla_ch2	Activator	cca	gnls
71636	71636~FDA	p53-bla_ratio	Activator	cca	gnls
71636	71636~FDA	p53-bla_via	Repressor	cca	hill.inv
71670	71670~FDA	ap1-agonist_ch1	Inactive	cca	cnst
71670	71670~FDA	ap1-agonist_ch2	Activator	cca	hill
71670	71670~FDA	ap1-agonist_ratio	Activator	cca	hill
71670	71670~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
71670	71670~FDA	are-bla_ch1	Repressor	cca	hill.inv
71670	71670~FDA	are-bla_ch2	Activator	cca	gnls
71670	71670~FDA	are-bla_ratio	Activator	cca	hill
71670	71670~FDA	are-bla_via	Inactive	cca	cnst
7173515	7173515~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
7173515	7173515~EPA	ap1-agonist_ch2	Activator	cca	gnls
7173515	7173515~EPA	ap1-agonist_ratio	Activator	cca	hill
7173515	7173515~EPA	ap1-agonist_via	Repressor	cca	hill.inv
7173515	7173515~EPA	are-bla_ch1	Repressor	cca	hill.inv
7173515	7173515~EPA	are-bla_ch2	Activator	cca	gnls
7173515	7173515~EPA	are-bla_ratio	Activator	cca	gnls
7173515	7173515~EPA	are-bla_via	Repressor	cca	hill.inv
7173515	7173515~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
7173515	7173515~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
7173515	7173515~EPA	esre-bla_ratio	Activator	rfp	hill
7173515	7173515~EPA	esre-bla_via	Repressor	rfp	hill.inv
7173515	7173515~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
7173515	7173515~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
7173515	7173515~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
7173515	7173515~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
7173515	7173515~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
7173515	7173515~EPA	hse-bla_ch2	Inactive	rfp	cnst
7173515	7173515~EPA	hse-bla_ratio	Activator	rfp	hill
7173515	7173515~EPA	hse-bla_via	Repressor	rfp	hill.inv
7173515	7173515~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
7173515	7173515~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
7173515	7173515~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
7173515	7173515~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
7173515	7173515~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
7173515	7173515~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
7173515	7173515~EPA	p53-bla_ratio	Activator	rfp	hill
7173515	7173515~EPA	p53-bla_via	Repressor	rfp	hill.inv
71751412	71751412~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
71751412	71751412~EPA	ap1-agonist_ch2	Activator	PUC	gnls
71751412	71751412~EPA	ap1-agonist_ratio	Activator	PUC	hill
71751412	71751412~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
71751412	71751412~EPA	are-bla_ch1	Repressor	cca	hill.inv
71751412	71751412~EPA	are-bla_ch2	Activator	cca	gnls
71751412	71751412~EPA	are-bla_ratio	Activator	cca	gnls
71751412	71751412~EPA	are-bla_via	Repressor	cca	hill.inv
71751412	71751412~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
71751412	71751412~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
71751412	71751412~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
71751412	71751412~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
71751412	71751412~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
71751412	71751412~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
71751412	71751412~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
71751412	71751412~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
71751412	71751412~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
71751412	71751412~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
71751412	71751412~EPA	p53-bla_ratio	Activator	rfp	hill
71751412	71751412~EPA	p53-bla_via	Repressor	rfp	hill.inv
7177506	7177506~FDA	are-bla_ch1	Repressor	PUC	hill.inv
7177506	7177506~FDA	are-bla_ch2	Activator	PUC	hill
7177506	7177506~FDA	are-bla_ratio	Activator	PUC	hill
7177506	7177506~FDA	are-bla_via	Inactive	PUC	cnst
71827037	71827037~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
71827037	71827037~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
71827037	71827037~FDA	p53-bla_ratio	Activator	rfp	hill
71827037	71827037~FDA	p53-bla_via	Repressor	rfp	hill.inv
7212444	7212444~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
7212444	7212444~EPA	ap1-agonist_ch2	Activator	EOC	hill
7212444	7212444~EPA	ap1-agonist_ratio	Activator	EOC	hill
7212444	7212444~EPA	ap1-agonist_via	Inactive	EOC	cnst
7220793	7220793~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
7220793	7220793~NTP	ap1-agonist_ch2	Activator	cca	gnls
7220793	7220793~NTP	ap1-agonist_ratio	Activator	cca	gnls
7220793	7220793~NTP	ap1-agonist_via	Repressor	cca	hill.inv
7220793	7220793~NTP	are-bla_ch1	Repressor	cca	hill.inv
7220793	7220793~NTP	are-bla_ch2	Activator	cca	gnls
7220793	7220793~NTP	are-bla_ratio	Activator	cca	gnls
7220793	7220793~NTP	are-bla_via	Repressor	cca	hill.inv
72208	72208~EPA	are-bla_ch1	Inactive	EUC	cnst
72208	72208~EPA	are-bla_ch2	Activator	EUC	hill
72208	72208~EPA	are-bla_ratio	Activator	EUC	hill
72208	72208~EPA	are-bla_via	Inactive	EUC	cnst
72333	72333~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
72333	72333~EPA	ap1-agonist_ch2	Activator	cca	hill
72333	72333~EPA	ap1-agonist_ratio	Activator	cca	hill
72333	72333~EPA	ap1-agonist_via	Inactive	cca	cnst
72333	72333~EPA	are-bla_ch1	Inactive	cca	cnst
72333	72333~EPA	are-bla_ch2	Activator	cca	hill
72333	72333~EPA	are-bla_ratio	Activator	cca	hill
72333	72333~EPA	are-bla_via	Inactive	cca	cnst
72333	72333~FDA	ap1-agonist_ch1	Inactive	cca	cnst
72333	72333~FDA	ap1-agonist_ch2	Activator	cca	hill
72333	72333~FDA	ap1-agonist_ratio	Activator	cca	hill
72333	72333~FDA	ap1-agonist_via	Inactive	cca	cnst
72333	72333~FDA	are-bla_ch1	Inactive	cca	cnst
72333	72333~FDA	are-bla_ch2	Activator	cca	hill
72333	72333~FDA	are-bla_ratio	Activator	cca	hill
72333	72333~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
72479266	72479266~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
72479266	72479266~FDA	ap1-agonist_ch2	Activator	cca	hill
72479266	72479266~FDA	ap1-agonist_ratio	Activator	cca	hill
72479266	72479266~FDA	ap1-agonist_via	Inactive	cca	cnst
72479266	72479266~FDA	hse-bla_ch1	Repressor	cca	hill.inv
72479266	72479266~FDA	hse-bla_ch2	Activator	cca	hill
72479266	72479266~FDA	hse-bla_ratio	Activator	cca	hill
72479266	72479266~FDA	hse-bla_via	Inactive	cca	cnst
72490018	72490018~EPA	are-bla_ch1	Inactive	cca	cnst
72490018	72490018~EPA	are-bla_ch2	Activator	cca	gnls
72490018	72490018~EPA	are-bla_ratio	Activator	cca	gnls
72490018	72490018~EPA	are-bla_via	Inactive	cca	cnst
72496414	72496414~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
72496414	72496414~FDA	ap1-agonist_ch2	Activator	cca	gnls
72496414	72496414~FDA	ap1-agonist_ratio	Activator	cca	gnls
72496414	72496414~FDA	ap1-agonist_via	Inactive	cca	cnst
72496414	72496414~FDA	are-bla_ch1	Repressor	POC	hill.inv
72496414	72496414~FDA	are-bla_ch2	Activator	POC	gnls
72496414	72496414~FDA	are-bla_ratio	Activator	POC	gnls
72496414	72496414~FDA	are-bla_via	Repressor	POC	hill.inv
72496414	72496414~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
72496414	72496414~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
72496414	72496414~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
72496414	72496414~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
72496414	72496414~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
72496414	72496414~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls
72496414	72496414~FDA	p53-bla_ratio	Activator	EOC/PUC	gnls
72496414	72496414~FDA	p53-bla_via	Inactive	EOC/PUC	cnst
72509763	72509763~FDA	are-bla_ch1	Inactive	EUC	cnst
72509763	72509763~FDA	are-bla_ch2	Activator	EUC	hill
72509763	72509763~FDA	are-bla_ratio	Activator	EUC	hill
72509763	72509763~FDA	are-bla_via	Inactive	EUC	cnst
725228455	725228455~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
725228455	725228455~EPA	ap1-agonist_ch2	Activator	cca	gnls
725228455	725228455~EPA	ap1-agonist_ratio	Activator	cca	hill
725228455	725228455~EPA	ap1-agonist_via	Repressor	cca	hill.inv
725228455	725228455~EPA	are-bla_ch1	Repressor	cca	hill.inv
725228455	725228455~EPA	are-bla_ch2	Activator	cca	gnls
725228455	725228455~EPA	are-bla_ratio	Activator	cca	gnls
725228455	725228455~EPA	are-bla_via	Repressor	cca	hill.inv
725228455	725228455~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
725228455	725228455~EPA	p53-bla_ch2	Inactive	rfp	cnst
725228455	725228455~EPA	p53-bla_ratio	Activator	rfp	hill
725228455	725228455~EPA	p53-bla_via	Repressor	rfp	hill.inv
72548	72548~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
72548	72548~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
72548	72548~EPA	ap1-agonist_ratio	Activator	rfp	hill
72548	72548~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
72548	72548~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
72548	72548~EPA	esre-bla_ch2	Inactive	rfp	cnst
72548	72548~EPA	esre-bla_ratio	Activator	rfp	hill
72548	72548~EPA	esre-bla_via	Repressor	rfp	hill.inv
72548	72548~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
72548	72548~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
72548	72548~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
72548	72548~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
72548	72548~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
72548	72548~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
72548	72548~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
72548	72548~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
72548	72548~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
72548	72548~NTP	ap1-agonist_ratio	Activator	rfp	hill
72548	72548~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
72548	72548~NTP	are-bla_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	are-bla_ch2	Inactive	rfp	cnst
72548	72548~NTP	are-bla_ratio	Activator	rfp	hill
72548	72548~NTP	are-bla_via	Repressor	rfp	hill.inv
72548	72548~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
72548	72548~NTP	esre-bla_ratio	Activator	rfp	hill
72548	72548~NTP	esre-bla_via	Repressor	rfp	hill.inv
72548	72548~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
72548	72548~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
72548	72548~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
72548	72548~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	hse-bla_ch2	Inactive	rfp	cnst
72548	72548~NTP	hse-bla_ratio	Activator	rfp	hill
72548	72548~NTP	hse-bla_via	Repressor	rfp	hill.inv
72548	72548~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
72548	72548~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
72548	72548~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
72548	72548~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
72548	72548~NTP	p53-bla_ch2	Inactive	rfp	cnst
72548	72548~NTP	p53-bla_ratio	Activator	rfp	hill
72548	72548~NTP	p53-bla_via	Repressor	rfp	hill.inv
72559069	72559069~NTP	are-bla_ch1	Inactive	EOC	cnst
72559069	72559069~NTP	are-bla_ch2	Activator	EOC	hill
72559069	72559069~NTP	are-bla_ratio	Activator	EOC	hill
72559069	72559069~NTP	are-bla_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
72559	72559~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
72559	72559~EPA	esre-bla_ch2	Inactive	rfp	cnst
72559	72559~EPA	esre-bla_ratio	Activator	rfp	hill
72559	72559~EPA	esre-bla_via	Repressor	rfp	hill.inv
72559	72559~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
72559	72559~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
72559	72559~NTP	ap1-agonist_ratio	Activator	rfp	hill
72559	72559~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
72559	72559~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
72559	72559~NTP	esre-bla_ch2	Inactive	rfp	cnst
72559	72559~NTP	esre-bla_ratio	Activator	rfp	hill
72559	72559~NTP	esre-bla_via	Repressor	rfp	hill.inv
72559	72559~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
72559	72559~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
72559	72559~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
72559	72559~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
72559	72559~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
72559	72559~NTP	p53-bla_ch2	Inactive	rfp	cnst
72559	72559~NTP	p53-bla_ratio	Activator	rfp	hill
72559	72559~NTP	p53-bla_via	Repressor	rfp	hill.inv
72560	72560~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
72560	72560~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
72560	72560~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
72560	72560~NTP	hre-bla-agonist_via	Inactive	rfp	cnst
72639	72639~FDA	are-bla_ch1	Inactive	EUC	cnst
72639	72639~FDA	are-bla_ch2	Activator	EUC	hill
72639	72639~FDA	are-bla_ratio	Activator	EUC	hill
72639	72639~FDA	are-bla_via	Inactive	EUC	cnst
72800	72800~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
72800	72800~FDA	p53-bla_ch2	Activator	EUC	gnls
72800	72800~FDA	p53-bla_ratio	Activator	EUC	hill
72800	72800~FDA	p53-bla_via	Inactive	EUC	cnst
7281041	7281041~FDA	are-bla_ch1	Repressor	rfp	hill.inv
7281041	7281041~FDA	are-bla_ch2	Inactive	rfp	hill.inv
7281041	7281041~FDA	are-bla_ratio	Activator	rfp	gnls
7281041	7281041~FDA	are-bla_via	Repressor	rfp	hill.inv
7281041	7281041~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
7281041	7281041~FDA	hse-bla_ch2	Inactive	rfp	cnst
7281041	7281041~FDA	hse-bla_ratio	Activator	rfp	hill
7281041	7281041~FDA	hse-bla_via	Repressor	rfp	hill.inv
7281041	7281041~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
7281041	7281041~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
7281041	7281041~FDA	p53-bla_ratio	Activator	rfp	hill
7281041	7281041~FDA	p53-bla_via	Repressor	rfp	hill.inv
728405	728405~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
728405	728405~EPA	p53-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
728405	728405~EPA	p53-bla_ratio	Activator	rfp	hill
728405	728405~EPA	p53-bla_via	Inactive	rfp	cnst
731271	731271~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
731271	731271~EPA	ap1-agonist_ch2	Activator	PUC	gnls
731271	731271~EPA	ap1-agonist_ratio	Activator	PUC	hill
731271	731271~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
731271	731271~EPA	are-bla_ch1	Repressor	rfn	hill.inv
731271	731271~EPA	are-bla_ch2	Activator	rfn	gnls
731271	731271~EPA	are-bla_ratio	Inactive	rfn	hill.inv
731271	731271~EPA	are-bla_via	Repressor	rfn	hill.inv
731271	731271~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
731271	731271~EPA	esre-bla_ch2	Inactive	rfp	cnst
731271	731271~EPA	esre-bla_ratio	Activator	rfp	hill
731271	731271~EPA	esre-bla_via	Inactive	rfp	cnst
731271	731271~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
731271	731271~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
731271	731271~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
731271	731271~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
731271	731271~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
731271	731271~EPA	hse-bla_ch2	Inactive	rfp	cnst
731271	731271~EPA	hse-bla_ratio	Activator	rfp	hill
731271	731271~EPA	hse-bla_via	Repressor	rfp	hill.inv
731271	731271~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
731271	731271~EPA	p53-bla_ch2	Activator	PUC	gnls
731271	731271~EPA	p53-bla_ratio	Activator	PUC	hill
731271	731271~EPA	p53-bla_via	Inactive	PUC	cnst
732116	732116~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
732116	732116~EPA	ap1-agonist_ch2	Activator	cca	hill
732116	732116~EPA	ap1-agonist_ratio	Activator	cca	hill
732116	732116~EPA	ap1-agonist_via	Inactive	cca	cnst
732116	732116~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
732116	732116~NTP	ap1-agonist_ch2	Activator	cca	hill
732116	732116~NTP	ap1-agonist_ratio	Activator	cca	hill
732116	732116~NTP	ap1-agonist_via	Inactive	cca	cnst
732263	732263~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
732263	732263~EPA	ap1-agonist_ch2	Activator	cca	gnls
732263	732263~EPA	ap1-agonist_ratio	Activator	cca	gnls
732263	732263~EPA	ap1-agonist_via	Repressor	cca	hill.inv
732263	732263~NTP	ap1-agonist_ch1	Inactive	cca	cnst
732263	732263~NTP	ap1-agonist_ch2	Activator	cca	hill
732263	732263~NTP	ap1-agonist_ratio	Activator	cca	hill
732263	732263~NTP	ap1-agonist_via	Inactive	cca	cnst
7324007	7324007~NTP	are-bla_ch1	Inactive	cca	cnst
7324007	7324007~NTP	are-bla_ch2	Activator	cca	hill
7324007	7324007~NTP	are-bla_ratio	Activator	cca	hill
7324007	7324007~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
7328178	7328178~EPA	are-bla_ch1	Inactive	cca	cnst
7328178	7328178~EPA	are-bla_ch2	Activator	cca	hill
7328178	7328178~EPA	are-bla_ratio	Activator	cca	hill
7328178	7328178~EPA	are-bla_via	Inactive	cca	cnst
7328974	7328974~EPA	are-bla_ch1	Activator	rfn	hill
7328974	7328974~EPA	are-bla_ch2	Activator	rfn	gnls
7328974	7328974~EPA	are-bla_ratio	Inactive	rfn	cnst
7328974	7328974~EPA	are-bla_via	Inactive	rfn	cnst
7328974	7328974~EPA	esre-bla_ch1	Inactive	EUC/POC	cnst
7328974	7328974~EPA	esre-bla_ch2	Activator	EUC/POC	hill
7328974	7328974~EPA	esre-bla_ratio	Activator	EUC/POC	hill
7328974	7328974~EPA	esre-bla_via	Inactive	EUC/POC	cnst
7328974	7328974~NTP	ap1-agonist_ch1	Repressor	rfp	gnls.inv
7328974	7328974~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
7328974	7328974~NTP	ap1-agonist_ratio	Activator	rfp	hill
7328974	7328974~NTP	ap1-agonist_via	Inactive	rfp	cnst
7328974	7328974~NTP	are-bla_ch1	Inactive	rfn	cnst
7328974	7328974~NTP	are-bla_ch2	Activator	rfn	gnls
7328974	7328974~NTP	are-bla_ratio	Inactive	rfn	cnst
7328974	7328974~NTP	are-bla_via	Inactive	rfn	cnst
7328974	7328974~NTP	esre-bla_ch1	Activator	EUC/POC	hill
7328974	7328974~NTP	esre-bla_ch2	Activator	EUC/POC	gnls
7328974	7328974~NTP	esre-bla_ratio	Activator	EUC/POC	gnls
7328974	7328974~NTP	esre-bla_via	Inactive	EUC/POC	cnst
7328974	7328974~NTP	p53-bla_ch1	Activator	rfn	hill
7328974	7328974~NTP	p53-bla_ch2	Activator	rfn	hill
7328974	7328974~NTP	p53-bla_ratio	Inactive	rfn	cnst
7328974	7328974~NTP	p53-bla_via	Inactive	rfn	cnst
73310108	73310108~FDA	are-bla_ch1	Inactive	cca	cnst
73310108	73310108~FDA	are-bla_ch2	Activator	cca	hill
73310108	73310108~FDA	are-bla_ratio	Activator	cca	hill
73310108	73310108~FDA	are-bla_via	Inactive	cca	cnst
73367803	73367803~NTP	are-bla_ch1	Inactive	EUC	cnst
73367803	73367803~NTP	are-bla_ch2	Activator	EUC	hill
73367803	73367803~NTP	are-bla_ratio	Activator	EUC	hill
73367803	73367803~NTP	are-bla_via	Inactive	EUC	cnst
73573429	73573429~FDA	are-bla_ch1	Inactive	cca	cnst
73573429	73573429~FDA	are-bla_ch2	Activator	cca	hill
73573429	73573429~FDA	are-bla_ratio	Activator	cca	hill
73573429	73573429~FDA	are-bla_via	Inactive	cca	cnst
73590586	73590586~FDA	are-bla_ch1	Repressor	cca	hill.inv
73590586	73590586~FDA	are-bla_ch2	Activator	cca	hill
73590586	73590586~FDA	are-bla_ratio	Activator	cca	hill
73590586	73590586~FDA	are-bla_via	Inactive	cca	cnst
73590586	73590586~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
73590586	73590586~NTP	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
73590586	73590586~NTP	ap1-agonist_ratio	Activator	cca	hill
73590586	73590586~NTP	ap1-agonist_via	Inactive	cca	cnst
73590586	73590586~NTP	are-bla_ch1	Repressor	cca	hill.inv
73590586	73590586~NTP	are-bla_ch2	Activator	cca	hill
73590586	73590586~NTP	are-bla_ratio	Activator	cca	hill
73590586	73590586~NTP	are-bla_via	Inactive	cca	cnst
73590586	73590586~NTP	hse-bla_ch1	Inactive	cca	cnst
73590586	73590586~NTP	hse-bla_ch2	Activator	cca	gnls
73590586	73590586~NTP	hse-bla_ratio	Activator	cca	hill
73590586	73590586~NTP	hse-bla_via	Inactive	cca	cnst
73963721	73963721~FDA	are-bla_ch1	Inactive	cca	cnst
73963721	73963721~FDA	are-bla_ch2	Activator	cca	hill
73963721	73963721~FDA	are-bla_ratio	Activator	cca	hill
73963721	73963721~FDA	are-bla_via	Inactive	cca	cnst
7411496	7411496~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
7411496	7411496~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
7411496	7411496~NTP	ap1-agonist_ratio	Activator	rfp	hill
7411496	7411496~NTP	ap1-agonist_via	Inactive	rfp	cnst
7411496	7411496~NTP	are-bla_ch1	Repressor	EOC	hill.inv
7411496	7411496~NTP	are-bla_ch2	Activator	EOC	hill
7411496	7411496~NTP	are-bla_ratio	Activator	EOC	hill
7411496	7411496~NTP	are-bla_via	Inactive	EOC	cnst
741582	741582~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
741582	741582~EPA	ap1-agonist_ch2	Activator	cca	hill
741582	741582~EPA	ap1-agonist_ratio	Activator	cca	hill
741582	741582~EPA	ap1-agonist_via	Inactive	cca	cnst
741582	741582~EPA	are-bla_ch1	Inactive	EUC	cnst
741582	741582~EPA	are-bla_ch2	Activator	EUC	gnls
741582	741582~EPA	are-bla_ratio	Activator	EUC	gnls
741582	741582~EPA	are-bla_via	Inactive	EUC	cnst
7421401	7421401~FDA	are-bla_ch1	Inactive	cca	cnst
7421401	7421401~FDA	are-bla_ch2	Activator	cca	hill
7421401	7421401~FDA	are-bla_ratio	Activator	cca	hill
7421401	7421401~FDA	are-bla_via	Inactive	cca	cnst
742693385	742693385~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
742693385	742693385~EPA	ap1-agonist_ch2	Activator	cca	hill
742693385	742693385~EPA	ap1-agonist_ratio	Activator	cca	hill
742693385	742693385~EPA	ap1-agonist_via	Inactive	cca	cnst
74317	74317~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
74317	74317~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
74317	74317~NTP	ap1-agonist_ratio	Activator	rfp	hill
74317	74317~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
74440816	74440816~NTP	are-bla_ch1	Inactive	cca	cnst
74440816	74440816~NTP	are-bla_ch2	Activator	cca	gnls
74440816	74440816~NTP	are-bla_ratio	Activator	cca	gnls
74440816	74440816~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
74440816	74440816~NTP	hse-bla_ch1	Inactive	rfp	cnst
74440816	74440816~NTP	hse-bla_ch2	Inactive	rfp	cnst
74440816	74440816~NTP	hse-bla_ratio	Activator	rfp	hill
74440816	74440816~NTP	hse-bla_via	Inactive	rfp	cnst
7446084	7446084~NTP	are-bla_ch1	Repressor	EUC/POC	hill.inv
7446084	7446084~NTP	are-bla_ch2	Activator	EUC/POC	hill
7446084	7446084~NTP	are-bla_ratio	Activator	EUC/POC	hill
7446084	7446084~NTP	are-bla_via	Inactive	EUC/POC	cnst
7446084	7446084~NTP	p53-bla_ch1	Repressor	cca	hill.inv
7446084	7446084~NTP	p53-bla_ch2	Activator	cca	hill
7446084	7446084~NTP	p53-bla_ratio	Activator	cca	hill
7446084	7446084~NTP	p53-bla_via	Inactive	cca	cnst
7446813	7446813~NTP	are-bla_ch1	Inactive	cca	cnst
7446813	7446813~NTP	are-bla_ch2	Activator	cca	hill
7446813	7446813~NTP	are-bla_ratio	Activator	cca	hill
7446813	7446813~NTP	are-bla_via	Inactive	cca	cnst
7447394	7447394~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
7447394	7447394~NTP	ap1-agonist_ch2	Activator	cca	hill
7447394	7447394~NTP	ap1-agonist_ratio	Activator	cca	hill
7447394	7447394~NTP	ap1-agonist_via	Inactive	cca	cnst
7447394	7447394~NTP	hse-bla_ch1	Inactive	cca	cnst
7447394	7447394~NTP	hse-bla_ch2	Activator	cca	hill
7447394	7447394~NTP	hse-bla_ratio	Activator	cca	hill
7447394	7447394~NTP	hse-bla_via	Inactive	cca	cnst
74512122	74512122~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
74512122	74512122~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
74512122	74512122~FDA	ap1-agonist_ratio	Activator	rfp	hill
74512122	74512122~FDA	ap1-agonist_via	Inactive	rfp	cnst
74512122	74512122~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
74512122	74512122~FDA	esre-bla_ch2	Inactive	rfp	cnst
74512122	74512122~FDA	esre-bla_ratio	Activator	rfp	hill
74512122	74512122~FDA	esre-bla_via	Inactive	rfp	cnst
74512122	74512122~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
74512122	74512122~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
74512122	74512122~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
74512122	74512122~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
74512122	74512122~FDA	hse-bla_ch1	Repressor	EOC	hill.inv
74512122	74512122~FDA	hse-bla_ch2	Activator	EOC	hill
74512122	74512122~FDA	hse-bla_ratio	Activator	EOC	hill
74512122	74512122~FDA	hse-bla_via	Inactive	EOC	cnst
74772773	74772773~FDA	are-bla_ch1	Inactive	cca	cnst
74772773	74772773~FDA	are-bla_ch2	Activator	cca	hill
74772773	74772773~FDA	are-bla_ratio	Activator	cca	hill
74772773	74772773~FDA	are-bla_via	Inactive	cca	cnst
74772773	74772773~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
74772773	74772773~FDA	p53-bla_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
74772773	74772773~FDA	p53-bla_ratio	Activator	rfp	hill
74772773	74772773~FDA	p53-bla_via	Repressor	rfp	hill.inv
7487947	7487947~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
7487947	7487947~EPA	ap1-agonist_ch2	Activator	cca	gnls
7487947	7487947~EPA	ap1-agonist_ratio	Activator	cca	gnls
7487947	7487947~EPA	ap1-agonist_via	Repressor	cca	hill.inv
7487947	7487947~EPA	are-bla_ch1	Repressor	cca	hill.inv
7487947	7487947~EPA	are-bla_ch2	Activator	cca	gnls
7487947	7487947~EPA	are-bla_ratio	Activator	cca	gnls
7487947	7487947~EPA	are-bla_via	Repressor	cca	hill.inv
7487947	7487947~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
7487947	7487947~EPA	esre-bla_ch2	Inactive	rfp	cnst
7487947	7487947~EPA	esre-bla_ratio	Activator	rfp	hill
7487947	7487947~EPA	esre-bla_via	Repressor	rfp	hill.inv
7487947	7487947~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
7487947	7487947~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
7487947	7487947~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
7487947	7487947~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
7487947	7487947~EPA	hse-bla_ch1	Repressor	PUC	hill.inv
7487947	7487947~EPA	hse-bla_ch2	Activator	PUC	gnls
7487947	7487947~EPA	hse-bla_ratio	Activator	PUC	hill
7487947	7487947~EPA	hse-bla_via	Repressor	PUC	hill.inv
7487947	7487947~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
7487947	7487947~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
7487947	7487947~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
7487947	7487947~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
7487947	7487947~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
7487947	7487947~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
7487947	7487947~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
7487947	7487947~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
7487947	7487947~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
7487947	7487947~FDA	p53-bla_ch2	Inactive	rfp	cnst
7487947	7487947~FDA	p53-bla_ratio	Activator	rfp	hill
7487947	7487947~FDA	p53-bla_via	Repressor	rfp	hill.inv
7487947	7487947~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
7487947	7487947~NTP	ap1-agonist_ch2	Activator	EOC	gnls
7487947	7487947~NTP	ap1-agonist_ratio	Activator	EOC	gnls
7487947	7487947~NTP	ap1-agonist_via	Complex	EOC	gnls
7487947	7487947~NTP	are-bla_ch1	Repressor	cca	hill.inv
7487947	7487947~NTP	are-bla_ch2	Activator	cca	gnls
7487947	7487947~NTP	are-bla_ratio	Activator	cca	gnls
7487947	7487947~NTP	are-bla_via	Repressor	cca	hill.inv
7487947	7487947~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
7487947	7487947~NTP	esre-bla_ch2	Inactive	rfp	cnst
7487947	7487947~NTP	esre-bla_ratio	Activator	rfp	hill
7487947	7487947~NTP	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
7487947	7487947~NTP	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
7487947	7487947~NTP	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
7487947	7487947~NTP	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
7487947	7487947~NTP	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
7487947	7487947~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
7487947	7487947~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
7487947	7487947~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
7487947	7487947~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
7487947	7487947~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
7487947	7487947~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
7487947	7487947~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
7487947	7487947~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
7487947	7487947~NTP	p53-bla_ch1	Repressor	PUC	hill.inv
7487947	7487947~NTP	p53-bla_ch2	Activator	PUC	gnls
7487947	7487947~NTP	p53-bla_ratio	Activator	PUC	hill
7487947	7487947~NTP	p53-bla_via	Repressor	PUC	hill.inv
749020	749020~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
749020	749020~FDA	ap1-agonist_ch2	Activator	cca	hill
749020	749020~FDA	ap1-agonist_ratio	Activator	cca	hill
749020	749020~FDA	ap1-agonist_via	Inactive	cca	cnst
749020	749020~FDA	are-bla_ch1	Repressor	cca	gnls.inv
749020	749020~FDA	are-bla_ch2	Activator	cca	hill
749020	749020~FDA	are-bla_ratio	Activator	cca	gnls
749020	749020~FDA	are-bla_via	Complex	cca	gnls
749020	749020~FDA	esre-bla_ch1	Inactive	cca	cnst
749020	749020~FDA	esre-bla_ch2	Activator	cca	hill
749020	749020~FDA	esre-bla_ratio	Activator	cca	hill
749020	749020~FDA	esre-bla_via	Inactive	cca	cnst
7492297	7492297~FDA	p53-bla_ch1	Inactive	cca	cnst
7492297	7492297~FDA	p53-bla_ch2	Activator	cca	hill
7492297	7492297~FDA	p53-bla_ratio	Activator	cca	hill
7492297	7492297~FDA	p53-bla_via	Inactive	cca	cnst
75070	75070~NTP	are-bla_ch1	Repressor	cca	hill.inv
75070	75070~NTP	are-bla_ch2	Activator	cca	gnls
75070	75070~NTP	are-bla_ratio	Activator	cca	gnls
75070	75070~NTP	are-bla_via	Repressor	cca	hill.inv
75070	75070~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
75070	75070~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
75070	75070~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
75070	75070~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
75070	75070~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
75070	75070~NTP	hse-bla_ch2	Inactive	rfp	cnst
75070	75070~NTP	hse-bla_ratio	Activator	rfp	hill
75070	75070~NTP	hse-bla_via	Repressor	rfp	hill.inv
75070	75070~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
75070	75070~NTP	p53-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
75070	75070~NTP	p53-bla_ratio	Activator	rfp	hill
75070	75070~NTP	p53-bla_via	Repressor	rfp	hill.inv
752567	752567~FDA	are-bla_ch1	Repressor	cca	hill.inv
752567	752567~FDA	are-bla_ch2	Activator	cca	gnls
752567	752567~FDA	are-bla_ratio	Activator	cca	gnls
752567	752567~FDA	are-bla_via	Repressor	cca	hill.inv
75330755	75330755~EPA	are-bla_ch1	Inactive	PUC	cnst
75330755	75330755~EPA	are-bla_ch2	Activator	PUC	hill
75330755	75330755~EPA	are-bla_ratio	Activator	PUC	hill
75330755	75330755~EPA	are-bla_via	Inactive	PUC	cnst
75330755	75330755~FDA	ap1-agonist_ch1	Inactive	cca	cnst
75330755	75330755~FDA	ap1-agonist_ch2	Activator	cca	hill
75330755	75330755~FDA	ap1-agonist_ratio	Activator	cca	hill
75330755	75330755~FDA	ap1-agonist_via	Inactive	cca	cnst
75330755	75330755~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
75330755	75330755~NTP	ap1-agonist_ch2	Activator	cca	gnls
75330755	75330755~NTP	ap1-agonist_ratio	Activator	cca	hill
75330755	75330755~NTP	ap1-agonist_via	Repressor	cca	hill.inv
75330755	75330755~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
75330755	75330755~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
75330755	75330755~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
75330755	75330755~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
75330755	75330755~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
75330755	75330755~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
75330755	75330755~NTP	p53-bla_ratio	Activator	rfp	hill
75330755	75330755~NTP	p53-bla_via	Repressor	rfp	hill.inv
7534943	7534943~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
7534943	7534943~NTP	ap1-agonist_ch2	Activator	PUC	gnls
7534943	7534943~NTP	ap1-agonist_ratio	Activator	PUC	hill
7534943	7534943~NTP	ap1-agonist_via	Repressor	PUC	gnls.inv
753731	753731~EPA	are-bla_ch1	Inactive	cca	cnst
753731	753731~EPA	are-bla_ch2	Activator	cca	hill
753731	753731~EPA	are-bla_ratio	Activator	cca	hill
753731	753731~EPA	are-bla_via	Inactive	cca	cnst
753731	753731~EPA	hse-bla_ch1	Repressor	cca	hill.inv
753731	753731~EPA	hse-bla_ch2	Activator	cca	gnls
753731	753731~EPA	hse-bla_ratio	Activator	cca	gnls
753731	753731~EPA	hse-bla_via	Inactive	cca	cnst
753731	753731~NTP	are-bla_ch1	Repressor	cca	hill.inv
753731	753731~NTP	are-bla_ch2	Activator	cca	hill
753731	753731~NTP	are-bla_ratio	Activator	cca	hill
753731	753731~NTP	are-bla_via	Inactive	cca	cnst
753731	753731~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
753731	753731~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
753731	753731~NTP	hre-bla-agonist_ratio	Activator	cca	hill
753731	753731~NTP	hre-bla-agonist_via	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
753731	753731~NTP	hse-bla_ch1	Repressor	cca	hill.inv
753731	753731~NTP	hse-bla_ch2	Activator	cca	gnls
753731	753731~NTP	hse-bla_ratio	Activator	cca	gnls
753731	753731~NTP	hse-bla_via	Inactive	cca	cnst
75443991	75443991~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
75443991	75443991~FDA	p53-bla_ch2	Activator	EOC	gnls
75443991	75443991~FDA	p53-bla_ratio	Activator	EOC	gnls
75443991	75443991~FDA	p53-bla_via	Inactive	EOC	cnst
75444654	75444654~FDA	are-bla_ch1	Inactive	cca	cnst
75444654	75444654~FDA	are-bla_ch2	Activator	cca	hill
75444654	75444654~FDA	are-bla_ratio	Activator	cca	hill
75444654	75444654~FDA	are-bla_via	Inactive	cca	cnst
75478	75478~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
75478	75478~NTP	ap1-agonist_ch2	Activator	cca	hill
75478	75478~NTP	ap1-agonist_ratio	Activator	cca	hill
75478	75478~NTP	ap1-agonist_via	Inactive	cca	cnst
754916	754916~EPA	are-bla_ch1	Repressor	rfp	hill.inv
754916	754916~EPA	are-bla_ch2	Inactive	rfp	hill.inv
754916	754916~EPA	are-bla_ratio	Activator	rfp	gnls
754916	754916~EPA	are-bla_via	Repressor	rfp	hill.inv
754916	754916~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
754916	754916~EPA	hse-bla_ch2	Activator	EOC	gnls
754916	754916~EPA	hse-bla_ratio	Activator	EOC	hill
754916	754916~EPA	hse-bla_via	Repressor	EOC	hill.inv
754916	754916~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
754916	754916~EPA	p53-bla_ch2	Inactive	rfp	cnst
754916	754916~EPA	p53-bla_ratio	Activator	rfp	hill
754916	754916~EPA	p53-bla_via	Inactive	rfp	cnst
75529736	75529736~FDA	are-bla_ch1	Inactive	EUC	cnst
75529736	75529736~FDA	are-bla_ch2	Activator	EUC	hill
75529736	75529736~FDA	are-bla_ratio	Activator	EUC	hill
75529736	75529736~FDA	are-bla_via	Inactive	EUC	cnst
7553562	7553562~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
7553562	7553562~EPA	ap1-agonist_ch2	Activator	EOC	gnls
7553562	7553562~EPA	ap1-agonist_ratio	Activator	EOC	gnls
7553562	7553562~EPA	ap1-agonist_via	Inactive	EOC	cnst
7558738	7558738~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
7558738	7558738~FDA	ap1-agonist_ch2	Activator	cca	hill
7558738	7558738~FDA	ap1-agonist_ratio	Activator	cca	hill
7558738	7558738~FDA	ap1-agonist_via	Inactive	cca	cnst
75605	75605~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
75605	75605~EPA	ap1-agonist_ch2	Activator	cca	hill
75605	75605~EPA	ap1-agonist_ratio	Activator	cca	hill
75605	75605~EPA	ap1-agonist_via	Inactive	cca	cnst
75706126	75706126~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
75706126	75706126~EPA	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
75706126	75706126~EPA	ap1-agonist_ratio	Activator	cca	hill
75706126	75706126~EPA	ap1-agonist_via	Inactive	cca	cnst
75706126	75706126~EPA	are-bla_ch1	Repressor	EUC	hill.inv
75706126	75706126~EPA	are-bla_ch2	Activator	EUC	hill
75706126	75706126~EPA	are-bla_ratio	Activator	EUC	hill
75706126	75706126~EPA	are-bla_via	Inactive	EUC	cnst
75706126	75706126~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
75706126	75706126~EPA	esre-bla_ch2	Inactive	rfp	cnst
75706126	75706126~EPA	esre-bla_ratio	Activator	rfp	hill
75706126	75706126~EPA	esre-bla_via	Repressor	rfp	hill.inv
75706126	75706126~EPA	hse-bla_ch1	Repressor	cca	hill.inv
75706126	75706126~EPA	hse-bla_ch2	Activator	cca	gnls
75706126	75706126~EPA	hse-bla_ratio	Activator	cca	gnls
75706126	75706126~EPA	hse-bla_via	Repressor	cca	hill.inv
75747147	75747147~FDA	p53-bla_ch1	Repressor	cca	hill.inv
75747147	75747147~FDA	p53-bla_ch2	Activator	cca	hill
75747147	75747147~FDA	p53-bla_ratio	Activator	cca	hill
75747147	75747147~FDA	p53-bla_via	Inactive	cca	cnst
7575237	7575237~EPA	are-bla_ch1	Repressor	rfp	hill.inv
7575237	7575237~EPA	are-bla_ch2	Inactive	rfp	gnls.inv
7575237	7575237~EPA	are-bla_ratio	Activator	rfp	gnls.inv
7575237	7575237~EPA	are-bla_via	Inactive	rfp	cnst
7575237	7575237~EPA	esre-bla_ch1	Repressor	cca	hill.inv
7575237	7575237~EPA	esre-bla_ch2	Activator	cca	gnls
7575237	7575237~EPA	esre-bla_ratio	Activator	cca	hill
7575237	7575237~EPA	esre-bla_via	Inactive	cca	cnst
75956	75956~NTP	p53-bla_ch1	Repressor	cca	hill.inv
75956	75956~NTP	p53-bla_ch2	Activator	cca	hill
75956	75956~NTP	p53-bla_ratio	Activator	cca	hill
75956	75956~NTP	p53-bla_via	Inactive	cca	cnst
75967	75967~NTP	are-bla_ch1	Inactive	EUC	cnst
75967	75967~NTP	are-bla_ch2	Activator	EUC	hill
75967	75967~NTP	are-bla_ratio	Activator	EUC	hill
75967	75967~NTP	are-bla_via	Inactive	EUC	cnst
76150919	76150919~EPA	are-bla_ch1	Inactive	EUC	cnst
76150919	76150919~EPA	are-bla_ch2	Activator	EUC	hill
76150919	76150919~EPA	are-bla_ratio	Activator	EUC	hill
76150919	76150919~EPA	are-bla_via	Inactive	EUC	cnst
76150919	76150919~NTP	are-bla_ch1	Inactive	rfn	cnst
76150919	76150919~NTP	are-bla_ch2	Activator	rfn	hill
76150919	76150919~NTP	are-bla_ratio	Inactive	rfn	cnst
76150919	76150919~NTP	are-bla_via	Inactive	rfn	cnst
763326	763326~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
763326	763326~NTP	ap1-agonist_ch2	Activator	cca	hill
763326	763326~NTP	ap1-agonist_ratio	Activator	cca	hill
763326	763326~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
7642640	7642640~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
7642640	7642640~FDA	ap1-agonist_ch2	Activator	cca	hill
7642640	7642640~FDA	ap1-agonist_ratio	Activator	cca	hill
7642640	7642640~FDA	ap1-agonist_via	Inactive	cca	cnst
764410	764410~NTP	are-bla_ch1	Repressor	cca	hill.inv
764410	764410~NTP	are-bla_ch2	Activator	cca	hill
764410	764410~NTP	are-bla_ratio	Activator	cca	hill
764410	764410~NTP	are-bla_via	Inactive	cca	cnst
764421	764421~NTP	are-bla_ch1	Activator	EUC	hill
764421	764421~NTP	are-bla_ch2	Activator	EUC	gnls
764421	764421~NTP	are-bla_ratio	Activator	EUC	gnls
764421	764421~NTP	are-bla_via	Inactive	EUC	cnst
76448	76448~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
76448	76448~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
76448	76448~EPA	ap1-agonist_ratio	Activator	rfp	hill
76448	76448~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
76448	76448~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
76448	76448~EPA	esre-bla_ch2	Inactive	rfp	cnst
76448	76448~EPA	esre-bla_ratio	Activator	rfp	hill
76448	76448~EPA	esre-bla_via	Repressor	rfp	hill.inv
76448	76448~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
76448	76448~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
76448	76448~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
76448	76448~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
76448	76448~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
76448	76448~EPA	p53-bla_ch2	Inactive	rfp	cnst
76448	76448~EPA	p53-bla_ratio	Activator	rfp	hill
76448	76448~EPA	p53-bla_via	Repressor	rfp	hill.inv
76448	76448~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
76448	76448~NTP	ap1-agonist_ch2	Activator	cca	gnls
76448	76448~NTP	ap1-agonist_ratio	Activator	cca	hill
76448	76448~NTP	ap1-agonist_via	Repressor	cca	hill.inv
76448	76448~NTP	are-bla_ch1	Repressor	rfp	hill.inv
76448	76448~NTP	are-bla_ch2	Inactive	rfp	cnst
76448	76448~NTP	are-bla_ratio	Activator	rfp	hill
76448	76448~NTP	are-bla_via	Repressor	rfp	hill.inv
76448	76448~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
76448	76448~NTP	esre-bla_ch2	Inactive	rfp	cnst
76448	76448~NTP	esre-bla_ratio	Activator	rfp	hill
76448	76448~NTP	esre-bla_via	Repressor	rfp	hill.inv
76448	76448~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
76448	76448~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
76448	76448~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
76448	76448~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
76448	76448~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
76448	76448~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
76448	76448~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
76448	76448~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
76448	76448~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
76448	76448~NTP	p53-bla_ch2	Inactive	rfp	cnst
76448	76448~NTP	p53-bla_ratio	Activator	rfp	hill
76448	76448~NTP	p53-bla_via	Repressor	rfp	hill.inv
7646857	7646857~EPA	ap1-agonist_ch1	Inactive	cca	cnst
7646857	7646857~EPA	ap1-agonist_ch2	Activator	cca	hill
7646857	7646857~EPA	ap1-agonist_ratio	Activator	cca	hill
7646857	7646857~EPA	ap1-agonist_via	Inactive	cca	cnst
7647101	7647101~EPA	ap1-agonist_ch1	Inactive	cca	cnst
7647101	7647101~EPA	ap1-agonist_ch2	Activator	cca	hill
7647101	7647101~EPA	ap1-agonist_ratio	Activator	cca	hill
7647101	7647101~EPA	ap1-agonist_via	Inactive	cca	cnst
76573	76573~NTP	are-bla_ch1	Inactive	cca	cnst
76573	76573~NTP	are-bla_ch2	Activator	cca	hill
76573	76573~NTP	are-bla_ratio	Activator	cca	hill
76573	76573~NTP	are-bla_via	Inactive	cca	cnst
76608	76608~EPA	are-bla_ch1	Inactive	EUC	cnst
76608	76608~EPA	are-bla_ch2	Activator	EUC	hill
76608	76608~EPA	are-bla_ratio	Activator	EUC	hill
76608	76608~EPA	are-bla_via	Repressor	EUC	hill.inv
7681654	7681654~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
7681654	7681654~EPA	ap1-agonist_ch2	Activator	cca	gnls
7681654	7681654~EPA	ap1-agonist_ratio	Activator	cca	hill
7681654	7681654~EPA	ap1-agonist_via	Inactive	cca	cnst
7681654	7681654~EPA	are-bla_ch1	Inactive	cca	cnst
7681654	7681654~EPA	are-bla_ch2	Activator	cca	hill
7681654	7681654~EPA	are-bla_ratio	Activator	cca	hill
7681654	7681654~EPA	are-bla_via	Inactive	cca	cnst
7681654	7681654~EPA	hse-bla_ch1	Inactive	cca	cnst
7681654	7681654~EPA	hse-bla_ch2	Activator	cca	hill
7681654	7681654~EPA	hse-bla_ratio	Activator	cca	hill
7681654	7681654~EPA	hse-bla_via	Inactive	cca	cnst
7681676	7681676~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
7681676	7681676~FDA	ap1-agonist_ch2	Activator	cca	hill
7681676	7681676~FDA	ap1-agonist_ratio	Activator	cca	hill
7681676	7681676~FDA	ap1-agonist_via	Inactive	cca	cnst
7683592	7683592~FDA	are-bla_ch1	Inactive	cca	cnst
7683592	7683592~FDA	are-bla_ch2	Activator	cca	hill
7683592	7683592~FDA	are-bla_ratio	Activator	cca	hill
7683592	7683592~FDA	are-bla_via	Inactive	cca	cnst
76879	76879~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
76879	76879~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
76879	76879~EPA	ap1-agonist_ratio	Activator	EOC/PUC	gnls
76879	76879~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
76879	76879~EPA	are-bla_ch1	Repressor	cca	hill.inv
76879	76879~EPA	are-bla_ch2	Activator	cca	gnls
76879	76879~EPA	are-bla_ratio	Activator	cca	gnls
76879	76879~EPA	are-bla_via	Repressor	cca	hill.inv
76879	76879~EPA	esre-bla_ch1	Complex	EOC/PUC	gnls
76879	76879~EPA	esre-bla_ch2	Activator	EOC/PUC	gnls
76879	76879~EPA	esre-bla_ratio	Activator	EOC/PUC	hill
76879	76879~EPA	esre-bla_via	Repressor	EOC/PUC	hill.inv
76879	76879~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
76879	76879~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
76879	76879~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
76879	76879~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
76879	76879~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
76879	76879~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
76879	76879~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
76879	76879~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
76879	76879~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
76879	76879~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
76879	76879~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
76879	76879~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
76879	76879~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
76879	76879~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
76879	76879~EPA	p53-bla_ratio	Activator	rfp	hill
76879	76879~EPA	p53-bla_via	Repressor	rfp	hill.inv
7705080	7705080~EPA	are-bla_ch1	Inactive	cca	cnst
7705080	7705080~EPA	are-bla_ch2	Activator	cca	hill
7705080	7705080~EPA	are-bla_ratio	Activator	cca	hill
7705080	7705080~EPA	are-bla_via	Inactive	cca	cnst
77098	77098~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
77098	77098~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
77098	77098~NTP	ap1-agonist_ratio	Activator	rfp	gnls
77098	77098~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
77098	77098~NTP	are-bla_ch1	Repressor	cca	hill.inv
77098	77098~NTP	are-bla_ch2	Activator	cca	hill
77098	77098~NTP	are-bla_ratio	Activator	cca	hill
77098	77098~NTP	are-bla_via	Activator	cca	hill
77190	77190~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
77190	77190~FDA	ap1-agonist_ch2	Activator	EOC	hill
77190	77190~FDA	ap1-agonist_ratio	Activator	EOC	hill
77190	77190~FDA	ap1-agonist_via	Inactive	EOC	cnst
7724767	7724767~FDA	are-bla_ch1	Repressor	cca	gnls.inv
7724767	7724767~FDA	are-bla_ch2	Activator	cca	gnls
7724767	7724767~FDA	are-bla_ratio	Activator	cca	gnls
7724767	7724767~FDA	are-bla_via	Repressor	cca	hill.inv
7724767	7724767~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
7724767	7724767~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst



CAS	CASlib	endpoint	activity	call.type	win.mdl
7724767	7724767~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
7724767	7724767~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
77257422	77257422~FDA	are-bla_ch1	Repressor	cca	hill.inv
77257422	77257422~FDA	are-bla_ch2	Activator	cca	hill
77257422	77257422~FDA	are-bla_ratio	Activator	cca	hill
77257422	77257422~FDA	are-bla_via	Inactive	cca	cnst
77337736	77337736~EPA	are-bla_ch1	Repressor	cca	hill.inv
77337736	77337736~EPA	are-bla_ch2	Activator	cca	hill
77337736	77337736~EPA	are-bla_ratio	Activator	cca	hill
77337736	77337736~EPA	are-bla_via	Inactive	cca	cnst
77361	77361~FDA	are-bla_ch1	Inactive	cca	cnst
77361	77361~FDA	are-bla_ch2	Activator	cca	hill
77361	77361~FDA	are-bla_ratio	Activator	cca	hill
77361	77361~FDA	are-bla_via	Inactive	cca	cnst
773762	773762~FDA	ap1-agonist_ch1	Repressor	rfp	gnls.inv
773762	773762~FDA	ap1-agonist_ch2	Inactive	rfp	gnls.inv
773762	773762~FDA	ap1-agonist_ratio	Activator	rfp	gnls
773762	773762~FDA	ap1-agonist_via	Complex	rfp	gnls.inv
773762	773762~FDA	are-bla_ch1	Repressor	rfp	hill.inv
773762	773762~FDA	are-bla_ch2	Inactive	rfp	cnst
773762	773762~FDA	are-bla_ratio	Activator	rfp	hill
773762	773762~FDA	are-bla_via	Repressor	rfp	hill.inv
773762	773762~FDA	hse-bla_ch1	Repressor	POC	hill.inv
773762	773762~FDA	hse-bla_ch2	Activator	POC	gnls
773762	773762~FDA	hse-bla_ratio	Activator	POC	hill
773762	773762~FDA	hse-bla_via	Inactive	POC	cnst
773762	773762~FDA	p53-bla_ch1	Inactive	cca	cnst
773762	773762~FDA	p53-bla_ch2	Activator	cca	gnls
773762	773762~FDA	p53-bla_ratio	Activator	cca	hill
773762	773762~FDA	p53-bla_via	Repressor	cca	hill.inv
77407	77407~EPA	are-bla_ch1	Inactive	cca	cnst
77407	77407~EPA	are-bla_ch2	Activator	cca	hill
77407	77407~EPA	are-bla_ratio	Activator	cca	hill
77407	77407~EPA	are-bla_via	Inactive	cca	cnst
77407	77407~NTP	are-bla_ch1	Repressor	cca	hill.inv
77407	77407~NTP	are-bla_ch2	Activator	cca	gnls
77407	77407~NTP	are-bla_ratio	Activator	cca	gnls
77407	77407~NTP	are-bla_via	Inactive	cca	cnst
77439760	77439760~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
77439760	77439760~NTP	ap1-agonist_ch2	Activator	cca	gnls
77439760	77439760~NTP	ap1-agonist_ratio	Activator	cca	gnls
77439760	77439760~NTP	ap1-agonist_via	Inactive	cca	cnst
77439760	77439760~NTP	are-bla_ch1	Inactive	cca	cnst
77439760	77439760~NTP	are-bla_ch2	Activator	cca	gnls
77439760	77439760~NTP	are-bla_ratio	Activator	cca	gnls
77439760	77439760~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
77439760	77439760~NTP	p53-bla_ch1	Inactive	cca	cnst
77439760	77439760~NTP	p53-bla_ch2	Activator	cca	gnls
77439760	77439760~NTP	p53-bla_ratio	Activator	cca	gnls
77439760	77439760~NTP	p53-bla_via	Inactive	cca	cnst
77469988	77469988~FDA	p53-bla_ch1	Inactive	cca	cnst
77469988	77469988~FDA	p53-bla_ch2	Activator	cca	hill
77469988	77469988~FDA	p53-bla_ratio	Activator	cca	hill
77469988	77469988~FDA	p53-bla_via	Inactive	cca	cnst
77474	77474~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
77474	77474~EPA	ap1-agonist_ch2	Activator	cca	hill
77474	77474~EPA	ap1-agonist_ratio	Activator	cca	hill
77474	77474~EPA	ap1-agonist_via	Inactive	cca	cnst
77474	77474~EPA	are-bla_ch1	Repressor	rfp	hill.inv
77474	77474~EPA	are-bla_ch2	Inactive	rfp	hill.inv
77474	77474~EPA	are-bla_ratio	Activator	rfp	gnls
77474	77474~EPA	are-bla_via	Repressor	rfp	hill.inv
77474	77474~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
77474	77474~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
77474	77474~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
77474	77474~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
77474	77474~EPA	hse-bla_ch1	Inactive	cca	cnst
77474	77474~EPA	hse-bla_ch2	Activator	cca	hill
77474	77474~EPA	hse-bla_ratio	Activator	cca	hill
77474	77474~EPA	hse-bla_via	Inactive	cca	cnst
77474	77474~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
77474	77474~EPA	p53-bla_ch2	Inactive	rfp	cnst
77474	77474~EPA	p53-bla_ratio	Activator	rfp	hill
77474	77474~EPA	p53-bla_via	Repressor	rfp	hill.inv
77474	77474~NTP	are-bla_ch1	Repressor	rfp	hill.inv
77474	77474~NTP	are-bla_ch2	Inactive	rfp	hill.inv
77474	77474~NTP	are-bla_ratio	Activator	rfp	gnls
77474	77474~NTP	are-bla_via	Repressor	rfp	hill.inv
77474	77474~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
77474	77474~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
77474	77474~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
77474	77474~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
77474	77474~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
77474	77474~NTP	p53-bla_ch2	Inactive	rfp	cnst
77474	77474~NTP	p53-bla_ratio	Activator	rfp	hill
77474	77474~NTP	p53-bla_via	Repressor	rfp	hill.inv
77532	77532~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
77532	77532~NTP	ap1-agonist_ch2	Activator	cca	hill
77532	77532~NTP	ap1-agonist_ratio	Activator	cca	hill
77532	77532~NTP	ap1-agonist_via	Inactive	cca	cnst
77532	77532~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
77532	77532~NTP	hse-bla_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
77532	77532~NTP	hse-bla_ratio	Activator	rfp	hill
77532	77532~NTP	hse-bla_via	Repressor	rfp	hill.inv
7758192	7758192~EPA	are-bla_ch1	Inactive	cca	cnst
7758192	7758192~EPA	are-bla_ch2	Activator	cca	hill
7758192	7758192~EPA	are-bla_ratio	Activator	cca	hill
7758192	7758192~EPA	are-bla_via	Inactive	cca	cnst
77587	77587~FDA	are-bla_ch1	Repressor	cca	hill.inv
77587	77587~FDA	are-bla_ch2	Activator	cca	gnls
77587	77587~FDA	are-bla_ratio	Activator	cca	gnls
77587	77587~FDA	are-bla_via	Repressor	cca	hill.inv
77587	77587~FDA	hse-bla_ch1	Repressor	cca	hill.inv
77587	77587~FDA	hse-bla_ch2	Activator	cca	hill
77587	77587~FDA	hse-bla_ratio	Activator	cca	gnls
77587	77587~FDA	hse-bla_via	Inactive	cca	cnst
7758943	7758943~NTP	are-bla_ch1	Inactive	PUC	cnst
7758943	7758943~NTP	are-bla_ch2	Activator	PUC	hill
7758943	7758943~NTP	are-bla_ratio	Activator	PUC	gnls
7758943	7758943~NTP	are-bla_via	Inactive	PUC	cnst
7761457	7761457~FDA	ap1-agonist_ch1	Inactive	cca	cnst
7761457	7761457~FDA	ap1-agonist_ch2	Activator	cca	hill
7761457	7761457~FDA	ap1-agonist_ratio	Activator	cca	hill
7761457	7761457~FDA	ap1-agonist_via	Inactive	cca	cnst
7761457	7761457~FDA	are-bla_ch1	Inactive	cca	cnst
7761457	7761457~FDA	are-bla_ch2	Activator	cca	hill
7761457	7761457~FDA	are-bla_ratio	Activator	cca	hill
7761457	7761457~FDA	are-bla_via	Repressor	cca	hill.inv
7774290	7774290~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
7774290	7774290~EPA	ap1-agonist_ch2	Activator	cca	gnls
7774290	7774290~EPA	ap1-agonist_ratio	Activator	cca	gnls
7774290	7774290~EPA	ap1-agonist_via	Repressor	cca	hill.inv
7774290	7774290~EPA	are-bla_ch1	Repressor	rfp	hill.inv
7774290	7774290~EPA	are-bla_ch2	Inactive	rfp	hill.inv
7774290	7774290~EPA	are-bla_ratio	Activator	rfp	hill
7774290	7774290~EPA	are-bla_via	Repressor	rfp	hill.inv
7774290	7774290~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
7774290	7774290~EPA	esre-bla_ch2	Inactive	rfp	cnst
7774290	7774290~EPA	esre-bla_ratio	Activator	rfp	hill
7774290	7774290~EPA	esre-bla_via	Repressor	rfp	hill.inv
7774290	7774290~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
7774290	7774290~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
7774290	7774290~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
7774290	7774290~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
7774290	7774290~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
7774290	7774290~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
7774290	7774290~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
7774290	7774290~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
7774290	7774290~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
7774290	7774290~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
7774290	7774290~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
7774290	7774290~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
7774290	7774290~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
7774290	7774290~EPA	p53-bla_ch2	Inactive	rfp	cnst
7774290	7774290~EPA	p53-bla_ratio	Activator	rfp	hill
7774290	7774290~EPA	p53-bla_via	Repressor	rfp	hill.inv
7778509	7778509~FDA	p53-bla_ch1	Repressor	cca	hill.inv
7778509	7778509~FDA	p53-bla_ch2	Activator	cca	hill
7778509	7778509~FDA	p53-bla_ratio	Activator	cca	hill
7778509	7778509~FDA	p53-bla_via	Repressor	cca	hill.inv
7778509	7778509~NTP	are-bla_ch1	Activator	EUC	hill
7778509	7778509~NTP	are-bla_ch2	Activator	EUC	gnls
7778509	7778509~NTP	are-bla_ratio	Activator	EUC	gnls
7778509	7778509~NTP	are-bla_via	Repressor	EUC	hill.inv
7778509	7778509~NTP	p53-bla_ch1	Repressor	cca	hill.inv
7778509	7778509~NTP	p53-bla_ch2	Activator	cca	gnls
7778509	7778509~NTP	p53-bla_ratio	Activator	cca	gnls
7778509	7778509~NTP	p53-bla_via	Repressor	cca	hill.inv
7779659	7779659~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
7779659	7779659~NTP	ap1-agonist_ch2	Activator	cca	hill
7779659	7779659~NTP	ap1-agonist_ratio	Activator	cca	hill
7779659	7779659~NTP	ap1-agonist_via	Inactive	cca	cnst
7783008	7783008~NTP	are-bla_ch1	Repressor	cca	hill.inv
7783008	7783008~NTP	are-bla_ch2	Activator	cca	hill
7783008	7783008~NTP	are-bla_ratio	Activator	cca	hill
7783008	7783008~NTP	are-bla_via	Inactive	cca	cnst
7783008	7783008~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
7783008	7783008~NTP	p53-bla_ch2	Activator	EOC/PUC	hill
7783008	7783008~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
7783008	7783008~NTP	p53-bla_via	Inactive	EOC/PUC	cnst
7786347	7786347~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
7786347	7786347~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
7786347	7786347~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
7786347	7786347~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
7787599	7787599~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
7787599	7787599~NTP	ap1-agonist_ch2	Activator	cca	hill
7787599	7787599~NTP	ap1-agonist_ratio	Activator	cca	hill
7787599	7787599~NTP	ap1-agonist_via	Inactive	cca	cnst
7789120	7789120~FDA	p53-bla_ch1	Repressor	cca	hill.inv
7789120	7789120~FDA	p53-bla_ch2	Activator	cca	hill
7789120	7789120~FDA	p53-bla_ratio	Activator	cca	hill
7789120	7789120~FDA	p53-bla_via	Repressor	cca	hill.inv
7789120	7789120~NTP	are-bla_ch1	Activator	EUC	hill
7789120	7789120~NTP	are-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
7789120	7789120~NTP	are-bla_ratio	Activator	EUC	gnls
7789120	7789120~NTP	are-bla_via	Repressor	EUC	hill.inv
7789120	7789120~NTP	p53-bla_ch1	Repressor	cca	hill.inv
7789120	7789120~NTP	p53-bla_ch2	Activator	cca	gnls
7789120	7789120~NTP	p53-bla_ratio	Activator	cca	gnls
7789120	7789120~NTP	p53-bla_via	Repressor	cca	hill.inv
7791186	7791186~NTP	hse-bla_ch1	Inactive	cca	cnst
7791186	7791186~NTP	hse-bla_ch2	Activator	cca	hill
7791186	7791186~NTP	hse-bla_ratio	Activator	cca	hill
7791186	7791186~NTP	hse-bla_via	Inactive	cca	cnst
7795951	7795951~NTP	are-bla_ch1	Inactive	cca	cnst
7795951	7795951~NTP	are-bla_ch2	Activator	cca	hill
7795951	7795951~NTP	are-bla_ratio	Activator	cca	hill
7795951	7795951~NTP	are-bla_via	Inactive	cca	cnst
781737	781737~NTP	are-bla_ch1	Inactive	cca	cnst
781737	781737~NTP	are-bla_ch2	Activator	cca	hill
781737	781737~NTP	are-bla_ratio	Activator	cca	hill
781737	781737~NTP	are-bla_via	Inactive	cca	cnst
78308	78308~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
78308	78308~NTP	ap1-agonist_ch2	Activator	cca	gnls
78308	78308~NTP	ap1-agonist_ratio	Activator	cca	hill
78308	78308~NTP	ap1-agonist_via	Inactive	cca	cnst
78308	78308~NTP	are-bla_ch1	Inactive	cca	cnst
78308	78308~NTP	are-bla_ch2	Activator	cca	hill
78308	78308~NTP	are-bla_ratio	Activator	cca	hill
78308	78308~NTP	are-bla_via	Inactive	cca	cnst
78375	78375~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
78375	78375~EPA	ap1-agonist_ch2	Activator	cca	hill
78375	78375~EPA	ap1-agonist_ratio	Activator	cca	hill
78375	78375~EPA	ap1-agonist_via	Inactive	cca	cnst
78375	78375~EPA	are-bla_ch1	Inactive	cca	cnst
78375	78375~EPA	are-bla_ch2	Activator	cca	hill
78375	78375~EPA	are-bla_ratio	Activator	cca	gnls
78375	78375~EPA	are-bla_via	Repressor	cca	hill.inv
78375	78375~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
78375	78375~EPA	hse-bla_ch2	Activator	EOC	hill
78375	78375~EPA	hse-bla_ratio	Activator	EOC	hill
78375	78375~EPA	hse-bla_via	Repressor	EOC	hill.inv
78411	78411~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
78411	78411~FDA	ap1-agonist_ch2	Activator	cca	gnls
78411	78411~FDA	ap1-agonist_ratio	Activator	cca	hill
78411	78411~FDA	ap1-agonist_via	Repressor	cca	hill.inv
78411	78411~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
78411	78411~FDA	p53-bla_ch2	Inactive	rfp	cnst
78411	78411~FDA	p53-bla_ratio	Activator	rfp	hill
78411	78411~FDA	p53-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
78416816	78416816~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
78416816	78416816~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
78416816	78416816~FDA	p53-bla_ratio	Activator	rfp	hill
78416816	78416816~FDA	p53-bla_via	Repressor	rfp	hill.inv
784383	784383~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
784383	784383~FDA	ap1-agonist_ch2	Activator	cca	hill
784383	784383~FDA	ap1-agonist_ratio	Activator	cca	hill
784383	784383~FDA	ap1-agonist_via	Inactive	cca	cnst
784383	784383~FDA	are-bla_ch1	Inactive	cca	cnst
784383	784383~FDA	are-bla_ch2	Activator	cca	hill
784383	784383~FDA	are-bla_ratio	Activator	cca	hill
784383	784383~FDA	are-bla_via	Inactive	cca	cnst
78513	78513~EPA	are-bla_ch1	Inactive	cca	cnst
78513	78513~EPA	are-bla_ch2	Activator	cca	hill
78513	78513~EPA	are-bla_ratio	Activator	cca	hill
78513	78513~EPA	are-bla_via	Inactive	cca	cnst
78587050	78587050~EPA	are-bla_ch1	Inactive	cca	cnst
78587050	78587050~EPA	are-bla_ch2	Activator	cca	gnls
78587050	78587050~EPA	are-bla_ratio	Activator	cca	gnls
78587050	78587050~EPA	are-bla_via	Inactive	cca	cnst
78613351	78613351~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
78613351	78613351~FDA	ap1-agonist_ch2	Activator	cca	gnls
78613351	78613351~FDA	ap1-agonist_ratio	Activator	cca	hill
78613351	78613351~FDA	ap1-agonist_via	Inactive	cca	cnst
789026	789026~EPA	ap1-agonist_ch1	Repressor	PUC	hill.inv
789026	789026~EPA	ap1-agonist_ch2	Activator	PUC	gnls
789026	789026~EPA	ap1-agonist_ratio	Activator	PUC	hill
789026	789026~EPA	ap1-agonist_via	Repressor	PUC	hill.inv
789026	789026~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
789026	789026~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
789026	789026~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
789026	789026~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
789026	789026~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
789026	789026~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
789026	789026~NTP	ap1-agonist_ratio	Activator	rfp	hill
789026	789026~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
789026	789026~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
789026	789026~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
789026	789026~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
789026	789026~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
78977	78977~NTP	ap1-agonist_ch1	Inactive	cca	cnst
78977	78977~NTP	ap1-agonist_ch2	Activator	cca	hill
78977	78977~NTP	ap1-agonist_ratio	Activator	cca	hill
78977	78977~NTP	ap1-agonist_via	Inactive	cca	cnst
78995183	78995183~FDA	are-bla_ch1	Inactive	cca	cnst
78995183	78995183~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
78995183	78995183~FDA	are-bla_ratio	Activator	cca	gnls
78995183	78995183~FDA	are-bla_via	Inactive	cca	cnst
79005	79005~NTP	are-bla_ch1	Inactive	rfn	cnst
79005	79005~NTP	are-bla_ch2	Activator	rfn	hill
79005	79005~NTP	are-bla_ratio	Inactive	rfn	cnst
79005	79005~NTP	are-bla_via	Inactive	rfn	cnst
79069946	79069946~FDA	ap1-agonist_ch1	Inactive	cca	cnst
79069946	79069946~FDA	ap1-agonist_ch2	Activator	cca	hill
79069946	79069946~FDA	ap1-agonist_ratio	Activator	cca	hill
79069946	79069946~FDA	ap1-agonist_via	Inactive	cca	cnst
79094	79094~NTP	ap1-agonist_ch1	Inactive	cca	cnst
79094	79094~NTP	ap1-agonist_ch2	Activator	cca	hill
79094	79094~NTP	ap1-agonist_ratio	Activator	cca	hill
79094	79094~NTP	ap1-agonist_via	Inactive	cca	cnst
79118	79118~NTP	are-bla_ch1	Inactive	PUC	cnst
79118	79118~NTP	are-bla_ch2	Activator	PUC	hill
79118	79118~NTP	are-bla_ratio	Activator	PUC	hill
79118	79118~NTP	are-bla_via	Inactive	PUC	cnst
79196	79196~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
79196	79196~EPA	ap1-agonist_ch2	Activator	cca	hill
79196	79196~EPA	ap1-agonist_ratio	Activator	cca	hill
79196	79196~EPA	ap1-agonist_via	Inactive	cca	cnst
79196	79196~EPA	are-bla_ch1	Inactive	PUC	cnst
79196	79196~EPA	are-bla_ch2	Activator	PUC	hill
79196	79196~EPA	are-bla_ratio	Activator	PUC	hill
79196	79196~EPA	are-bla_via	Inactive	PUC	cnst
79196	79196~EPA	hse-bla_ch1	Inactive	cca	cnst
79196	79196~EPA	hse-bla_ch2	Activator	cca	hill
79196	79196~EPA	hse-bla_ratio	Activator	cca	hill
79196	79196~EPA	hse-bla_via	Inactive	cca	cnst
79196	79196~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
79196	79196~NTP	ap1-agonist_ch2	Activator	cca	gnls
79196	79196~NTP	ap1-agonist_ratio	Activator	cca	gnls
79196	79196~NTP	ap1-agonist_via	Inactive	cca	cnst
79196	79196~NTP	are-bla_ch1	Activator	EUC	hill
79196	79196~NTP	are-bla_ch2	Activator	EUC	gnls
79196	79196~NTP	are-bla_ratio	Activator	EUC	gnls
79196	79196~NTP	are-bla_via	Inactive	EUC	cnst
79196	79196~NTP	hse-bla_ch1	Inactive	cca	cnst
79196	79196~NTP	hse-bla_ch2	Activator	cca	gnls
79196	79196~NTP	hse-bla_ratio	Activator	cca	gnls
79196	79196~NTP	hse-bla_via	Repressor	cca	hill.inv
79307930	79307930~FDA	ap1-agonist_ch1	Inactive	cca	cnst
79307930	79307930~FDA	ap1-agonist_ch2	Activator	cca	hill
79307930	79307930~FDA	ap1-agonist_ratio	Activator	cca	hill
79307930	79307930~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
793248	793248~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
793248	793248~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
793248	793248~NTP	ap1-agonist_ratio	Activator	rfp	hill
793248	793248~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
793248	793248~NTP	are-bla_ch1	Repressor	cca	hill.inv
793248	793248~NTP	are-bla_ch2	Activator	cca	gnls
793248	793248~NTP	are-bla_ratio	Activator	cca	gnls
793248	793248~NTP	are-bla_via	Repressor	cca	hill.inv
793248	793248~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
793248	793248~NTP	hse-bla_ch2	Inactive	rfp	cnst
793248	793248~NTP	hse-bla_ratio	Activator	rfp	hill
793248	793248~NTP	hse-bla_via	Repressor	rfp	hill.inv
793248	793248~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
793248	793248~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
793248	793248~NTP	p53-bla_ratio	Activator	rfp	hill
793248	793248~NTP	p53-bla_via	Repressor	rfp	hill.inv
79558091	79558091~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
79558091	79558091~EPA	p53-bla_ch2	Inactive	rfp	cnst
79558091	79558091~EPA	p53-bla_ratio	Activator	rfp	hill
79558091	79558091~EPA	p53-bla_via	Repressor	rfp	hill.inv
79559970	79559970~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
79559970	79559970~FDA	ap1-agonist_ch2	Activator	cca	gnls
79559970	79559970~FDA	ap1-agonist_ratio	Activator	cca	hill
79559970	79559970~FDA	ap1-agonist_via	Inactive	cca	cnst
79572	79572~EPA	ap1-agonist_ch1	Inactive	cca	cnst
79572	79572~EPA	ap1-agonist_ch2	Activator	cca	hill
79572	79572~EPA	ap1-agonist_ratio	Activator	cca	hill
79572	79572~EPA	ap1-agonist_via	Inactive	cca	cnst
79622596	79622596~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
79622596	79622596~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
79622596	79622596~EPA	ap1-agonist_ratio	Activator	rfp	gnls
79622596	79622596~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
79622596	79622596~EPA	are-bla_ch1	Repressor	rfp	hill.inv
79622596	79622596~EPA	are-bla_ch2	Inactive	rfp	hill.inv
79622596	79622596~EPA	are-bla_ratio	Activator	rfp	gnls
79622596	79622596~EPA	are-bla_via	Repressor	rfp	hill.inv
79622596	79622596~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
79622596	79622596~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
79622596	79622596~EPA	esre-bla_ratio	Activator	rfp	hill
79622596	79622596~EPA	esre-bla_via	Repressor	rfp	hill.inv
79622596	79622596~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
79622596	79622596~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
79622596	79622596~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
79622596	79622596~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
79622596	79622596~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
79622596	79622596~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
79622596	79622596~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
79622596	79622596~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
79622596	79622596~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
79622596	79622596~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
79622596	79622596~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
79622596	79622596~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
79622596	79622596~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
79622596	79622596~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
79622596	79622596~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
79622596	79622596~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
79641	79641~FDA	ap1-agonist_ch1	Inactive	cca	cnst
79641	79641~FDA	ap1-agonist_ch2	Activator	cca	hill
79641	79641~FDA	ap1-agonist_ratio	Activator	cca	hill
79641	79641~FDA	ap1-agonist_via	Inactive	cca	cnst
79641	79641~FDA	are-bla_ch1	Inactive	cca	cnst
79641	79641~FDA	are-bla_ch2	Activator	cca	hill
79641	79641~FDA	are-bla_ratio	Activator	cca	hill
79641	79641~FDA	are-bla_via	Inactive	cca	cnst
79743	79743~EPA	are-bla_ch1	Inactive	EUC	cnst
79743	79743~EPA	are-bla_ch2	Activator	EUC	gnls
79743	79743~EPA	are-bla_ratio	Activator	EUC	gnls
79743	79743~EPA	are-bla_via	Repressor	EUC	hill.inv
79743	79743~EPA	esre-bla_ch1	Inactive	cca	cnst
79743	79743~EPA	esre-bla_ch2	Activator	cca	gnls
79743	79743~EPA	esre-bla_ratio	Activator	cca	gnls
79743	79743~EPA	esre-bla_via	Inactive	cca	cnst
79743	79743~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
79743	79743~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
79743	79743~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
79743	79743~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
79743	79743~EPA	hse-bla_ch1	Repressor	cca	hill.inv
79743	79743~EPA	hse-bla_ch2	Activator	cca	hill
79743	79743~EPA	hse-bla_ratio	Activator	cca	hill
79743	79743~EPA	hse-bla_via	Repressor	cca	hill.inv
79743	79743~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
79743	79743~EPA	p53-bla_ch2	Activator	EOC	hill
79743	79743~EPA	p53-bla_ratio	Activator	EOC	hill
79743	79743~EPA	p53-bla_via	Repressor	EOC	hill.inv
797637	797637~EPA	are-bla_ch1	Inactive	cca	cnst
797637	797637~EPA	are-bla_ch2	Activator	cca	hill
797637	797637~EPA	are-bla_ratio	Activator	cca	hill
797637	797637~EPA	are-bla_via	Inactive	cca	cnst
797637	797637~FDA	are-bla_ch1	Inactive	cca	cnst
797637	797637~FDA	are-bla_ch2	Activator	cca	gnls
797637	797637~FDA	are-bla_ratio	Activator	cca	hill
797637	797637~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
797637	797637~NTP	are-bla_ch1	Inactive	cca	cnst
797637	797637~NTP	are-bla_ch2	Activator	cca	gnls
797637	797637~NTP	are-bla_ratio	Activator	cca	gnls
797637	797637~NTP	are-bla_via	Inactive	cca	cnst
797789005	797789005~NTP	are-bla_ch1	Repressor	cca	hill.inv
797789005	797789005~NTP	are-bla_ch2	Activator	cca	gnls
797789005	797789005~NTP	are-bla_ratio	Activator	cca	gnls
797789005	797789005~NTP	are-bla_via	Inactive	cca	cnst
79794755	79794755~EPA	are-bla_ch1	Repressor	EUC	hill.inv
79794755	79794755~EPA	are-bla_ch2	Activator	EUC	gnls
79794755	79794755~EPA	are-bla_ratio	Activator	EUC	gnls
79794755	79794755~EPA	are-bla_via	Repressor	EUC	hill.inv
79794755	79794755~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
79794755	79794755~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
79794755	79794755~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
79794755	79794755~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
79794755	79794755~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
79794755	79794755~EPA	hse-bla_ch2	Inactive	rfp	cnst
79794755	79794755~EPA	hse-bla_ratio	Activator	rfp	hill
79794755	79794755~EPA	hse-bla_via	Repressor	rfp	hill.inv
79794755	79794755~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
79794755	79794755~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
79794755	79794755~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
79794755	79794755~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
79794755	79794755~FDA	are-bla_ch1	Inactive	cca	cnst
79794755	79794755~FDA	are-bla_ch2	Activator	cca	gnls
79794755	79794755~FDA	are-bla_ratio	Activator	cca	gnls
79794755	79794755~FDA	are-bla_via	Repressor	cca	hill.inv
79794755	79794755~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
79794755	79794755~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
79794755	79794755~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
79794755	79794755~FDA	hre-bla-agonist_via	Inactive	rfp	cnst
79812	79812~EPA	are-bla_ch1	Inactive	cca	cnst
79812	79812~EPA	are-bla_ch2	Activator	cca	hill
79812	79812~EPA	are-bla_ratio	Activator	cca	hill
79812	79812~EPA	are-bla_via	Inactive	cca	cnst
79902639	79902639~EPA	are-bla_ch1	Inactive	cca	cnst
79902639	79902639~EPA	are-bla_ch2	Activator	cca	hill
79902639	79902639~EPA	are-bla_ratio	Activator	cca	hill
79902639	79902639~EPA	are-bla_via	Inactive	cca	cnst
79902639	79902639~FDA	ap1-agonist_ch1	Repressor	rfp	hill.inv
79902639	79902639~FDA	ap1-agonist_ch2	Inactive	rfp	cnst
79902639	79902639~FDA	ap1-agonist_ratio	Activator	rfp	hill
79902639	79902639~FDA	ap1-agonist_via	Repressor	rfp	hill.inv
79902639	79902639~FDA	are-bla_ch1	Inactive	cca	cnst
79902639	79902639~FDA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
79902639	79902639~FDA	are-bla_ratio	Activator	cca	hill
79902639	79902639~FDA	are-bla_via	Inactive	cca	cnst
79944584	79944584~FDA	are-bla_ch1	Repressor	EUC	hill.inv
79944584	79944584~FDA	are-bla_ch2	Activator	EUC	hill
79944584	79944584~FDA	are-bla_ratio	Activator	EUC	hill
79944584	79944584~FDA	are-bla_via	Inactive	EUC	cnst
79947	79947~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
79947	79947~EPA	ap1-agonist_ch2	Activator	cca	gnls
79947	79947~EPA	ap1-agonist_ratio	Activator	cca	gnls
79947	79947~EPA	ap1-agonist_via	Repressor	cca	hill.inv
79947	79947~EPA	are-bla_ch1	Inactive	EUC	cnst
79947	79947~EPA	are-bla_ch2	Activator	EUC	gnls
79947	79947~EPA	are-bla_ratio	Activator	EUC	gnls
79947	79947~EPA	are-bla_via	Repressor	EUC	hill.inv
79947	79947~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
79947	79947~EPA	esre-bla_ch2	Inactive	rfp	cnst
79947	79947~EPA	esre-bla_ratio	Activator	rfp	hill
79947	79947~EPA	esre-bla_via	Repressor	rfp	hill.inv
79947	79947~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
79947	79947~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
79947	79947~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
79947	79947~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
79947	79947~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
79947	79947~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
79947	79947~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
79947	79947~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
79947	79947~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
79947	79947~EPA	p53-bla_ch2	Inactive	rfp	cnst
79947	79947~EPA	p53-bla_ratio	Activator	rfp	hill
79947	79947~EPA	p53-bla_via	Repressor	rfp	hill.inv
79947	79947~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
79947	79947~NTP	ap1-agonist_ch2	Activator	EOC	gnls
79947	79947~NTP	ap1-agonist_ratio	Activator	EOC	hill
79947	79947~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
79947	79947~NTP	are-bla_ch1	Repressor	cca	hill.inv
79947	79947~NTP	are-bla_ch2	Activator	cca	gnls
79947	79947~NTP	are-bla_ratio	Activator	cca	gnls
79947	79947~NTP	are-bla_via	Repressor	cca	hill.inv
79947	79947~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
79947	79947~NTP	esre-bla_ch2	Inactive	rfp	cnst
79947	79947~NTP	esre-bla_ratio	Activator	rfp	hill
79947	79947~NTP	esre-bla_via	Repressor	rfp	hill.inv
79947	79947~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
79947	79947~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
79947	79947~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
79947	79947~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
79947	79947~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
79947	79947~NTP	hse-bla_ch2	Inactive	rfp	cnst
79947	79947~NTP	hse-bla_ratio	Activator	rfp	hill
79947	79947~NTP	hse-bla_via	Inactive	rfp	cnst
79947	79947~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
79947	79947~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
79947	79947~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
79947	79947~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
79947	79947~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
79947	79947~NTP	p53-bla_ch2	Inactive	rfp	cnst
79947	79947~NTP	p53-bla_ratio	Activator	rfp	hill
79947	79947~NTP	p53-bla_via	Repressor	rfp	hill.inv
79958	79958~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
79958	79958~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
79958	79958~EPA	ap1-agonist_ratio	Activator	rfp	hill
79958	79958~EPA	ap1-agonist_via	Inactive	rfp	cnst
79958	79958~EPA	are-bla_ch1	Inactive	cca	cnst
79958	79958~EPA	are-bla_ch2	Activator	cca	gnls
79958	79958~EPA	are-bla_ratio	Activator	cca	gnls
79958	79958~EPA	are-bla_via	Inactive	cca	cnst
79958	79958~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
79958	79958~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
79958	79958~EPA	p53-bla_ratio	Activator	rfp	hill
79958	79958~EPA	p53-bla_via	Repressor	rfp	hill.inv
79958	79958~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
79958	79958~NTP	ap1-agonist_ch2	Activator	PUC	hill
79958	79958~NTP	ap1-agonist_ratio	Activator	PUC	hill
79958	79958~NTP	ap1-agonist_via	Inactive	PUC	cnst
79958	79958~NTP	are-bla_ch1	Inactive	cca	cnst
79958	79958~NTP	are-bla_ch2	Activator	cca	gnls
79958	79958~NTP	are-bla_ratio	Activator	cca	gnls
79958	79958~NTP	are-bla_via	Inactive	cca	cnst
79958	79958~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
79958	79958~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
79958	79958~NTP	p53-bla_ratio	Activator	rfp	hill
79958	79958~NTP	p53-bla_via	Inactive	rfp	cnst
79970	79970~NTP	are-bla_ch1	Inactive	cca	cnst
79970	79970~NTP	are-bla_ch2	Activator	cca	gnls
79970	79970~NTP	are-bla_ratio	Activator	cca	gnls
79970	79970~NTP	are-bla_via	Repressor	cca	hill.inv
79970	79970~NTP	p53-bla_ch1	Repressor	cca	hill.inv
79970	79970~NTP	p53-bla_ch2	Activator	cca	gnls
79970	79970~NTP	p53-bla_ratio	Activator	cca	hill
79970	79970~NTP	p53-bla_via	Inactive	cca	cnst
79983714	79983714~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
79983714	79983714~EPA	ap1-agonist_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
79983714	79983714~EPA	ap1-agonist_ratio	Activator	cca	hill
79983714	79983714~EPA	ap1-agonist_via	Inactive	cca	cnst
79983714	79983714~EPA	are-bla_ch1	Inactive	cca	cnst
79983714	79983714~EPA	are-bla_ch2	Activator	cca	gnls
79983714	79983714~EPA	are-bla_ratio	Activator	cca	gnls
79983714	79983714~EPA	are-bla_via	Repressor	cca	hill.inv
8001352	8001352~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
8001352	8001352~FDA	p53-bla_ch2	Inactive	rfp	cnst
8001352	8001352~FDA	p53-bla_ratio	Activator	rfp	hill
8001352	8001352~FDA	p53-bla_via	Repressor	rfp	hill.inv
8001352	8001352~NTP	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
8001352	8001352~NTP	ap1-agonist_ch2	Activator	EOC/PUC	gnls
8001352	8001352~NTP	ap1-agonist_ratio	Activator	EOC/PUC	hill
8001352	8001352~NTP	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
8001352	8001352~NTP	are-bla_ch1	Repressor	EUC	hill.inv
8001352	8001352~NTP	are-bla_ch2	Activator	EUC	gnls
8001352	8001352~NTP	are-bla_ratio	Activator	EUC	gnls
8001352	8001352~NTP	are-bla_via	Repressor	EUC	hill.inv
8001352	8001352~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
8001352	8001352~NTP	esre-bla_ch2	Inactive	rfp	cnst
8001352	8001352~NTP	esre-bla_ratio	Activator	rfp	hill
8001352	8001352~NTP	esre-bla_via	Repressor	rfp	hill.inv
8001352	8001352~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
8001352	8001352~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
8001352	8001352~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
8001352	8001352~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
8001352	8001352~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
8001352	8001352~NTP	hse-bla_ch2	Inactive	rfp	cnst
8001352	8001352~NTP	hse-bla_ratio	Activator	rfp	hill
8001352	8001352~NTP	hse-bla_via	Repressor	rfp	hill.inv
8001352	8001352~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
8001352	8001352~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
8001352	8001352~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
8001352	8001352~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
8001352	8001352~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
8001352	8001352~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
8001352	8001352~NTP	p53-bla_ratio	Activator	rfp	hill
8001352	8001352~NTP	p53-bla_via	Repressor	rfp	hill.inv
8001501	8001501~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
8001501	8001501~NTP	ap1-agonist_ch2	Activator	cca	gnls
8001501	8001501~NTP	ap1-agonist_ratio	Activator	cca	hill
8001501	8001501~NTP	ap1-agonist_via	Repressor	cca	hill.inv
8001501	8001501~NTP	are-bla_ch1	Repressor	EUC	hill.inv
8001501	8001501~NTP	are-bla_ch2	Activator	EUC	gnls
8001501	8001501~NTP	are-bla_ratio	Activator	EUC	gnls
8001501	8001501~NTP	are-bla_via	Repressor	EUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
8001501	8001501~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
8001501	8001501~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
8001501	8001501~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
8001501	8001501~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
8001501	8001501~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
8001501	8001501~NTP	hse-bla_ch2	Inactive	rfp	cnst
8001501	8001501~NTP	hse-bla_ratio	Activator	rfp	hill
8001501	8001501~NTP	hse-bla_via	Repressor	rfp	hill.inv
8001501	8001501~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
8001501	8001501~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
8001501	8001501~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
8001501	8001501~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
8001501	8001501~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
8001501	8001501~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
8001501	8001501~NTP	p53-bla_ratio	Activator	rfp	hill
8001501	8001501~NTP	p53-bla_via	Repressor	rfp	hill.inv
8001545	8001545~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
8001545	8001545~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
8001545	8001545~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
8001545	8001545~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
8001545	8001545~EPA	are-bla_ch1	Repressor	rfp	hill.inv
8001545	8001545~EPA	are-bla_ch2	Inactive	rfp	hill.inv
8001545	8001545~EPA	are-bla_ratio	Activator	rfp	gnls
8001545	8001545~EPA	are-bla_via	Repressor	rfp	hill.inv
8001545	8001545~EPA	esre-bla_ch1	Complex	rfp	gnls
8001545	8001545~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
8001545	8001545~EPA	esre-bla_ratio	Activator	rfp	hill
8001545	8001545~EPA	esre-bla_via	Repressor	rfp	hill.inv
8001545	8001545~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
8001545	8001545~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
8001545	8001545~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
8001545	8001545~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
8001545	8001545~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
8001545	8001545~EPA	hse-bla_ch2	Inactive	rfp	cnst
8001545	8001545~EPA	hse-bla_ratio	Activator	rfp	hill
8001545	8001545~EPA	hse-bla_via	Repressor	rfp	hill.inv
8001545	8001545~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
8001545	8001545~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
8001545	8001545~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
8001545	8001545~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
8001545	8001545~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
8001545	8001545~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
8001545	8001545~EPA	p53-bla_ratio	Activator	rfp	hill
8001545	8001545~EPA	p53-bla_via	Repressor	rfp	hill.inv
8003223	8003223~NTP	are-bla_ch1	Repressor	cca	gnls.inv
8003223	8003223~NTP	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
8003223	8003223~NTP	are-bla_ratio	Activator	cca	gnls
8003223	8003223~NTP	are-bla_via	Inactive	cca	cnst
8004873	8004873~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
8004873	8004873~FDA	p53-bla_ch2	Inactive	rfp	cnst
8004873	8004873~FDA	p53-bla_ratio	Activator	rfp	hill
8004873	8004873~FDA	p53-bla_via	Repressor	rfp	hill.inv
8004920	8004920~EPA	are-bla_ch1	Repressor	cca	hill.inv
8004920	8004920~EPA	are-bla_ch2	Activator	cca	hill
8004920	8004920~EPA	are-bla_ratio	Activator	cca	hill
8004920	8004920~EPA	are-bla_via	Inactive	cca	cnst
80057	80057~EPA	are-bla_ch1	Inactive	EUC	cnst
80057	80057~EPA	are-bla_ch2	Activator	EUC	hill
80057	80057~EPA	are-bla_ratio	Activator	EUC	hill
80057	80057~EPA	are-bla_via	Inactive	EUC	cnst
80057	80057~FDA	are-bla_ch1	Inactive	cca	cnst
80057	80057~FDA	are-bla_ch2	Activator	cca	hill
80057	80057~FDA	are-bla_ratio	Activator	cca	hill
80057	80057~FDA	are-bla_via	Inactive	cca	cnst
80057	80057~NTP	are-bla_ch1	Inactive	EUC	cnst
80057	80057~NTP	are-bla_ch2	Activator	EUC	hill
80057	80057~NTP	are-bla_ratio	Activator	EUC	hill
80057	80057~NTP	are-bla_via	Inactive	EUC	cnst
80068	80068~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
80068	80068~EPA	ap1-agonist_ch2	Activator	cca	gnls
80068	80068~EPA	ap1-agonist_ratio	Activator	cca	hill
80068	80068~EPA	ap1-agonist_via	Repressor	cca	hill.inv
80137	80137~NTP	are-bla_ch1	Inactive	cca	cnst
80137	80137~NTP	are-bla_ch2	Activator	cca	hill
80137	80137~NTP	are-bla_ratio	Activator	cca	hill
80137	80137~NTP	are-bla_via	Inactive	cca	cnst
80159	80159~EPA	are-bla_ch1	Inactive	rfp	cnst
80159	80159~EPA	are-bla_ch2	Inactive	rfp	cnst
80159	80159~EPA	are-bla_ratio	Activator	rfp	hill
80159	80159~EPA	are-bla_via	Repressor	rfp	hill.inv
8018017	8018017~EPA	ap1-agonist_ch1	Inactive	cca	cnst
8018017	8018017~EPA	ap1-agonist_ch2	Activator	cca	hill
8018017	8018017~EPA	ap1-agonist_ratio	Activator	cca	hill
8018017	8018017~EPA	ap1-agonist_via	Inactive	cca	cnst
8018017	8018017~EPA	are-bla_ch1	Inactive	cca	cnst
8018017	8018017~EPA	are-bla_ch2	Activator	cca	hill
8018017	8018017~EPA	are-bla_ratio	Activator	cca	hill
8018017	8018017~EPA	are-bla_via	Inactive	cca	cnst
8028486	8028486~EPA	are-bla_ch1	Repressor	cca	hill.inv
8028486	8028486~EPA	are-bla_ch2	Activator	cca	hill
8028486	8028486~EPA	are-bla_ratio	Activator	cca	hill
8028486	8028486~EPA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
804364	804364~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
804364	804364~FDA	ap1-agonist_ch2	Activator	cca	gnls
804364	804364~FDA	ap1-agonist_ratio	Activator	cca	gnls
804364	804364~FDA	ap1-agonist_via	Repressor	cca	hill.inv
804364	804364~FDA	are-bla_ch1	Repressor	cca	hill.inv
804364	804364~FDA	are-bla_ch2	Activator	cca	gnls
804364	804364~FDA	are-bla_ratio	Activator	cca	gnls
804364	804364~FDA	are-bla_via	Repressor	cca	hill.inv
804364	804364~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
804364	804364~FDA	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
804364	804364~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
804364	804364~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
804364	804364~FDA	hse-bla_ch1	Repressor	cca	hill.inv
804364	804364~FDA	hse-bla_ch2	Activator	cca	gnls
804364	804364~FDA	hse-bla_ratio	Activator	cca	gnls
804364	804364~FDA	hse-bla_via	Repressor	cca	hill.inv
804364	804364~FDA	p53-bla_ch1	Repressor	EOC	gnls.inv
804364	804364~FDA	p53-bla_ch2	Activator	EOC	gnls
804364	804364~FDA	p53-bla_ratio	Activator	EOC	gnls
804364	804364~FDA	p53-bla_via	Repressor	EOC	hill.inv
8046193	8046193~NTP	are-bla_ch1	Inactive	cca	cnst
8046193	8046193~NTP	are-bla_ch2	Activator	cca	hill
8046193	8046193~NTP	are-bla_ratio	Activator	cca	hill
8046193	8046193~NTP	are-bla_via	Inactive	cca	cnst
80466	80466~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
80466	80466~EPA	ap1-agonist_ch2	Activator	EOC	hill
80466	80466~EPA	ap1-agonist_ratio	Activator	EOC	hill
80466	80466~EPA	ap1-agonist_via	Inactive	EOC	cnst
80466	80466~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
80466	80466~NTP	ap1-agonist_ch2	Activator	EOC	hill
80466	80466~NTP	ap1-agonist_ratio	Activator	EOC	hill
80466	80466~NTP	ap1-agonist_via	Inactive	EOC	cnst
80809810	80809810~FDA	are-bla_ch1	Inactive	EUC	cnst
80809810	80809810~FDA	are-bla_ch2	Activator	EUC	hill
80809810	80809810~FDA	are-bla_ratio	Activator	EUC	hill
80809810	80809810~FDA	are-bla_via	Inactive	EUC	cnst
808264	808264~FDA	esre-bla_ch1	Activator	rfn	hill
808264	808264~FDA	esre-bla_ch2	Activator	rfn	hill
808264	808264~FDA	esre-bla_ratio	Inactive	rfn	cnst
808264	808264~FDA	esre-bla_via	Inactive	rfn	cnst
81163	81163~NTP	are-bla_ch1	Repressor	cca	hill.inv
81163	81163~NTP	are-bla_ch2	Activator	cca	hill
81163	81163~NTP	are-bla_ratio	Activator	cca	hill
81163	81163~NTP	are-bla_via	Inactive	cca	cnst
81209	81209~EPA	hse-bla_ch1	Inactive	rfn	cnst
81209	81209~EPA	hse-bla_ch2	Activator	rfn	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
81209	81209~EPA	hse-bla_ratio	Inactive	rfn	cnst
81209	81209~EPA	hse-bla_via	Inactive	rfn	cnst
81403681	81403681~FDA	are-bla_ch1	Repressor	EOC	hill.inv
81403681	81403681~FDA	are-bla_ch2	Activator	EOC	hill
81403681	81403681~FDA	are-bla_ratio	Activator	EOC	hill
81403681	81403681~FDA	are-bla_via	Inactive	EOC	cnst
81406373	81406373~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
81406373	81406373~EPA	ap1-agonist_ch2	Activator	EOC	gnls
81406373	81406373~EPA	ap1-agonist_ratio	Activator	EOC	hill
81406373	81406373~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
81549	81549~EPA	are-bla_ch1	Repressor	cca	hill.inv
81549	81549~EPA	are-bla_ch2	Activator	cca	gnls
81549	81549~EPA	are-bla_ratio	Activator	cca	hill
81549	81549~EPA	are-bla_via	Inactive	cca	cnst
81550	81550~NTP	are-bla_ch1	Repressor	EOC/PUC	gnls.inv
81550	81550~NTP	are-bla_ch2	Activator	EOC/PUC	gnls
81550	81550~NTP	are-bla_ratio	Activator	EOC/PUC	gnls
81550	81550~NTP	are-bla_via	Repressor	EOC/PUC	hill.inv
81550	81550~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
81550	81550~NTP	esre-bla_ch2	Inactive	rfp	cnst
81550	81550~NTP	esre-bla_ratio	Activator	rfp	hill
81550	81550~NTP	esre-bla_via	Repressor	rfp	hill.inv
81550	81550~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
81550	81550~NTP	hre-bla-agonist_ch2	Inactive	rfp	hill.inv
81550	81550~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
81550	81550~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
81550	81550~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
81550	81550~NTP	hse-bla_ch2	Inactive	rfp	hill.inv
81550	81550~NTP	hse-bla_ratio	Activator	rfp	hill
81550	81550~NTP	hse-bla_via	Repressor	rfp	hill.inv
81550	81550~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
81550	81550~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
81550	81550~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
81550	81550~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
81641	81641~EPA	are-bla_ch1	Repressor	EUC	hill.inv
81641	81641~EPA	are-bla_ch2	Activator	EUC	gnls
81641	81641~EPA	are-bla_ratio	Activator	EUC	gnls
81641	81641~EPA	are-bla_via	Inactive	EUC	cnst
81741288	81741288~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
81741288	81741288~EPA	ap1-agonist_ch2	Activator	EOC	gnls
81741288	81741288~EPA	ap1-agonist_ratio	Activator	EOC	gnls
81741288	81741288~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
81741288	81741288~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
81741288	81741288~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
81741288	81741288~EPA	esre-bla_ratio	Activator	rfp	hill
81741288	81741288~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
81741288	81741288~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
81741288	81741288~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
81741288	81741288~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
81741288	81741288~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
81741288	81741288~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
81741288	81741288~EPA	hse-bla_ch2	Inactive	rfp	cnst
81741288	81741288~EPA	hse-bla_ratio	Activator	rfp	hill
81741288	81741288~EPA	hse-bla_via	Repressor	rfp	hill.inv
81741288	81741288~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
81741288	81741288~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
81741288	81741288~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
81741288	81741288~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
81741288	81741288~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
81741288	81741288~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
81741288	81741288~EPA	p53-bla_ratio	Activator	rfp	hill
81741288	81741288~EPA	p53-bla_via	Repressor	rfp	hill.inv
81741288	81741288~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
81741288	81741288~NTP	ap1-agonist_ch2	Activator	EOC	gnls
81741288	81741288~NTP	ap1-agonist_ratio	Activator	EOC	gnls
81741288	81741288~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
81741288	81741288~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
81741288	81741288~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
81741288	81741288~NTP	esre-bla_ratio	Activator	rfp	hill
81741288	81741288~NTP	esre-bla_via	Repressor	rfp	hill.inv
81741288	81741288~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
81741288	81741288~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
81741288	81741288~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
81741288	81741288~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
81741288	81741288~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
81741288	81741288~NTP	hse-bla_ch2	Inactive	rfp	cnst
81741288	81741288~NTP	hse-bla_ratio	Activator	rfp	hill
81741288	81741288~NTP	hse-bla_via	Repressor	rfp	hill.inv
81741288	81741288~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
81741288	81741288~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
81741288	81741288~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
81741288	81741288~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
81741288	81741288~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
81741288	81741288~NTP	p53-bla_ch2	Inactive	rfp	gnls.inv
81741288	81741288~NTP	p53-bla_ratio	Activator	rfp	hill
81741288	81741288~NTP	p53-bla_via	Repressor	rfp	hill.inv
81777891	81777891~EPA	are-bla_ch1	Inactive	cca	cnst
81777891	81777891~EPA	are-bla_ch2	Activator	cca	hill
81777891	81777891~EPA	are-bla_ratio	Activator	cca	hill
81777891	81777891~EPA	are-bla_via	Inactive	cca	cnst
81834	81834~EPA	are-bla_ch1	Repressor	cca	hill.inv
81834	81834~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
81834	81834~EPA	are-bla_ratio	Activator	cca	hill
81834	81834~EPA	are-bla_via	Inactive	cca	cnst
81845	81845~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
81845	81845~NTP	ap1-agonist_ch2	Activator	cca	hill
81845	81845~NTP	ap1-agonist_ratio	Activator	cca	hill
81845	81845~NTP	ap1-agonist_via	Inactive	cca	cnst
818611	818611~EPA	are-bla_ch1	Repressor	cca	hill.inv
818611	818611~EPA	are-bla_ch2	Activator	cca	hill
818611	818611~EPA	are-bla_ratio	Activator	cca	hill
818611	818611~EPA	are-bla_via	Inactive	cca	cnst
818611	818611~NTP	are-bla_ch1	Inactive	cca	cnst
818611	818611~NTP	are-bla_ch2	Activator	cca	hill
818611	818611~NTP	are-bla_ratio	Activator	cca	hill
818611	818611~NTP	are-bla_via	Inactive	cca	cnst
81889	81889~EPA	ap1-agonist_ch1	Inactive	cca	cnst
81889	81889~EPA	ap1-agonist_ch2	Activator	cca	hill
81889	81889~EPA	ap1-agonist_ratio	Activator	cca	hill
81889	81889~EPA	ap1-agonist_via	Inactive	cca	cnst
81889	81889~EPA	are-bla_ch1	Repressor	cca	hill.inv
81889	81889~EPA	are-bla_ch2	Activator	cca	hill
81889	81889~EPA	are-bla_ratio	Activator	cca	hill
81889	81889~EPA	are-bla_via	Inactive	cca	cnst
81995097	81995097~NTP	are-bla_ch1	Repressor	cca	hill.inv
81995097	81995097~NTP	are-bla_ch2	Activator	cca	gnls
81995097	81995097~NTP	are-bla_ratio	Activator	cca	gnls
81995097	81995097~NTP	are-bla_via	Repressor	cca	hill.inv
81995097	81995097~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
81995097	81995097~NTP	p53-bla_ch2	Inactive	rfp	cnst
81995097	81995097~NTP	p53-bla_ratio	Activator	rfp	hill
81995097	81995097~NTP	p53-bla_via	Inactive	rfp	cnst
82034466	82034466~FDA	ap1-agonist_ch1	Inactive	cca	cnst
82034466	82034466~FDA	ap1-agonist_ch2	Activator	cca	hill
82034466	82034466~FDA	ap1-agonist_ratio	Activator	cca	hill
82034466	82034466~FDA	ap1-agonist_via	Inactive	cca	cnst
82034466	82034466~FDA	are-bla_ch1	Inactive	EUC	cnst
82034466	82034466~FDA	are-bla_ch2	Activator	EUC	hill
82034466	82034466~FDA	are-bla_ratio	Activator	EUC	hill
82034466	82034466~FDA	are-bla_via	Inactive	EUC	cnst
82034466	82034466~FDA	esre-bla_ch1	Activator	rfn	hill
82034466	82034466~FDA	esre-bla_ch2	Activator	rfn	hill
82034466	82034466~FDA	esre-bla_ratio	Inactive	rfn	cnst
82034466	82034466~FDA	esre-bla_via	Inactive	rfn	cnst
821067	821067~NTP	are-bla_ch1	Inactive	cca	cnst
821067	821067~NTP	are-bla_ch2	Activator	cca	hill
821067	821067~NTP	are-bla_ratio	Activator	cca	hill
821067	821067~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
82186774	82186774~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
82186774	82186774~FDA	ap1-agonist_ch2	Activator	cca	hill
82186774	82186774~FDA	ap1-agonist_ratio	Activator	cca	hill
82186774	82186774~FDA	ap1-agonist_via	Inactive	cca	cnst
82248597	82248597~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
82248597	82248597~FDA	ap1-agonist_ch2	Activator	cca	hill
82248597	82248597~FDA	ap1-agonist_ratio	Activator	cca	hill
82248597	82248597~FDA	ap1-agonist_via	Inactive	cca	cnst
82280	82280~EPA	are-bla_ch1	Inactive	cca	cnst
82280	82280~EPA	are-bla_ch2	Activator	cca	hill
82280	82280~EPA	are-bla_ratio	Activator	cca	hill
82280	82280~EPA	are-bla_via	Inactive	cca	cnst
82280	82280~NTP	are-bla_ch1	Inactive	cca	cnst
82280	82280~NTP	are-bla_ch2	Activator	cca	hill
82280	82280~NTP	are-bla_ratio	Activator	cca	hill
82280	82280~NTP	are-bla_via	Inactive	cca	cnst
82318067	82318067~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
82318067	82318067~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
82318067	82318067~FDA	p53-bla_ratio	Activator	rfp	hill
82318067	82318067~FDA	p53-bla_via	Repressor	rfp	hill.inv
82558507	82558507~NTP	are-bla_ch1	Inactive	cca	cnst
82558507	82558507~NTP	are-bla_ch2	Activator	cca	hill
82558507	82558507~NTP	are-bla_ratio	Activator	cca	hill
82558507	82558507~NTP	are-bla_via	Inactive	cca	cnst
82560541	82560541~EPA	hse-bla_ch1	Repressor	cca	hill.inv
82560541	82560541~EPA	hse-bla_ch2	Activator	cca	hill
82560541	82560541~EPA	hse-bla_ratio	Activator	cca	hill
82560541	82560541~EPA	hse-bla_via	Inactive	cca	cnst
825643570	825643570~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
825643570	825643570~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
825643570	825643570~EPA	ap1-agonist_ratio	Activator	rfp	hill
825643570	825643570~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
825643570	825643570~EPA	are-bla_ch1	Repressor	cca	hill.inv
825643570	825643570~EPA	are-bla_ch2	Activator	cca	gnls
825643570	825643570~EPA	are-bla_ratio	Activator	cca	gnls
825643570	825643570~EPA	are-bla_via	Repressor	cca	hill.inv
825643570	825643570~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
825643570	825643570~EPA	hse-bla_ch2	Inactive	rfp	cnst
825643570	825643570~EPA	hse-bla_ratio	Activator	rfp	hill
825643570	825643570~EPA	hse-bla_via	Repressor	rfp	hill.inv
825643570	825643570~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
825643570	825643570~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
825643570	825643570~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
825643570	825643570~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
825643570	825643570~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
825643570	825643570~EPA	p53-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
825643570	825643570~EPA	p53-bla_ratio	Activator	rfp	hill
825643570	825643570~EPA	p53-bla_via	Repressor	rfp	hill.inv
82586558	82586558~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
82586558	82586558~FDA	ap1-agonist_ch2	Activator	cca	hill
82586558	82586558~FDA	ap1-agonist_ratio	Activator	cca	hill
82586558	82586558~FDA	ap1-agonist_via	Inactive	cca	cnst
82626015	82626015~FDA	are-bla_ch1	Inactive	cca	cnst
82626015	82626015~FDA	are-bla_ch2	Activator	cca	hill
82626015	82626015~FDA	are-bla_ratio	Activator	cca	hill
82626015	82626015~FDA	are-bla_via	Inactive	cca	cnst
82640048	82640048~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
82640048	82640048~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
82640048	82640048~EPA	ap1-agonist_ratio	Activator	rfp	hill
82640048	82640048~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
82640048	82640048~EPA	are-bla_ch1	Repressor	rfn	hill.inv
82640048	82640048~EPA	are-bla_ch2	Activator	rfn	gnls
82640048	82640048~EPA	are-bla_ratio	Inactive	rfn	cnst
82640048	82640048~EPA	are-bla_via	Repressor	rfn	hill.inv
82640048	82640048~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
82640048	82640048~EPA	esre-bla_ch2	Inactive	rfp	cnst
82640048	82640048~EPA	esre-bla_ratio	Activator	rfp	hill
82640048	82640048~EPA	esre-bla_via	Inactive	rfp	cnst
82640048	82640048~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
82640048	82640048~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
82640048	82640048~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
82640048	82640048~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
82640048	82640048~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
82640048	82640048~EPA	hse-bla_ch2	Inactive	rfp	cnst
82640048	82640048~EPA	hse-bla_ratio	Activator	rfp	hill
82640048	82640048~EPA	hse-bla_via	Inactive	rfp	cnst
82640048	82640048~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
82640048	82640048~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
82640048	82640048~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
82640048	82640048~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
82640048	82640048~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
82640048	82640048~EPA	p53-bla_ch2	Activator	EOC	gnls
82640048	82640048~EPA	p53-bla_ratio	Activator	EOC	hill
82640048	82640048~EPA	p53-bla_via	Repressor	EOC	hill.inv
82640048	82640048~FDA	are-bla_ch1	Repressor	rfn	hill.inv
82640048	82640048~FDA	are-bla_ch2	Activator	rfn	gnls
82640048	82640048~FDA	are-bla_ratio	Inactive	rfn	hill.inv
82640048	82640048~FDA	are-bla_via	Repressor	rfn	hill.inv
82640048	82640048~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
82640048	82640048~FDA	p53-bla_ch2	Activator	EOC	gnls
82640048	82640048~FDA	p53-bla_ratio	Activator	EOC	hill
82640048	82640048~FDA	p53-bla_via	Repressor	EOC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
82657043	82657043~EPA	p53-bla_ch1	Activator	rfn	hill
82657043	82657043~EPA	p53-bla_ch2	Activator	rfn	hill
82657043	82657043~EPA	p53-bla_ratio	Inactive	rfn	cnst
82657043	82657043~EPA	p53-bla_via	Inactive	rfn	cnst
82666	82666~FDA	are-bla_ch1	Inactive	rfn	cnst
82666	82666~FDA	are-bla_ch2	Activator	rfn	hill
82666	82666~FDA	are-bla_ratio	Inactive	rfn	cnst
82666	82666~FDA	are-bla_via	Repressor	rfn	hill.inv
82688	82688~EPA	are-bla_ch1	Repressor	cca	gnls.inv
82688	82688~EPA	are-bla_ch2	Activator	cca	hill
82688	82688~EPA	are-bla_ratio	Activator	cca	gnls
82688	82688~EPA	are-bla_via	Inactive	cca	cnst
82688	82688~NTP	are-bla_ch1	Repressor	EUC/POC	hill.inv
82688	82688~NTP	are-bla_ch2	Activator	EUC/POC	hill
82688	82688~NTP	are-bla_ratio	Activator	EUC/POC	hill
82688	82688~NTP	are-bla_via	Inactive	EUC/POC	cnst
82752996	82752996~FDA	are-bla_ch1	Activator	cca	hill
82752996	82752996~FDA	are-bla_ch2	Activator	cca	gnls
82752996	82752996~FDA	are-bla_ratio	Activator	cca	gnls
82752996	82752996~FDA	are-bla_via	Repressor	cca	hill.inv
828002	828002~EPA	are-bla_ch1	Inactive	cca	cnst
828002	828002~EPA	are-bla_ch2	Activator	cca	hill
828002	828002~EPA	are-bla_ratio	Activator	cca	hill
828002	828002~EPA	are-bla_via	Inactive	cca	cnst
82860	82860~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
82860	82860~NTP	ap1-agonist_ch2	Activator	EOC	hill
82860	82860~NTP	ap1-agonist_ratio	Activator	EOC	gnls
82860	82860~NTP	ap1-agonist_via	Inactive	EOC	cnst
82860	82860~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
82860	82860~NTP	p53-bla_ch2	Inactive	rfp	cnst
82860	82860~NTP	p53-bla_ratio	Activator	rfp	gnls
82860	82860~NTP	p53-bla_via	Inactive	rfp	cnst
82956114	82956114~FDA	are-bla_ch1	Inactive	cca	cnst
82956114	82956114~FDA	are-bla_ch2	Activator	cca	hill
82956114	82956114~FDA	are-bla_ratio	Activator	cca	hill
82956114	82956114~FDA	are-bla_via	Inactive	cca	cnst
82995	82995~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
82995	82995~FDA	ap1-agonist_ch2	Activator	cca	hill
82995	82995~FDA	ap1-agonist_ratio	Activator	cca	hill
82995	82995~FDA	ap1-agonist_via	Inactive	cca	cnst
82995	82995~FDA	hse-bla_ch1	Repressor	cca	hill.inv
82995	82995~FDA	hse-bla_ch2	Activator	cca	gnls
82995	82995~FDA	hse-bla_ratio	Activator	cca	gnls
82995	82995~FDA	hse-bla_via	Inactive	cca	cnst
83164334	83164334~EPA	ap1-agonist_ch1	Inactive	cca	cnst
83164334	83164334~EPA	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
83164334	83164334~EPA	ap1-agonist_ratio	Activator	cca	hill
83164334	83164334~EPA	ap1-agonist_via	Inactive	cca	cnst
831823	831823~EPA	are-bla_ch1	Inactive	cca	cnst
831823	831823~EPA	are-bla_ch2	Activator	cca	hill
831823	831823~EPA	are-bla_ratio	Activator	cca	hill
831823	831823~EPA	are-bla_via	Inactive	cca	cnst
83261	83261~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
83261	83261~NTP	p53-bla_ch2	Inactive	rfp	cnst
83261	83261~NTP	p53-bla_ratio	Activator	rfp	hill
83261	83261~NTP	p53-bla_via	Inactive	rfp	cnst
834286	834286~EPA	are-bla_ch1	Inactive	cca	cnst
834286	834286~EPA	are-bla_ch2	Activator	cca	hill
834286	834286~EPA	are-bla_ratio	Activator	cca	gnls
834286	834286~EPA	are-bla_via	Inactive	cca	cnst
834286	834286~FDA	are-bla_ch1	Inactive	cca	cnst
834286	834286~FDA	are-bla_ch2	Activator	cca	gnls
834286	834286~FDA	are-bla_ratio	Activator	cca	hill
834286	834286~FDA	are-bla_via	Inactive	cca	cnst
834286	834286~NTP	are-bla_ch1	Repressor	cca	hill.inv
834286	834286~NTP	are-bla_ch2	Activator	cca	gnls
834286	834286~NTP	are-bla_ratio	Activator	cca	gnls
834286	834286~NTP	are-bla_via	Inactive	cca	cnst
83567	83567~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
83567	83567~NTP	ap1-agonist_ch2	Activator	cca	gnls
83567	83567~NTP	ap1-agonist_ratio	Activator	cca	gnls
83567	83567~NTP	ap1-agonist_via	Repressor	cca	hill.inv
836306	836306~NTP	are-bla_ch1	Activator	rfn	hill
836306	836306~NTP	are-bla_ch2	Activator	rfn	hill
836306	836306~NTP	are-bla_ratio	Inactive	rfn	cnst
836306	836306~NTP	are-bla_via	Inactive	rfn	cnst
83657243	83657243~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
83657243	83657243~EPA	ap1-agonist_ch2	Activator	cca	gnls
83657243	83657243~EPA	ap1-agonist_ratio	Activator	cca	hill
83657243	83657243~EPA	ap1-agonist_via	Inactive	cca	cnst
83657243	83657243~EPA	are-bla_ch1	Inactive	cca	cnst
83657243	83657243~EPA	are-bla_ch2	Activator	cca	hill
83657243	83657243~EPA	are-bla_ratio	Activator	cca	gnls
83657243	83657243~EPA	are-bla_via	Repressor	cca	hill.inv
83670	83670~EPA	are-bla_ch1	Inactive	cca	cnst
83670	83670~EPA	are-bla_ch2	Activator	cca	hill
83670	83670~EPA	are-bla_ratio	Activator	cca	hill
83670	83670~EPA	are-bla_via	Inactive	cca	cnst
83738	83738~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
83738	83738~FDA	ap1-agonist_ch2	Activator	cca	gnls
83738	83738~FDA	ap1-agonist_ratio	Activator	cca	gnls
83738	83738~FDA	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
83738	83738~FDA	p53-bla_ch1	Inactive	cca	cnst
83738	83738~FDA	p53-bla_ch2	Activator	cca	hill
83738	83738~FDA	p53-bla_ratio	Activator	cca	gnls
83738	83738~FDA	p53-bla_via	Repressor	cca	hill.inv
83783691	83783691~FDA	are-bla_ch1	Repressor	rfp	hill.inv
83783691	83783691~FDA	are-bla_ch2	Inactive	rfp	cnst
83783691	83783691~FDA	are-bla_ratio	Activator	rfp	hill
83783691	83783691~FDA	are-bla_via	Inactive	rfp	cnst
83783691	83783691~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
83783691	83783691~FDA	esre-bla_ch2	Inactive	rfp	cnst
83783691	83783691~FDA	esre-bla_ratio	Activator	rfp	hill
83783691	83783691~FDA	esre-bla_via	Inactive	rfp	cnst
83794	83794~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
83794	83794~EPA	ap1-agonist_ch2	Activator	cca	gnls
83794	83794~EPA	ap1-agonist_ratio	Activator	cca	gnls
83794	83794~EPA	ap1-agonist_via	Inactive	cca	cnst
83794	83794~EPA	are-bla_ch1	Inactive	EUC	cnst
83794	83794~EPA	are-bla_ch2	Activator	EUC	gnls
83794	83794~EPA	are-bla_ratio	Activator	EUC	gnls
83794	83794~EPA	are-bla_via	Repressor	EUC	hill.inv
83794	83794~EPA	p53-bla_ch1	Repressor	cca	hill.inv
83794	83794~EPA	p53-bla_ch2	Activator	cca	gnls
83794	83794~EPA	p53-bla_ratio	Activator	cca	gnls
83794	83794~EPA	p53-bla_via	Inactive	cca	cnst
83794	83794~FDA	are-bla_ch1	Complex	cca	gnls.inv
83794	83794~FDA	are-bla_ch2	Activator	cca	gnls
83794	83794~FDA	are-bla_ratio	Activator	cca	gnls
83794	83794~FDA	are-bla_via	Repressor	cca	hill.inv
83794	83794~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
83794	83794~FDA	p53-bla_ch2	Activator	EUC	gnls
83794	83794~FDA	p53-bla_ratio	Activator	EUC	gnls
83794	83794~FDA	p53-bla_via	Inactive	EUC	cnst
83794	83794~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
83794	83794~NTP	ap1-agonist_ch2	Activator	cca	gnls
83794	83794~NTP	ap1-agonist_ratio	Activator	cca	gnls
83794	83794~NTP	ap1-agonist_via	Inactive	cca	cnst
83794	83794~NTP	are-bla_ch1	Activator	cca	hill
83794	83794~NTP	are-bla_ch2	Activator	cca	gnls
83794	83794~NTP	are-bla_ratio	Activator	cca	gnls
83794	83794~NTP	are-bla_via	Repressor	cca	hill.inv
83794	83794~NTP	p53-bla_ch1	Repressor	cca	hill.inv
83794	83794~NTP	p53-bla_ch2	Activator	cca	gnls
83794	83794~NTP	p53-bla_ratio	Activator	cca	gnls
83794	83794~NTP	p53-bla_via	Inactive	cca	cnst
83881521	83881521~EPA	are-bla_ch1	Inactive	cca	cnst
83881521	83881521~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
83881521	83881521~EPA	are-bla_ratio	Activator	cca	hill
83881521	83881521~EPA	are-bla_via	Inactive	cca	cnst
83919237	83919237~FDA	are-bla_ch1	Inactive	cca	cnst
83919237	83919237~FDA	are-bla_ch2	Activator	cca	hill
83919237	83919237~FDA	are-bla_ratio	Activator	cca	hill
83919237	83919237~FDA	are-bla_via	Inactive	cca	cnst
83919237	83919237~FDA	esre-bla_ch1	Activator	cca	hill
83919237	83919237~FDA	esre-bla_ch2	Activator	cca	hill
83919237	83919237~FDA	esre-bla_ratio	Activator	cca	hill
83919237	83919237~FDA	esre-bla_via	Inactive	cca	cnst
83919237	83919237~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
83919237	83919237~FDA	hre-bla-agonist_ch2	Activator	cca	hill
83919237	83919237~FDA	hre-bla-agonist_ratio	Activator	cca	hill
83919237	83919237~FDA	hre-bla-agonist_via	Repressor	cca	hill.inv
839907	839907~EPA	hse-bla_ch1	Repressor	cca	hill.inv
839907	839907~EPA	hse-bla_ch2	Activator	cca	gnls
839907	839907~EPA	hse-bla_ratio	Activator	cca	hill
839907	839907~EPA	hse-bla_via	Repressor	cca	hill.inv
840653	840653~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
840653	840653~NTP	ap1-agonist_ch2	Activator	cca	hill
840653	840653~NTP	ap1-agonist_ratio	Activator	cca	hill
840653	840653~NTP	ap1-agonist_via	Inactive	cca	cnst
84128	84128~FDA	p53-bla_ch1	Repressor	cca	gnls.inv
84128	84128~FDA	p53-bla_ch2	Activator	cca	gnls
84128	84128~FDA	p53-bla_ratio	Activator	cca	gnls
84128	84128~FDA	p53-bla_via	Inactive	cca	cnst
84151	84151~NTP	ap1-agonist_ch1	Repressor	EUC	hill.inv
84151	84151~NTP	ap1-agonist_ch2	Activator	EUC	gnls
84151	84151~NTP	ap1-agonist_ratio	Activator	EUC	hill
84151	84151~NTP	ap1-agonist_via	Inactive	EUC	cnst
84162	84162~EPA	are-bla_ch1	Repressor	EUC	hill.inv
84162	84162~EPA	are-bla_ch2	Activator	EUC	gnls
84162	84162~EPA	are-bla_ratio	Activator	EUC	gnls
84162	84162~EPA	are-bla_via	Repressor	EUC	hill.inv
84162	84162~EPA	p53-bla_ch1	Repressor	PUC	hill.inv
84162	84162~EPA	p53-bla_ch2	Activator	PUC	gnls
84162	84162~EPA	p53-bla_ratio	Activator	PUC	hill
84162	84162~EPA	p53-bla_via	Repressor	PUC	hill.inv
84162	84162~FDA	are-bla_ch1	Inactive	cca	cnst
84162	84162~FDA	are-bla_ch2	Activator	cca	gnls
84162	84162~FDA	are-bla_ratio	Activator	cca	gnls
84162	84162~FDA	are-bla_via	Inactive	cca	cnst
84162	84162~FDA	p53-bla_ch1	Inactive	cca	cnst
84162	84162~FDA	p53-bla_ch2	Activator	cca	gnls
84162	84162~FDA	p53-bla_ratio	Activator	cca	gnls
84162	84162~FDA	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
84173	84173~FDA	are-bla_ch1	Repressor	cca	hill.inv
84173	84173~FDA	are-bla_ch2	Activator	cca	gnls
84173	84173~FDA	are-bla_ratio	Activator	cca	hill
84173	84173~FDA	are-bla_via	Inactive	cca	cnst
84173	84173~FDA	p53-bla_ch1	Inactive	cca	cnst
84173	84173~FDA	p53-bla_ch2	Activator	cca	gnls
84173	84173~FDA	p53-bla_ratio	Activator	cca	gnls
84173	84173~FDA	p53-bla_via	Inactive	cca	cnst
84195	84195~FDA	are-bla_ch1	Inactive	cca	cnst
84195	84195~FDA	are-bla_ch2	Activator	cca	hill
84195	84195~FDA	are-bla_ratio	Activator	cca	hill
84195	84195~FDA	are-bla_via	Inactive	cca	cnst
842079	842079~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
842079	842079~EPA	ap1-agonist_ch2	Activator	cca	hill
842079	842079~EPA	ap1-agonist_ratio	Activator	cca	hill
842079	842079~EPA	ap1-agonist_via	Inactive	cca	cnst
842079	842079~EPA	are-bla_ch1	Repressor	cca	hill.inv
842079	842079~EPA	are-bla_ch2	Activator	cca	gnls
842079	842079~EPA	are-bla_ratio	Activator	cca	gnls
842079	842079~EPA	are-bla_via	Inactive	cca	cnst
842079	842079~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
842079	842079~NTP	ap1-agonist_ch2	Activator	cca	hill
842079	842079~NTP	ap1-agonist_ratio	Activator	cca	hill
842079	842079~NTP	ap1-agonist_via	Inactive	cca	cnst
842079	842079~NTP	are-bla_ch1	Repressor	EOC/PUC	hill.inv
842079	842079~NTP	are-bla_ch2	Activator	EOC/PUC	gnls
842079	842079~NTP	are-bla_ratio	Activator	EOC/PUC	gnls
842079	842079~NTP	are-bla_via	Inactive	EOC/PUC	cnst
843550	843550~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
843550	843550~NTP	ap1-agonist_ch2	Activator	cca	gnls
843550	843550~NTP	ap1-agonist_ratio	Activator	cca	hill
843550	843550~NTP	ap1-agonist_via	Inactive	cca	cnst
843550	843550~NTP	are-bla_ch1	Repressor	cca	hill.inv
843550	843550~NTP	are-bla_ch2	Activator	cca	gnls
843550	843550~NTP	are-bla_ratio	Activator	cca	gnls
843550	843550~NTP	are-bla_via	Repressor	cca	hill.inv
843550	843550~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
843550	843550~NTP	esre-bla_ch2	Inactive	rfp	cnst
843550	843550~NTP	esre-bla_ratio	Activator	rfp	hill
843550	843550~NTP	esre-bla_via	Repressor	rfp	hill.inv
843550	843550~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
843550	843550~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
843550	843550~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
843550	843550~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
843550	843550~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
843550	843550~NTP	p53-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
843550	843550~NTP	p53-bla_ratio	Activator	rfp	hill
843550	843550~NTP	p53-bla_via	Inactive	rfp	cnst
84371653	84371653~EPA	are-bla_ch1	Inactive	EUC	cnst
84371653	84371653~EPA	are-bla_ch2	Activator	EUC	gnls
84371653	84371653~EPA	are-bla_ratio	Activator	EUC	gnls
84371653	84371653~EPA	are-bla_via	Inactive	EUC	cnst
84371653	84371653~FDA	are-bla_ch1	Inactive	EUC	cnst
84371653	84371653~FDA	are-bla_ch2	Activator	EUC	gnls
84371653	84371653~FDA	are-bla_ratio	Activator	EUC	gnls
84371653	84371653~FDA	are-bla_via	Inactive	EUC	cnst
84371653	84371653~FDA	p53-bla_ch1	Repressor	cca	hill.inv
84371653	84371653~FDA	p53-bla_ch2	Activator	cca	hill
84371653	84371653~FDA	p53-bla_ratio	Activator	cca	hill
84371653	84371653~FDA	p53-bla_via	Inactive	cca	cnst
844268	844268~FDA	are-bla_ch1	Activator	EUC	hill
844268	844268~FDA	are-bla_ch2	Activator	EUC	gnls
844268	844268~FDA	are-bla_ratio	Activator	EUC	gnls
844268	844268~FDA	are-bla_via	Repressor	EUC	hill.inv
844268	844268~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
844268	844268~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
844268	844268~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
844268	844268~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
844268	844268~FDA	p53-bla_ch1	Repressor	cca	hill.inv
844268	844268~FDA	p53-bla_ch2	Activator	cca	gnls
844268	844268~FDA	p53-bla_ratio	Activator	cca	gnls
844268	844268~FDA	p53-bla_via	Repressor	cca	hill.inv
84449901	84449901~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
84449901	84449901~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
84449901	84449901~NTP	ap1-agonist_ratio	Activator	rfp	hill
84449901	84449901~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
84449901	84449901~NTP	are-bla_ch1	Repressor	rfn	hill.inv
84449901	84449901~NTP	are-bla_ch2	Activator	rfn	gnls
84449901	84449901~NTP	are-bla_ratio	Inactive	rfn	cnst
84449901	84449901~NTP	are-bla_via	Repressor	rfn	hill.inv
84449901	84449901~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
84449901	84449901~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
84449901	84449901~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
84449901	84449901~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
84449901	84449901~NTP	hse-bla_ch1	Repressor	rfn	hill.inv
84449901	84449901~NTP	hse-bla_ch2	Activator	rfn	hill
84449901	84449901~NTP	hse-bla_ratio	Inactive	rfn	cnst
84449901	84449901~NTP	hse-bla_via	Inactive	rfn	cnst
84449901	84449901~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
84449901	84449901~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
84449901	84449901~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
84449901	84449901~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
84449901	84449901~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
84449901	84449901~NTP	p53-bla_ch2	Activator	EOC	gnls
84449901	84449901~NTP	p53-bla_ratio	Activator	EOC	hill
84449901	84449901~NTP	p53-bla_via	Repressor	EOC	hill.inv
84515	84515~EPA	are-bla_ch1	Repressor	cca	hill.inv
84515	84515~EPA	are-bla_ch2	Activator	cca	hill
84515	84515~EPA	are-bla_ratio	Activator	cca	hill
84515	84515~EPA	are-bla_via	Inactive	cca	cnst
84548	84548~EPA	are-bla_ch1	Repressor	cca	hill.inv
84548	84548~EPA	are-bla_ch2	Activator	cca	hill
84548	84548~EPA	are-bla_ratio	Activator	cca	hill
84548	84548~EPA	are-bla_via	Inactive	cca	cnst
84617	84617~EPA	are-bla_ch1	Inactive	cca	cnst
84617	84617~EPA	are-bla_ch2	Activator	cca	hill
84617	84617~EPA	are-bla_ratio	Activator	cca	hill
84617	84617~EPA	are-bla_via	Inactive	cca	cnst
84625616	84625616~FDA	are-bla_ch1	Repressor	cca	hill.inv
84625616	84625616~FDA	are-bla_ch2	Activator	cca	gnls
84625616	84625616~FDA	are-bla_ratio	Activator	cca	hill
84625616	84625616~FDA	are-bla_via	Inactive	cca	cnst
84742	84742~NTP	ap1-agonist_ch1	Inactive	cca	cnst
84742	84742~NTP	ap1-agonist_ch2	Activator	cca	hill
84742	84742~NTP	ap1-agonist_ratio	Activator	cca	hill
84742	84742~NTP	ap1-agonist_via	Inactive	cca	cnst
84797	84797~NTP	are-bla_ch1	Repressor	cca	hill.inv
84797	84797~NTP	are-bla_ch2	Activator	cca	hill
84797	84797~NTP	are-bla_ratio	Activator	cca	hill
84797	84797~NTP	are-bla_via	Inactive	cca	cnst
84797	84797~NTP	p53-bla_ch1	Repressor	cca	hill.inv
84797	84797~NTP	p53-bla_ch2	Activator	cca	gnls
84797	84797~NTP	p53-bla_ratio	Activator	cca	gnls
84797	84797~NTP	p53-bla_via	Inactive	cca	cnst
84852153	84852153~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
84852153	84852153~EPA	ap1-agonist_ch2	Activator	EOC	gnls
84852153	84852153~EPA	ap1-agonist_ratio	Activator	EOC	hill
84852153	84852153~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
84852153	84852153~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
84852153	84852153~EPA	esre-bla_ch2	Inactive	rfp	cnst
84852153	84852153~EPA	esre-bla_ratio	Activator	rfp	hill
84852153	84852153~EPA	esre-bla_via	Repressor	rfp	hill.inv
84852153	84852153~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
84852153	84852153~EPA	hse-bla_ch2	Inactive	rfp	cnst
84852153	84852153~EPA	hse-bla_ratio	Activator	rfp	hill
84852153	84852153~EPA	hse-bla_via	Repressor	rfp	hill.inv
84852153	84852153~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
84852153	84852153~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
84852153	84852153~EPA	nfkbl-agonist_ratio	Activator	rfp	hill
84852153	84852153~EPA	nfkbl-agonist_via	Repressor	rfp	hill.inv
84852153	84852153~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
84852153	84852153~NTP	ap1-agonist_ch2	Activator	EOC	gnls
84852153	84852153~NTP	ap1-agonist_ratio	Activator	EOC	hill
84852153	84852153~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
84852153	84852153~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
84852153	84852153~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
84852153	84852153~NTP	esre-bla_ratio	Activator	rfp	hill
84852153	84852153~NTP	esre-bla_via	Repressor	rfp	hill.inv
84852153	84852153~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
84852153	84852153~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
84852153	84852153~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
84852153	84852153~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
84852153	84852153~NTP	nfkbl-agonist_ch1	Repressor	rfp	hill.inv
84852153	84852153~NTP	nfkbl-agonist_ch2	Inactive	rfp	cnst
84852153	84852153~NTP	nfkbl-agonist_ratio	Activator	rfp	hill
84852153	84852153~NTP	nfkbl-agonist_via	Repressor	rfp	hill.inv
84852153	84852153~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
84852153	84852153~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
84852153	84852153~NTP	p53-bla_ratio	Activator	rfp	hill
84852153	84852153~NTP	p53-bla_via	Repressor	rfp	hill.inv
848533	848533~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
848533	848533~FDA	ap1-agonist_ch2	Activator	cca	hill
848533	848533~FDA	ap1-agonist_ratio	Activator	cca	hill
848533	848533~FDA	ap1-agonist_via	Inactive	cca	cnst
848533	848533~FDA	are-bla_ch1	Inactive	cca	cnst
848533	848533~FDA	are-bla_ch2	Activator	cca	gnls
848533	848533~FDA	are-bla_ratio	Activator	cca	gnls
848533	848533~FDA	are-bla_via	Repressor	cca	hill.inv
848533	848533~FDA	p53-bla_ch1	Activator	cca	hill
848533	848533~FDA	p53-bla_ch2	Activator	cca	gnls
848533	848533~FDA	p53-bla_ratio	Activator	cca	gnls
848533	848533~FDA	p53-bla_via	Inactive	cca	cnst
84878615	84878615~FDA	p53-bla_ch1	Complex	rfp	gnls
84878615	84878615~FDA	p53-bla_ch2	Inactive	rfp	cnst
84878615	84878615~FDA	p53-bla_ratio	Activator	rfp	hill
84878615	84878615~FDA	p53-bla_via	Inactive	rfp	cnst
850140157	850140157~FDA	p53-bla_ch1	Inactive	cca	cnst
850140157	850140157~FDA	p53-bla_ch2	Activator	cca	hill
850140157	850140157~FDA	p53-bla_ratio	Activator	cca	hill
850140157	850140157~FDA	p53-bla_via	Inactive	cca	cnst
850522	850522~FDA	are-bla_ch1	Inactive	cca	cnst
850522	850522~FDA	are-bla_ch2	Activator	cca	hill
850522	850522~FDA	are-bla_ratio	Activator	cca	hill
850522	850522~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
85100783	85100783~NTP	are-bla_ch1	Inactive	cca	cnst
85100783	85100783~NTP	are-bla_ch2	Activator	cca	gnls
85100783	85100783~NTP	are-bla_ratio	Activator	cca	gnls
85100783	85100783~NTP	are-bla_via	Inactive	cca	cnst
853236	853236~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
853236	853236~NTP	ap1-agonist_ch2	Activator	cca	hill
853236	853236~NTP	ap1-agonist_ratio	Activator	cca	hill
853236	853236~NTP	ap1-agonist_via	Repressor	cca	hill.inv
853236	853236~NTP	are-bla_ch1	Inactive	cca	cnst
853236	853236~NTP	are-bla_ch2	Activator	cca	hill
853236	853236~NTP	are-bla_ratio	Activator	cca	hill
853236	853236~NTP	are-bla_via	Inactive	cca	cnst
85532758	85532758~EPA	are-bla_ch1	Inactive	EUC	cnst
85532758	85532758~EPA	are-bla_ch2	Activator	EUC	hill
85532758	85532758~EPA	are-bla_ratio	Activator	EUC	hill
85532758	85532758~EPA	are-bla_via	Inactive	EUC	cnst
85609	85609~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
85609	85609~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
85609	85609~NTP	ap1-agonist_ratio	Activator	rfp	hill
85609	85609~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
85609	85609~NTP	are-bla_ch1	Repressor	PUC	hill.inv
85609	85609~NTP	are-bla_ch2	Activator	PUC	gnls
85609	85609~NTP	are-bla_ratio	Activator	PUC	hill
85609	85609~NTP	are-bla_via	Repressor	PUC	hill.inv
85609	85609~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
85609	85609~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
85609	85609~NTP	esre-bla_ratio	Activator	rfp	hill
85609	85609~NTP	esre-bla_via	Repressor	rfp	hill.inv
85609	85609~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
85609	85609~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
85609	85609~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
85609	85609~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
85609	85609~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
85609	85609~NTP	hse-bla_ch2	Activator	EOC	hill
85609	85609~NTP	hse-bla_ratio	Activator	EOC	hill
85609	85609~NTP	hse-bla_via	Repressor	EOC	hill.inv
85609	85609~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
85609	85609~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
85609	85609~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
85609	85609~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
85609	85609~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
85609	85609~NTP	p53-bla_ch2	Inactive	rfp	gnls.inv
85609	85609~NTP	p53-bla_ratio	Activator	rfp	hill
85609	85609~NTP	p53-bla_via	Repressor	rfp	hill.inv
85698	85698~NTP	ap1-agonist_ch1	Inactive	cca	cnst
85698	85698~NTP	ap1-agonist_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
85698	85698~NTP	ap1-agonist_ratio	Activator	cca	hill
85698	85698~NTP	ap1-agonist_via	Inactive	cca	cnst
85801021	85801021~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
85801021	85801021~FDA	esre-bla_ch2	Inactive	rfp	cnst
85801021	85801021~FDA	esre-bla_ratio	Activator	rfp	hill
85801021	85801021~FDA	esre-bla_via	Inactive	rfp	cnst
85836	85836~FDA	are-bla_ch1	Repressor	EOC/PUC	hill.inv
85836	85836~FDA	are-bla_ch2	Activator	EOC/PUC	hill
85836	85836~FDA	are-bla_ratio	Activator	EOC/PUC	hill
85836	85836~FDA	are-bla_via	Inactive	EOC/PUC	cnst
86089170	86089170~NTP	ap1-agonist_ch1	Inactive	cca	cnst
86089170	86089170~NTP	ap1-agonist_ch2	Activator	cca	hill
86089170	86089170~NTP	ap1-agonist_ratio	Activator	cca	hill
86089170	86089170~NTP	ap1-agonist_via	Inactive	cca	cnst
86124	86124~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
86124	86124~FDA	ap1-agonist_ch2	Activator	cca	gnls
86124	86124~FDA	ap1-agonist_ratio	Activator	cca	hill
86124	86124~FDA	ap1-agonist_via	Inactive	cca	cnst
86204	86204~EPA	esre-bla_ch1	Inactive	EUC	cnst
86204	86204~EPA	esre-bla_ch2	Activator	EUC	hill
86204	86204~EPA	esre-bla_ratio	Activator	EUC	hill
86204	86204~EPA	esre-bla_via	Inactive	EUC	cnst
86204	86204~EPA	hre-bla-agonist_ch1	Inactive	cca	cnst
86204	86204~EPA	hre-bla-agonist_ch2	Activator	cca	hill
86204	86204~EPA	hre-bla-agonist_ratio	Activator	cca	hill
86204	86204~EPA	hre-bla-agonist_via	Inactive	cca	cnst
86204	86204~EPA	p53-bla_ch1	Inactive	cca	cnst
86204	86204~EPA	p53-bla_ch2	Activator	cca	hill
86204	86204~EPA	p53-bla_ratio	Activator	cca	hill
86204	86204~EPA	p53-bla_via	Inactive	cca	cnst
86487641	86487641~FDA	are-bla_ch1	Inactive	cca	cnst
86487641	86487641~FDA	are-bla_ch2	Activator	cca	hill
86487641	86487641~FDA	are-bla_ratio	Activator	cca	hill
86487641	86487641~FDA	are-bla_via	Inactive	cca	cnst
86500	86500~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
86500	86500~EPA	ap1-agonist_ch2	Activator	cca	hill
86500	86500~EPA	ap1-agonist_ratio	Activator	cca	hill
86500	86500~EPA	ap1-agonist_via	Inactive	cca	cnst
86500	86500~EPA	are-bla_ch1	Inactive	cca	cnst
86500	86500~EPA	are-bla_ch2	Activator	cca	hill
86500	86500~EPA	are-bla_ratio	Activator	cca	hill
86500	86500~EPA	are-bla_via	Inactive	cca	cnst
86500	86500~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
86500	86500~NTP	ap1-agonist_ch2	Activator	cca	hill
86500	86500~NTP	ap1-agonist_ratio	Activator	cca	hill
86500	86500~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
86541744	86541744~FDA	are-bla_ch1	Repressor	rfn	hill.inv
86541744	86541744~FDA	are-bla_ch2	Activator	rfn	gnls
86541744	86541744~FDA	are-bla_ratio	Inactive	rfn	cnst
86541744	86541744~FDA	are-bla_via	Repressor	rfn	hill.inv
86541744	86541744~FDA	esre-bla_ch1	Inactive	cca	cnst
86541744	86541744~FDA	esre-bla_ch2	Activator	cca	hill
86541744	86541744~FDA	esre-bla_ratio	Activator	cca	hill
86541744	86541744~FDA	esre-bla_via	Inactive	cca	cnst
86541744	86541744~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
86541744	86541744~FDA	hre-bla-agonist_ch2	Activator	cca	hill
86541744	86541744~FDA	hre-bla-agonist_ratio	Activator	cca	hill
86541744	86541744~FDA	hre-bla-agonist_via	Inactive	cca	cnst
86541744	86541744~FDA	hse-bla_ch1	Inactive	cca	cnst
86541744	86541744~FDA	hse-bla_ch2	Activator	cca	hill
86541744	86541744~FDA	hse-bla_ratio	Activator	cca	hill
86541744	86541744~FDA	hse-bla_via	Inactive	cca	cnst
86541744	86541744~FDA	p53-bla_ch1	Inactive	cca	cnst
86541744	86541744~FDA	p53-bla_ch2	Activator	cca	hill
86541744	86541744~FDA	p53-bla_ratio	Activator	cca	hill
86541744	86541744~FDA	p53-bla_via	Inactive	cca	cnst
86759	86759~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
86759	86759~FDA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
86759	86759~FDA	ap1-agonist_ratio	Activator	EOC/PUC	gnls
86759	86759~FDA	ap1-agonist_via	Inactive	EOC/PUC	cnst
86759	86759~FDA	are-bla_ch1	Repressor	cca	hill.inv
86759	86759~FDA	are-bla_ch2	Activator	cca	hill
86759	86759~FDA	are-bla_ratio	Activator	cca	hill
86759	86759~FDA	are-bla_via	Inactive	cca	cnst
86759	86759~FDA	hse-bla_ch1	Repressor	cca	hill.inv
86759	86759~FDA	hse-bla_ch2	Activator	cca	gnls
86759	86759~FDA	hse-bla_ratio	Activator	cca	hill
86759	86759~FDA	hse-bla_via	Repressor	cca	hill.inv
868540174	868540174~FDA	are-bla_ch1	Complex	EUC	gnls.inv
868540174	868540174~FDA	are-bla_ch2	Activator	EUC	gnls
868540174	868540174~FDA	are-bla_ratio	Activator	EUC	gnls
868540174	868540174~FDA	are-bla_via	Repressor	EUC	hill.inv
868540174	868540174~FDA	hse-bla_ch1	Repressor	cca	hill.inv
868540174	868540174~FDA	hse-bla_ch2	Activator	cca	hill
868540174	868540174~FDA	hse-bla_ratio	Activator	cca	gnls
868540174	868540174~FDA	hse-bla_via	Inactive	cca	cnst
868540174	868540174~FDA	p53-bla_ch1	Repressor	EUC	hill.inv
868540174	868540174~FDA	p53-bla_ch2	Activator	EUC	gnls
868540174	868540174~FDA	p53-bla_ratio	Activator	EUC	gnls
868540174	868540174~FDA	p53-bla_via	Repressor	EUC	hill.inv
869249	869249~NTP	are-bla_ch1	Repressor	cca	hill.inv
869249	869249~NTP	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
869249	869249~NTP	are-bla_ratio	Activator	cca	hill
869249	869249~NTP	are-bla_via	Inactive	cca	cnst
87014	87014~EPA	ap1-agonist_ch1	Inactive	EUC	cnst
87014	87014~EPA	ap1-agonist_ch2	Activator	EUC	hill
87014	87014~EPA	ap1-agonist_ratio	Activator	EUC	hill
87014	87014~EPA	ap1-agonist_via	Inactive	EUC	cnst
87014	87014~EPA	are-bla_ch1	Activator	EUC	hill
87014	87014~EPA	are-bla_ch2	Activator	EUC	hill
87014	87014~EPA	are-bla_ratio	Activator	EUC	hill
87014	87014~EPA	are-bla_via	Inactive	EUC	cnst
87014	87014~EPA	esre-bla_ch1	Activator	EUC	hill
87014	87014~EPA	esre-bla_ch2	Activator	EUC	hill
87014	87014~EPA	esre-bla_ratio	Activator	EUC	hill
87014	87014~EPA	esre-bla_via	Inactive	EUC	cnst
87014	87014~EPA	hre-bla-agonist_ch1	Activator	EUC	hill
87014	87014~EPA	hre-bla-agonist_ch2	Activator	EUC	hill
87014	87014~EPA	hre-bla-agonist_ratio	Activator	EUC	hill
87014	87014~EPA	hre-bla-agonist_via	Inactive	EUC	cnst
87014	87014~EPA	hse-bla_ch1	Activator	EUC	hill
87014	87014~EPA	hse-bla_ch2	Activator	EUC	hill
87014	87014~EPA	hse-bla_ratio	Activator	EUC	hill
87014	87014~EPA	hse-bla_via	Inactive	EUC	cnst
87014	87014~EPA	nfkb-bla-agonist_ch1	Activator	EUC	hill
87014	87014~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
87014	87014~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
87014	87014~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst
87014	87014~EPA	p53-bla_ch1	Activator	EUC	hill
87014	87014~EPA	p53-bla_ch2	Activator	EUC	hill
87014	87014~EPA	p53-bla_ratio	Activator	EUC	hill
87014	87014~EPA	p53-bla_via	Inactive	EUC	cnst
87025	87025~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
87025	87025~EPA	ap1-agonist_ch2	Activator	cca	hill
87025	87025~EPA	ap1-agonist_ratio	Activator	cca	hill
87025	87025~EPA	ap1-agonist_via	Inactive	cca	cnst
87025	87025~EPA	p53-bla_ch1	Repressor	cca	hill.inv
87025	87025~EPA	p53-bla_ch2	Activator	cca	hill
87025	87025~EPA	p53-bla_ratio	Activator	cca	hill
87025	87025~EPA	p53-bla_via	Inactive	cca	cnst
87025	87025~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
87025	87025~NTP	ap1-agonist_ch2	Activator	cca	hill
87025	87025~NTP	ap1-agonist_ratio	Activator	cca	hill
87025	87025~NTP	ap1-agonist_via	Inactive	cca	cnst
87025	87025~NTP	p53-bla_ch1	Repressor	cca	hill.inv
87025	87025~NTP	p53-bla_ch2	Activator	cca	hill
87025	87025~NTP	p53-bla_ratio	Activator	cca	hill
87025	87025~NTP	p53-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
87051432	87051432~FDA	are-bla_ch1	Inactive	cca	cnst
87051432	87051432~FDA	are-bla_ch2	Activator	cca	gnls
87051432	87051432~FDA	are-bla_ratio	Activator	cca	hill
87051432	87051432~FDA	are-bla_via	Inactive	cca	cnst
87105	87105~EPA	hse-bla_ch1	Repressor	cca	hill.inv
87105	87105~EPA	hse-bla_ch2	Activator	cca	gnls
87105	87105~EPA	hse-bla_ratio	Activator	cca	gnls
87105	87105~EPA	hse-bla_via	Repressor	cca	hill.inv
87105	87105~EPA	p53-bla_ch1	Repressor	POC	gnls.inv
87105	87105~EPA	p53-bla_ch2	Activator	POC	hill
87105	87105~EPA	p53-bla_ratio	Activator	POC	hill
87105	87105~EPA	p53-bla_via	Repressor	POC	hill.inv
87105	87105~FDA	hse-bla_ch1	Repressor	cca	hill.inv
87105	87105~FDA	hse-bla_ch2	Activator	cca	gnls
87105	87105~FDA	hse-bla_ratio	Activator	cca	gnls
87105	87105~FDA	hse-bla_via	Repressor	cca	hill.inv
87105	87105~FDA	p53-bla_ch1	Repressor	cca	gnls.inv
87105	87105~FDA	p53-bla_ch2	Activator	cca	hill
87105	87105~FDA	p53-bla_ratio	Activator	cca	hill
87105	87105~FDA	p53-bla_via	Repressor	cca	hill.inv
87105	87105~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
87105	87105~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
87105	87105~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
87105	87105~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
87105	87105~NTP	hse-bla_ch1	Repressor	cca	hill.inv
87105	87105~NTP	hse-bla_ch2	Activator	cca	gnls
87105	87105~NTP	hse-bla_ratio	Activator	cca	gnls
87105	87105~NTP	hse-bla_via	Repressor	cca	hill.inv
87105	87105~NTP	p53-bla_ch1	Repressor	cca	gnls.inv
87105	87105~NTP	p53-bla_ch2	Activator	cca	gnls
87105	87105~NTP	p53-bla_ratio	Activator	cca	gnls
87105	87105~NTP	p53-bla_via	Repressor	cca	hill.inv
87172	87172~EPA	are-bla_ch1	Repressor	cca	hill.inv
87172	87172~EPA	are-bla_ch2	Activator	cca	hill
87172	87172~EPA	are-bla_ratio	Activator	cca	hill
87172	87172~EPA	are-bla_via	Inactive	cca	cnst
87183	87183~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
87183	87183~EPA	ap1-agonist_ch2	Activator	cca	hill
87183	87183~EPA	ap1-agonist_ratio	Activator	cca	hill
87183	87183~EPA	ap1-agonist_via	Inactive	cca	cnst
87263	87263~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
87263	87263~EPA	ap1-agonist_ch2	Activator	EOC	hill
87263	87263~EPA	ap1-agonist_ratio	Activator	EOC	hill
87263	87263~EPA	ap1-agonist_via	Inactive	EOC	cnst
87296	87296~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
87296	87296~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
87296	87296~NTP	ap1-agonist_ratio	Activator	rfp	hill
87296	87296~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
87296	87296~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
87296	87296~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
87296	87296~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
87296	87296~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
87392129	87392129~EPA	are-bla_ch1	Repressor	cca	hill.inv
87392129	87392129~EPA	are-bla_ch2	Activator	cca	hill
87392129	87392129~EPA	are-bla_ratio	Activator	cca	hill
87392129	87392129~EPA	are-bla_via	Inactive	cca	cnst
87569	87569~EPA	are-bla_ch1	Repressor	cca	gnls.inv
87569	87569~EPA	are-bla_ch2	Activator	cca	gnls
87569	87569~EPA	are-bla_ratio	Activator	cca	gnls
87569	87569~EPA	are-bla_via	Inactive	cca	cnst
87569	87569~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
87569	87569~EPA	hse-bla_ch2	Inactive	rfp	cnst
87569	87569~EPA	hse-bla_ratio	Activator	rfp	hill
87569	87569~EPA	hse-bla_via	Repressor	rfp	hill.inv
87569	87569~EPA	p53-bla_ch1	Inactive	cca	cnst
87569	87569~EPA	p53-bla_ch2	Activator	cca	gnls
87569	87569~EPA	p53-bla_ratio	Activator	cca	gnls
87569	87569~EPA	p53-bla_via	Inactive	cca	cnst
87569	87569~NTP	are-bla_ch1	Repressor	cca	hill.inv
87569	87569~NTP	are-bla_ch2	Activator	cca	hill
87569	87569~NTP	are-bla_ratio	Activator	cca	hill
87569	87569~NTP	are-bla_via	Inactive	cca	cnst
87569	87569~NTP	p53-bla_ch1	Complex	EUC	gnls
87569	87569~NTP	p53-bla_ch2	Activator	EUC	gnls
87569	87569~NTP	p53-bla_ratio	Activator	EUC	gnls
87569	87569~NTP	p53-bla_via	Inactive	EUC	cnst
87661	87661~NTP	ap1-agonist_ch1	Inactive	cca	cnst
87661	87661~NTP	ap1-agonist_ch2	Activator	cca	hill
87661	87661~NTP	ap1-agonist_ratio	Activator	cca	hill
87661	87661~NTP	ap1-agonist_via	Inactive	cca	cnst
87674688	87674688~EPA	ap1-agonist_ch1	Inactive	cca	cnst
87674688	87674688~EPA	ap1-agonist_ch2	Activator	cca	hill
87674688	87674688~EPA	ap1-agonist_ratio	Activator	cca	hill
87674688	87674688~EPA	ap1-agonist_via	Inactive	cca	cnst
87674688	87674688~EPA	are-bla_ch1	Repressor	cca	hill.inv
87674688	87674688~EPA	are-bla_ch2	Activator	cca	hill
87674688	87674688~EPA	are-bla_ratio	Activator	cca	hill
87674688	87674688~EPA	are-bla_via	Inactive	cca	cnst
87865	87865~EPA	are-bla_ch1	Activator	rfn	hill
87865	87865~EPA	are-bla_ch2	Activator	rfn	gnls
87865	87865~EPA	are-bla_ratio	Inactive	rfn	hill.inv
87865	87865~EPA	are-bla_via	Inactive	rfn	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
87865	87865~EPA	p53-bla_ch1	Repressor	cca	hill.inv
87865	87865~EPA	p53-bla_ch2	Activator	cca	gnls
87865	87865~EPA	p53-bla_ratio	Activator	cca	gnls
87865	87865~EPA	p53-bla_via	Inactive	cca	cnst
87865	87865~NTP	are-bla_ch1	Activator	PUC	hill
87865	87865~NTP	are-bla_ch2	Activator	PUC	gnls
87865	87865~NTP	are-bla_ratio	Activator	PUC	gnls
87865	87865~NTP	are-bla_via	Repressor	PUC	hill.inv
87865	87865~NTP	p53-bla_ch1	Repressor	cca	hill.inv
87865	87865~NTP	p53-bla_ch2	Activator	cca	gnls
87865	87865~NTP	p53-bla_ratio	Activator	cca	hill
87865	87865~NTP	p53-bla_via	Inactive	cca	cnst
879390	879390~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
879390	879390~NTP	ap1-agonist_ch2	Activator	cca	hill
879390	879390~NTP	ap1-agonist_ratio	Activator	cca	hill
879390	879390~NTP	ap1-agonist_via	Inactive	cca	cnst
879390	879390~NTP	are-bla_ch1	Repressor	PUC	hill.inv
879390	879390~NTP	are-bla_ch2	Activator	PUC	hill
879390	879390~NTP	are-bla_ratio	Activator	PUC	hill
879390	879390~NTP	are-bla_via	Inactive	PUC	cnst
88062	88062~EPA	are-bla_ch1	Inactive	cca	cnst
88062	88062~EPA	are-bla_ch2	Activator	cca	hill
88062	88062~EPA	are-bla_ratio	Activator	cca	hill
88062	88062~EPA	are-bla_via	Inactive	cca	cnst
88107102	88107102~EPA	are-bla_ch1	Inactive	rfp	cnst
88107102	88107102~EPA	are-bla_ch2	Inactive	rfp	cnst
88107102	88107102~EPA	are-bla_ratio	Activator	rfp	hill
88107102	88107102~EPA	are-bla_via	Inactive	rfp	cnst
88186	88186~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
88186	88186~NTP	ap1-agonist_ch2	Activator	cca	hill
88186	88186~NTP	ap1-agonist_ratio	Activator	cca	hill
88186	88186~NTP	ap1-agonist_via	Inactive	cca	cnst
882337	882337~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
882337	882337~NTP	ap1-agonist_ch2	Activator	cca	hill
882337	882337~NTP	ap1-agonist_ratio	Activator	cca	hill
882337	882337~NTP	ap1-agonist_via	Inactive	cca	cnst
882337	882337~NTP	hse-bla_ch1	Inactive	cca	cnst
882337	882337~NTP	hse-bla_ch2	Activator	cca	hill
882337	882337~NTP	hse-bla_ratio	Activator	cca	hill
882337	882337~NTP	hse-bla_via	Inactive	cca	cnst
88244	88244~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
88244	88244~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
88244	88244~EPA	ap1-agonist_ratio	Activator	rfp	hill
88244	88244~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
88244	88244~EPA	are-bla_ch1	Repressor	cca	hill.inv
88244	88244~EPA	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
88244	88244~EPA	are-bla_ratio	Activator	cca	gnls
88244	88244~EPA	are-bla_via	Repressor	cca	hill.inv
88244	88244~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
88244	88244~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
88244	88244~EPA	esre-bla_ratio	Activator	rfp	hill
88244	88244~EPA	esre-bla_via	Repressor	rfp	hill.inv
88244	88244~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
88244	88244~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
88244	88244~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
88244	88244~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
88244	88244~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
88244	88244~EPA	hse-bla_ch2	Inactive	rfp	cnst
88244	88244~EPA	hse-bla_ratio	Activator	rfp	hill
88244	88244~EPA	hse-bla_via	Repressor	rfp	hill.inv
88244	88244~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
88244	88244~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
88244	88244~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
88244	88244~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
88244	88244~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
88244	88244~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
88244	88244~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
88244	88244~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
88266	88266~NTP	are-bla_ch1	Repressor	EOC	hill.inv
88266	88266~NTP	are-bla_ch2	Activator	EOC	hill
88266	88266~NTP	are-bla_ratio	Activator	EOC	hill
88266	88266~NTP	are-bla_via	Inactive	EOC	cnst
88277	88277~EPA	are-bla_ch1	Inactive	cca	cnst
88277	88277~EPA	are-bla_ch2	Activator	cca	hill
88277	88277~EPA	are-bla_ratio	Activator	cca	hill
88277	88277~EPA	are-bla_via	Inactive	cca	cnst
88302	88302~EPA	are-bla_ch1	Inactive	PUC	cnst
88302	88302~EPA	are-bla_ch2	Activator	PUC	gnls
88302	88302~EPA	are-bla_ratio	Activator	PUC	gnls
88302	88302~EPA	are-bla_via	Inactive	PUC	cnst
88302	88302~EPA	p53-bla_ch1	Repressor	cca	hill.inv
88302	88302~EPA	p53-bla_ch2	Activator	cca	gnls
88302	88302~EPA	p53-bla_ratio	Activator	cca	hill
88302	88302~EPA	p53-bla_via	Inactive	cca	cnst
88426339	88426339~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
88426339	88426339~FDA	ap1-agonist_ch2	Activator	cca	hill
88426339	88426339~FDA	ap1-agonist_ratio	Activator	cca	hill
88426339	88426339~FDA	ap1-agonist_via	Inactive	cca	cnst
88426339	88426339~FDA	are-bla_ch1	Repressor	cca	gnls.inv
88426339	88426339~FDA	are-bla_ch2	Activator	cca	hill
88426339	88426339~FDA	are-bla_ratio	Activator	cca	gnls
88426339	88426339~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
88426339	88426339~FDA	esre-bla_ch1	Inactive	cca	cnst
88426339	88426339~FDA	esre-bla_ch2	Activator	cca	hill
88426339	88426339~FDA	esre-bla_ratio	Activator	cca	hill
88426339	88426339~FDA	esre-bla_via	Inactive	cca	cnst
88584	88584~EPA	are-bla_ch1	Inactive	EUC	cnst
88584	88584~EPA	are-bla_ch2	Activator	EUC	gnls
88584	88584~EPA	are-bla_ratio	Activator	EUC	gnls
88584	88584~EPA	are-bla_via	Inactive	EUC	cnst
88584	88584~EPA	esre-bla_ch1	Inactive	cca	cnst
88584	88584~EPA	esre-bla_ch2	Activator	cca	gnls
88584	88584~EPA	esre-bla_ratio	Activator	cca	gnls
88584	88584~EPA	esre-bla_via	Inactive	cca	cnst
88608	88608~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
88608	88608~EPA	ap1-agonist_ch2	Activator	EOC	hill
88608	88608~EPA	ap1-agonist_ratio	Activator	EOC	hill
88608	88608~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
88608	88608~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
88608	88608~NTP	ap1-agonist_ch2	Activator	EOC	hill
88608	88608~NTP	ap1-agonist_ratio	Activator	EOC	hill
88608	88608~NTP	ap1-agonist_via	Inactive	EOC	cnst
886384	886384~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
886384	886384~FDA	ap1-agonist_ch2	Activator	cca	gnls
886384	886384~FDA	ap1-agonist_ratio	Activator	cca	gnls
886384	886384~FDA	ap1-agonist_via	Activator	cca	hill
886384	886384~FDA	are-bla_ch1	Activator	cca	hill
886384	886384~FDA	are-bla_ch2	Activator	cca	gnls
886384	886384~FDA	are-bla_ratio	Activator	cca	gnls
886384	886384~FDA	are-bla_via	Inactive	cca	cnst
886384	886384~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
886384	886384~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
886384	886384~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
886384	886384~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
886384	886384~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
886384	886384~FDA	p53-bla_ch2	Activator	EOC	hill
886384	886384~FDA	p53-bla_ratio	Activator	EOC	gnls
886384	886384~FDA	p53-bla_via	Repressor	EOC	hill.inv
886500	886500~EPA	ap1-agonist_ch1	Inactive	cca	cnst
886500	886500~EPA	ap1-agonist_ch2	Activator	cca	hill
886500	886500~EPA	ap1-agonist_ratio	Activator	cca	hill
886500	886500~EPA	ap1-agonist_via	Inactive	cca	cnst
886500	886500~NTP	are-bla_ch1	Inactive	cca	cnst
886500	886500~NTP	are-bla_ch2	Activator	cca	hill
886500	886500~NTP	are-bla_ratio	Activator	cca	hill
886500	886500~NTP	are-bla_via	Inactive	cca	cnst
88857	88857~EPA	are-bla_ch1	Inactive	cca	cnst
88857	88857~EPA	are-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
88857	88857~EPA	are-bla_ratio	Activator	cca	gnls
88857	88857~EPA	are-bla_via	Repressor	cca	hill.inv
88857	88857~EPA	p53-bla_ch1	Repressor	cca	hill.inv
88857	88857~EPA	p53-bla_ch2	Activator	cca	gnls
88857	88857~EPA	p53-bla_ratio	Activator	cca	hill
88857	88857~EPA	p53-bla_via	Inactive	cca	cnst
88868	88868~EPA	are-bla_ch1	Inactive	cca	cnst
88868	88868~EPA	are-bla_ch2	Activator	cca	hill
88868	88868~EPA	are-bla_ratio	Activator	cca	hill
88868	88868~EPA	are-bla_via	Inactive	cca	cnst
89021	89021~NTP	are-bla_ch1	Inactive	EUC	cnst
89021	89021~NTP	are-bla_ch2	Activator	EUC	hill
89021	89021~NTP	are-bla_ratio	Activator	EUC	hill
89021	89021~NTP	are-bla_via	Inactive	EUC	cnst
89197320	89197320~FDA	p53-bla_ch1	Repressor	cca	hill.inv
89197320	89197320~FDA	p53-bla_ch2	Activator	cca	gnls
89197320	89197320~FDA	p53-bla_ratio	Activator	cca	gnls
89197320	89197320~FDA	p53-bla_via	Inactive	cca	cnst
89327	89327~NTP	are-bla_ch1	Repressor	cca	hill.inv
89327	89327~NTP	are-bla_ch2	Activator	cca	hill
89327	89327~NTP	are-bla_ratio	Activator	cca	hill
89327	89327~NTP	are-bla_via	Inactive	cca	cnst
89407	89407~NTP	are-bla_ch1	Repressor	cca	hill.inv
89407	89407~NTP	are-bla_ch2	Activator	cca	hill
89407	89407~NTP	are-bla_ratio	Activator	cca	hill
89407	89407~NTP	are-bla_via	Inactive	cca	cnst
89419409	89419409~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
89419409	89419409~FDA	ap1-agonist_ch2	Activator	cca	gnls
89419409	89419409~FDA	ap1-agonist_ratio	Activator	cca	gnls
89419409	89419409~FDA	ap1-agonist_via	Inactive	cca	cnst
89565684	89565684~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
89565684	89565684~FDA	ap1-agonist_ch2	Activator	cca	hill
89565684	89565684~FDA	ap1-agonist_ratio	Activator	cca	hill
89565684	89565684~FDA	ap1-agonist_via	Inactive	cca	cnst
89689	89689~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
89689	89689~EPA	ap1-agonist_ch2	Activator	EOC	hill
89689	89689~EPA	ap1-agonist_ratio	Activator	EOC	hill
89689	89689~EPA	ap1-agonist_via	Inactive	EOC	cnst
89689	89689~EPA	are-bla_ch1	Repressor	rfp	hill.inv
89689	89689~EPA	are-bla_ch2	Inactive	rfp	hill.inv
89689	89689~EPA	are-bla_ratio	Activator	rfp	hill
89689	89689~EPA	are-bla_via	Inactive	rfp	cnst
89689	89689~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
89689	89689~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
89689	89689~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
89689	89689~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
89689	89689~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
89689	89689~EPA	p53-bla_ch2	Inactive	rfp	cnst
89689	89689~EPA	p53-bla_ratio	Activator	rfp	hill
89689	89689~EPA	p53-bla_via	Repressor	rfp	hill.inv
89689	89689~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
89689	89689~FDA	ap1-agonist_ch2	Activator	cca	hill
89689	89689~FDA	ap1-agonist_ratio	Activator	cca	hill
89689	89689~FDA	ap1-agonist_via	Inactive	cca	cnst
89690	89690~NTP	are-bla_ch1	Repressor	EUC	hill.inv
89690	89690~NTP	are-bla_ch2	Activator	EUC	hill
89690	89690~NTP	are-bla_ratio	Activator	EUC	hill
89690	89690~NTP	are-bla_via	Inactive	EUC	cnst
897154	897154~FDA	p53-bla_ch1	Inactive	cca	cnst
897154	897154~FDA	p53-bla_ch2	Activator	cca	hill
897154	897154~FDA	p53-bla_ratio	Activator	cca	hill
897154	897154~FDA	p53-bla_via	Inactive	cca	cnst
89778278	89778278~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
89778278	89778278~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
89778278	89778278~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
89778278	89778278~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
89778278	89778278~EPA	are-bla_ch1	Repressor	rfn	hill.inv
89778278	89778278~EPA	are-bla_ch2	Activator	rfn	gnls
89778278	89778278~EPA	are-bla_ratio	Inactive	rfn	cnst
89778278	89778278~EPA	are-bla_via	Repressor	rfn	hill.inv
89778278	89778278~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
89778278	89778278~EPA	esre-bla_ch2	Inactive	rfp	cnst
89778278	89778278~EPA	esre-bla_ratio	Activator	rfp	hill
89778278	89778278~EPA	esre-bla_via	Repressor	rfp	hill.inv
89778278	89778278~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
89778278	89778278~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
89778278	89778278~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
89778278	89778278~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
89778278	89778278~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
89778278	89778278~EPA	hse-bla_ch2	Inactive	rfp	cnst
89778278	89778278~EPA	hse-bla_ratio	Activator	rfp	hill
89778278	89778278~EPA	hse-bla_via	Repressor	rfp	hill.inv
89778278	89778278~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
89778278	89778278~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
89778278	89778278~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
89778278	89778278~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
89778278	89778278~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
89778278	89778278~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
89778278	89778278~EPA	p53-bla_ratio	Activator	rfp	hill
89778278	89778278~EPA	p53-bla_via	Repressor	rfp	hill.inv
9002931	9002931~NTP	are-bla_ch1	Repressor	cca	hill.inv
9002931	9002931~NTP	are-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
9002931	9002931~NTP	are-bla_ratio	Activator	cca	gnls
9002931	9002931~NTP	are-bla_via	Inactive	cca	cnst
9002964	9002964~FDA	are-bla_ch1	Repressor	cca	hill.inv
9002964	9002964~FDA	are-bla_ch2	Activator	cca	gnls
9002964	9002964~FDA	are-bla_ratio	Activator	cca	gnls
9002964	9002964~FDA	are-bla_via	Inactive	cca	cnst
9002964	9002964~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
9002964	9002964~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
9002964	9002964~FDA	p53-bla_ratio	Activator	rfp	hill
9002964	9002964~FDA	p53-bla_via	Repressor	rfp	hill.inv
90038010	90038010~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
90038010	90038010~FDA	esre-bla_ch2	Inactive	rfp	cnst
90038010	90038010~FDA	esre-bla_ratio	Activator	rfp	hill
90038010	90038010~FDA	esre-bla_via	Inactive	rfp	cnst
90039	90039~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
90039	90039~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
90039	90039~FDA	p53-bla_ratio	Activator	rfp	hill
90039	90039~FDA	p53-bla_via	Repressor	rfp	hill.inv
90045366	90045366~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
90045366	90045366~NTP	ap1-agonist_ch2	Activator	cca	hill
90045366	90045366~NTP	ap1-agonist_ratio	Activator	cca	hill
90045366	90045366~NTP	ap1-agonist_via	Inactive	cca	cnst
9004824	9004824~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
9004824	9004824~EPA	ap1-agonist_ch2	Activator	cca	gnls
9004824	9004824~EPA	ap1-agonist_ratio	Activator	cca	gnls
9004824	9004824~EPA	ap1-agonist_via	Repressor	cca	hill.inv
9004824	9004824~EPA	are-bla_ch1	Inactive	rfn	cnst
9004824	9004824~EPA	are-bla_ch2	Activator	rfn	hill
9004824	9004824~EPA	are-bla_ratio	Inactive	rfn	cnst
9004824	9004824~EPA	are-bla_via	Inactive	rfn	cnst
9004959	9004959~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
9004959	9004959~FDA	p53-bla_ch2	Inactive	rfp	hill.inv
9004959	9004959~FDA	p53-bla_ratio	Activator	rfp	hill
9004959	9004959~FDA	p53-bla_via	Repressor	rfp	hill.inv
9004960	9004960~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
9004960	9004960~EPA	hse-bla_ch2	Inactive	rfp	cnst
9004960	9004960~EPA	hse-bla_ratio	Activator	rfp	hill
9004960	9004960~EPA	hse-bla_via	Repressor	rfp	hill.inv
9004982	9004982~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
9004982	9004982~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
9004982	9004982~NTP	ap1-agonist_ratio	Activator	rfp	hill
9004982	9004982~NTP	ap1-agonist_via	Complex	rfp	gnls.inv
9004982	9004982~NTP	are-bla_ch1	Repressor	cca	hill.inv
9004982	9004982~NTP	are-bla_ch2	Activator	cca	gnls
9004982	9004982~NTP	are-bla_ratio	Activator	cca	gnls
9004982	9004982~NTP	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
9004982	9004982~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
9004982	9004982~NTP	esre-bla_ch2	Inactive	rfp	hill.inv
9004982	9004982~NTP	esre-bla_ratio	Activator	rfp	hill
9004982	9004982~NTP	esre-bla_via	Repressor	rfp	hill.inv
9004982	9004982~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
9004982	9004982~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
9004982	9004982~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
9004982	9004982~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
9004982	9004982~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
9004982	9004982~NTP	hse-bla_ch2	Inactive	rfp	cnst
9004982	9004982~NTP	hse-bla_ratio	Activator	rfp	hill
9004982	9004982~NTP	hse-bla_via	Repressor	rfp	hill.inv
9004982	9004982~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
9004982	9004982~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
9004982	9004982~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
9004982	9004982~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
9004982	9004982~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
9004982	9004982~NTP	p53-bla_ch2	Inactive	rfp	gnls.inv
9004982	9004982~NTP	p53-bla_ratio	Activator	rfp	hill
9004982	9004982~NTP	p53-bla_via	Repressor	rfp	hill.inv
9005678	9005678~NTP	are-bla_ch1	Inactive	cca	cnst
9005678	9005678~NTP	are-bla_ch2	Activator	cca	hill
9005678	9005678~NTP	are-bla_ratio	Activator	cca	hill
9005678	9005678~NTP	are-bla_via	Inactive	cca	cnst
900958	900958~NTP	ap1-agonist_ch1	Repressor	PUC	hill.inv
900958	900958~NTP	ap1-agonist_ch2	Activator	PUC	gnls
900958	900958~NTP	ap1-agonist_ratio	Activator	PUC	gnls.inv
900958	900958~NTP	ap1-agonist_via	Repressor	PUC	hill.inv
900958	900958~NTP	are-bla_ch1	Repressor	EUC	hill.inv
900958	900958~NTP	are-bla_ch2	Activator	EUC	gnls
900958	900958~NTP	are-bla_ratio	Activator	EUC	gnls
900958	900958~NTP	are-bla_via	Repressor	EUC	hill.inv
900958	900958~NTP	esre-bla_ch1	Complex	rfp	gnls
900958	900958~NTP	esre-bla_ch2	Inactive	rfp	cnst
900958	900958~NTP	esre-bla_ratio	Activator	rfp	gnls.inv
900958	900958~NTP	esre-bla_via	Repressor	rfp	hill.inv
900958	900958~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
900958	900958~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
900958	900958~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
900958	900958~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
900958	900958~NTP	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
900958	900958~NTP	hse-bla_ch2	Activator	EOC/PUC	gnls
900958	900958~NTP	hse-bla_ratio	Activator	EOC/PUC	hill
900958	900958~NTP	hse-bla_via	Repressor	EOC/PUC	hill.inv
900958	900958~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
900958	900958~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
900958	900958~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
900958	900958~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
900958	900958~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
900958	900958~NTP	p53-bla_ch2	Inactive	rfp	cnst
900958	900958~NTP	p53-bla_ratio	Activator	rfp	hill
900958	900958~NTP	p53-bla_via	Repressor	rfp	hill.inv
90153	90153~EPA	are-bla_ch1	Inactive	cca	cnst
90153	90153~EPA	are-bla_ch2	Activator	cca	hill
90153	90153~EPA	are-bla_ratio	Activator	cca	hill
90153	90153~EPA	are-bla_via	Inactive	cca	cnst
90153	90153~NTP	are-bla_ch1	Repressor	cca	hill.inv
90153	90153~NTP	are-bla_ch2	Activator	cca	hill
90153	90153~NTP	are-bla_ratio	Activator	cca	hill
90153	90153~NTP	are-bla_via	Inactive	cca	cnst
90274241	90274241~FDA	p53-bla_ch1	Activator	rfn	hill
90274241	90274241~FDA	p53-bla_ch2	Activator	rfn	hill
90274241	90274241~FDA	p53-bla_ratio	Inactive	rfn	cnst
90274241	90274241~FDA	p53-bla_via	Inactive	rfn	cnst
90302	90302~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
90302	90302~EPA	ap1-agonist_ch2	Activator	cca	gnls
90302	90302~EPA	ap1-agonist_ratio	Activator	cca	gnls
90302	90302~EPA	ap1-agonist_via	Repressor	cca	hill.inv
90302	90302~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
90302	90302~NTP	ap1-agonist_ch2	Activator	cca	gnls
90302	90302~NTP	ap1-agonist_ratio	Activator	cca	hill
90302	90302~NTP	ap1-agonist_via	Repressor	cca	hill.inv
90302	90302~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
90302	90302~NTP	p53-bla_ch2	Inactive	rfp	cnst
90302	90302~NTP	p53-bla_ratio	Activator	rfp	hill
90302	90302~NTP	p53-bla_via	Inactive	rfp	cnst
90335	90335~EPA	are-bla_ch1	Inactive	EUC	cnst
90335	90335~EPA	are-bla_ch2	Activator	EUC	hill
90335	90335~EPA	are-bla_ratio	Activator	EUC	hill
90335	90335~EPA	are-bla_via	Inactive	EUC	cnst
90335	90335~EPA	esre-bla_ch1	Inactive	EUC/POC	cnst
90335	90335~EPA	esre-bla_ch2	Activator	EUC/POC	hill
90335	90335~EPA	esre-bla_ratio	Activator	EUC/POC	hill
90335	90335~EPA	esre-bla_via	Inactive	EUC/POC	cnst
90335	90335~EPA	hre-bla-agonist_ch1	Activator	cca	hill
90335	90335~EPA	hre-bla-agonist_ch2	Activator	cca	hill
90335	90335~EPA	hre-bla-agonist_ratio	Activator	cca	hill
90335	90335~EPA	hre-bla-agonist_via	Inactive	cca	cnst
90335	90335~EPA	hse-bla_ch1	Inactive	PUC	cnst
90335	90335~EPA	hse-bla_ch2	Activator	PUC	hill
90335	90335~EPA	hse-bla_ratio	Activator	PUC	hill
90335	90335~EPA	hse-bla_via	Inactive	PUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
90335	90335~EPA	nfkbl-agonist_ch1	Inactive	cca	cnst
90335	90335~EPA	nfkbl-agonist_ch2	Activator	cca	hill
90335	90335~EPA	nfkbl-agonist_ratio	Activator	cca	hill
90335	90335~EPA	nfkbl-agonist_via	Inactive	cca	cnst
90335	90335~EPA	p53-bla_ch1	Inactive	cca	cnst
90335	90335~EPA	p53-bla_ch2	Activator	cca	hill
90335	90335~EPA	p53-bla_ratio	Activator	cca	hill
90335	90335~EPA	p53-bla_via	Inactive	cca	cnst
90335	90335~FDA	are-bla_ch1	Inactive	rfn	cnst
90335	90335~FDA	are-bla_ch2	Activator	rfn	hill
90335	90335~FDA	are-bla_ratio	Inactive	rfn	cnst
90335	90335~FDA	are-bla_via	Inactive	rfn	cnst
90335	90335~FDA	esre-bla_ch1	Inactive	EUC	cnst
90335	90335~FDA	esre-bla_ch2	Activator	EUC	hill
90335	90335~FDA	esre-bla_ratio	Activator	EUC	hill
90335	90335~FDA	esre-bla_via	Inactive	EUC	cnst
90335	90335~FDA	hse-bla_ch1	Inactive	cca	cnst
90335	90335~FDA	hse-bla_ch2	Activator	cca	hill
90335	90335~FDA	hse-bla_ratio	Activator	cca	hill
90335	90335~FDA	hse-bla_via	Inactive	cca	cnst
9041934	9041934~FDA	p53-bla_ch1	Repressor	cca	hill.inv
9041934	9041934~FDA	p53-bla_ch2	Activator	cca	hill
9041934	9041934~FDA	p53-bla_ratio	Activator	cca	hill
9041934	9041934~FDA	p53-bla_via	Inactive	cca	cnst
90494794	90494794~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
90494794	90494794~FDA	ap1-agonist_ch2	Activator	cca	hill
90494794	90494794~FDA	ap1-agonist_ratio	Activator	cca	hill
90494794	90494794~FDA	ap1-agonist_via	Inactive	cca	cnst
90494794	90494794~FDA	are-bla_ch1	Inactive	cca	cnst
90494794	90494794~FDA	are-bla_ch2	Activator	cca	hill
90494794	90494794~FDA	are-bla_ratio	Activator	cca	hill
90494794	90494794~FDA	are-bla_via	Inactive	cca	cnst
90540	90540~FDA	ap1-agonist_ch1	Inactive	cca	cnst
90540	90540~FDA	ap1-agonist_ch2	Activator	cca	hill
90540	90540~FDA	ap1-agonist_ratio	Activator	cca	hill
90540	90540~FDA	ap1-agonist_via	Inactive	cca	cnst
905975	905975~FDA	ap1-agonist_ch1	Inactive	cca	cnst
905975	905975~FDA	ap1-agonist_ch2	Activator	cca	hill
905975	905975~FDA	ap1-agonist_ratio	Activator	cca	hill
905975	905975~FDA	ap1-agonist_via	Inactive	cca	cnst
905975	905975~FDA	are-bla_ch1	Repressor	EUC	hill.inv
905975	905975~FDA	are-bla_ch2	Activator	EUC	gnls
905975	905975~FDA	are-bla_ratio	Activator	EUC	gnls
905975	905975~FDA	are-bla_via	Repressor	EUC	hill.inv
905975	905975~FDA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
905975	905975~FDA	p53-bla_ch2	Activator	EOC/PUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
905975	905975~FDA	p53-bla_ratio	Activator	EOC/PUC	hill
905975	905975~FDA	p53-bla_via	Repressor	EOC/PUC	hill.inv
90729434	90729434~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
90729434	90729434~FDA	ap1-agonist_ch2	Activator	cca	gnls
90729434	90729434~FDA	ap1-agonist_ratio	Activator	cca	hill
90729434	90729434~FDA	ap1-agonist_via	Repressor	cca	hill.inv
90729434	90729434~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
90729434	90729434~FDA	esre-bla_ch2	Inactive	rfp	cnst
90729434	90729434~FDA	esre-bla_ratio	Activator	rfp	hill
90729434	90729434~FDA	esre-bla_via	Repressor	rfp	hill.inv
90729434	90729434~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
90729434	90729434~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
90729434	90729434~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
90729434	90729434~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
90729434	90729434~FDA	hse-bla_ch1	Repressor	rfp	hill.inv
90729434	90729434~FDA	hse-bla_ch2	Inactive	rfp	cnst
90729434	90729434~FDA	hse-bla_ratio	Activator	rfp	hill
90729434	90729434~FDA	hse-bla_via	Repressor	rfp	hill.inv
90729434	90729434~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
90729434	90729434~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
90729434	90729434~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
90729434	90729434~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
90729434	90729434~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
90729434	90729434~FDA	p53-bla_ch2	Inactive	rfp	cnst
90729434	90729434~FDA	p53-bla_ratio	Activator	rfp	hill
90729434	90729434~FDA	p53-bla_via	Repressor	rfp	hill.inv
90868	90868~FDA	are-bla_ch1	Inactive	cca	cnst
90868	90868~FDA	are-bla_ch2	Activator	cca	hill
90868	90868~FDA	are-bla_ratio	Activator	cca	hill
90868	90868~FDA	are-bla_via	Inactive	cca	cnst
90948	90948~EPA	p53-bla_ch1	Repressor	EUC	hill.inv
90948	90948~EPA	p53-bla_ch2	Activator	EUC	gnls
90948	90948~EPA	p53-bla_ratio	Activator	EUC	gnls
90948	90948~EPA	p53-bla_via	Inactive	EUC	cnst
90948	90948~NTP	p53-bla_ch1	Repressor	cca	hill.inv
90948	90948~NTP	p53-bla_ch2	Activator	cca	gnls
90948	90948~NTP	p53-bla_ratio	Activator	cca	gnls
90948	90948~NTP	p53-bla_via	Inactive	cca	cnst
911455	911455~FDA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
911455	911455~FDA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
911455	911455~FDA	ap1-agonist_ratio	Activator	EOC/PUC	hill
911455	911455~FDA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
911455	911455~FDA	are-bla_ch1	Repressor	rfn	hill.inv
911455	911455~FDA	are-bla_ch2	Activator	rfn	gnls
911455	911455~FDA	are-bla_ratio	Inactive	rfn	hill.inv
911455	911455~FDA	are-bla_via	Repressor	rfn	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
911455	911455~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
911455	911455~FDA	esre-bla_ch2	Inactive	rfp	cnst
911455	911455~FDA	esre-bla_ratio	Activator	rfp	hill
911455	911455~FDA	esre-bla_via	Repressor	rfp	hill.inv
911455	911455~FDA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
911455	911455~FDA	hre-bla-agonist_ch2	Inactive	rfp	cnst
911455	911455~FDA	hre-bla-agonist_ratio	Activator	rfp	hill
911455	911455~FDA	hre-bla-agonist_via	Repressor	rfp	hill.inv
911455	911455~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
911455	911455~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
911455	911455~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
911455	911455~FDA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
912572	912572~FDA	ap1-agonist_ch1	Inactive	cca	cnst
912572	912572~FDA	ap1-agonist_ch2	Activator	cca	hill
912572	912572~FDA	ap1-agonist_ratio	Activator	cca	hill
912572	912572~FDA	ap1-agonist_via	Inactive	cca	cnst
91421420	91421420~FDA	p53-bla_ch1	Repressor	cca	gnls.inv
91421420	91421420~FDA	p53-bla_ch2	Activator	cca	gnls
91421420	91421420~FDA	p53-bla_ratio	Activator	cca	gnls
91421420	91421420~FDA	p53-bla_via	Repressor	cca	gnls.inv
91441	91441~EPA	ap1-agonist_ch1	Activator	EUC	hill
91441	91441~EPA	ap1-agonist_ch2	Activator	EUC	hill
91441	91441~EPA	ap1-agonist_ratio	Activator	EUC	hill
91441	91441~EPA	ap1-agonist_via	Inactive	EUC	cnst
91441	91441~EPA	are-bla_ch1	Activator	EUC	hill
91441	91441~EPA	are-bla_ch2	Activator	EUC	hill
91441	91441~EPA	are-bla_ratio	Activator	EUC	hill
91441	91441~EPA	are-bla_via	Inactive	EUC	cnst
91441	91441~EPA	esre-bla_ch1	Activator	EUC	hill
91441	91441~EPA	esre-bla_ch2	Activator	EUC	hill
91441	91441~EPA	esre-bla_ratio	Activator	EUC	hill
91441	91441~EPA	esre-bla_via	Inactive	EUC	cnst
91441	91441~EPA	hre-bla-agonist_ch1	Activator	EUC	hill
91441	91441~EPA	hre-bla-agonist_ch2	Activator	EUC	hill
91441	91441~EPA	hre-bla-agonist_ratio	Activator	EUC	hill
91441	91441~EPA	hre-bla-agonist_via	Inactive	EUC	cnst
91441	91441~EPA	hse-bla_ch1	Activator	cca	hill
91441	91441~EPA	hse-bla_ch2	Activator	cca	hill
91441	91441~EPA	hse-bla_ratio	Activator	cca	hill
91441	91441~EPA	hse-bla_via	Inactive	cca	cnst
91441	91441~EPA	nfkb-bla-agonist_ch1	Activator	EUC	hill
91441	91441~EPA	nfkb-bla-agonist_ch2	Activator	EUC	hill
91441	91441~EPA	nfkb-bla-agonist_ratio	Activator	EUC	hill
91441	91441~EPA	nfkb-bla-agonist_via	Inactive	EUC	cnst
91441	91441~EPA	p53-bla_ch1	Activator	EUC	hill
91441	91441~EPA	p53-bla_ch2	Activator	EUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
91441	91441~EPA	p53-bla_ratio	Activator	EUC	hill
91441	91441~EPA	p53-bla_via	Inactive	EUC	cnst
91441	91441~NTP	ap1-agonist_ch1	Inactive	EUC	cnst
91441	91441~NTP	ap1-agonist_ch2	Activator	EUC	hill
91441	91441~NTP	ap1-agonist_ratio	Activator	EUC	hill
91441	91441~NTP	ap1-agonist_via	Inactive	EUC	cnst
91441	91441~NTP	are-bla_ch1	Activator	EUC	hill
91441	91441~NTP	are-bla_ch2	Activator	EUC	hill
91441	91441~NTP	are-bla_ratio	Activator	EUC	hill
91441	91441~NTP	are-bla_via	Inactive	EUC	cnst
91441	91441~NTP	esre-bla_ch1	Activator	EUC	hill
91441	91441~NTP	esre-bla_ch2	Activator	EUC	hill
91441	91441~NTP	esre-bla_ratio	Activator	EUC	hill
91441	91441~NTP	esre-bla_via	Inactive	EUC	cnst
91441	91441~NTP	hre-bla-agonist_ch1	Activator	EUC	hill
91441	91441~NTP	hre-bla-agonist_ch2	Activator	EUC	hill
91441	91441~NTP	hre-bla-agonist_ratio	Activator	EUC	hill
91441	91441~NTP	hre-bla-agonist_via	Inactive	EUC	cnst
91441	91441~NTP	hse-bla_ch1	Activator	EUC	hill
91441	91441~NTP	hse-bla_ch2	Activator	EUC	hill
91441	91441~NTP	hse-bla_ratio	Activator	EUC	hill
91441	91441~NTP	hse-bla_via	Inactive	EUC	cnst
91441	91441~NTP	nfkb-bla-agonist_ch1	Activator	EUC	hill
91441	91441~NTP	nfkb-bla-agonist_ch2	Activator	EUC	hill
91441	91441~NTP	nfkb-bla-agonist_ratio	Activator	EUC	hill
91441	91441~NTP	nfkb-bla-agonist_via	Inactive	EUC	cnst
91441	91441~NTP	p53-bla_ch1	Activator	EUC	hill
91441	91441~NTP	p53-bla_ch2	Activator	EUC	hill
91441	91441~NTP	p53-bla_ratio	Activator	EUC	hill
91441	91441~NTP	p53-bla_via	Inactive	EUC	cnst
91465086	91465086~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
91465086	91465086~EPA	hse-bla_ch2	Inactive	rfp	cnst
91465086	91465086~EPA	hse-bla_ratio	Activator	rfp	hill
91465086	91465086~EPA	hse-bla_via	Inactive	rfp	cnst
91532	91532~EPA	are-bla_ch1	Inactive	rfn	cnst
91532	91532~EPA	are-bla_ch2	Activator	rfn	hill
91532	91532~EPA	are-bla_ratio	Inactive	rfn	cnst
91532	91532~EPA	are-bla_via	Inactive	rfn	cnst
91532	91532~NTP	are-bla_ch1	Inactive	EUC	cnst
91532	91532~NTP	are-bla_ch2	Activator	EUC	hill
91532	91532~NTP	are-bla_ratio	Activator	EUC	hill
91532	91532~NTP	are-bla_via	Inactive	EUC	cnst
91565	91565~NTP	are-bla_ch1	Repressor	cca	hill.inv
91565	91565~NTP	are-bla_ch2	Activator	cca	hill
91565	91565~NTP	are-bla_ratio	Activator	cca	hill
91565	91565~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
91599745	91599745~FDA	are-bla_ch1	Inactive	rfn	cnst
91599745	91599745~FDA	are-bla_ch2	Activator	rfn	gnls
91599745	91599745~FDA	are-bla_ratio	Inactive	rfn	hill.inv
91599745	91599745~FDA	are-bla_via	Inactive	rfn	cnst
91689	91689~NTP	are-bla_ch1	Inactive	EUC	cnst
91689	91689~NTP	are-bla_ch2	Activator	EUC	gnls
91689	91689~NTP	are-bla_ratio	Activator	EUC	hill
91689	91689~NTP	are-bla_via	Inactive	EUC	cnst
918003	918003~NTP	are-bla_ch1	Activator	EUC	hill
918003	918003~NTP	are-bla_ch2	Activator	EUC	gnls
918003	918003~NTP	are-bla_ratio	Activator	EUC	gnls
918003	918003~NTP	are-bla_via	Repressor	EUC	hill.inv
918003	918003~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
918003	918003~NTP	p53-bla_ch2	Inactive	rfp	cnst
918003	918003~NTP	p53-bla_ratio	Activator	rfp	gnls
918003	918003~NTP	p53-bla_via	Inactive	rfp	cnst
91849	91849~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
91849	91849~FDA	ap1-agonist_ch2	Activator	EOC	hill
91849	91849~FDA	ap1-agonist_ratio	Activator	EOC	hill
91849	91849~FDA	ap1-agonist_via	Inactive	EOC	cnst
91849	91849~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
91849	91849~NTP	ap1-agonist_ch2	Activator	EOC	hill
91849	91849~NTP	ap1-agonist_ratio	Activator	EOC	hill
91849	91849~NTP	ap1-agonist_via	Inactive	EOC	cnst
918639108	918639108~FDA	are-bla_ch1	Inactive	rfp	cnst
918639108	918639108~FDA	are-bla_ch2	Inactive	rfp	hill.inv
918639108	918639108~FDA	are-bla_ratio	Activator	rfp	gnls
918639108	918639108~FDA	are-bla_via	Repressor	rfp	hill.inv
918639108	918639108~FDA	p53-bla_ch1	Repressor	cca	hill.inv
918639108	918639108~FDA	p53-bla_ch2	Activator	cca	hill
918639108	918639108~FDA	p53-bla_ratio	Activator	cca	hill
918639108	918639108~FDA	p53-bla_via	Inactive	cca	cnst
91941	91941~NTP	are-bla_ch1	Repressor	cca	hill.inv
91941	91941~NTP	are-bla_ch2	Activator	cca	gnls
91941	91941~NTP	are-bla_ratio	Activator	cca	gnls
91941	91941~NTP	are-bla_via	Inactive	cca	cnst
91941	91941~NTP	p53-bla_ch1	Repressor	cca	hill.inv
91941	91941~NTP	p53-bla_ch2	Activator	cca	gnls
91941	91941~NTP	p53-bla_ratio	Activator	cca	hill
91941	91941~NTP	p53-bla_via	Inactive	cca	cnst
91952	91952~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
91952	91952~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
91952	91952~EPA	ap1-agonist_ratio	Activator	rfp	hill
91952	91952~EPA	ap1-agonist_via	Inactive	rfp	cnst
91952	91952~EPA	are-bla_ch1	Repressor	cca	hill.inv
91952	91952~EPA	are-bla_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
91952	91952~EPA	are-bla_ratio	Activator	cca	hill
91952	91952~EPA	are-bla_via	Inactive	cca	cnst
92046	92046~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
92046	92046~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
92046	92046~EPA	ap1-agonist_ratio	Activator	rfp	hill
92046	92046~EPA	ap1-agonist_via	Inactive	rfp	cnst
92046	92046~EPA	are-bla_ch1	Repressor	cca	hill.inv
92046	92046~EPA	are-bla_ch2	Activator	cca	gnls
92046	92046~EPA	are-bla_ratio	Activator	cca	hill
92046	92046~EPA	are-bla_via	Inactive	cca	cnst
92068	92068~NTP	are-bla_ch1	Inactive	cca	cnst
92068	92068~NTP	are-bla_ch2	Activator	cca	hill
92068	92068~NTP	are-bla_ratio	Activator	cca	hill
92068	92068~NTP	are-bla_via	Inactive	cca	cnst
921039	921039~NTP	ap1-agonist_ch1	Repressor	cca	gnls.inv
921039	921039~NTP	ap1-agonist_ch2	Activator	cca	gnls
921039	921039~NTP	ap1-agonist_ratio	Activator	cca	gnls
921039	921039~NTP	ap1-agonist_via	Inactive	cca	cnst
921039	921039~NTP	are-bla_ch1	Repressor	EUC	hill.inv
921039	921039~NTP	are-bla_ch2	Activator	EUC	gnls
921039	921039~NTP	are-bla_ratio	Activator	EUC	gnls
921039	921039~NTP	are-bla_via	Repressor	EUC	hill.inv
921039	921039~NTP	p53-bla_ch1	Complex	cca	gnls
921039	921039~NTP	p53-bla_ch2	Activator	cca	gnls
921039	921039~NTP	p53-bla_ratio	Activator	cca	gnls
921039	921039~NTP	p53-bla_via	Inactive	cca	cnst
92159	92159~NTP	are-bla_ch1	Inactive	cca	cnst
92159	92159~NTP	are-bla_ch2	Activator	cca	hill
92159	92159~NTP	are-bla_ratio	Activator	cca	hill
92159	92159~NTP	are-bla_via	Inactive	cca	cnst
92319	92319~FDA	ap1-agonist_ch1	Repressor	cca	gnls.inv
92319	92319~FDA	ap1-agonist_ch2	Activator	cca	gnls
92319	92319~FDA	ap1-agonist_ratio	Activator	cca	gnls
92319	92319~FDA	ap1-agonist_via	Repressor	cca	hill.inv
92319	92319~FDA	are-bla_ch1	Complex	cca	gnls.inv
92319	92319~FDA	are-bla_ch2	Activator	cca	gnls
92319	92319~FDA	are-bla_ratio	Activator	cca	gnls
92319	92319~FDA	are-bla_via	Repressor	cca	hill.inv
92319	92319~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
92319	92319~FDA	p53-bla_ch2	Activator	EOC	hill
92319	92319~FDA	p53-bla_ratio	Activator	EOC	hill
92319	92319~FDA	p53-bla_via	Repressor	EOC	hill.inv
92397	92397~FDA	are-bla_ch1	Inactive	EUC	cnst
92397	92397~FDA	are-bla_ch2	Activator	EUC	hill
92397	92397~FDA	are-bla_ratio	Activator	EUC	hill
92397	92397~FDA	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
92433	92433~NTP	ap1-agonist_ch1	Inactive	cca	cnst
92433	92433~NTP	ap1-agonist_ch2	Activator	cca	hill
92433	92433~NTP	ap1-agonist_ratio	Activator	cca	hill
92433	92433~NTP	ap1-agonist_via	Inactive	cca	cnst
92557	92557~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
92557	92557~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
92557	92557~NTP	ap1-agonist_ratio	Activator	rfp	gnls
92557	92557~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
92557	92557~NTP	are-bla_ch1	Repressor	EUC	hill.inv
92557	92557~NTP	are-bla_ch2	Activator	EUC	gnls
92557	92557~NTP	are-bla_ratio	Activator	EUC	gnls
92557	92557~NTP	are-bla_via	Repressor	EUC	hill.inv
92557	92557~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
92557	92557~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
92557	92557~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
92557	92557~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
92557	92557~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
92557	92557~NTP	hse-bla_ch2	Inactive	rfp	cnst
92557	92557~NTP	hse-bla_ratio	Activator	rfp	hill
92557	92557~NTP	hse-bla_via	Repressor	rfp	hill.inv
926578	926578~NTP	are-bla_ch1	Inactive	cca	cnst
926578	926578~NTP	are-bla_ch2	Activator	cca	hill
926578	926578~NTP	are-bla_ratio	Activator	cca	hill
926578	926578~NTP	are-bla_via	Inactive	cca	cnst
92671	92671~NTP	are-bla_ch1	Inactive	rfn	cnst
92671	92671~NTP	are-bla_ch2	Activator	rfn	hill
92671	92671~NTP	are-bla_ratio	Inactive	rfn	cnst
92671	92671~NTP	are-bla_via	Inactive	rfn	cnst
92693	92693~EPA	are-bla_ch1	Inactive	cca	cnst
92693	92693~EPA	are-bla_ch2	Activator	cca	hill
92693	92693~EPA	are-bla_ratio	Activator	cca	hill
92693	92693~EPA	are-bla_via	Inactive	cca	cnst
92693	92693~NTP	are-bla_ch1	Repressor	cca	hill.inv
92693	92693~NTP	are-bla_ch2	Activator	cca	hill
92693	92693~NTP	are-bla_ratio	Activator	cca	hill
92693	92693~NTP	are-bla_via	Inactive	cca	cnst
92875	92875~NTP	are-bla_ch1	Inactive	cca	cnst
92875	92875~NTP	are-bla_ch2	Activator	cca	hill
92875	92875~NTP	are-bla_ratio	Activator	cca	hill
92875	92875~NTP	are-bla_via	Inactive	cca	cnst
92886	92886~NTP	are-bla_ch1	Repressor	EUC	gnls.inv
92886	92886~NTP	are-bla_ch2	Activator	EUC	hill
92886	92886~NTP	are-bla_ratio	Activator	EUC	hill
92886	92886~NTP	are-bla_via	Inactive	EUC	cnst
92886	92886~NTP	p53-bla_ch1	Repressor	cca	hill.inv
92886	92886~NTP	p53-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
92886	92886~NTP	p53-bla_ratio	Activator	cca	gnls
92886	92886~NTP	p53-bla_via	Inactive	cca	cnst
92953101	92953101~FDA	are-bla_ch1	Repressor	cca	hill.inv
92953101	92953101~FDA	are-bla_ch2	Activator	cca	gnls
92953101	92953101~FDA	are-bla_ratio	Activator	cca	gnls
92953101	92953101~FDA	are-bla_via	Inactive	cca	cnst
929601092	929601092~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
929601092	929601092~EPA	ap1-agonist_ch2	Activator	cca	hill
929601092	929601092~EPA	ap1-agonist_ratio	Activator	cca	hill
929601092	929601092~EPA	ap1-agonist_via	Inactive	cca	cnst
929737	929737~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
929737	929737~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
929737	929737~EPA	ap1-agonist_ratio	Activator	rfp	hill
929737	929737~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
929737	929737~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
929737	929737~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
929737	929737~EPA	esre-bla_ratio	Activator	rfp	hill
929737	929737~EPA	esre-bla_via	Repressor	rfp	hill.inv
929737	929737~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
929737	929737~EPA	hse-bla_ch2	Inactive	rfp	cnst
929737	929737~EPA	hse-bla_ratio	Activator	rfp	hill
929737	929737~EPA	hse-bla_via	Repressor	rfp	hill.inv
929737	929737~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
929737	929737~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
929737	929737~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
929737	929737~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
929737	929737~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
929737	929737~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
929737	929737~EPA	p53-bla_ratio	Activator	rfp	hill
929737	929737~EPA	p53-bla_via	Repressor	rfp	hill.inv
93050	93050~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
93050	93050~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
93050	93050~NTP	ap1-agonist_ratio	Activator	rfp	hill
93050	93050~NTP	ap1-agonist_via	Inactive	rfp	cnst
93050	93050~NTP	are-bla_ch1	Repressor	cca	hill.inv
93050	93050~NTP	are-bla_ch2	Activator	cca	gnls
93050	93050~NTP	are-bla_ratio	Activator	cca	gnls
93050	93050~NTP	are-bla_via	Repressor	cca	hill.inv
93050	93050~NTP	hse-bla_ch1	Repressor	cca	hill.inv
93050	93050~NTP	hse-bla_ch2	Activator	cca	hill
93050	93050~NTP	hse-bla_ratio	Activator	cca	hill
93050	93050~NTP	hse-bla_via	Inactive	cca	cnst
93050	93050~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
93050	93050~NTP	p53-bla_ch2	Inactive	rfp	cnst
93050	93050~NTP	p53-bla_ratio	Activator	rfp	hill
93050	93050~NTP	p53-bla_via	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
93107085	93107085~FDA	are-bla_ch1	Inactive	cca	cnst
93107085	93107085~FDA	are-bla_ch2	Activator	cca	hill
93107085	93107085~FDA	are-bla_ratio	Activator	cca	hill
93107085	93107085~FDA	are-bla_via	Inactive	cca	cnst
933755	933755~NTP	are-bla_ch1	Inactive	cca	cnst
933755	933755~NTP	are-bla_ch2	Activator	cca	hill
933755	933755~NTP	are-bla_ratio	Activator	cca	hill
933755	933755~NTP	are-bla_via	Inactive	cca	cnst
933788	933788~NTP	are-bla_ch1	Inactive	EUC	cnst
933788	933788~NTP	are-bla_ch2	Activator	EUC	hill
933788	933788~NTP	are-bla_ratio	Activator	EUC	hill
933788	933788~NTP	are-bla_via	Inactive	EUC	cnst
934009	934009~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
934009	934009~NTP	ap1-agonist_ch2	Activator	cca	hill
934009	934009~NTP	ap1-agonist_ratio	Activator	cca	hill
934009	934009~NTP	ap1-agonist_via	Inactive	cca	cnst
934009	934009~NTP	are-bla_ch1	Repressor	cca	hill.inv
934009	934009~NTP	are-bla_ch2	Activator	cca	gnls
934009	934009~NTP	are-bla_ratio	Activator	cca	hill
934009	934009~NTP	are-bla_via	Inactive	cca	cnst
934009	934009~NTP	hse-bla_ch1	Repressor	cca	hill.inv
934009	934009~NTP	hse-bla_ch2	Activator	cca	hill
934009	934009~NTP	hse-bla_ratio	Activator	cca	hill
934009	934009~NTP	hse-bla_via	Inactive	cca	cnst
935955	935955~NTP	are-bla_ch1	Inactive	cca	cnst
935955	935955~NTP	are-bla_ch2	Activator	cca	gnls
935955	935955~NTP	are-bla_ratio	Activator	cca	gnls
935955	935955~NTP	are-bla_via	Inactive	cca	cnst
935955	935955~NTP	p53-bla_ch1	Repressor	PUC	hill.inv
935955	935955~NTP	p53-bla_ch2	Activator	PUC	gnls
935955	935955~NTP	p53-bla_ratio	Activator	PUC	hill
935955	935955~NTP	p53-bla_via	Inactive	PUC	cnst
93765	93765~EPA	are-bla_ch1	Inactive	cca	cnst
93765	93765~EPA	are-bla_ch2	Activator	cca	hill
93765	93765~EPA	are-bla_ratio	Activator	cca	hill
93765	93765~EPA	are-bla_via	Inactive	cca	cnst
93765	93765~NTP	are-bla_ch1	Inactive	PUC	cnst
93765	93765~NTP	are-bla_ch2	Activator	PUC	hill
93765	93765~NTP	are-bla_ratio	Activator	PUC	hill
93765	93765~NTP	are-bla_via	Inactive	PUC	cnst
93834	93834~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
93834	93834~NTP	ap1-agonist_ch2	Activator	cca	gnls
93834	93834~NTP	ap1-agonist_ratio	Activator	cca	gnls
93834	93834~NTP	ap1-agonist_via	Inactive	cca	cnst
93834	93834~NTP	are-bla_ch1	Repressor	EUC	hill.inv
93834	93834~NTP	are-bla_ch2	Activator	EUC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
93834	93834~NTP	are-bla_ratio	Activator	EUC	gnls
93834	93834~NTP	are-bla_via	Repressor	EUC	hill.inv
938738	938738~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
938738	938738~FDA	ap1-agonist_ch2	Activator	cca	gnls
938738	938738~FDA	ap1-agonist_ratio	Activator	cca	gnls
938738	938738~FDA	ap1-agonist_via	Inactive	cca	cnst
938738	938738~FDA	hse-bla_ch1	Inactive	rfp	cnst
938738	938738~FDA	hse-bla_ch2	Inactive	rfp	cnst
938738	938738~FDA	hse-bla_ratio	Activator	rfp	hill
938738	938738~FDA	hse-bla_via	Inactive	rfp	cnst
93957541	93957541~EPA	are-bla_ch1	Inactive	PUC	cnst
93957541	93957541~EPA	are-bla_ch2	Activator	PUC	gnls
93957541	93957541~EPA	are-bla_ratio	Activator	PUC	hill
93957541	93957541~EPA	are-bla_via	Inactive	PUC	cnst
941695	941695~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
941695	941695~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
941695	941695~EPA	ap1-agonist_ratio	Activator	rfp	gnls.inv
941695	941695~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
941695	941695~EPA	are-bla_ch1	Repressor	rfp	hill.inv
941695	941695~EPA	are-bla_ch2	Inactive	rfp	hill.inv
941695	941695~EPA	are-bla_ratio	Activator	rfp	gnls
941695	941695~EPA	are-bla_via	Repressor	rfp	hill.inv
941695	941695~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
941695	941695~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
941695	941695~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
941695	941695~EPA	hre-bla-agonist_via	Complex	rfp	gnls.inv
941695	941695~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
941695	941695~EPA	hse-bla_ch2	Activator	EOC	hill
941695	941695~EPA	hse-bla_ratio	Activator	EOC	hill
941695	941695~EPA	hse-bla_via	Repressor	EOC	hill.inv
941695	941695~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
941695	941695~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
941695	941695~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
941695	941695~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
941695	941695~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
941695	941695~EPA	p53-bla_ch2	Inactive	rfp	cnst
941695	941695~EPA	p53-bla_ratio	Activator	rfp	hill
941695	941695~EPA	p53-bla_via	Repressor	rfp	hill.inv
943419	943419~EPA	are-bla_ch1	Inactive	cca	cnst
943419	943419~EPA	are-bla_ch2	Activator	cca	hill
943419	943419~EPA	are-bla_ratio	Activator	cca	hill
943419	943419~EPA	are-bla_via	Inactive	cca	cnst
94361065	94361065~EPA	are-bla_ch1	Inactive	EUC	cnst
94361065	94361065~EPA	are-bla_ch2	Activator	EUC	hill
94361065	94361065~EPA	are-bla_ratio	Activator	EUC	hill
94361065	94361065~EPA	are-bla_via	Inactive	EUC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
94371	94371~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
94371	94371~FDA	ap1-agonist_ch2	Activator	EOC	gnls.inv
94371	94371~FDA	ap1-agonist_ratio	Activator	EOC	gnls
94371	94371~FDA	ap1-agonist_via	Activator	EOC	gnls
94371	94371~FDA	are-bla_ch1	Inactive	rfp	cnst
94371	94371~FDA	are-bla_ch2	Inactive	rfp	hill.inv
94371	94371~FDA	are-bla_ratio	Activator	rfp	gnls
94371	94371~FDA	are-bla_via	Inactive	rfp	cnst
94371	94371~FDA	hse-bla_ch1	Repressor	POC	gnls.inv
94371	94371~FDA	hse-bla_ch2	Activator	POC	gnls
94371	94371~FDA	hse-bla_ratio	Activator	POC	gnls
94371	94371~FDA	hse-bla_via	Repressor	POC	gnls.inv
94451	94451~NTP	are-bla_ch1	Inactive	cca	cnst
94451	94451~NTP	are-bla_ch2	Activator	cca	hill
94451	94451~NTP	are-bla_ratio	Activator	cca	hill
94451	94451~NTP	are-bla_via	Inactive	cca	cnst
94473	94473~EPA	ap1-agonist_ch1	Inactive	cca	cnst
94473	94473~EPA	ap1-agonist_ch2	Activator	cca	hill
94473	94473~EPA	ap1-agonist_ratio	Activator	cca	gnls
94473	94473~EPA	ap1-agonist_via	Inactive	cca	cnst
94622	94622~EPA	are-bla_ch1	Inactive	cca	cnst
94622	94622~EPA	are-bla_ch2	Activator	cca	hill
94622	94622~EPA	are-bla_ratio	Activator	cca	hill
94622	94622~EPA	are-bla_via	Inactive	cca	cnst
94739294	94739294~FDA	are-bla_ch1	Inactive	EUC	cnst
94739294	94739294~FDA	are-bla_ch2	Activator	EUC	hill
94739294	94739294~FDA	are-bla_ratio	Activator	EUC	hill
94739294	94739294~FDA	are-bla_via	Inactive	EUC	cnst
94739294	94739294~FDA	esre-bla_ch1	Inactive	EUC	cnst
94739294	94739294~FDA	esre-bla_ch2	Activator	EUC	hill
94739294	94739294~FDA	esre-bla_ratio	Activator	EUC	hill
94739294	94739294~FDA	esre-bla_via	Inactive	EUC	cnst
94739294	94739294~FDA	hre-bla-agonist_ch1	Inactive	cca	cnst
94739294	94739294~FDA	hre-bla-agonist_ch2	Activator	cca	hill
94739294	94739294~FDA	hre-bla-agonist_ratio	Activator	cca	hill
94739294	94739294~FDA	hre-bla-agonist_via	Inactive	cca	cnst
94739294	94739294~FDA	hse-bla_ch1	Inactive	cca	cnst
94739294	94739294~FDA	hse-bla_ch2	Activator	cca	hill
94739294	94739294~FDA	hse-bla_ratio	Activator	cca	hill
94739294	94739294~FDA	hse-bla_via	Inactive	cca	cnst
94739294	94739294~FDA	p53-bla_ch1	Inactive	cca	cnst
94739294	94739294~FDA	p53-bla_ch2	Activator	cca	hill
94739294	94739294~FDA	p53-bla_ratio	Activator	cca	hill
94739294	94739294~FDA	p53-bla_via	Inactive	cca	cnst
94917	94917~EPA	are-bla_ch1	Inactive	PUC	cnst
94917	94917~EPA	are-bla_ch2	Activator	PUC	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
94917	94917~EPA	are-bla_ratio	Activator	PUC	hill
94917	94917~EPA	are-bla_via	Inactive	PUC	cnst
94973	94973~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
94973	94973~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
94973	94973~EPA	ap1-agonist_ratio	Activator	rfp	hill
94973	94973~EPA	ap1-agonist_via	Inactive	rfp	cnst
94973	94973~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
94973	94973~EPA	esre-bla_ch2	Inactive	rfp	cnst
94973	94973~EPA	esre-bla_ratio	Activator	rfp	hill
94973	94973~EPA	esre-bla_via	Inactive	rfp	cnst
94973	94973~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
94973	94973~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
94973	94973~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
94973	94973~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
94973	94973~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
94973	94973~EPA	hse-bla_ch2	Inactive	rfp	cnst
94973	94973~EPA	hse-bla_ratio	Activator	rfp	hill
94973	94973~EPA	hse-bla_via	Inactive	rfp	cnst
950356	950356~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
950356	950356~EPA	esre-bla_ch2	Inactive	rfp	cnst
950356	950356~EPA	esre-bla_ratio	Activator	rfp	hill
950356	950356~EPA	esre-bla_via	Inactive	rfp	cnst
950356	950356~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
950356	950356~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
950356	950356~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
950356	950356~EPA	hre-bla-agonist_via	Inactive	rfp	cnst
950378	950378~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
950378	950378~EPA	ap1-agonist_ch2	Activator	cca	hill
950378	950378~EPA	ap1-agonist_ratio	Activator	cca	hill
950378	950378~EPA	ap1-agonist_via	Inactive	cca	cnst
950378	950378~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
950378	950378~FDA	ap1-agonist_ch2	Activator	cca	hill
950378	950378~FDA	ap1-agonist_ratio	Activator	cca	hill
950378	950378~FDA	ap1-agonist_via	Inactive	cca	cnst
950378	950378~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
950378	950378~NTP	ap1-agonist_ch2	Activator	cca	hill
950378	950378~NTP	ap1-agonist_ratio	Activator	cca	hill
950378	950378~NTP	ap1-agonist_via	Inactive	cca	cnst
95067	95067~NTP	are-bla_ch1	Inactive	cca	cnst
95067	95067~NTP	are-bla_ch2	Activator	cca	hill
95067	95067~NTP	are-bla_ratio	Activator	cca	hill
95067	95067~NTP	are-bla_via	Inactive	cca	cnst
952238	952238~NTP	ap1-agonist_ch1	Activator	cca	gnls
952238	952238~NTP	ap1-agonist_ch2	Activator	cca	gnls
952238	952238~NTP	ap1-agonist_ratio	Activator	cca	gnls
952238	952238~NTP	ap1-agonist_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
952238	952238~NTP	are-bla_ch1	Activator	EUC	hill
952238	952238~NTP	are-bla_ch2	Activator	EUC	gnls
952238	952238~NTP	are-bla_ratio	Activator	EUC	gnls
952238	952238~NTP	are-bla_via	Repressor	EUC	hill.inv
952238	952238~NTP	hre-bla-agonist_ch1	Repressor	PUC	hill.inv
952238	952238~NTP	hre-bla-agonist_ch2	Activator	PUC	gnls
952238	952238~NTP	hre-bla-agonist_ratio	Activator	PUC	hill
952238	952238~NTP	hre-bla-agonist_via	Repressor	PUC	hill.inv
952238	952238~NTP	p53-bla_ch1	Complex	EOC	gnls.inv
952238	952238~NTP	p53-bla_ch2	Activator	EOC	gnls
952238	952238~NTP	p53-bla_ratio	Activator	EOC	gnls
952238	952238~NTP	p53-bla_via	Inactive	EOC	cnst
95233184	95233184~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
95233184	95233184~FDA	ap1-agonist_ch2	Activator	cca	hill
95233184	95233184~FDA	ap1-agonist_ratio	Activator	cca	hill
95233184	95233184~FDA	ap1-agonist_via	Inactive	cca	cnst
95233184	95233184~FDA	are-bla_ch1	Repressor	EUC	hill.inv
95233184	95233184~FDA	are-bla_ch2	Activator	EUC	gnls
95233184	95233184~FDA	are-bla_ratio	Activator	EUC	hill
95233184	95233184~FDA	are-bla_via	Inactive	EUC	cnst
95233184	95233184~FDA	p53-bla_ch1	Repressor	cca	hill.inv
95233184	95233184~FDA	p53-bla_ch2	Activator	cca	gnls
95233184	95233184~FDA	p53-bla_ratio	Activator	cca	gnls
95233184	95233184~FDA	p53-bla_via	Inactive	cca	cnst
95318	95318~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
95318	95318~NTP	ap1-agonist_ch2	Activator	cca	hill
95318	95318~NTP	ap1-agonist_ratio	Activator	cca	hill
95318	95318~NTP	ap1-agonist_via	Inactive	cca	cnst
95318	95318~NTP	are-bla_ch1	Inactive	cca	cnst
95318	95318~NTP	are-bla_ch2	Activator	cca	hill
95318	95318~NTP	are-bla_ratio	Activator	cca	hill
95318	95318~NTP	are-bla_via	Inactive	cca	cnst
95318	95318~NTP	hse-bla_ch1	Inactive	cca	cnst
95318	95318~NTP	hse-bla_ch2	Activator	cca	hill
95318	95318~NTP	hse-bla_ratio	Activator	cca	hill
95318	95318~NTP	hse-bla_via	Inactive	cca	cnst
95329	95329~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
95329	95329~EPA	ap1-agonist_ch2	Activator	cca	gnls
95329	95329~EPA	ap1-agonist_ratio	Activator	cca	hill
95329	95329~EPA	ap1-agonist_via	Inactive	cca	cnst
95329	95329~EPA	are-bla_ch1	Repressor	cca	hill.inv
95329	95329~EPA	are-bla_ch2	Activator	cca	gnls
95329	95329~EPA	are-bla_ratio	Activator	cca	hill
95329	95329~EPA	are-bla_via	Repressor	cca	hill.inv
95329	95329~EPA	hse-bla_ch1	Repressor	cca	hill.inv
95329	95329~EPA	hse-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
95329	95329~EPA	hse-bla_ratio	Activator	cca	gnls
95329	95329~EPA	hse-bla_via	Inactive	cca	cnst
95329	95329~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
95329	95329~NTP	ap1-agonist_ch2	Activator	cca	gnls
95329	95329~NTP	ap1-agonist_ratio	Activator	cca	gnls
95329	95329~NTP	ap1-agonist_via	Inactive	cca	cnst
95329	95329~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
95329	95329~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
95329	95329~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
95329	95329~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
95329	95329~NTP	hse-bla_ch1	Inactive	cca	cnst
95329	95329~NTP	hse-bla_ch2	Activator	cca	hill
95329	95329~NTP	hse-bla_ratio	Activator	cca	hill
95329	95329~NTP	hse-bla_via	Inactive	cca	cnst
95330	95330~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
95330	95330~EPA	ap1-agonist_ch2	Activator	cca	hill
95330	95330~EPA	ap1-agonist_ratio	Activator	cca	hill
95330	95330~EPA	ap1-agonist_via	Inactive	cca	cnst
95330	95330~EPA	are-bla_ch1	Repressor	PUC	hill.inv
95330	95330~EPA	are-bla_ch2	Activator	PUC	hill
95330	95330~EPA	are-bla_ratio	Activator	PUC	hill
95330	95330~EPA	are-bla_via	Inactive	PUC	cnst
95330	95330~EPA	hse-bla_ch1	Inactive	cca	cnst
95330	95330~EPA	hse-bla_ch2	Activator	cca	hill
95330	95330~EPA	hse-bla_ratio	Activator	cca	hill
95330	95330~EPA	hse-bla_via	Inactive	cca	cnst
95330	95330~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
95330	95330~NTP	ap1-agonist_ch2	Activator	cca	hill
95330	95330~NTP	ap1-agonist_ratio	Activator	cca	hill
95330	95330~NTP	ap1-agonist_via	Inactive	cca	cnst
95330	95330~NTP	are-bla_ch1	Repressor	cca	hill.inv
95330	95330~NTP	are-bla_ch2	Activator	cca	hill
95330	95330~NTP	are-bla_ratio	Activator	cca	hill
95330	95330~NTP	are-bla_via	Inactive	cca	cnst
95330	95330~NTP	hse-bla_ch1	Inactive	cca	cnst
95330	95330~NTP	hse-bla_ch2	Activator	cca	hill
95330	95330~NTP	hse-bla_ratio	Activator	cca	hill
95330	95330~NTP	hse-bla_via	Inactive	cca	cnst
95385	95385~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
95385	95385~EPA	ap1-agonist_ch2	Activator	cca	gnls
95385	95385~EPA	ap1-agonist_ratio	Activator	cca	hill
95385	95385~EPA	ap1-agonist_via	Repressor	cca	hill.inv
95385	95385~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
95385	95385~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
95385	95385~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
95385	95385~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
95385	95385~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
95385	95385~EPA	hse-bla_ch2	Inactive	rfp	cnst
95385	95385~EPA	hse-bla_ratio	Activator	rfp	hill
95385	95385~EPA	hse-bla_via	Repressor	rfp	hill.inv
95385	95385~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
95385	95385~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
95385	95385~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
95385	95385~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
95385	95385~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
95385	95385~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
95385	95385~EPA	p53-bla_ratio	Activator	rfp	hill
95385	95385~EPA	p53-bla_via	Repressor	rfp	hill.inv
95545	95545~EPA	are-bla_ch1	Repressor	EUC	hill.inv
95545	95545~EPA	are-bla_ch2	Activator	EUC	gnls
95545	95545~EPA	are-bla_ratio	Activator	EUC	gnls
95545	95545~EPA	are-bla_via	Inactive	EUC	cnst
95545	95545~EPA	hse-bla_ch1	Inactive	cca	cnst
95545	95545~EPA	hse-bla_ch2	Activator	cca	hill
95545	95545~EPA	hse-bla_ratio	Activator	cca	hill
95545	95545~EPA	hse-bla_via	Inactive	cca	cnst
95545	95545~FDA	are-bla_ch1	Repressor	cca	hill.inv
95545	95545~FDA	are-bla_ch2	Activator	cca	gnls
95545	95545~FDA	are-bla_ratio	Activator	cca	gnls
95545	95545~FDA	are-bla_via	Inactive	cca	cnst
95545	95545~FDA	hse-bla_ch1	Inactive	cca	cnst
95545	95545~FDA	hse-bla_ch2	Activator	cca	hill
95545	95545~FDA	hse-bla_ratio	Activator	cca	hill
95545	95545~FDA	hse-bla_via	Inactive	cca	cnst
95545	95545~NTP	are-bla_ch1	Repressor	cca	gnls.inv
95545	95545~NTP	are-bla_ch2	Activator	cca	hill
95545	95545~NTP	are-bla_ratio	Activator	cca	hill
95545	95545~NTP	are-bla_via	Inactive	cca	cnst
95545	95545~NTP	hse-bla_ch1	Inactive	cca	cnst
95545	95545~NTP	hse-bla_ch2	Activator	cca	gnls
95545	95545~NTP	hse-bla_ratio	Activator	cca	hill
95545	95545~NTP	hse-bla_via	Inactive	cca	cnst
95556	95556~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
95556	95556~NTP	ap1-agonist_ch2	Activator	EOC	gnls
95556	95556~NTP	ap1-agonist_ratio	Activator	EOC	gnls
95556	95556~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
95556	95556~NTP	are-bla_ch1	Repressor	cca	hill.inv
95556	95556~NTP	are-bla_ch2	Activator	cca	hill
95556	95556~NTP	are-bla_ratio	Activator	cca	gnls
95556	95556~NTP	are-bla_via	Repressor	cca	hill.inv
95556	95556~NTP	p53-bla_ch1	Repressor	cca	hill.inv
95556	95556~NTP	p53-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
95556	95556~NTP	p53-bla_ratio	Activator	cca	hill
95556	95556~NTP	p53-bla_via	Repressor	cca	hill.inv
95716	95716~NTP	are-bla_ch1	Repressor	cca	hill.inv
95716	95716~NTP	are-bla_ch2	Activator	cca	gnls
95716	95716~NTP	are-bla_ratio	Activator	cca	gnls
95716	95716~NTP	are-bla_via	Inactive	cca	cnst
95737681	95737681~EPA	are-bla_ch1	Inactive	EUC	cnst
95737681	95737681~EPA	are-bla_ch2	Activator	EUC	hill
95737681	95737681~EPA	are-bla_ratio	Activator	EUC	hill
95737681	95737681~EPA	are-bla_via	Inactive	EUC	cnst
957517	957517~NTP	are-bla_ch1	Inactive	cca	cnst
957517	957517~NTP	are-bla_ch2	Activator	cca	hill
957517	957517~NTP	are-bla_ratio	Activator	cca	hill
957517	957517~NTP	are-bla_via	Inactive	cca	cnst
95772	95772~NTP	are-bla_ch1	Inactive	cca	cnst
95772	95772~NTP	are-bla_ch2	Activator	cca	hill
95772	95772~NTP	are-bla_ratio	Activator	cca	hill
95772	95772~NTP	are-bla_via	Inactive	cca	cnst
95830	95830~FDA	are-bla_ch1	Inactive	cca	cnst
95830	95830~FDA	are-bla_ch2	Activator	cca	gnls
95830	95830~FDA	are-bla_ratio	Activator	cca	gnls
95830	95830~FDA	are-bla_via	Repressor	cca	hill.inv
95830	95830~FDA	p53-bla_ch1	Inactive	cca	cnst
95830	95830~FDA	p53-bla_ch2	Activator	cca	gnls
95830	95830~FDA	p53-bla_ratio	Activator	cca	hill
95830	95830~FDA	p53-bla_via	Inactive	cca	cnst
95830	95830~NTP	are-bla_ch1	Inactive	cca	cnst
95830	95830~NTP	are-bla_ch2	Activator	cca	gnls
95830	95830~NTP	are-bla_ratio	Activator	cca	gnls
95830	95830~NTP	are-bla_via	Repressor	cca	hill.inv
95841	95841~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
95841	95841~NTP	ap1-agonist_ch2	Activator	cca	hill
95841	95841~NTP	ap1-agonist_ratio	Activator	cca	hill
95841	95841~NTP	ap1-agonist_via	Inactive	cca	cnst
95841	95841~NTP	are-bla_ch1	Repressor	cca	hill.inv
95841	95841~NTP	are-bla_ch2	Activator	cca	gnls
95841	95841~NTP	are-bla_ratio	Activator	cca	hill
95841	95841~NTP	are-bla_via	Inactive	cca	cnst
95852	95852~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
95852	95852~NTP	ap1-agonist_ch2	Activator	cca	hill
95852	95852~NTP	ap1-agonist_ratio	Activator	cca	hill
95852	95852~NTP	ap1-agonist_via	Inactive	cca	cnst
95852	95852~NTP	are-bla_ch1	Repressor	cca	hill.inv
95852	95852~NTP	are-bla_ch2	Activator	cca	gnls
95852	95852~NTP	are-bla_ratio	Activator	cca	gnls
95852	95852~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
95852	95852~NTP	p53-bla_ch1	Repressor	cca	hill.inv
95852	95852~NTP	p53-bla_ch2	Activator	cca	hill
95852	95852~NTP	p53-bla_ratio	Activator	cca	hill
95852	95852~NTP	p53-bla_via	Inactive	cca	cnst
95954	95954~EPA	are-bla_ch1	Inactive	EUC	cnst
95954	95954~EPA	are-bla_ch2	Activator	EUC	hill
95954	95954~EPA	are-bla_ratio	Activator	EUC	hill
95954	95954~EPA	are-bla_via	Inactive	EUC	cnst
95954	95954~NTP	are-bla_ch1	Inactive	cca	cnst
95954	95954~NTP	are-bla_ch2	Activator	cca	hill
95954	95954~NTP	are-bla_ratio	Activator	cca	hill
95954	95954~NTP	are-bla_via	Inactive	cca	cnst
959988	959988~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
959988	959988~EPA	ap1-agonist_ch2	Activator	cca	gnls
959988	959988~EPA	ap1-agonist_ratio	Activator	cca	hill
959988	959988~EPA	ap1-agonist_via	Inactive	cca	cnst
959988	959988~EPA	are-bla_ch1	Inactive	cca	cnst
959988	959988~EPA	are-bla_ch2	Activator	cca	hill
959988	959988~EPA	are-bla_ratio	Activator	cca	hill
959988	959988~EPA	are-bla_via	Inactive	cca	cnst
961115	961115~NTP	are-bla_ch1	Repressor	cca	hill.inv
961115	961115~NTP	are-bla_ch2	Activator	cca	hill
961115	961115~NTP	are-bla_ratio	Activator	cca	hill
961115	961115~NTP	are-bla_via	Inactive	cca	cnst
961115	961115~NTP	hre-bla-agonist_ch1	Repressor	cca	hill.inv
961115	961115~NTP	hre-bla-agonist_ch2	Activator	cca	gnls
961115	961115~NTP	hre-bla-agonist_ratio	Activator	cca	hill
961115	961115~NTP	hre-bla-agonist_via	Inactive	cca	cnst
964523	964523~FDA	ap1-agonist_ch1	Inactive	cca	cnst
964523	964523~FDA	ap1-agonist_ch2	Activator	cca	hill
964523	964523~FDA	ap1-agonist_ratio	Activator	cca	hill
964523	964523~FDA	ap1-agonist_via	Inactive	cca	cnst
96489713	96489713~EPA	are-bla_ch1	Complex	cca	gnls.inv
96489713	96489713~EPA	are-bla_ch2	Activator	cca	gnls
96489713	96489713~EPA	are-bla_ratio	Activator	cca	gnls
96489713	96489713~EPA	are-bla_via	Repressor	cca	hill.inv
965526	965526~FDA	are-bla_ch1	Repressor	cca	hill.inv
965526	965526~FDA	are-bla_ch2	Activator	cca	gnls
965526	965526~FDA	are-bla_ratio	Activator	cca	gnls
965526	965526~FDA	are-bla_via	Repressor	cca	hill.inv
965526	965526~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
965526	965526~FDA	hre-bla-agonist_ch2	Activator	cca	gnls
965526	965526~FDA	hre-bla-agonist_ratio	Activator	cca	gnls
965526	965526~FDA	hre-bla-agonist_via	Activator	cca	hill
965902	965902~FDA	p53-bla_ch1	Repressor	cca	hill.inv
965902	965902~FDA	p53-bla_ch2	Activator	cca	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
965902	965902~FDA	p53-bla_ratio	Activator	cca	gnls
965902	965902~FDA	p53-bla_via	Inactive	cca	cnst
96686510	96686510~EPA	are-bla_ch1	Repressor	EOC	hill.inv
96686510	96686510~EPA	are-bla_ch2	Activator	EOC	gnls
96686510	96686510~EPA	are-bla_ratio	Activator	EOC	gnls
96686510	96686510~EPA	are-bla_via	Repressor	EOC	hill.inv
96686510	96686510~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
96686510	96686510~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	gnls
96686510	96686510~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
96686510	96686510~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
96686510	96686510~EPA	hse-bla_ch1	Repressor	cca	hill.inv
96686510	96686510~EPA	hse-bla_ch2	Activator	cca	gnls
96686510	96686510~EPA	hse-bla_ratio	Activator	cca	hill
96686510	96686510~EPA	hse-bla_via	Repressor	cca	hill.inv
96686510	96686510~EPA	p53-bla_ch1	Repressor	cca	hill.inv
96686510	96686510~EPA	p53-bla_ch2	Activator	cca	gnls
96686510	96686510~EPA	p53-bla_ratio	Activator	cca	gnls
96686510	96686510~EPA	p53-bla_via	Repressor	cca	hill.inv
96695	96695~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
96695	96695~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
96695	96695~NTP	ap1-agonist_ratio	Activator	rfp	hill
96695	96695~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
96695	96695~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
96695	96695~NTP	esre-bla_ch2	Inactive	rfp	gnls.inv
96695	96695~NTP	esre-bla_ratio	Activator	rfp	hill
96695	96695~NTP	esre-bla_via	Repressor	rfp	hill.inv
96695	96695~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
96695	96695~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
96695	96695~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
96695	96695~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
96695	96695~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
96695	96695~NTP	hse-bla_ch2	Inactive	rfp	cnst
96695	96695~NTP	hse-bla_ratio	Activator	rfp	hill
96695	96695~NTP	hse-bla_via	Repressor	rfp	hill.inv
96695	96695~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
96695	96695~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
96695	96695~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
96695	96695~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
96695	96695~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
96695	96695~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
96695	96695~NTP	p53-bla_ratio	Activator	rfp	hill
96695	96695~NTP	p53-bla_via	Repressor	rfp	hill.inv
96708	96708~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
96708	96708~EPA	ap1-agonist_ch2	Activator	EOC	hill
96708	96708~EPA	ap1-agonist_ratio	Activator	EOC	hill
96708	96708~EPA	ap1-agonist_via	Inactive	EOC	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
96764	96764~EPA	ap1-agonist_ch1	Repressor	EOC	hill.inv
96764	96764~EPA	ap1-agonist_ch2	Activator	EOC	gnls
96764	96764~EPA	ap1-agonist_ratio	Activator	EOC	gnls
96764	96764~EPA	ap1-agonist_via	Repressor	EOC	hill.inv
96764	96764~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
96764	96764~EPA	hse-bla_ch2	Inactive	rfp	cnst
96764	96764~EPA	hse-bla_ratio	Activator	rfp	hill
96764	96764~EPA	hse-bla_via	Repressor	rfp	hill.inv
96764	96764~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
96764	96764~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
96764	96764~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
96764	96764~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
96764	96764~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
96764	96764~EPA	p53-bla_ch2	Inactive	rfp	cnst
96764	96764~EPA	p53-bla_ratio	Activator	rfp	hill
96764	96764~EPA	p53-bla_via	Repressor	rfp	hill.inv
96764	96764~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
96764	96764~NTP	ap1-agonist_ch2	Activator	EOC	gnls
96764	96764~NTP	ap1-agonist_ratio	Activator	EOC	gnls
96764	96764~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
96764	96764~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
96764	96764~NTP	esre-bla_ch2	Inactive	rfp	cnst
96764	96764~NTP	esre-bla_ratio	Activator	rfp	hill
96764	96764~NTP	esre-bla_via	Repressor	rfp	hill.inv
96764	96764~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
96764	96764~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
96764	96764~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
96764	96764~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
96764	96764~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
96764	96764~NTP	hse-bla_ch2	Inactive	rfp	cnst
96764	96764~NTP	hse-bla_ratio	Activator	rfp	hill
96764	96764~NTP	hse-bla_via	Repressor	rfp	hill.inv
96764	96764~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
96764	96764~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
96764	96764~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
96764	96764~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
96764	96764~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
96764	96764~NTP	p53-bla_ch2	Inactive	rfp	hill.inv
96764	96764~NTP	p53-bla_ratio	Activator	rfp	hill
96764	96764~NTP	p53-bla_via	Repressor	rfp	hill.inv
96833	96833~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
96833	96833~EPA	ap1-agonist_ch2	Activator	cca	hill
96833	96833~EPA	ap1-agonist_ratio	Activator	cca	hill
96833	96833~EPA	ap1-agonist_via	Inactive	cca	cnst
96833	96833~EPA	are-bla_ch1	Inactive	cca	cnst
96833	96833~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
96833	96833~EPA	are-bla_ratio	Activator	cca	hill
96833	96833~EPA	are-bla_via	Inactive	cca	cnst
96833	96833~FDA	are-bla_ch1	Inactive	cca	cnst
96833	96833~FDA	are-bla_ch2	Activator	cca	hill
96833	96833~FDA	are-bla_ratio	Activator	cca	hill
96833	96833~FDA	are-bla_via	Inactive	cca	cnst
968616	968616~FDA	ap1-agonist_ch1	Inactive	cca	cnst
968616	968616~FDA	ap1-agonist_ch2	Activator	cca	hill
968616	968616~FDA	ap1-agonist_ratio	Activator	cca	hill
968616	968616~FDA	ap1-agonist_via	Inactive	cca	cnst
96913	96913~NTP	are-bla_ch1	Inactive	cca	cnst
96913	96913~NTP	are-bla_ch2	Activator	cca	hill
96913	96913~NTP	are-bla_ratio	Activator	cca	hill
96913	96913~NTP	are-bla_via	Inactive	cca	cnst
97007	97007~EPA	are-bla_ch1	Repressor	rfp	hill.inv
97007	97007~EPA	are-bla_ch2	Inactive	rfp	hill.inv
97007	97007~EPA	are-bla_ratio	Activator	rfp	gnls
97007	97007~EPA	are-bla_via	Repressor	rfp	hill.inv
97007	97007~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
97007	97007~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
97007	97007~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
97007	97007~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
97007	97007~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
97007	97007~EPA	hse-bla_ch2	Inactive	rfp	cnst
97007	97007~EPA	hse-bla_ratio	Activator	rfp	hill
97007	97007~EPA	hse-bla_via	Repressor	rfp	hill.inv
97007	97007~EPA	p53-bla_ch1	Repressor	cca	hill.inv
97007	97007~EPA	p53-bla_ch2	Activator	cca	gnls
97007	97007~EPA	p53-bla_ratio	Activator	cca	hill
97007	97007~EPA	p53-bla_via	Repressor	cca	hill.inv
97007	97007~NTP	are-bla_ch1	Repressor	rfn	hill.inv
97007	97007~NTP	are-bla_ch2	Activator	rfn	gnls
97007	97007~NTP	are-bla_ratio	Inactive	rfn	gnls.inv
97007	97007~NTP	are-bla_via	Repressor	rfn	hill.inv
97007	97007~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
97007	97007~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
97007	97007~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
97007	97007~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
97007	97007~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
97007	97007~NTP	hse-bla_ch2	Inactive	rfp	cnst
97007	97007~NTP	hse-bla_ratio	Activator	rfp	hill
97007	97007~NTP	hse-bla_via	Repressor	rfp	hill.inv
97007	97007~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
97007	97007~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
97007	97007~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
97007	97007~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
97029	97029~NTP	are-bla_ch1	Inactive	PUC	cnst
97029	97029~NTP	are-bla_ch2	Activator	PUC	hill
97029	97029~NTP	are-bla_ratio	Activator	PUC	hill
97029	97029~NTP	are-bla_via	Inactive	PUC	cnst
971153	971153~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
971153	971153~NTP	ap1-agonist_ch2	Activator	cca	gnls
971153	971153~NTP	ap1-agonist_ratio	Activator	cca	gnls
971153	971153~NTP	ap1-agonist_via	Inactive	cca	cnst
971153	971153~NTP	are-bla_ch1	Inactive	PUC	cnst
971153	971153~NTP	are-bla_ch2	Activator	PUC	hill
971153	971153~NTP	are-bla_ratio	Activator	PUC	gnls
971153	971153~NTP	are-bla_via	Inactive	PUC	cnst
971153	971153~NTP	esre-bla_ch1	Complex	rfp	gnls.inv
971153	971153~NTP	esre-bla_ch2	Inactive	rfp	cnst
971153	971153~NTP	esre-bla_ratio	Activator	rfp	gnls
971153	971153~NTP	esre-bla_via	Inactive	rfp	cnst
971153	971153~NTP	hse-bla_ch1	Repressor	cca	gnls.inv
971153	971153~NTP	hse-bla_ch2	Activator	cca	gnls
971153	971153~NTP	hse-bla_ratio	Activator	cca	gnls
971153	971153~NTP	hse-bla_via	Complex	cca	gnls.inv
97187	97187~EPA	are-bla_ch1	Repressor	rfn	hill.inv
97187	97187~EPA	are-bla_ch2	Activator	rfn	gnls
97187	97187~EPA	are-bla_ratio	Inactive	rfn	gnls.inv
97187	97187~EPA	are-bla_via	Repressor	rfn	hill.inv
97187	97187~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
97187	97187~EPA	esre-bla_ch2	Inactive	rfp	cnst
97187	97187~EPA	esre-bla_ratio	Activator	rfp	hill
97187	97187~EPA	esre-bla_via	Repressor	rfp	hill.inv
97187	97187~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
97187	97187~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
97187	97187~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
97187	97187~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
97187	97187~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
97187	97187~EPA	hse-bla_ch2	Inactive	rfp	cnst
97187	97187~EPA	hse-bla_ratio	Activator	rfp	hill
97187	97187~EPA	hse-bla_via	Repressor	rfp	hill.inv
97187	97187~EPA	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
97187	97187~EPA	p53-bla_ch2	Activator	EOC/PUC	gnls
97187	97187~EPA	p53-bla_ratio	Activator	EOC/PUC	hill
97187	97187~EPA	p53-bla_via	Repressor	EOC/PUC	hill.inv
97187	97187~FDA	p53-bla_ch1	Repressor	EOC	hill.inv
97187	97187~FDA	p53-bla_ch2	Activator	EOC	hill
97187	97187~FDA	p53-bla_ratio	Activator	EOC	hill
97187	97187~FDA	p53-bla_via	Repressor	EOC	hill.inv
97187	97187~NTP	are-bla_ch1	Repressor	rfn	hill.inv
97187	97187~NTP	are-bla_ch2	Activator	rfn	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
97187	97187~NTP	are-bla_ratio	Inactive	rfn	gnls.inv
97187	97187~NTP	are-bla_via	Repressor	rfn	hill.inv
97187	97187~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
97187	97187~NTP	esre-bla_ch2	Inactive	rfp	cnst
97187	97187~NTP	esre-bla_ratio	Activator	rfp	hill
97187	97187~NTP	esre-bla_via	Repressor	rfp	hill.inv
97187	97187~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
97187	97187~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
97187	97187~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
97187	97187~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
97187	97187~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
97187	97187~NTP	hse-bla_ch2	Inactive	rfp	cnst
97187	97187~NTP	hse-bla_ratio	Activator	rfp	hill
97187	97187~NTP	hse-bla_via	Repressor	rfp	hill.inv
97187	97187~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
97187	97187~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
97187	97187~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
97187	97187~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
97187	97187~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
97187	97187~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
97187	97187~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
97187	97187~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
97234	97234~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
97234	97234~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
97234	97234~EPA	ap1-agonist_ratio	Activator	rfp	hill
97234	97234~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
97234	97234~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
97234	97234~EPA	esre-bla_ch2	Inactive	rfp	cnst
97234	97234~EPA	esre-bla_ratio	Activator	rfp	hill
97234	97234~EPA	esre-bla_via	Repressor	rfp	hill.inv
97234	97234~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
97234	97234~EPA	p53-bla_ch2	Inactive	rfp	cnst
97234	97234~EPA	p53-bla_ratio	Activator	rfp	hill
97234	97234~EPA	p53-bla_via	Repressor	rfp	hill.inv
97234	97234~FDA	hse-bla_ch1	Repressor	cca	hill.inv
97234	97234~FDA	hse-bla_ch2	Activator	cca	hill
97234	97234~FDA	hse-bla_ratio	Activator	cca	hill
97234	97234~FDA	hse-bla_via	Inactive	cca	cnst
97234	97234~FDA	p53-bla_ch1	Repressor	cca	hill.inv
97234	97234~FDA	p53-bla_ch2	Activator	cca	hill
97234	97234~FDA	p53-bla_ratio	Activator	cca	hill
97234	97234~FDA	p53-bla_via	Repressor	cca	hill.inv
97234	97234~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
97234	97234~NTP	ap1-agonist_ch2	Inactive	rfp	hill.inv
97234	97234~NTP	ap1-agonist_ratio	Activator	rfp	hill
97234	97234~NTP	ap1-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
97234	97234~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
97234	97234~NTP	esre-bla_ch2	Inactive	rfp	cnst
97234	97234~NTP	esre-bla_ratio	Activator	rfp	hill
97234	97234~NTP	esre-bla_via	Repressor	rfp	hill.inv
97234	97234~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
97234	97234~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
97234	97234~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
97234	97234~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
97234	97234~NTP	hse-bla_ch1	Repressor	EOC	hill.inv
97234	97234~NTP	hse-bla_ch2	Activator	EOC	hill
97234	97234~NTP	hse-bla_ratio	Activator	EOC	hill
97234	97234~NTP	hse-bla_via	Repressor	EOC	hill.inv
97234	97234~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
97234	97234~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
97234	97234~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
97234	97234~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
97234	97234~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
97234	97234~NTP	p53-bla_ch2	Activator	EOC	gnls
97234	97234~NTP	p53-bla_ratio	Activator	EOC	hill
97234	97234~NTP	p53-bla_via	Repressor	EOC	hill.inv
97245	97245~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
97245	97245~FDA	esre-bla_ch2	Inactive	rfp	cnst
97245	97245~FDA	esre-bla_ratio	Activator	rfp	hill
97245	97245~FDA	esre-bla_via	Inactive	rfp	cnst
97245	97245~FDA	hse-bla_ch1	Repressor	cca	hill.inv
97245	97245~FDA	hse-bla_ch2	Activator	cca	hill
97245	97245~FDA	hse-bla_ratio	Activator	cca	hill
97245	97245~FDA	hse-bla_via	Repressor	cca	hill.inv
97245	97245~FDA	p53-bla_ch1	Repressor	cca	hill.inv
97245	97245~FDA	p53-bla_ch2	Activator	cca	hill
97245	97245~FDA	p53-bla_ratio	Activator	cca	hill
97245	97245~FDA	p53-bla_via	Repressor	cca	hill.inv
97245	97245~NTP	ap1-agonist_ch1	Repressor	rfp	hill.inv
97245	97245~NTP	ap1-agonist_ch2	Inactive	rfp	cnst
97245	97245~NTP	ap1-agonist_ratio	Activator	rfp	gnls
97245	97245~NTP	ap1-agonist_via	Repressor	rfp	hill.inv
97245	97245~NTP	are-bla_ch1	Repressor	EUC	hill.inv
97245	97245~NTP	are-bla_ch2	Activator	EUC	gnls
97245	97245~NTP	are-bla_ratio	Activator	EUC	gnls
97245	97245~NTP	are-bla_via	Repressor	EUC	hill.inv
97245	97245~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
97245	97245~NTP	esre-bla_ch2	Inactive	rfp	cnst
97245	97245~NTP	esre-bla_ratio	Activator	rfp	hill
97245	97245~NTP	esre-bla_via	Repressor	rfp	hill.inv
97245	97245~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
97245	97245~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
97245	97245~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
97245	97245~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
97245	97245~NTP	hse-bla_ch1	Repressor	cca	hill.inv
97245	97245~NTP	hse-bla_ch2	Activator	cca	gnls
97245	97245~NTP	hse-bla_ratio	Activator	cca	hill
97245	97245~NTP	hse-bla_via	Repressor	cca	hill.inv
97245	97245~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
97245	97245~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
97245	97245~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
97245	97245~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
97245	97245~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
97245	97245~NTP	p53-bla_ch2	Inactive	rfp	cnst
97245	97245~NTP	p53-bla_ratio	Activator	rfp	hill
97245	97245~NTP	p53-bla_via	Repressor	rfp	hill.inv
973217	973217~EPA	are-bla_ch1	Repressor	EUC	hill.inv
973217	973217~EPA	are-bla_ch2	Activator	EUC	gnls
973217	973217~EPA	are-bla_ratio	Activator	EUC	gnls
973217	973217~EPA	are-bla_via	Repressor	EUC	hill.inv
973217	973217~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
973217	973217~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
973217	973217~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
973217	973217~EPA	hre-bla-agonist_via	Complex	rfp	gnls
973217	973217~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
973217	973217~EPA	hse-bla_ch2	Inactive	rfp	cnst
973217	973217~EPA	hse-bla_ratio	Activator	rfp	hill
973217	973217~EPA	hse-bla_via	Repressor	rfp	hill.inv
973217	973217~EPA	p53-bla_ch1	Repressor	cca	hill.inv
973217	973217~EPA	p53-bla_ch2	Activator	cca	hill
973217	973217~EPA	p53-bla_ratio	Activator	cca	hill
973217	973217~EPA	p53-bla_via	Inactive	cca	cnst
97322877	97322877~EPA	are-bla_ch1	Repressor	cca	hill.inv
97322877	97322877~EPA	are-bla_ch2	Activator	cca	gnls
97322877	97322877~EPA	are-bla_ratio	Activator	cca	gnls
97322877	97322877~EPA	are-bla_via	Repressor	cca	hill.inv
97322877	97322877~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
97322877	97322877~EPA	hse-bla_ch2	Inactive	rfp	cnst
97322877	97322877~EPA	hse-bla_ratio	Activator	rfp	hill
97322877	97322877~EPA	hse-bla_via	Inactive	rfp	cnst
97322877	97322877~EPA	p53-bla_ch1	Repressor	EOC	hill.inv
97322877	97322877~EPA	p53-bla_ch2	Activator	EOC	hill
97322877	97322877~EPA	p53-bla_ratio	Activator	EOC	hill
97322877	97322877~EPA	p53-bla_via	Repressor	EOC	hill.inv
97322877	97322877~FDA	are-bla_ch1	Repressor	cca	hill.inv
97322877	97322877~FDA	are-bla_ch2	Activator	cca	hill
97322877	97322877~FDA	are-bla_ratio	Activator	cca	hill
97322877	97322877~FDA	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
97325	97325~NTP	are-bla_ch1	Inactive	cca	cnst
97325	97325~NTP	are-bla_ch2	Activator	cca	hill
97325	97325~NTP	are-bla_ratio	Activator	cca	hill
97325	97325~NTP	are-bla_via	Inactive	cca	cnst
97541	97541~EPA	are-bla_ch1	Inactive	cca	cnst
97541	97541~EPA	are-bla_ch2	Activator	cca	hill
97541	97541~EPA	are-bla_ratio	Activator	cca	hill
97541	97541~EPA	are-bla_via	Inactive	cca	cnst
97541	97541~NTP	are-bla_ch1	Inactive	EUC	cnst
97541	97541~NTP	are-bla_ch2	Activator	EUC	hill
97541	97541~NTP	are-bla_ratio	Activator	EUC	hill
97541	97541~NTP	are-bla_via	Inactive	EUC	cnst
97563	97563~EPA	are-bla_ch1	Repressor	cca	hill.inv
97563	97563~EPA	are-bla_ch2	Activator	cca	gnls
97563	97563~EPA	are-bla_ratio	Activator	cca	gnls
97563	97563~EPA	are-bla_via	Inactive	cca	cnst
97563	97563~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
97563	97563~EPA	p53-bla_ch2	Inactive	rfp	cnst
97563	97563~EPA	p53-bla_ratio	Activator	rfp	hill
97563	97563~EPA	p53-bla_via	Inactive	rfp	cnst
97563	97563~NTP	are-bla_ch1	Repressor	cca	hill.inv
97563	97563~NTP	are-bla_ch2	Activator	cca	gnls
97563	97563~NTP	are-bla_ratio	Activator	cca	hill
97563	97563~NTP	are-bla_via	Inactive	cca	cnst
97563	97563~NTP	p53-bla_ch1	Repressor	rfp	hill.inv
97563	97563~NTP	p53-bla_ch2	Inactive	rfp	cnst
97563	97563~NTP	p53-bla_ratio	Activator	rfp	hill
97563	97563~NTP	p53-bla_via	Inactive	rfp	cnst
976716	976716~FDA	are-bla_ch1	Inactive	cca	cnst
976716	976716~FDA	are-bla_ch2	Activator	cca	hill
976716	976716~FDA	are-bla_ratio	Activator	cca	hill
976716	976716~FDA	are-bla_via	Inactive	cca	cnst
97683313	97683313~FDA	are-bla_ch1	Inactive	cca	cnst
97683313	97683313~FDA	are-bla_ch2	Activator	cca	hill
97683313	97683313~FDA	are-bla_ratio	Activator	cca	hill
97683313	97683313~FDA	are-bla_via	Inactive	cca	cnst
97745	97745~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
97745	97745~EPA	ap1-agonist_ch2	Activator	cca	gnls
97745	97745~EPA	ap1-agonist_ratio	Activator	cca	hill
97745	97745~EPA	ap1-agonist_via	Repressor	cca	hill.inv
97745	97745~EPA	are-bla_ch1	Inactive	rfn	cnst
97745	97745~EPA	are-bla_ch2	Activator	rfn	gnls
97745	97745~EPA	are-bla_ratio	Inactive	rfn	hill.inv
97745	97745~EPA	are-bla_via	Repressor	rfn	hill.inv
97745	97745~EPA	esre-bla_ch1	Complex	EOC	gnls.inv
97745	97745~EPA	esre-bla_ch2	Activator	EOC	gnls

CAS	CASlib	endpoint	activity	call.type	win.mdl
97745	97745~EPA	esre-bla_ratio	Activator	EOC	gnls
97745	97745~EPA	esre-bla_via	Repressor	EOC	hill.inv
97745	97745~EPA	hse-bla_ch1	Repressor	cca	hill.inv
97745	97745~EPA	hse-bla_ch2	Activator	cca	gnls
97745	97745~EPA	hse-bla_ratio	Activator	cca	gnls
97745	97745~EPA	hse-bla_via	Repressor	cca	hill.inv
97745	97745~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	gnls.inv
97745	97745~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
97745	97745~EPA	nfkb-bla-agonist_ratio	Activator	rfp	gnls
97745	97745~EPA	nfkb-bla-agonist_via	Complex	rfp	gnls.inv
97745	97745~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
97745	97745~EPA	p53-bla_ch2	Inactive	rfp	cnst
97745	97745~EPA	p53-bla_ratio	Activator	rfp	hill
97745	97745~EPA	p53-bla_via	Repressor	rfp	hill.inv
97745	97745~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
97745	97745~FDA	ap1-agonist_ch2	Activator	EOC	gnls
97745	97745~FDA	ap1-agonist_ratio	Activator	EOC	gnls
97745	97745~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
97745	97745~FDA	are-bla_ch1	Inactive	cca	cnst
97745	97745~FDA	are-bla_ch2	Activator	cca	gnls
97745	97745~FDA	are-bla_ratio	Activator	cca	gnls
97745	97745~FDA	are-bla_via	Repressor	cca	hill.inv
97745	97745~FDA	esre-bla_ch1	Repressor	rfp	hill.inv
97745	97745~FDA	esre-bla_ch2	Inactive	rfp	cnst
97745	97745~FDA	esre-bla_ratio	Activator	rfp	hill
97745	97745~FDA	esre-bla_via	Inactive	rfp	cnst
97745	97745~FDA	hse-bla_ch1	Repressor	PUC	hill.inv
97745	97745~FDA	hse-bla_ch2	Activator	PUC	gnls
97745	97745~FDA	hse-bla_ratio	Activator	PUC	gnls
97745	97745~FDA	hse-bla_via	Complex	PUC	gnls.inv
97745	97745~FDA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
97745	97745~FDA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
97745	97745~FDA	nfkb-bla-agonist_ratio	Activator	rfp	hill
97745	97745~FDA	nfkb-bla-agonist_via	Inactive	rfp	cnst
97745	97745~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
97745	97745~NTP	ap1-agonist_ch2	Activator	cca	gnls
97745	97745~NTP	ap1-agonist_ratio	Activator	cca	gnls
97745	97745~NTP	ap1-agonist_via	Repressor	cca	hill.inv
97745	97745~NTP	are-bla_ch1	Inactive	EUC	cnst
97745	97745~NTP	are-bla_ch2	Activator	EUC	gnls
97745	97745~NTP	are-bla_ratio	Activator	EUC	gnls
97745	97745~NTP	are-bla_via	Repressor	EUC	hill.inv
97745	97745~NTP	hse-bla_ch1	Repressor	cca	hill.inv
97745	97745~NTP	hse-bla_ch2	Activator	cca	gnls
97745	97745~NTP	hse-bla_ratio	Activator	cca	hill
97745	97745~NTP	hse-bla_via	Complex	cca	gnls.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
97745	97745~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
97745	97745~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
97745	97745~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
97745	97745~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
97778	97778~EPA	ap1-agonist_ch1	Repressor	EOC	gnls.inv
97778	97778~EPA	ap1-agonist_ch2	Activator	EOC	gnls
97778	97778~EPA	ap1-agonist_ratio	Activator	EOC	gnls
97778	97778~EPA	ap1-agonist_via	Inactive	EOC	cnst
97778	97778~EPA	are-bla_ch1	Inactive	cca	cnst
97778	97778~EPA	are-bla_ch2	Activator	cca	gnls
97778	97778~EPA	are-bla_ratio	Activator	cca	gnls
97778	97778~EPA	are-bla_via	Repressor	cca	hill.inv
97778	97778~EPA	hse-bla_ch1	Repressor	EUC/POC	gnls.inv
97778	97778~EPA	hse-bla_ch2	Activator	EUC/POC	gnls
97778	97778~EPA	hse-bla_ratio	Activator	EUC/POC	gnls
97778	97778~EPA	hse-bla_via	Repressor	EUC/POC	gnls.inv
97778	97778~FDA	ap1-agonist_ch1	Repressor	EOC	hill.inv
97778	97778~FDA	ap1-agonist_ch2	Activator	EOC	gnls
97778	97778~FDA	ap1-agonist_ratio	Activator	EOC	gnls
97778	97778~FDA	ap1-agonist_via	Repressor	EOC	hill.inv
97778	97778~FDA	hse-bla_ch1	Repressor	POC	gnls.inv
97778	97778~FDA	hse-bla_ch2	Activator	POC	gnls
97778	97778~FDA	hse-bla_ratio	Activator	POC	gnls
97778	97778~FDA	hse-bla_via	Repressor	POC	gnls.inv
97778	97778~FDA	p53-bla_ch1	Inactive	cca	cnst
97778	97778~FDA	p53-bla_ch2	Activator	cca	gnls
97778	97778~FDA	p53-bla_ratio	Activator	cca	hill
97778	97778~FDA	p53-bla_via	Inactive	cca	cnst
97778	97778~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
97778	97778~NTP	ap1-agonist_ch2	Activator	EOC	gnls
97778	97778~NTP	ap1-agonist_ratio	Activator	EOC	gnls
97778	97778~NTP	ap1-agonist_via	Complex	EOC	gnls
97778	97778~NTP	hse-bla_ch1	Repressor	POC	gnls.inv
97778	97778~NTP	hse-bla_ch2	Activator	POC	gnls
97778	97778~NTP	hse-bla_ratio	Activator	POC	gnls
97778	97778~NTP	hse-bla_via	Repressor	POC	gnls.inv
97778	97778~NTP	p53-bla_ch1	Inactive	cca	cnst
97778	97778~NTP	p53-bla_ch2	Activator	cca	gnls
97778	97778~NTP	p53-bla_ratio	Activator	cca	gnls
97778	97778~NTP	p53-bla_via	Inactive	cca	cnst
97789	97789~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
97789	97789~EPA	ap1-agonist_ch2	Activator	cca	hill
97789	97789~EPA	ap1-agonist_ratio	Activator	cca	hill
97789	97789~EPA	ap1-agonist_via	Inactive	cca	cnst
97789	97789~EPA	are-bla_ch1	Inactive	cca	cnst
97789	97789~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
97789	97789~EPA	are-bla_ratio	Activator	cca	hill
97789	97789~EPA	are-bla_via	Inactive	cca	cnst
97869	97869~NTP	ap1-agonist_ch1	Repressor	EUC/PUC	hill.inv
97869	97869~NTP	ap1-agonist_ch2	Activator	EUC/PUC	gnls
97869	97869~NTP	ap1-agonist_ratio	Activator	EUC/PUC	hill
97869	97869~NTP	ap1-agonist_via	Repressor	EUC/PUC	hill.inv
979022	979022~FDA	are-bla_ch1	Inactive	cca	cnst
979022	979022~FDA	are-bla_ch2	Activator	cca	hill
979022	979022~FDA	are-bla_ratio	Activator	cca	hill
979022	979022~FDA	are-bla_via	Inactive	cca	cnst
98022	98022~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
98022	98022~NTP	ap1-agonist_ch2	Activator	cca	hill
98022	98022~NTP	ap1-agonist_ratio	Activator	cca	hill
98022	98022~NTP	ap1-agonist_via	Inactive	cca	cnst
98293	98293~EPA	are-bla_ch1	Inactive	EUC	cnst
98293	98293~EPA	are-bla_ch2	Activator	EUC	hill
98293	98293~EPA	are-bla_ratio	Activator	EUC	hill
98293	98293~EPA	are-bla_via	Inactive	EUC	cnst
98293	98293~FDA	are-bla_ch1	Inactive	cca	cnst
98293	98293~FDA	are-bla_ch2	Activator	cca	hill
98293	98293~FDA	are-bla_ratio	Activator	cca	hill
98293	98293~FDA	are-bla_via	Inactive	cca	cnst
98293	98293~FDA	hse-bla_ch1	Repressor	cca	hill.inv
98293	98293~FDA	hse-bla_ch2	Activator	cca	hill
98293	98293~FDA	hse-bla_ratio	Activator	cca	hill
98293	98293~FDA	hse-bla_via	Inactive	cca	cnst
98293	98293~NTP	are-bla_ch1	Inactive	cca	cnst
98293	98293~NTP	are-bla_ch2	Activator	cca	hill
98293	98293~NTP	are-bla_ratio	Activator	cca	hill
98293	98293~NTP	are-bla_via	Inactive	cca	cnst
98319267	98319267~EPA	are-bla_ch1	Inactive	EUC	cnst
98319267	98319267~EPA	are-bla_ch2	Activator	EUC	hill
98319267	98319267~EPA	are-bla_ratio	Activator	EUC	hill
98319267	98319267~EPA	are-bla_via	Inactive	EUC	cnst
98319267	98319267~NTP	are-bla_ch1	Inactive	EUC	cnst
98319267	98319267~NTP	are-bla_ch2	Activator	EUC	hill
98319267	98319267~NTP	are-bla_ratio	Activator	EUC	hill
98319267	98319267~NTP	are-bla_via	Inactive	EUC	cnst
98533	98533~EPA	ap1-agonist_ch1	Inactive	cca	cnst
98533	98533~EPA	ap1-agonist_ch2	Activator	cca	hill
98533	98533~EPA	ap1-agonist_ratio	Activator	cca	hill
98533	98533~EPA	ap1-agonist_via	Inactive	cca	cnst
98533	98533~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
98533	98533~EPA	esre-bla_ch2	Inactive	rfp	cnst
98533	98533~EPA	esre-bla_ratio	Activator	rfp	hill
98533	98533~EPA	esre-bla_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
98533	98533~EPA	hse-bla_ch1	Repressor	cca	hill.inv
98533	98533~EPA	hse-bla_ch2	Activator	cca	hill
98533	98533~EPA	hse-bla_ratio	Activator	cca	hill
98533	98533~EPA	hse-bla_via	Inactive	cca	cnst
98631959	98631959~FDA	p53-bla_ch1	Repressor	cca	hill.inv
98631959	98631959~FDA	p53-bla_ch2	Activator	cca	hill
98631959	98631959~FDA	p53-bla_ratio	Activator	cca	hill
98631959	98631959~FDA	p53-bla_via	Inactive	cca	cnst
98726	98726~EPA	are-bla_ch1	Repressor	cca	hill.inv
98726	98726~EPA	are-bla_ch2	Activator	cca	hill
98726	98726~EPA	are-bla_ratio	Activator	cca	hill
98726	98726~EPA	are-bla_via	Inactive	cca	cnst
98726	98726~FDA	are-bla_ch1	Inactive	cca	cnst
98726	98726~FDA	are-bla_ch2	Activator	cca	hill
98726	98726~FDA	are-bla_ratio	Activator	cca	hill
98726	98726~FDA	are-bla_via	Inactive	cca	cnst
98730042	98730042~EPA	are-bla_ch1	Repressor	cca	hill.inv
98730042	98730042~EPA	are-bla_ch2	Activator	cca	hill
98730042	98730042~EPA	are-bla_ratio	Activator	cca	hill
98730042	98730042~EPA	are-bla_via	Inactive	cca	cnst
98730042	98730042~EPA	p53-bla_ch1	Repressor	cca	hill.inv
98730042	98730042~EPA	p53-bla_ch2	Activator	cca	gnls
98730042	98730042~EPA	p53-bla_ratio	Activator	cca	gnls
98730042	98730042~EPA	p53-bla_via	Inactive	cca	cnst
98730042	98730042~NTP	are-bla_ch1	Repressor	cca	hill.inv
98730042	98730042~NTP	are-bla_ch2	Activator	cca	hill
98730042	98730042~NTP	are-bla_ratio	Activator	cca	hill
98730042	98730042~NTP	are-bla_via	Inactive	cca	cnst
98730042	98730042~NTP	p53-bla_ch1	Inactive	cca	cnst
98730042	98730042~NTP	p53-bla_ch2	Activator	cca	gnls
98730042	98730042~NTP	p53-bla_ratio	Activator	cca	gnls
98730042	98730042~NTP	p53-bla_via	Inactive	cca	cnst
98774233	98774233~FDA	ap1-agonist_ch1	Inactive	cca	cnst
98774233	98774233~FDA	ap1-agonist_ch2	Activator	cca	hill
98774233	98774233~FDA	ap1-agonist_ratio	Activator	cca	hill
98774233	98774233~FDA	ap1-agonist_via	Inactive	cca	cnst
98828	98828~NTP	ap1-agonist_ch1	Inactive	cca	cnst
98828	98828~NTP	ap1-agonist_ch2	Activator	cca	hill
98828	98828~NTP	ap1-agonist_ratio	Activator	cca	hill
98828	98828~NTP	ap1-agonist_via	Inactive	cca	cnst
98892752	98892752~NTP	are-bla_ch1	Inactive	cca	cnst
98892752	98892752~NTP	are-bla_ch2	Activator	cca	hill
98892752	98892752~NTP	are-bla_ratio	Activator	cca	hill
98892752	98892752~NTP	are-bla_via	Inactive	cca	cnst
989388	989388~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
989388	989388~EPA	ap1-agonist_ch2	Activator	cca	hill



CAS	CASlib	endpoint	activity	call.type	win.mdl
989388	989388~EPA	ap1-agonist_ratio	Activator	cca	hill
989388	989388~EPA	ap1-agonist_via	Inactive	cca	cnst
989388	989388~EPA	are-bla_ch1	Repressor	cca	hill.inv
989388	989388~EPA	are-bla_ch2	Activator	cca	gnls
989388	989388~EPA	are-bla_ratio	Activator	cca	gnls
989388	989388~EPA	are-bla_via	Repressor	cca	hill.inv
989388	989388~EPA	hse-bla_ch1	Repressor	EOC/PUC	hill.inv
989388	989388~EPA	hse-bla_ch2	Activator	EOC/PUC	gnls
989388	989388~EPA	hse-bla_ratio	Activator	EOC/PUC	hill
989388	989388~EPA	hse-bla_via	Repressor	EOC/PUC	hill.inv
989388	989388~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
989388	989388~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
989388	989388~EPA	p53-bla_ratio	Activator	rfp	hill
989388	989388~EPA	p53-bla_via	Repressor	rfp	hill.inv
989388	989388~NTP	ap1-agonist_ch1	Repressor	EOC	hill.inv
989388	989388~NTP	ap1-agonist_ch2	Activator	EOC	hill
989388	989388~NTP	ap1-agonist_ratio	Activator	EOC	hill
989388	989388~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
989388	989388~NTP	are-bla_ch1	Repressor	cca	gnls.inv
989388	989388~NTP	are-bla_ch2	Activator	cca	gnls
989388	989388~NTP	are-bla_ratio	Activator	cca	gnls
989388	989388~NTP	are-bla_via	Inactive	cca	cnst
989388	989388~NTP	p53-bla_ch1	Repressor	EOC	hill.inv
989388	989388~NTP	p53-bla_ch2	Activator	EOC	gnls
989388	989388~NTP	p53-bla_ratio	Activator	EOC	hill
989388	989388~NTP	p53-bla_via	Repressor	EOC	hill.inv
989515	989515~EPA	ap1-agonist_ch1	Inactive	cca	cnst
989515	989515~EPA	ap1-agonist_ch2	Activator	cca	hill
989515	989515~EPA	ap1-agonist_ratio	Activator	cca	hill
989515	989515~EPA	ap1-agonist_via	Inactive	cca	cnst
989515	989515~NTP	ap1-agonist_ch1	Repressor	cca	hill.inv
989515	989515~NTP	ap1-agonist_ch2	Activator	cca	hill
989515	989515~NTP	ap1-agonist_ratio	Activator	cca	hill
989515	989515~NTP	ap1-agonist_via	Inactive	cca	cnst
99070	99070~EPA	are-bla_ch1	Inactive	PUC	cnst
99070	99070~EPA	are-bla_ch2	Activator	PUC	hill
99070	99070~EPA	are-bla_ratio	Activator	PUC	hill
99070	99070~EPA	are-bla_via	Inactive	PUC	cnst
99070	99070~NTP	are-bla_ch1	Inactive	cca	cnst
99070	99070~NTP	are-bla_ch2	Activator	cca	hill
99070	99070~NTP	are-bla_ratio	Activator	cca	hill
99070	99070~NTP	are-bla_via	Inactive	cca	cnst
992596	992596~NTP	are-bla_ch1	Repressor	cca	hill.inv
992596	992596~NTP	are-bla_ch2	Activator	cca	gnls
992596	992596~NTP	are-bla_ratio	Activator	cca	gnls
992596	992596~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
993168	993168~EPA	are-bla_ch1	Inactive	PUC	cnst
993168	993168~EPA	are-bla_ch2	Activator	PUC	hill
993168	993168~EPA	are-bla_ratio	Activator	PUC	hill
993168	993168~EPA	are-bla_via	Inactive	PUC	cnst
99569	99569~EPA	are-bla_ch1	Repressor	cca	hill.inv
99569	99569~EPA	are-bla_ch2	Activator	cca	gnls
99569	99569~EPA	are-bla_ratio	Activator	cca	gnls
99569	99569~EPA	are-bla_via	Inactive	cca	cnst
99569	99569~NTP	are-bla_ch1	Repressor	cca	hill.inv
99569	99569~NTP	are-bla_ch2	Activator	cca	hill
99569	99569~NTP	are-bla_ratio	Activator	cca	gnls
99569	99569~NTP	are-bla_via	Inactive	cca	cnst
99570	99570~EPA	are-bla_ch1	Repressor	cca	hill.inv
99570	99570~EPA	are-bla_ch2	Activator	cca	hill
99570	99570~EPA	are-bla_ratio	Activator	cca	hill
99570	99570~EPA	are-bla_via	Inactive	cca	cnst
99570	99570~NTP	are-bla_ch1	Repressor	cca	hill.inv
99570	99570~NTP	are-bla_ch2	Activator	cca	hill
99570	99570~NTP	are-bla_ratio	Activator	cca	hill
99570	99570~NTP	are-bla_via	Inactive	cca	cnst
99607702	99607702~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
99607702	99607702~EPA	ap1-agonist_ch2	Activator	cca	gnls
99607702	99607702~EPA	ap1-agonist_ratio	Activator	cca	hill
99607702	99607702~EPA	ap1-agonist_via	Repressor	cca	hill.inv
99607702	99607702~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
99607702	99607702~EPA	hse-bla_ch2	Inactive	rfp	cnst
99607702	99607702~EPA	hse-bla_ratio	Activator	rfp	hill
99607702	99607702~EPA	hse-bla_via	Repressor	rfp	hill.inv
99650	99650~EPA	are-bla_ch1	Inactive	cca	cnst
99650	99650~EPA	are-bla_ch2	Activator	cca	hill
99650	99650~EPA	are-bla_ratio	Activator	cca	hill
99650	99650~EPA	are-bla_via	Inactive	cca	cnst
99650	99650~FDA	are-bla_ch1	Inactive	cca	cnst
99650	99650~FDA	are-bla_ch2	Activator	cca	hill
99650	99650~FDA	are-bla_ratio	Activator	cca	hill
99650	99650~FDA	are-bla_via	Inactive	cca	cnst
99650	99650~NTP	are-bla_ch1	Inactive	cca	cnst
99650	99650~NTP	are-bla_ch2	Activator	cca	hill
99650	99650~NTP	are-bla_ratio	Activator	cca	hill
99650	99650~NTP	are-bla_via	Inactive	cca	cnst
99755596	99755596~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
99755596	99755596~FDA	ap1-agonist_ch2	Activator	cca	hill
99755596	99755596~FDA	ap1-agonist_ratio	Activator	cca	hill
99755596	99755596~FDA	ap1-agonist_via	Inactive	cca	cnst
999213	999213~EPA	are-bla_ch1	Repressor	cca	hill.inv
999213	999213~EPA	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
999213	999213~EPA	are-bla_ratio	Activator	cca	hill
999213	999213~EPA	are-bla_via	Inactive	cca	cnst
99989	99989~NTP	are-bla_ch1	Repressor	cca	hill.inv
99989	99989~NTP	are-bla_ch2	Activator	cca	gnls
99989	99989~NTP	are-bla_ratio	Activator	cca	hill
99989	99989~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_20269	NOCAS_20269~NTP	ap1-agonist_ch1	Inactive	cca	cnst
NOCAS_20269	NOCAS_20269~NTP	ap1-agonist_ch2	Activator	cca	hill
NOCAS_20269	NOCAS_20269~NTP	ap1-agonist_ratio	Activator	cca	hill
NOCAS_20269	NOCAS_20269~NTP	ap1-agonist_via	Inactive	cca	cnst
NOCAS_34742	NOCAS_34742~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	ap1-agonist_ratio	Activator	rfp	hill
NOCAS_34742	NOCAS_34742~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	are-bla_ch1	Repressor	EUC	hill.inv
NOCAS_34742	NOCAS_34742~EPA	are-bla_ch2	Activator	EUC	gnls
NOCAS_34742	NOCAS_34742~EPA	are-bla_ratio	Activator	EUC	gnls
NOCAS_34742	NOCAS_34742~EPA	are-bla_via	Repressor	EUC	hill.inv
NOCAS_34742	NOCAS_34742~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	esre-bla_ratio	Activator	rfp	hill
NOCAS_34742	NOCAS_34742~EPA	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_34742	NOCAS_34742~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_34742	NOCAS_34742~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	hse-bla_ch1	Repressor	EOC	hill.inv
NOCAS_34742	NOCAS_34742~EPA	hse-bla_ch2	Activator	EOC	hill
NOCAS_34742	NOCAS_34742~EPA	hse-bla_ratio	Activator	EOC	hill
NOCAS_34742	NOCAS_34742~EPA	hse-bla_via	Repressor	EOC	hill.inv
NOCAS_34742	NOCAS_34742~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_34742	NOCAS_34742~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
NOCAS_34742	NOCAS_34742~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_34742	NOCAS_34742~EPA	p53-bla_ch1	Repressor	rfp	gnls.inv
NOCAS_34742	NOCAS_34742~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_34742	NOCAS_34742~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_34742	NOCAS_34742~EPA	p53-bla_via	Repressor	rfp	hill.inv
NOCAS_45111	NOCAS_45111~FDA	are-bla_ch1	Repressor	cca	hill.inv
NOCAS_45111	NOCAS_45111~FDA	are-bla_ch2	Activator	cca	gnls
NOCAS_45111	NOCAS_45111~FDA	are-bla_ratio	Activator	cca	gnls
NOCAS_45111	NOCAS_45111~FDA	are-bla_via	Repressor	cca	hill.inv
NOCAS_45111	NOCAS_45111~FDA	hre-bla-agonist_ch1	Repressor	cca	hill.inv
NOCAS_45111	NOCAS_45111~FDA	hre-bla-agonist_ch2	Activator	cca	gnls
NOCAS_45111	NOCAS_45111~FDA	hre-bla-agonist_ratio	Activator	cca	hill
NOCAS_45111	NOCAS_45111~FDA	hre-bla-agonist_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_45676	NOCAS_45676~FDA	ap1-agonist_ch1	Inactive	cca	cnst
NOCAS_45676	NOCAS_45676~FDA	ap1-agonist_ch2	Activator	cca	hill
NOCAS_45676	NOCAS_45676~FDA	ap1-agonist_ratio	Activator	cca	hill
NOCAS_45676	NOCAS_45676~FDA	ap1-agonist_via	Inactive	cca	cnst
NOCAS_47255	NOCAS_47255~EPA	are-bla_ch1	Inactive	EUC	cnst
NOCAS_47255	NOCAS_47255~EPA	are-bla_ch2	Activator	EUC	hill
NOCAS_47255	NOCAS_47255~EPA	are-bla_ratio	Activator	EUC	hill
NOCAS_47255	NOCAS_47255~EPA	are-bla_via	Inactive	EUC	cnst
NOCAS_47311	NOCAS_47311~EPA	are-bla_ch1	Repressor	EUC	hill.inv
NOCAS_47311	NOCAS_47311~EPA	are-bla_ch2	Activator	EUC	gnls
NOCAS_47311	NOCAS_47311~EPA	are-bla_ratio	Activator	EUC	hill
NOCAS_47311	NOCAS_47311~EPA	are-bla_via	Repressor	EUC	hill.inv
NOCAS_47325	NOCAS_47325~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
NOCAS_47325	NOCAS_47325~EPA	ap1-agonist_ch2	Activator	cca	hill
NOCAS_47325	NOCAS_47325~EPA	ap1-agonist_ratio	Activator	cca	hill
NOCAS_47325	NOCAS_47325~EPA	ap1-agonist_via	Inactive	cca	cnst
NOCAS_47325	NOCAS_47325~EPA	esre-bla_ch1	Inactive	cca	cnst
NOCAS_47325	NOCAS_47325~EPA	esre-bla_ch2	Activator	cca	hill
NOCAS_47325	NOCAS_47325~EPA	esre-bla_ratio	Activator	cca	hill
NOCAS_47325	NOCAS_47325~EPA	esre-bla_via	Inactive	cca	cnst
NOCAS_47328	NOCAS_47328~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	ap1-agonist_ratio	Activator	rfp	hill
NOCAS_47328	NOCAS_47328~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	are-bla_ch1	Repressor	cca	hill.inv
NOCAS_47328	NOCAS_47328~EPA	are-bla_ch2	Activator	cca	gnls
NOCAS_47328	NOCAS_47328~EPA	are-bla_ratio	Activator	cca	gnls
NOCAS_47328	NOCAS_47328~EPA	are-bla_via	Repressor	cca	hill.inv
NOCAS_47328	NOCAS_47328~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	esre-bla_ch2	Inactive	rfp	cnst
NOCAS_47328	NOCAS_47328~EPA	esre-bla_ratio	Activator	rfp	hill
NOCAS_47328	NOCAS_47328~EPA	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47328	NOCAS_47328~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47328	NOCAS_47328~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47328	NOCAS_47328~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47328	NOCAS_47328~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47328	NOCAS_47328~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_47330	NOCAS_47330~EPA	ap1-agonist_ch1	Activator	rfn	hill
NOCAS_47330	NOCAS_47330~EPA	ap1-agonist_ch2	Activator	rfn	hill
NOCAS_47330	NOCAS_47330~EPA	ap1-agonist_ratio	Inactive	rfn	cnst
NOCAS_47330	NOCAS_47330~EPA	ap1-agonist_via	Inactive	rfn	cnst
NOCAS_47330	NOCAS_47330~EPA	are-bla_ch1	Activator	rfn	hill
NOCAS_47330	NOCAS_47330~EPA	are-bla_ch2	Activator	rfn	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_47330	NOCAS_47330~EPA	are-bla_ratio	Inactive	rfn	cnst
NOCAS_47330	NOCAS_47330~EPA	are-bla_via	Inactive	rfn	cnst
NOCAS_47330	NOCAS_47330~EPA	esre-bla_ch1	Activator	rfn	hill
NOCAS_47330	NOCAS_47330~EPA	esre-bla_ch2	Activator	rfn	hill
NOCAS_47330	NOCAS_47330~EPA	esre-bla_ratio	Inactive	rfn	cnst
NOCAS_47330	NOCAS_47330~EPA	esre-bla_via	Inactive	rfn	cnst
NOCAS_47342	NOCAS_47342~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
NOCAS_47342	NOCAS_47342~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
NOCAS_47342	NOCAS_47342~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
NOCAS_47342	NOCAS_47342~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
NOCAS_47342	NOCAS_47342~EPA	are-bla_ch1	Repressor	PUC	hill.inv
NOCAS_47342	NOCAS_47342~EPA	are-bla_ch2	Activator	PUC	gnls
NOCAS_47342	NOCAS_47342~EPA	are-bla_ratio	Activator	PUC	gnls
NOCAS_47342	NOCAS_47342~EPA	are-bla_via	Repressor	PUC	hill.inv
NOCAS_47342	NOCAS_47342~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47342	NOCAS_47342~EPA	esre-bla_ch2	Inactive	rfp	cnst
NOCAS_47342	NOCAS_47342~EPA	esre-bla_ratio	Activator	rfp	hill
NOCAS_47342	NOCAS_47342~EPA	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_47342	NOCAS_47342~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47342	NOCAS_47342~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47342	NOCAS_47342~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47342	NOCAS_47342~EPA	nfkb-bla-agonist_via	Inactive	rfp	cnst
NOCAS_47349	NOCAS_47349~EPA	are-bla_ch1	Inactive	EOC/PUC	cnst
NOCAS_47349	NOCAS_47349~EPA	are-bla_ch2	Activator	EOC/PUC	hill
NOCAS_47349	NOCAS_47349~EPA	are-bla_ratio	Activator	EOC/PUC	hill
NOCAS_47349	NOCAS_47349~EPA	are-bla_via	Inactive	EOC/PUC	cnst
NOCAS_47351	NOCAS_47351~EPA	are-bla_ch1	Repressor	EUC	hill.inv
NOCAS_47351	NOCAS_47351~EPA	are-bla_ch2	Activator	EUC	gnls
NOCAS_47351	NOCAS_47351~EPA	are-bla_ratio	Activator	EUC	gnls
NOCAS_47351	NOCAS_47351~EPA	are-bla_via	Repressor	EUC	hill.inv
NOCAS_47353	NOCAS_47353~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
NOCAS_47353	NOCAS_47353~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
NOCAS_47353	NOCAS_47353~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
NOCAS_47353	NOCAS_47353~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
NOCAS_47353	NOCAS_47353~EPA	are-bla_ch1	Repressor	rfn	hill.inv
NOCAS_47353	NOCAS_47353~EPA	are-bla_ch2	Activator	rfn	gnls
NOCAS_47353	NOCAS_47353~EPA	are-bla_ratio	Inactive	rfn	gnls.inv
NOCAS_47353	NOCAS_47353~EPA	are-bla_via	Repressor	rfn	hill.inv
NOCAS_47353	NOCAS_47353~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	esre-bla_ratio	Activator	rfp	hill
NOCAS_47353	NOCAS_47353~EPA	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47353	NOCAS_47353~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47353	NOCAS_47353~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_47353	NOCAS_47353~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	hse-bla_ch2	Inactive	rfp	cnst
NOCAS_47353	NOCAS_47353~EPA	hse-bla_ratio	Activator	rfp	hill
NOCAS_47353	NOCAS_47353~EPA	hse-bla_via	Repressor	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
NOCAS_47353	NOCAS_47353~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47353	NOCAS_47353~EPA	p53-bla_via	Repressor	rfp	hill.inv
NOCAS_47362	NOCAS_47362~EPA	are-bla_ch1	Inactive	cca	cnst
NOCAS_47362	NOCAS_47362~EPA	are-bla_ch2	Activator	cca	gnls
NOCAS_47362	NOCAS_47362~EPA	are-bla_ratio	Activator	cca	gnls
NOCAS_47362	NOCAS_47362~EPA	are-bla_via	Repressor	cca	hill.inv
NOCAS_47364	NOCAS_47364~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
NOCAS_47364	NOCAS_47364~EPA	ap1-agonist_ch2	Activator	cca	hill
NOCAS_47364	NOCAS_47364~EPA	ap1-agonist_ratio	Activator	cca	hill
NOCAS_47364	NOCAS_47364~EPA	ap1-agonist_via	Inactive	cca	cnst
NOCAS_47366	NOCAS_47366~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47366	NOCAS_47366~EPA	ap1-agonist_ch2	Inactive	rfp	cnst
NOCAS_47366	NOCAS_47366~EPA	ap1-agonist_ratio	Activator	rfp	gnls
NOCAS_47366	NOCAS_47366~EPA	ap1-agonist_via	Repressor	rfp	hill.inv
NOCAS_47366	NOCAS_47366~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47366	NOCAS_47366~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47366	NOCAS_47366~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47366	NOCAS_47366~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_47366	NOCAS_47366~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47366	NOCAS_47366~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_47366	NOCAS_47366~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47366	NOCAS_47366~EPA	p53-bla_via	Inactive	rfp	cnst
NOCAS_47374	NOCAS_47374~EPA	are-bla_ch1	Repressor	cca	hill.inv
NOCAS_47374	NOCAS_47374~EPA	are-bla_ch2	Activator	cca	gnls
NOCAS_47374	NOCAS_47374~EPA	are-bla_ratio	Activator	cca	hill
NOCAS_47374	NOCAS_47374~EPA	are-bla_via	Inactive	cca	cnst
NOCAS_47374	NOCAS_47374~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47374	NOCAS_47374~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_47374	NOCAS_47374~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47374	NOCAS_47374~EPA	p53-bla_via	Inactive	rfp	cnst
NOCAS_47377	NOCAS_47377~EPA	ap1-agonist_ch1	Repressor	EOC/PUC	hill.inv
NOCAS_47377	NOCAS_47377~EPA	ap1-agonist_ch2	Activator	EOC/PUC	gnls
NOCAS_47377	NOCAS_47377~EPA	ap1-agonist_ratio	Activator	EOC/PUC	hill
NOCAS_47377	NOCAS_47377~EPA	ap1-agonist_via	Repressor	EOC/PUC	hill.inv
NOCAS_47377	NOCAS_47377~EPA	are-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	are-bla_ch2	Inactive	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	are-bla_ratio	Activator	rfp	hill
NOCAS_47377	NOCAS_47377~EPA	are-bla_via	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	esre-bla_ch2	Inactive	rfp	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_47377	NOCAS_47377~EPA	esre-bla_ratio	Activator	rfp	hill
NOCAS_47377	NOCAS_47377~EPA	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47377	NOCAS_47377~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47377	NOCAS_47377~EPA	hre-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	hse-bla_ch2	Inactive	rfp	cnst
NOCAS_47377	NOCAS_47377~EPA	hse-bla_ratio	Activator	rfp	hill
NOCAS_47377	NOCAS_47377~EPA	hse-bla_via	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47377	NOCAS_47377~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47377	NOCAS_47377~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	p53-bla_ch2	Inactive	rfp	hill.inv
NOCAS_47377	NOCAS_47377~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47377	NOCAS_47377~EPA	p53-bla_via	Repressor	rfp	hill.inv
NOCAS_47379	NOCAS_47379~EPA	are-bla_ch1	Repressor	EUC	hill.inv
NOCAS_47379	NOCAS_47379~EPA	are-bla_ch2	Activator	EUC	gnls
NOCAS_47379	NOCAS_47379~EPA	are-bla_ratio	Activator	EUC	gnls
NOCAS_47379	NOCAS_47379~EPA	are-bla_via	Repressor	EUC	hill.inv
NOCAS_47379	NOCAS_47379~EPA	esre-bla_ch1	Repressor	cca	hill.inv
NOCAS_47379	NOCAS_47379~EPA	esre-bla_ch2	Activator	cca	hill
NOCAS_47379	NOCAS_47379~EPA	esre-bla_ratio	Activator	cca	hill
NOCAS_47379	NOCAS_47379~EPA	esre-bla_via	Inactive	cca	cnst
NOCAS_47379	NOCAS_47379~EPA	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47379	NOCAS_47379~EPA	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47379	NOCAS_47379~EPA	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47379	NOCAS_47379~EPA	hre-bla-agonist_via	Repressor	rfp	gnls.inv
NOCAS_47379	NOCAS_47379~EPA	hse-bla_ch1	Repressor	cca	gnls.inv
NOCAS_47379	NOCAS_47379~EPA	hse-bla_ch2	Activator	cca	hill
NOCAS_47379	NOCAS_47379~EPA	hse-bla_ratio	Activator	cca	hill
NOCAS_47379	NOCAS_47379~EPA	hse-bla_via	Inactive	cca	cnst
NOCAS_47379	NOCAS_47379~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47379	NOCAS_47379~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_47379	NOCAS_47379~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47379	NOCAS_47379~EPA	p53-bla_via	Inactive	rfp	cnst
NOCAS_47381	NOCAS_47381~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
NOCAS_47381	NOCAS_47381~EPA	ap1-agonist_ch2	Activator	cca	gnls
NOCAS_47381	NOCAS_47381~EPA	ap1-agonist_ratio	Activator	cca	hill
NOCAS_47381	NOCAS_47381~EPA	ap1-agonist_via	Repressor	cca	hill.inv
NOCAS_47381	NOCAS_47381~EPA	are-bla_ch1	Repressor	cca	hill.inv
NOCAS_47381	NOCAS_47381~EPA	are-bla_ch2	Activator	cca	gnls
NOCAS_47381	NOCAS_47381~EPA	are-bla_ratio	Activator	cca	gnls
NOCAS_47381	NOCAS_47381~EPA	are-bla_via	Repressor	cca	hill.inv

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_47381	NOCAS_47381~EPA	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	esre-bla_ch2	Inactive	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	esre-bla_ratio	Activator	rfp	hill
NOCAS_47381	NOCAS_47381~EPA	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	hre-bla-agonist_ch1	Repressor	EOC/PUC	hill.inv
NOCAS_47381	NOCAS_47381~EPA	hre-bla-agonist_ch2	Activator	EOC/PUC	hill
NOCAS_47381	NOCAS_47381~EPA	hre-bla-agonist_ratio	Activator	EOC/PUC	hill
NOCAS_47381	NOCAS_47381~EPA	hre-bla-agonist_via	Repressor	EOC/PUC	hill.inv
NOCAS_47381	NOCAS_47381~EPA	hse-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	hse-bla_ch2	Inactive	rfp	cnst
NOCAS_47381	NOCAS_47381~EPA	hse-bla_ratio	Activator	rfp	hill
NOCAS_47381	NOCAS_47381~EPA	hse-bla_via	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_47381	NOCAS_47381~EPA	nfkb-bla-agonist_ratio	Activator	rfp	hill
NOCAS_47381	NOCAS_47381~EPA	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47381	NOCAS_47381~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_47381	NOCAS_47381~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47381	NOCAS_47381~EPA	p53-bla_via	Repressor	rfp	hill.inv
NOCAS_47387	NOCAS_47387~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_47387	NOCAS_47387~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_47387	NOCAS_47387~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_47387	NOCAS_47387~EPA	p53-bla_via	Repressor	rfp	hill.inv
NOCAS_47389	NOCAS_47389~EPA	ap1-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_47389	NOCAS_47389~EPA	ap1-agonist_ch2	Inactive	rfp	hill.inv
NOCAS_47389	NOCAS_47389~EPA	ap1-agonist_ratio	Activator	rfp	gnls
NOCAS_47389	NOCAS_47389~EPA	ap1-agonist_via	Inactive	rfp	cnst
NOCAS_47817	NOCAS_47817~FDA	are-bla_ch1	Inactive	cca	cnst
NOCAS_47817	NOCAS_47817~FDA	are-bla_ch2	Activator	cca	hill
NOCAS_47817	NOCAS_47817~FDA	are-bla_ratio	Activator	cca	hill
NOCAS_47817	NOCAS_47817~FDA	are-bla_via	Repressor	cca	hill.inv
NOCAS_47817	NOCAS_47817~FDA	p53-bla_ch1	Repressor	cca	hill.inv
NOCAS_47817	NOCAS_47817~FDA	p53-bla_ch2	Activator	cca	gnls
NOCAS_47817	NOCAS_47817~FDA	p53-bla_ratio	Activator	cca	hill
NOCAS_47817	NOCAS_47817~FDA	p53-bla_via	Repressor	cca	hill.inv
NOCAS_48172	NOCAS_48172~EPA	are-bla_ch1	Inactive	cca	cnst
NOCAS_48172	NOCAS_48172~EPA	are-bla_ch2	Activator	cca	hill
NOCAS_48172	NOCAS_48172~EPA	are-bla_ratio	Activator	cca	hill
NOCAS_48172	NOCAS_48172~EPA	are-bla_via	Inactive	cca	cnst
NOCAS_48505	NOCAS_48505~EPA	are-bla_ch1	Repressor	rfn	hill.inv
NOCAS_48505	NOCAS_48505~EPA	are-bla_ch2	Activator	rfn	gnls
NOCAS_48505	NOCAS_48505~EPA	are-bla_ratio	Inactive	rfn	cnst
NOCAS_48505	NOCAS_48505~EPA	are-bla_via	Repressor	rfn	hill.inv
NOCAS_48505	NOCAS_48505~EPA	p53-bla_ch1	Repressor	cca	hill.inv
NOCAS_48505	NOCAS_48505~EPA	p53-bla_ch2	Activator	cca	gnls



CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_48505	NOCAS_48505~EPA	p53-bla_ratio	Activator	cca	gnls
NOCAS_48505	NOCAS_48505~EPA	p53-bla_via	Complex	cca	gnls
NOCAS_48507	NOCAS_48507~EPA	are-bla_ch1	Repressor	cca	hill.inv
NOCAS_48507	NOCAS_48507~EPA	are-bla_ch2	Activator	cca	hill
NOCAS_48507	NOCAS_48507~EPA	are-bla_ratio	Activator	cca	hill
NOCAS_48507	NOCAS_48507~EPA	are-bla_via	Inactive	cca	cnst
NOCAS_48514	NOCAS_48514~EPA	p53-bla_ch1	Repressor	cca	hill.inv
NOCAS_48514	NOCAS_48514~EPA	p53-bla_ch2	Activator	cca	hill
NOCAS_48514	NOCAS_48514~EPA	p53-bla_ratio	Activator	cca	hill
NOCAS_48514	NOCAS_48514~EPA	p53-bla_via	Inactive	cca	cnst
NOCAS_48516	NOCAS_48516~EPA	p53-bla_ch1	Repressor	cca	hill.inv
NOCAS_48516	NOCAS_48516~EPA	p53-bla_ch2	Activator	cca	hill
NOCAS_48516	NOCAS_48516~EPA	p53-bla_ratio	Activator	cca	hill
NOCAS_48516	NOCAS_48516~EPA	p53-bla_via	Inactive	cca	cnst
NOCAS_48518	NOCAS_48518~EPA	p53-bla_ch1	Inactive	cca	cnst
NOCAS_48518	NOCAS_48518~EPA	p53-bla_ch2	Activator	cca	hill
NOCAS_48518	NOCAS_48518~EPA	p53-bla_ratio	Activator	cca	hill
NOCAS_48518	NOCAS_48518~EPA	p53-bla_via	Inactive	cca	cnst
NOCAS_48522	NOCAS_48522~EPA	ap1-agonist_ch1	Repressor	cca	hill.inv
NOCAS_48522	NOCAS_48522~EPA	ap1-agonist_ch2	Activator	cca	hill
NOCAS_48522	NOCAS_48522~EPA	ap1-agonist_ratio	Activator	cca	hill
NOCAS_48522	NOCAS_48522~EPA	ap1-agonist_via	Inactive	cca	cnst
NOCAS_48522	NOCAS_48522~EPA	are-bla_ch1	Inactive	cca	cnst
NOCAS_48522	NOCAS_48522~EPA	are-bla_ch2	Activator	cca	hill
NOCAS_48522	NOCAS_48522~EPA	are-bla_ratio	Activator	cca	hill
NOCAS_48522	NOCAS_48522~EPA	are-bla_via	Repressor	cca	hill.inv
NOCAS_48522	NOCAS_48522~EPA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_48522	NOCAS_48522~EPA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_48522	NOCAS_48522~EPA	p53-bla_ratio	Activator	rfp	hill
NOCAS_48522	NOCAS_48522~EPA	p53-bla_via	Inactive	rfp	cnst
NOCAS_48522	NOCAS_48522~FDA	p53-bla_ch1	Repressor	rfp	hill.inv
NOCAS_48522	NOCAS_48522~FDA	p53-bla_ch2	Inactive	rfp	cnst
NOCAS_48522	NOCAS_48522~FDA	p53-bla_ratio	Activator	rfp	hill
NOCAS_48522	NOCAS_48522~FDA	p53-bla_via	Repressor	rfp	hill.inv
NOCAS_48792	NOCAS_48792~FDA	p53-bla_ch1	Inactive	cca	cnst
NOCAS_48792	NOCAS_48792~FDA	p53-bla_ch2	Activator	cca	hill
NOCAS_48792	NOCAS_48792~FDA	p53-bla_ratio	Activator	cca	hill
NOCAS_48792	NOCAS_48792~FDA	p53-bla_via	Inactive	cca	cnst
NOCAS_48895	NOCAS_48895~FDA	ap1-agonist_ch1	Repressor	cca	hill.inv
NOCAS_48895	NOCAS_48895~FDA	ap1-agonist_ch2	Activator	cca	hill
NOCAS_48895	NOCAS_48895~FDA	ap1-agonist_ratio	Activator	cca	hill
NOCAS_48895	NOCAS_48895~FDA	ap1-agonist_via	Inactive	cca	cnst
NOCAS_49389	NOCAS_49389~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49389	NOCAS_49389~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49389	NOCAS_49389~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49389	NOCAS_49389~NTP	are-bla_via	Inactive	cca	cnst

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_49391	NOCAS_49391~NTP	ap1-agonist_ch1	Repressor	EOC	gnls.inv
NOCAS_49391	NOCAS_49391~NTP	ap1-agonist_ch2	Activator	EOC	gnls
NOCAS_49391	NOCAS_49391~NTP	ap1-agonist_ratio	Activator	EOC	gnls
NOCAS_49391	NOCAS_49391~NTP	ap1-agonist_via	Repressor	EOC	hill.inv
NOCAS_49391	NOCAS_49391~NTP	are-bla_ch1	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	are-bla_ch2	Inactive	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	are-bla_ratio	Activator	rfp	hill
NOCAS_49391	NOCAS_49391~NTP	are-bla_via	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	esre-bla_ch1	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	esre-bla_ch2	Inactive	rfp	gnls.inv
NOCAS_49391	NOCAS_49391~NTP	esre-bla_ratio	Activator	rfp	hill
NOCAS_49391	NOCAS_49391~NTP	esre-bla_via	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	hre-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	hre-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_49391	NOCAS_49391~NTP	hre-bla-agonist_ratio	Activator	rfp	hill
NOCAS_49391	NOCAS_49391~NTP	hre-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	hse-bla_ch1	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	hse-bla_ch2	Inactive	rfp	cnst
NOCAS_49391	NOCAS_49391~NTP	hse-bla_ratio	Activator	rfp	hill
NOCAS_49391	NOCAS_49391~NTP	hse-bla_via	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	nfkb-bla-agonist_ch1	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	nfkb-bla-agonist_ch2	Inactive	rfp	cnst
NOCAS_49391	NOCAS_49391~NTP	nfkb-bla-agonist_ratio	Activator	rfp	hill
NOCAS_49391	NOCAS_49391~NTP	nfkb-bla-agonist_via	Repressor	rfp	hill.inv
NOCAS_49391	NOCAS_49391~NTP	p53-bla_ch1	Repressor	EOC/PUC	hill.inv
NOCAS_49391	NOCAS_49391~NTP	p53-bla_ch2	Activator	EOC/PUC	gnls
NOCAS_49391	NOCAS_49391~NTP	p53-bla_ratio	Activator	EOC/PUC	hill
NOCAS_49391	NOCAS_49391~NTP	p53-bla_via	Repressor	EOC/PUC	hill.inv
NOCAS_49450	NOCAS_49450~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49450	NOCAS_49450~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49450	NOCAS_49450~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49450	NOCAS_49450~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49489	NOCAS_49489~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49489	NOCAS_49489~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49489	NOCAS_49489~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49489	NOCAS_49489~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49495	NOCAS_49495~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49495	NOCAS_49495~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49495	NOCAS_49495~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49495	NOCAS_49495~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49504	NOCAS_49504~NTP	are-bla_ch1	Inactive	rfn	cnst
NOCAS_49504	NOCAS_49504~NTP	are-bla_ch2	Activator	rfn	hill
NOCAS_49504	NOCAS_49504~NTP	are-bla_ratio	Inactive	rfn	cnst
NOCAS_49504	NOCAS_49504~NTP	are-bla_via	Inactive	rfn	cnst
NOCAS_49511	NOCAS_49511~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49511	NOCAS_49511~NTP	are-bla_ch2	Activator	cca	hill

CAS	CASlib	endpoint	activity	call.type	win.mdl
NOCAS_49511	NOCAS_49511~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49511	NOCAS_49511~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49512	NOCAS_49512~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49512	NOCAS_49512~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49512	NOCAS_49512~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49512	NOCAS_49512~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49514	NOCAS_49514~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49514	NOCAS_49514~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49514	NOCAS_49514~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49514	NOCAS_49514~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49516	NOCAS_49516~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49516	NOCAS_49516~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49516	NOCAS_49516~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49516	NOCAS_49516~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49529	NOCAS_49529~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49529	NOCAS_49529~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49529	NOCAS_49529~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49529	NOCAS_49529~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49530	NOCAS_49530~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49530	NOCAS_49530~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49530	NOCAS_49530~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49530	NOCAS_49530~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49531	NOCAS_49531~NTP	are-bla_ch1	Repressor	cca	hill.inv
NOCAS_49531	NOCAS_49531~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49531	NOCAS_49531~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49531	NOCAS_49531~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49535	NOCAS_49535~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49535	NOCAS_49535~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49535	NOCAS_49535~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49535	NOCAS_49535~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49539	NOCAS_49539~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49539	NOCAS_49539~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49539	NOCAS_49539~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49539	NOCAS_49539~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49551	NOCAS_49551~NTP	are-bla_ch1	Inactive	EUC	cnst
NOCAS_49551	NOCAS_49551~NTP	are-bla_ch2	Activator	EUC	hill
NOCAS_49551	NOCAS_49551~NTP	are-bla_ratio	Activator	EUC	hill
NOCAS_49551	NOCAS_49551~NTP	are-bla_via	Inactive	EUC	cnst
NOCAS_49552	NOCAS_49552~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49552	NOCAS_49552~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49552	NOCAS_49552~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49552	NOCAS_49552~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49554	NOCAS_49554~NTP	are-bla_ch1	Inactive	EUC	cnst
NOCAS_49554	NOCAS_49554~NTP	are-bla_ch2	Activator	EUC	hill
NOCAS_49554	NOCAS_49554~NTP	are-bla_ratio	Activator	EUC	hill
NOCAS_49554	NOCAS_49554~NTP	are-bla_via	Inactive	EUC	cnst

<b>CAS</b>	<b>CASlib</b>	<b>endpoint</b>	<b>activity</b>	<b>call.type</b>	<b>win.mdl</b>
NOCAS_49555	NOCAS_49555~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49555	NOCAS_49555~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49555	NOCAS_49555~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49555	NOCAS_49555~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49556	NOCAS_49556~NTP	are-bla_ch1	Inactive	cca	cnst
NOCAS_49556	NOCAS_49556~NTP	are-bla_ch2	Activator	cca	hill
NOCAS_49556	NOCAS_49556~NTP	are-bla_ratio	Activator	cca	hill
NOCAS_49556	NOCAS_49556~NTP	are-bla_via	Inactive	cca	cnst
NOCAS_49557	NOCAS_49557~NTP	are-bla_ch1	Inactive	rfn	cnst
NOCAS_49557	NOCAS_49557~NTP	are-bla_ch2	Activator	rfn	hill
NOCAS_49557	NOCAS_49557~NTP	are-bla_ratio	Inactive	rfn	cnst
NOCAS_49557	NOCAS_49557~NTP	are-bla_via	Inactive	rfn	cnst

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-145.5	293.1	293.0	6.5
1.0	15.0	3.0	0.0	0.0	-159.2	330.0	328.5	9.3
1.0	15.0	2.0	0.0	0.0	-115.9	243.4	241.9	3.6
1.0	15.0	0.0	0.0	0.0	-183.7	369.4	369.3	14.8
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.7	3.4
0.5	15.0	2.0	1.0	0.0	-162.0	344.0	340.0	12.9
0.7	15.0	2.0	0.0	0.0	-131.7	283.3	279.3	7.0
1.0	15.0	0.0	0.0	0.0	-149.0	300.2	300.1	10.5
1.0	15.0	0.0	2.0	0.0	-129.4	270.3	268.7	5.1
1.0	15.0	4.0	0.0	0.0	-187.2	386.0	384.5	17.3
1.0	15.0	3.0	0.0	0.0	-154.1	319.7	318.2	13.7
1.0	15.0	0.0	0.0	0.0	-158.4	318.9	318.8	8.4
1.0	15.0	0.0	2.0	0.0	-111.9	235.3	233.8	2.8
0.9	15.0	1.0	0.0	0.0	-145.5	311.0	307.0	7.8
0.9	15.0	2.0	0.0	0.0	-140.7	293.0	291.4	11.4
1.0	15.0	0.0	0.0	0.0	-130.0	262.0	261.9	6.5
1.0	15.0	0.0	4.0	0.0	-757.6	1525.5	1525.3	4.0
0.8	15.0	5.0	0.0	0.0	-1035.4	2080.9	2080.7	12.0
0.7	15.0	5.0	0.0	0.0	-861.5	1733.1	1732.9	6.3
1.0	15.0	0.0	0.0	0.0	-895.3	1792.7	1792.7	7.0
1.0	15.0	0.0	4.0	0.0	-533.1	1076.5	1076.2	5.0
0.9	15.0	5.0	0.0	0.0	-654.3	1319.0	1318.7	9.7
1.0	15.0	5.0	0.0	0.0	-573.6	1157.5	1157.1	6.4
1.0	15.0	0.0	0.0	0.0	-631.6	1265.3	1265.3	8.3
0.9	15.0	0.0	4.0	0.0	-819.1	1648.5	1648.3	5.3
0.9	15.0	7.0	0.0	0.0	-1076.1	2162.4	2162.1	13.2
1.0	15.0	5.0	0.0	0.0	-988.9	1988.0	1987.8	11.5
1.0	15.0	0.0	0.0	0.0	-958.0	1917.9	1917.9	8.5
1.0	15.0	0.0	2.0	0.0	-141.5	294.6	293.1	6.0
1.0	15.0	2.0	0.0	0.0	-136.6	284.8	283.3	6.0
1.0	15.0	2.0	0.0	0.0	-143.3	298.0	296.5	7.5
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	5.7
1.0	15.0	0.0	4.0	0.0	-143.8	299.1	297.6	6.3
1.0	15.0	8.0	0.0	0.0	-188.0	387.5	385.9	21.9
1.0	15.0	7.0	0.0	0.0	-164.1	339.8	338.2	14.3
1.0	15.0	0.0	0.0	0.0	-151.4	304.8	304.7	8.8
1.0	15.0	0.0	1.0	0.0	-122.2	255.9	254.3	3.8
1.0	15.0	0.0	0.0	0.0	-88.7	179.5	179.4	2.8
1.0	15.0	1.0	0.0	0.0	-93.4	198.4	196.9	2.0
1.0	15.0	1.0	0.0	0.0	-156.6	324.8	323.2	12.1
1.0	15.0	0.0	2.0	0.0	-111.9	235.3	233.8	3.1
1.0	15.0	4.0	0.0	0.0	-131.3	282.6	278.6	12.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-125.5	271.0	267.0	9.2
1.0	15.0	0.0	0.0	0.0	-176.8	355.7	355.6	13.6
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	4.5
1.0	15.0	4.0	0.0	0.0	-116.7	245.0	243.4	4.7
1.0	15.0	1.0	0.0	0.0	-113.6	238.7	237.2	4.1
1.0	15.0	0.0	0.0	0.0	-144.2	290.5	290.4	5.9
1.0	15.0	0.0	3.0	0.0	-296.0	602.6	601.9	6.1
1.0	15.0	4.0	0.0	0.0	-321.5	660.9	659.0	11.9
1.0	15.0	4.0	0.0	0.0	-308.0	626.7	626.0	8.9
1.0	15.0	0.0	0.0	0.0	-292.6	587.3	587.2	6.6
1.0	15.0	0.0	2.0	0.0	-238.5	487.7	487.0	3.7
1.0	15.0	6.0	0.0	0.0	-315.6	642.0	641.3	12.5
1.0	15.0	6.0	0.0	0.0	-306.9	624.6	623.9	10.0
1.0	15.0	0.0	0.0	0.0	-287.4	576.9	576.8	6.0
1.0	15.0	0.0	0.0	0.0	-135.2	272.6	272.5	5.2
1.0	15.0	3.0	0.0	0.0	-144.2	299.9	298.3	8.6
1.0	15.0	3.0	0.0	0.0	-127.6	266.7	265.1	8.0
1.0	15.0	0.0	0.0	0.0	-128.8	259.6	259.5	5.1
1.0	15.0	0.0	3.0	0.0	-120.6	252.7	251.2	3.4
1.0	15.0	5.0	0.0	0.0	-130.3	272.2	270.6	6.6
1.0	15.0	5.0	0.0	0.0	-126.7	265.0	263.5	5.4
1.0	15.0	0.0	1.0	0.0	-173.8	349.7	349.6	11.1
1.0	15.0	0.0	2.0	0.0	-116.6	244.7	243.1	4.0
1.0	15.0	1.0	1.0	0.0	-134.7	280.8	279.3	5.2
1.0	15.0	2.0	0.0	0.0	-119.8	251.1	249.6	3.7
1.0	15.0	0.0	1.0	0.0	-128.3	268.2	266.6	4.6
0.9	15.0	0.0	1.0	0.0	-131.0	273.6	272.0	7.6
1.0	15.0	0.0	0.0	0.0	-99.6	201.3	201.2	3.7
0.7	15.0	1.0	0.0	0.0	-114.7	240.9	239.3	6.2
1.0	15.0	0.0	1.0	0.0	-146.3	304.1	302.6	6.9
1.0	15.0	0.0	1.0	0.0	-127.0	265.6	264.1	4.0
1.0	15.0	0.0	0.0	0.0	-71.5	145.1	145.0	1.2
1.0	15.0	1.0	0.0	0.0	-93.1	197.7	196.2	7.9
1.0	15.0	0.0	1.0	0.0	-168.8	349.2	347.7	10.7
1.0	15.0	0.0	1.0	0.0	-134.5	280.6	279.1	5.5
1.0	15.0	0.0	1.0	0.0	-108.7	229.0	227.5	2.7
0.9	15.0	1.0	0.0	0.0	-113.9	239.3	237.8	20.5
1.0	15.0	0.0	1.0	0.0	-164.3	340.2	338.6	10.9
0.9	15.0	0.0	7.0	0.0	-138.7	289.0	287.5	5.6
1.0	15.0	3.0	5.0	0.0	-142.5	305.0	301.0	6.4
1.0	15.0	6.0	0.0	0.0	-160.7	333.0	331.4	9.8
1.0	15.0	0.0	5.0	0.0	-159.7	330.9	329.4	8.8
1.0	15.0	0.0	6.0	0.0	-139.4	290.4	288.9	5.4
1.0	15.0	2.0	5.0	0.0	-210.7	441.5	437.5	43.8
1.0	15.0	3.0	3.0	0.0	-176.2	372.4	368.4	20.0
1.0	15.0	0.0	6.0	0.0	-159.0	329.5	328.0	11.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	2.0	0.0	-148.2	316.4	312.4	7.9
1.0	15.0	0.0	0.0	0.0	-121.2	244.5	244.4	4.5
1.0	15.0	2.0	2.0	0.0	-153.5	318.5	316.9	8.2
1.0	15.0	0.0	4.0	0.0	-176.2	364.0	362.5	12.0
1.0	15.0	0.0	5.0	0.0	-113.3	238.1	236.6	2.9
1.0	15.0	0.0	0.0	0.0	-66.9	135.8	135.7	0.9
1.0	15.0	5.0	0.0	0.0	-144.5	300.6	299.1	12.7
1.0	15.0	0.0	6.0	0.0	-138.9	289.3	287.8	7.2
1.0	15.0	0.0	5.0	0.0	-156.1	323.8	322.3	8.6
0.8	15.0	6.0	0.0	0.0	-143.5	307.0	303.0	8.4
1.0	15.0	6.0	0.0	0.0	-158.9	329.4	327.9	11.2
1.0	15.0	0.0	4.0	0.0	-169.7	350.9	349.4	10.8
1.0	15.0	0.0	4.0	0.0	-146.2	303.9	302.4	8.5
1.0	15.0	0.0	0.0	0.0	-81.3	164.7	164.6	1.5
1.0	15.0	3.0	0.0	0.0	-83.8	179.2	177.6	2.1
1.0	15.0	0.0	5.0	0.0	-158.2	328.0	326.4	11.5
1.0	15.0	0.0	5.0	0.0	-126.0	263.5	262.0	4.0
1.0	15.0	2.0	0.0	0.0	-118.9	257.9	253.9	4.3
1.0	15.0	6.0	0.0	0.0	-166.8	345.1	343.5	12.3
1.0	15.0	0.0	6.0	0.0	-135.9	283.3	281.7	5.3
1.0	15.0	0.0	1.0	0.0	-125.9	263.4	261.8	3.9
1.0	15.0	2.0	0.0	0.0	-157.7	327.0	325.5	9.2
1.0	15.0	2.0	0.0	0.0	-159.4	330.3	328.8	10.0
1.0	15.0	0.0	0.0	0.0	-179.5	361.1	361.0	11.2
1.0	15.0	0.0	0.0	0.0	-150.2	302.4	302.3	6.9
1.0	15.0	2.0	0.0	0.0	-153.7	318.9	317.3	7.8
1.0	15.0	2.0	0.0	0.0	-120.4	252.3	250.8	5.2
1.0	15.0	0.0	0.0	0.0	-164.7	331.6	331.5	8.8
1.0	15.0	0.0	2.0	0.0	-148.4	308.3	306.8	7.2
1.0	15.0	0.0	1.0	0.0	-124.9	252.0	251.9	5.3
1.0	15.0	2.0	0.0	0.0	-115.6	242.8	241.2	4.7
1.0	15.0	0.0	0.0	0.0	-156.1	314.3	314.2	10.6
1.0	15.0	0.0	2.0	0.0	-129.5	270.5	269.0	7.5
1.0	15.0	0.0	0.0	0.0	-66.0	134.2	134.1	1.2
0.7	15.0	2.0	0.0	0.0	-78.7	168.9	167.3	3.2
1.0	15.0	0.0	0.0	0.0	-141.9	285.8	285.8	5.9
1.0	15.0	0.0	2.0	0.0	-123.3	258.2	256.7	4.1
1.0	15.0	0.0	0.0	0.0	-92.1	186.3	186.2	2.4
1.0	15.0	1.0	0.0	0.0	-108.4	228.2	226.7	5.0
1.0	15.0	0.0	0.0	0.0	-169.1	340.2	340.1	10.4
1.0	15.0	0.0	2.0	0.0	-140.1	291.6	290.1	6.8
1.0	15.0	0.0	0.0	0.0	-118.8	239.6	239.5	4.9
0.9	15.0	1.0	0.0	0.0	-114.9	241.3	239.7	7.2
1.0	15.0	0.0	0.0	0.0	-172.7	347.5	347.4	10.9
1.0	15.0	0.0	2.0	0.0	-119.9	251.3	249.7	5.1
1.0	15.0	0.0	0.0	0.0	-64.2	130.4	130.3	1.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-86.8	185.2	183.7	4.1
1.0	15.0	2.0	0.0	0.0	-133.0	277.6	276.1	5.1
1.0	15.0	0.0	4.0	0.0	-137.0	285.6	284.1	6.1
1.0	15.0	0.0	0.0	0.0	-75.1	152.2	152.1	1.3
1.0	15.0	1.0	0.0	0.0	-71.6	154.7	153.1	1.3
1.0	15.0	0.0	0.0	0.0	-146.4	294.9	294.8	7.9
1.0	15.0	0.0	1.0	0.0	-135.1	281.7	280.2	5.3
1.0	15.0	0.0	0.0	0.0	-127.1	256.2	256.1	4.2
1.0	15.0	1.0	0.0	0.0	-97.1	205.7	204.1	2.7
1.0	15.0	0.0	0.0	0.0	-158.1	318.3	318.2	7.9
1.0	15.0	0.0	0.0	0.0	-121.2	244.5	244.4	3.3
1.0	15.0	1.0	0.0	0.0	-164.7	340.9	339.3	12.5
1.0	15.0	1.0	0.0	0.0	-126.0	263.6	262.0	5.3
1.0	15.0	0.0	0.0	0.0	-157.8	317.6	317.5	7.2
1.0	15.0	0.0	2.0	0.0	-134.3	280.2	278.6	5.5
1.0	15.0	9.0	0.0	0.0	-193.1	397.8	396.2	23.0
1.0	15.0	3.0	0.0	0.0	-146.9	305.3	303.7	13.7
1.0	15.0	0.0	0.0	0.0	-133.0	268.2	268.1	4.7
1.0	15.0	0.0	1.0	0.0	-119.1	249.7	248.2	3.3
1.0	15.0	0.0	0.0	0.0	-100.8	203.8	203.7	3.0
1.0	15.0	1.0	0.0	0.0	-105.2	221.9	220.4	2.7
1.0	15.0	0.0	0.0	0.0	-148.6	299.3	299.2	7.0
1.0	15.0	0.0	0.0	0.0	-137.1	276.4	276.3	5.3
1.0	15.0	2.0	0.0	0.0	-151.2	313.9	312.3	8.4
0.9	15.0	2.0	0.0	0.0	-141.5	294.5	292.9	6.7
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	6.4
1.0	15.0	0.0	5.0	0.0	-128.6	268.7	267.2	4.2
1.0	15.0	5.0	1.0	0.0	-144.8	309.7	305.7	6.4
1.0	15.0	5.0	0.0	0.0	-148.6	317.3	313.3	7.2
1.0	15.0	0.0	1.0	0.0	-162.2	326.4	326.3	12.0
0.9	15.0	0.0	4.0	0.0	-152.9	317.2	315.7	6.9
1.0	15.0	4.0	0.0	0.0	-139.2	298.4	294.4	6.7
1.0	15.0	4.0	0.0	0.0	-137.6	295.1	291.1	5.7
1.0	15.0	0.0	1.0	0.0	-183.9	369.9	369.8	14.8
1.0	15.0	0.0	2.0	0.0	-117.0	245.4	243.9	7.0
0.8	15.0	2.0	0.0	0.0	-82.8	185.5	181.5	1.5
1.0	15.0	2.0	0.0	0.0	-85.9	183.4	181.8	2.8
1.0	15.0	1.0	1.0	0.0	-148.4	316.8	312.8	10.3
1.0	15.0	0.0	2.0	0.0	-131.9	275.4	273.8	4.0
1.0	15.0	4.0	0.0	0.0	-148.4	316.8	312.8	13.0
1.0	15.0	6.0	0.0	0.0	-140.0	299.9	295.9	11.1
1.0	15.0	0.0	1.0	0.0	-186.6	375.3	375.3	17.2
1.0	15.0	0.0	2.0	0.0	-109.5	230.5	228.9	2.4
1.0	15.0	0.0	2.0	0.0	-109.2	229.9	228.4	2.4
1.0	15.0	1.0	0.0	0.0	-103.0	217.6	216.0	3.0
1.0	15.0	0.0	1.0	0.0	-175.2	362.0	360.5	10.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-255.8	522.2	521.5	4.5
1.0	15.0	4.0	1.0	0.0	-318.4	654.6	652.9	10.8
1.0	15.0	4.0	0.0	0.0	-323.3	664.4	662.6	12.3
1.0	15.0	1.0	1.0	0.0	-292.1	595.0	594.3	7.6
1.0	15.0	1.0	5.0	0.0	-278.6	574.9	573.2	6.3
1.0	15.0	3.0	0.0	0.0	-282.5	582.9	581.1	7.1
1.0	15.0	4.0	0.0	0.0	-286.3	590.3	588.5	8.6
1.0	15.0	0.0	1.0	0.0	-347.4	705.6	704.9	12.7
1.0	15.0	0.0	2.0	0.0	-262.9	536.4	535.7	10.2
0.6	15.0	2.0	0.0	0.0	-175.5	368.9	367.1	2.8
1.0	15.0	2.0	0.0	0.0	-214.1	439.0	438.3	8.0
1.0	15.0	2.0	1.0	0.0	-319.1	655.9	654.2	17.9
1.0	15.0	0.0	4.0	0.0	-291.8	594.3	593.6	6.5
1.0	15.0	6.0	0.0	0.0	-321.5	660.7	658.9	12.2
1.0	15.0	7.0	0.0	0.0	-301.0	619.8	618.0	10.4
1.0	15.0	0.0	1.0	0.0	-364.5	739.8	739.1	14.5
1.0	15.0	0.0	1.0	0.0	-262.8	536.3	535.6	4.3
1.0	15.0	0.0	4.0	0.0	-211.0	432.8	432.1	2.1
1.0	15.0	1.0	0.0	0.0	-220.2	451.1	450.3	3.7
1.0	15.0	0.0	1.0	0.0	-332.8	676.4	675.7	8.9
1.0	15.0	0.0	1.0	0.0	-260.6	531.9	531.2	6.6
1.0	15.0	0.0	0.0	0.0	-222.4	446.9	446.9	3.4
1.0	15.0	1.0	0.0	0.0	-194.9	400.6	399.8	4.1
1.0	15.0	0.0	0.0	0.0	-331.8	665.6	665.6	11.3
1.0	15.0	0.0	0.0	0.0	-119.7	241.5	241.4	4.2
0.9	15.0	2.0	1.0	0.0	-167.1	354.1	350.1	10.8
1.0	15.0	2.0	0.0	0.0	-150.3	312.1	310.6	8.2
1.0	15.0	0.0	0.0	0.0	-157.3	316.7	316.6	7.5
1.0	15.0	0.0	3.0	0.0	-136.9	285.3	283.8	4.9
1.0	15.0	3.0	0.0	0.0	-140.2	300.4	296.4	6.9
0.9	15.0	4.0	0.0	0.0	-142.2	304.5	300.5	8.4
1.0	15.0	0.0	0.0	0.0	-142.6	287.4	287.3	6.7
1.0	15.0	2.0	0.0	0.0	-162.2	335.9	334.4	9.4
1.0	15.0	2.0	4.0	0.0	-199.4	418.9	414.9	37.1
0.9	15.0	1.0	4.0	0.0	-173.3	366.7	362.7	19.4
1.0	15.0	0.0	6.0	0.0	-165.7	342.9	341.3	13.0
1.0	15.0	0.0	4.0	0.0	-120.3	252.0	250.5	4.2
0.6	15.0	2.0	0.0	0.0	-113.3	238.2	236.7	4.7
1.0	15.0	3.0	0.0	0.0	-119.7	250.9	249.3	4.4
1.0	15.0	0.0	0.0	0.0	-139.6	281.4	281.3	5.0
1.0	15.0	0.0	2.0	0.0	-121.1	253.7	252.2	4.1
0.9	15.0	2.0	0.0	0.0	-126.9	273.7	269.7	4.6
0.7	15.0	2.0	0.0	0.0	-122.5	264.9	260.9	5.2
1.0	15.0	0.0	0.0	0.0	-144.5	291.1	291.0	5.6
1.0	15.0	2.0	0.0	0.0	-135.7	282.9	281.4	7.0
1.0	15.0	2.0	2.0	0.0	-161.4	342.9	338.9	17.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	2.0	0.0	-131.9	283.7	279.7	7.5
1.0	15.0	0.0	3.0	0.0	-161.3	334.1	332.6	11.0
1.0	15.0	0.0	2.0	0.0	-135.7	282.9	281.3	4.7
1.0	15.0	3.0	0.0	0.0	-114.2	239.9	238.3	3.8
1.0	15.0	3.0	0.0	0.0	-113.3	238.2	236.7	4.3
1.0	15.0	0.0	0.0	0.0	-157.9	318.0	317.9	8.0
1.0	15.0	0.0	3.0	0.0	-125.3	262.1	260.6	4.6
1.0	15.0	0.0	0.0	0.0	-140.2	282.6	282.5	6.5
1.0	15.0	3.0	0.0	0.0	-124.8	261.1	259.5	4.5
1.0	15.0	0.0	0.0	0.0	-136.1	274.3	274.2	5.4
1.0	15.0	3.0	0.0	0.0	-159.0	329.5	327.9	8.6
0.9	15.0	2.0	4.0	0.0	-199.3	418.5	414.5	33.7
0.9	15.0	1.0	4.0	0.0	-180.6	372.7	371.2	22.0
1.0	15.0	0.0	5.0	0.0	-167.5	346.5	344.9	10.1
1.0	15.0	0.0	4.0	0.0	-117.9	247.2	245.7	3.3
0.6	15.0	2.0	0.0	0.0	-112.3	244.5	240.5	3.2
1.0	15.0	4.0	0.0	0.0	-113.3	238.2	236.7	3.1
1.0	15.0	0.0	0.0	0.0	-161.8	325.7	325.6	8.0
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.2	8.1
1.0	15.0	6.0	1.0	0.0	-189.8	399.5	395.5	28.8
1.0	15.0	5.0	1.0	0.0	-165.9	351.7	347.7	21.9
1.0	15.0	0.0	2.0	0.0	-147.2	305.9	304.3	7.0
1.0	15.0	2.0	0.0	0.0	-139.6	290.8	289.2	5.8
1.0	15.0	2.0	0.0	0.0	-118.0	256.0	252.0	3.5
1.0	15.0	0.0	1.0	0.0	-111.8	235.1	233.6	2.8
1.0	15.0	0.0	1.0	0.0	-180.0	362.0	361.9	16.7
1.0	15.0	0.0	1.0	0.0	-129.6	270.7	269.2	4.5
1.0	15.0	0.0	0.0	0.0	-80.0	162.0	161.9	1.7
0.8	15.0	1.0	0.0	0.0	-83.7	178.9	177.4	5.2
1.0	15.0	1.0	2.0	0.0	-170.5	352.5	351.0	25.2
1.0	15.0	0.0	2.0	0.0	-149.3	310.2	308.7	8.1
1.0	15.0	2.0	0.0	0.0	-108.1	236.2	232.2	3.6
0.9	15.0	3.0	0.0	0.0	-112.8	237.1	235.6	4.2
1.0	15.0	0.0	2.0	0.0	-147.4	306.3	304.7	6.4
1.0	15.0	0.0	4.0	0.0	-132.0	275.5	274.0	4.9
1.0	15.0	2.0	0.0	0.0	-119.7	259.4	255.4	5.6
1.0	15.0	1.0	0.0	0.0	-117.5	255.0	251.0	3.6
1.0	15.0	0.0	1.0	0.0	-141.0	293.5	291.9	6.0
1.0	15.0	0.0	4.0	0.0	-136.5	284.6	283.0	5.1
1.0	15.0	4.0	0.0	0.0	-153.1	326.2	322.2	8.4
0.7	15.0	5.0	0.0	0.0	-145.9	311.8	307.8	7.8
1.0	15.0	0.0	0.0	0.0	-152.3	306.6	306.5	7.8
1.0	15.0	0.0	2.0	0.0	-118.9	249.3	247.8	3.4
0.9	15.0	4.0	0.0	0.0	-169.0	349.6	348.0	18.6
0.6	15.0	3.0	0.0	0.0	-152.9	325.8	321.8	9.7
1.0	15.0	0.0	0.0	0.0	-133.8	269.8	269.7	5.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-122.7	256.9	255.3	4.6
1.0	15.0	0.0	0.0	0.0	-60.5	123.1	123.0	0.8
0.9	15.0	1.0	0.0	0.0	-70.6	152.8	151.2	1.1
1.0	15.0	0.0	1.0	0.0	-131.3	274.2	272.7	5.3
1.0	15.0	1.0	2.0	0.0	-132.2	275.9	274.4	6.4
0.8	15.0	2.0	0.0	0.0	-177.8	367.1	365.6	13.5
1.0	15.0	2.0	0.0	0.0	-149.3	310.1	308.5	13.6
1.0	15.0	0.0	0.0	0.0	-151.0	304.0	303.9	7.3
1.0	15.0	0.0	2.0	0.0	-116.3	244.2	242.6	3.0
1.0	15.0	2.0	1.0	0.0	-139.8	299.6	295.6	6.1
1.0	15.0	2.0	0.0	0.0	-125.5	262.6	261.0	6.6
1.0	15.0	0.0	0.0	0.0	-139.2	280.6	280.5	5.9
1.0	15.0	0.0	1.0	0.0	-140.8	293.1	291.5	6.0
1.0	15.0	0.0	0.0	0.0	-148.4	299.0	298.9	7.1
1.0	15.0	1.0	0.0	0.0	-141.4	294.3	292.8	5.7
1.0	15.0	0.0	0.0	0.0	-141.5	285.2	285.1	5.6
1.0	23.0	0.0	0.0	0.0	-267.8	537.7	537.6	5.4
1.0	23.0	7.0	0.0	0.0	-367.1	744.9	744.2	15.9
1.0	23.0	7.0	0.0	0.0	-321.5	653.7	653.0	11.0
1.0	23.0	0.0	0.0	0.0	-311.8	625.7	625.7	8.0
1.0	15.0	0.0	4.0	0.0	-124.2	268.4	264.4	4.1
1.0	15.0	6.0	0.0	0.0	-163.2	337.9	336.4	13.2
1.0	15.0	5.0	0.0	0.0	-129.5	270.6	269.1	4.8
1.0	15.0	0.0	0.0	0.0	-149.4	301.0	300.9	6.3
1.0	15.0	0.0	2.0	0.0	-144.3	300.1	298.5	7.4
1.0	15.0	0.0	0.0	0.0	-87.2	176.6	176.5	2.2
1.0	15.0	2.0	0.0	0.0	-81.8	175.1	173.6	1.7
1.0	15.0	0.0	0.0	0.0	-175.8	353.8	353.7	14.0
1.0	15.0	0.0	2.0	0.0	-111.1	233.7	232.2	2.5
1.0	15.0	2.0	0.0	0.0	-124.4	260.4	258.9	3.6
1.0	15.0	2.0	0.0	0.0	-120.3	252.2	250.7	3.2
1.0	15.0	0.0	0.0	0.0	-144.1	290.3	290.2	6.2
1.0	15.0	0.0	0.0	0.0	-137.3	276.8	276.7	5.8
1.0	15.0	3.0	0.0	0.0	-169.6	350.7	349.1	11.2
1.0	15.0	3.0	0.0	0.0	-126.1	263.7	262.2	6.4
1.0	15.0	0.0	1.0	0.0	-184.1	370.3	370.2	16.8
1.0	15.0	0.0	2.0	0.0	-110.0	231.5	230.0	2.4
1.0	15.0	3.0	0.0	0.0	-106.8	225.0	223.5	2.2
1.0	15.0	3.0	0.0	0.0	-102.0	215.5	214.0	1.8
1.0	15.0	0.0	0.0	0.0	-177.0	356.1	356.1	11.6
1.0	15.0	1.0	1.0	0.0	-127.0	265.6	264.0	3.7
1.0	15.0	1.0	0.0	0.0	-101.0	213.5	211.9	1.9
1.0	15.0	1.0	0.0	0.0	-108.4	228.3	226.8	4.2
1.0	15.0	0.0	0.0	0.0	-150.5	303.1	303.0	7.1
1.0	15.0	0.0	1.0	0.0	-130.2	272.0	270.4	4.8
1.0	15.0	2.0	0.0	0.0	-167.6	346.6	345.1	11.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-129.7	271.0	269.4	6.0
1.0	15.0	0.0	1.0	0.0	-162.5	327.0	327.0	13.0
1.0	15.0	0.0	2.0	0.0	-119.5	250.5	248.9	4.2
1.0	15.0	0.0	0.0	0.0	-62.9	128.0	127.9	0.8
0.7	15.0	1.0	0.0	0.0	-83.0	177.5	175.9	6.2
1.0	15.0	0.0	1.0	0.0	-128.9	269.4	267.9	7.9
1.0	15.0	0.0	1.0	0.0	-123.4	258.4	256.8	3.7
1.0	15.0	3.0	0.0	0.0	-108.1	227.8	226.3	2.6
1.0	15.0	1.0	0.0	0.0	-98.9	209.3	207.8	1.3
1.0	15.0	0.0	1.0	0.0	-180.1	362.3	362.2	12.9
1.0	15.0	0.0	2.0	0.0	-129.7	270.8	269.3	4.3
1.0	15.0	2.0	0.0	0.0	-156.6	324.8	323.3	9.2
1.0	15.0	2.0	0.0	0.0	-126.0	263.5	261.9	4.8
1.0	15.0	0.0	0.0	0.0	-162.3	326.7	326.6	9.0
1.0	15.0	0.0	1.0	0.0	-144.3	300.1	298.6	5.7
1.0	15.0	0.0	0.0	0.0	-156.6	315.3	315.2	8.8
1.0	15.0	2.0	0.0	0.0	-121.3	254.2	252.7	4.0
1.0	15.0	0.0	1.0	0.0	-137.2	285.9	284.3	6.9
0.9	15.0	0.0	1.0	0.0	-115.4	242.3	240.8	3.4
0.7	15.0	2.0	0.0	0.0	-106.2	223.8	222.3	2.5
0.6	15.0	1.0	0.0	0.0	-103.9	219.4	217.8	2.5
1.0	15.0	0.0	1.0	0.0	-161.3	334.2	332.6	8.6
1.0	15.0	0.0	2.0	0.0	-104.6	220.7	219.2	1.9
0.9	15.0	2.0	0.0	0.0	-131.8	275.2	273.7	5.7
1.0	15.0	2.0	0.0	0.0	-122.5	256.6	255.0	3.9
1.0	15.0	0.0	1.0	0.0	-151.6	305.3	305.2	10.0
1.0	15.0	0.0	0.0	0.0	-135.6	273.2	273.2	5.7
1.0	15.0	2.0	0.0	0.0	-172.4	356.4	354.8	20.5
1.0	15.0	2.0	0.0	0.0	-120.8	253.2	251.7	12.1
1.0	15.0	0.0	0.0	0.0	-142.5	287.0	286.9	6.2
1.0	15.0	0.0	3.0	0.0	-115.4	242.3	240.8	2.8
1.0	15.0	2.0	0.0	0.0	-133.3	286.5	282.5	6.3
1.0	15.0	1.0	0.0	0.0	-113.6	247.2	243.2	4.1
1.0	15.0	0.0	1.0	0.0	-174.3	350.7	350.6	11.8
1.0	15.0	1.0	1.0	0.0	-137.4	286.3	284.8	5.8
1.0	15.0	2.0	3.0	0.0	-177.0	374.0	370.0	25.3
1.0	15.0	2.0	2.0	0.0	-161.1	342.3	338.3	15.0
1.0	15.0	0.0	3.0	0.0	-155.7	323.0	321.5	8.3
0.8	15.0	0.0	5.0	0.0	-127.4	266.4	264.8	4.5
1.0	15.0	4.0	1.0	0.0	-127.3	274.6	270.6	6.4
1.0	15.0	5.0	0.0	0.0	-130.6	281.1	277.1	6.0
1.0	15.0	0.0	0.0	0.0	-171.7	345.4	345.3	10.7
1.0	15.0	0.0	5.0	0.0	-150.6	312.7	311.2	10.8
1.0	15.0	2.0	3.0	0.0	-173.9	367.9	363.9	20.0
1.0	15.0	2.0	3.0	0.0	-143.2	306.4	302.4	10.2
1.0	15.0	0.0	4.0	0.0	-133.8	279.4	277.7	6.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-139.1	289.8	288.3	7.2
1.0	15.0	0.0	0.0	0.0	-110.9	223.8	223.7	3.1
1.0	15.0	1.0	0.0	0.0	-124.5	260.5	259.0	6.8
1.0	15.0	0.0	2.0	0.0	-166.9	345.4	343.9	10.9
0.9	15.0	0.0	4.0	0.0	-128.7	269.0	267.5	6.7
1.0	15.0	0.0	0.0	0.0	-78.4	158.9	158.8	1.2
1.0	15.0	3.0	0.0	0.0	-103.0	217.6	216.1	6.6
1.0	15.0	0.0	4.0	0.0	-158.0	327.6	326.1	7.9
1.0	15.0	0.0	3.0	0.0	-139.6	290.7	289.2	5.1
1.0	15.0	2.0	0.0	0.0	-108.0	235.9	231.9	2.5
1.0	15.0	2.0	0.0	0.0	-111.5	234.5	233.0	5.1
1.0	15.0	0.0	2.0	0.0	-163.6	339.0	337.3	12.5
1.0	15.0	0.0	3.0	0.0	-130.4	272.5	270.9	4.8
1.0	15.0	0.0	0.0	0.0	-71.1	144.2	144.1	1.3
1.0	15.0	1.0	0.0	0.0	-68.6	148.8	147.3	1.0
1.0	15.0	0.0	2.0	0.0	-150.0	311.6	310.1	9.9
1.0	15.0	0.0	3.0	0.0	-126.4	264.3	262.8	4.9
1.0	15.0	0.0	2.0	0.0	-108.2	227.9	226.4	2.3
1.0	15.0	2.0	0.0	0.0	-115.4	242.3	240.8	5.9
1.0	15.0	0.0	3.0	0.0	-164.8	341.2	339.7	9.5
1.0	15.0	0.0	3.0	0.0	-859.0	1728.1	1727.9	3.6
1.0	15.0	4.0	0.0	0.0	-1013.8	2037.9	2037.7	6.4
1.0	15.0	4.0	0.0	0.0	-997.4	2005.1	2004.9	6.8
1.0	15.0	0.0	0.0	0.0	-946.0	1894.0	1894.0	5.2
1.0	15.0	0.0	4.0	0.0	-927.0	1870.4	1869.9	4.7
1.0	15.0	4.0	0.0	0.0	-1305.2	2626.9	2626.4	18.9
1.0	15.0	4.0	0.0	0.0	-1114.6	2245.8	2245.3	11.0
1.0	15.0	2.0	0.0	0.0	-1166.0	2342.2	2342.0	11.2
1.0	23.0	0.0	4.0	0.0	-628.6	1267.4	1267.2	4.4
1.0	23.0	5.0	0.0	0.0	-732.6	1475.5	1475.2	6.8
1.0	23.0	4.0	0.0	0.0	-707.6	1425.5	1425.2	6.5
1.0	23.0	0.0	0.0	0.0	-646.6	1295.2	1295.1	4.7
1.0	23.0	0.0	5.0	0.0	-667.1	1350.8	1350.1	5.0
1.0	23.0	5.0	0.0	0.0	-880.0	1770.4	1770.1	17.2
1.0	23.0	5.0	0.0	0.0	-760.4	1537.5	1536.8	13.5
1.0	23.0	3.0	0.0	0.0	-863.7	1737.7	1737.5	11.5
1.0	15.0	0.0	3.0	0.0	-772.1	1554.5	1554.3	5.2
1.0	15.0	4.0	0.0	0.0	-959.4	1929.1	1928.9	12.0
1.0	15.0	4.0	0.0	0.0	-938.5	1887.3	1887.0	12.0
1.0	15.0	0.0	0.0	0.0	-958.4	1918.8	1918.8	9.7
1.0	15.0	0.0	4.0	0.0	-808.1	1632.8	1632.2	5.7
1.0	15.0	4.0	0.0	0.0	-1140.9	2298.4	2297.9	20.8
1.0	15.0	4.0	0.0	0.0	-1055.2	2127.0	2126.4	17.9
1.0	15.0	2.0	0.0	0.0	-1046.3	2102.9	2102.7	13.3
1.0	15.0	0.0	1.0	0.0	-251.9	514.4	513.7	4.3
1.0	15.0	1.0	0.0	0.0	-283.7	578.1	577.4	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-286.5	583.7	583.0	8.9
1.0	15.0	0.0	0.0	0.0	-295.6	593.3	593.3	6.9
1.0	15.0	0.0	0.0	0.0	-274.1	550.3	550.2	5.2
1.0	15.0	2.0	0.0	0.0	-329.5	669.7	669.0	9.4
1.0	15.0	1.0	0.0	0.0	-264.4	539.6	538.8	7.2
1.0	15.0	0.0	0.0	0.0	-308.9	619.9	619.9	8.2
1.0	15.0	0.0	0.0	0.0	-291.3	584.7	584.7	6.3
1.0	15.0	1.0	0.0	0.0	-230.1	470.8	470.1	6.2
1.0	15.0	1.0	0.0	0.0	-218.1	446.9	446.2	4.3
1.0	15.0	0.0	0.0	0.0	-347.0	696.0	695.9	12.5
1.0	15.0	0.0	0.0	0.0	-159.6	321.3	321.2	7.5
1.0	15.0	2.0	0.0	0.0	-173.9	359.3	357.7	12.0
1.0	15.0	3.0	0.0	0.0	-165.8	343.2	341.6	9.1
1.0	15.0	0.0	0.0	0.0	-173.8	349.7	349.6	11.9
1.0	15.0	0.0	1.0	0.0	-115.5	242.5	240.9	3.9
1.0	15.0	0.0	0.0	0.0	-93.0	188.2	188.1	2.5
1.0	15.0	1.0	0.0	0.0	-94.8	201.2	199.7	1.2
1.0	15.0	0.0	1.0	0.0	-161.6	334.7	333.2	9.6
1.0	15.0	0.0	1.0	0.0	-121.1	253.7	252.2	3.6
0.9	15.0	0.0	1.0	0.0	-111.8	235.2	233.7	24.9
1.0	15.0	1.0	0.0	0.0	-114.8	241.2	239.6	16.1
1.0	15.0	0.0	2.0	0.0	-155.3	322.0	320.5	7.5
1.0	15.0	0.0	0.0	0.0	-122.0	246.1	246.0	3.6
1.0	15.0	1.0	0.0	0.0	-149.7	311.0	309.4	9.0
1.0	15.0	1.0	0.0	0.0	-125.9	263.4	261.9	4.9
1.0	15.0	0.0	2.0	0.0	-145.4	302.4	300.9	6.8
1.0	15.0	0.0	0.0	0.0	-168.9	339.8	339.7	11.1
1.0	15.0	1.0	0.0	0.0	-170.0	351.5	350.0	11.3
1.0	15.0	0.0	0.0	0.0	-108.3	218.7	218.6	4.3
1.0	15.0	0.0	0.0	0.0	-184.7	371.5	371.4	15.7
1.0	15.0	0.0	4.0	0.0	-142.1	295.7	294.2	9.5
1.0	15.0	0.0	4.0	0.0	-86.1	183.8	182.2	3.8
1.0	15.0	2.0	0.0	0.0	-102.3	216.1	214.6	4.2
1.0	15.0	0.0	7.0	0.0	-142.3	296.1	294.5	11.7
0.9	15.0	0.0	5.0	0.0	-120.7	252.9	251.4	4.3
1.0	15.0	4.0	1.0	0.0	-119.9	259.7	255.7	3.4
1.0	15.0	5.0	0.0	0.0	-113.4	246.9	242.9	3.2
1.0	15.0	1.0	0.0	0.0	-187.8	377.7	377.6	15.5
1.0	15.0	0.0	2.0	0.0	-134.1	279.7	278.2	7.7
1.0	15.0	3.0	0.0	0.0	-135.0	289.9	285.9	6.8
0.6	15.0	4.0	0.0	0.0	-120.5	260.9	256.9	4.2
1.0	15.0	0.0	1.0	0.0	-165.6	342.8	341.2	10.0
1.0	15.0	0.0	2.0	0.0	-124.4	260.3	258.7	4.1
1.0	15.0	2.0	0.0	0.0	-128.6	268.7	267.1	6.0
1.0	15.0	2.0	0.0	0.0	-118.4	248.4	246.8	5.0
1.0	15.0	0.0	0.0	0.0	-140.5	283.0	282.9	5.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	4.4
1.0	15.0	2.0	0.0	0.0	-165.5	342.6	341.1	10.7
1.0	15.0	2.0	0.0	0.0	-117.0	245.6	244.1	3.5
1.0	15.0	0.0	0.0	0.0	-141.4	284.9	284.8	5.7
1.0	15.0	0.0	1.0	0.0	-130.8	273.2	271.7	4.4
1.0	15.0	0.0	0.0	0.0	-113.0	228.1	228.0	3.6
1.0	15.0	1.0	0.0	0.0	-101.2	214.0	212.4	1.6
1.0	15.0	0.0	0.0	0.0	-158.7	319.5	319.4	7.5
1.0	15.0	0.0	1.0	0.0	-113.7	238.9	237.3	3.1
1.0	15.0	0.0	0.0	0.0	-75.9	153.9	153.8	15.4
1.0	15.0	2.0	0.0	0.0	-80.0	171.5	169.9	10.3
1.0	15.0	0.0	0.0	0.0	-127.6	257.2	257.1	4.7
1.0	15.0	0.0	3.0	0.0	-125.0	261.6	260.0	3.7
1.0	15.0	0.0	0.0	0.0	-93.7	189.5	189.4	2.1
1.0	15.0	2.0	0.0	0.0	-103.6	218.8	217.3	3.9
1.0	15.0	0.0	0.0	0.0	-153.8	309.8	309.7	7.3
1.0	15.0	0.0	2.0	0.0	-122.9	257.4	255.8	4.7
1.0	15.0	0.0	0.0	0.0	-99.2	200.4	200.3	2.2
1.0	15.0	1.0	0.0	0.0	-105.1	221.7	220.2	11.6
1.0	15.0	0.0	0.0	0.0	-143.4	288.8	288.7	5.8
0.7	15.0	0.0	2.0	0.0	-157.4	326.4	324.8	9.9
1.0	15.0	1.0	2.0	0.0	-125.7	271.3	267.3	4.6
1.0	15.0	1.0	0.0	0.0	-121.6	263.2	259.2	6.3
0.8	15.0	0.0	1.0	0.0	-138.8	289.2	287.7	12.1
1.0	15.0	0.0	1.0	0.0	-153.7	319.0	317.4	8.8
1.0	15.0	3.0	0.0	0.0	-121.2	254.0	252.5	6.0
1.0	15.0	1.0	0.0	0.0	-130.8	273.2	271.6	12.5
1.0	15.0	1.0	3.0	0.0	-158.6	337.3	333.3	8.8
0.7	15.0	0.0	2.0	0.0	-141.9	303.8	299.8	5.5
1.0	15.0	2.0	1.0	0.0	-127.6	275.2	271.2	5.7
1.0	15.0	3.0	0.0	0.0	-127.0	274.0	270.0	9.3
1.0	15.0	0.0	2.0	0.0	-172.3	356.1	354.6	18.5
1.0	15.0	0.0	5.0	0.0	-139.9	291.4	289.8	6.1
1.0	15.0	1.0	5.0	0.0	-127.4	274.8	270.8	4.4
1.0	15.0	6.0	0.0	0.0	-214.4	440.3	438.7	70.8
1.0	15.0	0.0	6.0	0.0	-138.4	288.4	286.9	5.4
1.0	15.0	1.0	2.0	0.0	-130.3	272.2	270.7	10.8
1.0	15.0	2.0	1.0	0.0	-153.1	326.2	322.2	20.5
1.0	15.0	2.0	1.0	0.0	-138.4	296.8	292.8	14.9
1.0	15.0	0.0	1.0	0.0	-167.6	346.8	345.3	12.0
1.0	15.0	0.0	2.0	0.0	-116.7	245.0	243.5	3.3
1.0	15.0	0.0	0.0	0.0	-75.5	153.1	153.1	2.4
1.0	15.0	1.0	0.0	0.0	-77.6	166.8	165.2	2.4
1.0	15.0	0.0	3.0	0.0	-132.4	276.4	274.8	9.2
1.0	15.0	0.0	1.0	0.0	-111.9	235.4	233.9	3.7
1.0	15.0	0.0	1.0	0.0	-125.0	252.1	252.0	6.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-91.0	193.5	192.0	2.5
1.0	15.0	0.0	1.0	0.0	-135.8	283.2	281.6	5.5
1.0	15.0	0.0	0.0	0.0	-122.2	246.4	246.3	3.8
1.0	15.0	1.0	0.0	0.0	-155.1	321.8	320.2	7.7
1.0	15.0	1.0	0.0	0.0	-117.3	246.2	244.7	3.0
1.0	15.0	0.0	0.0	0.0	-155.2	312.5	312.4	7.8
1.0	15.0	0.0	1.0	0.0	-120.9	253.4	251.9	3.7
1.0	15.0	3.0	0.0	0.0	-133.5	287.0	283.0	5.9
1.0	15.0	4.0	0.0	0.0	-129.5	270.5	269.0	4.9
1.0	15.0	0.0	1.0	0.0	-161.5	325.0	324.9	11.4
1.0	15.0	0.0	0.0	0.0	-121.0	244.0	243.9	3.8
1.0	15.0	5.0	0.0	0.0	-188.0	387.5	386.0	25.0
1.0	15.0	3.0	0.0	0.0	-141.4	294.4	292.9	12.8
1.0	15.0	0.0	1.0	0.0	-144.2	290.5	290.4	8.8
1.0	15.0	0.0	2.0	0.0	-118.5	248.5	247.0	3.3
1.0	15.0	0.0	1.0	0.0	-154.3	310.7	310.6	8.6
1.0	15.0	3.0	0.0	0.0	-130.2	280.4	276.4	4.6
1.0	15.0	0.0	1.0	0.0	-162.0	326.0	326.0	8.2
1.0	15.0	0.0	2.0	0.0	-126.2	264.0	262.5	4.7
1.0	15.0	2.0	1.0	0.0	-174.6	369.2	365.2	27.1
1.0	15.0	3.0	0.0	0.0	-165.1	341.8	340.3	16.5
1.0	15.0	0.0	3.0	0.0	-160.4	332.4	330.9	8.6
1.0	15.0	0.0	2.0	0.0	-143.5	298.6	297.1	6.4
1.0	15.0	0.0	0.0	0.0	-84.5	171.1	171.0	2.2
1.0	15.0	2.0	0.0	0.0	-111.9	235.3	233.7	6.1
1.0	15.0	0.0	3.0	0.0	-183.7	378.9	377.4	13.5
1.0	15.0	0.0	3.0	0.0	-127.6	266.7	265.2	6.5
0.6	15.0	5.0	0.0	0.0	-164.2	348.5	344.5	12.7
0.7	15.0	4.0	0.0	0.0	-127.9	275.8	271.8	11.7
1.0	15.0	0.0	1.0	0.0	-151.3	304.7	304.6	9.3
1.0	15.0	0.0	0.0	0.0	-111.4	224.8	224.7	2.7
1.0	15.0	2.0	0.0	0.0	-112.2	235.9	234.4	3.1
1.0	15.0	2.0	0.0	0.0	-106.6	224.8	223.2	2.3
1.0	15.0	0.0	0.0	0.0	-140.7	283.6	283.5	5.5
1.0	15.0	0.0	2.0	0.0	-123.2	258.0	256.4	3.6
0.6	15.0	3.0	0.0	0.0	-149.7	319.4	315.4	7.9
1.0	15.0	2.0	0.0	0.0	-126.3	264.2	262.7	5.6
1.0	15.0	0.0	0.0	0.0	-140.9	283.9	283.8	5.1
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.6	4.2
1.0	15.0	3.0	0.0	0.0	-117.0	245.4	243.9	2.9
1.0	15.0	2.0	0.0	0.0	-101.8	215.0	213.5	1.6
1.0	15.0	0.0	0.0	0.0	-176.3	354.6	354.5	10.8
1.0	15.0	0.0	0.0	0.0	-142.8	287.7	287.6	9.1
1.0	15.0	4.0	0.0	0.0	-159.6	330.8	329.2	18.8
1.0	15.0	3.0	0.0	0.0	-119.6	250.6	249.1	4.9
1.0	15.0	0.0	1.0	0.0	-157.8	327.2	325.6	9.5



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	0.0	2.0	0.0	-116.9	245.3	243.7	3.0
1.0	15.0	3.0	0.0	0.0	-126.1	272.2	268.2	4.2
0.6	15.0	2.0	0.0	0.0	-122.8	265.5	261.5	3.5
1.0	15.0	0.0	0.0	0.0	-126.3	254.7	254.6	4.4
0.9	15.0	0.0	3.0	0.0	-126.4	264.3	262.7	3.8
1.0	15.0	7.0	0.0	0.0	-172.1	355.8	354.3	11.2
1.0	15.0	6.0	0.0	0.0	-130.3	272.2	270.7	4.7
1.0	15.0	0.0	0.0	0.0	-143.0	288.1	288.0	5.6
1.0	15.0	0.0	5.0	0.0	-137.4	286.2	284.7	5.1
1.0	15.0	6.0	0.0	0.0	-155.7	331.4	327.4	7.4
1.0	15.0	6.0	0.0	0.0	-148.2	316.5	312.5	8.1
1.0	15.0	0.0	0.0	0.0	-157.0	316.1	316.0	8.4
1.0	15.0	0.0	5.0	0.0	-147.5	315.0	311.0	7.2
1.0	15.0	6.0	0.0	0.0	-137.9	295.8	291.8	6.2
1.0	15.0	6.0	0.0	0.0	-141.6	303.1	299.1	8.8
1.0	15.0	0.0	0.0	0.0	-175.8	353.7	353.6	12.5
1.0	15.0	0.0	2.0	0.0	-132.3	276.1	274.6	8.6
0.9	15.0	4.0	0.0	0.0	-86.1	192.1	188.1	2.1
1.0	15.0	1.0	0.0	0.0	-97.3	206.2	204.6	4.3
1.0	15.0	2.0	0.0	0.0	-142.3	304.6	300.6	17.9
1.0	15.0	0.0	3.0	0.0	-144.4	300.4	298.8	6.8
1.0	15.0	5.0	0.0	0.0	-148.7	317.4	313.4	12.1
1.0	15.0	7.0	0.0	0.0	-140.2	300.5	296.5	8.5
1.0	15.0	0.0	1.0	0.0	-169.6	341.3	341.2	11.0
1.0	15.0	0.0	1.0	0.0	-123.8	259.1	257.6	3.6
1.0	15.0	0.0	0.0	0.0	-108.2	218.5	218.4	2.7
0.5	15.0	1.0	0.0	0.0	-101.4	214.3	212.7	1.6
1.0	15.0	0.0	1.0	0.0	-156.4	324.3	322.8	7.7
1.0	15.0	0.0	1.0	0.0	-128.7	269.0	267.5	4.5
1.0	15.0	2.0	0.0	0.0	-161.1	333.8	332.3	10.5
1.0	15.0	2.0	0.0	0.0	-126.7	265.0	263.4	7.8
1.0	15.0	0.0	0.0	0.0	-133.5	269.0	268.9	4.5
1.0	15.0	0.0	0.0	0.0	-128.6	259.4	259.3	5.3
1.0	15.0	1.0	0.0	0.0	-148.5	308.5	307.0	6.2
1.0	15.0	1.0	0.0	0.0	-147.6	306.7	305.2	6.1
1.0	15.0	0.0	0.0	0.0	-130.3	262.7	262.6	5.0
1.0	15.0	0.0	1.0	0.0	-96.4	204.4	202.8	2.4
1.0	15.0	1.0	0.0	0.0	-121.3	254.1	252.5	3.5
1.0	15.0	1.0	0.0	0.0	-117.7	247.0	245.5	4.0
1.0	15.0	0.0	0.0	0.0	-141.2	284.5	284.5	6.1
1.0	15.0	0.0	2.0	0.0	-102.7	216.9	215.3	2.8
1.0	15.0	2.0	0.0	0.0	-165.4	342.4	340.9	11.0
1.0	15.0	2.0	0.0	0.0	-128.2	267.9	266.3	6.0
1.0	15.0	0.0	0.0	0.0	-150.7	303.5	303.4	6.7
1.0	15.0	0.0	3.0	0.0	-119.4	250.3	248.8	3.2
1.0	15.0	1.0	2.0	0.0	-148.5	308.5	307.0	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-140.7	292.9	291.4	6.0
1.0	15.0	0.0	1.0	0.0	-141.4	294.4	292.8	5.6
1.0	15.0	0.0	2.0	0.0	-150.7	312.9	311.3	6.5
1.0	15.0	0.0	2.0	0.0	-123.5	258.5	256.9	3.6
1.0	15.0	1.0	0.0	0.0	-117.2	245.9	244.4	6.7
1.0	15.0	0.0	1.0	0.0	-172.9	348.0	347.9	17.8
1.0	15.0	0.0	3.0	0.0	-127.2	266.0	264.5	6.6
0.8	15.0	1.0	0.0	0.0	-79.4	178.8	174.8	1.2
1.0	15.0	2.0	0.0	0.0	-91.7	194.9	193.4	5.9
0.9	15.0	0.0	1.0	0.0	-157.7	327.0	325.5	11.4
1.0	15.0	0.0	1.0	0.0	-129.1	269.8	268.2	4.1
1.0	15.0	0.0	0.0	0.0	-101.6	205.3	205.2	2.4
1.0	15.0	1.0	0.0	0.0	-120.2	252.0	250.4	9.7
1.0	15.0	0.0	1.0	0.0	-158.5	319.0	318.9	12.5
1.0	15.0	0.0	3.0	0.0	-141.7	294.9	293.3	6.2
1.0	15.0	0.0	0.0	0.0	-75.2	152.4	152.3	1.5
1.0	15.0	1.0	0.0	0.0	-75.6	162.6	161.1	2.1
1.0	15.0	0.0	1.0	0.0	-154.8	321.2	319.6	9.8
1.0	15.0	0.0	2.0	0.0	-126.2	264.0	262.4	3.9
1.0	15.0	2.0	0.0	0.0	-111.9	243.8	239.8	3.1
1.0	15.0	2.0	0.0	0.0	-125.5	262.4	260.9	13.0
1.0	15.0	0.0	2.0	0.0	-138.3	288.0	286.5	6.5
1.0	15.0	0.0	0.0	0.0	-130.6	263.2	263.1	4.6
1.0	15.0	3.0	0.0	0.0	-158.6	328.7	327.1	10.5
1.0	15.0	2.0	0.0	0.0	-131.2	273.9	272.4	5.5
1.0	15.0	0.0	0.0	0.0	-172.1	346.2	346.1	11.5
1.0	15.0	0.0	0.0	0.0	-143.1	288.3	288.2	6.6
1.0	15.0	2.0	0.0	0.0	-148.1	307.8	306.2	7.3
1.0	15.0	2.0	0.0	0.0	-131.8	275.1	273.6	5.6
1.0	15.0	0.0	0.0	0.0	-162.9	327.8	327.7	8.1
1.0	15.0	0.0	2.0	0.0	-131.1	273.8	272.2	5.5
1.0	15.0	2.0	1.0	0.0	-166.6	353.3	349.3	10.5
1.0	15.0	2.0	0.0	0.0	-141.6	294.8	293.3	7.8
1.0	15.0	0.0	0.0	0.0	-181.5	365.2	365.1	12.1
1.0	15.0	0.0	1.0	0.0	-122.1	255.7	254.2	3.8
1.0	15.0	0.0	0.0	0.0	-98.9	200.0	199.9	2.3
1.0	15.0	1.0	0.0	0.0	-107.0	225.5	224.0	3.3
1.0	15.0	0.0	0.0	0.0	-157.8	317.7	317.6	7.6
1.0	15.0	0.0	2.0	0.0	-113.7	238.9	237.4	3.1
1.0	15.0	0.0	0.0	0.0	-148.0	298.1	298.0	6.7
1.0	15.0	3.0	0.0	0.0	-135.1	281.7	280.2	5.1
1.0	15.0	0.0	0.0	0.0	-139.4	280.8	280.7	7.0
1.0	15.0	0.0	2.0	0.0	-109.8	231.2	229.7	2.6
1.0	15.0	1.0	0.0	0.0	-78.6	159.3	159.2	3.3
1.0	15.0	1.0	0.0	0.0	-76.8	165.1	163.6	1.6
1.0	15.0	0.0	2.0	0.0	-121.1	253.7	252.2	4.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-124.0	259.5	258.0	4.2
1.0	15.0	3.0	0.0	0.0	-141.7	295.0	293.5	7.7
1.0	15.0	3.0	0.0	0.0	-124.8	261.2	259.7	4.3
1.0	15.0	0.0	1.0	0.0	-149.6	301.2	301.2	10.2
1.0	15.0	0.0	1.0	0.0	-130.8	273.2	271.6	4.7
1.0	15.0	0.0	1.0	0.0	-95.9	193.8	193.7	4.6
1.0	15.0	1.0	0.0	0.0	-92.0	195.4	193.9	4.7
1.0	15.0	0.0	1.0	0.0	-139.7	291.0	289.4	5.3
1.0	15.0	0.0	0.0	0.0	-113.2	228.5	228.5	3.1
1.0	15.0	4.0	0.0	0.0	-175.1	361.8	360.3	13.0
0.8	15.0	3.0	0.0	0.0	-132.3	284.5	280.5	6.1
1.0	15.0	0.0	0.0	0.0	-147.7	297.6	297.5	6.3
1.0	15.0	0.0	2.0	0.0	-115.0	241.6	240.1	3.2
1.0	15.0	4.0	0.0	0.0	-146.6	304.7	303.1	6.0
1.0	15.0	3.0	0.0	0.0	-123.6	258.8	257.2	3.9
1.0	15.0	0.0	0.0	0.0	-131.9	265.8	265.7	5.2
1.0	15.0	0.0	0.0	0.0	-117.9	238.0	237.9	4.2
1.0	15.0	2.0	0.0	0.0	-155.6	322.8	321.3	15.7
1.0	15.0	1.0	0.0	0.0	-121.1	253.7	252.1	4.9
1.0	15.0	0.0	0.0	0.0	-130.4	262.9	262.8	4.5
1.0	15.0	0.0	0.0	0.0	-141.3	284.6	284.5	5.3
1.0	15.0	3.0	0.0	0.0	-141.3	294.1	292.5	15.6
1.0	15.0	3.0	0.0	0.0	-126.9	265.4	263.8	7.4
1.0	15.0	0.0	0.0	0.0	-160.6	323.3	323.2	8.6
1.0	15.0	0.0	0.0	0.0	-128.7	259.5	259.4	3.9
1.0	15.0	2.0	0.0	0.0	-92.8	197.2	195.7	2.5
1.0	15.0	1.0	0.0	0.0	-72.8	157.2	155.7	1.1
1.0	15.0	0.0	0.0	0.0	-155.9	313.9	313.8	7.1
1.0	15.0	0.0	0.0	0.0	-122.2	246.5	246.5	4.5
1.0	15.0	2.0	0.0	0.0	-124.0	259.5	257.9	7.3
1.0	15.0	2.0	0.0	0.0	-125.3	262.0	260.5	5.3
1.0	15.0	0.0	0.0	0.0	-141.9	285.9	285.8	5.5
1.0	15.0	0.0	0.0	0.0	-117.2	236.5	236.4	3.8
1.0	15.0	1.0	0.0	0.0	-95.4	202.4	200.8	2.4
1.0	15.0	2.0	0.0	0.0	-71.4	154.3	152.7	1.1
1.0	15.0	0.0	0.0	0.0	-158.0	318.0	317.9	9.1
1.0	15.0	0.0	0.0	0.0	-121.3	244.7	244.6	3.3
1.0	15.0	2.0	0.0	0.0	-114.1	239.6	238.1	3.1
1.0	15.0	2.0	0.0	0.0	-103.4	218.3	216.8	2.0
1.0	15.0	0.0	0.0	0.0	-166.3	334.8	334.7	9.7
1.0	15.0	0.0	0.0	0.0	-131.5	265.1	265.0	4.9
1.0	15.0	2.0	0.0	0.0	-158.2	328.0	326.5	8.8
1.0	15.0	2.0	0.0	0.0	-117.2	246.0	244.5	3.3
1.0	15.0	0.0	0.0	0.0	-155.9	314.0	313.9	8.1
1.0	15.0	0.0	2.0	0.0	-117.9	247.4	245.9	4.4
1.0	15.0	0.0	1.0	0.0	-150.8	303.7	303.7	9.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-118.7	248.9	247.3	3.5
1.0	15.0	0.0	2.0	0.0	-141.3	294.2	292.6	5.9
0.8	15.0	1.0	0.0	0.0	-128.5	268.5	267.0	6.6
1.0	15.0	4.0	0.0	0.0	-164.3	348.5	344.5	15.4
1.0	15.0	1.0	0.0	0.0	-136.5	293.0	289.0	7.3
1.0	15.0	0.0	1.0	0.0	-157.2	326.0	324.5	7.3
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.6	4.4
1.0	15.0	3.0	0.0	0.0	-131.9	275.4	273.8	7.0
1.0	15.0	2.0	0.0	0.0	-109.6	230.7	229.2	2.8
1.0	15.0	0.0	1.0	0.0	-156.6	315.3	315.2	11.4
1.0	15.0	0.0	1.0	0.0	-114.3	240.1	238.6	2.7
0.9	15.0	3.0	0.0	0.0	-88.1	187.8	186.3	1.7
1.0	15.0	1.0	0.0	0.0	-86.5	184.6	183.1	7.0
1.0	15.0	0.0	1.0	0.0	-126.4	264.2	262.7	4.1
0.5	15.0	0.0	1.0	0.0	-157.7	326.9	325.3	8.3
1.0	15.0	2.0	0.0	0.0	-117.8	247.1	245.5	5.9
1.0	15.0	2.0	0.0	0.0	-119.9	251.3	249.8	3.8
1.0	15.0	0.0	1.0	0.0	-170.1	351.7	350.1	12.3
1.0	15.0	0.0	1.0	0.0	-125.0	261.6	260.1	4.6
1.0	15.0	0.0	0.0	0.0	-102.7	207.5	207.4	3.9
1.0	15.0	1.0	0.0	0.0	-65.6	142.7	141.2	0.7
1.0	15.0	0.0	1.0	0.0	-154.1	319.7	318.2	7.1
1.0	15.0	0.0	1.0	0.0	-133.6	278.7	277.1	4.4
0.7	15.0	4.0	0.0	0.0	-120.7	261.4	257.4	6.7
1.0	15.0	1.0	0.0	0.0	-140.8	293.1	291.6	42.5
1.0	15.0	0.0	1.0	0.0	-141.7	294.9	293.3	6.0
1.0	15.0	0.0	0.0	0.0	-126.2	254.5	254.5	3.9
1.0	15.0	2.0	0.0	0.0	-117.6	246.7	245.2	5.9
1.0	15.0	2.0	0.0	0.0	-108.5	228.6	227.1	5.1
1.0	15.0	0.0	0.0	0.0	-148.6	299.3	299.2	6.1
1.0	15.0	0.0	0.0	0.0	-140.2	282.5	282.4	5.1
1.0	15.0	3.0	0.0	0.0	-157.1	325.7	324.1	7.7
1.0	15.0	2.0	0.0	0.0	-110.2	231.9	230.4	3.3
1.0	15.0	0.0	0.0	0.0	-144.9	292.0	291.9	7.0
1.0	15.0	0.0	2.0	0.0	-126.4	264.4	262.9	4.0
1.0	15.0	0.0	0.0	0.0	-141.0	284.2	284.1	5.5
1.0	15.0	2.0	0.0	0.0	-113.1	237.7	236.1	2.6
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.9	5.4
1.0	15.0	0.0	2.0	0.0	-134.3	280.2	278.6	4.3
1.0	15.0	0.0	0.0	0.0	-116.7	235.4	235.3	3.5
1.0	15.0	2.0	0.0	0.0	-102.1	215.7	214.2	1.7
1.0	15.0	0.0	0.0	0.0	-168.0	338.0	337.9	10.5
1.0	15.0	0.0	2.0	0.0	-118.3	248.2	246.7	3.3
1.0	15.0	0.0	0.0	0.0	-65.8	133.7	133.6	1.0
1.0	15.0	2.0	0.0	0.0	-71.8	155.2	153.7	0.9
1.0	15.0	0.0	0.0	0.0	-138.6	279.4	279.3	5.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-130.9	273.3	271.7	4.9
1.0	15.0	2.0	0.0	0.0	-156.6	324.8	323.3	9.5
1.0	15.0	2.0	0.0	0.0	-144.9	301.3	299.8	8.1
1.0	15.0	0.0	0.0	0.0	-134.0	270.1	270.1	6.1
1.0	15.0	0.0	0.0	0.0	-113.9	230.0	229.9	3.5
1.0	15.0	2.0	0.0	0.0	-171.0	353.6	352.1	12.8
1.0	15.0	2.0	0.0	0.0	-122.2	255.8	254.3	4.8
1.0	15.0	0.0	0.0	0.0	-159.3	320.7	320.6	8.8
1.0	15.0	0.0	1.0	0.0	-141.6	294.8	293.2	6.3
1.0	15.0	1.0	0.0	0.0	-164.4	330.9	330.8	11.0
0.9	15.0	2.0	0.0	0.0	-156.1	323.7	322.1	9.6
1.0	15.0	0.0	1.0	0.0	-139.4	290.3	288.7	6.2
1.0	15.0	0.0	0.0	0.0	-125.6	253.4	253.3	4.1
1.0	15.0	1.0	0.0	0.0	-157.5	326.5	324.9	8.1
1.0	15.0	1.0	0.0	0.0	-120.5	252.6	251.1	3.8
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	6.8
1.0	15.0	0.0	0.0	0.0	-140.9	284.0	283.9	5.5
1.0	15.0	2.0	0.0	0.0	-152.1	315.7	314.2	8.7
1.0	15.0	2.0	0.0	0.0	-111.7	234.9	233.3	3.5
1.0	15.0	0.0	0.0	0.0	-123.6	249.4	249.3	3.7
1.0	15.0	0.0	0.0	0.0	-125.3	252.6	252.5	5.0
1.0	15.0	1.0	0.0	0.0	-174.5	360.6	359.1	11.8
1.0	15.0	1.0	0.0	0.0	-126.9	265.4	263.8	6.3
1.0	15.0	0.0	0.0	0.0	-171.1	344.3	344.2	10.1
1.0	15.0	0.0	0.0	0.0	-130.8	263.6	263.5	5.6
0.6	15.0	4.0	0.0	0.0	-155.1	330.2	326.2	11.3
1.0	15.0	3.0	0.0	0.0	-148.0	307.5	305.9	7.3
1.0	15.0	0.0	0.0	0.0	-138.3	278.7	278.7	6.2
1.0	15.0	0.0	2.0	0.0	-165.7	342.5	341.4	5.6
1.0	15.0	0.0	0.0	0.0	-182.4	366.8	366.7	6.2
0.9	15.0	2.0	0.0	0.0	-169.5	350.0	348.9	4.2
1.0	15.0	0.0	1.0	0.0	-197.7	397.4	397.4	11.3
1.0	15.0	0.0	2.0	0.0	-122.7	256.8	255.3	4.9
1.0	15.0	0.0	0.0	0.0	-155.9	313.9	313.8	7.3
0.9	15.0	3.0	0.0	0.0	-141.7	294.9	293.4	5.6
1.0	15.0	0.0	1.0	0.0	-166.0	334.0	333.9	12.0
0.5	15.0	0.0	1.0	0.0	-139.1	289.8	288.2	6.5
0.7	15.0	3.0	1.0	0.0	-181.3	374.1	372.6	18.9
1.0	15.0	2.0	0.0	0.0	-146.7	304.9	303.3	10.9
1.0	15.0	0.0	0.0	0.0	-156.0	314.2	314.1	12.4
1.0	15.0	0.0	3.0	0.0	-130.6	272.7	271.2	6.0
0.5	15.0	2.0	2.0	0.0	-140.1	300.2	296.2	6.4
1.0	15.0	4.0	0.0	0.0	-147.7	307.0	305.5	8.2
1.0	15.0	0.0	3.0	0.0	-134.1	279.8	278.3	7.5
1.0	15.0	0.0	2.0	0.0	-120.4	252.3	250.7	3.5
1.0	15.0	0.0	2.0	0.0	-106.8	225.2	223.6	2.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-117.6	246.8	245.3	5.2
1.0	15.0	0.0	2.0	0.0	-161.3	334.2	332.6	9.9
1.0	15.0	0.0	2.0	0.0	-123.0	257.6	256.0	8.4
1.0	15.0	0.0	0.0	0.0	-64.1	130.2	130.1	1.2
1.0	15.0	2.0	0.0	0.0	-108.4	228.3	226.8	21.6
0.9	15.0	0.0	2.0	0.0	-134.8	281.2	279.6	5.5
1.0	15.0	0.0	2.0	0.0	-136.4	284.3	282.8	5.4
1.0	15.0	0.0	0.0	0.0	-75.5	153.1	153.0	1.3
1.0	15.0	2.0	0.0	0.0	-111.6	234.8	233.2	11.6
1.0	15.0	0.0	2.0	0.0	-148.9	309.3	307.8	7.4
0.9	15.0	0.0	3.0	0.0	-137.6	286.7	285.2	5.2
1.0	15.0	0.0	0.0	0.0	-73.0	148.2	148.1	1.4
1.0	15.0	2.0	0.0	0.0	-83.8	179.2	177.6	2.9
1.0	15.0	0.0	2.0	0.0	-151.9	315.4	313.8	9.2
1.0	15.0	0.0	2.0	0.0	-130.7	272.9	271.4	8.0
1.0	15.0	0.0	0.0	0.0	-122.4	246.9	246.8	5.4
1.0	15.0	2.0	0.0	0.0	-111.6	234.7	233.2	16.1
1.0	15.0	0.0	2.0	0.0	-158.1	327.7	326.1	12.2
1.0	15.0	0.0	0.0	0.0	-140.2	282.5	282.4	5.5
1.0	15.0	2.0	0.0	0.0	-159.8	331.2	329.6	10.0
1.0	15.0	3.0	0.0	0.0	-137.8	287.2	285.6	5.5
1.0	15.0	0.0	0.0	0.0	-126.7	255.4	255.3	4.6
1.0	15.0	1.0	1.0	0.0	-141.9	295.3	293.8	5.4
1.0	15.0	1.0	0.0	0.0	-87.2	176.5	176.4	4.7
0.9	15.0	1.0	0.0	0.0	-100.3	212.1	210.6	2.3
1.0	15.0	0.0	0.0	0.0	-162.3	326.8	326.7	9.3
0.8	15.0	0.0	1.0	0.0	-136.4	284.3	282.7	5.3
1.0	15.0	1.0	0.0	0.0	-143.4	298.4	296.9	6.9
1.0	15.0	1.0	0.0	0.0	-130.2	271.8	270.3	7.7
1.0	15.0	0.0	0.0	0.0	-133.2	268.5	268.4	5.4
1.0	15.0	0.0	0.0	0.0	-141.3	284.7	284.6	7.1
1.0	15.0	1.0	0.0	0.0	-166.7	344.9	343.4	25.8
1.0	15.0	1.0	0.0	0.0	-144.4	300.3	298.8	16.3
0.9	15.0	0.0	1.0	0.0	-162.6	327.2	327.1	15.7
1.0	15.0	2.0	0.0	0.0	-154.6	320.8	319.3	11.1
1.0	15.0	2.0	2.0	0.0	-193.1	406.2	402.2	26.7
1.0	15.0	2.0	2.0	0.0	-163.9	347.8	343.8	12.7
1.0	15.0	0.0	1.0	0.0	-178.1	358.3	358.2	16.9
1.0	15.0	0.0	2.0	0.0	-141.9	295.3	293.8	12.6
1.0	15.0	0.0	0.0	0.0	-62.7	127.5	127.4	1.1
1.0	15.0	2.0	0.0	0.0	-106.3	224.1	222.6	12.6
1.0	15.0	0.0	3.0	0.0	-189.4	390.3	388.8	18.2
1.0	15.0	0.0	3.0	0.0	-119.4	250.4	248.9	3.2
0.8	15.0	3.0	0.0	0.0	-102.7	216.9	215.3	2.0
1.0	15.0	3.0	0.0	0.0	-100.4	212.3	210.8	2.1
1.0	15.0	0.0	2.0	0.0	-149.4	310.5	308.8	11.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	6.0	0.0	-143.9	299.3	297.8	6.6
1.0	15.0	8.0	0.0	0.0	-181.8	375.1	373.5	14.2
1.0	15.0	8.0	0.0	0.0	-146.8	305.1	303.6	7.7
1.0	15.0	0.0	0.0	0.0	-150.3	302.6	302.5	6.6
1.0	15.0	0.0	3.0	0.0	-127.7	267.0	265.5	4.1
1.0	15.0	5.0	0.0	0.0	-168.4	348.3	346.8	10.1
0.9	15.0	4.0	0.0	0.0	-136.2	284.0	282.5	5.9
1.0	15.0	0.0	0.0	0.0	-164.6	331.2	331.1	11.4
1.0	15.0	0.0	0.0	0.0	-131.2	264.5	264.4	5.0
1.0	15.0	2.0	0.0	0.0	-129.2	278.4	274.4	4.5
1.0	15.0	1.0	0.0	0.0	-119.5	259.1	255.1	3.7
1.0	15.0	0.0	0.0	0.0	-143.3	288.7	288.6	6.1
1.0	15.0	0.0	0.0	0.0	-132.3	266.8	266.7	4.4
1.0	15.0	3.0	0.0	0.0	-161.8	335.2	333.6	10.2
1.0	15.0	2.0	0.0	0.0	-120.2	252.0	250.5	6.3
1.0	15.0	0.0	0.0	0.0	-158.6	319.4	319.3	8.2
1.0	15.0	1.0	0.0	0.0	-139.2	289.9	288.4	6.0
1.0	15.0	4.0	0.0	0.0	-127.3	266.1	264.6	7.1
0.7	15.0	4.0	0.0	0.0	-116.3	252.6	248.6	4.2
1.0	15.0	0.0	0.0	0.0	-164.7	331.5	331.4	11.2
1.0	15.0	0.0	0.0	0.0	-95.4	192.9	192.8	1.9
1.0	15.0	2.0	0.0	0.0	-82.5	176.6	175.1	1.7
1.0	15.0	3.0	0.0	0.0	-71.9	155.4	153.9	1.0
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	8.1
1.0	15.0	0.0	0.0	0.0	-124.7	251.5	251.4	3.7
1.0	15.0	2.0	0.0	0.0	-114.8	241.1	239.6	7.6
1.0	15.0	3.0	0.0	0.0	-109.9	231.4	229.9	5.4
1.0	15.0	0.0	0.0	0.0	-184.9	371.9	371.8	14.6
1.0	15.0	0.0	2.0	0.0	-110.1	231.8	230.2	2.6
1.0	15.0	2.0	0.0	0.0	-131.8	275.1	273.6	5.7
1.0	15.0	2.0	0.0	0.0	-124.6	260.7	259.1	4.7
1.0	15.0	0.0	0.0	0.0	-137.5	277.0	276.9	5.8
1.0	15.0	0.0	2.0	0.0	-124.4	260.3	258.7	3.9
1.0	15.0	2.0	2.0	0.0	-126.5	273.0	269.0	4.3
1.0	15.0	3.0	0.0	0.0	-128.1	267.7	266.2	6.0
1.0	15.0	0.0	2.0	0.0	-141.8	295.2	293.7	5.7
1.0	15.0	0.0	2.0	0.0	-137.1	285.8	284.3	7.2
0.9	15.0	3.0	2.0	0.0	-178.9	377.9	373.9	26.4
1.0	15.0	2.0	0.0	0.0	-137.5	286.6	285.1	9.1
1.0	15.0	0.0	2.0	0.0	-140.0	291.6	290.1	10.7
1.0	15.0	0.0	2.0	0.0	-158.8	329.1	327.5	8.3
1.0	15.0	0.0	0.0	0.0	-102.1	206.2	206.1	2.4
1.0	15.0	2.0	0.0	0.0	-128.5	268.5	267.0	17.1
1.0	15.0	0.0	2.0	0.0	-172.2	355.9	354.3	10.9
1.0	15.0	0.0	2.0	0.0	-125.7	262.9	261.3	7.6
1.0	15.0	1.0	0.0	0.0	-78.9	169.3	167.8	1.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-98.8	209.1	207.6	21.0
1.0	15.0	0.0	2.0	0.0	-127.8	267.1	265.6	4.9
1.0	15.0	0.0	1.0	0.0	-128.7	268.9	267.4	4.8
1.0	15.0	0.0	0.0	0.0	-96.0	194.1	194.0	7.5
1.0	15.0	1.0	0.0	0.0	-116.5	244.6	243.1	8.7
1.0	15.0	0.0	2.0	0.0	-156.6	324.8	323.3	8.3
0.8	15.0	0.0	2.0	0.0	-143.7	299.0	297.4	12.6
1.0	15.0	0.0	0.0	0.0	-61.2	124.5	124.4	0.9
1.0	15.0	2.0	0.0	0.0	-87.6	186.7	185.1	8.0
1.0	15.0	0.0	2.0	0.0	-143.0	297.7	296.1	14.0
1.0	15.0	0.0	2.0	0.0	-121.3	254.1	252.6	3.6
1.0	15.0	0.0	0.0	0.0	-111.3	224.7	224.6	3.1
1.0	15.0	1.0	0.0	0.0	-104.1	219.8	218.3	5.8
1.0	15.0	0.0	2.0	0.0	-153.4	318.4	316.8	6.8
0.9	15.0	0.0	3.0	0.0	-125.2	261.9	260.3	4.8
1.0	15.0	2.0	2.0	0.0	-128.5	276.9	272.9	4.3
0.9	15.0	3.0	0.0	0.0	-149.5	310.6	309.0	9.4
0.8	15.0	1.0	2.0	0.0	-139.5	299.1	295.1	5.5
0.9	15.0	0.0	2.0	0.0	-159.8	331.2	329.7	11.7
0.9	15.0	2.0	2.0	0.0	-188.4	396.7	392.7	42.8
1.0	15.0	0.0	2.0	0.0	-127.8	267.2	265.6	11.8
1.0	15.0	0.0	2.0	0.0	-170.0	351.6	350.1	21.3
1.0	15.0	0.0	2.0	0.0	-155.1	321.7	320.1	7.8
1.0	15.0	0.0	0.0	0.0	-130.1	262.2	262.1	6.5
1.0	15.0	2.0	0.0	0.0	-141.7	295.0	293.4	18.5
1.0	15.0	0.0	2.0	0.0	-171.1	353.6	352.1	11.4
1.0	15.0	0.0	2.0	0.0	-115.4	242.3	240.7	9.0
1.0	15.0	0.0	0.0	0.0	-82.8	167.8	167.7	2.1
1.0	15.0	1.0	0.0	0.0	-90.0	191.5	190.0	14.7
1.0	15.0	0.0	2.0	0.0	-125.4	262.4	260.9	8.9
1.0	15.0	0.0	5.0	0.0	-148.0	307.5	305.9	10.1
1.0	15.0	0.0	0.0	0.0	-72.9	147.8	147.7	1.3
1.0	15.0	2.0	0.0	0.0	-89.2	190.0	188.5	6.5
1.0	15.0	0.0	2.0	0.0	-169.7	350.8	349.3	19.3
1.0	15.0	0.0	1.0	0.0	-144.8	301.2	299.6	10.7
1.0	15.0	0.0	0.0	0.0	-108.4	218.9	218.8	4.3
1.0	15.0	1.0	0.0	0.0	-114.5	240.6	239.1	18.5
1.0	15.0	0.0	1.0	0.0	-154.2	320.0	318.4	9.5
1.0	15.0	0.0	2.0	0.0	-121.3	254.1	252.6	4.3
1.0	15.0	0.0	1.0	0.0	-103.6	218.7	217.1	1.8
1.0	15.0	1.0	0.0	0.0	-132.8	277.1	275.6	39.4
1.0	15.0	0.0	2.0	0.0	-149.0	309.6	308.1	6.4
1.0	15.0	0.0	0.0	0.0	-149.2	300.5	300.4	6.4
1.0	15.0	2.0	1.0	0.0	-177.7	375.3	371.3	20.4
1.0	15.0	1.0	1.0	0.0	-136.0	291.9	287.9	9.4
1.0	15.0	0.0	1.0	0.0	-152.0	306.0	306.0	11.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-112.8	237.1	235.6	2.8
1.0	15.0	0.0	0.0	0.0	-76.6	155.2	155.1	1.7
1.0	15.0	2.0	0.0	0.0	-70.3	152.1	150.6	1.1
1.0	15.0	0.0	0.0	0.0	-150.5	303.1	303.0	7.6
1.0	15.0	0.0	4.0	0.0	-131.9	275.2	273.7	5.4
1.0	15.0	4.0	0.0	0.0	-141.5	302.9	298.9	13.4
1.0	15.0	3.0	0.0	0.0	-124.0	268.0	264.0	6.5
1.0	15.0	0.0	1.0	0.0	-136.7	285.0	283.4	4.6
1.0	15.0	0.0	0.0	0.0	-121.6	245.2	245.1	4.0
1.0	15.0	2.0	0.0	0.0	-137.7	286.9	285.4	5.9
1.0	15.0	2.0	0.0	0.0	-119.1	249.8	248.2	3.2
1.0	15.0	0.0	0.0	0.0	-135.8	273.8	273.7	5.8
1.0	15.0	0.0	2.0	0.0	-143.9	299.3	297.8	6.5
1.0	15.0	0.0	0.0	0.0	-180.8	363.8	363.7	13.7
1.0	15.0	3.0	0.0	0.0	-170.7	353.0	351.5	14.4
1.0	15.0	0.0	0.0	0.0	-152.0	306.1	306.0	6.5
1.0	15.0	1.0	0.0	0.0	-125.7	263.0	261.5	4.2
0.9	15.0	1.0	0.0	0.0	-109.9	231.3	229.8	5.0
1.0	15.0	0.0	0.0	0.0	-114.4	231.0	230.9	4.1
1.0	15.0	0.0	0.0	0.0	-146.4	295.0	294.9	5.8
1.0	15.0	0.0	0.0	0.0	-129.2	260.4	260.4	4.4
1.0	15.0	1.0	0.0	0.0	-90.9	193.3	191.8	3.5
0.6	15.0	1.0	0.0	0.0	-104.3	220.2	218.7	3.0
1.0	15.0	0.0	0.0	0.0	-153.8	309.6	309.5	8.1
1.0	15.0	0.0	2.0	0.0	-119.1	249.7	248.2	3.8
1.0	15.0	4.0	0.0	0.0	-127.4	274.7	270.7	8.7
0.9	15.0	4.0	0.0	0.0	-114.8	249.6	245.6	5.1
1.0	15.0	0.0	0.0	0.0	-163.9	329.8	329.7	8.2
0.9	15.0	0.0	2.0	0.0	-257.7	526.1	525.4	4.8
1.0	15.0	4.0	0.0	0.0	-290.1	590.9	590.2	10.4
1.0	15.0	4.0	0.0	0.0	-260.4	531.5	530.7	9.3
1.0	15.0	0.0	0.0	0.0	-338.1	678.2	678.2	9.5
1.0	15.0	0.0	3.0	0.0	-112.8	237.2	235.7	2.7
1.0	15.0	3.0	0.0	0.0	-159.4	330.3	328.8	9.3
1.0	15.0	3.0	0.0	0.0	-129.9	271.4	269.9	5.6
1.0	15.0	0.0	0.0	0.0	-132.1	266.3	266.2	4.7
1.0	15.0	0.0	2.0	0.0	-123.1	257.7	256.1	5.8
0.9	15.0	2.0	0.0	0.0	-155.3	322.1	320.6	16.1
1.0	15.0	2.0	0.0	0.0	-132.0	275.5	274.0	10.4
1.0	15.0	0.0	2.0	0.0	-152.6	316.7	315.1	8.1
1.0	15.0	0.0	3.0	0.0	-136.6	284.8	283.3	4.7
1.0	15.0	2.0	0.0	0.0	-154.2	320.0	318.4	10.2
1.0	15.0	2.0	0.0	0.0	-132.8	277.1	275.6	5.4
1.0	15.0	0.0	0.0	0.0	-152.4	306.9	306.8	8.5
1.0	15.0	0.0	2.0	0.0	-118.9	249.3	247.7	5.0
1.0	15.0	0.0	0.0	0.0	-159.1	320.3	320.2	9.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-128.1	267.7	266.1	8.2
1.0	15.0	0.0	0.0	0.0	-143.5	289.0	288.9	8.2
1.0	15.0	0.0	0.0	0.0	-142.6	287.3	287.2	6.3
1.0	15.0	3.0	1.0	0.0	-190.2	392.0	390.5	53.0
0.8	15.0	3.0	1.0	0.0	-161.8	335.2	333.7	27.1
1.0	15.0	0.0	1.0	0.0	-139.5	281.2	281.1	11.3
1.0	15.0	0.0	2.0	0.0	-122.2	256.0	254.4	4.2
1.0	15.0	0.0	0.0	0.0	-97.7	197.6	197.5	2.9
1.0	15.0	2.0	0.0	0.0	-115.4	242.4	240.8	6.6
1.0	15.0	0.0	2.0	0.0	-149.9	311.4	309.9	6.6
1.0	15.0	0.0	1.0	0.0	-162.6	336.8	335.2	9.3
0.8	15.0	1.0	2.0	0.0	-205.4	430.7	426.7	35.5
0.4	15.0	1.0	0.0	0.0	-189.9	399.8	395.8	20.1
1.0	15.0	0.0	4.0	0.0	-161.2	333.9	332.4	9.6
1.0	15.0	0.0	4.0	0.0	-140.6	292.8	291.2	5.8
1.0	15.0	3.0	2.0	0.0	-144.3	308.6	304.6	8.2
1.0	15.0	4.0	0.0	0.0	-148.4	308.4	306.9	17.9
1.0	15.0	2.0	2.0	0.0	-183.4	378.4	376.9	12.6
1.0	15.0	0.0	0.0	0.0	-106.5	215.0	214.9	3.1
1.0	15.0	2.0	0.0	0.0	-156.1	323.8	322.2	8.9
1.0	15.0	2.0	0.0	0.0	-118.5	248.6	247.1	3.4
1.0	15.0	0.0	0.0	0.0	-130.7	263.5	263.5	4.5
0.9	15.0	0.0	1.0	0.0	-120.5	252.5	250.9	3.6
1.0	15.0	1.0	0.0	0.0	-142.8	297.2	295.6	10.9
1.0	15.0	1.0	0.0	0.0	-138.6	288.8	287.3	11.8
1.0	15.0	0.0	0.0	0.0	-147.2	296.4	296.3	5.8
1.0	15.0	0.0	3.0	0.0	-107.8	235.6	231.6	2.7
1.0	15.0	3.0	0.0	0.0	-173.1	366.2	362.2	22.1
1.0	15.0	3.0	0.0	0.0	-141.4	302.7	298.7	13.0
1.0	15.0	0.0	1.0	0.0	-157.9	317.9	317.8	14.5
1.0	15.0	0.0	2.0	0.0	-120.7	252.9	251.4	3.5
1.0	15.0	3.0	0.0	0.0	-139.8	291.1	289.6	5.2
1.0	15.0	3.0	0.0	0.0	-111.9	235.3	233.8	2.7
1.0	15.0	0.0	0.0	0.0	-175.9	353.9	353.8	13.1
0.5	15.0	0.0	5.0	0.0	-128.2	276.5	272.5	4.5
1.0	15.0	5.0	0.0	0.0	-157.1	334.3	330.3	8.6
1.0	15.0	4.0	0.0	0.0	-140.2	300.4	296.4	7.4
1.0	15.0	0.0	0.0	0.0	-159.2	320.6	320.5	7.6
1.0	15.0	0.0	0.0	0.0	-133.2	268.6	268.5	4.7
1.0	15.0	3.0	0.0	0.0	-157.9	327.3	325.8	11.4
1.0	15.0	3.0	0.0	0.0	-127.4	266.4	264.9	7.2
1.0	15.0	0.0	0.0	0.0	-140.6	283.2	283.1	6.2
1.0	15.0	0.0	0.0	0.0	-135.6	273.3	273.2	4.9
1.0	15.0	2.0	0.0	0.0	-158.9	329.3	327.7	12.1
1.0	15.0	3.0	0.0	0.0	-128.3	268.2	266.7	7.8
1.0	15.0	0.0	0.0	0.0	-144.4	290.9	290.8	6.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-126.2	263.9	262.4	6.8
0.7	15.0	2.0	1.0	0.0	-136.2	292.4	288.4	9.0
1.0	15.0	2.0	0.0	0.0	-130.0	271.6	270.1	6.0
1.0	15.0	0.0	1.0	0.0	-160.4	332.4	330.8	15.5
1.0	15.0	0.0	1.0	0.0	-138.6	288.8	287.3	5.4
1.0	15.0	4.0	1.0	0.0	-163.2	346.5	342.5	14.8
1.0	15.0	3.0	0.0	0.0	-142.8	305.7	301.7	9.6
1.0	15.0	0.0	2.0	0.0	-152.9	317.4	315.9	10.0
1.0	15.0	0.0	1.0	0.0	-141.2	293.9	292.3	8.2
1.0	15.0	0.0	0.0	0.0	-76.7	155.4	155.3	2.9
0.5	15.0	1.0	0.0	0.0	-72.7	157.0	155.4	2.0
1.0	15.0	0.0	1.0	0.0	-152.5	307.0	307.0	19.5
1.0	15.0	0.0	0.0	0.0	-123.7	249.5	249.4	5.2
1.0	15.0	1.0	0.0	0.0	-139.0	289.5	287.9	10.3
0.7	15.0	1.0	0.0	0.0	-137.9	287.4	285.8	10.1
1.0	15.0	0.0	0.0	0.0	-120.0	242.2	242.1	3.7
0.9	15.0	0.0	1.0	0.0	-137.9	287.4	285.8	4.7
1.0	15.0	1.0	0.0	0.0	-137.0	285.6	284.0	5.4
1.0	15.0	1.0	0.0	0.0	-145.3	302.2	300.7	6.2
1.0	15.0	0.0	0.0	0.0	-141.1	284.2	284.1	6.2
1.0	15.0	0.0	2.0	0.0	-137.0	285.5	283.9	5.3
0.9	15.0	2.0	3.0	0.0	-185.8	391.7	387.7	14.9
0.9	15.0	2.0	0.0	0.0	-167.0	345.5	344.0	9.6
1.0	15.0	0.0	2.0	0.0	-135.8	283.1	281.5	5.3
1.0	15.0	0.0	2.0	0.0	-128.7	269.0	267.5	4.5
1.0	15.0	0.0	0.0	0.0	-66.1	134.3	134.2	1.0
1.0	15.0	1.0	0.0	0.0	-86.1	183.8	182.3	6.0
1.0	15.0	0.0	3.0	0.0	-130.9	273.4	271.9	4.4
1.0	15.0	0.0	1.0	0.0	-141.9	295.3	293.7	5.7
1.0	15.0	0.0	0.0	0.0	-102.2	206.5	206.4	3.0
1.0	15.0	1.0	0.0	0.0	-88.3	188.2	186.6	2.7
1.0	15.0	0.0	2.0	0.0	-187.5	386.5	385.0	14.7
1.0	15.0	0.0	4.0	0.0	-137.0	285.6	284.1	4.7
1.0	15.0	4.0	0.0	0.0	-125.3	270.7	266.7	7.1
1.0	15.0	5.0	0.0	0.0	-142.6	305.2	301.2	9.5
1.0	15.0	0.0	4.0	0.0	-146.0	303.5	302.0	6.0
1.0	15.0	0.0	0.0	0.0	-148.4	299.0	298.9	7.0
1.0	15.0	2.0	0.0	0.0	-174.6	360.6	359.1	31.3
1.0	15.0	3.0	0.0	0.0	-135.2	282.0	280.5	22.0
1.0	15.0	0.0	0.0	0.0	-141.7	285.5	285.4	7.2
1.0	15.0	0.0	1.0	0.0	-135.1	281.8	280.2	7.2
1.0	15.0	0.0	0.0	0.0	-88.5	179.0	178.9	5.7
1.0	15.0	1.0	0.0	0.0	-113.1	237.7	236.2	5.2
1.0	15.0	0.0	1.0	0.0	-175.9	353.9	353.8	15.6
0.9	15.0	0.0	4.0	0.0	-144.1	299.8	298.3	6.1
1.0	15.0	4.0	4.0	0.0	-207.2	434.3	430.3	39.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	4.0	0.0	-174.5	369.0	365.0	20.4
1.0	15.0	0.0	4.0	0.0	-149.6	310.7	309.2	10.1
1.0	15.0	0.0	8.0	0.0	-163.3	338.2	336.7	14.8
1.0	15.0	0.0	0.0	0.0	-88.5	179.1	179.0	1.9
1.0	15.0	5.0	0.0	0.0	-158.8	329.1	327.5	14.5
1.0	15.0	1.0	6.0	0.0	-173.6	358.7	357.2	18.6
1.0	15.0	0.0	3.0	0.0	-129.5	270.6	269.0	4.3
1.0	15.0	3.0	0.0	0.0	-129.5	279.1	275.1	9.3
1.0	15.0	3.0	0.0	0.0	-138.4	296.8	292.8	12.7
1.0	15.0	0.0	3.0	0.0	-170.4	352.3	350.8	10.1
0.9	15.0	0.0	3.0	0.0	-127.0	274.0	270.0	4.2
1.0	15.0	3.0	3.0	0.0	-114.2	248.4	244.4	4.4
1.0	15.0	2.0	0.0	0.0	-104.1	228.1	224.1	2.3
1.0	15.0	0.0	0.0	0.0	-163.0	328.2	328.1	8.3
1.0	15.0	0.0	0.0	0.0	-131.5	265.1	265.0	4.9
1.0	15.0	1.0	0.0	0.0	-145.1	301.8	300.2	7.9
1.0	15.0	2.0	0.0	0.0	-108.9	229.4	227.8	2.5
1.0	15.0	0.0	0.0	0.0	-144.9	292.0	291.9	7.4
1.0	15.0	0.0	2.0	0.0	-139.7	291.0	289.4	10.3
1.0	15.0	6.0	0.0	0.0	-191.1	393.8	392.3	38.6
1.0	15.0	5.0	0.0	0.0	-143.3	298.1	296.5	23.3
1.0	15.0	0.0	1.0	0.0	-158.9	319.8	319.7	9.8
1.0	15.0	0.0	2.0	0.0	-112.7	237.0	235.4	2.9
1.0	15.0	0.0	0.0	0.0	-74.1	150.2	150.1	1.9
1.0	15.0	1.0	0.0	0.0	-79.2	169.9	168.4	3.9
1.0	15.0	0.0	1.0	0.0	-142.1	295.6	294.1	7.6
1.0	15.0	0.0	3.0	0.0	-159.0	329.5	328.0	10.1
1.0	15.0	0.0	0.0	0.0	-77.4	157.0	156.9	1.5
1.0	15.0	2.0	0.0	0.0	-123.2	257.9	256.4	6.7
1.0	15.0	0.0	2.0	0.0	-182.8	377.1	375.6	15.8
1.0	15.0	0.0	2.0	0.0	-154.6	320.8	319.2	9.3
1.0	15.0	1.0	3.0	0.0	-196.5	412.9	408.9	33.8
1.0	15.0	1.0	2.0	0.0	-148.2	316.4	312.4	16.0
1.0	15.0	0.0	3.0	0.0	-162.9	337.3	335.8	9.0
1.0	15.0	0.0	1.0	0.0	-127.9	267.4	265.8	4.5
0.8	15.0	2.0	0.0	0.0	-123.4	258.4	256.9	4.0
1.0	15.0	2.0	0.0	0.0	-110.8	233.2	231.6	4.0
1.0	15.0	0.0	1.0	0.0	-189.1	380.3	380.2	14.7
1.0	15.0	0.0	3.0	0.0	-131.7	274.8	273.3	13.1
1.0	15.0	0.0	0.0	0.0	-66.2	134.4	134.3	1.2
1.0	15.0	3.0	0.0	0.0	-105.1	221.7	220.2	14.1
1.0	15.0	0.0	3.0	0.0	-141.8	295.0	293.5	16.2
1.0	15.0	0.0	2.0	0.0	-140.3	292.1	290.6	4.9
1.0	15.0	2.0	0.0	0.0	-101.7	214.9	213.4	2.0
1.0	15.0	2.0	0.0	0.0	-114.7	241.0	239.5	3.6
1.0	15.0	0.0	0.0	0.0	-168.6	339.3	339.2	10.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-106.5	224.6	223.1	2.3
1.0	15.0	0.0	2.0	0.0	-104.3	220.1	218.5	1.9
1.0	15.0	2.0	0.0	0.0	-105.1	221.7	220.1	3.0
1.0	15.0	0.0	3.0	0.0	-161.5	334.5	332.9	8.9
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	4.2
1.0	15.0	2.0	0.0	0.0	-156.5	324.5	323.0	8.0
1.0	15.0	2.0	0.0	0.0	-115.8	243.2	241.7	3.1
1.0	15.0	0.0	0.0	0.0	-136.2	274.4	274.3	5.0
1.0	15.0	0.0	2.0	0.0	-121.7	255.0	253.4	3.4
1.0	15.0	3.0	0.0	0.0	-152.8	317.2	315.7	9.0
1.0	15.0	3.0	0.0	0.0	-123.3	258.1	256.6	3.8
1.0	15.0	0.0	0.0	0.0	-151.4	304.9	304.8	7.5
1.0	15.0	0.0	2.0	0.0	-116.7	245.0	243.4	4.0
0.9	15.0	2.0	0.0	0.0	-151.1	313.6	312.1	8.1
0.8	15.0	2.0	0.0	0.0	-145.9	311.8	307.8	8.6
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	8.2
1.0	15.0	0.0	0.0	0.0	-127.0	256.1	256.0	4.0
1.0	15.0	3.0	0.0	0.0	-151.7	315.0	313.5	8.5
1.0	15.0	2.0	0.0	0.0	-114.5	240.5	239.0	3.7
1.0	15.0	0.0	0.0	0.0	-163.3	328.8	328.7	8.5
1.0	15.0	0.0	2.0	0.0	-118.4	248.3	246.8	4.3
1.0	15.0	2.0	0.0	0.0	-142.7	297.0	295.4	5.6
1.0	15.0	2.0	0.0	0.0	-133.9	279.4	277.8	4.7
1.0	15.0	0.0	0.0	0.0	-122.7	247.4	247.3	3.6
1.0	15.0	0.0	0.0	0.0	-124.7	251.4	251.4	4.3
1.0	15.0	2.0	0.0	0.0	-145.7	302.9	301.4	8.0
1.0	15.0	1.0	0.0	0.0	-138.2	288.0	286.5	6.9
1.0	15.0	0.0	0.0	0.0	-149.6	301.3	301.2	6.9
1.0	15.0	0.0	0.0	0.0	-138.5	279.0	279.0	5.6
1.0	15.0	2.0	0.0	0.0	-165.6	342.7	341.1	24.4
1.0	15.0	1.0	0.0	0.0	-127.3	266.2	264.7	10.9
1.0	15.0	0.0	0.0	0.0	-166.9	335.9	335.8	9.9
0.5	15.0	0.0	3.0	0.0	-129.6	279.3	275.3	4.8
1.0	15.0	0.0	0.0	0.0	-115.7	233.4	233.3	3.8
0.6	15.0	3.0	0.0	0.0	-128.6	277.3	273.3	14.0
1.0	15.0	0.0	3.0	0.0	-141.0	293.6	292.0	6.1
1.0	15.0	0.0	4.0	0.0	-140.4	292.3	290.7	5.7
1.0	15.0	6.0	0.0	0.0	-168.7	349.0	347.4	10.2
1.0	15.0	6.0	0.0	0.0	-158.6	328.8	327.3	9.9
1.0	15.0	0.0	0.0	0.0	-163.3	328.7	328.6	9.5
1.0	15.0	0.0	0.0	0.0	-132.5	267.0	266.9	4.6
1.0	15.0	2.0	0.0	0.0	-159.4	330.4	328.8	8.6
0.9	15.0	2.0	0.0	0.0	-121.3	254.1	252.5	5.4
1.0	15.0	0.0	0.0	0.0	-154.8	311.6	311.5	8.3
1.0	15.0	0.0	0.0	0.0	-120.4	242.8	242.7	3.5
1.0	15.0	2.0	1.0	0.0	-158.5	328.5	327.0	9.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-131.0	273.6	272.0	6.4
1.0	15.0	0.0	0.0	0.0	-161.7	325.6	325.5	8.4
1.0	15.0	0.0	4.0	0.0	-123.0	266.0	262.0	3.6
1.0	15.0	7.0	0.0	0.0	-170.1	351.8	350.2	12.2
0.9	15.0	6.0	0.0	0.0	-144.8	309.6	305.6	6.7
1.0	15.0	0.0	0.0	0.0	-166.8	335.7	335.6	10.1
1.0	15.0	0.0	0.0	0.0	-140.8	283.7	283.6	5.4
1.0	15.0	4.0	0.0	0.0	-139.2	289.8	288.3	15.7
1.0	15.0	2.0	0.0	0.0	-130.8	273.2	271.6	10.7
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	8.2
1.0	15.0	0.0	0.0	0.0	-107.2	216.5	216.4	2.6
1.0	15.0	2.0	0.0	0.0	-87.6	186.7	185.2	2.7
1.0	15.0	3.0	0.0	0.0	-81.7	174.9	173.3	2.4
1.0	15.0	0.0	0.0	0.0	-143.7	289.5	289.4	6.0
1.0	15.0	0.0	0.0	0.0	-133.6	269.3	269.3	5.6
1.0	15.0	2.0	0.0	0.0	-120.8	253.1	251.5	7.4
1.0	15.0	2.0	0.0	0.0	-114.8	241.2	239.7	4.2
1.0	15.0	0.0	0.0	0.0	-186.4	374.8	374.7	14.7
1.0	15.0	0.0	0.0	0.0	-116.9	235.9	235.8	4.0
1.0	15.0	1.0	0.0	0.0	-100.9	213.4	211.8	3.1
1.0	15.0	2.0	0.0	0.0	-70.0	151.6	150.1	1.1
1.0	15.0	0.0	0.0	0.0	-153.5	309.1	309.0	9.2
1.0	15.0	0.0	0.0	0.0	-117.6	237.3	237.2	3.3
1.0	15.0	3.0	0.0	0.0	-113.8	239.2	237.6	6.8
1.0	15.0	2.0	0.0	0.0	-110.7	233.0	231.5	3.5
1.0	15.0	0.0	0.0	0.0	-152.4	306.9	306.8	7.8
1.0	15.0	0.0	0.0	0.0	-124.5	251.1	251.0	4.6
1.0	15.0	1.0	0.0	0.0	-142.5	296.5	294.9	8.5
1.0	15.0	1.0	0.0	0.0	-117.5	246.5	245.0	3.3
1.0	15.0	0.0	0.0	0.0	-119.6	241.3	241.2	3.5
1.0	15.0	0.0	2.0	0.0	-130.7	273.0	271.4	5.5
1.0	15.0	0.0	0.0	0.0	-145.3	292.6	292.5	7.3
1.0	15.0	2.0	0.0	0.0	-133.9	279.3	277.8	6.6
1.0	15.0	0.0	1.0	0.0	-132.2	275.9	274.4	7.2
1.0	15.0	0.0	2.0	0.0	-127.1	265.7	264.2	6.1
1.0	15.0	0.0	1.0	0.0	-154.1	310.2	310.1	9.4
1.0	15.0	2.0	0.0	0.0	-141.2	294.0	292.5	8.7
1.0	15.0	0.0	2.0	0.0	-155.3	322.2	320.7	10.9
1.0	15.0	0.0	2.0	0.0	-116.6	244.8	243.3	4.9
1.0	15.0	0.0	0.0	0.0	-61.9	125.9	125.8	1.5
0.7	15.0	2.0	0.0	0.0	-77.2	165.9	164.3	2.2
1.0	15.0	0.0	1.0	0.0	-145.9	293.9	293.8	8.6
1.0	15.0	0.0	1.0	0.0	-117.9	247.4	245.8	3.0
1.0	15.0	0.0	0.0	0.0	-69.8	141.6	141.6	1.0
0.7	15.0	1.0	0.0	0.0	-104.6	220.7	219.2	6.8
1.0	15.0	0.0	1.0	0.0	-147.8	307.2	305.7	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-127.6	266.7	265.2	4.8
1.0	15.0	0.0	0.0	0.0	-108.9	220.0	219.9	3.0
1.0	15.0	1.0	0.0	0.0	-111.1	233.7	232.2	3.0
1.0	15.0	0.0	1.0	0.0	-169.4	341.0	340.9	11.2
1.0	15.0	0.0	0.0	0.0	-119.2	240.4	240.3	4.1
1.0	15.0	1.0	0.0	0.0	-146.8	305.2	303.6	6.9
1.0	15.0	1.0	0.0	0.0	-137.8	287.1	285.6	6.1
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.1	5.5
1.0	15.0	0.0	2.0	0.0	-131.5	274.5	273.0	4.8
0.7	15.0	2.0	1.0	0.0	-158.4	336.8	332.8	8.0
1.0	15.0	2.0	0.0	0.0	-153.8	319.1	317.6	7.7
1.0	15.0	0.0	1.0	0.0	-123.9	259.4	257.9	4.9
1.0	15.0	0.0	1.0	0.0	-126.1	263.7	262.2	3.7
1.0	15.0	0.0	1.0	0.0	-113.2	237.9	236.4	3.1
0.6	15.0	1.0	0.0	0.0	-114.3	240.2	238.7	5.0
1.0	15.0	0.0	1.0	0.0	-164.3	340.2	338.7	10.0
1.0	15.0	0.0	2.0	0.0	-123.5	258.6	257.1	4.4
1.0	15.0	0.0	0.0	0.0	-67.6	137.2	137.1	1.1
1.0	15.0	1.0	0.0	0.0	-66.6	144.8	143.2	0.7
1.0	15.0	0.0	1.0	0.0	-170.6	352.7	351.1	12.0
1.0	15.0	0.0	1.0	0.0	-116.0	243.5	241.9	4.0
1.0	15.0	0.0	0.0	0.0	-92.2	186.5	186.4	3.2
1.0	15.0	1.0	0.0	0.0	-95.0	201.6	200.1	3.8
1.0	15.0	0.0	1.0	0.0	-185.8	373.7	373.6	15.9
1.0	15.0	0.0	2.0	0.0	-117.1	245.8	244.2	3.0
1.0	15.0	0.0	1.0	0.0	-130.3	272.0	270.5	4.5
1.0	15.0	2.0	0.0	0.0	-133.1	277.8	276.3	8.5
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.7	4.2
1.0	15.0	0.0	1.0	0.0	-126.6	264.8	263.3	4.4
1.0	15.0	0.0	1.0	0.0	-132.1	266.4	266.3	7.2
0.9	15.0	1.0	0.0	0.0	-109.9	231.3	229.8	5.5
1.0	15.0	0.0	1.0	0.0	-167.7	346.9	345.4	10.4
1.0	15.0	0.0	1.0	0.0	-105.4	222.4	220.9	2.3
1.0	15.0	0.0	0.0	0.0	-58.6	119.2	119.1	0.7
0.6	15.0	1.0	0.0	0.0	-83.9	179.3	177.7	9.8
1.0	15.0	0.0	1.0	0.0	-128.7	269.0	267.4	4.2
1.0	15.0	0.0	1.0	0.0	-125.7	262.9	261.3	4.0
1.0	15.0	0.0	0.0	0.0	-71.4	145.0	144.9	1.4
0.9	15.0	1.0	0.0	0.0	-67.0	145.6	144.0	1.8
1.0	15.0	0.0	1.0	0.0	-160.1	331.7	330.1	10.4
1.0	15.0	0.0	0.0	0.0	-131.8	265.6	265.6	4.5
1.0	15.0	3.0	0.0	0.0	-152.9	317.4	315.8	7.3
1.0	15.0	2.0	0.0	0.0	-115.5	242.6	241.1	3.1
1.0	15.0	0.0	0.0	0.0	-140.2	282.4	282.3	5.2
1.0	15.0	0.0	4.0	0.0	-131.8	283.5	279.5	4.8
1.0	15.0	2.0	3.0	0.0	-156.6	333.2	329.2	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	8.6
1.0	15.0	0.0	2.0	0.0	-156.3	324.1	322.6	8.1
1.0	15.0	0.0	3.0	0.0	-114.3	240.2	238.7	3.2
1.0	15.0	0.0	0.0	0.0	-83.6	169.2	169.1	1.8
1.0	15.0	2.0	0.0	0.0	-81.6	174.7	173.1	2.6
1.0	15.0	0.0	4.0	0.0	-127.5	266.5	265.0	5.3
1.0	15.0	0.0	3.0	0.0	-149.6	310.7	309.2	7.5
1.0	15.0	3.0	0.0	0.0	-118.0	256.0	252.0	4.9
1.0	15.0	3.0	0.0	0.0	-143.1	297.8	296.2	9.0
1.0	15.0	0.0	0.0	0.0	-174.8	351.7	351.6	11.2
1.0	15.0	0.0	4.0	0.0	-136.4	284.3	282.7	6.6
1.0	15.0	1.0	2.0	0.0	-111.3	234.1	232.6	2.7
1.0	15.0	3.0	0.0	0.0	-143.5	298.5	297.0	7.8
1.0	15.0	1.0	1.0	0.0	-168.5	339.0	338.9	11.7
1.0	15.0	0.0	6.0	0.0	-127.9	267.4	265.9	4.1
1.0	15.0	0.0	4.0	0.0	-81.5	174.5	173.0	1.2
1.0	15.0	2.0	0.0	0.0	-86.7	185.0	183.5	2.1
1.0	15.0	0.0	6.0	0.0	-179.2	370.0	368.4	18.1
1.0	15.0	0.0	0.0	0.0	-157.5	317.2	317.1	7.6
1.0	15.0	2.0	0.0	0.0	-160.5	332.5	331.0	9.0
1.0	15.0	3.0	0.0	0.0	-153.6	318.8	317.3	8.0
1.0	15.0	0.0	0.0	0.0	-124.8	251.6	251.5	5.0
1.0	15.0	0.0	1.0	0.0	-119.3	250.1	248.6	4.7
1.0	15.0	2.0	0.0	0.0	-134.9	281.3	279.7	4.9
1.0	15.0	2.0	0.0	0.0	-127.3	266.1	264.6	4.0
1.0	15.0	0.0	0.0	0.0	-135.1	272.2	272.1	4.8
1.0	15.0	0.0	0.0	0.0	-125.2	252.5	252.4	4.1
1.0	15.0	1.0	0.0	0.0	-104.3	220.1	218.5	2.5
0.9	15.0	1.0	0.0	0.0	-103.3	218.2	216.7	3.2
1.0	15.0	0.0	0.0	0.0	-175.0	352.1	352.0	11.0
1.0	15.0	0.0	0.0	0.0	-143.0	288.0	287.9	6.2
1.0	15.0	1.0	0.0	0.0	-156.6	324.7	323.2	7.9
1.0	15.0	1.0	0.0	0.0	-122.1	255.7	254.1	5.1
1.0	15.0	0.0	0.0	0.0	-158.1	318.2	318.1	8.9
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	4.0
1.0	15.0	3.0	0.0	0.0	-163.8	339.1	337.6	9.1
1.0	15.0	2.0	0.0	0.0	-113.4	238.4	236.9	2.9
1.0	15.0	0.0	0.0	0.0	-138.5	279.0	279.0	6.3
1.0	15.0	0.0	0.0	0.0	-144.0	290.1	290.0	6.1
0.8	15.0	2.0	0.0	0.0	-167.5	346.5	345.0	10.5
0.8	15.0	2.0	0.0	0.0	-146.3	312.6	308.6	7.5
1.0	15.0	0.0	1.0	0.0	-161.7	325.4	325.3	9.0
1.0	15.0	0.0	4.0	0.0	-117.2	245.9	244.4	3.1
1.0	15.0	5.0	0.0	0.0	-161.1	333.7	332.2	8.5
1.0	15.0	5.0	0.0	0.0	-160.7	332.9	331.4	10.5
1.0	15.0	0.0	0.0	0.0	-143.6	289.4	289.3	5.9



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-107.9	227.3	225.7	2.4
1.0	15.0	1.0	0.0	0.0	-125.9	263.4	261.9	4.5
1.0	15.0	1.0	0.0	0.0	-117.0	245.5	244.0	4.2
1.0	15.0	0.0	0.0	0.0	-113.4	229.0	228.9	3.3
1.0	15.0	0.0	0.0	0.0	-131.4	264.9	264.8	4.9
0.6	15.0	2.0	0.0	0.0	-105.3	230.6	226.6	6.6
1.0	15.0	2.0	0.0	0.0	-107.1	225.7	224.2	4.1
1.0	15.0	0.0	1.0	0.0	-156.8	315.7	315.6	10.1
1.0	15.0	0.0	0.0	0.0	-140.0	282.2	282.1	5.3
1.0	15.0	2.0	0.0	0.0	-173.3	358.1	356.6	12.4
1.0	15.0	1.0	0.0	0.0	-121.5	254.6	253.0	3.9
1.0	15.0	0.0	0.0	0.0	-155.9	314.0	313.9	7.5
1.0	15.0	0.0	1.0	0.0	-143.4	298.4	296.9	5.7
1.0	15.0	1.0	0.0	0.0	-141.3	294.1	292.6	6.5
1.0	15.0	1.0	0.0	0.0	-134.7	280.9	279.3	8.3
1.0	15.0	0.0	0.0	0.0	-130.4	262.9	262.8	4.5
1.0	15.0	0.0	1.0	0.0	-111.2	234.0	232.5	3.0
1.0	15.0	2.0	0.0	0.0	-149.6	310.7	309.2	8.6
1.0	15.0	2.0	0.0	0.0	-140.8	293.1	291.6	9.6
1.0	15.0	0.0	0.0	0.0	-133.9	269.9	269.9	5.7
0.8	15.0	0.0	2.0	0.0	-122.4	256.4	254.9	4.0
0.9	15.0	2.0	0.0	0.0	-127.3	266.1	264.5	20.7
1.0	15.0	2.0	0.0	0.0	-119.6	250.7	249.2	13.3
1.0	15.0	0.0	1.0	0.0	-176.7	355.4	355.3	13.8
1.0	15.0	0.0	0.0	0.0	-145.6	293.4	293.3	9.2
1.0	15.0	1.0	1.0	0.0	-166.8	353.6	349.6	13.0
0.6	15.0	1.0	1.0	0.0	-133.7	287.4	283.4	8.1
1.0	15.0	0.0	1.0	0.0	-167.7	346.9	345.4	10.1
1.0	15.0	0.0	3.0	0.0	-134.0	279.6	278.0	6.3
1.0	15.0	3.0	0.0	0.0	-148.6	308.7	307.2	8.3
1.0	15.0	3.0	0.0	0.0	-143.4	298.3	296.8	8.2
1.0	15.0	0.0	0.0	0.0	-149.2	300.6	300.5	6.2
0.8	15.0	3.0	1.0	0.0	-129.7	271.0	269.5	4.2
1.0	15.0	1.0	0.0	0.0	-116.5	253.0	249.0	5.0
0.5	15.0	1.0	0.0	0.0	-111.2	242.5	238.5	3.2
1.0	15.0	0.0	1.0	0.0	-151.8	315.2	313.7	7.6
1.0	15.0	0.0	7.0	0.0	-119.7	250.9	249.3	3.2
1.0	15.0	2.0	0.0	0.0	-100.9	221.8	217.8	3.6
1.0	15.0	3.0	0.0	0.0	-87.8	195.6	191.6	2.5
1.0	15.0	1.0	0.0	0.0	-152.6	307.2	307.1	7.3
1.0	15.0	0.0	0.0	0.0	-145.2	292.5	292.4	8.3
1.0	15.0	2.0	0.0	0.0	-170.2	351.9	350.4	15.4
1.0	15.0	3.0	0.0	0.0	-134.4	280.2	278.7	7.0
1.0	15.0	0.0	0.0	0.0	-159.8	321.6	321.5	10.4
1.0	15.0	0.0	2.0	0.0	-125.1	261.7	260.2	4.2
1.0	15.0	3.0	0.0	0.0	-189.1	389.7	388.2	22.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-139.2	289.8	288.3	6.2
1.0	15.0	0.0	0.0	0.0	-139.6	281.3	281.2	5.6
1.0	15.0	0.0	6.0	0.0	-127.0	265.6	264.0	4.0
1.0	15.0	4.0	2.0	0.0	-147.2	314.4	310.4	8.0
1.0	15.0	6.0	0.0	0.0	-157.9	335.9	331.9	10.6
1.0	15.0	0.0	4.0	0.0	-136.4	284.3	282.8	5.6
1.0	15.0	0.0	5.0	0.0	-138.8	289.1	287.5	5.0
0.6	15.0	2.0	2.0	0.0	-193.5	406.9	402.9	26.7
1.0	15.0	5.0	0.0	0.0	-155.2	330.4	326.4	9.5
1.0	15.0	0.0	5.0	0.0	-150.5	312.5	311.0	7.0
0.8	15.0	0.0	6.0	0.0	-128.0	267.5	265.9	4.7
0.6	15.0	0.0	5.0	0.0	-103.0	225.9	221.9	2.9
1.0	15.0	3.0	0.0	0.0	-144.2	299.9	298.4	18.3
1.0	15.0	0.0	4.0	0.0	-156.6	324.9	323.3	9.1
1.0	15.0	0.0	3.0	0.0	-113.9	239.3	237.8	4.3
1.0	15.0	0.0	0.0	0.0	-56.6	115.2	115.1	0.7
1.0	15.0	3.0	0.0	0.0	-113.5	238.5	236.9	15.6
0.9	15.0	0.0	6.0	0.0	-135.2	282.0	280.4	13.8
1.0	15.0	0.0	3.0	0.0	-146.1	303.6	302.1	7.2
1.0	15.0	0.0	0.0	0.0	-90.2	182.5	182.4	1.6
1.0	15.0	2.0	0.0	0.0	-123.1	257.7	256.2	6.5
1.0	15.0	0.0	3.0	0.0	-189.1	389.8	388.2	16.1
0.9	15.0	0.0	5.0	0.0	-127.0	265.6	264.1	4.7
1.0	15.0	0.0	0.0	0.0	-117.7	237.4	237.4	3.7
1.0	15.0	2.0	0.0	0.0	-88.7	189.0	187.5	4.0
1.0	15.0	0.0	4.0	0.0	-153.1	317.8	316.2	8.7
1.0	15.0	0.0	5.0	0.0	-131.4	274.2	272.7	4.7
1.0	15.0	0.0	2.0	0.0	-114.9	241.4	239.8	2.9
1.0	15.0	3.0	0.0	0.0	-137.5	286.6	285.1	11.3
1.0	15.0	0.0	4.0	0.0	-170.3	352.1	350.6	10.3
1.0	15.0	0.0	2.0	0.0	-119.6	250.8	249.3	3.2
1.0	15.0	1.0	2.0	0.0	-134.7	289.3	285.3	7.0
0.9	15.0	3.0	0.0	0.0	-134.2	288.5	284.5	7.0
1.0	15.0	0.0	2.0	0.0	-133.9	279.3	277.8	5.1
1.0	15.0	0.0	1.0	0.0	-123.0	257.6	256.0	4.3
1.0	15.0	0.0	1.0	0.0	-173.0	357.5	355.9	15.7
0.8	15.0	1.0	0.0	0.0	-137.3	294.7	290.7	7.3
1.0	15.0	0.0	1.0	0.0	-151.4	314.4	312.8	7.6
1.0	15.0	0.0	1.0	0.0	-133.1	277.7	276.2	7.9
1.0	15.0	0.0	0.0	0.0	-73.8	149.6	149.5	2.7
1.0	15.0	1.0	0.0	0.0	-102.0	215.5	214.0	5.3
1.0	15.0	0.0	2.0	0.0	-123.6	258.7	257.2	5.3
1.0	15.0	0.0	2.0	0.0	-138.7	289.0	287.5	4.9
1.0	15.0	0.0	0.0	0.0	-73.5	149.1	149.0	1.5
1.0	15.0	2.0	0.0	0.0	-117.4	246.3	244.8	10.9
1.0	15.0	0.0	2.0	0.0	-162.3	336.2	334.6	9.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-130.4	272.4	270.8	4.2
0.6	15.0	0.0	2.0	0.0	-103.9	219.4	217.8	2.0
1.0	15.0	2.0	0.0	0.0	-117.4	246.4	244.8	7.7
1.0	15.0	0.0	2.0	0.0	-159.0	329.6	328.0	8.3
0.9	15.0	0.0	2.0	0.0	-728.9	1467.9	1467.7	3.5
1.0	15.0	3.0	0.0	0.0	-1059.9	2130.1	2129.9	13.4
1.0	15.0	2.0	0.0	0.0	-855.7	1721.6	1721.4	7.1
1.0	15.0	0.0	0.0	0.0	-948.7	1899.3	1899.3	8.5
1.0	15.0	0.0	2.0	0.0	-492.0	994.4	994.0	3.8
1.0	15.0	2.0	0.0	0.0	-633.8	1278.0	1277.7	9.1
1.0	15.0	2.0	0.0	0.0	-508.4	1027.2	1026.9	4.9
1.0	15.0	0.0	0.0	0.0	-639.3	1280.5	1280.5	8.7
1.0	15.0	0.0	2.0	0.0	-726.4	1462.9	1462.7	3.7
1.0	15.0	2.0	0.0	0.0	-1015.2	2040.5	2040.3	11.5
1.0	15.0	2.0	0.0	0.0	-804.2	1618.6	1618.4	7.2
1.0	15.0	0.0	0.0	0.0	-899.0	1800.1	1800.1	6.8
1.0	15.0	0.0	0.0	0.0	-144.8	291.7	291.6	6.0
1.0	15.0	2.0	0.0	0.0	-158.9	329.3	327.7	14.1
1.0	15.0	1.0	0.0	0.0	-116.1	243.7	242.2	4.0
1.0	15.0	0.0	1.0	0.0	-166.1	334.2	334.1	12.8
1.0	15.0	0.0	0.0	0.0	-134.6	271.3	271.2	4.8
1.0	15.0	2.0	0.0	0.0	-167.5	346.6	345.1	11.3
1.0	15.0	2.0	0.0	0.0	-125.7	262.9	261.4	4.7
1.0	15.0	0.0	0.0	0.0	-149.3	300.8	300.7	7.7
0.8	15.0	0.0	1.0	0.0	-135.3	282.2	280.7	6.8
1.0	15.0	0.0	0.0	0.0	-98.3	198.7	198.6	3.0
1.0	15.0	1.0	0.0	0.0	-109.7	231.0	229.4	7.2
1.0	15.0	0.0	1.0	0.0	-172.0	346.0	346.0	13.0
0.9	15.0	0.0	2.0	0.0	-123.8	259.1	257.5	5.5
0.8	15.0	3.0	0.0	0.0	-113.1	237.7	236.2	5.4
0.8	15.0	2.0	0.0	0.0	-116.9	245.2	243.7	6.0
1.0	15.0	0.0	1.0	0.0	-160.4	322.9	322.8	12.6
1.0	15.0	0.0	0.0	0.0	-141.2	284.5	284.4	5.6
1.0	15.0	2.0	0.0	0.0	-156.5	324.5	323.0	9.9
0.7	15.0	3.0	0.0	0.0	-118.6	257.2	253.2	4.8
1.0	15.0	0.0	0.0	0.0	-143.6	289.4	289.3	6.1
0.9	15.0	0.0	2.0	0.0	-122.8	257.2	255.6	3.9
1.0	15.0	2.0	0.0	0.0	-153.1	317.7	316.1	8.0
0.9	15.0	3.0	0.0	0.0	-147.1	314.1	310.1	7.0
1.0	15.0	0.0	0.0	0.0	-140.8	283.8	283.7	8.0
1.0	15.0	0.0	2.0	0.0	-130.7	272.9	271.4	4.4
1.0	15.0	3.0	0.0	0.0	-168.5	348.4	346.9	12.4
1.0	15.0	3.0	0.0	0.0	-152.5	316.6	315.0	9.4
1.0	15.0	0.0	0.0	0.0	-162.2	326.5	326.4	8.5
1.0	15.0	0.0	2.0	0.0	-125.7	263.0	261.5	5.0
1.0	15.0	4.0	0.0	0.0	-185.8	383.1	381.6	19.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-155.4	322.3	320.8	17.9
1.0	15.0	0.0	0.0	0.0	-153.9	309.8	309.7	6.9
1.0	15.0	0.0	2.0	0.0	-128.3	268.1	266.5	4.5
1.0	15.0	2.0	0.0	0.0	-129.3	270.1	268.6	5.5
1.0	15.0	2.0	0.0	0.0	-133.8	279.2	277.7	7.9
1.0	15.0	0.0	0.0	0.0	-151.8	305.6	305.5	7.9
1.0	15.0	0.0	0.0	0.0	-134.9	272.0	271.9	6.7
1.0	15.0	2.0	0.0	0.0	-108.5	228.6	227.1	2.4
0.6	15.0	2.0	0.0	0.0	-109.3	230.2	228.7	3.0
1.0	15.0	0.0	0.0	0.0	-181.9	365.9	365.8	13.4
1.0	15.0	0.0	1.0	0.0	-137.5	286.5	285.0	7.9
0.5	15.0	2.0	1.0	0.0	-147.8	315.7	311.7	6.4
1.0	15.0	2.0	0.0	0.0	-130.8	273.2	271.7	4.1
1.0	15.0	0.0	1.0	0.0	-133.4	278.3	276.8	6.1
1.0	15.0	2.0	0.0	0.0	-132.5	285.0	281.0	6.1
0.9	15.0	1.0	0.0	0.0	-162.4	336.3	334.8	17.6
1.0	15.0	1.0	0.0	0.0	-128.9	269.2	267.7	5.3
1.0	15.0	0.0	1.0	0.0	-161.7	325.5	325.4	15.9
1.0	15.0	0.0	1.0	0.0	-120.5	252.5	251.0	3.5
1.0	15.0	0.0	0.0	0.0	-70.4	143.0	142.9	1.1
0.9	15.0	1.0	0.0	0.0	-74.0	159.6	158.0	1.5
1.0	15.0	0.0	1.0	0.0	-122.7	256.9	255.4	4.5
1.0	15.0	0.0	1.0	0.0	-144.5	300.6	299.1	5.9
1.0	15.0	2.0	0.0	0.0	-115.3	250.6	246.6	2.9
1.0	15.0	1.0	0.0	0.0	-114.8	241.1	239.6	4.2
1.0	15.0	0.0	1.0	0.0	-167.0	345.6	344.1	9.3
1.0	15.0	0.0	1.0	0.0	-118.1	247.8	246.3	3.8
1.0	15.0	0.0	1.0	0.0	-129.2	270.0	268.5	4.4
1.0	15.0	1.0	0.0	0.0	-131.8	275.2	273.7	7.7
1.0	15.0	0.0	1.0	0.0	-145.4	302.4	300.9	6.8
1.0	15.0	0.0	4.0	0.0	-148.4	308.3	306.7	9.7
1.0	15.0	3.0	3.0	0.0	-194.9	409.8	405.8	30.5
1.0	15.0	3.0	2.0	0.0	-159.6	339.3	335.3	11.1
1.0	15.0	0.0	3.0	0.0	-156.3	324.1	322.6	10.4
1.0	15.0	3.0	1.0	0.0	-140.0	300.0	296.0	5.6
1.0	15.0	0.0	1.0	0.0	-114.0	239.6	238.0	3.0
1.0	15.0	1.0	3.0	0.0	-112.4	244.8	240.8	15.4
1.0	15.0	1.0	3.0	0.0	-179.3	370.2	368.6	13.8
1.0	15.0	0.0	2.0	0.0	-115.6	242.8	241.3	5.3
1.0	15.0	0.0	0.0	0.0	-67.9	137.9	137.8	1.5
1.0	15.0	1.0	0.0	0.0	-86.4	184.4	182.8	4.9
1.0	15.0	0.0	1.0	0.0	-149.4	310.3	308.8	8.4
1.0	15.0	0.0	1.0	0.0	-114.8	241.1	239.6	3.0
1.0	15.0	0.0	0.0	0.0	-83.4	169.0	168.9	3.2
1.0	15.0	1.0	0.0	0.0	-99.7	210.9	209.3	5.3
1.0	15.0	0.0	1.0	0.0	-168.8	349.2	347.6	12.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-142.2	296.0	294.4	5.2
1.0	15.0	4.0	1.0	0.0	-113.7	247.5	243.5	3.2
1.0	15.0	2.0	0.0	0.0	-138.6	288.7	287.1	9.0
1.0	15.0	0.0	3.0	0.0	-175.4	362.3	360.7	11.5
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.9	10.9
0.8	15.0	2.0	0.0	0.0	-187.9	377.8	377.8	33.1
1.0	15.0	2.0	0.0	0.0	-151.7	323.4	319.4	10.3
1.0	15.0	0.0	2.0	0.0	-164.5	340.5	338.9	13.8
1.0	15.0	0.0	0.0	0.0	-131.9	265.9	265.9	4.4
1.0	15.0	1.0	0.0	0.0	-128.0	267.6	266.0	4.8
1.0	15.0	1.0	0.0	0.0	-129.1	269.7	268.2	4.8
1.0	15.0	0.0	0.0	0.0	-129.1	260.3	260.2	4.5
1.0	15.0	0.0	1.0	0.0	-105.8	213.7	213.6	5.5
1.0	15.0	1.0	0.0	0.0	-104.8	221.1	219.6	5.0
1.0	15.0	1.0	0.0	0.0	-87.4	186.4	184.9	6.6
1.0	15.0	0.0	0.0	0.0	-166.0	334.2	334.1	9.2
1.0	15.0	0.0	1.0	0.0	-132.2	275.9	274.3	4.7
1.0	15.0	2.0	0.0	0.0	-123.6	258.7	257.2	12.2
1.0	15.0	2.0	0.0	0.0	-118.4	248.3	246.8	17.7
1.0	15.0	0.0	2.0	0.0	-157.1	325.8	324.2	7.5
1.0	15.0	0.0	0.0	0.0	-112.1	226.3	226.2	3.1
0.5	15.0	2.0	0.0	0.0	-168.2	348.0	346.5	15.6
0.6	15.0	2.0	0.0	0.0	-128.5	277.0	273.0	10.4
1.0	15.0	0.0	0.0	0.0	-163.7	329.5	329.4	8.6
1.0	15.0	0.0	1.0	0.0	-119.2	249.9	248.4	4.3
1.0	15.0	3.0	0.0	0.0	-129.5	270.6	269.1	20.2
1.0	15.0	2.0	0.0	0.0	-122.9	257.4	255.8	30.7
1.0	15.0	0.0	1.0	0.0	-177.3	356.8	356.7	12.9
1.0	15.0	0.0	9.0	0.0	-141.7	294.9	293.4	6.5
1.0	15.0	4.0	0.0	0.0	-146.8	313.7	309.7	7.6
1.0	15.0	7.0	0.0	0.0	-172.0	364.0	360.0	13.9
1.0	15.0	0.0	6.0	0.0	-164.3	340.1	338.5	10.6
1.0	15.0	0.0	0.0	0.0	-130.4	262.9	262.8	4.3
0.5	15.0	1.0	0.0	0.0	-174.8	361.1	359.6	12.0
1.0	15.0	1.0	0.0	0.0	-113.3	238.2	236.7	5.3
1.0	15.0	0.0	0.0	0.0	-117.4	236.8	236.7	3.0
1.0	15.0	0.0	0.0	0.0	-117.2	236.4	236.3	3.1
1.0	15.0	1.0	0.0	0.0	-168.6	348.7	347.2	9.6
0.5	15.0	1.0	0.0	0.0	-127.5	266.5	265.0	6.1
1.0	15.0	0.0	0.0	0.0	-129.5	261.1	261.0	4.5
1.0	15.0	0.0	0.0	0.0	-247.7	497.4	497.4	5.8
1.0	15.0	3.0	0.0	0.0	-268.9	548.5	547.7	10.1
1.0	15.0	2.0	0.0	0.0	-255.5	521.8	521.0	7.0
1.0	15.0	0.0	0.0	0.0	-312.5	627.1	627.0	8.8
1.0	15.0	1.0	0.0	0.0	-151.4	314.4	312.8	7.0
1.0	15.0	9.0	2.0	0.0	-169.5	360.2	354.9	28.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	8.0	2.0	0.0	-162.1	345.4	340.2	22.1
1.0	15.0	0.0	1.0	0.0	-167.5	337.1	337.0	10.5
1.0	15.0	0.0	5.0	0.0	-116.1	243.8	242.2	2.9
1.0	15.0	7.0	0.0	0.0	-175.9	363.4	361.9	13.3
1.0	15.0	7.0	0.0	0.0	-157.8	327.1	325.6	9.5
1.0	15.0	0.0	0.0	0.0	-157.5	317.2	317.1	8.1
1.0	15.0	0.0	2.0	0.0	-135.1	281.8	280.3	5.2
1.0	15.0	8.0	0.0	0.0	-177.9	367.3	365.8	13.3
1.0	15.0	8.0	0.0	0.0	-150.8	313.2	311.7	7.9
1.0	15.0	0.0	0.0	0.0	-160.4	323.0	322.9	8.4
1.0	15.0	0.0	0.0	0.0	-121.0	244.1	244.1	4.0
1.0	15.0	2.0	0.0	0.0	-146.7	305.0	303.4	7.5
1.0	15.0	2.0	0.0	0.0	-114.4	240.4	238.9	3.5
1.0	15.0	0.0	0.0	0.0	-145.2	292.4	292.3	5.7
1.0	15.0	0.0	2.0	0.0	-122.7	257.0	255.4	4.8
1.0	15.0	3.0	1.0	0.0	-170.9	361.8	357.7	12.7
1.0	15.0	3.0	0.0	0.0	-145.0	310.2	306.1	8.6
1.0	15.0	0.0	2.0	0.0	-160.1	331.8	330.2	11.4
1.0	15.0	0.0	1.0	0.0	-139.2	290.0	288.4	5.5
1.0	15.0	0.0	0.0	0.0	-100.7	203.4	203.3	2.3
0.7	15.0	1.0	0.0	0.0	-72.6	156.7	155.2	1.1
1.0	15.0	2.0	1.0	0.0	-140.7	301.5	297.5	8.9
1.0	15.0	0.0	2.0	0.0	-133.2	277.9	276.4	5.7
1.0	15.0	0.0	0.0	0.0	-107.7	217.5	217.4	4.3
1.0	15.0	2.0	0.0	0.0	-108.2	227.9	226.4	3.0
0.5	15.0	0.0	1.0	0.0	-159.9	331.3	329.7	13.0
1.0	15.0	1.0	2.0	0.0	-138.5	288.6	287.1	12.3
1.0	15.0	0.0	2.0	0.0	-141.3	294.2	292.7	5.6
1.0	15.0	1.0	0.0	0.0	-142.3	296.1	294.6	10.8
1.0	15.0	0.0	2.0	0.0	-149.7	311.0	309.5	14.4
1.0	15.0	0.0	2.0	0.0	-143.6	298.7	297.1	6.7
1.0	15.0	2.0	2.0	0.0	-194.1	408.4	404.3	29.2
1.0	15.0	2.0	0.0	0.0	-150.7	321.5	317.3	14.5
1.0	15.0	0.0	3.0	0.0	-156.6	324.8	323.3	10.3
1.0	15.0	2.0	1.0	0.0	-143.8	299.2	297.7	9.3
1.0	15.0	0.0	2.0	0.0	-107.0	225.5	224.0	2.1
1.0	15.0	1.0	1.0	0.0	-127.1	265.8	264.3	9.4
1.0	15.0	0.0	2.0	0.0	-179.4	370.4	368.8	11.8
1.0	15.0	0.0	2.0	0.0	-126.4	264.4	262.9	5.4
1.0	15.0	0.0	0.0	0.0	-72.9	147.8	147.8	1.7
1.0	15.0	1.0	0.0	0.0	-94.8	201.1	199.6	9.0
1.0	15.0	2.0	1.0	0.0	-159.2	330.0	328.4	10.8
1.0	15.0	0.0	2.0	0.0	-140.6	292.7	291.2	10.1
1.0	15.0	0.0	0.0	0.0	-107.4	217.0	216.9	3.4
1.0	15.0	2.0	0.0	0.0	-128.4	268.4	266.8	28.2
1.0	15.0	0.0	3.0	0.0	-187.4	386.3	384.7	16.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-140.0	291.5	290.0	5.7
1.0	15.0	0.0	0.0	0.0	-78.7	159.4	159.3	2.1
1.0	15.0	1.0	0.0	0.0	-71.4	154.4	152.9	1.3
1.0	15.0	0.0	2.0	0.0	-170.1	351.8	350.2	12.3
1.0	15.0	0.0	2.0	0.0	-133.0	277.5	275.9	8.0
1.0	15.0	0.0	0.0	0.0	-103.6	209.2	209.2	3.7
1.0	15.0	2.0	0.0	0.0	-109.4	230.3	228.8	4.7
0.8	15.0	0.0	1.0	0.0	-164.1	339.7	338.2	14.3
1.0	15.0	0.0	1.0	0.0	-131.7	275.0	273.5	4.6
1.0	15.0	2.0	1.0	0.0	-166.4	352.7	348.7	14.6
1.0	15.0	2.0	0.0	0.0	-134.4	288.9	284.9	7.3
1.0	15.0	0.0	1.0	0.0	-148.1	307.8	306.2	6.5
1.0	15.0	0.0	2.0	0.0	-120.8	253.2	251.7	3.6
1.0	15.0	1.0	1.0	0.0	-115.8	251.6	247.6	3.8
1.0	15.0	2.0	0.0	0.0	-123.4	258.3	256.8	11.2
1.0	15.0	0.0	2.0	0.0	-151.3	314.2	312.7	6.9
1.0	15.0	0.0	2.0	0.0	-114.5	240.5	238.9	3.6
1.0	15.0	2.0	0.0	0.0	-136.7	293.3	289.3	5.6
0.9	15.0	2.0	0.0	0.0	-128.4	276.8	272.8	4.6
1.0	15.0	0.0	1.0	0.0	-152.5	307.0	306.9	10.5
1.0	15.0	0.0	5.0	0.0	-149.1	309.6	308.1	7.8
1.0	15.0	4.0	1.0	0.0	-160.4	340.8	336.8	9.3
1.0	15.0	5.0	0.0	0.0	-176.3	372.6	368.6	14.3
1.0	15.0	0.0	2.0	0.0	-133.9	279.3	277.7	5.2
1.0	15.0	0.0	1.0	0.0	-134.5	280.5	279.0	5.5
0.6	15.0	1.0	1.0	0.0	-151.5	323.2	319.1	24.2
0.7	15.0	2.0	0.0	0.0	-108.0	236.1	232.0	8.6
1.0	15.0	0.0	1.0	0.0	-137.4	286.4	284.8	5.7
1.0	15.0	0.0	1.0	0.0	-130.3	272.1	270.5	9.6
1.0	15.0	0.0	0.0	0.0	-84.1	170.2	170.1	2.1
0.5	15.0	1.0	0.0	0.0	-109.8	231.1	229.6	7.7
1.0	15.0	0.0	1.0	0.0	-157.8	327.1	325.5	10.3
1.0	15.0	0.0	2.0	0.0	-109.0	229.6	228.1	3.1
1.0	15.0	0.0	0.0	0.0	-60.0	122.0	121.9	0.7
1.0	15.0	1.0	0.0	0.0	-86.7	184.9	183.3	9.4
1.0	15.0	0.0	2.0	0.0	-123.6	258.8	257.3	3.8
1.0	15.0	0.0	1.0	0.0	-122.4	256.3	254.8	4.1
1.0	15.0	0.0	0.0	0.0	-78.4	158.9	158.8	1.3
1.0	15.0	1.0	0.0	0.0	-90.6	192.6	191.1	4.5
1.0	15.0	0.0	1.0	0.0	-155.3	322.2	320.6	8.4
1.0	15.0	0.0	1.0	0.0	-141.0	293.6	292.1	6.1
1.0	15.0	2.0	0.0	0.0	-82.7	185.3	181.3	1.3
1.0	15.0	3.0	0.0	0.0	-71.2	153.9	152.3	1.3
1.0	15.0	0.0	2.0	0.0	-131.2	273.8	272.3	5.6
1.0	15.0	0.0	1.0	0.0	-137.9	287.4	285.9	5.9
1.0	15.0	0.0	1.0	0.0	-106.0	223.6	222.1	2.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-114.5	240.5	239.0	19.3
1.0	15.0	0.0	1.0	0.0	-140.7	293.0	291.4	6.8
1.0	15.0	0.0	3.0	0.0	-137.0	285.6	284.0	6.1
1.0	15.0	3.0	1.0	0.0	-171.3	362.6	358.6	19.3
1.0	15.0	3.0	0.0	0.0	-138.0	296.0	292.0	10.0
1.0	15.0	0.0	1.0	0.0	-128.9	269.4	267.9	5.5
1.0	15.0	0.0	2.0	0.0	-127.4	266.4	264.8	3.9
1.0	15.0	0.0	0.0	0.0	-100.0	202.0	201.9	2.9
1.0	15.0	2.0	0.0	0.0	-97.9	207.3	205.7	1.3
1.0	15.0	0.0	1.0	0.0	-161.4	334.3	332.7	8.0
1.0	15.0	0.0	3.0	0.0	-138.3	288.2	286.6	6.1
1.0	15.0	2.0	0.0	0.0	-177.3	374.5	370.5	18.3
1.0	15.0	3.0	0.0	0.0	-140.9	301.8	297.8	7.8
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	11.6
1.0	15.0	0.0	2.0	0.0	-128.0	267.5	266.0	4.3
1.0	15.0	0.0	0.0	0.0	-116.2	234.6	234.5	3.9
1.0	15.0	2.0	0.0	0.0	-104.3	220.1	218.6	2.5
1.0	15.0	0.0	1.0	0.0	-173.8	349.7	349.6	14.9
1.0	15.0	0.0	1.0	0.0	-122.1	255.7	254.1	3.5
0.9	15.0	1.0	1.0	0.0	-161.7	343.3	339.3	14.0
1.0	15.0	2.0	1.0	0.0	-123.4	266.9	262.9	4.5
1.0	15.0	0.0	1.0	0.0	-142.3	296.2	294.7	6.4
1.0	15.0	0.0	1.0	0.0	-142.4	296.3	294.8	9.9
1.0	15.0	0.0	0.0	0.0	-112.4	226.9	226.8	4.0
1.0	15.0	1.0	0.0	0.0	-102.5	216.6	215.0	20.7
1.0	15.0	0.0	0.0	0.0	-170.2	342.5	342.4	16.6
1.0	15.0	0.0	2.0	0.0	-115.8	243.2	241.6	3.6
1.0	15.0	0.0	1.0	0.0	-150.9	304.0	303.9	9.4
1.0	15.0	2.0	0.0	0.0	-126.4	264.4	262.9	4.8
1.0	15.0	0.0	2.0	0.0	-154.1	319.8	318.3	9.3
1.0	15.0	0.0	3.0	0.0	-149.8	311.1	309.6	15.5
0.7	15.0	1.0	2.0	0.0	-186.5	392.9	388.9	42.7
1.0	15.0	2.0	1.0	0.0	-154.1	328.3	324.3	35.2
1.0	15.0	0.0	2.0	0.0	-176.0	363.6	362.0	20.0
1.0	15.0	1.0	1.0	0.0	-149.6	310.8	309.3	6.9
1.0	15.0	0.0	1.0	0.0	-108.6	228.8	227.2	2.2
0.8	15.0	1.0	0.0	0.0	-124.1	259.7	258.2	6.2
1.0	15.0	0.0	2.0	0.0	-164.3	340.2	338.7	9.4
1.0	15.0	0.0	2.0	0.0	-118.1	247.8	246.3	5.2
1.0	15.0	0.0	0.0	0.0	-79.7	161.6	161.5	1.9
1.0	15.0	1.0	0.0	0.0	-87.0	185.5	184.0	5.6
1.0	15.0	0.0	1.0	0.0	-160.0	331.5	330.0	8.6
1.0	15.0	0.0	1.0	0.0	-134.4	280.3	278.7	5.2
1.0	15.0	0.0	0.0	0.0	-78.2	158.4	158.3	2.6
1.0	15.0	1.0	0.0	0.0	-105.6	222.8	221.2	5.5
1.0	15.0	0.0	2.0	0.0	-161.1	333.7	332.2	8.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-120.5	252.6	251.0	3.6
1.0	15.0	0.0	1.0	0.0	-108.9	229.4	227.8	2.3
1.0	15.0	1.0	0.0	0.0	-106.6	224.7	223.1	2.4
1.0	15.0	0.0	1.0	0.0	-160.9	333.4	331.9	8.6
1.0	15.0	1.0	4.0	0.0	-143.0	297.6	296.0	5.6
1.0	15.0	4.0	0.0	0.0	-120.2	252.0	250.4	4.1
1.0	15.0	4.0	0.0	0.0	-116.5	244.5	243.0	3.4
1.0	15.0	0.0	0.0	0.0	-157.9	317.8	317.7	8.1
1.0	15.0	0.0	0.0	0.0	-153.6	309.4	309.3	7.0
1.0	15.0	5.0	0.0	0.0	-190.5	392.5	391.0	16.6
1.0	15.0	2.0	0.0	0.0	-144.1	299.7	298.2	7.0
1.0	15.0	0.0	0.0	0.0	-170.8	343.7	343.6	12.6
1.0	15.0	0.0	0.0	0.0	-128.7	259.5	259.4	4.1
1.0	15.0	1.0	0.0	0.0	-162.4	336.3	334.7	9.1
1.0	15.0	1.0	0.0	0.0	-119.0	249.5	248.0	5.5
1.0	15.0	0.0	0.0	0.0	-125.9	253.8	253.7	4.1
1.0	15.0	0.0	2.0	0.0	-120.6	252.7	251.2	4.4
0.7	15.0	2.0	1.0	0.0	-147.1	314.1	310.1	7.4
0.8	15.0	2.0	0.0	0.0	-145.6	311.2	307.2	7.6
1.0	15.0	0.0	2.0	0.0	-161.1	333.8	332.2	10.1
1.0	15.0	0.0	1.0	0.0	-117.9	247.3	245.8	4.1
1.0	15.0	0.0	1.0	0.0	-108.8	219.6	219.5	6.0
1.0	15.0	1.0	0.0	0.0	-105.3	222.2	220.7	13.9
1.0	15.0	0.0	1.0	0.0	-174.4	360.4	358.8	12.0
1.0	15.0	0.0	2.0	0.0	-122.7	256.9	255.4	5.6
1.0	15.0	0.0	0.0	0.0	-64.3	130.6	130.5	1.0
1.0	15.0	1.0	0.0	0.0	-85.8	183.2	181.7	6.4
1.0	15.0	0.0	2.0	0.0	-140.1	291.7	290.2	5.6
1.0	15.0	0.0	1.0	0.0	-111.1	233.8	232.3	2.6
1.0	15.0	0.0	0.0	0.0	-77.2	156.4	156.3	1.6
1.0	15.0	1.0	0.0	0.0	-90.0	191.6	190.1	4.7
1.0	15.0	0.0	1.0	0.0	-167.6	346.7	345.2	9.3
1.0	15.0	0.0	1.0	0.0	-143.9	299.3	297.7	5.2
1.0	15.0	0.0	0.0	0.0	-80.1	162.2	162.2	3.2
1.0	15.0	1.0	0.0	0.0	-69.7	150.9	149.3	1.5
1.0	15.0	0.0	1.0	0.0	-156.0	323.6	322.0	8.3
1.0	15.0	0.0	1.0	0.0	-119.5	250.6	249.0	3.4
1.0	15.0	0.0	1.0	0.0	-113.4	238.3	236.7	2.6
1.0	15.0	1.0	0.0	0.0	-103.9	219.3	217.7	2.9
1.0	15.0	0.0	1.0	0.0	-166.3	344.2	342.6	9.0
1.0	15.0	0.0	0.0	0.0	-144.1	290.3	290.2	6.0
1.0	15.0	3.0	0.0	0.0	-168.5	348.5	346.9	12.8
1.0	15.0	2.0	0.0	0.0	-119.6	250.7	249.1	4.3
1.0	15.0	0.0	0.0	0.0	-170.7	343.4	343.3	10.4
1.0	15.0	0.0	1.0	0.0	-108.0	227.6	226.0	2.4
1.0	15.0	2.0	0.0	0.0	-132.8	277.2	275.7	5.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-121.1	253.7	252.2	4.9
1.0	15.0	0.0	0.0	0.0	-127.5	257.1	257.0	4.5
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.3	5.0
1.0	15.0	0.0	2.0	0.0	-179.2	369.9	368.3	21.5
0.5	15.0	1.0	1.0	0.0	-143.9	307.9	303.9	9.7
1.0	15.0	0.0	2.0	0.0	-134.3	280.2	278.7	9.5
1.0	15.0	0.0	0.0	0.0	-129.5	261.2	261.1	4.3
1.0	15.0	1.0	0.0	0.0	-141.6	294.7	293.2	6.1
0.9	15.0	1.0	0.0	0.0	-122.1	255.8	254.3	5.4
1.0	15.0	0.0	0.0	0.0	-150.6	303.2	303.1	8.7
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.6	4.5
1.0	15.0	3.0	0.0	0.0	-154.7	320.9	319.4	10.3
1.0	15.0	2.0	0.0	0.0	-129.1	269.7	268.2	6.0
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	5.7
1.0	15.0	0.0	0.0	0.0	-121.7	245.5	245.4	4.2
1.0	15.0	2.0	0.0	0.0	-161.6	334.7	333.2	13.2
1.0	15.0	2.0	0.0	0.0	-115.7	242.8	241.3	3.6
1.0	15.0	0.0	0.0	0.0	-133.4	269.0	268.9	4.5
1.0	15.0	0.0	2.0	0.0	-119.8	251.1	249.6	5.4
1.0	15.0	0.0	0.0	0.0	-103.9	209.9	209.8	4.2
1.0	15.0	2.0	0.0	0.0	-102.5	216.6	215.0	4.1
1.0	15.0	0.0	1.0	0.0	-148.5	308.6	307.1	6.9
1.0	15.0	0.0	0.0	0.0	-118.4	238.9	238.8	4.5
1.0	15.0	2.0	0.0	0.0	-138.8	289.2	287.6	5.6
1.0	15.0	2.0	0.0	0.0	-115.3	242.1	240.6	3.5
1.0	15.0	0.0	0.0	0.0	-169.1	340.4	340.3	9.8
1.0	15.0	0.0	0.0	0.0	-122.2	246.5	246.4	3.9
1.0	15.0	2.0	0.0	0.0	-142.6	296.8	295.2	7.4
0.6	15.0	2.0	0.0	0.0	-127.1	274.3	270.3	6.5
1.0	15.0	0.0	0.0	0.0	-154.7	311.5	311.4	7.8
1.0	15.0	0.0	0.0	0.0	-244.1	490.2	490.2	3.6
1.0	15.0	8.0	0.0	0.0	-266.3	543.2	542.5	4.9
1.0	15.0	8.0	0.0	0.0	-249.1	508.9	508.2	4.0
1.0	15.0	0.0	8.0	0.0	-315.4	641.6	640.9	8.1
1.0	15.0	0.0	2.0	0.0	-124.5	260.5	259.0	4.1
1.0	15.0	3.0	1.0	0.0	-140.4	300.9	296.9	6.5
1.0	15.0	2.0	0.0	0.0	-134.8	289.6	285.6	5.9
1.0	15.0	0.0	1.0	0.0	-150.9	313.4	311.8	7.7
0.7	15.0	0.0	4.0	0.0	-118.8	257.6	253.6	3.7
1.0	15.0	5.0	1.0	0.0	-173.3	366.5	362.5	21.1
1.0	15.0	4.0	1.0	0.0	-157.2	334.4	330.4	12.8
1.0	15.0	0.0	1.0	0.0	-146.7	305.0	303.5	7.3
1.0	15.0	0.0	2.0	0.0	-130.5	272.5	271.0	4.7
1.0	15.0	1.0	0.0	0.0	-95.2	192.4	192.3	3.7
1.0	15.0	1.0	0.0	0.0	-87.5	186.5	185.0	4.3
1.0	15.0	1.0	1.0	0.0	-164.1	330.4	330.3	17.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-131.0	273.5	272.0	4.5
1.0	15.0	1.0	0.0	0.0	-82.1	175.8	174.3	2.1
1.0	15.0	1.0	0.0	0.0	-88.2	187.9	186.4	2.6
1.0	15.0	0.0	1.0	0.0	-169.4	350.3	348.7	11.3
1.0	15.0	0.0	1.0	0.0	-123.1	257.8	256.2	4.6
1.0	15.0	0.0	0.0	0.0	-114.9	231.8	231.7	4.1
1.0	15.0	1.0	0.0	0.0	-121.2	253.9	252.3	16.0
1.0	15.0	0.0	1.0	0.0	-156.0	323.6	322.0	9.3
1.0	15.0	0.0	0.0	0.0	-119.2	240.5	240.4	4.0
1.0	15.0	3.0	0.0	0.0	-188.8	389.1	387.6	16.6
1.0	15.0	2.0	0.0	0.0	-157.1	325.7	324.1	7.6
1.0	15.0	0.0	0.0	0.0	-149.2	300.5	300.4	6.4
1.0	15.0	0.0	2.0	0.0	-123.3	258.1	256.5	4.6
1.0	15.0	2.0	0.0	0.0	-133.0	286.0	282.0	5.3
1.0	15.0	3.0	0.0	0.0	-145.2	301.9	300.4	8.4
1.0	15.0	0.0	1.0	0.0	-162.9	328.0	327.9	11.2
1.0	15.0	0.0	3.0	0.0	-127.3	266.3	264.7	5.3
1.0	15.0	4.0	1.0	0.0	-189.8	399.7	395.6	35.7
0.8	15.0	4.0	0.0	0.0	-149.1	318.3	314.1	26.3
1.0	15.0	0.0	3.0	0.0	-170.0	351.5	350.0	14.6
1.0	15.0	0.0	1.0	0.0	-144.0	299.5	298.0	7.3
1.0	15.0	0.0	0.0	0.0	-117.1	236.2	236.2	3.8
1.0	15.0	1.0	0.0	0.0	-115.5	242.6	241.0	7.5
1.0	15.0	0.0	1.0	0.0	-170.3	352.1	350.6	10.7
1.0	15.0	0.0	2.0	0.0	-265.5	541.7	541.0	6.9
1.0	15.0	0.0	0.0	0.0	-206.9	415.9	415.9	3.3
1.0	15.0	2.0	0.0	0.0	-275.7	562.1	561.4	30.3
1.0	15.0	0.0	2.0	0.0	-318.6	648.0	647.3	8.8
1.0	15.0	0.0	4.0	0.0	-122.7	257.0	255.4	3.8
0.6	15.0	5.0	0.0	0.0	-150.5	321.0	317.0	11.1
0.9	15.0	5.0	0.0	0.0	-164.9	341.3	339.7	12.8
1.0	15.0	0.0	0.0	0.0	-143.8	289.7	289.6	6.5
1.0	15.0	0.0	1.0	0.0	-112.7	236.9	235.4	3.4
1.0	15.0	1.0	0.0	0.0	-142.2	295.9	294.4	6.6
1.0	15.0	1.0	0.0	0.0	-124.2	260.0	258.5	5.4
1.0	15.0	0.0	0.0	0.0	-132.2	266.6	266.5	5.0
1.0	15.0	0.0	0.0	0.0	-157.3	316.6	316.6	10.6
1.0	15.0	2.0	0.0	0.0	-153.0	317.6	316.0	7.2
1.0	15.0	2.0	0.0	0.0	-132.0	275.6	274.1	6.4
1.0	15.0	0.0	0.0	0.0	-163.1	328.4	328.3	9.2
1.0	15.0	0.0	3.0	0.0	-130.5	272.5	271.0	4.3
1.0	15.0	2.0	0.0	0.0	-113.2	237.9	236.3	4.1
1.0	15.0	2.0	0.0	0.0	-100.6	212.8	211.3	2.9
1.0	15.0	0.0	0.0	0.0	-186.8	375.6	375.6	13.9
1.0	15.0	0.0	2.0	0.0	-118.7	249.0	247.4	3.3
0.7	15.0	4.0	0.0	0.0	-117.6	255.1	251.1	3.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-117.1	245.8	244.3	3.4
1.0	15.0	0.0	0.0	0.0	-145.6	293.3	293.2	6.3
1.0	15.0	0.0	2.0	0.0	-129.3	270.2	268.7	4.4
1.0	15.0	1.0	0.0	0.0	-141.9	295.4	293.9	7.4
1.0	15.0	2.0	0.0	0.0	-116.4	244.4	242.9	5.0
1.0	15.0	0.0	0.0	0.0	-141.0	284.0	283.9	5.4
1.0	15.0	0.0	2.0	0.0	-120.3	252.2	250.7	3.4
1.0	15.0	3.0	0.0	0.0	-145.8	303.1	301.5	8.6
1.0	15.0	3.0	0.0	0.0	-121.2	254.0	252.5	5.2
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	6.6
1.0	15.0	0.0	3.0	0.0	-146.6	304.8	303.3	7.8
1.0	15.0	3.0	2.0	0.0	-135.1	290.1	286.1	7.7
1.0	15.0	5.0	0.0	0.0	-182.0	375.6	374.0	27.4
1.0	15.0	0.0	5.0	0.0	-156.8	325.2	323.7	9.6
1.0	15.0	0.0	0.0	0.0	-123.3	248.8	248.7	3.8
1.0	15.0	2.0	0.0	0.0	-141.8	295.2	293.7	6.1
1.0	15.0	2.0	0.0	0.0	-127.7	267.0	265.4	4.0
1.0	15.0	0.0	0.0	0.0	-148.9	299.8	299.7	6.5
1.0	15.0	0.0	0.0	0.0	-125.3	252.8	252.7	4.3
1.0	15.0	2.0	0.0	0.0	-145.4	302.4	300.8	10.5
1.0	15.0	2.0	0.0	0.0	-136.0	283.6	282.0	9.2
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	6.8
1.0	15.0	0.0	3.0	0.0	-113.0	237.5	235.9	2.9
1.0	15.0	0.0	2.0	0.0	-102.3	216.2	214.6	2.9
1.0	15.0	3.0	0.0	0.0	-151.5	314.5	313.0	31.6
1.0	15.0	0.0	4.0	0.0	-154.6	320.7	319.1	7.9
1.0	15.0	0.0	0.0	0.0	-136.8	275.7	275.6	5.6
0.8	15.0	1.0	0.0	0.0	-184.5	380.6	379.0	16.4
1.0	15.0	1.0	1.0	0.0	-162.4	336.4	334.8	13.9
1.0	15.0	0.0	1.0	0.0	-164.3	330.7	330.6	11.5
1.0	15.0	0.0	0.0	0.0	-148.0	298.0	297.9	6.7
0.7	15.0	1.0	4.0	0.0	-162.5	344.9	340.9	13.7
0.8	15.0	1.0	5.0	0.0	-141.7	303.5	299.5	10.2
1.0	15.0	0.0	0.0	0.0	-140.9	284.0	283.9	5.2
1.0	15.0	0.0	4.0	0.0	-146.9	305.3	303.7	9.0
1.0	15.0	2.0	3.0	0.0	-189.8	399.5	395.5	25.2
1.0	15.0	2.0	2.0	0.0	-159.3	338.5	334.5	10.7
1.0	15.0	0.0	2.0	0.0	-141.0	293.6	292.0	7.1
1.0	15.0	0.0	2.0	0.0	-121.5	254.5	252.9	3.6
1.0	15.0	0.0	0.0	0.0	-79.0	160.2	160.1	1.6
1.0	15.0	1.0	0.0	0.0	-83.1	177.7	176.2	2.8
1.0	15.0	0.0	2.0	0.0	-131.7	274.9	273.4	5.7
1.0	15.0	0.0	1.0	0.0	-124.0	259.6	258.1	4.2
1.0	15.0	0.0	0.0	0.0	-82.7	167.5	167.4	2.5
1.0	15.0	1.0	0.0	0.0	-96.9	205.3	203.7	1.6
1.0	15.0	0.0	3.0	0.0	-174.1	359.7	358.2	12.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-143.9	299.2	297.7	7.2
1.0	15.0	1.0	1.0	0.0	-121.9	255.4	253.9	4.1
1.0	15.0	2.0	0.0	0.0	-139.5	290.6	289.0	19.6
1.0	15.0	0.0	2.0	0.0	-186.1	383.7	382.2	16.6
1.0	15.0	0.0	2.0	0.0	-112.8	237.1	235.6	2.7
1.0	15.0	1.0	0.0	0.0	-139.2	290.0	288.5	5.0
1.0	15.0	2.0	0.0	0.0	-126.6	264.8	263.2	3.9
1.0	15.0	0.0	1.0	0.0	-151.3	304.7	304.6	7.3
1.0	15.0	0.0	0.0	0.0	-125.3	252.7	252.6	3.8
1.0	15.0	2.0	0.0	0.0	-160.9	333.4	331.8	8.4
1.0	15.0	2.0	0.0	0.0	-132.1	275.7	274.2	5.1
1.0	15.0	0.0	0.0	0.0	-162.3	326.7	326.7	8.6
1.0	23.0	0.0	15.0	0.0	-317.6	645.9	645.2	7.8
1.0	23.0	5.0	10.0	0.0	-280.6	578.9	577.1	7.1
1.0	23.0	5.0	0.0	0.0	-294.1	606.1	604.3	7.1
1.0	23.0	0.0	2.0	0.0	-337.0	676.1	676.0	12.3
1.0	15.0	0.0	3.0	0.0	-279.9	570.6	569.9	5.4
1.0	15.0	10.0	0.0	0.0	-427.7	873.2	871.4	28.0
1.0	15.0	12.0	0.0	0.0	-417.9	853.6	851.9	26.5
1.0	15.0	0.0	0.0	0.0	-322.1	646.3	646.2	9.2
0.9	15.0	0.0	5.0	0.0	-151.0	313.6	312.0	11.2
1.0	15.0	1.0	3.0	0.0	-159.3	338.7	334.7	16.2
0.6	15.0	2.0	1.0	0.0	-176.1	372.1	368.1	16.8
0.6	15.0	0.0	2.0	0.0	-165.7	343.0	341.5	16.5
0.6	15.0	0.0	8.0	0.0	-147.5	315.0	311.0	6.4
0.9	15.0	3.0	3.0	0.0	-196.3	412.6	408.6	37.0
1.0	15.0	4.0	2.0	0.0	-158.2	336.4	332.4	15.2
1.0	15.0	0.0	4.0	0.0	-160.8	333.2	331.7	12.0
1.0	15.0	2.0	2.0	0.0	-152.5	325.0	321.0	7.5
1.0	15.0	0.0	0.0	0.0	-145.0	292.2	292.1	6.6
1.0	15.0	2.0	3.0	0.0	-134.0	288.1	284.1	7.9
1.0	15.0	0.0	4.0	0.0	-169.6	350.8	349.2	14.7
0.8	15.0	0.0	4.0	0.0	-121.4	254.3	252.8	9.9
1.0	15.0	0.0	0.0	0.0	-80.9	163.9	163.8	2.0
0.9	15.0	4.0	0.0	0.0	-109.0	238.0	234.0	7.0
1.0	15.0	0.0	5.0	0.0	-163.5	338.5	336.9	25.4
1.0	15.0	0.0	1.0	0.0	-136.7	284.9	283.4	6.0
1.0	15.0	3.0	0.0	0.0	-129.5	279.0	275.0	10.0
1.0	15.0	3.0	0.0	0.0	-163.3	338.2	336.7	20.8
1.0	15.0	0.0	1.0	0.0	-162.6	336.8	335.2	9.2
1.0	15.0	0.0	4.0	0.0	-134.1	279.7	278.2	5.9
1.0	15.0	0.0	0.0	0.0	-97.5	197.0	196.9	2.1
1.0	15.0	3.0	0.0	0.0	-83.9	179.3	177.7	3.0
1.0	15.0	0.0	4.0	0.0	-177.2	365.9	364.4	15.3
1.0	15.0	1.0	2.0	0.0	-151.8	315.0	313.5	8.5
1.0	15.0	2.0	0.0	0.0	-127.0	274.0	270.0	4.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-162.9	337.4	335.9	14.1
1.0	15.0	1.0	2.0	0.0	-182.7	376.9	375.4	14.7
1.0	15.0	0.0	1.0	0.0	-115.7	242.9	241.4	2.8
1.0	15.0	0.0	0.0	0.0	-92.2	186.6	186.5	2.3
1.0	15.0	2.0	0.0	0.0	-92.1	195.7	194.2	7.3
1.0	15.0	0.0	1.0	0.0	-141.1	293.7	292.2	4.9
1.0	15.0	0.0	3.0	0.0	-150.8	313.1	311.5	8.2
1.0	15.0	3.0	2.0	0.0	-151.0	321.9	317.9	11.9
1.0	15.0	1.0	0.0	0.0	-149.3	318.5	314.5	13.6
1.0	15.0	1.0	1.0	0.0	-163.5	329.2	329.1	12.3
1.0	15.0	1.0	4.0	0.0	-161.7	335.0	333.4	18.0
1.0	15.0	5.0	2.0	0.0	-192.1	404.3	400.3	36.9
1.0	15.0	5.0	2.0	0.0	-174.2	368.4	364.4	26.0
1.0	15.0	0.0	2.0	0.0	-153.1	317.8	316.3	12.5
1.0	15.0	1.0	1.0	0.0	-147.3	306.2	304.7	9.9
1.0	15.0	0.0	0.0	0.0	-115.8	233.7	233.6	4.1
1.0	15.0	1.0	1.0	0.0	-131.3	274.2	272.6	7.4
1.0	15.0	0.0	2.0	0.0	-166.7	344.9	343.4	11.5
1.0	15.0	0.0	3.0	0.0	-134.8	281.1	279.6	4.5
1.0	15.0	0.0	0.0	0.0	-68.9	139.9	139.8	1.5
1.0	15.0	2.0	0.0	0.0	-88.1	187.6	186.1	3.0
1.0	15.0	2.0	2.0	0.0	-169.2	358.4	354.4	17.3
1.0	15.0	0.0	3.0	0.0	-158.3	328.1	326.6	9.8
1.0	15.0	0.0	0.0	0.0	-116.1	234.2	234.1	4.5
1.0	15.0	2.0	0.0	0.0	-134.4	280.3	278.8	10.3
1.0	15.0	0.0	3.0	0.0	-164.3	340.1	338.5	9.9
1.0	15.0	0.0	2.0	0.0	-139.7	299.4	295.4	6.3
1.0	15.0	1.0	0.0	0.0	-124.8	269.5	265.5	10.8
1.0	15.0	1.0	0.0	0.0	-126.9	273.9	269.9	14.6
1.0	15.0	0.0	2.0	0.0	-178.9	360.0	359.9	13.2
1.0	15.0	0.0	2.0	0.0	-113.8	239.1	237.5	2.9
0.6	15.0	1.0	0.0	0.0	-158.2	336.4	332.4	10.3
0.7	15.0	3.0	0.0	0.0	-127.6	275.2	271.2	5.4
1.0	15.0	0.0	3.0	0.0	-154.2	320.0	318.4	7.4
1.0	15.0	0.0	2.0	0.0	-132.5	276.5	274.9	5.8
1.0	15.0	2.0	1.0	0.0	-155.2	330.3	326.3	8.2
1.0	15.0	3.0	0.0	0.0	-128.2	267.9	266.4	5.0
1.0	15.0	0.0	2.0	0.0	-138.8	289.2	287.6	6.8
1.0	15.0	0.0	1.0	0.0	-147.2	296.5	296.4	10.8
0.8	15.0	1.0	1.0	0.0	-184.3	380.1	378.6	33.8
0.8	15.0	1.0	1.0	0.0	-141.9	295.4	293.9	13.1
0.5	15.0	0.0	1.0	0.0	-157.0	325.5	323.9	12.7
1.0	15.0	0.0	1.0	0.0	-133.5	278.6	277.1	4.8
1.0	15.0	0.0	1.0	0.0	-120.3	242.6	242.6	4.5
0.5	15.0	1.0	0.0	0.0	-119.8	251.1	249.5	14.2
1.0	15.0	0.0	1.0	0.0	-164.0	339.6	338.1	8.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-104.5	220.6	219.0	2.0
1.0	15.0	0.0	0.0	0.0	-62.1	126.3	126.2	0.9
1.0	15.0	1.0	0.0	0.0	-77.3	166.2	164.7	2.8
1.0	15.0	0.0	1.0	0.0	-134.6	280.7	279.1	4.9
1.0	15.0	0.0	1.0	0.0	-146.1	303.8	302.3	13.4
1.0	15.0	0.0	0.0	0.0	-82.9	167.9	167.8	3.4
0.9	15.0	1.0	0.0	0.0	-122.9	257.3	255.7	33.1
1.0	15.0	0.0	1.0	0.0	-175.7	362.9	361.3	15.9
1.0	15.0	0.0	1.0	0.0	-163.9	339.4	337.8	8.5
1.0	15.0	0.0	0.0	0.0	-63.5	129.2	129.1	1.0
1.0	15.0	1.0	0.0	0.0	-74.4	160.3	158.8	1.7
1.0	15.0	0.0	2.0	0.0	-158.6	328.9	327.3	12.6
1.0	15.0	0.0	2.0	0.0	-247.8	506.3	505.6	4.6
1.0	15.0	2.0	1.0	0.0	-304.5	626.9	625.1	8.7
1.0	15.0	3.0	0.0	0.0	-283.5	577.8	577.1	7.9
1.0	15.0	0.0	2.0	0.0	-319.1	648.9	648.2	9.6
1.0	15.0	0.0	1.0	0.0	-260.1	531.0	530.3	4.2
1.0	15.0	0.0	2.0	0.0	-221.9	454.6	453.9	2.9
0.9	15.0	1.0	0.0	0.0	-239.1	489.0	488.3	15.9
1.0	15.0	0.0	1.0	0.0	-326.0	662.7	662.0	10.6
1.0	15.0	0.0	1.0	0.0	-250.6	512.0	511.3	4.3
1.0	15.0	0.0	0.0	0.0	-139.9	281.9	281.8	1.2
1.0	15.0	1.0	0.0	0.0	-158.7	328.1	327.4	4.5
1.0	15.0	0.0	1.0	0.0	-260.0	530.8	530.0	5.8
1.0	15.0	0.0	1.0	0.0	-271.5	553.7	553.0	4.7
1.0	15.0	0.0	0.0	0.0	-151.6	305.2	305.2	7.9
1.0	15.0	1.0	0.0	0.0	-144.0	298.7	297.9	3.7
1.0	15.0	0.0	1.0	0.0	-290.5	591.8	591.1	6.2
1.0	15.0	0.0	1.0	0.0	-271.9	554.5	553.8	6.4
1.0	15.0	0.0	0.0	0.0	-247.5	497.0	497.0	4.4
1.0	15.0	1.0	0.0	0.0	-207.6	426.0	425.2	13.4
1.0	15.0	0.0	1.0	0.0	-349.6	709.9	709.2	10.9
1.0	15.0	0.0	3.0	0.0	-127.2	265.9	264.3	7.0
1.0	15.0	3.0	0.0	0.0	-147.5	306.5	305.0	8.0
1.0	15.0	3.0	0.0	0.0	-122.3	256.2	254.6	4.0
1.0	15.0	0.0	1.0	0.0	-144.8	291.7	291.6	11.6
1.0	15.0	0.0	2.0	0.0	-137.8	287.1	285.6	6.7
1.0	15.0	0.0	2.0	0.0	-195.4	402.4	400.8	36.8
1.0	15.0	1.0	0.0	0.0	-142.5	305.1	301.1	12.3
1.0	15.0	0.0	2.0	0.0	-150.1	311.8	310.3	8.0
1.0	15.0	0.0	1.0	0.0	-124.3	260.0	258.5	3.8
1.0	15.0	0.0	2.0	0.0	-107.1	225.7	224.2	2.4
0.9	15.0	1.0	0.0	0.0	-120.0	251.6	250.1	16.8
1.0	15.0	0.0	1.0	0.0	-150.5	312.6	311.1	7.6
1.0	15.0	0.0	2.0	0.0	-130.0	271.6	270.0	10.3
1.0	15.0	0.0	0.0	0.0	-71.6	145.3	145.2	1.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-102.4	216.4	214.9	21.3
0.9	15.0	0.0	2.0	0.0	-135.6	282.8	281.3	15.2
1.0	15.0	0.0	1.0	0.0	-136.3	284.1	282.5	5.3
1.0	15.0	0.0	0.0	0.0	-59.2	120.5	120.4	0.7
1.0	15.0	1.0	0.0	0.0	-68.2	148.0	146.4	1.1
1.0	15.0	0.0	3.0	0.0	-170.9	353.4	351.8	13.5
1.0	15.0	0.0	1.0	0.0	-124.7	261.0	259.4	4.5
1.0	15.0	0.0	0.0	0.0	-92.5	187.0	186.9	2.4
1.0	15.0	1.0	0.0	0.0	-101.5	214.6	213.0	3.4
1.0	15.0	0.0	1.0	0.0	-150.7	312.9	311.3	6.0
1.0	15.0	0.0	8.0	0.0	-120.7	261.4	257.4	5.5
1.0	15.0	8.0	0.0	0.0	-148.1	316.1	312.1	10.3
1.0	15.0	8.0	0.0	0.0	-151.4	322.8	318.8	10.4
1.0	15.0	0.0	7.0	0.0	-137.1	285.8	284.3	6.3
1.0	15.0	0.0	0.0	0.0	-158.8	319.6	319.5	9.2
0.6	15.0	1.0	0.0	0.0	-164.5	340.6	339.1	11.1
1.0	15.0	0.0	0.0	0.0	-102.3	206.6	206.5	2.7
1.0	15.0	0.0	0.0	0.0	-172.4	346.9	346.8	10.8
1.0	15.0	0.0	0.0	0.0	-272.7	547.4	547.3	4.7
0.5	15.0	7.0	0.0	0.0	-314.7	647.2	645.4	10.4
0.9	15.0	7.0	0.0	0.0	-302.1	615.0	614.2	9.7
1.0	15.0	0.0	7.0	0.0	-349.5	709.7	709.0	12.6
1.0	15.0	0.0	3.0	0.0	-136.0	283.5	281.9	4.9
1.0	15.0	4.0	0.0	0.0	-127.5	266.6	265.1	5.2
1.0	15.0	3.0	0.0	0.0	-112.0	235.5	233.9	2.9
1.0	15.0	0.0	4.0	0.0	-174.5	360.6	359.0	11.8
1.0	15.0	0.0	3.0	0.0	-123.7	259.0	257.4	3.7
1.0	15.0	2.0	0.0	0.0	-78.1	167.8	166.3	1.0
1.0	15.0	5.0	0.0	0.0	-83.9	179.4	177.9	1.9
1.0	15.0	0.0	3.0	0.0	-158.1	327.7	326.2	10.0
1.0	15.0	0.0	3.0	0.0	-147.6	306.8	305.2	5.9
0.7	15.0	6.0	0.0	0.0	-141.6	303.2	299.2	8.8
1.0	15.0	4.0	0.0	0.0	-145.5	310.9	306.9	9.9
1.0	15.0	0.0	7.0	0.0	-169.6	350.7	349.2	10.4
0.8	15.0	0.0	5.0	0.0	-128.1	267.7	266.2	4.4
1.0	15.0	4.0	0.0	0.0	-117.1	245.7	244.1	3.5
1.0	15.0	6.0	0.0	0.0	-122.8	257.2	255.7	4.6
1.0	15.0	0.0	7.0	0.0	-149.6	310.7	309.2	6.8
1.0	15.0	0.0	1.0	0.0	-117.8	247.2	245.7	4.8
1.0	15.0	0.0	2.0	0.0	-113.0	237.5	236.0	3.0
1.0	15.0	1.0	0.0	0.0	-123.5	258.5	256.9	8.1
1.0	15.0	0.0	2.0	0.0	-131.7	274.9	273.3	11.3
1.0	15.0	0.0	3.0	0.0	-139.4	290.4	288.8	9.8
1.0	15.0	2.0	2.0	0.0	-183.9	388.0	383.9	25.6
1.0	15.0	2.0	0.0	0.0	-137.3	294.8	290.7	14.5
1.0	15.0	0.0	2.0	0.0	-140.2	292.0	290.5	14.2



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-117.0	245.6	244.1	3.5
1.0	15.0	0.0	0.0	0.0	-78.4	158.9	158.9	1.9
1.0	15.0	1.0	0.0	0.0	-86.1	183.7	182.1	6.8
1.0	15.0	0.0	2.0	0.0	-144.2	299.9	298.4	6.2
1.0	15.0	0.0	1.0	0.0	-129.6	270.7	269.2	4.5
1.0	15.0	0.0	0.0	0.0	-94.9	191.9	191.8	2.9
1.0	15.0	1.0	0.0	0.0	-90.7	193.0	191.5	3.8
1.0	15.0	0.0	2.0	0.0	-169.3	350.1	348.6	12.6
1.0	15.0	0.0	1.0	0.0	-131.8	275.1	273.6	5.3
1.0	15.0	0.0	0.0	0.0	-66.6	135.3	135.2	2.0
0.8	15.0	1.0	0.0	0.0	-70.2	151.9	150.4	1.4
1.0	15.0	0.0	1.0	0.0	-158.2	327.9	326.4	8.2
1.0	15.0	0.0	2.0	0.0	-138.9	289.4	287.9	12.9
0.6	15.0	0.0	1.0	0.0	-113.8	239.2	237.6	4.5
1.0	15.0	2.0	0.0	0.0	-123.5	258.5	257.0	19.4
1.0	15.0	0.0	2.0	0.0	-168.4	348.3	346.7	17.2
1.0	15.0	0.0	0.0	0.0	-268.8	539.6	539.5	5.0
0.5	15.0	2.0	0.0	0.0	-330.4	678.5	676.7	12.5
1.0	15.0	2.0	0.0	0.0	-240.4	491.6	490.8	6.0
1.0	15.0	0.0	0.0	0.0	-296.6	595.3	595.3	7.5
1.0	15.0	0.0	0.0	0.0	-127.9	257.9	257.8	4.7
1.0	15.0	2.0	0.0	0.0	-134.6	280.6	279.1	4.3
1.0	15.0	2.0	0.0	0.0	-117.4	246.4	244.9	3.4
1.0	15.0	0.0	0.0	0.0	-156.0	314.2	314.1	7.5
1.0	15.0	0.0	0.0	0.0	-127.3	256.6	256.5	4.0
0.6	15.0	1.0	0.0	0.0	-178.2	368.0	366.5	16.5
0.8	15.0	1.0	0.0	0.0	-129.3	270.2	268.6	6.0
1.0	15.0	0.0	0.0	0.0	-160.8	323.7	323.6	7.5
1.0	15.0	0.0	0.0	0.0	-138.2	278.6	278.5	5.7
1.0	15.0	2.0	0.0	0.0	-174.5	360.5	359.0	13.4
1.0	15.0	2.0	0.0	0.0	-174.7	361.0	359.5	13.3
1.0	15.0	0.0	0.0	0.0	-147.3	296.7	296.6	6.3
0.9	15.0	0.0	6.0	0.0	-155.7	322.9	321.3	7.4
1.0	15.0	2.0	9.0	0.0	-129.5	279.0	275.0	4.8
1.0	15.0	4.0	0.0	0.0	-182.1	375.8	374.2	19.1
1.0	15.0	0.0	6.0	0.0	-165.4	342.3	340.7	15.7
1.0	15.0	0.0	7.0	0.0	-136.6	284.7	283.2	4.7
0.6	15.0	2.0	5.0	0.0	-226.3	472.7	468.7	61.4
1.0	15.0	7.0	0.0	0.0	-190.1	400.2	396.2	21.2
1.0	15.0	0.0	9.0	0.0	-158.4	328.3	326.8	8.6
1.0	15.0	5.0	2.0	0.0	-147.6	315.3	311.3	8.1
1.0	15.0	0.0	6.0	0.0	-135.0	281.5	279.9	8.8
1.0	15.0	1.0	6.0	0.0	-125.8	271.5	267.5	11.9
1.0	15.0	0.0	6.0	0.0	-168.6	348.8	347.2	10.4
1.0	15.0	0.0	6.0	0.0	-140.3	292.2	290.7	7.3
1.0	15.0	0.0	0.0	0.0	-81.6	165.4	165.3	2.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-141.6	294.6	293.1	11.3
1.0	15.0	1.0	6.0	0.0	-164.5	340.6	339.1	9.0
1.0	15.0	0.0	3.0	0.0	-144.4	300.3	298.8	9.2
0.9	15.0	9.0	0.0	0.0	-141.6	303.1	299.1	8.9
1.0	15.0	5.0	0.0	0.0	-180.8	373.2	371.6	16.7
1.0	15.0	0.0	6.0	0.0	-179.4	370.3	368.7	11.9
1.0	15.0	0.0	7.0	0.0	-161.2	334.0	332.5	8.7
1.0	15.0	0.0	0.0	0.0	-88.6	179.2	179.1	2.8
1.0	15.0	2.0	0.0	0.0	-106.0	223.5	222.0	5.0
1.0	15.0	0.0	6.0	0.0	-183.5	378.5	376.9	14.0
1.0	15.0	0.0	7.0	0.0	-130.2	272.0	270.5	4.3
0.9	15.0	0.0	5.0	0.0	-92.2	204.4	200.4	1.7
1.0	15.0	5.0	0.0	0.0	-163.0	337.6	336.1	41.3
1.0	15.0	0.0	7.0	0.0	-150.0	311.6	310.1	6.5
1.0	15.0	0.0	1.0	0.0	-119.8	251.2	249.7	4.2
1.0	15.0	1.0	0.0	0.0	-149.5	310.6	309.0	8.8
1.0	15.0	1.0	0.0	0.0	-112.9	237.2	235.7	3.4
1.0	15.0	0.0	0.0	0.0	-134.2	270.4	270.3	5.3
1.0	15.0	0.0	3.0	0.0	-122.4	256.4	254.8	4.1
0.8	15.0	3.0	0.0	0.0	-161.7	335.0	333.5	8.6
1.0	15.0	3.0	0.0	0.0	-154.0	319.6	318.0	7.0
1.0	15.0	0.0	0.0	0.0	-138.6	279.2	279.1	6.1
1.0	15.0	0.0	3.0	0.0	-115.9	243.3	241.8	3.1
0.8	15.0	3.0	0.0	0.0	-145.4	302.3	300.7	5.8
0.6	15.0	2.0	0.0	0.0	-134.4	288.8	284.8	5.8
1.0	15.0	0.0	0.0	0.0	-148.2	298.6	298.5	6.0
1.0	15.0	0.0	1.0	0.0	-129.7	271.0	269.5	4.0
1.0	15.0	0.0	0.0	0.0	-76.6	155.2	155.1	2.4
0.9	15.0	1.0	0.0	0.0	-102.2	215.9	214.4	2.6
1.0	15.0	0.0	1.0	0.0	-160.8	333.0	331.5	8.8
1.0	15.0	0.0	1.0	0.0	-110.5	232.4	230.9	2.8
1.0	15.0	0.0	0.0	0.0	-114.4	230.9	230.8	4.5
1.0	15.0	1.0	0.0	0.0	-85.1	181.7	180.1	4.2
1.0	15.0	0.0	1.0	0.0	-175.7	363.0	361.5	12.4
1.0	15.0	0.0	2.0	0.0	-125.6	262.7	261.1	4.6
1.0	15.0	0.0	2.0	0.0	-127.5	266.5	265.0	3.9
1.0	15.0	2.0	0.0	0.0	-133.3	278.1	276.6	4.9
1.0	15.0	0.0	2.0	0.0	-146.6	304.7	303.2	6.2
1.0	15.0	2.0	2.0	0.0	-149.3	318.6	314.6	8.0
1.0	15.0	0.0	5.0	0.0	-199.3	410.2	408.6	21.1
1.0	15.0	2.0	3.0	0.0	-173.9	367.7	363.7	11.9
1.0	15.0	0.0	2.0	0.0	-158.3	328.1	326.5	8.5
1.0	15.0	0.0	2.0	0.0	-112.2	235.9	234.3	5.0
1.0	15.0	0.0	0.0	0.0	-70.8	143.8	143.7	1.7
1.0	15.0	2.0	0.0	0.0	-78.3	168.1	166.5	2.5
1.0	15.0	0.0	2.0	0.0	-139.0	289.6	288.1	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-140.6	292.7	291.2	6.1
1.0	15.0	0.0	0.0	0.0	-94.0	190.1	190.0	3.3
1.0	15.0	1.0	0.0	0.0	-92.8	197.1	195.5	5.0
1.0	15.0	0.0	2.0	0.0	-154.4	320.3	318.7	8.0
1.0	15.0	0.0	3.0	0.0	-124.7	260.9	259.4	3.5
1.0	15.0	0.0	2.0	0.0	-109.8	231.1	229.5	2.5
1.0	15.0	1.0	0.0	0.0	-105.2	221.9	220.4	2.0
1.0	15.0	0.0	3.0	0.0	-161.5	334.6	333.1	8.1
1.0	15.0	0.0	1.0	0.0	-113.6	238.7	237.2	3.2
1.0	15.0	1.0	0.0	0.0	-145.9	303.3	301.7	6.2
1.0	15.0	1.0	0.0	0.0	-122.7	257.0	255.4	4.5
1.0	15.0	0.0	0.0	0.0	-147.6	297.2	297.1	6.1
1.0	15.0	0.0	0.0	0.0	-112.7	227.5	227.4	3.3
0.9	15.0	2.0	0.0	0.0	-138.2	288.0	286.5	7.0
1.0	15.0	0.0	0.0	0.0	-121.2	244.4	244.3	4.4
1.0	15.0	0.0	0.0	0.0	-151.1	304.3	304.2	6.9
1.0	15.0	0.0	0.0	0.0	-138.3	278.8	278.7	5.2
1.0	15.0	3.0	0.0	0.0	-118.7	248.9	247.4	5.2
1.0	15.0	3.0	0.0	0.0	-120.8	253.2	251.7	4.9
1.0	15.0	0.0	0.0	0.0	-166.7	335.6	335.5	10.1
1.0	15.0	0.0	4.0	0.0	-126.5	264.6	263.1	5.3
1.0	15.0	0.0	2.0	0.0	-114.2	239.9	238.4	2.8
1.0	15.0	2.0	0.0	0.0	-125.7	263.0	261.4	5.5
1.0	15.0	0.0	2.0	0.0	-132.2	276.0	274.5	4.7
1.0	15.0	0.0	2.0	0.0	-133.4	278.4	276.8	4.6
1.0	15.0	0.0	2.0	0.0	-114.8	241.1	239.6	3.0
1.0	15.0	2.0	0.0	0.0	-122.2	256.0	254.5	7.0
1.0	15.0	0.0	1.0	0.0	-162.2	335.9	334.4	8.5
1.0	15.0	0.0	2.0	0.0	-110.0	231.6	230.1	2.7
1.0	15.0	0.0	0.0	0.0	-94.4	191.0	190.9	5.2
1.0	15.0	2.0	0.0	0.0	-85.4	182.2	180.7	3.7
1.0	15.0	0.0	3.0	0.0	-141.5	294.5	293.0	11.2
1.0	15.0	0.0	2.0	0.0	-114.7	240.9	239.4	3.1
1.0	15.0	0.0	0.0	0.0	-104.1	210.3	210.2	3.8
1.0	15.0	2.0	0.0	0.0	-115.9	243.4	241.9	7.8
1.0	15.0	0.0	1.0	0.0	-166.3	344.2	342.7	10.2
1.0	15.0	0.0	4.0	0.0	-133.3	278.0	276.5	5.2
1.0	15.0	0.0	0.0	0.0	-76.1	154.2	154.1	1.9
1.0	15.0	2.0	0.0	0.0	-68.1	147.7	146.2	0.9
1.0	15.0	0.0	1.0	0.0	-172.0	355.6	354.0	16.7
1.0	15.0	0.0	2.0	0.0	-135.3	282.1	280.6	5.9
1.0	15.0	3.0	1.0	0.0	-121.8	263.5	259.5	13.1
1.0	15.0	4.0	0.0	0.0	-128.4	268.3	266.8	8.3
1.0	15.0	0.0	2.0	0.0	-159.5	330.6	329.0	8.7
1.0	15.0	0.0	3.0	0.0	-155.9	323.3	321.8	18.5
1.0	15.0	0.0	2.0	0.0	-165.3	342.2	340.6	12.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	2.0	0.0	0.0	-149.4	310.4	308.9	8.5
1.0	15.0	0.0	2.0	0.0	-166.4	344.4	342.8	16.4
1.0	15.0	0.0	2.0	0.0	-133.5	278.4	276.9	4.5
1.0	15.0	0.0	3.0	0.0	-115.3	242.2	240.6	3.0
1.0	15.0	1.0	0.0	0.0	-120.9	253.4	251.9	8.1
1.0	15.0	0.0	2.0	0.0	-184.3	380.2	378.6	16.6
1.0	15.0	0.0	3.0	0.0	-119.9	251.3	249.7	4.9
0.8	15.0	1.0	0.0	0.0	-91.4	202.8	198.8	4.3
1.0	15.0	3.0	0.0	0.0	-105.9	223.3	221.8	6.1
1.0	15.0	0.0	2.0	0.0	-149.5	310.5	309.0	11.6
1.0	15.0	0.0	3.0	0.0	-127.8	267.1	265.5	4.2
1.0	15.0	0.0	0.0	0.0	-98.7	199.5	199.4	2.5
1.0	15.0	3.0	0.0	0.0	-116.6	244.8	243.2	8.7
1.0	15.0	0.0	3.0	0.0	-162.3	336.2	334.6	9.4
1.0	15.0	0.0	3.0	0.0	-128.7	269.0	267.4	4.4
1.0	15.0	0.0	0.0	0.0	-79.3	160.6	160.5	1.7
1.0	15.0	2.0	0.0	0.0	-71.9	155.3	153.7	1.3
1.0	15.0	0.0	1.0	0.0	-146.4	304.4	302.9	8.0
1.0	15.0	0.0	3.0	0.0	-127.8	267.2	265.7	4.5
1.0	15.0	3.0	1.0	0.0	-118.5	257.0	253.0	3.3
1.0	15.0	4.0	0.0	0.0	-154.8	321.2	319.7	24.5
1.0	15.0	0.0	2.0	0.0	-153.6	318.7	317.1	7.7
1.0	15.0	0.0	2.0	0.0	-118.3	248.1	246.6	4.0
0.9	15.0	4.0	0.0	0.0	-165.9	343.3	341.8	9.8
1.0	15.0	3.0	0.0	0.0	-137.4	286.3	284.8	5.2
1.0	15.0	0.0	1.0	0.0	-158.9	319.9	319.8	9.8
1.0	15.0	0.0	2.0	0.0	-126.4	264.4	262.8	4.3
1.0	15.0	0.0	2.0	0.0	-113.5	238.6	237.0	4.4
1.0	15.0	2.0	0.0	0.0	-150.0	311.5	310.0	39.0
1.0	15.0	0.0	2.0	0.0	-143.6	298.8	297.2	6.1
1.0	15.0	0.0	3.0	0.0	-111.5	234.6	233.0	2.9
1.0	15.0	3.0	0.0	0.0	-163.9	339.3	337.7	10.7
1.0	15.0	3.0	0.0	0.0	-138.2	287.9	286.3	6.0
1.0	15.0	0.0	0.0	0.0	-141.6	285.3	285.2	6.2
1.0	15.0	0.0	0.0	0.0	-249.2	500.5	500.4	3.8
1.0	15.0	6.0	0.0	0.0	-260.6	532.0	531.3	5.2
1.0	15.0	6.0	0.0	0.0	-238.9	488.6	487.9	4.1
1.0	15.0	0.0	0.0	0.0	-286.5	575.0	575.0	5.6
1.0	15.0	0.0	1.0	0.0	-122.6	256.7	255.1	4.5
1.0	15.0	2.0	0.0	0.0	-154.7	320.9	319.3	7.8
1.0	15.0	2.0	0.0	0.0	-117.5	246.5	244.9	4.8
1.0	15.0	0.0	0.0	0.0	-137.3	276.8	276.7	6.1
1.0	15.0	0.0	2.0	0.0	-260.5	531.8	531.1	4.5
0.9	15.0	3.0	0.0	0.0	-323.9	665.6	663.8	10.4
0.8	15.0	3.0	0.0	0.0	-290.0	590.7	590.0	7.5
1.0	15.0	0.0	1.0	0.0	-320.6	643.3	643.2	9.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-124.6	260.7	259.1	4.1
1.0	15.0	1.0	1.0	0.0	-138.0	287.6	286.0	6.9
1.0	15.0	1.0	0.0	0.0	-127.8	267.1	265.6	5.6
1.0	15.0	0.0	1.0	0.0	-143.8	299.1	297.6	7.0
1.0	15.0	0.0	1.0	0.0	-116.8	245.1	243.6	3.1
1.0	15.0	2.0	1.0	0.0	-171.8	363.6	359.6	27.4
1.0	15.0	2.0	0.0	0.0	-139.4	298.8	294.8	13.3
1.0	15.0	0.0	1.0	0.0	-138.2	287.8	286.3	6.8
1.0	15.0	0.0	1.0	0.0	-125.2	262.0	260.4	3.6
1.0	15.0	0.0	0.0	0.0	-78.9	159.9	159.8	2.2
1.0	15.0	1.0	0.0	0.0	-78.6	168.7	167.2	2.4
1.0	15.0	0.0	3.0	0.0	-133.0	277.6	276.1	5.2
1.0	15.0	0.0	1.0	0.0	-112.8	237.1	235.5	2.7
1.0	15.0	0.0	0.0	0.0	-77.4	157.0	156.9	1.4
1.0	15.0	1.0	0.0	0.0	-90.2	191.9	190.3	8.9
1.0	15.0	0.0	2.0	0.0	-165.8	343.2	341.6	10.2
1.0	15.0	0.0	1.0	0.0	-121.8	255.1	253.6	3.3
1.0	15.0	0.0	0.0	0.0	-63.6	129.4	129.3	1.0
1.0	15.0	1.0	0.0	0.0	-67.3	146.2	144.6	1.0
1.0	15.0	0.0	1.0	0.0	-117.4	246.3	244.8	3.4
1.0	15.0	0.0	1.0	0.0	-114.3	240.1	238.5	3.0
1.0	15.0	0.0	0.0	0.0	-96.9	196.0	195.9	2.8
1.0	15.0	1.0	0.0	0.0	-101.3	214.1	212.6	19.6
1.0	15.0	0.0	2.0	0.0	-147.3	306.1	304.6	6.1
1.0	15.0	0.0	4.0	0.0	-124.8	261.1	259.6	4.1
1.0	15.0	5.0	0.0	0.0	-169.9	351.3	349.7	15.0
1.0	15.0	5.0	0.0	0.0	-149.5	310.6	309.1	7.8
1.0	15.0	0.0	0.0	0.0	-158.8	319.7	319.6	7.3
1.0	15.0	0.0	1.0	0.0	-122.9	257.3	255.7	3.4
1.0	15.0	2.0	0.0	0.0	-110.6	232.8	231.2	2.5
1.0	15.0	2.0	0.0	0.0	-112.7	237.0	235.4	3.8
1.0	15.0	0.0	1.0	0.0	-183.2	368.5	368.4	14.3
0.9	15.0	0.0	2.0	0.0	-153.3	318.1	316.5	8.1
1.0	15.0	7.0	0.0	0.0	-176.6	373.2	369.2	20.1
0.9	15.0	7.0	0.0	0.0	-169.0	358.0	354.0	18.8
1.0	15.0	0.0	1.0	0.0	-161.2	324.4	324.4	11.0
1.0	15.0	0.0	5.0	0.0	-114.1	239.8	238.2	2.8
1.0	15.0	2.0	0.0	0.0	-121.6	263.2	259.2	3.9
1.0	15.0	2.0	0.0	0.0	-108.9	237.8	233.8	3.0
1.0	15.0	0.0	1.0	0.0	-166.4	334.8	334.7	9.2
1.0	15.0	0.0	2.0	0.0	-122.0	255.5	254.0	4.0
1.0	15.0	1.0	0.0	0.0	-120.5	252.6	251.0	4.1
1.0	15.0	1.0	0.0	0.0	-114.4	240.3	238.7	3.0
1.0	15.0	0.0	0.0	0.0	-135.4	273.0	272.9	5.0
1.0	15.0	1.0	3.0	0.0	-121.3	262.8	258.7	6.4
1.0	15.0	5.0	1.0	0.0	-191.3	402.7	398.6	33.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	1.0	0.0	-169.7	359.5	355.4	24.8
1.0	15.0	2.0	0.0	0.0	-172.6	356.6	355.1	11.8
1.0	15.0	0.0	3.0	0.0	-118.1	256.3	252.3	3.5
0.8	15.0	1.0	0.0	0.0	-103.3	226.6	222.6	2.1
1.0	15.0	2.0	0.0	0.0	-106.3	232.5	228.5	2.3
1.0	15.0	1.0	4.0	0.0	-161.8	343.5	339.5	9.8
1.0	15.0	0.0	3.0	0.0	-110.0	231.5	230.0	3.4
1.0	15.0	0.0	0.0	0.0	-112.1	226.3	226.2	3.3
1.0	15.0	3.0	0.0	0.0	-109.6	230.8	229.3	3.7
1.0	15.0	0.0	3.0	0.0	-144.0	299.6	298.0	7.6
1.0	15.0	0.0	2.0	0.0	-119.4	250.2	248.7	3.4
0.9	15.0	2.0	0.0	0.0	-161.8	343.6	339.6	10.2
0.9	15.0	4.0	0.0	0.0	-143.6	298.7	297.1	6.0
1.0	15.0	0.0	0.0	0.0	-135.0	272.2	272.1	4.7
1.0	15.0	0.0	0.0	0.0	-317.8	637.6	637.5	8.7
1.0	15.0	4.0	0.0	0.0	-341.7	701.2	699.4	11.3
1.0	15.0	3.0	0.0	0.0	-305.9	629.6	627.8	10.5
1.0	15.0	0.0	0.0	0.0	-331.9	665.8	665.7	10.9
1.0	15.0	0.0	3.0	0.0	-143.8	299.1	297.5	8.3
1.0	15.0	1.0	2.0	0.0	-155.4	322.4	320.9	13.8
0.9	15.0	6.0	0.0	0.0	-157.5	335.0	331.0	12.5
1.0	15.0	0.0	3.0	0.0	-169.6	350.7	349.2	10.9
1.0	15.0	0.0	1.0	0.0	-145.6	302.7	301.2	5.9
1.0	15.0	1.0	1.0	0.0	-114.6	240.7	239.1	3.0
1.0	15.0	1.0	0.0	0.0	-112.4	236.4	234.8	2.8
1.0	15.0	0.0	2.0	0.0	-170.3	352.2	350.7	10.1
1.0	15.0	0.0	3.0	0.0	-129.1	269.8	268.3	8.1
1.0	15.0	0.0	0.0	0.0	-76.0	154.2	154.1	1.5
1.0	15.0	3.0	0.0	0.0	-106.5	224.6	223.0	7.5
1.0	15.0	0.0	2.0	0.0	-196.5	404.5	403.0	49.0
1.0	15.0	0.0	3.0	0.0	-128.8	269.2	267.6	4.8
1.0	15.0	3.0	1.0	0.0	-103.6	227.1	223.1	2.2
1.0	15.0	3.0	0.0	0.0	-129.1	269.7	268.2	8.4
1.0	15.0	0.0	3.0	0.0	-161.2	334.0	332.4	9.9
1.0	15.0	0.0	3.0	0.0	-141.1	293.7	292.2	7.5
1.0	15.0	0.0	0.0	0.0	-72.3	146.8	146.7	1.3
1.0	15.0	1.0	0.0	0.0	-77.5	166.4	164.9	1.8
1.0	15.0	0.0	2.0	0.0	-136.0	283.5	282.0	12.9
1.0	15.0	0.0	3.0	0.0	-125.5	262.5	260.9	4.7
1.0	15.0	0.0	1.0	0.0	-108.1	227.7	226.1	2.5
1.0	15.0	2.0	0.0	0.0	-129.6	270.7	269.2	15.4
1.0	15.0	0.0	3.0	0.0	-164.8	341.2	339.6	9.1
1.0	15.0	0.0	5.0	0.0	-125.2	261.9	260.4	3.8
1.0	15.0	3.0	3.0	0.0	-126.6	273.2	269.2	4.2
0.9	15.0	5.0	0.0	0.0	-147.2	314.4	310.4	7.2
0.7	15.0	0.0	4.0	0.0	-135.5	291.0	287.0	5.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-144.1	290.3	290.2	7.4
1.0	15.0	2.0	1.0	0.0	-176.8	373.7	369.7	25.4
1.0	15.0	2.0	1.0	0.0	-131.6	283.3	279.3	10.2
1.0	15.0	0.0	3.0	0.0	-161.6	334.7	333.2	17.0
1.0	15.0	0.0	2.0	0.0	-139.8	291.1	289.6	5.4
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.4	5.2
1.0	15.0	1.0	0.0	0.0	-130.2	272.0	270.5	6.4
1.0	15.0	0.0	3.0	0.0	-164.2	339.9	338.4	10.4
1.0	15.0	0.0	4.0	0.0	-115.8	243.1	241.6	3.5
1.0	15.0	0.0	0.0	0.0	-76.9	155.8	155.7	1.2
1.0	15.0	4.0	0.0	0.0	-95.4	202.4	200.9	5.1
1.0	15.0	0.0	4.0	0.0	-151.0	313.5	311.9	6.8
1.0	15.0	0.0	3.0	0.0	-154.9	321.4	319.8	12.3
0.9	15.0	4.0	0.0	0.0	-100.2	220.5	216.5	1.6
1.0	15.0	3.0	0.0	0.0	-126.0	263.5	262.0	9.7
1.0	15.0	0.0	3.0	0.0	-163.0	337.5	336.0	16.3
1.0	15.0	0.0	3.0	0.0	-136.1	283.8	282.3	5.0
1.0	15.0	0.0	0.0	0.0	-60.9	124.0	123.9	0.9
1.0	15.0	2.0	0.0	0.0	-73.0	157.5	155.9	1.3
1.0	15.0	0.0	3.0	0.0	-135.4	282.2	280.7	6.1
1.0	15.0	0.0	4.0	0.0	-129.8	271.1	269.6	6.2
1.0	15.0	1.0	2.0	0.0	-116.3	244.2	242.6	3.4
1.0	15.0	4.0	0.0	0.0	-129.1	269.8	268.2	6.9
1.0	15.0	0.0	4.0	0.0	-156.0	323.6	322.0	8.9
1.0	15.0	0.0	0.0	0.0	-123.0	248.0	247.9	3.5
1.0	15.0	1.0	0.0	0.0	-149.8	311.2	309.6	7.9
1.0	15.0	1.0	0.0	0.0	-138.9	289.3	287.8	7.8
1.0	15.0	0.0	0.0	0.0	-136.6	275.2	275.1	5.4
1.0	15.0	0.0	0.0	0.0	-141.0	284.1	284.0	6.4
0.7	15.0	5.0	0.0	0.0	-171.8	363.7	359.6	17.2
1.0	15.0	4.0	0.0	0.0	-128.0	276.1	272.0	5.0
1.0	15.0	0.0	0.0	0.0	-193.2	388.5	388.4	15.8
1.0	15.0	0.0	2.0	0.0	-111.7	235.0	233.5	2.7
1.0	15.0	3.0	0.0	0.0	-142.0	295.5	294.0	5.6
1.0	15.0	3.0	0.0	0.0	-136.6	284.8	283.3	5.5
1.0	15.0	0.0	0.0	0.0	-136.6	275.3	275.2	5.1
1.0	15.0	0.0	0.0	0.0	-149.1	300.2	300.1	5.8
1.0	15.0	1.0	0.0	0.0	-179.6	370.6	369.1	15.8
1.0	15.0	1.0	0.0	0.0	-175.3	352.6	352.5	13.5
1.0	15.0	0.0	0.0	0.0	-156.8	315.6	315.5	7.7
1.0	15.0	0.0	0.0	0.0	-126.2	254.4	254.3	4.4
1.0	15.0	3.0	0.0	0.0	-141.2	293.8	292.3	5.6
1.0	15.0	2.0	0.0	0.0	-118.4	248.3	246.7	3.6
1.0	15.0	0.0	0.0	0.0	-161.9	325.9	325.8	8.7
0.9	15.0	0.0	1.0	0.0	-124.9	261.3	259.8	6.0
0.5	15.0	2.0	0.0	0.0	-112.1	235.7	234.2	4.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-97.6	206.7	205.2	5.6
1.0	15.0	0.0	1.0	0.0	-183.4	368.9	368.8	15.0
1.0	15.0	0.0	0.0	0.0	-116.6	235.3	235.2	3.9
1.0	15.0	1.0	0.0	0.0	-120.2	252.0	250.4	3.7
1.0	15.0	1.0	0.0	0.0	-105.8	223.1	221.5	2.1
1.0	15.0	0.0	0.0	0.0	-146.4	294.9	294.8	6.3
1.0	15.0	0.0	2.0	0.0	-115.2	242.0	240.5	5.2
1.0	15.0	2.0	0.0	0.0	-136.4	292.7	288.7	7.8
0.7	15.0	1.0	0.0	0.0	-127.6	275.1	271.1	7.1
1.0	15.0	0.0	0.0	0.0	-162.7	327.5	327.4	9.1
1.0	15.0	0.0	3.0	0.0	-143.3	298.0	296.5	6.3
1.0	15.0	1.0	2.0	0.0	-144.7	309.4	305.4	8.1
1.0	15.0	3.0	0.0	0.0	-150.4	320.7	316.7	8.4
1.0	15.0	0.0	1.0	0.0	-139.6	290.7	289.2	6.8
1.0	15.0	0.0	4.0	0.0	-135.2	281.9	280.4	5.1
1.0	15.0	1.0	3.0	0.0	-193.5	398.5	397.0	23.7
1.0	15.0	2.0	2.0	0.0	-167.9	355.9	351.9	13.5
1.0	15.0	0.0	3.0	0.0	-167.0	345.5	343.9	10.0
1.0	15.0	0.0	1.0	0.0	-121.4	254.3	252.7	3.6
0.9	15.0	3.0	0.0	0.0	-114.2	240.0	238.4	3.3
1.0	15.0	2.0	0.0	0.0	-118.6	248.8	247.3	4.3
1.0	15.0	0.0	5.0	0.0	-189.0	389.5	388.0	15.3
1.0	15.0	0.0	3.0	0.0	-119.5	250.6	249.0	3.6
0.7	15.0	2.0	0.0	0.0	-77.7	175.3	171.3	0.9
0.8	15.0	3.0	0.0	0.0	-98.5	208.6	207.0	6.1
1.0	15.0	0.0	4.0	0.0	-140.2	292.0	290.4	6.9
1.0	15.0	0.0	3.0	0.0	-130.1	271.7	270.1	6.0
1.0	15.0	4.0	0.0	0.0	-113.0	237.6	236.1	4.2
1.0	15.0	4.0	0.0	0.0	-109.2	229.9	228.3	3.9
1.0	15.0	0.0	2.0	0.0	-183.1	368.3	368.2	15.2
1.0	15.0	0.0	2.0	0.0	-127.1	265.7	264.2	4.5
1.0	15.0	0.0	0.0	0.0	-99.9	201.8	201.7	4.6
1.0	15.0	1.0	0.0	0.0	-77.7	166.9	165.3	2.0
1.0	15.0	0.0	0.0	0.0	-184.4	370.8	370.7	16.2
1.0	15.0	0.0	2.0	0.0	-112.8	237.1	235.5	2.9
1.0	15.0	2.0	0.0	0.0	-105.6	231.2	227.2	2.2
0.6	15.0	3.0	0.0	0.0	-97.5	215.0	211.0	1.2
1.0	15.0	0.0	3.0	0.0	-154.8	321.2	319.7	8.1
1.0	15.0	0.0	3.0	0.0	-135.3	282.2	280.6	5.6
1.0	15.0	2.0	2.0	0.0	-144.5	309.1	305.1	19.5
1.0	15.0	2.0	0.0	0.0	-142.4	304.9	300.9	11.3
1.0	15.0	0.0	1.0	0.0	-151.3	314.2	312.6	8.0
1.0	15.0	0.0	4.0	0.0	-127.2	274.4	270.4	10.0
1.0	15.0	2.0	4.0	0.0	-172.7	365.4	361.4	22.7
1.0	15.0	3.0	1.0	0.0	-150.4	320.8	316.8	8.4
1.0	15.0	0.0	1.0	0.0	-168.0	338.0	338.0	16.6



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-130.1	271.8	270.3	4.7
1.0	15.0	3.0	0.0	0.0	-126.5	264.6	263.1	4.9
1.0	15.0	2.0	0.0	0.0	-126.2	264.0	262.5	5.3
1.0	15.0	0.0	2.0	0.0	-169.3	350.2	348.6	10.8
1.0	15.0	0.0	3.0	0.0	-119.1	249.7	248.1	4.3
0.7	15.0	3.0	0.0	0.0	-81.2	182.4	178.4	1.2
1.0	15.0	3.0	0.0	0.0	-93.6	198.8	197.3	5.1
1.0	15.0	0.0	3.0	0.0	-153.6	318.7	317.2	8.0
1.0	15.0	0.0	2.0	0.0	-143.2	297.9	296.4	8.8
1.0	15.0	3.0	0.0	0.0	-109.5	230.6	229.0	5.5
1.0	15.0	3.0	0.0	0.0	-117.0	245.5	244.0	11.3
1.0	15.0	0.0	1.0	0.0	-167.3	346.1	344.6	14.0
1.0	15.0	0.0	3.0	0.0	-135.9	283.4	281.8	4.6
0.5	15.0	2.0	0.0	0.0	-74.8	169.5	165.5	0.6
1.0	15.0	3.0	0.0	0.0	-67.4	146.4	144.9	0.9
1.0	15.0	0.0	1.0	0.0	-162.8	327.6	327.6	12.3
1.0	15.0	0.0	3.0	0.0	-124.0	259.5	258.0	3.8
1.0	15.0	2.0	0.0	0.0	-114.2	248.3	244.3	13.7
1.0	15.0	4.0	0.0	0.0	-132.4	276.3	274.7	10.3
1.0	15.0	0.0	3.0	0.0	-148.7	308.9	307.3	6.5
1.0	15.0	0.0	1.0	0.0	-112.6	236.8	235.2	3.2
1.0	15.0	5.0	0.0	0.0	-157.9	327.3	325.8	9.9
1.0	15.0	3.0	0.0	0.0	-138.6	288.7	287.2	5.2
1.0	15.0	0.0	0.0	0.0	-141.9	285.8	285.7	6.5
1.0	15.0	0.0	1.0	0.0	-127.6	266.8	265.2	4.6
1.0	15.0	3.0	0.0	0.0	-115.9	243.3	241.7	5.7
1.0	15.0	2.0	0.0	0.0	-109.2	229.9	228.4	3.8
1.0	15.0	0.0	0.0	0.0	-166.0	334.0	333.9	9.4
1.0	15.0	0.0	1.0	0.0	-119.5	250.6	249.1	4.2
1.0	15.0	1.0	1.0	0.0	-127.2	274.5	270.5	4.9
0.6	15.0	3.0	0.0	0.0	-125.4	270.9	266.9	4.7
1.0	15.0	0.0	1.0	0.0	-129.3	270.0	268.5	4.9
1.0	15.0	0.0	1.0	0.0	-116.6	244.7	243.1	3.1
1.0	15.0	0.0	1.0	0.0	-148.5	308.6	307.1	16.5
1.0	15.0	1.0	0.0	0.0	-117.0	245.6	244.1	7.9
1.0	15.0	0.0	1.0	0.0	-131.3	274.2	272.7	5.7
1.0	15.0	0.0	2.0	0.0	-129.9	271.3	269.7	4.3
0.7	15.0	2.0	1.0	0.0	-117.4	254.8	250.8	4.0
0.9	15.0	1.0	0.0	0.0	-119.2	258.4	254.4	6.7
1.0	15.0	0.0	2.0	0.0	-166.9	345.3	343.8	10.7
1.0	15.0	0.0	2.0	0.0	-114.5	240.4	238.9	5.8
1.0	15.0	0.0	1.0	0.0	-132.0	275.6	274.1	5.2
1.0	15.0	2.0	0.0	0.0	-122.8	257.1	255.6	4.4
1.0	15.0	0.0	1.0	0.0	-148.8	309.2	307.7	7.5
0.6	15.0	1.0	5.0	0.0	-147.3	314.5	310.5	9.2
1.0	15.0	8.0	2.0	0.0	-210.4	440.8	436.8	25.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	8.0	2.0	0.0	-179.5	378.9	374.9	14.5
1.0	15.0	0.0	4.0	0.0	-155.7	323.0	321.4	7.2
1.0	15.0	0.0	1.0	0.0	-121.7	254.9	253.4	4.4
1.0	15.0	0.0	0.0	0.0	-63.2	128.5	128.4	2.3
0.7	15.0	1.0	0.0	0.0	-89.3	190.1	188.6	10.0
1.0	15.0	1.0	1.0	0.0	-155.5	322.6	321.0	6.7
1.0	15.0	0.0	1.0	0.0	-128.0	267.5	265.9	5.0
1.0	15.0	0.0	0.0	0.0	-75.7	153.6	153.5	2.0
1.0	15.0	1.0	0.0	0.0	-87.3	186.2	184.7	2.0
1.0	15.0	0.0	1.0	0.0	-165.8	343.2	341.7	10.5
1.0	15.0	0.0	2.0	0.0	-141.2	293.9	292.4	6.9
0.6	15.0	1.0	2.0	0.0	-167.7	355.5	351.5	14.0
0.9	15.0	2.0	0.0	0.0	-149.4	301.0	300.9	14.9
1.0	15.0	0.0	1.0	0.0	-154.1	319.7	318.2	10.1
1.0	15.0	0.0	2.0	0.0	-136.9	285.4	283.9	5.1
1.0	15.0	3.0	2.0	0.0	-183.3	386.5	382.5	27.7
1.0	15.0	2.0	0.0	0.0	-147.8	315.6	311.6	13.0
1.0	15.0	0.0	2.0	0.0	-157.1	325.6	324.1	9.1
1.0	15.0	0.0	1.0	0.0	-140.8	293.2	291.6	5.6
1.0	15.0	0.0	0.0	0.0	-118.4	238.8	238.8	4.6
0.6	15.0	1.0	0.0	0.0	-122.8	257.1	255.6	8.0
1.0	15.0	0.0	1.0	0.0	-172.7	356.8	355.3	10.9
1.0	15.0	0.0	3.0	0.0	-122.9	257.4	255.9	12.0
1.0	15.0	0.0	0.0	0.0	-78.5	159.2	159.1	1.4
1.0	15.0	2.0	0.0	0.0	-104.9	221.4	219.8	13.9
1.0	15.0	0.0	3.0	0.0	-159.5	330.5	329.0	18.5
1.0	15.0	0.0	2.0	0.0	-131.7	274.9	273.4	4.1
0.9	15.0	3.0	0.0	0.0	-102.6	225.2	221.2	2.0
1.0	15.0	2.0	0.0	0.0	-105.8	223.2	221.7	3.0
1.0	15.0	0.0	1.0	0.0	-167.6	346.8	345.2	10.8
1.0	15.0	0.0	2.0	0.0	-134.1	279.8	278.3	5.7
1.0	15.0	0.0	0.0	0.0	-83.8	169.7	169.6	1.8
1.0	15.0	1.0	0.0	0.0	-71.0	153.5	152.0	1.0
1.0	15.0	0.0	2.0	0.0	-160.9	333.3	331.8	10.2
1.0	15.0	0.0	1.0	0.0	-109.2	229.8	228.3	2.8
1.0	15.0	1.0	1.0	0.0	-115.6	242.7	241.2	3.2
1.0	15.0	1.0	0.0	0.0	-107.4	226.2	224.7	3.1
1.0	15.0	0.0	1.0	0.0	-163.1	337.8	336.2	8.9
0.9	15.0	0.0	2.0	0.0	-134.3	280.1	278.5	7.8
1.0	15.0	3.0	0.0	0.0	-155.0	330.2	326.0	12.1
1.0	15.0	2.0	0.0	0.0	-136.0	292.1	288.0	9.3
1.0	15.0	0.0	0.0	0.0	-147.0	296.2	296.1	8.6
0.9	15.0	0.0	2.0	0.0	-738.1	1486.5	1486.3	4.1
1.0	15.0	3.0	0.0	0.0	-1067.7	2145.6	2145.3	15.6
1.0	15.0	3.0	0.0	0.0	-829.2	1668.7	1668.5	8.8
1.0	15.0	0.0	0.0	0.0	-989.5	1981.0	1981.0	10.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-479.9	970.1	969.8	3.5
0.9	15.0	3.0	0.0	0.0	-639.1	1288.6	1288.2	9.4
1.0	15.0	3.0	0.0	0.0	-514.1	1038.5	1038.1	5.4
1.0	15.0	0.0	0.0	0.0	-685.2	1372.5	1372.5	11.0
1.0	15.0	0.0	2.0	0.0	-827.3	1664.9	1664.7	6.4
0.9	15.0	4.0	0.0	0.0	-1041.1	2092.5	2092.3	13.0
1.0	15.0	3.0	0.0	0.0	-936.2	1882.6	1882.3	14.1
1.0	15.0	0.0	0.0	0.0	-906.8	1815.6	1815.6	7.4
1.0	15.0	0.0	1.0	0.0	-111.2	233.8	232.3	3.4
1.0	15.0	2.0	0.0	0.0	-135.1	281.7	280.2	5.4
1.0	15.0	2.0	0.0	0.0	-124.0	259.6	258.0	4.7
1.0	15.0	0.0	1.0	0.0	-140.0	282.2	282.1	6.8
1.0	15.0	4.0	0.0	0.0	-153.5	318.6	317.1	9.8
1.0	15.0	2.0	0.0	0.0	-124.0	259.5	258.0	3.8
1.0	15.0	0.0	3.0	0.0	-110.5	232.5	231.0	2.5
1.0	15.0	0.0	3.0	0.0	-157.1	325.7	324.2	7.6
1.0	15.0	1.0	1.0	0.0	-157.0	325.6	324.0	9.0
1.0	15.0	8.0	0.0	0.0	-161.3	342.7	338.7	12.3
1.0	15.0	7.0	0.0	0.0	-164.4	348.9	344.9	11.5
1.0	15.0	0.0	4.0	0.0	-161.5	334.6	333.0	10.4
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.7	3.6
1.0	15.0	2.0	0.0	0.0	-147.9	307.3	305.8	7.7
1.0	15.0	3.0	0.0	0.0	-131.9	275.3	273.8	6.6
1.0	15.0	0.0	0.0	0.0	-138.6	279.3	279.2	6.0
1.0	15.0	0.0	1.0	0.0	-162.1	326.3	326.3	12.4
1.0	15.0	3.0	2.0	0.0	-187.3	394.7	390.7	28.2
1.0	15.0	3.0	2.0	0.0	-155.6	331.1	327.1	12.3
1.0	15.0	0.0	2.0	0.0	-144.0	299.6	298.0	7.1
1.0	15.0	0.0	3.0	0.0	-142.3	296.1	294.6	6.1
1.0	15.0	1.0	3.0	0.0	-136.0	283.5	282.0	5.7
1.0	15.0	3.0	0.0	0.0	-159.0	329.5	328.0	13.0
1.0	15.0	0.0	4.0	0.0	-142.9	297.3	295.8	7.1
1.0	15.0	0.0	1.0	0.0	-129.0	269.6	268.1	5.5
0.7	15.0	1.0	2.0	0.0	-163.9	347.8	343.8	18.3
1.0	15.0	0.0	0.0	0.0	-150.7	303.4	303.3	9.9
1.0	15.0	0.0	3.0	0.0	-153.3	318.1	316.5	8.4
1.0	15.0	0.0	3.0	0.0	-134.4	280.3	278.7	4.8
0.9	15.0	0.0	2.0	0.0	-117.6	246.8	245.2	4.3
1.0	15.0	2.0	0.0	0.0	-124.9	261.4	259.9	8.5
1.0	15.0	0.0	4.0	0.0	-186.3	384.2	382.7	14.8
1.0	15.0	0.0	3.0	0.0	-110.0	231.5	230.0	7.0
1.0	15.0	0.0	0.0	0.0	-87.3	176.7	176.6	1.9
1.0	15.0	3.0	0.0	0.0	-125.8	263.2	261.7	19.7
1.0	15.0	0.0	4.0	0.0	-120.5	252.5	250.9	6.6
1.0	15.0	0.0	2.0	0.0	-122.3	256.1	254.6	3.9
1.0	15.0	0.0	0.0	0.0	-101.8	205.8	205.7	6.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-131.7	275.0	273.5	21.0
1.0	15.0	0.0	3.0	0.0	-146.8	305.1	303.6	6.5
1.0	15.0	0.0	3.0	0.0	-116.2	244.0	242.4	3.8
1.0	15.0	0.0	0.0	0.0	-84.2	170.5	170.4	2.3
1.0	15.0	2.0	0.0	0.0	-69.2	149.9	148.4	1.0
1.0	15.0	0.0	2.0	0.0	-152.4	316.3	314.8	9.7
1.0	15.0	0.0	3.0	0.0	-110.0	231.5	229.9	2.3
1.0	15.0	2.0	1.0	0.0	-109.0	238.1	234.1	3.4
1.0	15.0	3.0	0.0	0.0	-144.7	301.0	299.4	15.5
1.0	15.0	0.0	3.0	0.0	-161.8	335.1	333.5	9.2
1.0	15.0	0.0	3.0	0.0	-138.8	289.1	287.6	6.0
0.9	15.0	2.0	3.0	0.0	-151.2	313.8	312.3	6.4
0.9	15.0	3.0	0.0	0.0	-164.4	340.4	338.8	14.4
1.0	15.0	0.0	3.0	0.0	-149.6	310.8	309.3	8.6
1.0	15.0	0.0	1.0	0.0	-152.6	316.7	315.2	11.7
1.0	15.0	2.0	1.0	0.0	-174.1	368.2	364.2	21.1
1.0	15.0	2.0	0.0	0.0	-128.3	276.6	272.6	7.2
1.0	15.0	0.0	3.0	0.0	-176.5	364.6	363.0	16.5
1.0	15.0	0.0	2.0	0.0	-149.9	311.3	309.8	7.8
1.0	15.0	0.0	2.0	0.0	-119.0	249.6	248.0	4.6
1.0	15.0	2.0	0.0	0.0	-141.4	294.3	292.8	19.4
1.0	15.0	0.0	4.0	0.0	-195.2	402.0	400.5	18.8
1.0	15.0	0.0	3.0	0.0	-107.8	227.2	225.6	6.9
1.0	15.0	0.0	0.0	0.0	-87.5	177.1	177.0	2.3
1.0	15.0	3.0	0.0	0.0	-140.6	292.8	291.2	30.4
1.0	15.0	0.0	4.0	0.0	-127.7	267.0	265.5	8.1
1.0	15.0	0.0	3.0	0.0	-123.6	258.7	257.1	4.9
1.0	15.0	0.0	0.0	0.0	-105.4	212.8	212.7	2.9
1.0	15.0	2.0	0.0	0.0	-122.3	256.1	254.5	15.4
1.0	15.0	0.0	4.0	0.0	-177.4	366.4	364.8	11.1
1.0	15.0	0.0	3.0	0.0	-126.6	264.7	263.2	8.3
1.0	15.0	0.0	0.0	0.0	-94.0	190.1	190.0	2.7
1.0	15.0	2.0	0.0	0.0	-87.2	186.0	184.4	3.4
1.0	15.0	0.0	3.0	0.0	-134.1	279.7	278.1	12.2
1.0	15.0	0.0	3.0	0.0	-139.7	290.9	289.4	6.5
1.0	15.0	0.0	2.0	0.0	-131.2	274.0	272.5	4.9
1.0	15.0	3.0	0.0	0.0	-128.4	268.4	266.9	9.7
1.0	15.0	1.0	3.0	0.0	-165.3	342.2	340.7	10.6
1.0	15.0	0.0	5.0	0.0	-124.1	259.7	258.1	3.6
0.8	15.0	6.0	0.0	0.0	-175.0	370.1	366.1	11.6
1.0	15.0	5.0	0.0	0.0	-132.6	276.8	275.3	5.0
1.0	15.0	0.0	0.0	0.0	-145.2	292.5	292.4	6.0
1.0	15.0	0.0	6.0	0.0	-121.0	253.4	251.9	3.6
1.0	15.0	5.0	0.0	0.0	-180.4	372.3	370.8	15.3
0.8	15.0	4.0	0.0	0.0	-145.9	303.4	301.9	9.2
1.0	15.0	0.0	0.0	0.0	-155.1	312.2	312.1	7.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-126.5	255.1	255.0	4.1
0.7	15.0	3.0	0.0	0.0	-168.0	356.0	352.0	10.8
0.9	15.0	5.0	0.0	0.0	-135.0	281.5	280.0	5.9
1.0	15.0	0.0	0.0	0.0	-146.7	295.4	295.3	6.3
1.0	15.0	0.0	0.0	0.0	-131.7	265.6	265.5	4.5
0.6	15.0	8.0	0.0	0.0	-153.9	327.9	323.9	7.6
1.0	15.0	2.0	0.0	0.0	-135.8	283.1	281.5	4.9
1.0	15.0	0.0	0.0	0.0	-151.0	304.0	303.9	7.9
1.0	15.0	0.0	0.0	0.0	-138.4	278.9	278.8	5.2
1.0	15.0	3.0	1.0	0.0	-176.8	373.7	369.7	18.3
1.0	15.0	3.0	1.0	0.0	-154.2	328.3	324.3	9.4
1.0	15.0	0.0	2.0	0.0	-146.9	305.4	303.9	6.7
1.0	15.0	0.0	0.0	0.0	-114.6	231.4	231.3	3.2
1.0	15.0	2.0	1.0	0.0	-172.5	364.9	360.9	13.1
1.0	15.0	2.0	0.0	0.0	-133.4	286.8	282.8	7.0
1.0	15.0	0.0	1.0	0.0	-160.6	323.4	323.3	13.9
1.0	15.0	0.0	2.0	0.0	-104.7	220.9	219.3	2.2
1.0	15.0	1.0	0.0	0.0	-136.7	285.0	283.4	5.4
1.0	15.0	1.0	0.0	0.0	-121.9	255.4	253.8	4.5
1.0	15.0	0.0	0.0	0.0	-158.4	319.0	318.9	7.9
1.0	15.0	0.0	0.0	0.0	-140.1	282.3	282.2	6.4
1.0	15.0	2.0	1.0	0.0	-170.6	361.2	357.2	20.6
1.0	15.0	2.0	1.0	0.0	-148.1	316.2	312.2	12.4
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.2	9.5
1.0	15.0	0.0	2.0	0.0	-126.7	265.0	263.4	4.1
1.0	15.0	4.0	0.0	0.0	-123.1	257.8	256.2	6.6
0.6	15.0	3.0	0.0	0.0	-112.2	244.5	240.5	4.0
1.0	15.0	0.0	0.0	0.0	-160.9	323.8	323.7	10.5
1.0	15.0	0.0	1.0	0.0	-122.2	255.9	254.4	3.3
0.9	15.0	2.0	0.0	0.0	-106.3	232.6	228.6	2.3
1.0	15.0	3.0	0.0	0.0	-99.6	210.7	209.2	1.7
1.0	15.0	0.0	1.0	0.0	-163.2	328.5	328.4	10.8
1.0	15.0	0.0	0.0	0.0	-126.6	255.4	255.3	4.1
1.0	15.0	1.0	0.0	0.0	-98.6	208.8	207.3	5.3
0.6	15.0	1.0	0.0	0.0	-113.6	238.7	237.2	5.9
1.0	15.0	0.0	0.0	0.0	-156.3	314.6	314.5	8.4
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	4.8
1.0	15.0	2.0	0.0	0.0	-128.1	267.7	266.2	15.5
1.0	15.0	1.0	0.0	0.0	-115.9	243.4	241.8	7.8
1.0	15.0	0.0	0.0	0.0	-159.8	321.7	321.6	8.2
1.0	15.0	0.0	0.0	0.0	-134.9	271.8	271.7	4.8
1.0	15.0	3.0	0.0	0.0	-117.8	247.1	245.6	5.6
1.0	15.0	2.0	0.0	0.0	-118.3	248.2	246.7	5.9
1.0	15.0	0.0	1.0	0.0	-168.9	339.8	339.7	11.3
1.0	15.0	0.0	2.0	0.0	-824.8	1659.9	1659.6	6.1
1.0	15.0	0.0	1.0	0.0	-791.1	1592.5	1592.3	5.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-820.7	1651.6	1651.4	7.9
1.0	15.0	0.0	1.0	0.0	-857.8	1725.8	1725.6	7.4
1.0	15.0	0.0	1.0	0.0	-861.1	1732.5	1732.3	7.7
1.0	15.0	2.0	1.0	0.0	-1127.9	2272.3	2271.7	30.8
1.0	15.0	2.0	0.0	0.0	-884.5	1785.5	1784.9	13.2
1.0	15.0	0.0	1.0	0.0	-961.1	1932.4	1932.2	13.1
1.0	15.0	0.0	1.0	0.0	-839.4	1689.0	1688.8	6.0
1.0	15.0	0.0	1.0	0.0	-729.1	1460.3	1460.3	5.1
1.0	15.0	1.0	0.0	0.0	-707.8	1425.8	1425.6	5.1
1.0	15.0	0.0	1.0	0.0	-1029.7	2069.6	2069.4	10.9
1.0	15.0	0.0	1.0	0.0	-682.7	1375.7	1375.4	5.6
1.0	15.0	0.0	0.0	0.0	-358.5	718.9	718.9	5.6
1.0	15.0	1.0	0.0	0.0	-495.3	1000.7	1000.5	8.9
1.0	15.0	0.0	2.0	0.0	-829.3	1668.8	1668.5	8.9
1.0	15.0	0.0	1.0	0.0	-816.4	1643.1	1642.9	9.4
1.0	15.0	0.0	0.0	0.0	-480.6	963.3	963.3	1.9
1.0	15.0	1.0	0.0	0.0	-647.3	1304.8	1304.5	18.6
1.0	15.0	0.0	1.0	0.0	-1086.3	2182.8	2182.6	14.7
1.0	15.0	0.0	1.0	0.0	-835.6	1681.4	1681.1	6.2
1.0	15.0	0.0	0.0	0.0	-390.1	782.2	782.2	1.1
1.0	15.0	1.0	0.0	0.0	-420.1	850.4	850.2	2.2
1.0	15.0	0.0	1.0	0.0	-1005.3	2020.7	2020.5	13.6
1.0	15.0	0.0	1.0	0.0	-804.7	1619.7	1619.5	7.6
1.0	15.0	0.0	0.0	0.0	-606.4	1214.8	1214.8	2.9
1.0	15.0	1.0	0.0	0.0	-607.4	1225.0	1224.8	15.2
1.0	15.0	0.0	1.0	0.0	-995.4	2000.9	2000.7	11.4
1.0	23.0	0.0	3.0	0.0	-676.1	1362.5	1362.2	5.7
1.0	23.0	0.0	1.0	0.0	-724.1	1450.3	1450.3	8.6
1.0	23.0	3.0	0.0	0.0	-675.9	1362.0	1361.7	5.6
1.0	23.0	0.0	2.0	0.0	-727.1	1464.5	1464.2	6.5
1.0	23.0	0.0	3.0	0.0	-651.8	1313.9	1313.6	6.3
1.0	23.0	3.0	1.0	0.0	-856.3	1729.3	1728.6	15.7
1.0	23.0	3.0	0.0	0.0	-705.0	1426.7	1426.0	9.2
1.0	23.0	0.0	1.0	0.0	-799.8	1609.8	1609.5	8.9
1.0	23.0	0.0	1.0	0.0	-681.6	1373.4	1373.2	5.0
1.0	23.0	0.0	1.0	0.0	-598.9	1199.9	1199.9	5.1
1.0	23.0	1.0	0.0	0.0	-541.9	1094.1	1093.9	2.8
1.0	23.0	0.0	1.0	0.0	-786.6	1583.4	1583.2	8.7
1.0	23.0	0.0	2.0	0.0	-601.3	1212.8	1212.5	4.1
1.0	23.0	0.0	0.0	0.0	-302.6	607.2	607.2	0.8
1.0	23.0	1.0	0.0	0.0	-400.3	810.9	810.7	6.0
1.0	23.0	0.0	1.0	0.0	-689.5	1389.2	1388.9	6.2
1.0	23.0	0.0	2.0	0.0	-740.6	1491.4	1491.2	6.6
1.0	23.0	0.0	0.0	0.0	-370.2	742.5	742.4	1.3
1.0	23.0	1.0	0.0	0.0	-480.0	970.2	970.0	7.0
1.0	23.0	0.0	2.0	0.0	-934.4	1879.1	1878.8	14.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	23.0	0.0	2.0	0.0	-632.7	1275.7	1275.4	5.4
1.0	23.0	0.0	0.0	0.0	-319.3	640.7	640.6	1.4
1.0	23.0	2.0	0.0	0.0	-344.5	699.4	699.1	1.5
1.0	23.0	0.0	2.0	0.0	-722.6	1455.6	1455.3	8.7
1.0	23.0	0.0	1.0	0.0	-396.0	802.4	801.9	5.8
1.0	23.0	0.0	0.0	0.0	-301.5	605.0	604.9	2.3
0.9	23.0	1.0	0.0	0.0	-301.2	612.8	612.3	4.6
1.0	23.0	0.0	1.0	0.0	-488.3	987.1	986.6	9.6
1.0	15.0	0.0	2.0	0.0	-908.5	1827.2	1827.0	9.5
1.0	15.0	0.0	1.0	0.0	-1038.0	2086.3	2086.1	7.5
1.0	15.0	1.0	0.0	0.0	-1013.1	2036.4	2036.2	8.5
1.0	15.0	0.0	2.0	0.0	-1052.5	2115.1	2114.9	11.5
1.0	15.0	0.0	1.0	0.0	-1018.1	2046.3	2046.1	8.1
1.0	15.0	2.0	1.0	0.0	-1278.0	2572.4	2572.0	22.1
1.0	15.0	2.0	0.0	0.0	-1057.1	2130.7	2130.2	10.3
1.0	15.0	0.0	1.0	0.0	-1092.2	2194.7	2194.5	14.7
1.0	15.0	0.0	1.0	0.0	-994.0	1998.1	1997.9	9.9
1.0	15.0	0.0	0.0	0.0	-463.8	929.7	929.6	1.2
1.0	15.0	1.0	0.0	0.0	-518.9	1048.0	1047.8	3.0
1.0	15.0	0.0	1.0	0.0	-1027.9	2065.9	2065.7	12.3
1.0	15.0	0.0	1.0	0.0	-974.6	1959.4	1959.2	7.5
1.0	15.0	0.0	0.0	0.0	-827.4	1656.8	1656.8	3.6
1.0	15.0	1.0	0.0	0.0	-742.3	1494.8	1494.6	8.8
1.0	15.0	0.0	1.0	0.0	-1221.3	2452.7	2452.5	12.7
1.0	15.0	0.0	2.0	0.0	-133.0	277.6	276.1	4.3
1.0	15.0	2.0	0.0	0.0	-169.5	350.5	349.0	14.3
1.0	15.0	2.0	0.0	0.0	-160.1	331.8	330.3	11.9
1.0	15.0	0.0	0.0	0.0	-130.1	262.2	262.1	4.6
1.0	15.0	0.0	3.0	0.0	-146.3	304.2	302.7	6.3
1.0	15.0	4.0	0.0	0.0	-168.3	348.2	346.6	10.7
1.0	15.0	4.0	0.0	0.0	-126.6	264.7	263.1	4.4
1.0	15.0	0.0	0.0	0.0	-135.5	273.1	273.0	5.4
0.9	15.0	0.0	1.0	0.0	-138.0	287.5	286.0	8.0
1.0	15.0	2.0	1.0	0.0	-178.8	377.5	373.5	18.9
1.0	15.0	1.0	1.0	0.0	-146.0	312.0	308.0	9.7
1.0	15.0	0.0	1.0	0.0	-143.7	298.9	297.4	7.1
1.0	15.0	0.0	1.0	0.0	-142.4	296.3	294.7	5.9
1.0	15.0	0.0	0.0	0.0	-80.4	162.9	162.8	2.3
1.0	15.0	1.0	0.0	0.0	-89.5	190.5	189.0	6.4
1.0	15.0	0.0	1.0	0.0	-161.5	334.6	333.1	7.8
1.0	15.0	0.0	2.0	0.0	-96.4	204.4	202.8	2.4
1.0	15.0	2.0	0.0	0.0	-146.4	304.3	302.7	7.6
1.0	15.0	2.0	0.0	0.0	-126.2	264.0	262.5	6.0
1.0	15.0	0.0	0.0	0.0	-131.9	266.0	265.9	4.0
1.0	15.0	0.0	2.0	0.0	-140.9	293.3	291.7	5.6
1.0	15.0	2.0	0.0	0.0	-172.7	357.0	355.5	12.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-158.7	328.9	327.4	13.4
1.0	15.0	0.0	1.0	0.0	-164.5	331.0	330.9	11.8
1.0	15.0	2.0	0.0	0.0	-141.8	295.2	293.7	5.4
1.0	15.0	3.0	0.0	0.0	-121.9	263.8	259.8	3.5
1.0	15.0	3.0	0.0	0.0	-106.1	232.2	228.2	2.0
1.0	15.0	0.0	0.0	0.0	-170.4	342.9	342.8	10.6
1.0	15.0	0.0	2.0	0.0	-268.2	547.2	546.5	4.7
1.0	15.0	2.0	0.0	0.0	-338.4	687.6	686.8	14.3
1.0	15.0	2.0	0.0	0.0	-280.4	571.6	570.9	7.8
1.0	15.0	0.0	0.0	0.0	-300.1	602.2	602.2	7.4
1.0	15.0	3.0	0.0	0.0	-278.9	568.5	567.8	5.5
1.0	15.0	3.0	0.0	0.0	-247.5	512.7	510.9	4.5
1.0	15.0	2.0	0.0	0.0	-224.8	467.4	465.6	2.9
1.0	15.0	0.0	0.0	0.0	-368.6	739.3	739.3	14.8
1.0	15.0	0.0	4.0	0.0	-132.9	277.3	275.8	5.5
1.0	15.0	5.0	0.0	0.0	-148.8	317.7	313.7	7.6
0.9	15.0	5.0	0.0	0.0	-153.5	318.6	317.0	8.5
1.0	15.0	0.0	0.0	0.0	-132.9	267.9	267.8	4.4
1.0	15.0	0.0	0.0	0.0	-120.8	243.8	243.7	3.9
1.0	15.0	5.0	0.0	0.0	-175.5	362.5	361.0	19.2
1.0	15.0	4.0	0.0	0.0	-156.0	323.5	322.0	11.9
1.0	15.0	0.0	0.0	0.0	-151.2	304.4	304.3	8.3
1.0	15.0	0.0	2.0	0.0	-126.9	265.3	263.7	4.2
1.0	15.0	4.0	0.0	0.0	-116.9	245.4	243.8	5.1
1.0	15.0	2.0	0.0	0.0	-87.5	186.6	185.0	2.6
1.0	15.0	0.0	0.0	0.0	-158.2	318.5	318.4	7.9
1.0	15.0	0.0	2.0	0.0	-130.7	272.9	271.3	7.6
1.0	15.0	0.0	0.0	0.0	-111.3	224.6	224.5	3.1
1.0	15.0	3.0	0.0	0.0	-121.5	254.6	253.1	5.9
1.0	15.0	0.0	0.0	0.0	-168.3	338.6	338.5	10.1
1.0	15.0	0.0	3.0	0.0	-116.1	243.8	242.3	4.4
1.0	15.0	1.0	3.0	0.0	-138.9	297.9	293.9	6.8
1.0	15.0	4.0	0.0	0.0	-142.2	296.0	294.5	8.4
1.0	15.0	0.0	3.0	0.0	-132.8	277.1	275.5	6.5
1.0	15.0	0.0	2.0	0.0	-131.9	275.4	273.8	4.5
1.0	15.0	0.0	2.0	0.0	-110.4	232.4	230.9	3.0
1.0	15.0	1.0	0.0	0.0	-123.1	257.8	256.3	15.9
1.0	15.0	0.0	2.0	0.0	-162.8	337.2	335.7	9.9
1.0	15.0	0.0	2.0	0.0	-115.7	243.0	241.4	3.5
1.0	15.0	0.0	0.0	0.0	-77.6	157.4	157.3	2.2
1.0	15.0	2.0	0.0	0.0	-98.7	208.9	207.3	9.9
1.0	15.0	0.0	2.0	0.0	-147.3	306.2	304.7	6.7
1.0	15.0	0.0	2.0	0.0	-121.8	255.1	253.6	4.5
1.0	15.0	0.0	0.0	0.0	-94.1	190.2	190.2	2.0
1.0	15.0	2.0	0.0	0.0	-114.7	240.9	239.3	9.2
1.0	15.0	0.0	2.0	0.0	-162.5	336.6	335.0	8.7



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-148.2	307.9	306.3	6.7
1.0	15.0	0.0	0.0	0.0	-69.7	141.6	141.5	1.6
1.0	15.0	2.0	0.0	0.0	-76.2	164.0	162.5	2.1
1.0	15.0	0.0	2.0	0.0	-147.4	306.5	304.9	9.3
1.0	15.0	0.0	2.0	0.0	-131.0	273.6	272.1	7.7
1.0	15.0	0.0	2.0	0.0	-101.6	214.7	213.1	1.7
1.0	15.0	2.0	0.0	0.0	-118.1	247.8	246.3	14.2
1.0	15.0	0.0	2.0	0.0	-158.7	329.0	327.4	9.8
1.0	15.0	0.0	3.0	0.0	-126.2	264.0	262.4	8.5
1.0	15.0	2.0	2.0	0.0	-130.3	280.7	276.7	5.6
0.6	15.0	4.0	0.0	0.0	-133.4	286.8	282.8	9.0
0.9	15.0	0.0	5.0	0.0	-139.6	290.7	289.1	8.4
1.0	15.0	0.0	2.0	0.0	-147.6	306.8	305.3	7.2
1.0	15.0	0.0	2.0	0.0	-111.9	235.4	233.8	4.1
0.8	15.0	1.0	0.0	0.0	-116.7	244.9	243.3	13.6
1.0	15.0	0.0	3.0	0.0	-170.6	352.8	351.2	10.1
1.0	15.0	0.0	2.0	0.0	-116.7	244.8	243.3	7.2
1.0	15.0	0.0	0.0	0.0	-62.6	127.3	127.2	0.9
1.0	15.0	2.0	0.0	0.0	-101.2	213.9	212.4	18.2
0.8	15.0	0.0	2.0	0.0	-121.7	254.9	253.3	7.7
0.6	15.0	0.0	2.0	0.0	-146.0	312.0	308.0	6.1
1.0	15.0	0.0	0.0	0.0	-91.3	184.6	184.5	1.8
0.7	15.0	1.0	0.0	0.0	-87.1	194.3	190.3	4.1
0.9	15.0	2.0	4.0	0.0	-197.8	397.7	397.6	24.5
1.0	15.0	0.0	3.0	0.0	-131.6	274.8	273.2	7.2
1.0	15.0	0.0	0.0	0.0	-71.7	145.5	145.4	1.4
1.0	15.0	2.0	0.0	0.0	-77.2	165.9	164.4	1.9
1.0	15.0	0.0	2.0	0.0	-168.9	349.4	347.9	12.2
1.0	15.0	0.0	3.0	0.0	-138.8	289.2	287.6	5.4
1.0	15.0	0.0	2.0	0.0	-113.6	238.8	237.3	3.5
1.0	15.0	2.0	0.0	0.0	-110.6	232.8	231.3	8.7
1.0	15.0	0.0	3.0	0.0	-161.2	333.9	332.4	8.6
1.0	15.0	0.0	0.0	0.0	-120.8	243.6	243.6	5.2
1.0	15.0	3.0	0.0	0.0	-146.7	305.0	303.4	8.9
0.7	15.0	3.0	0.0	0.0	-123.9	267.9	263.9	4.3
1.0	15.0	0.0	0.0	0.0	-123.5	249.2	249.1	3.9
1.0	15.0	1.0	0.0	0.0	-167.6	346.6	345.1	83.5
1.0	15.0	4.0	0.0	0.0	-220.1	451.7	450.2	104.2
1.0	15.0	4.0	0.0	0.0	-166.0	343.5	342.0	16.1
1.0	15.0	0.0	0.0	0.0	-168.3	338.7	338.6	9.1
1.0	15.0	2.0	0.0	0.0	-186.0	383.5	382.0	65.1
1.0	15.0	6.0	0.0	0.0	-224.5	460.5	459.0	158.2
0.6	15.0	5.0	0.0	0.0	-170.6	361.2	357.2	23.0
1.0	15.0	0.0	0.0	0.0	-176.5	355.1	355.0	12.8
1.0	15.0	1.0	0.0	0.0	-126.3	264.2	262.7	5.9
1.0	15.0	3.0	0.0	0.0	-117.8	247.2	245.6	10.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-84.8	181.2	179.7	1.7
1.0	15.0	0.0	0.0	0.0	-120.6	243.4	243.3	4.3
0.7	15.0	1.0	0.0	0.0	-159.3	330.1	328.6	21.6
1.0	15.0	6.0	0.0	0.0	-180.2	372.0	370.5	57.8
1.0	15.0	5.0	0.0	0.0	-147.8	307.1	305.5	12.6
1.0	15.0	0.0	0.0	0.0	-169.6	341.4	341.3	10.4
1.0	15.0	1.0	0.0	0.0	-184.9	381.4	379.9	40.0
1.0	15.0	3.0	0.0	0.0	-144.2	299.9	298.3	21.9
0.9	15.0	3.0	0.0	0.0	-97.4	206.3	204.7	3.5
1.0	15.0	0.0	0.0	0.0	-152.0	306.2	306.1	8.3
0.7	15.0	1.0	0.0	0.0	-148.3	308.2	306.7	20.2
1.0	15.0	5.0	0.0	0.0	-196.4	404.3	402.7	60.9
1.0	15.0	5.0	0.0	0.0	-170.5	352.6	351.0	20.6
1.0	15.0	0.0	0.0	0.0	-176.1	354.2	354.2	11.2
1.0	15.0	0.0	2.0	0.0	-132.4	276.3	274.8	5.9
1.0	15.0	2.0	0.0	0.0	-139.3	290.2	288.7	6.2
1.0	15.0	1.0	0.0	0.0	-137.4	286.4	284.9	5.6
1.0	15.0	0.0	0.0	0.0	-129.3	260.6	260.5	4.0
1.0	15.0	0.0	3.0	0.0	-120.9	253.4	251.9	3.5
1.0	15.0	3.0	0.0	0.0	-158.7	329.0	327.5	8.0
1.0	15.0	3.0	0.0	0.0	-147.6	306.8	305.2	6.8
1.0	15.0	0.0	0.0	0.0	-129.6	261.4	261.3	4.9
1.0	15.0	0.0	0.0	0.0	-137.1	276.3	276.2	5.0
1.0	15.0	2.0	0.0	0.0	-167.1	345.8	344.3	13.2
1.0	15.0	1.0	0.0	0.0	-149.7	310.9	309.3	9.7
1.0	15.0	0.0	0.0	0.0	-179.7	361.6	361.5	12.7
1.0	15.0	0.0	2.0	0.0	-128.7	269.0	267.4	4.0
1.0	15.0	4.0	0.0	0.0	-171.3	354.0	352.5	15.3
1.0	15.0	4.0	0.0	0.0	-168.8	349.2	347.7	13.8
1.0	15.0	0.0	0.0	0.0	-145.4	292.9	292.8	7.3
1.0	15.0	0.0	0.0	0.0	-128.8	259.7	259.6	6.1
1.0	15.0	1.0	0.0	0.0	-156.3	324.1	322.6	7.7
1.0	15.0	1.0	0.0	0.0	-123.9	259.2	257.7	4.9
1.0	15.0	0.0	0.0	0.0	-150.6	303.3	303.2	6.8
1.0	15.0	0.0	3.0	0.0	-131.4	274.3	272.8	7.0
1.0	15.0	1.0	2.0	0.0	-152.0	323.9	319.9	8.4
0.6	15.0	4.0	0.0	0.0	-168.2	356.3	352.3	18.0
0.9	15.0	0.0	3.0	0.0	-131.9	275.4	273.8	9.4
1.0	15.0	0.0	2.0	0.0	-144.9	301.3	299.7	13.6
0.9	15.0	0.0	2.0	0.0	-128.3	268.1	266.6	8.9
0.5	15.0	2.0	0.0	0.0	-136.4	284.4	282.9	18.5
1.0	15.0	0.0	4.0	0.0	-186.4	384.3	382.8	27.8
0.9	15.0	0.0	2.0	0.0	-128.4	268.4	266.8	12.6
1.0	15.0	0.0	0.0	0.0	-77.4	156.8	156.7	1.6
1.0	15.0	2.0	0.0	0.0	-104.2	219.9	218.3	25.8
1.0	15.0	0.0	3.0	0.0	-154.8	321.0	319.5	18.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	0.0	3.0	0.0	-129.4	270.4	268.8	7.6
1.0	15.0	0.0	2.0	0.0	-100.6	212.8	211.3	1.8
0.8	15.0	2.0	0.0	0.0	-112.8	245.7	241.7	6.1
1.0	15.0	0.0	3.0	0.0	-162.4	336.3	334.7	10.1
0.9	15.0	0.0	2.0	0.0	-137.0	285.5	283.9	11.6
1.0	15.0	0.0	0.0	0.0	-106.9	216.0	215.9	3.0
1.0	15.0	2.0	0.0	0.0	-70.8	153.1	151.6	3.5
1.0	15.0	0.0	3.0	0.0	-149.0	309.7	308.1	11.7
1.0	15.0	0.0	3.0	0.0	-122.4	256.3	254.8	9.3
0.9	15.0	0.0	2.0	0.0	-124.9	261.4	259.9	6.3
1.0	15.0	3.0	0.0	0.0	-132.9	285.7	281.7	16.0
1.0	15.0	0.0	2.0	0.0	-168.1	347.7	346.2	20.8
1.0	15.0	0.0	2.0	0.0	-117.4	246.4	244.8	3.4
0.9	15.0	3.0	0.0	0.0	-145.7	302.8	301.3	7.2
1.0	15.0	2.0	0.0	0.0	-148.3	308.0	306.5	10.3
1.0	15.0	0.0	0.0	0.0	-133.3	268.6	268.5	4.6
1.0	15.0	0.0	0.0	0.0	-134.2	270.4	270.3	5.7
1.0	15.0	1.0	0.0	0.0	-160.1	331.8	330.3	9.9
1.0	15.0	2.0	1.0	0.0	-143.6	298.7	297.2	8.9
1.0	15.0	0.0	0.0	0.0	-145.0	292.2	292.1	5.7
0.9	15.0	0.0	2.0	0.0	-114.5	240.5	239.0	3.0
1.0	15.0	3.0	0.0	0.0	-113.6	238.7	237.2	4.1
1.0	15.0	3.0	0.0	0.0	-102.2	216.0	214.4	2.2
1.0	15.0	1.0	0.0	0.0	-191.4	384.8	384.7	19.6
1.0	15.0	0.0	2.0	0.0	-134.6	280.8	279.3	6.6
0.9	15.0	3.0	0.0	0.0	-146.4	304.2	302.7	7.6
1.0	15.0	3.0	0.0	0.0	-140.4	292.3	290.7	9.4
1.0	15.0	0.0	0.0	0.0	-157.6	317.3	317.2	8.2
1.0	15.0	0.0	0.0	0.0	-140.0	282.2	282.1	5.3
1.0	15.0	2.0	0.0	0.0	-118.9	257.8	253.8	3.6
1.0	15.0	2.0	0.0	0.0	-100.9	221.8	217.8	1.9
1.0	15.0	0.0	0.0	0.0	-166.3	334.6	334.6	9.7
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	5.3
1.0	15.0	2.0	0.0	0.0	-159.0	329.5	328.0	13.0
0.8	15.0	1.0	0.0	0.0	-126.9	265.3	263.7	7.0
1.0	15.0	0.0	0.0	0.0	-156.2	314.6	314.5	7.8
1.0	15.0	0.0	1.0	0.0	-127.7	267.0	265.4	4.1
1.0	15.0	2.0	1.0	0.0	-134.4	288.9	284.9	4.4
1.0	15.0	3.0	0.0	0.0	-136.3	284.1	282.6	5.9
1.0	15.0	0.0	1.0	0.0	-122.0	255.5	253.9	3.6
1.0	15.0	0.0	1.0	0.0	-123.4	258.3	256.8	3.8
1.0	15.0	2.0	1.0	0.0	-165.4	350.7	346.7	10.6
1.0	15.0	2.0	0.0	0.0	-128.5	277.1	273.1	6.9
1.0	15.0	0.0	1.0	0.0	-146.7	305.0	303.5	6.0
1.0	15.0	1.0	1.0	0.0	-130.8	273.1	271.5	6.7
1.0	15.0	0.0	1.0	0.0	-110.8	233.0	231.5	2.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	1.0	0.0	-107.8	227.1	225.5	4.8
1.0	15.0	0.0	1.0	0.0	-150.6	312.6	311.1	7.2
1.0	15.0	0.0	1.0	0.0	-121.1	253.7	252.2	3.6
1.0	15.0	0.0	0.0	0.0	-85.7	173.5	173.4	10.0
0.9	15.0	1.0	0.0	0.0	-76.4	164.3	162.8	4.2
1.0	15.0	0.0	1.0	0.0	-158.3	328.2	326.6	7.6
1.0	15.0	0.0	2.0	0.0	-124.5	260.5	259.0	5.1
1.0	15.0	2.0	2.0	0.0	-140.0	300.0	296.0	9.5
1.0	15.0	2.0	0.0	0.0	-147.0	305.6	304.1	9.0
1.0	15.0	0.0	2.0	0.0	-148.0	307.6	306.1	7.1
1.0	15.0	0.0	2.0	0.0	-138.8	289.0	287.5	6.1
1.0	15.0	4.0	2.0	0.0	-190.8	401.6	397.6	26.1
1.0	15.0	2.0	1.0	0.0	-128.2	276.3	272.3	7.1
1.0	15.0	0.0	3.0	0.0	-160.8	333.1	331.5	8.9
1.0	15.0	1.0	1.0	0.0	-152.8	317.1	315.6	8.6
1.0	15.0	0.0	2.0	0.0	-115.8	243.1	241.5	3.5
1.0	15.0	1.0	1.0	0.0	-134.1	279.7	278.2	15.3
1.0	15.0	0.0	3.0	0.0	-170.4	352.4	350.8	11.4
1.0	15.0	0.0	2.0	0.0	-117.2	245.9	244.4	3.5
1.0	15.0	0.0	0.0	0.0	-60.5	123.1	123.0	0.8
1.0	15.0	1.0	0.0	0.0	-77.2	166.0	164.4	2.9
1.0	15.0	0.0	4.0	0.0	-129.5	270.5	269.0	4.3
1.0	15.0	0.0	1.0	0.0	-142.8	297.1	295.5	5.6
1.0	15.0	0.0	0.0	0.0	-88.2	178.5	178.4	2.4
1.0	15.0	1.0	0.0	0.0	-107.6	226.7	225.2	4.1
1.0	15.0	0.0	1.0	0.0	-166.8	345.2	343.7	11.3
1.0	15.0	0.0	2.0	0.0	-125.3	262.2	260.7	5.8
1.0	15.0	0.0	0.0	0.0	-81.4	165.0	164.9	2.4
1.0	15.0	2.0	0.0	0.0	-71.6	154.8	153.3	1.4
1.0	15.0	0.0	2.0	0.0	-161.6	334.6	333.1	10.8
1.0	15.0	0.0	2.0	0.0	-136.6	284.8	283.2	5.3
1.0	15.0	0.0	1.0	0.0	-111.7	234.8	233.3	2.8
1.0	15.0	1.0	0.0	0.0	-127.0	265.5	264.0	14.5
1.0	15.0	0.0	1.0	0.0	-175.8	363.2	361.7	11.9
1.0	15.0	0.0	1.0	0.0	-114.3	240.1	238.6	3.7
1.0	15.0	1.0	0.0	0.0	-140.7	293.0	291.5	9.4
1.0	15.0	1.0	0.0	0.0	-125.4	262.3	260.8	8.9
1.0	15.0	0.0	1.0	0.0	-146.8	295.7	295.6	7.7
1.0	15.0	0.0	0.0	0.0	-124.1	250.2	250.1	4.7
1.0	15.0	1.0	0.0	0.0	-183.8	379.1	377.6	14.6
1.0	15.0	1.0	0.0	0.0	-137.2	285.9	284.3	7.6
1.0	15.0	0.0	0.0	0.0	-166.5	335.2	335.1	10.8
1.0	15.0	0.0	0.0	0.0	-153.4	308.9	308.8	7.2
1.0	15.0	2.0	0.0	0.0	-172.4	356.3	354.8	15.7
1.0	15.0	2.0	0.0	0.0	-124.1	259.8	258.3	4.8
1.0	15.0	0.0	0.0	0.0	-179.8	361.8	361.7	11.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-128.5	259.1	259.0	4.7
1.0	15.0	2.0	0.0	0.0	-130.9	273.4	271.9	5.2
1.0	15.0	2.0	0.0	0.0	-123.1	257.7	256.2	4.1
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	5.3
0.9	15.0	2.0	0.0	0.0	-133.1	277.8	276.2	8.0
1.0	15.0	4.0	0.0	0.0	-188.5	388.6	387.1	40.7
1.0	15.0	4.0	0.0	0.0	-128.8	269.1	267.5	5.7
1.0	15.0	0.0	1.0	0.0	-138.6	288.6	287.1	6.7
1.0	15.0	0.0	0.0	0.0	-126.4	254.9	254.8	5.0
1.0	15.0	5.0	0.0	0.0	-156.8	325.1	323.6	15.9
1.0	15.0	5.0	0.0	0.0	-131.3	274.1	272.6	7.1
1.0	15.0	0.0	0.0	0.0	-162.8	327.6	327.5	9.4
1.0	15.0	3.0	1.0	0.0	-112.0	235.5	233.9	2.9
1.0	15.0	4.0	0.0	0.0	-107.9	227.3	225.8	6.9
1.0	15.0	4.0	0.0	0.0	-94.9	201.4	199.9	4.8
1.0	15.0	0.0	2.0	0.0	-130.5	272.6	271.0	4.4
1.0	15.0	0.0	0.0	0.0	-137.3	276.8	276.7	4.8
1.0	15.0	4.0	0.0	0.0	-125.6	262.7	261.1	11.3
1.0	15.0	4.0	0.0	0.0	-119.5	250.6	249.1	5.6
1.0	15.0	0.0	0.0	0.0	-156.0	314.0	313.9	8.0
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.1
1.0	15.0	3.0	0.0	0.0	-98.0	207.6	206.1	3.4
1.0	15.0	2.0	0.0	0.0	-80.5	172.6	171.1	2.7
1.0	15.0	0.0	0.0	0.0	-143.8	289.6	289.5	6.6
1.0	15.0	3.0	0.0	0.0	-125.7	263.0	261.5	4.2
1.0	15.0	5.0	0.0	0.0	-178.2	368.0	366.5	54.8
1.0	15.0	4.0	0.0	0.0	-169.0	349.5	347.9	41.2
1.0	15.0	0.0	0.0	0.0	-158.6	319.3	319.2	7.9
1.0	15.0	0.0	4.0	0.0	-118.8	249.0	247.5	3.2
1.0	15.0	5.0	0.0	0.0	-146.7	305.0	303.4	6.9
1.0	15.0	5.0	0.0	0.0	-131.6	274.8	273.3	5.7
1.0	15.0	0.0	0.0	0.0	-146.9	295.8	295.8	5.8
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	4.9
0.9	15.0	2.0	0.0	0.0	-91.1	193.7	192.2	4.8
1.0	15.0	3.0	0.0	0.0	-73.2	157.9	156.4	2.3
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.7	5.1
1.0	15.0	0.0	2.0	0.0	-755.9	1522.0	1521.8	4.1
1.0	15.0	2.0	0.0	0.0	-992.2	1994.7	1994.4	12.6
1.0	15.0	2.0	0.0	0.0	-807.9	1626.1	1625.9	6.1
1.0	15.0	0.0	0.0	0.0	-903.8	1809.7	1809.7	7.9
1.0	23.0	0.0	0.0	0.0	-717.3	1436.5	1436.5	6.1
1.0	23.0	3.0	0.0	0.0	-776.2	1562.6	1562.4	8.5
1.0	23.0	3.0	0.0	0.0	-660.4	1331.2	1330.9	6.3
1.0	23.0	0.0	0.0	0.0	-800.6	1603.3	1603.3	9.0
1.0	15.0	0.0	0.0	0.0	-861.8	1725.6	1725.6	5.9
1.0	15.0	2.0	0.0	0.0	-1018.4	2047.1	2046.9	11.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-863.4	1737.0	1736.8	7.9
1.0	15.0	0.0	0.0	0.0	-946.7	1895.4	1895.4	8.7
0.8	15.0	0.0	3.0	0.0	-125.0	261.6	260.0	3.8
1.0	15.0	2.0	0.0	0.0	-172.8	357.1	355.5	12.0
0.8	15.0	3.0	0.0	0.0	-147.0	305.5	303.9	8.4
1.0	15.0	0.0	0.0	0.0	-134.9	271.9	271.8	5.4
1.0	15.0	0.0	0.0	0.0	-153.0	308.2	308.1	8.0
1.0	15.0	3.0	0.0	0.0	-129.1	278.2	274.2	4.9
0.9	15.0	6.0	0.0	0.0	-120.0	260.0	256.0	3.8
1.0	15.0	0.0	0.0	0.0	-170.8	343.6	343.5	12.1
1.0	15.0	0.0	2.0	0.0	-130.9	273.3	271.8	4.3
1.0	15.0	5.0	0.0	0.0	-183.9	379.4	377.9	13.7
0.6	15.0	3.0	0.0	0.0	-142.9	305.8	301.8	7.5
1.0	15.0	0.0	0.0	0.0	-150.7	303.4	303.3	7.6
1.0	15.0	0.0	0.0	0.0	-141.6	285.3	285.2	6.2
1.0	15.0	2.0	0.0	0.0	-166.6	344.7	343.1	10.1
1.0	15.0	2.0	0.0	0.0	-129.0	269.5	268.0	6.1
1.0	15.0	0.0	0.0	0.0	-160.0	322.0	321.9	7.8
1.0	15.0	0.0	3.0	0.0	-796.3	1602.7	1602.5	4.7
0.9	15.0	4.0	0.0	0.0	-1056.7	2130.0	2129.4	14.9
1.0	15.0	4.0	0.0	0.0	-866.5	1743.2	1742.9	7.5
1.0	15.0	0.0	0.0	0.0	-935.7	1873.4	1873.4	7.9
1.0	15.0	0.0	2.0	0.0	-528.9	1068.1	1067.8	5.5
1.0	15.0	3.0	0.0	0.0	-669.9	1356.7	1355.9	12.1
1.0	15.0	3.0	0.0	0.0	-603.9	1218.1	1217.7	12.1
1.0	15.0	0.0	0.0	0.0	-635.6	1273.3	1273.2	8.2
1.0	15.0	0.0	2.0	0.0	-800.2	1610.6	1610.4	5.9
1.0	15.0	4.0	0.0	0.0	-1052.2	2121.0	2120.5	14.2
0.9	15.0	4.0	0.0	0.0	-916.6	1843.4	1843.2	13.0
1.0	15.0	0.0	0.0	0.0	-904.9	1811.7	1811.7	6.9
1.0	15.0	0.0	3.0	0.0	-113.8	239.2	237.7	3.6
1.0	15.0	0.0	1.0	0.0	-130.9	273.4	271.9	4.7
1.0	15.0	3.0	0.0	0.0	-135.9	283.3	281.8	11.9
1.0	15.0	0.0	1.0	0.0	-139.0	289.5	288.0	6.2
1.0	15.0	0.0	2.0	0.0	-132.9	277.3	275.8	9.8
1.0	15.0	0.0	1.0	0.0	-128.8	259.8	259.7	6.0
1.0	15.0	2.0	0.0	0.0	-127.3	266.0	264.5	24.9
1.0	15.0	0.0	2.0	0.0	-164.3	340.1	338.5	15.9
1.0	15.0	0.0	1.0	0.0	-129.5	270.5	269.0	5.9
1.0	15.0	0.0	0.0	0.0	-77.6	157.4	157.3	1.4
1.0	15.0	1.0	0.0	0.0	-101.6	214.7	213.1	12.2
1.0	15.0	0.0	1.0	0.0	-162.7	336.9	335.3	9.8
1.0	15.0	0.0	2.0	0.0	-141.5	294.5	292.9	13.6
1.0	15.0	0.0	0.0	0.0	-73.7	149.5	149.4	1.5
1.0	15.0	2.0	0.0	0.0	-93.7	198.9	197.3	5.4
1.0	15.0	0.0	2.0	0.0	-166.1	343.8	342.3	21.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-134.4	280.3	278.8	5.0
1.0	15.0	0.0	1.0	0.0	-142.4	296.3	294.7	5.5
1.0	15.0	2.0	0.0	0.0	-147.0	305.5	303.9	8.1
1.0	15.0	0.0	1.0	0.0	-135.9	283.3	281.8	5.1
1.0	15.0	0.0	1.0	0.0	-109.3	230.1	228.6	2.3
1.0	15.0	0.0	0.0	0.0	-65.7	133.5	133.4	1.0
1.0	15.0	1.0	0.0	0.0	-78.7	169.0	167.5	7.5
1.0	15.0	0.0	2.0	0.0	-133.9	279.4	277.8	5.5
1.0	15.0	0.0	1.0	0.0	-132.4	276.3	274.8	5.0
1.0	15.0	0.0	0.0	0.0	-75.1	152.2	152.1	1.4
1.0	15.0	1.0	0.0	0.0	-96.7	204.9	203.4	15.6
1.0	15.0	0.0	1.0	0.0	-175.4	362.3	360.8	11.3
1.0	15.0	0.0	1.0	0.0	-130.1	271.8	270.2	5.1
1.0	15.0	0.0	0.0	0.0	-61.0	124.1	124.0	1.1
0.8	15.0	1.0	0.0	0.0	-65.2	141.9	140.3	1.0
1.0	15.0	0.0	1.0	0.0	-119.1	249.7	248.2	6.9
1.0	15.0	0.0	2.0	0.0	-133.8	279.2	277.6	4.8
1.0	15.0	9.0	0.0	0.0	-140.1	291.8	290.3	7.2
1.0	15.0	9.0	0.0	0.0	-153.0	317.6	316.0	11.9
1.0	15.0	0.0	0.0	0.0	-148.2	298.5	298.4	6.7
1.0	15.0	0.0	3.0	0.0	-124.8	261.0	259.5	5.2
1.0	15.0	3.0	0.0	0.0	-128.7	277.5	273.5	5.2
0.5	15.0	4.0	0.0	0.0	-125.8	271.5	267.5	9.7
1.0	15.0	0.0	1.0	0.0	-187.8	387.2	385.7	14.2
1.0	15.0	0.0	1.0	0.0	-147.2	306.0	304.5	5.8
1.0	15.0	0.0	0.0	0.0	-125.9	253.8	253.7	7.4
1.0	15.0	1.0	0.0	0.0	-126.8	265.2	263.7	4.8
1.0	15.0	0.0	2.0	0.0	-166.3	344.1	342.6	10.2
1.0	15.0	0.0	2.0	0.0	-122.1	255.7	254.2	9.4
1.0	15.0	0.0	0.0	0.0	-75.1	152.2	152.1	2.0
1.0	15.0	1.0	0.0	0.0	-99.8	211.2	209.6	18.1
1.0	15.0	0.0	4.0	0.0	-163.2	338.0	336.4	10.8
1.0	15.0	0.0	1.0	0.0	-125.5	262.6	261.0	5.2
1.0	15.0	0.0	0.0	0.0	-86.1	174.3	174.2	3.0
1.0	15.0	1.0	0.0	0.0	-111.2	233.9	232.3	7.9
1.0	15.0	0.0	2.0	0.0	-162.2	336.0	334.5	10.5
1.0	15.0	0.0	2.0	0.0	-132.4	276.3	274.8	5.2
1.0	15.0	0.0	2.0	0.0	-111.8	235.2	233.6	2.5
0.9	15.0	1.0	0.0	0.0	-112.2	235.9	234.4	8.0
1.0	15.0	0.0	2.0	0.0	-159.3	330.1	328.5	7.4
1.0	15.0	0.0	2.0	0.0	-137.9	287.3	285.8	6.9
1.0	15.0	2.0	1.0	0.0	-141.0	302.0	298.0	6.2
0.5	15.0	2.0	0.0	0.0	-125.8	271.7	267.7	4.9
1.0	15.0	0.0	1.0	0.0	-136.8	285.0	283.5	6.9
1.0	15.0	0.0	1.0	0.0	-130.0	271.4	269.9	6.4
0.8	15.0	3.0	1.0	0.0	-168.7	357.4	353.4	19.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	2.0	1.0	0.0	-138.4	296.7	292.7	9.0
1.0	15.0	0.0	1.0	0.0	-159.2	329.9	328.3	9.3
0.9	15.0	0.0	1.0	0.0	-139.3	290.2	288.7	8.6
1.0	15.0	0.0	0.0	0.0	-110.7	223.4	223.4	3.9
0.8	15.0	1.0	0.0	0.0	-121.7	255.0	253.5	6.0
1.0	15.0	0.0	2.0	0.0	-158.5	328.5	327.0	11.1
1.0	15.0	0.0	2.0	0.0	-123.9	259.3	257.8	4.3
1.0	15.0	1.0	1.0	0.0	-132.6	285.2	281.2	5.8
1.0	15.0	1.0	0.0	0.0	-138.8	289.1	287.5	7.7
1.0	15.0	0.0	2.0	0.0	-127.7	267.0	265.5	5.1
1.0	15.0	0.0	2.0	0.0	-125.6	262.7	261.2	9.8
1.0	15.0	2.0	3.0	0.0	-190.0	400.0	396.0	26.7
1.0	15.0	2.0	1.0	0.0	-123.2	266.4	262.4	6.3
1.0	15.0	0.0	3.0	0.0	-155.9	323.4	321.9	12.4
1.0	15.0	0.0	2.0	0.0	-114.0	239.5	238.0	3.2
1.0	15.0	0.0	0.0	0.0	-72.1	146.2	146.1	1.7
1.0	15.0	1.0	0.0	0.0	-75.5	162.6	161.1	1.8
1.0	15.0	0.0	5.0	0.0	-152.1	315.7	314.2	7.0
1.0	15.0	0.0	2.0	0.0	-157.1	325.8	324.3	12.0
1.0	15.0	0.0	0.0	0.0	-85.0	172.1	172.0	3.9
1.0	15.0	1.0	0.0	0.0	-136.6	284.8	283.3	29.1
1.0	15.0	0.0	3.0	0.0	-170.2	351.9	350.4	12.6
1.0	15.0	0.0	2.0	0.0	-124.8	261.2	259.7	5.1
1.0	15.0	0.0	0.0	0.0	-70.7	143.5	143.4	2.0
1.0	15.0	1.0	0.0	0.0	-65.5	142.5	140.9	1.1
1.0	15.0	0.0	2.0	0.0	-152.1	315.8	314.2	9.2
1.0	15.0	0.0	3.0	0.0	-128.3	268.1	266.6	5.7
1.0	15.0	1.0	2.0	0.0	-133.4	278.4	276.9	4.6
1.0	15.0	2.0	0.0	0.0	-128.9	269.2	267.7	17.3
1.0	15.0	0.0	2.0	0.0	-163.9	339.4	337.8	9.9
0.8	15.0	0.0	2.0	0.0	-118.3	248.2	246.6	3.6
1.0	15.0	2.0	0.0	0.0	-161.8	335.1	333.6	8.7
1.0	15.0	2.0	0.0	0.0	-153.7	318.9	317.4	9.0
1.0	15.0	0.0	0.0	0.0	-154.2	310.5	310.4	8.2
1.0	15.0	0.0	1.0	0.0	-125.0	261.6	260.1	3.8
0.7	15.0	2.0	0.0	0.0	-114.1	248.2	244.2	2.8
1.0	15.0	1.0	0.0	0.0	-107.3	226.2	224.7	2.3
1.0	15.0	0.0	1.0	0.0	-172.6	356.8	355.3	10.7
1.0	15.0	0.0	3.0	0.0	-134.1	279.8	278.2	5.7
1.0	15.0	0.0	0.0	0.0	-102.9	207.9	207.8	2.6
1.0	15.0	2.0	0.0	0.0	-79.8	171.1	169.5	12.4
1.0	15.0	0.0	1.0	0.0	-155.2	312.6	312.5	16.1
1.0	15.0	0.0	3.0	0.0	-245.7	502.1	501.4	3.6
1.0	15.0	0.0	1.0	0.0	-275.6	553.2	553.1	5.9
1.0	15.0	2.0	0.0	0.0	-214.3	439.3	438.6	2.5
1.0	15.0	0.0	1.0	0.0	-321.8	645.6	645.6	10.2



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-137.2	276.6	276.5	6.5
1.0	15.0	2.0	0.0	0.0	-168.8	349.3	347.7	12.6
1.0	15.0	3.0	0.0	0.0	-131.6	274.8	273.2	6.6
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	7.0
1.0	15.0	0.0	1.0	0.0	-110.6	232.7	231.2	2.6
1.0	15.0	1.0	2.0	0.0	-133.6	278.7	277.1	4.5
1.0	15.0	1.0	0.0	0.0	-124.9	261.3	259.8	3.5
1.0	15.0	0.0	1.0	0.0	-147.4	297.0	296.9	7.6
1.0	15.0	0.0	1.0	0.0	-122.1	255.7	254.2	4.2
0.9	15.0	2.0	0.0	0.0	-143.5	298.5	296.9	5.9
1.0	15.0	2.0	0.0	0.0	-141.2	294.0	292.4	7.3
1.0	15.0	0.0	1.0	0.0	-155.5	313.0	312.9	10.6
1.0	15.0	2.0	0.0	0.0	-153.1	317.7	316.2	8.0
0.4	15.0	1.0	3.0	0.0	-210.1	440.4	436.3	41.2
1.0	15.0	0.0	3.0	0.0	-177.2	366.0	364.4	22.7
1.0	15.0	0.0	3.0	0.0	-185.9	373.9	373.8	14.0
1.0	15.0	0.0	3.0	0.0	-142.9	297.4	295.9	6.3
1.0	15.0	4.0	0.0	0.0	-130.2	280.5	276.5	9.9
1.0	15.0	4.0	0.0	0.0	-130.9	281.9	277.9	11.7
1.0	15.0	0.0	4.0	0.0	-146.7	305.0	303.4	6.7
1.0	15.0	0.0	3.0	0.0	-143.5	298.6	297.1	6.0
0.6	15.0	3.0	0.0	0.0	-110.6	241.1	237.1	2.7
1.0	15.0	3.0	0.0	0.0	-113.0	237.6	236.1	2.9
1.0	15.0	0.0	4.0	0.0	-161.6	334.7	333.1	8.4
1.0	15.0	0.0	4.0	0.0	-129.5	270.5	268.9	4.4
1.0	15.0	4.0	0.0	0.0	-165.5	342.5	341.0	15.2
1.0	15.0	4.0	0.0	0.0	-162.3	336.1	334.5	14.8
1.0	15.0	0.0	0.0	0.0	-148.8	299.7	299.6	6.2
0.6	15.0	0.0	7.0	0.0	-127.3	274.6	270.6	5.3
1.0	15.0	3.0	5.0	0.0	-143.5	307.0	303.0	6.5
1.0	15.0	6.0	0.0	0.0	-165.0	341.6	340.1	10.9
1.0	15.0	0.0	5.0	0.0	-135.4	282.3	280.8	8.7
1.0	15.0	0.0	8.0	0.0	-150.2	311.9	310.4	8.1
0.5	15.0	1.0	7.0	0.0	-221.4	463.0	458.9	44.6
0.8	15.0	3.0	3.0	0.0	-181.4	382.9	378.7	16.8
1.0	15.0	0.0	7.0	0.0	-162.2	336.0	334.5	15.0
0.8	15.0	2.0	6.0	0.0	-169.8	351.2	349.7	11.4
1.0	15.0	5.0	0.0	0.0	-127.9	267.4	265.9	5.8
0.6	15.0	6.0	0.0	0.0	-151.8	323.6	319.6	9.5
1.0	15.0	0.0	7.0	0.0	-168.3	348.2	346.7	11.0
1.0	15.0	0.0	6.0	0.0	-117.8	247.1	245.6	4.8
1.0	15.0	0.0	0.0	0.0	-73.9	149.9	149.8	8.4
1.0	15.0	5.0	0.0	0.0	-161.0	333.5	332.0	15.7
1.0	15.0	0.0	6.0	0.0	-138.6	288.8	287.2	6.3
1.0	15.0	0.0	6.0	0.0	-137.9	287.4	285.8	5.4
0.9	15.0	6.0	0.0	0.0	-148.5	317.1	313.1	11.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	7.0	0.0	0.0	-163.4	346.9	342.9	15.6
1.0	15.0	0.0	6.0	0.0	-153.4	318.4	316.8	10.4
1.0	15.0	0.0	7.0	0.0	-133.5	278.5	277.0	7.6
1.0	15.0	0.0	0.0	0.0	-89.5	181.1	181.0	1.6
1.0	15.0	6.0	0.0	0.0	-84.8	181.1	179.6	2.0
1.0	15.0	0.0	7.0	0.0	-153.9	319.3	317.8	16.1
1.0	15.0	0.0	8.0	0.0	-127.0	265.5	263.9	8.9
1.0	15.0	1.0	1.0	0.0	-115.7	251.4	247.4	6.2
1.0	15.0	8.0	0.0	0.0	-155.1	321.8	320.3	11.5
1.0	15.0	0.0	8.0	0.0	-150.4	312.3	310.8	13.6
1.0	15.0	0.0	2.0	0.0	-116.2	243.8	242.3	3.2
1.0	15.0	2.0	0.0	0.0	-173.6	358.7	357.2	12.5
1.0	15.0	3.0	0.0	0.0	-128.6	268.6	267.1	4.7
1.0	15.0	0.0	0.0	0.0	-148.4	298.9	298.8	5.9
1.0	15.0	0.0	0.0	0.0	-128.3	258.7	258.6	5.8
1.0	15.0	1.0	0.0	0.0	-161.5	334.6	333.1	10.0
1.0	15.0	1.0	0.0	0.0	-120.2	252.0	250.4	3.9
1.0	15.0	0.0	0.0	0.0	-134.5	271.0	270.9	5.5
1.0	15.0	0.0	0.0	0.0	-136.5	275.0	274.9	5.7
1.0	15.0	1.0	0.0	0.0	-154.6	320.6	319.1	8.7
1.0	15.0	1.0	0.0	0.0	-115.6	242.8	241.2	3.9
1.0	15.0	0.0	0.0	0.0	-149.3	300.8	300.7	6.3
1.0	15.0	0.0	0.0	0.0	-150.2	302.5	302.4	6.0
1.0	15.0	1.0	0.0	0.0	-138.8	289.1	287.6	5.3
1.0	15.0	1.0	0.0	0.0	-141.3	294.1	292.5	5.3
1.0	15.0	0.0	0.0	0.0	-128.0	258.0	257.9	5.9
1.0	15.0	0.0	1.0	0.0	-112.5	236.5	235.0	3.3
1.0	15.0	0.0	1.0	0.0	-125.1	261.8	260.2	3.7
1.0	15.0	1.0	0.0	0.0	-116.6	244.7	243.1	5.9
1.0	15.0	0.0	1.0	0.0	-149.0	309.6	308.1	6.2
1.0	15.0	0.0	3.0	0.0	-127.7	266.9	265.3	4.9
1.0	15.0	3.0	2.0	0.0	-163.9	347.9	343.8	25.6
1.0	15.0	2.0	0.0	0.0	-137.7	295.6	291.5	12.2
1.0	15.0	0.0	2.0	0.0	-154.5	320.4	318.9	14.2
1.0	15.0	0.0	1.0	0.0	-127.9	267.3	265.8	7.1
1.0	15.0	0.0	0.0	0.0	-74.9	151.9	151.8	1.7
0.6	15.0	1.0	0.0	0.0	-88.6	188.7	187.2	13.4
1.0	15.0	0.0	1.0	0.0	-142.5	296.5	295.0	6.9
1.0	15.0	0.0	1.0	0.0	-122.6	256.7	255.2	4.1
1.0	15.0	0.0	0.0	0.0	-81.5	165.0	164.9	2.5
1.0	15.0	1.0	0.0	0.0	-90.8	193.1	191.5	4.7
1.0	15.0	0.0	2.0	0.0	-153.0	317.5	315.9	7.7
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.4	3.7
1.0	15.0	0.0	1.0	0.0	-101.4	214.4	212.9	1.6
1.0	15.0	2.0	0.0	0.0	-109.7	230.9	229.4	7.2
1.0	15.0	0.0	2.0	0.0	-159.0	329.5	327.9	8.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-125.4	252.8	252.7	4.1
1.0	15.0	3.0	0.0	0.0	-167.5	346.5	345.0	9.5
1.0	15.0	1.0	0.0	0.0	-133.3	278.1	276.6	6.1
1.0	15.0	0.0	0.0	0.0	-147.1	296.3	296.2	6.7
1.0	15.0	0.0	0.0	0.0	-118.8	239.7	239.6	4.8
1.0	15.0	1.0	0.0	0.0	-157.6	326.8	325.3	10.9
1.0	15.0	1.0	0.0	0.0	-115.4	242.4	240.8	4.4
1.0	15.0	0.0	0.0	0.0	-163.3	328.6	328.5	10.0
1.0	23.0	0.0	3.0	0.0	-258.8	528.2	527.5	4.6
1.0	23.0	1.0	0.0	0.0	-245.1	501.0	500.3	5.8
1.0	23.0	3.0	0.0	0.0	-221.6	453.9	453.2	7.0
1.0	23.0	0.0	3.0	0.0	-304.8	620.4	619.7	6.8
1.0	15.0	0.0	3.0	0.0	-293.7	598.1	597.4	6.1
1.0	15.0	2.0	1.0	0.0	-314.5	646.9	645.1	9.3
1.0	15.0	2.0	0.0	0.0	-331.7	681.3	679.5	12.4
1.0	15.0	0.0	2.0	0.0	-300.6	611.9	611.2	13.9
1.0	15.0	0.0	2.0	0.0	-250.7	512.2	511.5	4.5
1.0	15.0	1.0	0.0	0.0	-222.0	446.1	446.0	6.2
1.0	15.0	2.0	0.0	0.0	-216.2	443.2	442.4	4.2
1.0	15.0	0.0	2.0	0.0	-336.6	684.0	683.3	14.2
1.0	15.0	0.0	2.0	0.0	-272.4	555.5	554.8	7.4
1.0	15.0	0.0	1.0	0.0	-229.3	469.4	468.7	3.5
1.0	15.0	1.0	0.0	0.0	-239.4	489.5	488.8	10.0
1.0	15.0	0.0	2.0	0.0	-320.4	651.6	650.9	8.3
1.0	15.0	0.0	2.0	0.0	-132.0	275.5	274.0	4.2
1.0	15.0	3.0	0.0	0.0	-163.7	338.9	337.4	8.8
1.0	15.0	5.0	0.0	0.0	-125.3	262.1	260.6	4.1
1.0	15.0	0.0	0.0	0.0	-162.9	327.8	327.7	8.1
1.0	15.0	0.0	5.0	0.0	-138.7	288.9	287.4	5.2
0.8	15.0	9.0	0.0	0.0	-149.8	319.6	315.6	9.3
1.0	15.0	9.0	0.0	0.0	-147.4	306.4	304.8	6.4
1.0	15.0	0.0	3.0	0.0	-142.3	296.2	294.7	5.2
1.0	15.0	0.0	5.0	0.0	-110.3	240.7	236.7	3.5
1.0	15.0	7.0	0.0	0.0	-182.2	375.9	374.4	16.4
0.7	15.0	6.0	0.0	0.0	-138.3	296.6	292.6	6.4
1.0	15.0	0.0	0.0	0.0	-151.2	304.4	304.4	7.6
1.0	15.0	0.0	2.0	0.0	-119.7	251.0	249.5	3.5
1.0	15.0	0.0	0.0	0.0	-107.4	217.0	216.9	2.6
1.0	15.0	3.0	0.0	0.0	-101.4	214.3	212.7	1.9
1.0	15.0	0.0	3.0	0.0	-144.6	300.8	299.2	5.7
1.0	15.0	0.0	4.0	0.0	-125.8	263.1	261.6	3.8
0.9	15.0	5.0	0.0	0.0	-155.8	323.2	321.7	8.6
1.0	15.0	5.0	0.0	0.0	-128.9	277.8	273.8	5.4
1.0	15.0	0.0	0.0	0.0	-167.0	336.2	336.1	10.2
0.7	15.0	3.0	0.0	0.0	-130.7	272.9	271.4	4.2
1.0	15.0	2.0	0.0	0.0	-110.9	241.9	237.9	2.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-113.8	229.7	229.6	3.3
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	6.1
1.0	15.0	0.0	6.0	0.0	-271.2	560.3	558.5	5.6
1.0	15.0	6.0	0.0	0.0	-381.6	774.0	773.2	20.2
1.0	15.0	6.0	0.0	0.0	-346.6	711.0	709.3	17.1
1.0	15.0	0.0	0.0	0.0	-342.5	687.0	686.9	10.6
1.0	15.0	0.0	2.0	0.0	-251.4	513.5	512.8	4.1
1.0	15.0	0.0	0.0	0.0	-243.3	488.6	488.5	4.0
1.0	15.0	3.0	0.0	0.0	-220.4	451.4	450.7	3.3
1.0	15.0	0.0	3.0	0.0	-339.3	689.3	688.6	10.5
1.0	15.0	0.0	1.0	0.0	-141.7	295.0	293.5	12.2
0.6	15.0	2.0	1.0	0.0	-175.4	370.9	366.9	13.5
1.0	15.0	3.0	0.0	0.0	-172.3	356.1	354.6	11.5
1.0	15.0	0.0	1.0	0.0	-178.8	369.1	367.6	15.6
1.0	15.0	0.0	2.0	0.0	-123.7	258.9	257.3	3.9
1.0	15.0	2.0	1.0	0.0	-162.3	344.6	340.6	25.6
1.0	15.0	1.0	0.0	0.0	-126.8	273.6	269.6	13.5
1.0	15.0	0.0	2.0	0.0	-150.4	312.4	310.8	8.2
1.0	15.0	0.0	1.0	0.0	-103.0	217.5	216.0	1.8
1.0	15.0	2.0	0.0	0.0	-100.3	212.1	210.6	1.7
1.0	15.0	1.0	0.0	0.0	-101.0	213.6	212.1	2.2
1.0	15.0	0.0	1.0	0.0	-178.1	367.7	366.2	11.4
0.7	15.0	0.0	1.0	0.0	-123.2	258.0	256.4	5.2
0.6	15.0	1.0	0.0	0.0	-129.3	270.1	268.5	7.7
0.7	15.0	1.0	0.0	0.0	-117.7	246.9	245.3	9.5
1.0	15.0	0.0	0.0	0.0	-112.7	227.4	227.3	2.8
1.0	15.0	0.0	2.0	0.0	-123.6	258.7	257.1	4.5
1.0	15.0	1.0	2.0	0.0	-151.1	322.2	318.2	14.7
1.0	15.0	2.0	0.0	0.0	-130.9	281.8	277.8	8.8
1.0	15.0	0.0	2.0	0.0	-152.4	316.4	314.9	8.2
0.9	15.0	0.0	2.0	0.0	-105.0	221.6	220.1	5.3
1.0	15.0	0.0	0.0	0.0	-71.0	144.0	143.9	1.5
1.0	15.0	2.0	0.0	0.0	-95.5	202.5	200.9	11.3
0.9	15.0	0.0	4.0	0.0	-151.4	314.4	312.9	8.1
1.0	15.0	0.0	2.0	0.0	-133.5	278.5	277.0	8.7
1.0	15.0	0.0	0.0	0.0	-74.4	151.0	150.9	1.9
0.7	15.0	2.0	0.0	0.0	-104.8	221.1	219.6	14.6
1.0	15.0	0.0	3.0	0.0	-190.6	392.8	391.3	16.1
1.0	15.0	0.0	3.0	0.0	-135.9	283.3	281.8	4.6
1.0	15.0	0.0	2.0	0.0	-104.7	220.9	219.3	2.1
1.0	15.0	2.0	0.0	0.0	-145.6	302.8	301.2	61.8
1.0	15.0	0.0	3.0	0.0	-122.0	255.5	254.0	4.2
1.0	15.0	0.0	0.0	0.0	-111.9	225.9	225.8	3.2
1.0	15.0	3.0	0.0	0.0	-161.1	333.7	332.1	10.8
1.0	15.0	0.0	0.0	0.0	-130.9	263.8	263.7	6.4
1.0	15.0	0.0	0.0	0.0	-143.3	288.7	288.6	6.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-135.7	273.4	273.4	5.1
1.0	15.0	1.0	0.0	0.0	-131.6	274.8	273.3	5.7
1.0	15.0	1.0	0.0	0.0	-119.9	251.3	249.8	4.9
1.0	15.0	0.0	0.0	0.0	-127.5	257.2	257.1	4.7
1.0	15.0	0.0	0.0	0.0	-128.6	259.3	259.2	4.4
1.0	15.0	3.0	0.0	0.0	-185.0	381.5	380.0	20.9
1.0	15.0	2.0	0.0	0.0	-134.6	280.7	279.1	9.8
1.0	15.0	0.0	0.0	0.0	-148.1	298.3	298.2	6.2
0.9	15.0	0.0	3.0	0.0	-123.3	266.6	262.6	3.6
1.0	15.0	2.0	2.0	0.0	-165.1	350.3	346.3	10.1
1.0	15.0	4.0	1.0	0.0	-136.7	293.4	289.4	7.6
1.0	15.0	0.0	0.0	0.0	-146.7	295.5	295.4	6.7
1.0	15.0	0.0	3.0	0.0	-270.8	552.3	551.6	5.1
1.0	15.0	4.0	0.0	0.0	-339.8	690.4	689.7	29.7
1.0	15.0	4.0	0.0	0.0	-334.6	687.0	685.3	36.5
1.0	15.0	0.0	1.0	0.0	-328.8	659.6	659.5	10.4
0.6	15.0	0.0	5.0	0.0	-127.3	274.6	270.6	4.7
1.0	15.0	2.0	1.0	0.0	-172.6	365.2	361.2	16.7
1.0	15.0	4.0	1.0	0.0	-143.1	306.3	302.3	9.1
1.0	15.0	0.0	0.0	0.0	-152.3	306.8	306.7	9.7
1.0	15.0	0.0	3.0	0.0	-111.7	235.0	233.4	3.5
1.0	15.0	1.0	2.0	0.0	-83.9	179.4	177.9	1.6
1.0	15.0	2.0	0.0	0.0	-91.2	193.9	192.3	4.7
1.0	15.0	0.0	5.0	0.0	-172.1	355.7	354.2	12.7
1.0	15.0	0.0	5.0	0.0	-132.5	276.5	274.9	5.2
1.0	15.0	5.0	1.0	0.0	-165.2	350.5	346.5	14.5
1.0	15.0	6.0	0.0	0.0	-156.6	333.2	329.2	11.1
1.0	15.0	0.0	0.0	0.0	-169.7	341.4	341.3	9.3
1.0	15.0	0.0	1.0	0.0	-125.8	263.2	261.6	4.1
1.0	15.0	0.0	2.0	0.0	-146.5	304.5	302.9	5.7
1.0	15.0	1.0	0.0	0.0	-134.1	279.8	278.3	6.9
1.0	15.0	0.0	1.0	0.0	-145.4	302.2	300.7	6.0
1.0	15.0	0.0	2.0	0.0	-128.6	268.8	267.3	5.6
1.0	15.0	1.0	3.0	0.0	-172.0	363.9	359.9	25.0
1.0	15.0	2.0	0.0	0.0	-134.2	288.4	284.4	11.7
1.0	15.0	0.0	2.0	0.0	-168.2	348.0	346.5	10.3
1.0	15.0	0.0	2.0	0.0	-115.4	242.4	240.8	3.2
1.0	15.0	0.0	0.0	0.0	-62.4	126.9	126.8	1.5
0.9	15.0	1.0	0.0	0.0	-87.7	186.9	185.4	9.1
1.0	15.0	0.0	1.0	0.0	-138.5	288.6	287.1	6.3
1.0	15.0	0.0	1.0	0.0	-125.1	261.7	260.2	3.9
1.0	15.0	0.0	0.0	0.0	-89.8	181.6	181.5	4.9
0.8	15.0	1.0	0.0	0.0	-110.5	232.5	231.0	4.9
1.0	15.0	0.0	2.0	0.0	-153.2	318.0	316.5	7.7
1.0	15.0	0.0	2.0	0.0	-135.9	283.3	281.8	6.6
1.0	15.0	0.0	0.0	0.0	-71.1	144.2	144.2	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-77.8	167.1	165.6	1.8
1.0	15.0	0.0	2.0	0.0	-169.3	350.1	348.6	10.7
1.0	15.0	0.0	3.0	0.0	-115.0	241.5	240.0	3.1
1.0	15.0	0.0	1.0	0.0	-104.4	220.4	218.9	1.9
1.0	15.0	2.0	0.0	0.0	-104.1	219.7	218.1	1.9
1.0	15.0	0.0	2.0	0.0	-152.8	317.1	315.6	6.9
1.0	15.0	0.0	2.0	0.0	-136.6	284.8	283.3	6.4
1.0	15.0	2.0	1.0	0.0	-167.1	354.3	350.3	13.1
1.0	15.0	2.0	0.0	0.0	-135.2	290.5	286.5	5.8
1.0	15.0	0.0	1.0	0.0	-179.1	369.8	368.3	11.4
1.0	15.0	0.0	1.0	0.0	-110.3	232.2	230.7	2.7
1.0	15.0	0.0	0.0	0.0	-57.1	116.2	116.2	0.7
0.7	15.0	1.0	0.0	0.0	-68.9	149.3	147.7	0.7
1.0	15.0	0.0	1.0	0.0	-156.6	315.3	315.2	8.1
1.0	15.0	0.0	2.0	0.0	-110.9	233.3	231.7	2.4
1.0	15.0	0.0	1.0	0.0	-109.2	229.9	228.4	2.7
1.0	15.0	2.0	0.0	0.0	-127.9	267.3	265.8	29.7
1.0	15.0	0.0	2.0	0.0	-152.2	315.9	314.4	7.4
1.0	15.0	0.0	2.0	0.0	-131.7	274.9	273.4	4.7
1.0	15.0	1.0	0.0	0.0	-146.9	305.4	303.8	8.5
1.0	15.0	1.0	0.0	0.0	-139.7	291.0	289.4	10.1
1.0	15.0	0.0	0.0	0.0	-135.4	272.8	272.7	4.7
1.0	15.0	0.0	4.0	0.0	-134.9	281.3	279.8	4.6
1.0	15.0	7.0	0.0	0.0	-167.6	346.8	345.3	10.7
1.0	15.0	7.0	0.0	0.0	-146.2	304.0	302.5	6.4
1.0	15.0	0.0	0.0	0.0	-146.7	295.4	295.3	6.5
1.0	15.0	0.0	3.0	0.0	-116.4	244.3	242.8	3.6
1.0	15.0	5.0	0.0	0.0	-142.4	296.4	294.8	5.9
1.0	15.0	2.0	0.0	0.0	-147.6	306.8	305.3	7.0
1.0	15.0	0.0	0.0	0.0	-134.9	272.0	271.9	5.6
1.0	15.0	0.0	3.0	0.0	-120.8	253.2	251.7	3.3
0.8	15.0	3.0	0.0	0.0	-168.4	348.3	346.7	10.6
0.9	15.0	3.0	0.0	0.0	-133.9	279.3	277.8	6.3
1.0	15.0	0.0	0.0	0.0	-151.0	304.1	304.0	7.8
1.0	15.0	0.0	3.0	0.0	-116.5	244.7	243.1	3.6
1.0	15.0	3.0	0.0	0.0	-171.2	354.0	352.4	14.1
1.0	15.0	4.0	0.0	0.0	-135.3	282.1	280.5	8.2
1.0	15.0	0.0	0.0	0.0	-143.1	288.3	288.2	6.1
0.8	15.0	0.0	2.0	0.0	-145.4	302.3	300.7	6.4
0.9	15.0	6.0	0.0	0.0	-146.5	313.0	309.0	11.9
1.0	15.0	6.0	0.0	0.0	-143.5	307.0	303.0	10.4
1.0	15.0	0.0	0.0	0.0	-163.2	328.4	328.3	8.8
1.0	15.0	0.0	3.0	0.0	-116.0	243.6	242.0	3.2
1.0	15.0	5.0	0.0	0.0	-143.6	298.7	297.2	5.5
1.0	15.0	4.0	0.0	0.0	-143.2	297.9	296.4	6.9
1.0	15.0	0.0	0.0	0.0	-117.9	237.8	237.7	3.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-122.3	256.2	254.6	3.6
0.8	15.0	6.0	0.0	0.0	-165.2	350.4	346.3	11.4
1.0	15.0	2.0	0.0	0.0	-140.0	291.6	290.0	6.0
1.0	15.0	0.0	1.0	0.0	-170.2	342.6	342.5	10.1
1.0	15.0	0.0	7.0	0.0	-117.7	246.9	245.4	3.4
1.0	15.0	6.0	0.0	0.0	-147.3	314.6	310.6	7.3
1.0	15.0	6.0	0.0	0.0	-153.7	327.3	323.3	8.2
0.8	15.0	0.0	8.0	0.0	-127.2	274.4	270.4	4.8
1.0	15.0	3.0	0.0	0.0	-118.4	248.4	246.8	3.8
1.0	15.0	3.0	0.0	0.0	-152.8	317.1	315.5	8.1
1.0	15.0	0.0	0.0	0.0	-138.0	278.1	278.0	7.5
1.0	15.0	0.0	0.0	0.0	-143.1	288.2	288.1	6.2
1.0	15.0	0.0	2.0	0.0	-128.2	268.0	266.5	4.3
1.0	15.0	9.0	0.0	0.0	-156.5	332.9	328.9	10.8
1.0	15.0	9.0	0.0	0.0	-143.1	306.3	302.3	8.4
1.0	15.0	0.0	9.0	0.0	-148.4	308.2	306.7	9.8
0.9	15.0	0.0	7.0	0.0	-128.0	276.0	272.0	5.3
1.0	15.0	6.0	0.0	0.0	-137.0	294.1	290.1	5.3
1.0	15.0	7.0	0.0	0.0	-154.0	328.1	324.1	7.8
1.0	15.0	0.0	7.0	0.0	-147.0	305.5	304.0	6.5
1.0	15.0	0.0	1.0	0.0	-120.2	252.0	250.5	3.6
1.0	15.0	0.0	0.0	0.0	-145.6	293.3	293.2	8.6
1.0	15.0	1.0	0.0	0.0	-121.5	254.5	252.9	6.6
1.0	15.0	0.0	1.0	0.0	-126.5	264.5	263.0	4.4
1.0	15.0	0.0	0.0	0.0	-120.4	242.9	242.8	3.7
1.0	15.0	2.0	0.0	0.0	-165.2	350.5	346.5	26.7
1.0	15.0	3.0	0.0	0.0	-137.8	295.7	291.7	13.8
1.0	15.0	0.0	1.0	0.0	-164.0	339.6	338.0	9.0
1.0	15.0	0.0	1.0	0.0	-122.0	255.6	254.0	4.6
1.0	15.0	0.0	0.0	0.0	-89.8	181.8	181.7	2.5
1.0	15.0	1.0	0.0	0.0	-86.4	184.3	182.8	4.3
1.0	15.0	0.0	1.0	0.0	-158.3	328.2	326.7	7.8
1.0	15.0	0.0	5.0	0.0	-116.6	244.8	243.3	3.2
1.0	15.0	9.0	0.0	0.0	-156.9	325.3	323.8	8.2
1.0	15.0	9.0	0.0	0.0	-155.6	322.6	321.1	7.6
1.0	15.0	0.0	0.0	0.0	-148.3	298.7	298.6	6.3
0.8	15.0	0.0	4.0	0.0	-120.9	261.8	257.8	3.6
1.0	15.0	3.0	0.0	0.0	-164.6	349.3	345.3	10.4
1.0	15.0	3.0	0.0	0.0	-148.7	317.3	313.3	7.1
1.0	15.0	0.0	0.0	0.0	-168.9	339.9	339.8	9.6
1.0	15.0	0.0	2.0	0.0	-140.7	283.5	283.4	5.1
1.0	15.0	3.0	0.0	0.0	-127.3	274.5	270.5	7.6
1.0	15.0	3.0	0.0	0.0	-120.2	260.4	256.4	4.9
1.0	15.0	0.0	0.0	0.0	-153.3	308.8	308.7	7.0
1.0	15.0	0.0	0.0	0.0	-128.5	259.1	259.0	5.4
1.0	15.0	2.0	0.0	0.0	-140.6	292.8	291.3	6.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-129.1	269.8	268.3	5.3
1.0	15.0	0.0	0.0	0.0	-133.6	269.4	269.3	5.1
1.0	15.0	0.0	2.0	0.0	-129.8	271.1	269.5	4.2
0.8	15.0	2.0	0.0	0.0	-148.7	317.4	313.4	12.4
1.0	15.0	2.0	0.0	0.0	-140.1	291.7	290.2	12.6
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	4.5
1.0	15.0	0.0	0.0	0.0	-108.8	219.8	219.7	3.7
1.0	15.0	1.0	0.0	0.0	-103.0	217.6	216.0	1.8
1.0	15.0	1.0	0.0	0.0	-96.5	204.6	203.1	1.1
1.0	15.0	0.0	0.0	0.0	-161.8	325.6	325.5	8.1
1.0	15.0	0.0	0.0	0.0	-117.9	237.9	237.8	3.2
1.0	15.0	1.0	0.0	0.0	-103.7	218.9	217.3	2.3
0.7	15.0	2.0	0.0	0.0	-105.7	222.9	221.4	2.4
1.0	15.0	0.0	0.0	0.0	-145.5	293.2	293.1	5.8
1.0	15.0	0.0	0.0	0.0	-257.6	517.3	517.3	4.0
1.0	15.0	2.0	0.0	0.0	-261.5	533.8	533.1	6.7
1.0	15.0	1.0	0.0	0.0	-240.1	490.9	490.1	4.6
1.0	15.0	0.0	0.0	0.0	-343.2	688.4	688.3	9.7
1.0	15.0	0.0	3.0	0.0	-118.8	249.1	247.6	3.6
1.0	15.0	3.0	0.0	0.0	-152.6	316.7	315.2	9.3
1.0	15.0	3.0	0.0	0.0	-147.8	307.1	305.6	6.6
1.0	15.0	0.0	0.0	0.0	-138.8	279.6	279.5	5.1
1.0	15.0	0.0	0.0	0.0	-129.9	261.8	261.7	4.7
1.0	15.0	2.0	0.0	0.0	-148.4	308.3	306.8	8.9
1.0	15.0	2.0	0.0	0.0	-124.2	259.9	258.4	5.3
1.0	15.0	0.0	0.0	0.0	-126.6	255.3	255.2	4.9
1.0	15.0	0.0	1.0	0.0	-130.9	273.4	271.8	5.0
1.0	15.0	2.0	0.0	0.0	-143.6	298.8	297.3	6.5
1.0	15.0	2.0	0.0	0.0	-136.6	284.8	283.3	5.9
1.0	15.0	0.0	1.0	0.0	-154.0	310.1	310.0	8.6
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	7.5
1.0	15.0	1.0	0.0	0.0	-157.5	317.1	317.1	12.1
1.0	15.0	1.0	0.0	0.0	-146.0	303.5	301.9	8.4
1.0	15.0	0.0	0.0	0.0	-147.5	297.0	296.9	6.4
1.0	15.0	0.0	0.0	0.0	-165.4	332.8	332.7	10.6
1.0	15.0	4.0	0.0	0.0	-195.9	403.4	401.8	30.7
1.0	15.0	1.0	0.0	0.0	-143.2	297.9	296.4	13.8
1.0	15.0	0.0	0.0	0.0	-175.3	352.6	352.5	14.2
1.0	15.0	0.0	1.0	0.0	-122.1	246.4	246.3	6.3
1.0	15.0	2.0	0.0	0.0	-128.0	267.6	266.1	4.8
1.0	15.0	2.0	0.0	0.0	-123.6	258.6	257.1	4.8
1.0	15.0	0.0	0.0	0.0	-149.9	301.9	301.8	8.6
1.0	15.0	0.0	0.0	0.0	-144.7	291.5	291.4	6.0
1.0	15.0	1.0	2.0	0.0	-159.0	338.0	334.0	8.6
1.0	15.0	1.0	1.0	0.0	-139.1	298.3	294.3	6.7
1.0	15.0	0.0	1.0	0.0	-146.2	303.9	302.4	6.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-119.0	249.4	247.9	3.5
1.0	15.0	0.0	0.0	0.0	-116.1	234.3	234.2	3.0
1.0	15.0	1.0	0.0	0.0	-87.2	185.9	184.4	1.5
1.0	15.0	0.0	3.0	0.0	-182.1	366.3	366.2	13.2
1.0	15.0	0.0	2.0	0.0	-132.3	276.2	274.6	4.9
1.0	15.0	1.0	0.0	0.0	-184.2	370.4	370.3	13.1
1.0	15.0	2.0	0.0	0.0	-175.4	362.4	360.9	12.0
1.0	15.0	0.0	1.0	0.0	-150.2	302.4	302.3	10.6
1.0	15.0	0.0	2.0	0.0	-122.0	255.6	254.0	3.4
1.0	15.0	2.0	0.0	0.0	-157.0	325.5	323.9	7.9
1.0	15.0	2.0	0.0	0.0	-147.2	306.0	304.5	8.0
1.0	15.0	0.0	0.0	0.0	-147.3	296.6	296.5	6.2
1.0	15.0	0.0	2.0	0.0	-108.7	229.0	227.5	2.6
0.9	15.0	3.0	0.0	0.0	-161.2	334.0	332.5	8.9
1.0	15.0	2.0	0.0	0.0	-116.3	244.2	242.7	2.9
1.0	15.0	0.0	0.0	0.0	-145.3	292.6	292.5	6.0
1.0	15.0	0.0	0.0	0.0	-141.4	284.9	284.8	5.9
0.9	15.0	1.0	0.0	0.0	-157.4	326.3	324.7	12.5
1.0	15.0	1.0	0.0	0.0	-139.9	282.0	281.9	11.1
1.0	15.0	0.0	0.0	0.0	-155.6	313.4	313.3	7.2
1.0	15.0	0.0	2.0	0.0	-273.0	556.7	555.9	6.1
1.0	15.0	2.0	0.0	0.0	-328.9	668.4	667.7	12.2
1.0	15.0	2.0	0.0	0.0	-291.3	593.3	592.5	8.4
1.0	15.0	0.0	0.0	0.0	-276.1	554.3	554.3	13.7
1.0	15.0	0.0	0.0	0.0	-146.2	294.6	294.5	6.3
1.0	15.0	1.0	0.0	0.0	-136.5	284.5	283.0	4.5
1.0	15.0	1.0	0.0	0.0	-128.8	269.2	267.6	4.6
1.0	15.0	0.0	0.0	0.0	-135.6	273.4	273.3	4.7
1.0	15.0	0.0	2.0	0.0	-146.6	304.8	303.3	6.4
1.0	15.0	3.0	0.0	0.0	-106.5	224.6	223.0	6.1
1.0	15.0	3.0	0.0	0.0	-101.1	213.8	212.3	5.3
1.0	15.0	1.0	0.0	0.0	-140.1	282.3	282.2	6.7
1.0	15.0	0.0	2.0	0.0	-126.3	264.1	262.5	4.4
1.0	15.0	2.0	0.0	0.0	-159.1	329.7	328.2	8.9
1.0	15.0	2.0	0.0	0.0	-129.5	270.6	269.1	4.4
1.0	15.0	0.0	0.0	0.0	-166.9	335.8	335.7	9.4
1.0	15.0	0.0	0.0	0.0	-120.2	242.5	242.4	3.1
0.9	15.0	2.0	0.0	0.0	-181.2	364.6	364.5	14.2
1.0	15.0	2.0	0.0	0.0	-126.7	273.5	269.5	5.2
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	4.6
1.0	15.0	0.0	0.0	0.0	-132.7	267.4	267.4	8.6
1.0	15.0	0.0	0.0	0.0	-172.3	346.6	346.5	12.4
1.0	15.0	2.0	0.0	0.0	-126.8	265.1	263.5	6.0
1.0	15.0	0.0	0.0	0.0	-170.6	343.3	343.2	12.0
1.0	15.0	0.0	0.0	0.0	-139.4	280.8	280.7	5.9
1.0	15.0	1.0	0.0	0.0	-166.4	344.3	342.8	16.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-136.8	285.1	283.5	9.3
1.0	15.0	0.0	1.0	0.0	-165.7	333.5	333.4	12.9
1.0	15.0	0.0	3.0	0.0	-161.3	334.2	332.7	9.6
0.7	15.0	3.0	0.0	0.0	-178.7	377.7	373.3	21.9
0.9	15.0	3.0	0.0	0.0	-180.5	372.6	370.9	25.1
1.0	15.0	0.0	0.0	0.0	-150.5	303.2	303.1	7.8
1.0	15.0	0.0	0.0	0.0	-129.1	260.2	260.1	4.7
0.9	15.0	1.0	3.0	0.0	-169.8	359.7	355.7	12.1
1.0	15.0	0.0	1.0	0.0	-130.0	271.6	270.1	6.6
1.0	15.0	0.0	1.0	0.0	-139.9	291.4	289.8	5.9
1.0	15.0	0.0	2.0	0.0	-114.5	240.6	239.0	3.1
1.0	15.0	2.0	0.0	0.0	-129.2	269.9	268.4	4.3
1.0	15.0	2.0	0.0	0.0	-123.6	258.8	257.3	4.2
1.0	15.0	0.0	0.0	0.0	-137.6	277.4	277.3	6.4
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.5	4.3
1.0	15.0	1.0	0.0	0.0	-105.6	222.7	221.2	3.3
1.0	15.0	1.0	0.0	0.0	-108.2	227.8	226.3	2.4
1.0	15.0	0.0	1.0	0.0	-145.4	292.9	292.8	12.2
1.0	15.0	0.0	0.0	0.0	-138.2	278.5	278.4	6.6
1.0	15.0	1.0	0.0	0.0	-164.2	339.9	338.4	10.2
1.0	15.0	1.0	1.0	0.0	-146.6	304.8	303.2	8.4
1.0	15.0	1.0	0.0	0.0	-174.6	351.3	351.2	12.6
1.0	15.0	0.0	2.0	0.0	-117.7	246.9	245.4	3.3
1.0	15.0	1.0	0.0	0.0	-100.0	211.5	209.9	1.5
1.0	15.0	1.0	0.0	0.0	-83.4	178.3	176.7	1.7
1.0	15.0	0.0	0.0	0.0	-151.0	304.2	304.1	7.4
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	6.0
1.0	15.0	3.0	6.0	0.0	-177.4	374.8	370.8	19.3
1.0	15.0	2.0	1.0	0.0	-168.1	347.7	346.1	14.1
1.0	15.0	0.0	0.0	0.0	-159.1	320.3	320.2	7.7
1.0	15.0	0.0	0.0	0.0	-115.6	233.2	233.1	3.0
0.6	15.0	1.0	0.0	0.0	-98.1	207.8	206.3	1.3
1.0	15.0	1.0	0.0	0.0	-77.8	167.1	165.6	0.9
1.0	15.0	0.0	0.0	0.0	-175.3	352.7	352.6	10.7
1.0	15.0	0.0	2.0	0.0	-110.8	233.2	231.6	2.6
0.8	15.0	3.0	0.0	0.0	-125.9	271.7	267.7	5.0
1.0	15.0	2.0	0.0	0.0	-123.8	259.2	257.7	4.4
1.0	15.0	0.0	0.0	0.0	-153.1	308.3	308.2	7.3
1.0	15.0	0.0	2.0	0.0	-123.8	259.2	257.7	4.0
0.9	15.0	2.0	0.0	0.0	-149.2	309.9	308.4	7.0
1.0	15.0	2.0	0.0	0.0	-110.3	232.1	230.5	2.6
1.0	15.0	0.0	0.0	0.0	-162.9	328.0	327.9	8.4
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	6.4
1.0	15.0	1.0	0.0	0.0	-184.0	379.6	378.1	13.5
1.0	15.0	3.0	0.0	0.0	-168.1	347.7	346.2	10.1
1.0	15.0	0.0	0.0	0.0	-182.9	367.8	367.7	13.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-129.5	261.0	260.9	4.0
1.0	15.0	3.0	0.0	0.0	-107.6	226.8	225.2	4.0
1.0	15.0	2.0	0.0	0.0	-98.4	208.3	206.7	3.4
1.0	15.0	0.0	0.0	0.0	-183.0	368.1	368.0	14.7
0.9	15.0	0.0	4.0	0.0	-148.8	309.1	307.6	8.4
1.0	15.0	2.0	2.0	0.0	-141.3	302.5	298.5	7.7
1.0	15.0	3.0	0.0	0.0	-151.8	315.2	313.6	11.8
1.0	15.0	0.0	2.0	0.0	-141.5	294.6	293.0	7.6
1.0	15.0	1.0	1.0	0.0	-135.6	282.8	281.3	5.1
1.0	15.0	2.0	0.0	0.0	-167.4	354.8	350.8	15.7
1.0	15.0	3.0	0.0	0.0	-126.9	265.3	263.8	6.5
1.0	15.0	0.0	1.0	0.0	-144.4	300.4	298.9	6.4
1.0	15.0	0.0	1.0	0.0	-143.9	299.3	297.7	6.2
1.0	15.0	0.0	0.0	0.0	-115.3	232.6	232.5	4.5
0.8	15.0	1.0	0.0	0.0	-130.0	271.6	270.1	17.1
1.0	15.0	0.0	1.0	0.0	-176.0	363.6	362.1	11.2
0.9	15.0	0.0	2.0	0.0	-107.0	225.6	224.1	2.4
1.0	15.0	0.0	0.0	0.0	-85.4	172.8	172.7	1.9
1.0	15.0	2.0	0.0	0.0	-93.5	198.6	197.1	6.6
0.9	15.0	0.0	2.0	0.0	-153.4	318.4	316.8	8.6
1.0	15.0	0.0	1.0	0.0	-142.7	297.0	295.4	6.9
1.0	15.0	0.0	0.0	0.0	-101.1	204.2	204.1	3.4
1.0	15.0	1.0	0.0	0.0	-110.8	233.1	231.5	6.3
1.0	15.0	0.0	2.0	0.0	-160.9	333.4	331.8	7.8
1.0	15.0	0.0	1.0	0.0	-128.8	269.2	267.6	4.4
1.0	15.0	0.0	0.0	0.0	-67.7	137.5	137.5	1.9
1.0	15.0	1.0	0.0	0.0	-68.0	147.6	146.1	1.1
1.0	15.0	0.0	1.0	0.0	-155.6	322.8	321.2	11.8
1.0	15.0	0.0	2.0	0.0	-125.1	261.8	260.3	3.9
1.0	15.0	0.0	2.0	0.0	-111.1	233.8	232.2	2.5
1.0	15.0	1.0	0.0	0.0	-113.8	239.1	237.6	12.5
1.0	15.0	0.0	2.0	0.0	-171.5	354.4	352.9	10.0
1.0	15.0	0.0	3.0	0.0	-144.2	300.0	298.5	6.7
1.0	15.0	1.0	2.0	0.0	-138.9	297.7	293.7	7.6
1.0	15.0	1.0	0.0	0.0	-160.2	340.3	336.3	9.6
1.0	15.0	0.0	2.0	0.0	-129.6	270.8	269.3	10.2
1.0	15.0	0.0	0.0	0.0	-135.5	273.0	272.9	5.8
1.0	15.0	3.0	1.0	0.0	-189.4	398.9	394.9	37.5
1.0	15.0	3.0	2.0	0.0	-161.2	342.4	338.4	14.6
1.0	15.0	0.0	5.0	0.0	-157.3	326.2	324.6	10.3
0.9	15.0	0.0	4.0	0.0	-132.4	276.4	274.9	6.5
1.0	15.0	2.0	0.0	0.0	-125.1	270.2	266.2	9.1
1.0	15.0	6.0	0.0	0.0	-127.9	275.7	271.7	13.2
1.0	15.0	0.0	5.0	0.0	-173.3	358.1	356.6	19.4
0.9	15.0	0.0	3.0	0.0	-136.5	284.6	283.0	5.4
1.0	15.0	0.0	0.0	0.0	-69.8	141.7	141.6	1.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	2.0	0.0	0.0	-77.6	166.7	165.2	1.7
1.0	15.0	1.0	3.0	0.0	-178.6	368.9	367.2	20.7
1.0	15.0	0.0	2.0	0.0	-128.0	267.5	266.0	5.1
1.0	15.0	2.0	2.0	0.0	-179.3	378.5	374.5	27.4
1.0	15.0	2.0	0.0	0.0	-169.4	358.8	354.8	26.5
1.0	15.0	0.0	0.0	0.0	-161.7	325.5	325.4	13.9
1.0	15.0	0.0	0.0	0.0	-131.1	264.2	264.1	4.6
0.9	15.0	5.0	0.0	0.0	-164.3	348.6	344.6	13.8
1.0	15.0	5.0	0.0	0.0	-139.9	299.8	295.8	5.6
1.0	15.0	0.0	1.0	0.0	-185.3	372.7	372.6	16.9
1.0	15.0	0.0	3.0	0.0	-130.2	272.0	270.5	4.4
1.0	15.0	1.0	0.0	0.0	-110.4	240.9	236.9	7.9
1.0	15.0	3.0	0.0	0.0	-110.3	240.6	236.6	6.0
1.0	15.0	0.0	4.0	0.0	-134.1	280.0	278.2	9.7
1.0	15.0	0.0	0.0	0.0	-130.2	262.5	262.4	5.9
1.0	15.0	2.0	0.0	0.0	-147.7	306.9	305.4	7.2
1.0	15.0	2.0	0.0	0.0	-113.2	237.9	236.4	2.7
1.0	15.0	0.0	0.0	0.0	-150.6	303.3	303.2	7.6
1.0	15.0	0.0	1.0	0.0	-127.2	266.0	264.5	4.6
1.0	15.0	1.0	2.0	0.0	-145.3	302.0	300.5	6.5
1.0	15.0	1.0	0.0	0.0	-120.7	253.0	251.4	3.8
1.0	15.0	0.0	1.0	0.0	-145.3	302.2	300.7	6.9
1.0	15.0	0.0	2.0	0.0	-117.0	245.4	243.9	3.2
1.0	15.0	2.0	1.0	0.0	-154.3	328.6	324.6	10.4
1.0	15.0	3.0	0.0	0.0	-135.4	282.3	280.8	6.6
1.0	15.0	0.0	1.0	0.0	-123.8	259.1	257.5	4.0
1.0	15.0	0.0	1.0	0.0	-116.4	244.3	242.8	3.1
1.0	15.0	0.0	1.0	0.0	-101.3	214.1	212.5	1.6
1.0	15.0	1.0	0.0	0.0	-103.8	219.2	217.7	3.5
1.0	15.0	0.0	1.0	0.0	-149.2	309.9	308.3	6.4
1.0	15.0	0.0	5.0	0.0	-135.3	282.1	280.5	4.6
1.0	15.0	7.0	4.0	0.0	-132.6	285.1	281.1	4.9
1.0	15.0	11.0	0.0	0.0	-194.6	400.7	399.2	18.1
1.0	15.0	0.0	5.0	0.0	-156.0	323.6	322.1	8.4
1.0	15.0	0.0	0.0	0.0	-139.0	280.0	279.9	6.2
1.0	15.0	2.0	0.0	0.0	-161.2	334.0	332.5	12.5
1.0	15.0	2.0	0.0	0.0	-125.3	262.1	260.6	5.4
1.0	15.0	0.0	0.0	0.0	-147.7	297.5	297.4	6.1
1.0	15.0	0.0	3.0	0.0	-122.9	257.3	255.7	3.8
1.0	15.0	3.0	0.0	0.0	-152.5	316.6	315.1	8.2
1.0	15.0	3.0	0.0	0.0	-124.1	259.8	258.2	3.9
1.0	15.0	0.0	0.0	0.0	-180.5	363.1	363.0	12.4
1.0	15.0	0.0	0.0	0.0	-134.3	270.7	270.6	4.4
1.0	15.0	8.0	0.0	0.0	-131.3	282.6	278.6	6.0
1.0	15.0	8.0	0.0	0.0	-122.5	265.0	261.0	4.7
1.0	15.0	0.0	2.0	0.0	-138.8	289.2	287.7	5.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-125.6	262.7	261.2	4.6
0.6	15.0	3.0	0.0	0.0	-180.6	381.2	377.2	19.2
1.0	15.0	4.0	0.0	0.0	-155.3	322.2	320.6	12.1
1.0	15.0	0.0	0.0	0.0	-140.4	282.9	282.8	5.4
1.0	15.0	0.0	4.0	0.0	-125.5	262.5	261.0	3.8
1.0	15.0	0.0	0.0	0.0	-75.1	152.2	152.1	1.3
1.0	15.0	3.0	0.0	0.0	-101.2	213.9	212.4	1.7
1.0	15.0	0.0	0.0	0.0	-150.4	302.8	302.7	6.7
0.9	15.0	0.0	2.0	0.0	-136.1	283.8	282.2	5.0
1.0	15.0	4.0	0.0	0.0	-149.9	311.3	309.8	6.9
1.0	15.0	4.0	0.0	0.0	-144.5	300.6	299.1	7.7
1.0	15.0	0.0	0.0	0.0	-141.9	285.8	285.7	5.8
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	5.0
1.0	15.0	2.0	0.0	0.0	-149.5	310.5	308.9	6.7
1.0	15.0	2.0	0.0	0.0	-143.5	298.5	297.0	6.6
1.0	15.0	0.0	0.0	0.0	-124.3	250.8	250.7	4.0
1.0	15.0	0.0	0.0	0.0	-137.3	276.7	276.6	4.6
1.0	15.0	4.0	0.0	0.0	-165.9	343.3	341.8	15.6
1.0	15.0	4.0	0.0	0.0	-137.1	285.8	284.2	8.1
1.0	15.0	0.0	0.0	0.0	-158.9	320.0	319.9	9.5
1.0	15.0	0.0	2.0	0.0	-126.6	264.7	263.2	3.9
1.0	15.0	2.0	1.0	0.0	-157.9	335.8	331.8	9.3
1.0	15.0	2.0	0.0	0.0	-150.2	320.4	316.4	9.7
1.0	15.0	0.0	1.0	0.0	-158.0	318.1	318.0	10.7
1.0	15.0	0.0	0.0	0.0	-142.7	287.6	287.5	5.9
1.0	15.0	1.0	0.0	0.0	-157.0	325.6	324.0	10.0
1.0	15.0	1.0	0.0	0.0	-124.1	259.8	258.3	10.9
1.0	15.0	0.0	0.0	0.0	-166.3	334.8	334.7	9.3
1.0	15.0	0.0	0.0	0.0	-118.4	238.9	238.8	3.7
0.9	15.0	1.0	0.0	0.0	-113.4	238.3	236.8	5.2
0.9	15.0	1.0	0.0	0.0	-116.2	243.9	242.3	5.2
1.0	15.0	0.0	1.0	0.0	-139.9	282.0	281.9	9.6
1.0	15.0	0.0	0.0	0.0	-123.1	248.4	248.3	3.8
0.7	15.0	3.0	0.0	0.0	-165.0	350.1	346.1	19.6
1.0	15.0	2.0	0.0	0.0	-136.2	284.0	282.5	10.6
1.0	15.0	0.0	0.0	0.0	-155.3	312.6	312.5	12.3
1.0	15.0	0.0	3.0	0.0	-129.8	271.2	269.7	5.2
0.5	15.0	5.0	0.0	0.0	-155.7	331.3	327.3	10.1
0.9	15.0	3.0	0.0	0.0	-126.9	273.9	269.9	4.6
1.0	15.0	0.0	0.0	0.0	-159.7	321.4	321.3	8.1
1.0	15.0	0.0	0.0	0.0	-130.4	263.0	262.9	4.8
1.0	15.0	1.0	0.0	0.0	-102.5	216.5	214.9	1.8
1.0	15.0	1.0	0.0	0.0	-79.2	169.9	168.4	1.5
1.0	15.0	0.0	0.0	0.0	-171.4	344.8	344.8	9.8
1.0	15.0	0.0	2.0	0.0	-132.8	277.1	275.6	4.8
1.0	15.0	0.0	0.0	0.0	-96.8	195.7	195.6	3.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-106.1	223.8	222.3	2.2
1.0	15.0	0.0	0.0	0.0	-176.2	354.4	354.3	12.2
1.0	15.0	0.0	1.0	0.0	-111.0	233.5	232.0	3.0
1.0	15.0	0.0	0.0	0.0	-108.9	219.8	219.7	3.1
0.6	15.0	1.0	0.0	0.0	-85.7	183.0	181.4	3.3
1.0	15.0	0.0	0.0	0.0	-176.7	355.4	355.3	11.3
1.0	15.0	0.0	2.0	0.0	-127.3	266.1	264.5	4.9
1.0	15.0	3.0	0.0	0.0	-118.5	248.5	247.0	5.7
1.0	15.0	3.0	0.0	0.0	-116.1	243.8	242.3	5.1
1.0	15.0	0.0	0.0	0.0	-137.4	277.0	276.9	5.4
1.0	15.0	1.0	1.0	0.0	-144.8	301.1	299.6	11.2
1.0	15.0	2.0	2.0	0.0	-158.1	336.2	332.2	15.5
0.9	15.0	2.0	2.0	0.0	-135.3	290.6	286.6	7.5
1.0	15.0	0.0	2.0	0.0	-140.4	292.3	290.8	6.3
1.0	15.0	0.0	1.0	0.0	-146.7	305.0	303.5	7.1
1.0	15.0	0.0	0.0	0.0	-75.1	152.3	152.3	1.3
1.0	15.0	1.0	0.0	0.0	-97.4	206.3	204.8	8.8
1.0	15.0	0.0	2.0	0.0	-158.4	328.4	326.8	8.0
1.0	15.0	0.0	0.0	0.0	-108.8	219.8	219.7	3.5
1.0	15.0	2.0	0.0	0.0	-155.0	321.5	319.9	9.0
1.0	15.0	0.0	0.0	0.0	-139.8	281.6	281.5	7.7
1.0	15.0	0.0	0.0	0.0	-151.3	304.6	304.5	7.6
1.0	15.0	0.0	1.0	0.0	-103.3	218.2	216.7	1.9
1.0	15.0	2.0	0.0	0.0	-130.0	271.6	270.1	4.3
1.0	15.0	2.0	0.0	0.0	-119.7	250.9	249.4	3.4
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.2	5.4
1.0	15.0	0.0	1.0	0.0	-129.8	271.2	269.6	5.2
1.0	15.0	3.0	0.0	0.0	-131.5	274.5	273.0	8.1
1.0	15.0	3.0	0.0	0.0	-121.3	254.2	252.7	7.1
1.0	15.0	0.0	0.0	0.0	-169.2	340.5	340.4	9.4
0.9	15.0	0.0	4.0	0.0	-131.0	273.6	272.1	6.7
1.0	15.0	4.0	3.0	0.0	-151.5	323.0	319.0	8.2
1.0	15.0	4.0	0.0	0.0	-155.2	321.9	320.4	9.8
0.9	15.0	0.0	3.0	0.0	-145.6	302.8	301.2	5.9
1.0	15.0	0.0	3.0	0.0	-125.3	262.2	260.6	8.3
1.0	15.0	0.0	0.0	0.0	-80.0	162.0	161.9	1.6
1.0	15.0	3.0	0.0	0.0	-101.9	223.9	219.9	8.3
1.0	15.0	0.0	3.0	0.0	-133.3	278.2	276.7	9.0
1.0	15.0	0.0	5.0	0.0	-129.3	270.1	268.6	7.1
0.8	15.0	3.0	2.0	0.0	-204.7	429.5	425.5	34.8
0.8	15.0	3.0	0.0	0.0	-205.6	413.4	413.3	36.4
1.0	15.0	1.0	1.0	0.0	-183.0	368.1	368.0	23.2
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	7.3
1.0	15.0	3.0	0.0	0.0	-162.4	336.3	334.7	18.1
1.0	15.0	2.0	0.0	0.0	-116.6	244.7	243.2	5.3
1.0	15.0	0.0	0.0	0.0	-148.9	299.8	299.7	11.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-134.7	271.5	271.4	4.6
1.0	15.0	7.0	0.0	0.0	-143.2	297.9	296.4	8.7
1.0	15.0	7.0	0.0	0.0	-135.1	281.8	280.3	6.7
1.0	15.0	0.0	7.0	0.0	-172.4	364.9	360.9	13.8
1.0	15.0	0.0	3.0	0.0	-125.9	263.3	261.7	4.2
1.0	15.0	3.0	0.0	0.0	-155.8	323.2	321.6	14.9
1.0	15.0	3.0	0.0	0.0	-149.7	310.9	309.3	17.4
1.0	15.0	0.0	0.0	0.0	-141.7	285.4	285.3	5.9
1.0	15.0	0.0	0.0	0.0	-118.3	238.7	238.6	3.7
1.0	15.0	4.0	0.0	0.0	-164.6	340.7	339.1	9.6
1.0	15.0	2.0	0.0	0.0	-125.4	262.4	260.9	6.1
1.0	15.0	0.0	0.0	0.0	-147.7	297.4	297.3	6.2
0.6	15.0	2.0	0.0	0.0	-134.1	279.7	278.1	4.7
1.0	15.0	3.0	0.0	0.0	-120.3	252.2	250.7	17.3
1.0	15.0	3.0	0.0	0.0	-120.2	252.0	250.5	8.2
1.0	15.0	0.0	1.0	0.0	-167.6	337.3	337.2	14.2
1.0	15.0	0.0	0.0	0.0	-120.2	242.5	242.4	3.9
1.0	15.0	1.0	0.0	0.0	-120.0	251.4	249.9	7.4
1.0	15.0	2.0	0.0	0.0	-113.9	239.4	237.8	5.6
1.0	15.0	0.0	0.0	0.0	-156.2	314.4	314.3	7.1
1.0	15.0	3.0	0.0	0.0	-132.5	276.5	275.0	5.2
1.0	15.0	1.0	0.0	0.0	-122.5	256.6	255.1	5.8
1.0	15.0	0.0	0.0	0.0	-123.1	248.2	248.1	6.0
1.0	15.0	0.0	0.0	0.0	-165.5	333.0	332.9	9.3
1.0	15.0	0.0	0.0	0.0	-117.8	237.8	237.7	3.4
1.0	15.0	4.0	0.0	0.0	-129.7	270.9	269.4	4.6
1.0	15.0	3.0	0.0	0.0	-123.8	259.1	257.5	4.0
1.0	15.0	0.0	0.0	0.0	-151.4	305.0	304.9	6.6
1.0	15.0	0.0	4.0	0.0	-152.2	316.0	314.5	6.9
1.0	15.0	4.0	1.0	0.0	-178.8	377.6	373.6	13.2
1.0	15.0	5.0	0.0	0.0	-174.2	368.4	364.4	11.8
1.0	15.0	0.0	0.0	0.0	-153.8	309.8	309.7	8.0
1.0	15.0	0.0	2.0	0.0	-127.2	266.0	264.5	8.0
1.0	15.0	1.0	0.0	0.0	-162.1	326.3	326.2	13.8
1.0	15.0	2.0	0.0	0.0	-140.6	292.7	291.1	9.5
1.0	15.0	0.0	1.0	0.0	-162.3	326.7	326.6	10.1
1.0	15.0	0.0	7.0	0.0	-152.1	315.7	314.2	7.2
1.0	15.0	6.0	0.0	0.0	-167.5	354.9	350.9	12.4
1.0	15.0	5.0	0.0	0.0	-163.8	347.5	343.5	13.4
1.0	15.0	1.0	1.0	0.0	-156.6	324.7	323.1	10.7
1.0	15.0	1.0	0.0	0.0	-171.6	354.6	353.1	12.1
0.9	15.0	2.0	1.0	0.0	-187.5	395.0	391.0	23.8
1.0	15.0	2.0	1.0	0.0	-159.0	337.9	333.9	13.3
1.0	15.0	0.0	5.0	0.0	-184.0	379.6	378.1	14.2
0.8	15.0	1.0	0.0	0.0	-148.7	308.9	307.4	7.5
1.0	15.0	2.0	0.0	0.0	-129.6	270.8	269.3	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	1.0	0.0	0.0	-130.4	280.8	276.8	5.0
1.0	15.0	2.0	0.0	0.0	-199.0	400.1	400.0	23.8
1.0	15.0	0.0	0.0	0.0	-133.2	268.4	268.3	5.4
1.0	15.0	2.0	0.0	0.0	-139.1	298.2	294.2	11.9
1.0	15.0	2.0	0.0	0.0	-137.7	295.5	291.5	11.5
1.0	15.0	0.0	0.0	0.0	-166.8	335.8	335.7	12.0
1.0	15.0	0.0	3.0	0.0	-157.2	326.0	324.4	8.9
1.0	15.0	4.0	0.0	0.0	-154.4	320.3	318.8	10.2
1.0	15.0	4.0	0.0	0.0	-152.2	316.0	314.5	8.3
1.0	15.0	0.0	1.0	0.0	-159.1	320.4	320.3	12.9
1.0	15.0	0.0	1.0	0.0	-123.8	259.2	257.7	5.6
0.5	15.0	2.0	0.0	0.0	-109.0	238.0	234.0	3.4
1.0	15.0	2.0	0.0	0.0	-109.0	229.5	228.0	2.6
1.0	15.0	0.0	2.0	0.0	-154.9	321.3	319.8	7.8
1.0	15.0	0.0	2.0	0.0	-115.8	243.2	241.6	3.4
1.0	15.0	3.0	0.0	0.0	-145.3	302.2	300.6	6.5
1.0	15.0	2.0	0.0	0.0	-121.6	254.7	253.1	4.7
1.0	15.0	0.0	0.0	0.0	-133.6	269.2	269.1	5.1
1.0	15.0	0.0	3.0	0.0	-117.9	247.3	245.7	3.3
1.0	15.0	0.0	1.0	0.0	-156.9	316.0	315.9	9.3
1.0	15.0	2.0	0.0	0.0	-124.2	268.4	264.4	4.4
1.0	15.0	0.0	0.0	0.0	-154.8	311.6	311.5	8.3
1.0	15.0	0.0	4.0	0.0	-121.2	254.0	252.4	3.7
1.0	15.0	4.0	0.0	0.0	-174.4	360.4	358.9	12.4
1.0	15.0	4.0	0.0	0.0	-129.3	270.1	268.6	5.1
1.0	15.0	0.0	0.0	0.0	-143.8	289.7	289.6	6.2
1.0	15.0	0.0	1.0	0.0	-132.2	276.0	274.4	8.8
1.0	15.0	0.0	0.0	0.0	-90.7	183.4	183.3	2.9
1.0	15.0	2.0	0.0	0.0	-109.0	229.5	227.9	4.7
1.0	15.0	0.0	1.0	0.0	-179.1	369.8	368.3	15.8
1.0	15.0	0.0	4.0	0.0	-149.4	310.4	308.9	7.2
0.6	15.0	6.0	0.0	0.0	-178.1	376.2	372.2	17.5
0.8	15.0	4.0	0.0	0.0	-164.2	348.3	344.3	15.4
1.0	15.0	0.0	0.0	0.0	-155.9	313.9	313.8	7.1
1.0	15.0	0.0	1.0	0.0	-118.6	248.8	247.2	6.8
1.0	15.0	0.0	0.0	0.0	-70.4	142.9	142.8	1.3
0.8	15.0	1.0	0.0	0.0	-83.3	178.2	176.7	3.2
1.0	15.0	0.0	0.0	0.0	-163.6	329.3	329.2	13.5
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.8	4.0
1.0	15.0	1.0	0.0	0.0	-90.0	200.0	196.0	3.4
1.0	15.0	2.0	0.0	0.0	-106.0	223.6	222.0	2.7
1.0	15.0	0.0	1.0	0.0	-167.3	346.2	344.6	10.9
1.0	15.0	0.0	3.0	0.0	-123.1	257.7	256.2	5.6
1.0	15.0	3.0	1.0	0.0	-157.0	334.0	330.0	12.1
1.0	15.0	4.0	0.0	0.0	-134.7	289.3	285.3	6.3
1.0	15.0	0.0	2.0	0.0	-151.4	314.4	312.9	7.7



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-134.2	280.0	278.5	10.5
0.9	15.0	1.0	2.0	0.0	-171.8	363.6	359.6	31.5
1.0	15.0	0.0	2.0	0.0	-132.8	285.6	281.6	10.3
1.0	15.0	0.0	2.0	0.0	-162.4	336.3	334.8	21.7
1.0	15.0	0.0	1.0	0.0	-138.8	289.1	287.5	5.9
1.0	15.0	0.0	1.0	0.0	-105.9	223.4	221.9	2.0
1.0	15.0	1.0	0.0	0.0	-120.7	252.9	251.4	14.5
1.0	15.0	0.0	2.0	0.0	-166.8	345.2	343.6	10.2
1.0	15.0	0.0	1.0	0.0	-108.6	228.7	227.1	2.6
1.0	15.0	0.0	0.0	0.0	-72.6	147.3	147.2	1.3
1.0	15.0	1.0	0.0	0.0	-80.9	173.4	171.8	6.0
1.0	15.0	0.0	3.0	0.0	-123.4	258.3	256.8	4.3
1.0	15.0	0.0	1.0	0.0	-136.1	283.8	282.3	5.3
1.0	15.0	0.0	0.0	0.0	-92.4	187.0	186.9	3.6
1.0	15.0	1.0	0.0	0.0	-106.6	224.7	223.1	3.6
1.0	15.0	0.0	1.0	0.0	-175.8	363.0	361.5	11.5
1.0	15.0	0.0	2.0	0.0	-128.8	269.1	267.5	4.2
1.0	15.0	1.0	1.0	0.0	-85.0	189.9	185.9	1.4
1.0	15.0	2.0	0.0	0.0	-73.5	158.6	157.1	1.9
1.0	15.0	0.0	1.0	0.0	-135.5	282.6	281.1	6.0
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.7	3.9
1.0	15.0	2.0	1.0	0.0	-110.4	240.7	236.7	2.4
1.0	15.0	1.0	0.0	0.0	-109.2	230.0	228.5	4.1
1.0	15.0	0.0	1.0	0.0	-166.8	345.2	343.7	8.8
1.0	15.0	0.0	3.0	0.0	-148.4	308.3	306.8	6.2
1.0	15.0	3.0	0.0	0.0	-144.2	308.4	304.4	8.9
1.0	15.0	3.0	0.0	0.0	-136.9	285.3	283.7	15.8
1.0	15.0	0.0	0.0	0.0	-150.9	303.9	303.8	8.1
1.0	15.0	0.0	1.0	0.0	-158.8	329.1	327.5	7.8
0.8	15.0	3.0	0.0	0.0	-156.1	332.3	328.3	10.0
1.0	15.0	2.0	0.0	0.0	-122.0	255.6	254.1	3.6
1.0	15.0	0.0	0.0	0.0	-178.1	358.3	358.2	12.6
1.0	15.0	0.0	3.0	0.0	-128.5	268.4	266.9	4.1
1.0	15.0	3.0	0.0	0.0	-111.3	234.2	232.7	4.2
1.0	15.0	3.0	0.0	0.0	-108.9	229.4	227.9	3.1
1.0	15.0	0.0	0.0	0.0	-175.4	352.8	352.7	12.6
0.7	15.0	1.0	0.0	0.0	-129.9	271.3	269.8	5.2
0.8	15.0	2.0	1.0	0.0	-180.3	372.2	370.6	25.9
1.0	15.0	1.0	1.0	0.0	-131.6	274.8	273.3	19.2
1.0	15.0	0.0	0.0	0.0	-150.8	303.8	303.7	9.8
0.8	15.0	0.0	1.0	0.0	-136.5	284.5	283.0	6.1
1.0	15.0	1.0	0.0	0.0	-109.1	220.2	220.1	18.1
0.7	15.0	2.0	0.0	0.0	-120.0	259.9	255.9	9.4
1.0	15.0	0.0	1.0	0.0	-177.9	357.8	357.7	13.7
1.0	15.0	0.0	2.0	0.0	-115.0	241.6	240.0	2.8
1.0	15.0	2.0	0.0	0.0	-122.3	264.5	260.5	6.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-106.4	232.8	228.8	3.0
1.0	15.0	1.0	0.0	0.0	-180.9	363.8	363.7	12.0
1.0	15.0	0.0	2.0	0.0	-113.1	237.7	236.1	3.2
1.0	15.0	0.0	0.0	0.0	-63.8	129.8	129.7	1.1
1.0	15.0	2.0	0.0	0.0	-85.0	181.6	180.1	2.9
0.9	15.0	0.0	2.0	0.0	-140.8	293.2	291.6	7.4
1.0	15.0	0.0	2.0	0.0	-146.1	303.7	302.1	7.2
1.0	15.0	3.0	0.0	0.0	-168.3	348.2	346.7	10.9
1.0	15.0	2.0	0.0	0.0	-156.8	325.2	323.7	10.0
1.0	15.0	0.0	0.0	0.0	-174.5	351.0	350.9	12.0
1.0	15.0	1.0	3.0	0.0	-113.8	239.0	237.5	3.1
1.0	15.0	2.0	0.0	0.0	-86.0	183.4	181.9	2.7
1.0	15.0	2.0	0.0	0.0	-76.9	165.3	163.8	2.1
1.0	15.0	0.0	0.0	0.0	-132.2	266.5	266.4	4.7
1.0	15.0	0.0	0.0	0.0	-137.3	276.8	276.7	4.6
1.0	15.0	2.0	0.0	0.0	-158.4	328.3	326.8	8.2
1.0	15.0	2.0	0.0	0.0	-157.2	326.0	324.5	7.4
1.0	15.0	0.0	0.0	0.0	-127.1	256.2	256.1	4.9
1.0	15.0	0.0	2.0	0.0	-125.3	262.1	260.5	4.4
1.0	15.0	4.0	0.0	0.0	-127.5	275.1	271.1	6.8
0.8	15.0	4.0	0.0	0.0	-113.2	246.5	242.5	3.8
1.0	15.0	0.0	0.0	0.0	-158.1	318.3	318.2	8.5
1.0	15.0	0.0	0.0	0.0	-139.8	281.6	281.5	6.7
1.0	15.0	1.0	0.0	0.0	-171.8	355.1	353.6	10.8
1.0	15.0	1.0	0.0	0.0	-142.3	296.0	294.5	6.8
1.0	15.0	0.0	0.0	0.0	-178.0	358.1	358.0	11.9
1.0	15.0	0.0	0.0	0.0	-124.7	251.5	251.4	3.6
1.0	15.0	1.0	0.0	0.0	-159.8	331.1	329.5	10.9
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	14.3
1.0	15.0	0.0	0.0	0.0	-132.7	267.6	267.5	5.1
1.0	15.0	0.0	0.0	0.0	-111.7	225.6	225.5	2.8
1.0	15.0	2.0	0.0	0.0	-152.9	317.4	315.9	8.6
1.0	15.0	2.0	0.0	0.0	-120.0	251.5	249.9	5.4
1.0	15.0	0.0	0.0	0.0	-145.4	292.9	292.8	5.8
1.0	15.0	0.0	0.0	0.0	-124.6	251.3	251.2	3.8
1.0	15.0	2.0	0.0	0.0	-164.3	340.1	338.6	10.0
1.0	15.0	2.0	0.0	0.0	-130.5	272.5	270.9	7.1
1.0	15.0	0.0	0.0	0.0	-160.3	322.6	322.5	8.3
1.0	15.0	0.0	2.0	0.0	-121.4	254.3	252.8	4.2
1.0	15.0	0.0	0.0	0.0	-146.5	295.0	294.9	6.5
1.0	15.0	4.0	0.0	0.0	-136.3	284.1	282.6	5.5
1.0	15.0	0.0	0.0	0.0	-150.7	303.5	303.4	7.0
1.0	15.0	0.0	0.0	0.0	-152.5	307.0	306.9	8.5
1.0	15.0	4.0	3.0	0.0	-191.4	402.8	398.8	34.9
1.0	15.0	3.0	3.0	0.0	-167.8	355.6	351.6	17.2
1.0	15.0	0.0	3.0	0.0	-145.1	301.7	300.1	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	0.0	1.0	0.0	-128.9	269.3	267.7	5.0
1.0	15.0	1.0	0.0	0.0	-115.5	242.6	241.1	8.1
1.0	15.0	1.0	0.0	0.0	-113.3	238.1	236.5	5.6
1.0	15.0	0.0	0.0	0.0	-161.3	324.6	324.5	9.3
1.0	15.0	0.0	2.0	0.0	-129.9	271.3	269.8	5.2
1.0	15.0	0.0	0.0	0.0	-70.1	142.3	142.2	3.4
1.0	15.0	1.0	0.0	0.0	-84.3	180.2	178.6	3.1
1.0	15.0	0.0	2.0	0.0	-133.2	277.9	276.4	5.1
1.0	15.0	0.0	2.0	0.0	-124.6	260.7	259.2	4.4
1.0	15.0	0.0	0.0	0.0	-94.1	190.2	190.1	2.3
1.0	15.0	1.0	0.0	0.0	-96.5	204.6	203.0	1.8
1.0	15.0	0.0	2.0	0.0	-132.7	277.0	275.4	5.9
1.0	15.0	0.0	1.0	0.0	-131.0	273.5	271.9	4.9
1.0	15.0	0.0	0.0	0.0	-75.2	152.5	152.4	3.7
1.0	15.0	1.0	0.0	0.0	-69.1	149.8	148.3	1.2
1.0	15.0	0.0	0.0	0.0	-139.9	281.9	281.8	6.5
1.0	15.0	0.0	2.0	0.0	-130.1	271.8	270.2	4.1
1.0	15.0	0.0	0.0	0.0	-110.8	223.8	223.7	2.6
1.0	15.0	1.0	0.0	0.0	-111.2	233.9	232.3	3.0
1.0	15.0	0.0	0.0	0.0	-157.1	316.3	316.2	8.9
1.0	15.0	0.0	0.0	0.0	-141.5	285.0	284.9	8.3
1.0	15.0	2.0	1.0	0.0	-194.4	408.8	404.8	51.8
0.8	15.0	1.0	1.0	0.0	-185.5	390.9	386.9	28.1
1.0	15.0	0.0	2.0	0.0	-162.0	335.5	333.9	9.4
1.0	15.0	0.0	3.0	0.0	-122.9	257.5	255.9	4.7
1.0	15.0	1.0	0.0	0.0	-109.3	220.7	220.6	13.5
0.6	15.0	2.0	0.0	0.0	-117.0	245.6	244.0	10.5
1.0	15.0	0.0	0.0	0.0	-162.5	327.2	327.1	10.1
1.0	15.0	0.0	2.0	0.0	-135.2	282.0	280.5	4.9
1.0	15.0	0.0	0.0	0.0	-102.8	207.6	207.5	2.8
1.0	15.0	2.0	0.0	0.0	-110.1	231.7	230.1	3.2
1.0	15.0	0.0	1.0	0.0	-172.3	346.7	346.6	12.2
1.0	15.0	0.0	1.0	0.0	-127.6	266.8	265.2	4.4
1.0	15.0	1.0	0.0	0.0	-152.6	316.7	315.2	8.0
1.0	15.0	1.0	0.0	0.0	-154.3	320.1	318.6	8.9
1.0	15.0	0.0	0.0	0.0	-147.1	296.4	296.3	6.1
1.0	15.0	0.0	4.0	0.0	-762.4	1541.3	1540.7	4.3
1.0	15.0	5.0	0.0	0.0	-1058.9	2134.3	2133.8	14.5
1.0	15.0	5.0	0.0	0.0	-909.8	1836.1	1835.5	8.9
1.0	15.0	0.0	0.0	0.0	-934.3	1870.6	1870.6	8.8
1.0	15.0	0.0	0.0	0.0	-599.1	1200.3	1200.2	8.3
1.0	15.0	4.0	0.0	0.0	-675.9	1368.6	1367.8	21.8
1.0	15.0	4.0	0.0	0.0	-578.8	1174.5	1173.7	8.1
1.0	15.0	0.0	0.0	0.0	-633.8	1269.7	1269.7	8.9
1.0	15.0	0.0	0.0	0.0	-793.6	1589.3	1589.3	5.2
1.0	15.0	4.0	0.0	0.0	-1090.9	2198.3	2197.7	16.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-952.7	1922.1	1921.5	11.9
1.0	15.0	0.0	0.0	0.0	-885.9	1773.7	1773.7	7.3
0.8	15.0	0.0	4.0	0.0	-143.5	298.5	297.0	5.5
1.0	15.0	5.0	0.0	0.0	-135.5	291.0	287.0	5.1
0.9	15.0	4.0	0.0	0.0	-131.6	283.1	279.1	5.1
1.0	15.0	0.0	0.0	0.0	-128.0	258.2	258.1	4.6
1.0	15.0	0.0	1.0	0.0	-149.8	311.1	309.6	7.9
1.0	15.0	0.0	1.0	0.0	-122.8	257.2	255.7	4.0
0.7	15.0	1.0	0.0	0.0	-125.6	262.7	261.1	19.7
1.0	15.0	0.0	1.0	0.0	-162.0	335.6	334.1	8.2
1.0	15.0	0.0	1.0	0.0	-131.8	265.7	265.6	7.4
0.9	15.0	2.0	0.0	0.0	-171.6	354.7	353.1	12.7
1.0	15.0	1.0	0.0	0.0	-139.2	290.1	288.5	9.8
1.0	15.0	0.0	1.0	0.0	-166.2	334.4	334.3	13.1
1.0	15.0	0.0	2.0	0.0	-112.5	236.4	234.9	2.8
1.0	15.0	2.0	0.0	0.0	-133.6	278.8	277.3	5.3
1.0	15.0	2.0	0.0	0.0	-125.0	261.5	260.0	4.6
1.0	15.0	0.0	0.0	0.0	-136.4	274.8	274.7	5.5
1.0	15.0	0.0	0.0	0.0	-122.1	246.2	246.1	6.2
1.0	15.0	1.0	0.0	0.0	-137.9	287.3	285.7	5.2
1.0	15.0	1.0	0.0	0.0	-129.5	270.6	269.0	4.1
1.0	15.0	0.0	0.0	0.0	-125.8	253.8	253.7	4.4
1.0	15.0	0.0	0.0	0.0	-126.1	254.3	254.2	4.2
1.0	15.0	1.0	0.0	0.0	-155.6	322.9	321.3	9.8
1.0	15.0	1.0	0.0	0.0	-126.6	264.7	263.1	4.9
1.0	15.0	0.0	0.0	0.0	-134.2	270.5	270.4	5.0
1.0	15.0	0.0	2.0	0.0	-134.4	280.3	278.7	4.6
1.0	15.0	2.0	0.0	0.0	-135.6	282.8	281.2	6.9
1.0	15.0	2.0	0.0	0.0	-141.9	295.3	293.8	7.0
1.0	15.0	0.0	0.0	0.0	-125.5	253.2	253.1	3.9
0.8	15.0	0.0	2.0	0.0	-144.6	300.8	299.3	6.6
1.0	15.0	1.0	0.0	0.0	-140.8	293.1	291.6	6.5
1.0	15.0	2.0	0.0	0.0	-126.0	263.6	262.0	6.0
1.0	15.0	0.0	0.0	0.0	-117.4	237.0	236.9	3.4
1.0	15.0	5.0	0.0	0.0	-133.4	278.3	276.8	6.0
1.0	15.0	2.0	0.0	0.0	-171.6	354.8	353.3	12.0
1.0	15.0	0.0	0.0	0.0	-141.2	284.6	284.5	5.7
1.0	15.0	0.0	0.0	0.0	-140.6	283.2	283.1	7.0
1.0	15.0	0.0	0.0	0.0	-148.3	298.6	298.6	7.1
1.0	15.0	2.0	0.0	0.0	-170.4	352.4	350.9	18.3
1.0	15.0	1.0	0.0	0.0	-111.3	234.1	232.5	2.8
1.0	15.0	0.0	0.0	0.0	-157.4	316.9	316.8	11.6
1.0	15.0	0.0	2.0	0.0	-122.1	255.8	254.3	3.6
1.0	15.0	0.0	1.0	0.0	-144.3	290.7	290.6	6.7
1.0	15.0	3.0	0.0	0.0	-131.9	275.4	273.9	4.2
1.0	15.0	0.0	0.0	0.0	-134.7	271.5	271.4	4.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-120.0	251.7	250.1	3.8
0.9	15.0	2.0	0.0	0.0	-181.5	374.7	373.1	14.3
1.0	15.0	3.0	0.0	0.0	-129.0	269.5	267.9	5.6
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	7.9
1.0	15.0	0.0	3.0	0.0	-140.4	292.4	290.9	7.6
1.0	15.0	2.0	4.0	0.0	-156.6	333.2	329.2	10.3
1.0	15.0	2.0	0.0	0.0	-141.9	303.8	299.8	8.1
1.0	15.0	0.0	1.0	0.0	-133.7	279.0	277.5	7.2
1.0	15.0	0.0	1.0	0.0	-145.5	302.6	301.0	11.5
1.0	15.0	2.0	4.0	0.0	-189.0	398.0	394.0	24.0
1.0	15.0	1.0	3.0	0.0	-146.8	313.7	309.7	11.5
1.0	15.0	0.0	3.0	0.0	-140.9	293.3	291.7	5.6
1.0	15.0	0.0	4.0	0.0	-130.4	272.3	270.8	9.4
0.8	15.0	0.0	3.0	0.0	-75.2	162.0	160.5	0.8
1.0	15.0	2.0	0.0	0.0	-90.5	192.5	191.0	3.2
1.0	15.0	0.0	6.0	0.0	-151.9	315.4	313.8	7.6
1.0	15.0	0.0	2.0	0.0	-148.2	308.0	306.4	7.7
1.0	15.0	5.0	0.0	0.0	-115.6	251.2	247.2	4.2
1.0	15.0	3.0	0.0	0.0	-128.3	268.2	266.7	5.7
1.0	15.0	0.0	1.0	0.0	-180.6	363.4	363.3	14.6
1.0	15.0	0.0	4.0	0.0	-130.5	272.6	271.1	5.1
1.0	15.0	3.0	1.0	0.0	-102.5	225.0	221.0	1.9
0.5	15.0	3.0	0.0	0.0	-116.2	252.3	248.3	5.5
1.0	15.0	0.0	1.0	0.0	-160.4	322.9	322.8	8.8
1.0	15.0	0.0	4.0	0.0	-128.7	268.9	267.3	4.8
1.0	15.0	5.0	0.0	0.0	-153.6	318.7	317.2	8.1
1.0	15.0	4.0	0.0	0.0	-148.7	308.9	307.4	8.2
1.0	15.0	0.0	0.0	0.0	-131.7	265.4	265.3	4.4
1.0	15.0	0.0	0.0	0.0	-122.0	246.1	246.0	4.8
1.0	15.0	2.0	0.0	0.0	-162.2	336.0	334.5	14.7
1.0	15.0	1.0	0.0	0.0	-140.7	301.3	297.3	7.6
1.0	15.0	0.0	0.0	0.0	-161.7	325.4	325.3	8.4
1.0	15.0	0.0	1.0	0.0	-126.0	263.5	261.9	3.7
1.0	15.0	0.0	0.0	0.0	-73.3	148.8	148.7	1.5
0.7	15.0	1.0	0.0	0.0	-69.5	150.5	148.9	0.8
1.0	15.0	0.0	2.0	0.0	-139.4	290.4	288.9	7.0
1.0	15.0	0.0	3.0	0.0	-132.1	275.8	274.2	5.7
1.0	15.0	2.0	3.0	0.0	-149.1	318.2	314.2	7.6
1.0	15.0	2.0	0.0	0.0	-146.4	312.8	308.8	7.3
1.0	15.0	0.0	0.0	0.0	-142.4	287.0	286.9	6.9
0.8	15.0	0.0	1.0	0.0	-155.1	321.7	320.1	10.5
0.9	15.0	2.0	4.0	0.0	-207.8	435.5	431.5	42.6
1.0	15.0	2.0	4.0	0.0	-171.7	363.3	359.3	20.2
1.0	15.0	0.0	4.0	0.0	-164.6	340.7	339.2	14.1
1.0	15.0	0.0	3.0	0.0	-119.6	250.8	249.3	7.3
1.0	15.0	0.0	0.0	0.0	-75.2	152.6	152.5	1.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-83.2	178.0	176.4	2.5
1.0	15.0	0.0	4.0	0.0	-148.4	308.4	306.8	10.4
1.0	15.0	0.0	2.0	0.0	-152.2	316.0	314.4	7.5
1.0	15.0	2.0	0.0	0.0	-111.9	243.8	239.8	3.8
1.0	15.0	2.0	0.0	0.0	-136.3	284.2	282.7	6.5
1.0	15.0	1.0	10.0	0.0	-171.6	363.2	359.2	11.5
1.0	15.0	0.0	4.0	0.0	-132.8	277.2	275.7	4.4
1.0	15.0	2.0	0.0	0.0	-110.5	240.9	236.9	2.9
1.0	15.0	2.0	0.0	0.0	-111.2	242.5	238.5	3.4
1.0	15.0	0.0	0.0	0.0	-168.0	338.1	338.0	9.9
1.0	15.0	0.0	3.0	0.0	-140.9	293.4	291.9	6.1
1.0	15.0	2.0	3.0	0.0	-143.4	306.9	302.9	8.0
1.0	15.0	2.0	0.0	0.0	-142.6	305.1	301.1	7.1
1.0	15.0	2.0	0.0	0.0	-147.3	306.2	304.7	8.2
0.5	15.0	1.0	1.0	0.0	-140.9	293.3	291.8	6.6
1.0	15.0	3.0	1.0	0.0	-184.5	389.0	385.0	20.5
1.0	15.0	3.0	1.0	0.0	-145.8	311.7	307.7	8.9
1.0	15.0	0.0	1.0	0.0	-148.9	309.4	307.8	6.6
1.0	15.0	0.0	3.0	0.0	-132.3	276.2	274.7	8.1
1.0	15.0	0.0	0.0	0.0	-77.9	157.9	157.8	1.7
1.0	15.0	3.0	0.0	0.0	-84.4	180.4	178.8	2.3
1.0	15.0	0.0	5.0	0.0	-154.1	328.2	324.2	8.0
1.0	15.0	0.0	1.0	0.0	-137.3	286.2	284.6	6.0
1.0	15.0	2.0	0.0	0.0	-121.0	261.9	257.9	13.4
0.5	15.0	4.0	0.0	0.0	-130.4	280.9	276.9	8.9
1.0	15.0	1.0	3.0	0.0	-171.3	362.5	358.5	12.3
1.0	15.0	0.0	4.0	0.0	-105.5	230.9	226.9	2.5
1.0	15.0	3.0	0.0	0.0	-125.8	271.6	267.6	4.7
1.0	15.0	3.0	0.0	0.0	-116.8	253.6	249.6	5.0
1.0	15.0	0.0	2.0	0.0	-181.9	375.3	373.8	16.2
1.0	15.0	0.0	0.0	0.0	-124.4	250.9	250.8	4.5
0.9	15.0	2.0	0.0	0.0	-162.2	336.1	334.5	10.5
0.6	15.0	1.0	0.0	0.0	-134.3	280.3	278.7	5.9
1.0	15.0	0.0	0.0	0.0	-148.5	299.2	299.1	6.4
1.0	15.0	0.0	0.0	0.0	-134.7	271.5	271.4	5.1
1.0	15.0	1.0	0.0	0.0	-152.6	316.8	315.3	9.1
1.0	15.0	1.0	0.0	0.0	-114.8	241.1	239.5	3.2
1.0	15.0	0.0	0.0	0.0	-162.0	326.1	326.0	9.3
1.0	15.0	0.0	0.0	0.0	-135.4	273.0	272.9	5.1
0.7	15.0	2.0	0.0	0.0	-145.2	310.5	306.5	6.6
1.0	15.0	2.0	0.0	0.0	-123.6	258.7	257.2	4.5
1.0	15.0	0.0	0.0	0.0	-140.2	282.5	282.4	6.8
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	4.5
1.0	15.0	2.0	0.0	0.0	-135.5	282.5	281.0	6.1
1.0	15.0	2.0	0.0	0.0	-122.6	256.7	255.2	4.2
1.0	15.0	0.0	0.0	0.0	-148.5	299.2	299.1	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-136.2	274.5	274.4	6.0
0.5	15.0	1.0	0.0	0.0	-173.5	367.0	363.0	11.2
1.0	15.0	2.0	0.0	0.0	-123.8	267.6	263.6	4.8
1.0	15.0	0.0	0.0	0.0	-170.6	343.2	343.1	12.4
1.0	15.0	0.0	2.0	0.0	-124.5	260.6	259.1	4.1
1.0	15.0	0.0	0.0	0.0	-138.4	278.9	278.9	4.9
1.0	15.0	2.0	0.0	0.0	-113.2	237.9	236.3	2.8
1.0	15.0	0.0	1.0	0.0	-151.7	305.5	305.4	9.8
1.0	15.0	0.0	2.0	0.0	-116.2	244.0	242.5	3.0
1.0	15.0	0.0	0.0	0.0	-104.9	211.8	211.7	4.5
1.0	15.0	2.0	0.0	0.0	-113.9	239.4	237.8	6.4
1.0	15.0	0.0	2.0	0.0	-137.3	286.1	284.6	4.8
1.0	15.0	0.0	5.0	0.0	-138.2	287.9	286.4	7.0
1.0	15.0	1.0	5.0	0.0	-127.6	275.1	271.1	4.8
1.0	15.0	4.0	0.0	0.0	-156.1	323.8	322.2	14.1
0.8	15.0	0.0	5.0	0.0	-158.2	328.0	326.5	9.4
1.0	15.0	0.0	7.0	0.0	-150.7	312.9	311.4	7.7
1.0	15.0	2.0	6.0	0.0	-227.0	474.1	469.9	57.0
0.7	15.0	2.0	2.0	0.0	-201.4	422.9	418.8	29.6
1.0	15.0	0.0	8.0	0.0	-170.2	352.0	350.5	11.1
1.0	15.0	3.0	3.0	0.0	-144.1	308.1	304.1	6.7
1.0	15.0	0.0	3.0	0.0	-124.5	260.6	259.1	5.4
1.0	15.0	2.0	2.0	0.0	-150.4	312.3	310.8	9.5
1.0	15.0	0.0	7.0	0.0	-164.5	340.6	339.1	9.3
1.0	15.0	0.0	6.0	0.0	-126.4	264.3	262.8	7.5
1.0	15.0	0.0	0.0	0.0	-85.2	172.5	172.4	1.7
1.0	15.0	6.0	0.0	0.0	-166.6	344.7	343.2	15.1
0.9	15.0	2.0	6.0	0.0	-154.3	320.1	318.6	10.5
0.9	15.0	0.0	5.0	0.0	-150.1	311.8	310.3	9.0
1.0	15.0	2.0	0.0	0.0	-131.3	282.7	278.7	6.2
1.0	15.0	6.0	0.0	0.0	-200.2	411.9	410.4	33.3
1.0	15.0	0.0	6.0	0.0	-174.2	360.0	358.5	11.8
1.0	15.0	0.0	6.0	0.0	-149.2	309.9	308.4	11.0
1.0	15.0	0.0	0.0	0.0	-103.8	209.8	209.7	2.4
1.0	15.0	5.0	0.0	0.0	-108.2	228.0	226.5	3.2
1.0	15.0	0.0	6.0	0.0	-176.2	364.0	362.5	18.1
1.0	15.0	0.0	6.0	0.0	-152.8	317.1	315.6	14.5
0.9	15.0	0.0	3.0	0.0	-119.4	250.3	248.8	5.6
1.0	15.0	6.0	0.0	0.0	-172.6	356.7	355.1	25.7
1.0	15.0	0.0	6.0	0.0	-166.0	343.5	342.0	21.1
1.0	15.0	0.0	1.0	0.0	-117.2	246.0	244.5	3.1
1.0	15.0	2.0	0.0	0.0	-125.6	262.8	261.3	4.6
1.0	15.0	2.0	0.0	0.0	-131.3	274.2	272.7	5.1
1.0	15.0	0.0	1.0	0.0	-152.9	307.9	307.8	9.8
1.0	15.0	0.0	1.0	0.0	-137.6	286.8	285.2	9.0
0.7	15.0	2.0	0.0	0.0	-143.0	305.9	301.9	9.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-144.9	301.3	299.7	10.5
0.8	15.0	0.0	1.0	0.0	-155.1	321.7	320.1	11.2
1.0	15.0	0.0	6.0	0.0	-149.3	310.1	308.5	7.0
1.0	15.0	2.0	5.0	0.0	-154.2	328.3	324.3	10.8
1.0	15.0	6.0	0.0	0.0	-177.9	375.8	371.8	14.9
1.0	15.0	0.0	4.0	0.0	-163.6	338.8	337.2	9.1
1.0	15.0	0.0	4.0	0.0	-144.9	301.4	299.8	5.7
1.0	15.0	2.0	3.0	0.0	-190.2	400.3	396.3	27.0
1.0	15.0	3.0	1.0	0.0	-154.5	329.0	325.0	11.3
1.0	15.0	0.0	4.0	0.0	-169.8	351.1	349.6	10.2
1.0	15.0	0.0	2.0	0.0	-131.6	274.8	273.3	4.3
1.0	15.0	0.0	4.0	0.0	-111.8	235.1	233.6	4.6
1.0	15.0	1.0	0.0	0.0	-113.9	239.3	237.8	4.8
1.0	15.0	0.0	3.0	0.0	-160.1	331.8	330.3	8.2
1.0	15.0	0.0	6.0	0.0	-145.2	301.9	300.4	6.5
0.9	15.0	1.0	1.0	0.0	-113.4	246.8	242.8	3.8
1.0	15.0	5.0	0.0	0.0	-136.4	284.2	282.7	8.6
1.0	15.0	0.0	4.0	0.0	-138.0	287.6	286.0	8.1
1.0	15.0	0.0	5.0	0.0	-150.3	312.2	310.7	8.0
1.0	15.0	2.0	0.0	0.0	-126.8	273.7	269.7	6.1
1.0	15.0	6.0	0.0	0.0	-162.5	336.5	335.0	11.7
1.0	15.0	0.0	5.0	0.0	-184.7	380.9	379.3	16.7
1.0	15.0	0.0	4.0	0.0	-116.4	244.4	242.8	3.4
1.0	15.0	0.0	0.0	0.0	-81.4	164.9	164.8	1.7
1.0	15.0	2.0	0.0	0.0	-80.1	171.7	170.1	3.0
1.0	15.0	0.0	3.0	0.0	-137.0	285.6	284.1	8.3
1.0	15.0	0.0	3.0	0.0	-107.6	235.2	231.2	2.7
0.8	15.0	3.0	0.0	0.0	-134.6	289.2	285.2	5.8
0.7	15.0	3.0	0.0	0.0	-129.5	279.1	275.1	7.4
1.0	15.0	0.0	0.0	0.0	-140.3	282.7	282.6	4.9
1.0	15.0	0.0	0.0	0.0	-123.7	249.5	249.4	3.6
1.0	15.0	2.0	0.0	0.0	-126.0	271.9	267.9	12.1
1.0	15.0	2.0	0.0	0.0	-120.0	260.0	256.0	9.6
1.0	15.0	0.0	0.0	0.0	-182.5	367.2	367.1	12.7
1.0	15.0	0.0	0.0	0.0	-129.7	261.5	261.4	4.1
1.0	15.0	1.0	0.0	0.0	-150.0	311.5	310.0	7.0
1.0	15.0	1.0	0.0	0.0	-118.2	247.9	246.4	3.7
1.0	15.0	0.0	0.0	0.0	-170.2	342.6	342.5	11.3
1.0	15.0	0.0	0.0	0.0	-138.3	278.7	278.6	5.4
0.9	15.0	1.0	0.0	0.0	-163.4	338.4	336.9	12.6
1.0	15.0	0.0	0.0	0.0	-147.9	297.8	297.7	6.5
1.0	15.0	0.0	0.0	0.0	-136.6	275.2	275.1	4.7
1.0	15.0	0.0	3.0	0.0	-119.8	251.1	249.5	5.2
1.0	15.0	1.0	2.0	0.0	-140.6	301.2	297.2	6.8
1.0	15.0	3.0	0.0	0.0	-145.3	302.2	300.6	8.0
1.0	15.0	0.0	2.0	0.0	-140.4	292.4	290.9	7.5



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-142.2	295.9	294.3	6.7
1.0	15.0	0.0	1.0	0.0	-124.4	250.8	250.7	6.9
0.9	15.0	1.0	0.0	0.0	-112.0	235.6	234.1	9.7
1.0	15.0	0.0	2.0	0.0	-165.1	341.8	340.3	8.4
1.0	15.0	0.0	2.0	0.0	-120.4	252.3	250.8	3.7
1.0	15.0	0.0	0.0	0.0	-63.8	129.7	129.6	0.8
1.0	15.0	1.0	0.0	0.0	-84.8	181.1	179.6	3.5
1.0	15.0	0.0	2.0	0.0	-115.8	243.1	241.5	2.9
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.8	4.6
1.0	15.0	0.0	0.0	0.0	-83.7	169.5	169.4	21.6
1.0	15.0	1.0	0.0	0.0	-109.8	231.1	229.6	17.6
1.0	15.0	0.0	1.0	0.0	-141.9	295.5	293.9	7.0
1.0	15.0	0.0	2.0	0.0	-137.7	286.9	285.4	6.5
1.0	15.0	0.0	0.0	0.0	-70.7	143.6	143.5	1.7
1.0	15.0	1.0	0.0	0.0	-68.0	147.6	146.1	1.3
1.0	15.0	0.0	2.0	0.0	-136.9	285.3	283.7	8.6
1.0	15.0	0.0	1.0	0.0	-116.9	245.3	243.8	3.3
1.0	15.0	0.0	1.0	0.0	-109.8	231.2	229.6	2.4
0.9	15.0	1.0	0.0	0.0	-104.1	219.7	218.1	3.9
1.0	15.0	0.0	1.0	0.0	-162.1	335.8	334.3	8.6
0.8	15.0	0.0	6.0	0.0	-147.1	314.2	310.2	8.3
1.0	15.0	2.0	5.0	0.0	-152.5	325.0	321.0	13.8
1.0	15.0	2.0	0.0	0.0	-168.1	356.3	352.3	12.8
1.0	15.0	1.0	3.0	0.0	-180.4	380.8	376.8	21.5
1.0	15.0	0.0	3.0	0.0	-127.2	265.9	264.3	5.6
0.8	15.0	2.0	0.0	0.0	-196.7	413.5	409.4	37.0
1.0	15.0	2.0	0.0	0.0	-175.8	371.7	367.6	21.0
1.0	15.0	0.0	7.0	0.0	-183.6	378.7	377.2	15.8
0.9	15.0	0.0	8.0	0.0	-147.8	307.1	305.6	7.4
1.0	15.0	1.0	0.0	0.0	-132.6	285.2	281.2	7.6
1.0	15.0	6.0	0.0	0.0	-132.2	284.5	280.5	10.9
0.4	15.0	1.0	4.0	0.0	-197.7	415.5	411.5	20.9
1.0	15.0	2.0	0.0	0.0	-144.4	300.3	298.7	6.8
0.9	15.0	2.0	5.0	0.0	-195.7	411.6	407.5	23.5
1.0	15.0	0.0	1.0	0.0	-168.9	349.4	347.8	14.1
1.0	15.0	0.0	5.0	0.0	-172.1	355.7	354.2	13.0
1.0	15.0	0.0	3.0	0.0	-124.2	260.0	258.5	3.7
1.0	15.0	0.0	0.0	0.0	-115.0	232.1	232.0	3.3
1.0	15.0	2.0	0.0	0.0	-108.2	228.0	226.5	2.7
1.0	15.0	0.0	1.0	0.0	-158.6	328.8	327.2	9.5
1.0	15.0	0.0	6.0	0.0	-164.8	341.2	339.7	12.6
0.9	15.0	5.0	3.0	0.0	-203.2	426.3	422.3	32.1
1.0	15.0	5.0	0.0	0.0	-203.8	419.1	417.6	40.2
0.6	15.0	1.0	0.0	0.0	-183.6	387.2	383.2	23.9
1.0	15.0	0.0	0.0	0.0	-145.3	292.8	292.7	5.8
1.0	15.0	5.0	0.0	0.0	-167.1	345.8	344.2	13.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	4.0	0.0	0.0	-141.9	303.9	299.9	8.9
1.0	15.0	0.0	5.0	0.0	-196.6	404.7	403.2	19.3
1.0	15.0	4.0	0.0	0.0	-163.1	337.7	336.1	9.6
0.6	15.0	2.0	1.0	0.0	-139.6	299.2	295.2	5.9
1.0	15.0	0.0	0.0	0.0	-163.6	329.4	329.3	8.6
1.0	15.0	0.0	4.0	0.0	-196.8	405.2	403.7	20.7
0.8	15.0	0.0	7.0	0.0	-141.1	293.8	292.3	5.7
0.6	15.0	3.0	0.0	0.0	-163.8	347.5	343.5	11.9
1.0	15.0	8.0	0.0	0.0	-143.2	297.9	296.3	6.9
0.9	15.0	0.0	4.0	0.0	-199.6	410.7	409.2	20.6
1.0	15.0	0.0	2.0	0.0	-126.2	263.9	262.4	8.1
1.0	15.0	3.0	0.0	0.0	-123.2	257.8	256.3	9.9
1.0	15.0	2.0	0.0	0.0	-120.6	252.8	251.2	7.2
1.0	15.0	0.0	0.0	0.0	-187.9	377.9	377.8	17.4
0.6	15.0	0.0	2.0	0.0	-104.5	220.5	218.9	2.4
1.0	15.0	2.0	0.0	0.0	-128.7	269.0	267.4	5.5
1.0	15.0	2.0	0.0	0.0	-121.8	255.1	253.6	5.1
1.0	15.0	0.0	0.0	0.0	-123.7	249.6	249.5	3.9
1.0	15.0	0.0	0.0	0.0	-282.5	567.0	567.0	5.5
1.0	15.0	1.0	0.0	0.0	-334.0	678.8	678.0	11.4
1.0	15.0	1.0	0.0	0.0	-324.4	659.5	658.8	11.0
1.0	15.0	0.0	0.0	0.0	-286.4	574.7	574.7	6.2
1.0	15.0	0.0	2.0	0.0	-119.6	250.7	249.1	3.2
1.0	15.0	0.0	0.0	0.0	-90.5	183.1	183.1	1.7
1.0	15.0	2.0	0.0	0.0	-115.5	242.6	241.1	5.1
1.0	15.0	0.0	2.0	0.0	-149.0	309.6	308.1	6.3
1.0	15.0	0.0	0.0	0.0	-113.2	228.4	228.3	3.0
1.0	15.0	3.0	0.0	0.0	-170.9	353.4	351.8	14.1
1.0	15.0	2.0	0.0	0.0	-130.6	272.7	271.2	5.6
1.0	15.0	0.0	0.0	0.0	-148.4	298.9	298.8	6.4
1.0	15.0	0.0	0.0	0.0	-132.6	267.3	267.2	5.1
1.0	15.0	2.0	0.0	0.0	-172.3	356.2	354.6	14.8
1.0	15.0	2.0	0.0	0.0	-133.6	278.9	277.3	6.3
1.0	15.0	0.0	0.0	0.0	-153.9	309.9	309.8	7.0
1.0	15.0	0.0	7.0	0.0	-146.1	303.7	302.1	7.8
1.0	15.0	5.0	1.0	0.0	-157.9	335.9	331.9	11.1
1.0	15.0	5.0	0.0	0.0	-161.2	342.4	338.4	13.4
1.0	15.0	0.0	0.0	0.0	-158.1	318.3	318.2	8.4
1.0	15.0	0.0	6.0	0.0	-139.5	290.6	289.0	6.5
1.0	15.0	2.0	7.0	0.0	-224.5	469.2	465.1	51.9
1.0	15.0	2.0	7.0	0.0	-195.6	411.3	407.2	29.2
1.0	15.0	0.0	7.0	0.0	-153.8	319.1	317.5	11.0
1.0	15.0	0.0	5.0	0.0	-132.9	277.3	275.8	7.4
0.6	15.0	2.0	4.0	0.0	-95.6	211.2	207.2	2.5
1.0	15.0	4.0	0.0	0.0	-125.7	262.9	261.3	6.3
0.9	15.0	1.0	4.0	0.0	-156.5	324.6	323.1	16.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	7.0	0.0	-164.6	340.7	339.2	8.9
1.0	15.0	3.0	0.0	0.0	-129.4	270.3	268.7	7.3
0.9	15.0	7.0	0.0	0.0	-158.6	328.8	327.2	11.8
1.0	15.0	0.0	1.0	0.0	-199.0	400.1	400.0	19.8
1.0	15.0	1.0	3.0	0.0	-142.2	295.9	294.4	7.4
1.0	15.0	0.0	3.0	0.0	-112.4	236.3	234.8	2.8
1.0	15.0	2.0	2.0	0.0	-135.0	281.6	280.1	5.6
1.0	15.0	0.0	1.0	0.0	-179.2	360.6	360.5	18.1
1.0	15.0	0.0	9.0	0.0	-128.3	268.2	266.7	4.8
1.0	15.0	1.0	8.0	0.0	-132.3	284.7	280.7	10.1
1.0	15.0	1.0	0.0	0.0	-150.4	320.9	316.9	13.0
0.9	15.0	0.0	8.0	0.0	-193.2	397.9	396.4	19.7
1.0	15.0	0.0	6.0	0.0	-150.9	313.3	311.8	7.0
0.9	15.0	3.0	6.0	0.0	-216.0	452.1	448.1	50.1
0.5	15.0	2.0	0.0	0.0	-168.4	356.8	352.8	19.1
1.0	15.0	0.0	8.0	0.0	-179.4	370.3	368.8	13.2
0.9	15.0	5.0	1.0	0.0	-181.1	382.2	378.2	13.6
0.9	15.0	2.0	3.0	0.0	-154.8	321.1	319.6	7.6
0.5	15.0	1.0	0.0	0.0	-174.0	359.5	357.9	11.0
1.0	15.0	0.0	6.0	0.0	-187.0	385.5	383.9	16.0
1.0	15.0	0.0	4.0	0.0	-173.0	357.5	355.9	27.9
1.0	15.0	0.0	0.0	0.0	-67.4	136.9	136.8	1.0
1.0	15.0	4.0	0.0	0.0	-167.1	345.7	344.2	26.2
1.0	15.0	1.0	3.0	0.0	-193.5	407.0	403.0	39.4
1.0	15.0	0.0	5.0	0.0	-171.8	355.2	353.7	9.9
1.0	15.0	3.0	0.0	0.0	-182.1	375.7	374.2	14.9
1.0	15.0	9.0	0.0	0.0	-174.6	360.8	359.2	11.7
1.0	15.0	0.0	11.0	0.0	-216.2	444.0	442.4	29.1
1.0	15.0	0.0	10.0	0.0	-175.2	361.9	360.4	11.3
1.0	15.0	0.0	0.0	0.0	-79.2	160.6	160.5	1.4
1.0	15.0	2.0	0.0	0.0	-111.2	233.9	232.4	3.6
1.0	15.0	0.0	8.0	0.0	-206.1	423.8	422.2	24.9
1.0	15.0	0.0	4.0	0.0	-124.8	261.2	259.6	4.0
1.0	15.0	2.0	3.0	0.0	-118.3	256.7	252.7	4.1
1.0	15.0	4.0	0.0	0.0	-134.5	280.5	278.9	6.7
1.0	15.0	0.0	4.0	0.0	-149.6	310.8	309.3	6.6
0.9	15.0	0.0	3.0	0.0	-282.1	575.0	574.2	8.3
1.0	15.0	1.0	1.0	0.0	-252.2	522.1	520.3	6.0
1.0	15.0	3.0	0.0	0.0	-338.8	688.3	687.6	34.5
1.0	15.0	0.0	4.0	0.0	-325.5	661.6	660.9	14.3
1.0	15.0	0.0	10.0	0.0	-128.1	276.3	272.3	4.8
1.0	15.0	1.0	9.0	0.0	-150.0	320.0	316.0	8.7
0.9	15.0	9.0	0.0	0.0	-179.5	379.0	375.0	14.3
1.0	15.0	0.0	9.0	0.0	-133.2	286.4	282.4	5.5
1.0	15.0	0.0	5.0	0.0	-170.4	352.3	350.8	25.3
1.0	15.0	0.0	0.0	0.0	-70.6	143.3	143.2	2.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-200.4	412.4	410.8	36.3
0.5	15.0	0.0	6.0	0.0	-186.8	393.6	389.6	39.9
1.0	15.0	0.0	11.0	0.0	-180.9	373.4	371.9	13.4
1.0	15.0	6.0	0.0	0.0	-169.8	351.1	349.6	12.8
1.0	15.0	12.0	0.0	0.0	-204.6	420.7	419.2	22.9
0.6	15.0	0.0	6.0	0.0	-221.3	454.2	452.6	32.0
1.0	15.0	0.0	11.0	0.0	-163.6	338.8	337.3	9.0
1.0	15.0	0.0	0.0	0.0	-110.0	222.2	222.1	2.7
1.0	15.0	6.0	0.0	0.0	-107.4	226.4	224.9	4.3
1.0	15.0	0.0	7.0	0.0	-207.4	426.3	424.7	30.2
1.0	15.0	0.0	4.0	0.0	-133.9	279.4	277.9	4.5
1.0	15.0	1.0	2.0	0.0	-120.4	260.7	256.7	3.6
1.0	15.0	4.0	0.0	0.0	-153.2	317.9	316.4	11.6
1.0	15.0	0.0	5.0	0.0	-152.3	316.1	314.6	8.5
1.0	15.0	0.0	0.0	0.0	-121.0	244.1	244.0	5.7
1.0	15.0	2.0	0.0	0.0	-165.8	343.1	341.6	15.1
1.0	15.0	2.0	0.0	0.0	-137.1	285.8	284.2	12.1
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	7.5
1.0	15.0	0.0	0.0	0.0	-136.6	275.3	275.2	7.0
0.9	15.0	1.0	0.0	0.0	-161.8	335.1	333.6	11.1
1.0	15.0	0.0	0.0	0.0	-134.0	270.1	270.0	5.9
1.0	15.0	0.0	0.0	0.0	-175.0	352.0	351.9	12.0
0.9	15.0	0.0	1.0	0.0	-119.7	250.9	249.3	3.4
0.9	15.0	1.0	0.0	0.0	-102.9	217.4	215.9	10.7
0.6	15.0	1.0	0.0	0.0	-110.5	232.5	230.9	5.3
1.0	15.0	0.0	0.0	0.0	-171.4	344.8	344.7	10.9
1.0	15.0	0.0	1.0	0.0	-108.6	228.7	227.2	2.3
1.0	15.0	0.0	0.0	0.0	-98.7	199.5	199.4	3.1
1.0	15.0	1.0	0.0	0.0	-85.9	183.3	181.8	1.5
1.0	15.0	0.0	1.0	0.0	-189.0	380.2	380.1	16.5
1.0	15.0	0.0	2.0	0.0	-119.2	250.0	248.4	6.3
1.0	15.0	0.0	0.0	0.0	-91.9	185.9	185.8	2.1
1.0	15.0	2.0	0.0	0.0	-75.3	162.1	160.5	2.3
0.9	15.0	0.0	4.0	0.0	-143.0	297.5	295.9	10.1
1.0	15.0	0.0	2.0	0.0	-129.1	269.7	268.2	4.3
1.0	15.0	0.0	1.0	0.0	-120.1	251.7	250.1	3.2
0.7	15.0	2.0	0.0	0.0	-102.9	225.9	221.9	4.2
1.0	15.0	0.0	1.0	0.0	-179.2	360.5	360.4	15.5
1.0	15.0	0.0	1.0	0.0	-119.5	250.6	249.1	4.0
1.0	15.0	2.0	0.0	0.0	-158.8	329.1	327.6	10.0
1.0	15.0	2.0	0.0	0.0	-143.0	297.6	296.0	7.1
1.0	15.0	0.0	0.0	0.0	-137.1	276.2	276.1	5.9
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	4.1
1.0	15.0	2.0	0.0	0.0	-142.2	296.0	294.4	6.3
1.0	15.0	2.0	0.0	0.0	-110.7	233.0	231.4	2.9
1.0	15.0	0.0	0.0	0.0	-164.4	330.8	330.8	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-144.1	299.8	298.3	5.7
1.0	15.0	2.0	1.0	0.0	-109.7	239.3	235.3	3.4
1.0	15.0	1.0	0.0	0.0	-131.8	265.7	265.6	6.1
1.0	15.0	0.0	4.0	0.0	-158.1	327.7	326.1	7.9
1.0	15.0	0.0	4.0	0.0	-142.0	295.6	294.1	7.3
1.0	15.0	3.0	1.0	0.0	-142.7	305.3	301.3	6.8
1.0	15.0	5.0	0.0	0.0	-123.5	258.4	256.9	5.0
1.0	15.0	0.0	1.0	0.0	-177.8	357.7	357.6	12.4
1.0	15.0	0.0	0.0	0.0	-122.2	246.5	246.4	6.0
1.0	15.0	1.0	0.0	0.0	-166.2	343.9	342.4	10.9
1.0	15.0	0.0	0.0	0.0	-117.2	236.4	236.3	4.4
1.0	15.0	0.0	1.0	0.0	-168.0	338.1	338.0	9.7
0.9	15.0	0.0	2.0	0.0	-122.4	256.4	254.9	4.3
1.0	15.0	2.0	0.0	0.0	-186.2	383.9	382.4	15.8
1.0	15.0	3.0	0.0	0.0	-151.8	315.1	313.6	8.4
1.0	15.0	0.0	0.0	0.0	-149.0	300.0	299.9	6.9
0.6	15.0	0.0	2.0	0.0	-152.8	317.1	315.6	11.8
1.0	15.0	2.0	0.0	0.0	-158.9	329.4	327.9	17.0
1.0	15.0	1.0	0.0	0.0	-143.1	297.8	296.2	8.1
1.0	15.0	0.0	0.0	0.0	-163.1	328.3	328.3	20.0
0.9	15.0	0.0	3.0	0.0	-128.8	269.1	267.6	4.5
1.0	15.0	2.0	0.0	0.0	-166.9	345.4	343.9	14.5
1.0	15.0	2.0	0.0	0.0	-137.5	286.6	285.1	11.2
1.0	15.0	0.0	0.0	0.0	-148.3	298.7	298.6	6.6
1.0	15.0	0.0	0.0	0.0	-127.4	256.9	256.8	3.9
1.0	15.0	2.0	0.0	0.0	-160.7	332.9	331.3	9.5
1.0	15.0	2.0	0.0	0.0	-122.7	256.9	255.4	4.0
1.0	15.0	0.0	0.0	0.0	-167.7	337.6	337.5	10.7
1.0	15.0	0.0	0.0	0.0	-125.4	252.9	252.8	5.4
0.9	15.0	1.0	0.0	0.0	-148.1	307.8	306.2	8.8
1.0	15.0	1.0	0.0	0.0	-132.4	276.3	274.8	6.4
1.0	15.0	0.0	0.0	0.0	-148.2	298.6	298.5	6.1
1.0	15.0	0.0	1.0	0.0	-113.3	238.2	236.7	2.7
1.0	15.0	1.0	0.0	0.0	-162.0	335.5	333.9	9.3
1.0	15.0	1.0	0.0	0.0	-152.0	315.5	314.0	7.4
1.0	15.0	0.0	0.0	0.0	-155.3	312.6	312.6	6.6
1.0	15.0	0.0	2.0	0.0	-111.2	233.8	232.3	2.5
1.0	15.0	3.0	0.0	0.0	-137.9	287.4	285.8	5.9
1.0	15.0	3.0	0.0	0.0	-132.2	276.0	274.5	5.3
1.0	15.0	0.0	0.0	0.0	-137.2	276.5	276.4	5.6
1.0	15.0	0.0	4.0	0.0	-120.4	252.4	250.9	4.6
1.0	15.0	2.0	0.0	0.0	-136.3	292.5	288.5	5.1
1.0	15.0	4.0	0.0	0.0	-148.2	316.4	312.4	9.5
1.0	15.0	0.0	1.0	0.0	-165.2	332.5	332.4	9.2
1.0	15.0	0.0	2.0	0.0	-130.1	271.8	270.3	5.0
0.6	15.0	3.0	2.0	0.0	-185.7	391.5	387.5	26.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	2.0	0.0	0.0	-145.4	302.3	300.8	11.2
1.0	15.0	0.0	1.0	0.0	-165.0	332.1	332.0	14.8
1.0	15.0	0.0	1.0	0.0	-138.4	288.4	286.9	5.7
1.0	15.0	0.0	0.0	0.0	-110.7	223.4	223.3	3.3
1.0	15.0	1.0	0.0	0.0	-118.9	249.3	247.7	5.7
1.0	15.0	0.0	0.0	0.0	-162.5	327.2	327.1	12.1
1.0	15.0	0.0	2.0	0.0	-135.3	282.0	280.5	13.5
1.0	15.0	0.0	0.0	0.0	-74.2	150.6	150.5	1.6
1.0	15.0	2.0	0.0	0.0	-101.9	215.3	213.8	13.0
1.0	15.0	0.0	2.0	0.0	-133.1	277.7	276.2	11.9
1.0	15.0	0.0	5.0	0.0	-153.7	318.9	317.4	6.4
1.0	15.0	6.0	0.0	0.0	-134.5	289.0	285.0	7.7
1.0	15.0	6.0	0.0	0.0	-163.4	338.4	336.9	12.0
0.8	15.0	0.0	2.0	0.0	-164.3	340.1	338.6	10.2
1.0	15.0	0.0	3.0	0.0	-137.4	286.4	284.9	6.0
1.0	15.0	0.0	0.0	0.0	-61.7	125.4	125.3	0.8
1.0	15.0	1.0	0.0	0.0	-64.9	141.3	139.7	0.7
1.0	15.0	0.0	0.0	0.0	-146.4	295.0	294.9	8.0
1.0	15.0	0.0	2.0	0.0	-106.4	224.4	222.8	2.3
1.0	15.0	0.0	0.0	0.0	-104.3	210.6	210.5	2.7
0.9	15.0	1.0	0.0	0.0	-96.5	204.5	203.0	1.1
1.0	15.0	0.0	0.0	0.0	-166.2	334.6	334.5	9.1
1.0	15.0	0.0	4.0	0.0	-141.8	295.1	293.6	6.9
1.0	15.0	2.0	1.0	0.0	-162.2	344.3	340.3	9.6
1.0	15.0	5.0	0.0	0.0	-167.6	355.2	351.2	11.5
1.0	15.0	0.0	0.0	0.0	-156.0	314.1	314.0	10.4
1.0	15.0	0.0	3.0	0.0	-133.4	278.4	276.9	4.9
0.5	15.0	0.0	2.0	0.0	-114.7	240.8	239.3	3.2
1.0	15.0	3.0	0.0	0.0	-131.6	274.7	273.1	9.1
1.0	15.0	0.0	0.0	0.0	-164.4	330.9	330.8	10.3
1.0	15.0	0.0	3.0	0.0	-109.7	231.0	229.5	3.0
1.0	15.0	0.0	0.0	0.0	-62.8	127.7	127.6	1.0
1.0	15.0	3.0	0.0	0.0	-103.5	218.5	217.0	12.3
1.0	15.0	0.0	3.0	0.0	-140.6	292.8	291.3	8.5
0.8	15.0	0.0	4.0	0.0	-147.3	314.7	310.7	10.8
1.0	15.0	5.0	0.0	0.0	-137.3	294.6	290.6	7.2
1.0	15.0	5.0	0.0	0.0	-138.0	296.0	292.0	15.5
1.0	15.0	0.0	1.0	0.0	-190.4	382.9	382.8	15.0
1.0	15.0	0.0	3.0	0.0	-130.4	272.4	270.9	4.2
1.0	15.0	0.0	0.0	0.0	-61.7	125.5	125.4	0.8
1.0	15.0	2.0	0.0	0.0	-71.8	155.2	153.7	2.5
1.0	15.0	0.0	0.0	0.0	-167.2	336.5	336.4	10.1
1.0	15.0	0.0	2.0	0.0	-118.2	248.0	246.5	3.3
1.0	15.0	0.0	0.0	0.0	-87.7	177.5	177.4	1.8
1.0	15.0	1.0	0.0	0.0	-106.8	225.1	223.6	2.3
1.0	15.0	0.0	0.0	0.0	-169.8	341.7	341.6	9.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	3.0	0.0	-129.5	279.1	275.0	6.7
1.0	15.0	4.0	2.0	0.0	-186.8	393.8	389.7	22.9
1.0	15.0	3.0	2.0	0.0	-158.7	337.5	333.3	14.0
1.0	15.0	0.0	3.0	0.0	-148.9	309.3	307.8	7.4
1.0	15.0	0.0	0.0	0.0	-121.0	244.1	244.0	3.5
1.0	15.0	1.0	0.0	0.0	-104.9	221.2	219.7	2.1
1.0	15.0	1.0	0.0	0.0	-104.2	220.0	218.5	2.6
1.0	15.0	0.0	1.0	0.0	-168.1	338.3	338.2	11.2
1.0	15.0	0.0	2.0	0.0	-119.8	251.0	249.5	3.6
1.0	15.0	0.0	0.0	0.0	-115.7	233.6	233.5	4.5
0.8	15.0	3.0	0.0	0.0	-93.4	206.8	202.8	2.9
1.0	15.0	0.0	1.0	0.0	-176.1	354.4	354.3	13.1
1.0	15.0	0.0	2.0	0.0	-128.5	268.6	267.1	5.1
1.0	15.0	4.0	0.0	0.0	-191.2	402.5	398.4	26.1
1.0	15.0	4.0	0.0	0.0	-159.6	339.4	335.3	15.4
1.0	15.0	0.0	1.0	0.0	-178.2	358.4	358.3	12.3
1.0	15.0	0.0	4.0	0.0	-131.7	274.9	273.4	5.1
1.0	15.0	0.0	0.0	0.0	-105.3	212.7	212.6	2.6
1.0	15.0	2.0	0.0	0.0	-118.7	249.0	247.4	3.4
1.0	15.0	0.0	0.0	0.0	-169.8	341.7	341.6	9.6
1.0	15.0	0.0	4.0	0.0	-109.3	230.1	228.5	2.4
1.0	15.0	0.0	0.0	0.0	-70.1	142.4	142.3	1.1
1.0	15.0	3.0	0.0	0.0	-86.7	184.8	183.3	3.0
1.0	15.0	5.0	0.0	0.0	-129.7	271.0	269.4	4.9
1.0	15.0	0.0	3.0	0.0	-138.8	289.1	287.6	4.9
1.0	15.0	0.0	0.0	0.0	-84.8	171.7	171.6	1.5
1.0	15.0	3.0	0.0	0.0	-100.9	213.3	211.7	2.1
1.0	15.0	0.0	0.0	0.0	-160.0	322.2	322.1	8.0
1.0	15.0	0.0	6.0	0.0	-133.7	279.0	277.4	5.2
1.0	15.0	0.0	0.0	0.0	-99.3	200.7	200.6	2.5
1.0	15.0	6.0	0.0	0.0	-118.2	247.9	246.4	3.8
1.0	15.0	0.0	2.0	0.0	-180.3	362.8	362.7	13.3
1.0	15.0	0.0	2.0	0.0	-119.5	250.6	249.1	5.0
1.0	15.0	2.0	0.0	0.0	-135.8	291.6	287.6	6.4
1.0	15.0	2.0	0.0	0.0	-136.3	284.2	282.6	6.0
1.0	15.0	0.0	1.0	0.0	-130.6	272.7	271.1	6.9
1.0	15.0	0.0	2.0	0.0	-115.0	241.5	240.0	2.9
0.8	15.0	3.0	1.0	0.0	-155.6	331.1	327.1	10.8
0.9	15.0	2.0	0.0	0.0	-125.0	261.5	260.0	4.7
1.0	15.0	0.0	1.0	0.0	-158.8	319.7	319.6	11.4
1.0	15.0	0.0	2.0	0.0	-135.3	282.2	280.7	6.6
1.0	15.0	3.0	1.0	0.0	-140.7	301.4	297.4	5.3
1.0	15.0	3.0	0.0	0.0	-139.8	291.2	289.6	6.6
1.0	15.0	0.0	2.0	0.0	-140.1	291.8	290.2	6.3
1.0	15.0	0.0	2.0	0.0	-129.2	269.9	268.4	5.1
0.9	15.0	4.0	0.0	0.0	-170.2	352.0	350.5	10.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	2.0	0.0	0.0	-133.1	277.7	276.2	8.9
1.0	15.0	0.0	0.0	0.0	-178.7	359.5	359.4	12.2
1.0	15.0	0.0	1.0	0.0	-127.7	266.9	265.4	4.7
1.0	15.0	0.0	0.0	0.0	-100.2	202.5	202.4	2.3
0.7	15.0	1.0	0.0	0.0	-87.2	186.0	184.4	2.1
1.0	15.0	0.0	1.0	0.0	-174.6	351.3	351.2	13.2
1.0	15.0	0.0	0.0	0.0	-126.2	254.5	254.4	4.6
1.0	15.0	3.0	0.0	0.0	-157.8	327.2	325.6	9.2
1.0	15.0	2.0	0.0	0.0	-126.5	264.5	262.9	4.6
1.0	15.0	0.0	0.0	0.0	-163.8	329.6	329.5	9.3
1.0	15.0	0.0	2.0	0.0	-118.8	249.1	247.6	3.6
1.0	15.0	2.0	0.0	0.0	-119.1	258.3	254.3	6.0
1.0	15.0	3.0	0.0	0.0	-128.7	268.9	267.4	7.3
1.0	15.0	0.0	3.0	0.0	-157.3	326.1	324.6	8.6
1.0	15.0	0.0	4.0	0.0	-135.9	291.9	287.9	9.5
1.0	15.0	2.0	3.0	0.0	-161.4	342.8	338.8	13.5
0.9	15.0	2.0	0.0	0.0	-168.0	355.9	351.9	14.4
1.0	15.0	0.0	0.0	0.0	-156.7	315.5	315.4	16.5
1.0	15.0	0.0	3.0	0.0	-115.7	243.0	241.4	3.3
1.0	15.0	0.0	0.0	0.0	-63.8	129.7	129.6	2.0
1.0	15.0	3.0	0.0	0.0	-109.1	229.7	228.2	7.3
1.0	15.0	1.0	2.0	0.0	-160.6	332.8	331.2	25.5
1.0	15.0	0.0	2.0	0.0	-120.2	251.9	250.3	4.6
1.0	15.0	2.0	0.0	0.0	-119.2	258.4	254.4	7.5
0.6	15.0	3.0	0.0	0.0	-120.2	260.4	256.4	7.5
1.0	15.0	0.0	0.0	0.0	-165.1	332.2	332.1	11.0
1.0	15.0	1.0	3.0	0.0	-147.8	307.2	305.6	8.8
1.0	15.0	2.0	0.0	0.0	-112.5	244.9	240.9	2.9
1.0	15.0	4.0	0.0	0.0	-137.5	286.5	285.0	9.6
1.0	15.0	1.0	2.0	0.0	-171.7	355.0	353.5	14.2
1.0	15.0	0.0	0.0	0.0	-135.7	273.5	273.4	6.1
1.0	15.0	4.0	0.0	0.0	-171.1	353.8	352.3	13.0
1.0	15.0	2.0	0.0	0.0	-130.0	271.6	270.1	6.2
1.0	15.0	0.0	0.0	0.0	-159.2	320.4	320.3	8.0
1.0	15.0	0.0	2.0	0.0	-130.7	273.0	271.5	4.5
1.0	15.0	4.0	0.0	0.0	-146.8	305.2	303.6	7.4
1.0	15.0	1.0	0.0	0.0	-148.0	307.5	306.0	8.1
1.0	15.0	0.0	0.0	0.0	-145.4	292.9	292.8	6.7
1.0	15.0	0.0	2.0	0.0	-130.1	271.8	270.3	4.4
0.6	15.0	4.0	0.0	0.0	-159.8	339.6	335.6	10.8
1.0	15.0	4.0	0.0	0.0	-139.3	290.1	288.6	5.4
1.0	15.0	0.0	0.0	0.0	-171.7	345.4	345.4	11.0
1.0	15.0	0.0	3.0	0.0	-296.7	604.2	603.5	7.2
1.0	15.0	2.0	0.0	0.0	-336.8	691.5	689.7	10.1
0.9	15.0	2.0	0.0	0.0	-338.1	694.0	692.2	12.8
1.0	15.0	0.0	0.0	0.0	-260.4	522.8	522.8	4.5



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-278.9	568.6	567.9	5.6
0.9	15.0	4.0	0.0	0.0	-360.5	731.6	730.9	21.0
0.9	15.0	4.0	0.0	0.0	-305.1	620.8	620.1	14.4
1.0	15.0	0.0	0.0	0.0	-289.7	581.4	581.4	7.3
1.0	15.0	0.0	2.0	0.0	-122.6	256.8	255.3	3.9
0.8	15.0	4.0	0.0	0.0	-132.5	285.0	281.0	4.3
1.0	15.0	2.0	0.0	0.0	-111.8	235.1	233.6	3.1
1.0	15.0	0.0	0.0	0.0	-159.4	321.0	320.9	7.8
1.0	15.0	0.0	1.0	0.0	-114.9	241.4	239.8	3.0
1.0	15.0	0.0	0.0	0.0	-107.9	218.0	217.9	3.2
1.0	15.0	1.0	0.0	0.0	-95.8	203.2	201.6	3.6
1.0	15.0	0.0	1.0	0.0	-148.1	307.8	306.3	6.5
1.0	15.0	0.0	8.0	0.0	-134.6	280.7	279.2	5.0
1.0	15.0	10.0	0.0	0.0	-159.3	330.2	328.7	7.9
1.0	15.0	10.0	0.0	0.0	-170.9	353.4	351.9	12.0
1.0	15.0	0.0	0.0	0.0	-142.8	287.8	287.7	5.9
0.9	15.0	0.0	2.0	0.0	-149.6	310.7	309.2	7.0
1.0	15.0	2.0	0.0	0.0	-145.8	303.0	301.5	7.9
1.0	15.0	2.0	0.0	0.0	-118.0	247.6	246.1	4.9
1.0	15.0	0.0	0.0	0.0	-175.8	353.7	353.6	11.6
1.0	15.0	0.0	0.0	0.0	-125.9	253.8	253.7	4.8
1.0	15.0	7.0	0.0	0.0	-108.2	228.0	226.5	3.7
1.0	15.0	7.0	0.0	0.0	-90.7	193.0	191.5	3.3
1.0	15.0	0.0	0.0	0.0	-153.7	309.5	309.4	8.6
1.0	15.0	0.0	0.0	0.0	-126.6	255.4	255.3	4.5
1.0	15.0	2.0	0.0	0.0	-163.9	339.4	337.8	12.3
0.9	15.0	2.0	0.0	0.0	-132.3	276.2	274.6	6.5
1.0	15.0	0.0	0.0	0.0	-137.6	277.3	277.2	7.6
1.0	15.0	0.0	1.0	0.0	-110.4	232.4	230.9	2.3
1.0	15.0	1.0	0.0	0.0	-104.3	220.1	218.6	2.9
1.0	15.0	1.0	0.0	0.0	-79.2	169.9	168.4	1.8
1.0	15.0	0.0	0.0	0.0	-168.7	339.4	339.3	9.4
1.0	15.0	0.0	2.0	0.0	-119.9	251.4	249.9	3.6
1.0	15.0	1.0	0.0	0.0	-153.4	318.3	316.8	8.2
1.0	15.0	2.0	0.0	0.0	-133.9	279.4	277.9	6.1
1.0	15.0	0.0	0.0	0.0	-134.4	270.9	270.8	5.7
1.0	15.0	0.0	2.0	0.0	-148.2	307.9	306.3	6.7
0.7	15.0	2.0	0.0	0.0	-171.7	363.5	359.5	11.5
1.0	15.0	3.0	0.0	0.0	-137.5	295.1	291.1	6.7
1.0	15.0	0.0	0.0	0.0	-172.8	347.7	347.6	11.7
1.0	15.0	0.0	2.0	0.0	-129.1	269.7	268.2	5.2
1.0	15.0	3.0	0.0	0.0	-144.0	299.6	298.0	5.9
1.0	15.0	3.0	0.0	0.0	-141.9	295.4	293.8	6.1
1.0	15.0	0.0	0.0	0.0	-144.2	290.5	290.4	6.2
1.0	15.0	0.0	2.0	0.0	-116.2	244.0	242.4	3.5
1.0	15.0	2.0	0.0	0.0	-156.2	323.9	322.3	9.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-111.2	234.0	232.4	3.0
1.0	15.0	0.0	0.0	0.0	-154.3	310.7	310.6	7.2
1.0	15.0	0.0	0.0	0.0	-122.1	246.3	246.2	3.3
1.0	15.0	1.0	0.0	0.0	-102.5	216.5	215.0	1.7
0.6	15.0	1.0	0.0	0.0	-100.3	212.2	210.7	1.7
1.0	15.0	0.0	0.0	0.0	-168.4	338.9	338.8	9.1
1.0	15.0	0.0	0.0	0.0	-130.1	262.3	262.2	4.6
1.0	15.0	2.0	0.0	0.0	-152.4	316.4	314.8	8.2
1.0	15.0	2.0	0.0	0.0	-120.8	253.2	251.7	5.0
1.0	15.0	0.0	0.0	0.0	-141.3	284.6	284.5	5.4
1.0	15.0	0.0	0.0	0.0	-148.2	298.4	298.3	6.9
1.0	15.0	3.0	0.0	0.0	-136.6	284.8	283.2	5.1
1.0	15.0	2.0	0.0	0.0	-124.8	261.1	259.6	3.9
1.0	15.0	0.0	0.0	0.0	-123.3	248.6	248.5	5.5
1.0	15.0	0.0	4.0	0.0	-135.3	282.2	280.6	10.4
1.0	15.0	0.0	2.0	0.0	-134.5	280.6	279.0	4.5
1.0	15.0	2.0	0.0	0.0	-134.0	279.5	278.0	9.7
1.0	15.0	0.0	2.0	0.0	-137.6	286.8	285.3	12.7
0.9	15.0	0.0	4.0	0.0	-137.6	286.8	285.2	11.9
1.0	15.0	0.0	3.0	0.0	-193.6	398.8	397.3	34.9
0.8	15.0	1.0	0.0	0.0	-155.3	330.7	326.6	11.7
1.0	15.0	0.0	3.0	0.0	-180.1	371.8	370.3	18.4
1.0	15.0	0.0	2.0	0.0	-138.0	287.5	285.9	5.2
1.0	15.0	0.0	0.0	0.0	-101.0	204.2	204.1	2.7
1.0	15.0	2.0	0.0	0.0	-117.9	247.3	245.8	3.7
1.0	15.0	0.0	2.0	0.0	-154.8	321.1	319.5	8.1
1.0	15.0	0.0	4.0	0.0	-120.4	252.4	250.8	3.6
1.0	15.0	0.0	0.0	0.0	-63.9	129.9	129.8	0.9
1.0	15.0	3.0	0.0	0.0	-101.3	214.2	212.6	5.6
0.5	15.0	1.0	3.0	0.0	-133.2	286.4	282.4	5.4
1.0	15.0	0.0	3.0	0.0	-147.8	307.1	305.6	7.2
1.0	15.0	2.0	0.0	0.0	-140.1	291.7	290.2	16.2
1.0	15.0	3.0	0.0	0.0	-158.7	328.9	327.4	40.6
1.0	15.0	0.0	3.0	0.0	-161.0	333.4	331.9	10.8
1.0	15.0	0.0	3.0	0.0	-129.0	269.5	267.9	5.1
1.0	15.0	0.0	0.0	0.0	-62.8	127.7	127.6	1.0
1.0	15.0	1.0	0.0	0.0	-74.1	159.7	158.2	3.2
1.0	15.0	0.0	2.0	0.0	-173.5	358.6	357.1	15.9
1.0	15.0	0.0	3.0	0.0	-156.2	324.0	322.4	12.9
0.9	15.0	3.0	0.0	0.0	-113.9	247.8	243.8	3.7
1.0	15.0	3.0	0.0	0.0	-150.3	312.2	310.7	25.2
1.0	15.0	0.0	2.0	0.0	-171.1	353.7	352.2	20.7
1.0	15.0	0.0	1.0	0.0	-113.5	238.5	236.9	3.5
1.0	15.0	2.0	0.0	0.0	-122.1	264.2	260.2	3.8
1.0	15.0	2.0	0.0	0.0	-112.3	236.1	234.5	2.8
1.0	15.0	0.0	1.0	0.0	-144.4	300.3	298.7	6.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-124.8	261.1	259.5	4.3
0.9	15.0	2.0	0.0	0.0	-172.5	356.5	355.0	23.9
0.9	15.0	2.0	0.0	0.0	-134.3	280.1	278.6	9.4
1.0	15.0	0.0	1.0	0.0	-154.3	310.6	310.5	15.8
1.0	15.0	1.0	1.0	0.0	-123.3	258.2	256.6	4.4
1.0	15.0	2.0	0.0	0.0	-144.3	300.2	298.7	5.7
1.0	15.0	1.0	0.0	0.0	-136.3	284.1	282.6	5.1
1.0	15.0	0.0	0.0	0.0	-143.7	289.6	289.5	6.2
1.0	15.0	0.0	0.0	0.0	-120.8	243.8	243.7	4.8
1.0	15.0	2.0	0.0	0.0	-155.6	322.8	321.3	8.2
1.0	15.0	1.0	0.0	0.0	-110.3	232.2	230.7	2.6
1.0	15.0	0.0	0.0	0.0	-163.1	328.3	328.2	8.4
1.0	15.0	0.0	2.0	0.0	-123.0	257.5	256.0	4.7
1.0	15.0	1.0	0.0	0.0	-154.4	328.9	324.9	8.4
0.6	15.0	2.0	0.0	0.0	-140.1	300.1	296.1	6.8
1.0	15.0	0.0	1.0	0.0	-144.1	299.7	298.1	6.4
1.0	15.0	0.0	2.0	0.0	-125.9	263.3	261.7	6.1
1.0	15.0	2.0	0.0	0.0	-174.0	359.6	358.1	30.4
0.7	15.0	2.0	0.0	0.0	-133.1	286.2	282.2	10.8
0.7	15.0	0.0	1.0	0.0	-153.2	308.4	308.3	16.4
1.0	15.0	0.0	1.0	0.0	-110.3	232.1	230.5	3.5
1.0	15.0	0.0	0.0	0.0	-63.8	129.8	129.7	0.9
0.7	15.0	1.0	0.0	0.0	-80.0	171.5	169.9	8.4
1.0	15.0	0.0	1.0	0.0	-146.3	304.1	302.5	7.0
1.0	15.0	0.0	1.0	0.0	-126.5	264.5	263.0	4.8
1.0	15.0	0.0	0.0	0.0	-106.3	214.8	214.7	2.5
1.0	15.0	1.0	0.0	0.0	-107.6	226.8	225.3	3.3
1.0	15.0	0.0	1.0	0.0	-164.8	341.1	339.6	8.4
1.0	15.0	0.0	1.0	0.0	-120.1	251.7	250.2	3.4
0.7	15.0	3.0	0.0	0.0	-152.4	324.8	320.8	7.4
1.0	15.0	1.0	0.0	0.0	-148.0	307.6	306.1	7.0
1.0	15.0	0.0	1.0	0.0	-138.1	287.8	286.2	6.7
1.0	15.0	0.0	1.0	0.0	-124.0	259.5	257.9	4.2
1.0	15.0	1.0	0.0	0.0	-91.2	184.6	184.5	11.0
1.0	15.0	2.0	0.0	0.0	-106.5	224.6	223.1	8.6
1.0	15.0	0.0	1.0	0.0	-169.3	340.7	340.6	15.3
1.0	15.0	0.0	1.0	0.0	-110.0	231.6	230.1	2.8
1.0	15.0	2.0	0.0	0.0	-160.0	331.5	330.0	10.2
1.0	15.0	2.0	0.0	0.0	-127.0	265.5	264.0	5.4
1.0	15.0	0.0	0.0	0.0	-139.9	281.8	281.7	5.2
1.0	15.0	0.0	0.0	0.0	-142.4	286.8	286.7	5.8
1.0	15.0	1.0	0.0	0.0	-155.7	322.9	321.4	9.2
1.0	15.0	2.0	0.0	0.0	-124.8	261.2	259.6	3.9
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	7.1
1.0	15.0	0.0	0.0	0.0	-126.3	254.7	254.6	4.3
1.0	15.0	4.0	0.0	0.0	-176.7	364.9	363.4	12.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-140.3	292.2	290.6	5.8
1.0	15.0	0.0	0.0	0.0	-137.6	277.2	277.2	5.4
1.0	15.0	0.0	0.0	0.0	-156.3	314.6	314.5	7.5
1.0	15.0	1.0	0.0	0.0	-99.5	210.5	209.0	1.5
1.0	15.0	1.0	0.0	0.0	-101.5	214.4	212.9	2.1
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.1	5.4
0.7	15.0	0.0	8.0	0.0	-170.1	360.2	356.2	13.3
0.8	15.0	1.0	7.0	0.0	-157.8	335.6	331.6	20.3
1.0	15.0	2.0	0.0	0.0	-170.5	361.0	357.0	18.2
1.0	15.0	1.0	4.0	0.0	-192.2	395.9	394.3	25.8
1.0	15.0	0.0	4.0	0.0	-161.4	334.3	332.7	14.6
1.0	15.0	2.0	8.0	0.0	-245.5	511.0	507.0	59.0
0.6	15.0	1.0	8.0	0.0	-206.7	433.4	429.4	27.2
1.0	15.0	0.0	10.0	0.0	-187.4	386.3	384.8	23.9
1.0	15.0	2.0	3.0	0.0	-162.1	344.2	340.2	12.9
1.0	15.0	0.0	0.0	0.0	-138.7	279.4	279.3	5.4
1.0	15.0	3.0	1.0	0.0	-161.7	343.4	339.4	19.7
1.0	15.0	0.0	1.0	0.0	-203.0	408.2	408.1	22.2
1.0	15.0	0.0	2.0	0.0	-173.6	358.7	357.2	25.9
1.0	15.0	0.0	0.0	0.0	-62.5	127.2	127.1	0.8
1.0	15.0	1.0	0.0	0.0	-150.7	313.0	311.4	29.7
1.0	15.0	0.0	2.0	0.0	-188.7	388.9	387.4	33.3
1.0	15.0	0.0	9.0	0.0	-168.8	357.7	353.7	12.2
1.0	15.0	3.0	0.0	0.0	-148.9	317.7	313.7	8.9
1.0	15.0	8.0	0.0	0.0	-179.6	379.3	375.3	20.8
0.6	15.0	3.0	5.0	0.0	-220.8	461.5	457.5	33.8
1.0	15.0	0.0	9.0	0.0	-155.2	330.4	326.4	10.7
1.0	15.0	0.0	0.0	0.0	-89.1	180.2	180.1	1.5
1.0	15.0	2.0	0.0	0.0	-94.7	209.3	205.3	4.7
0.8	15.0	1.0	4.0	0.0	-206.6	415.3	415.2	34.9
1.0	15.0	0.0	7.0	0.0	-123.2	266.5	262.5	4.7
1.0	15.0	2.0	6.0	0.0	-143.6	307.1	303.1	7.9
1.0	15.0	2.0	0.0	0.0	-165.5	351.1	347.1	17.4
1.0	15.0	0.0	4.0	0.0	-180.8	373.1	371.5	20.2
1.0	15.0	2.0	3.0	0.0	-163.6	347.3	343.3	13.2
1.0	15.0	0.0	0.0	0.0	-136.0	274.0	273.9	8.1
1.0	15.0	2.0	0.0	0.0	-146.0	312.0	308.0	11.7
1.0	15.0	1.0	1.0	0.0	-186.2	374.4	374.3	16.1
0.8	15.0	0.0	8.0	0.0	-158.0	327.5	325.9	10.0
0.9	15.0	2.0	0.0	0.0	-123.4	258.3	256.7	6.7
1.0	15.0	3.0	0.0	0.0	-133.5	286.9	282.9	11.5
1.0	15.0	0.0	7.0	0.0	-196.9	413.8	409.8	19.0
1.0	15.0	0.0	7.0	0.0	-144.3	308.7	304.7	7.1
1.0	15.0	0.0	0.0	0.0	-82.8	167.8	167.7	1.5
1.0	15.0	3.0	0.0	0.0	-80.4	180.8	176.8	2.6
1.0	15.0	0.0	2.0	0.0	-205.6	413.4	413.3	29.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	8.0	0.0	-164.7	349.5	345.5	10.0
1.0	15.0	1.0	7.0	0.0	-166.6	353.2	349.2	17.3
0.6	15.0	2.0	0.0	0.0	-180.6	381.3	377.3	17.8
0.9	15.0	1.0	6.0	0.0	-200.1	411.7	410.2	38.6
0.8	15.0	2.0	0.0	0.0	-162.6	336.7	335.1	14.5
0.7	15.0	5.0	1.0	0.0	-238.6	479.3	479.2	55.4
0.6	15.0	2.0	1.0	0.0	-201.5	423.0	419.0	28.5
1.0	15.0	0.0	7.0	0.0	-195.2	401.9	400.4	20.6
0.5	15.0	4.0	3.0	0.0	-186.1	392.3	388.3	15.7
1.0	15.0	0.0	0.0	0.0	-148.3	298.7	298.6	7.1
0.5	15.0	2.0	0.0	0.0	-173.4	366.9	362.9	14.9
0.8	15.0	0.0	3.0	0.0	-210.0	422.1	422.0	27.4
1.0	15.0	0.0	2.0	0.0	-176.6	364.7	363.2	28.9
1.0	15.0	0.0	0.0	0.0	-65.8	133.6	133.5	1.0
0.8	15.0	2.0	0.0	0.0	-169.2	350.0	348.5	33.9
0.9	15.0	0.0	8.0	0.0	-209.2	430.0	428.5	35.0
1.0	15.0	0.0	7.0	0.0	-149.6	319.2	315.2	8.0
1.0	15.0	1.0	0.0	0.0	-129.2	278.5	274.5	6.3
1.0	15.0	4.0	0.0	0.0	-138.4	296.9	292.9	7.3
1.0	15.0	0.0	9.0	0.0	-194.1	408.2	404.2	17.8
1.0	15.0	0.0	1.0	0.0	-130.7	272.8	271.3	4.1
0.9	15.0	1.0	2.0	0.0	-120.9	253.4	251.9	4.1
1.0	15.0	1.0	0.0	0.0	-115.9	243.4	241.9	3.5
1.0	15.0	0.0	2.0	0.0	-161.5	334.5	333.0	9.0
1.0	15.0	0.0	5.0	0.0	-148.0	307.4	305.9	6.7
1.0	15.0	1.0	3.0	0.0	-159.7	339.3	335.3	14.4
1.0	15.0	2.0	1.0	0.0	-169.5	359.0	355.0	15.9
1.0	15.0	2.0	2.0	0.0	-135.5	290.9	286.9	5.2
0.9	15.0	0.0	1.0	0.0	-153.8	319.2	317.7	11.1
0.9	15.0	3.0	2.0	0.0	-217.2	454.5	450.5	57.5
1.0	15.0	3.0	3.0	0.0	-187.1	394.1	390.1	25.4
1.0	15.0	0.0	5.0	0.0	-172.6	356.8	355.3	11.3
1.0	15.0	2.0	3.0	0.0	-154.2	328.5	324.5	7.6
1.0	15.0	0.0	0.0	0.0	-135.4	273.0	272.9	7.0
1.0	15.0	3.0	0.0	0.0	-160.1	331.7	330.1	14.8
1.0	15.0	0.0	4.0	0.0	-189.3	390.3	388.7	16.6
0.9	15.0	0.0	3.0	0.0	-132.8	277.1	275.5	10.9
1.0	15.0	0.0	0.0	0.0	-77.2	156.6	156.5	5.1
1.0	15.0	3.0	0.0	0.0	-118.8	257.6	253.6	15.4
1.0	15.0	0.0	4.0	0.0	-175.4	362.3	360.8	31.1
1.0	15.0	0.0	5.0	0.0	-148.1	307.8	306.2	8.4
1.0	15.0	1.0	0.0	0.0	-123.0	265.9	261.9	5.0
1.0	15.0	6.0	0.0	0.0	-144.4	300.3	298.8	13.5
1.0	15.0	2.0	5.0	0.0	-198.2	416.4	412.4	23.0
0.9	15.0	0.0	5.0	0.0	-147.1	305.8	304.3	7.4
1.0	15.0	0.0	0.0	0.0	-76.8	155.8	155.7	1.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-75.3	162.1	160.6	1.7
1.0	15.0	0.0	3.0	0.0	-177.4	366.4	364.9	17.9
1.0	15.0	0.0	5.0	0.0	-139.8	291.1	289.5	6.2
0.9	15.0	1.0	5.0	0.0	-144.5	309.0	305.0	13.1
1.0	15.0	2.0	3.0	0.0	-141.3	302.6	298.6	17.0
1.0	15.0	1.0	3.0	0.0	-154.4	328.8	324.8	10.7
1.0	15.0	0.0	3.0	0.0	-144.7	300.8	299.3	6.0
1.0	15.0	3.0	3.0	0.0	-202.8	425.6	421.6	26.9
1.0	15.0	5.0	3.0	0.0	-154.3	328.7	324.7	11.9
1.0	15.0	0.0	6.0	0.0	-174.3	360.2	358.7	19.3
1.0	15.0	0.0	3.0	0.0	-152.0	315.6	314.1	19.0
1.0	15.0	0.0	0.0	0.0	-75.0	152.1	152.0	1.4
1.0	15.0	3.0	0.0	0.0	-135.8	283.1	281.5	19.5
0.7	15.0	0.0	3.0	0.0	-164.9	349.8	345.8	24.2
1.0	15.0	0.0	2.0	0.0	-146.2	304.0	302.5	5.9
1.0	15.0	8.0	0.0	0.0	-173.5	367.0	363.0	13.3
1.0	15.0	8.0	0.0	0.0	-167.1	345.7	344.2	10.2
1.0	15.0	0.0	7.0	0.0	-210.8	433.2	431.7	27.4
1.0	15.0	0.0	2.0	0.0	-175.4	362.3	360.7	13.5
1.0	15.0	0.0	0.0	0.0	-85.3	172.8	172.7	1.8
1.0	15.0	1.0	0.0	0.0	-75.0	161.5	160.0	1.4
1.0	15.0	0.0	2.0	0.0	-170.1	351.8	350.2	17.3
1.0	15.0	0.0	2.0	0.0	-117.1	245.6	244.1	3.3
1.0	15.0	2.0	0.0	0.0	-113.5	247.0	243.0	3.1
1.0	15.0	2.0	0.0	0.0	-117.8	247.1	245.5	5.0
1.0	15.0	0.0	2.0	0.0	-153.2	318.0	316.4	6.3
1.0	15.0	0.0	7.0	0.0	-338.7	688.2	687.5	12.2
1.0	15.0	0.0	6.0	0.0	-347.3	705.3	704.6	16.2
1.0	15.0	3.0	0.0	0.0	-366.5	743.7	743.0	17.7
1.0	15.0	0.0	5.0	0.0	-322.7	656.2	655.5	17.8
1.0	15.0	5.0	1.0	0.0	-374.2	759.1	758.3	17.4
1.0	15.0	1.0	0.0	0.0	-278.1	566.9	566.2	8.4
1.0	15.0	1.0	2.0	0.0	-349.2	709.1	708.4	14.4
1.0	15.0	0.0	4.0	0.0	-399.3	809.3	808.6	24.0
0.9	15.0	0.0	4.0	0.0	-333.0	676.8	676.0	21.5
1.0	15.0	0.0	0.0	0.0	-158.3	318.7	318.7	2.0
1.0	15.0	4.0	0.0	0.0	-338.4	687.5	686.8	27.1
1.0	15.0	0.0	6.0	0.0	-390.8	792.3	791.6	29.5
1.0	15.0	0.0	2.0	0.0	-320.4	651.5	650.8	8.4
0.5	15.0	9.0	0.0	0.0	-369.9	757.7	755.9	15.9
1.0	15.0	8.0	0.0	0.0	-364.9	740.4	739.7	20.2
1.0	15.0	0.0	6.0	0.0	-413.9	838.5	837.8	23.4
1.0	15.0	0.0	6.0	0.0	-331.4	673.6	672.9	12.3
1.0	15.0	0.0	0.0	0.0	-183.4	368.8	368.8	2.3
1.0	15.0	3.0	0.0	0.0	-167.4	345.5	344.8	1.8
1.0	15.0	1.0	4.0	0.0	-391.3	793.3	792.6	18.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-291.6	594.0	593.3	5.8
1.0	15.0	3.0	0.0	0.0	-257.3	532.3	530.5	4.7
1.0	15.0	3.0	0.0	0.0	-262.4	535.4	534.7	5.6
1.0	15.0	0.0	3.0	0.0	-314.2	639.1	638.4	13.7
1.0	15.0	0.0	3.0	0.0	-149.4	310.3	308.8	7.8
1.0	15.0	3.0	0.0	0.0	-161.2	334.0	332.5	15.3
0.9	15.0	3.0	0.0	0.0	-131.0	273.6	272.0	7.1
1.0	15.0	0.0	0.0	0.0	-169.6	341.2	341.1	11.7
1.0	15.0	0.0	3.0	0.0	-130.0	271.6	270.0	4.4
0.9	15.0	4.0	0.0	0.0	-155.6	322.7	321.1	7.7
1.0	15.0	4.0	0.0	0.0	-138.3	288.1	286.5	6.3
1.0	15.0	0.0	0.0	0.0	-145.2	292.5	292.4	6.7
1.0	15.0	0.0	2.0	0.0	-127.3	266.2	264.7	5.8
1.0	15.0	0.0	0.0	0.0	-84.7	171.5	171.4	2.8
1.0	15.0	1.0	0.0	0.0	-95.8	203.1	201.5	6.5
1.0	15.0	0.0	1.0	0.0	-150.2	311.9	310.4	8.0
1.0	15.0	0.0	3.0	0.0	-114.4	240.4	238.9	2.8
1.0	15.0	5.0	0.0	0.0	-154.9	321.3	319.8	7.4
1.0	15.0	5.0	0.0	0.0	-150.0	311.5	310.0	6.7
1.0	15.0	0.0	0.0	0.0	-150.4	303.0	302.9	6.3
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.8	6.3
1.0	15.0	2.0	0.0	0.0	-187.0	385.6	384.0	14.4
1.0	15.0	3.0	0.0	0.0	-149.5	310.5	309.0	7.0
1.0	15.0	0.0	0.0	0.0	-132.2	266.4	266.3	4.4
1.0	15.0	0.0	2.0	0.0	-121.9	255.3	253.8	4.0
0.9	15.0	3.0	0.0	0.0	-154.4	320.4	318.8	8.1
1.0	15.0	2.0	0.0	0.0	-126.8	265.1	263.5	4.4
1.0	15.0	0.0	0.0	0.0	-177.4	357.0	356.9	12.7
1.0	15.0	0.0	0.0	0.0	-125.7	253.4	253.3	5.3
1.0	15.0	2.0	0.0	0.0	-158.0	327.5	326.0	9.4
1.0	15.0	1.0	0.0	0.0	-119.4	250.3	248.7	3.8
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	8.0
1.0	15.0	0.0	2.0	0.0	-123.3	258.2	256.6	4.2
1.0	15.0	2.0	0.0	0.0	-168.6	348.9	347.3	12.0
1.0	15.0	2.0	0.0	0.0	-143.0	297.6	296.1	6.1
1.0	15.0	0.0	0.0	0.0	-167.1	336.4	336.3	9.5
1.0	15.0	0.0	4.0	0.0	-128.7	269.0	267.5	4.8
1.0	15.0	1.0	3.0	0.0	-124.4	268.7	264.7	3.9
1.0	15.0	1.0	0.0	0.0	-112.6	245.2	241.2	3.1
1.0	15.0	3.0	2.0	0.0	-144.3	308.6	304.6	6.8
1.0	15.0	0.0	1.0	0.0	-159.5	321.0	320.9	13.0
1.0	15.0	4.0	1.0	0.0	-190.0	400.0	396.0	37.0
1.0	15.0	1.0	1.0	0.0	-167.5	354.9	350.9	19.8
1.0	15.0	0.0	2.0	0.0	-161.3	334.0	332.5	10.8
1.0	15.0	0.0	3.0	0.0	-110.4	232.4	230.8	5.4
1.0	15.0	0.0	0.0	0.0	-62.7	127.6	127.5	1.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-101.2	213.9	212.3	9.0
1.0	15.0	1.0	3.0	0.0	-155.9	331.7	327.7	14.2
1.0	15.0	0.0	4.0	0.0	-138.2	287.9	286.4	5.8
1.0	15.0	2.0	0.0	0.0	-114.7	249.5	245.5	4.3
1.0	15.0	5.0	0.0	0.0	-142.5	296.5	294.9	11.9
1.0	15.0	0.0	4.0	0.0	-155.7	322.9	321.3	7.6
1.0	15.0	0.0	2.0	0.0	-116.1	243.6	242.1	3.1
1.0	15.0	1.0	1.0	0.0	-117.7	255.4	251.4	4.5
1.0	15.0	1.0	0.0	0.0	-91.0	202.1	198.1	2.3
1.0	15.0	0.0	1.0	0.0	-177.8	357.8	357.7	12.8
1.0	15.0	0.0	4.0	0.0	-129.5	270.5	269.0	5.7
1.0	15.0	2.0	3.0	0.0	-150.6	321.2	317.2	7.9
1.0	15.0	1.0	0.0	0.0	-155.0	330.1	326.1	7.6
1.0	15.0	2.0	2.0	0.0	-146.0	312.0	308.0	14.3
1.0	15.0	0.0	2.0	0.0	-151.4	314.3	312.7	10.2
0.5	15.0	5.0	1.0	0.0	-202.5	425.1	421.1	49.2
1.0	15.0	4.0	1.0	0.0	-169.9	359.8	355.8	28.4
1.0	15.0	0.0	1.0	0.0	-173.8	359.1	357.5	18.7
1.0	15.0	0.0	3.0	0.0	-122.3	256.2	254.7	8.4
1.0	15.0	0.0	0.0	0.0	-68.4	138.8	138.7	1.1
1.0	15.0	3.0	0.0	0.0	-102.9	217.3	215.7	9.4
1.0	15.0	1.0	3.0	0.0	-172.2	355.9	354.3	21.2
1.0	15.0	0.0	3.0	0.0	-152.5	316.5	314.9	10.5
1.0	15.0	3.0	0.0	0.0	-111.4	242.9	238.9	3.2
1.0	15.0	4.0	0.0	0.0	-135.9	283.4	281.8	10.6
1.0	15.0	0.0	5.0	0.0	-178.8	369.0	367.5	14.9
1.0	15.0	0.0	2.0	0.0	-167.7	346.8	345.3	10.5
1.0	15.0	0.0	0.0	0.0	-82.5	167.0	167.0	1.4
1.0	15.0	2.0	0.0	0.0	-70.0	151.6	150.1	1.2
1.0	15.0	1.0	2.0	0.0	-178.7	369.0	367.5	17.5
1.0	15.0	0.0	1.0	0.0	-116.4	244.3	242.8	3.6
1.0	15.0	1.0	2.0	0.0	-105.3	230.6	226.6	2.0
1.0	15.0	1.0	0.0	0.0	-111.0	233.4	231.9	3.8
1.0	15.0	0.0	2.0	0.0	-146.8	305.1	303.6	6.6
1.0	15.0	0.0	1.0	0.0	-114.0	239.5	238.0	2.9
1.0	15.0	3.0	1.0	0.0	-124.5	269.0	265.0	4.0
1.0	15.0	1.0	0.0	0.0	-141.5	294.5	292.9	6.2
1.0	15.0	0.0	1.0	0.0	-144.1	299.7	298.2	6.1
1.0	15.0	0.0	2.0	0.0	-123.4	258.5	256.9	7.8
1.0	15.0	2.0	2.0	0.0	-173.4	366.9	362.8	26.1
1.0	15.0	2.0	1.0	0.0	-135.4	290.9	286.7	10.9
1.0	15.0	0.0	2.0	0.0	-131.1	273.7	272.1	7.2
1.0	15.0	1.0	1.0	0.0	-158.4	328.4	326.9	9.3
1.0	15.0	0.0	2.0	0.0	-108.7	229.0	227.5	2.6
0.9	15.0	1.0	1.0	0.0	-146.1	303.6	302.1	20.3
1.0	15.0	0.0	3.0	0.0	-155.3	322.2	320.7	7.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-106.7	225.0	223.4	2.3
1.0	15.0	0.0	0.0	0.0	-66.8	135.7	135.7	1.0
1.0	15.0	1.0	0.0	0.0	-82.0	175.6	174.0	6.1
1.0	15.0	0.0	1.0	0.0	-142.6	296.8	295.2	13.0
1.0	15.0	0.0	1.0	0.0	-131.8	275.2	273.7	5.2
1.0	15.0	0.0	0.0	0.0	-83.7	169.4	169.3	3.0
1.0	15.0	1.0	0.0	0.0	-108.5	228.6	227.1	6.2
1.0	15.0	0.0	2.0	0.0	-152.2	316.0	314.4	7.3
1.0	15.0	0.0	1.0	0.0	-137.3	286.0	284.5	6.1
1.0	15.0	0.0	0.0	0.0	-76.0	154.1	154.0	2.0
1.0	15.0	1.0	0.0	0.0	-68.0	147.6	146.0	1.0
1.0	15.0	0.0	1.0	0.0	-177.9	367.4	365.8	13.0
1.0	15.0	0.0	2.0	0.0	-130.6	272.8	271.2	12.4
1.0	15.0	0.0	1.0	0.0	-97.6	197.2	197.1	4.8
1.0	15.0	2.0	0.0	0.0	-117.7	246.9	245.3	12.9
1.0	15.0	0.0	2.0	0.0	-162.7	337.0	335.5	14.8
1.0	15.0	0.0	0.0	0.0	-131.6	265.4	265.3	5.7
1.0	15.0	1.0	0.0	0.0	-159.6	330.6	329.1	8.4
1.0	15.0	1.0	0.0	0.0	-117.9	247.4	245.8	3.4
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	6.9
1.0	15.0	0.0	2.0	0.0	-119.1	249.8	248.2	4.2
1.0	15.0	0.0	0.0	0.0	-134.2	270.5	270.4	4.7
1.0	15.0	2.0	0.0	0.0	-121.0	253.6	252.1	5.7
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	6.7
1.0	15.0	0.0	0.0	0.0	-112.8	227.7	227.6	3.8
1.0	15.0	2.0	0.0	0.0	-119.5	259.1	255.1	13.3
1.0	15.0	2.0	0.0	0.0	-116.8	253.7	249.7	12.9
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	9.5
1.0	15.0	0.0	2.0	0.0	-125.4	262.4	260.9	5.1
1.0	15.0	2.0	2.0	0.0	-163.4	346.9	342.9	24.1
1.0	15.0	1.0	0.0	0.0	-156.0	332.1	328.1	20.0
1.0	15.0	0.0	2.0	0.0	-151.8	315.1	313.6	7.2
1.0	15.0	0.0	2.0	0.0	-118.6	248.8	247.2	8.3
1.0	15.0	0.0	0.0	0.0	-68.8	139.7	139.6	10.2
1.0	15.0	2.0	0.0	0.0	-96.6	204.7	203.2	10.3
1.0	15.0	0.0	2.0	0.0	-148.5	308.5	307.0	11.6
1.0	15.0	0.0	1.0	0.0	-124.9	261.3	259.8	3.7
1.0	15.0	0.0	0.0	0.0	-87.6	177.2	177.1	1.8
1.0	15.0	1.0	0.0	0.0	-102.7	216.9	215.4	2.9
1.0	15.0	0.0	2.0	0.0	-167.7	347.0	345.5	10.3
1.0	15.0	0.0	1.0	0.0	-124.9	261.3	259.8	4.1
1.0	15.0	0.0	0.0	0.0	-70.0	142.2	142.1	1.2
1.0	15.0	1.0	0.0	0.0	-66.8	145.2	143.6	1.3
1.0	15.0	0.0	1.0	0.0	-150.7	313.0	311.3	10.4
1.0	15.0	0.0	1.0	0.0	-139.6	290.8	289.3	5.1
1.0	15.0	0.0	0.0	0.0	-109.6	221.3	221.2	3.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-111.7	235.0	233.5	7.4
1.0	15.0	0.0	1.0	0.0	-158.5	328.5	327.0	7.7
1.0	15.0	0.0	0.0	0.0	-127.4	257.0	256.9	4.5
1.0	15.0	2.0	0.0	0.0	-133.8	279.1	277.5	17.8
1.0	15.0	2.0	0.0	0.0	-131.5	274.5	273.0	13.0
1.0	15.0	0.0	0.0	0.0	-159.8	321.7	321.6	9.1
1.0	15.0	0.0	1.0	0.0	-127.3	266.1	264.5	4.0
1.0	15.0	0.0	0.0	0.0	-108.5	219.2	219.1	3.9
1.0	15.0	1.0	0.0	0.0	-125.1	261.8	260.2	36.7
1.0	15.0	0.0	1.0	0.0	-150.9	313.3	311.8	6.8
1.0	15.0	0.0	0.0	0.0	-144.1	290.3	290.3	5.3
1.0	15.0	2.0	0.0	0.0	-127.7	266.9	265.4	4.0
1.0	15.0	2.0	0.0	0.0	-120.8	253.2	251.7	3.5
1.0	15.0	0.0	0.0	0.0	-139.7	281.5	281.4	5.7
1.0	15.0	0.0	0.0	0.0	-782.8	1567.7	1567.7	4.8
1.0	15.0	1.0	0.0	0.0	-1014.2	2038.7	2038.5	11.0
1.0	15.0	2.0	0.0	0.0	-824.3	1658.8	1658.6	6.5
1.0	15.0	0.0	0.0	0.0	-940.3	1882.6	1882.6	7.7
0.8	15.0	0.0	1.0	0.0	-131.9	275.2	273.7	6.1
0.7	15.0	1.0	0.0	0.0	-99.9	219.8	215.8	5.3
0.6	15.0	2.0	0.0	0.0	-109.6	239.2	235.2	5.3
1.0	15.0	0.0	1.0	0.0	-159.9	322.0	321.9	12.3
0.7	15.0	0.0	8.0	0.0	-166.9	353.9	349.9	11.2
1.0	15.0	3.0	5.0	0.0	-166.7	353.5	349.5	12.6
1.0	15.0	2.0	0.0	0.0	-155.5	331.0	327.0	11.0
1.0	15.0	1.0	0.0	0.0	-165.5	333.0	332.9	9.9
1.0	15.0	0.0	6.0	0.0	-160.5	332.6	331.1	9.0
1.0	15.0	4.0	7.0	0.0	-239.8	499.7	495.6	55.8
1.0	15.0	4.0	7.0	0.0	-208.4	436.9	432.8	26.0
1.0	15.0	0.0	7.0	0.0	-171.8	355.1	353.5	14.9
1.0	15.0	0.0	7.0	0.0	-117.0	245.5	244.0	4.5
1.0	15.0	2.0	5.0	0.0	-91.5	202.9	198.9	2.0
0.9	15.0	5.0	0.0	0.0	-126.3	264.1	262.6	6.3
1.0	15.0	1.0	5.0	0.0	-159.4	338.9	334.9	12.9
1.0	15.0	0.0	7.0	0.0	-171.3	354.1	352.6	11.4
1.0	15.0	3.0	0.0	0.0	-159.2	338.4	334.4	11.5
1.0	15.0	9.0	0.0	0.0	-194.2	399.9	398.3	20.1
0.9	15.0	1.0	3.0	0.0	-196.9	413.8	409.8	35.5
1.0	15.0	0.0	5.0	0.0	-157.5	326.6	325.1	12.9
0.9	15.0	0.0	7.0	0.0	-124.3	260.0	258.5	5.0
1.0	15.0	5.0	1.0	0.0	-149.3	310.2	308.7	8.5
1.0	15.0	1.0	4.0	0.0	-182.1	375.7	374.2	19.2
1.0	15.0	0.0	1.0	0.0	-117.0	245.5	244.0	3.3
1.0	15.0	1.0	0.0	0.0	-147.7	306.9	305.4	7.3
1.0	15.0	1.0	0.0	0.0	-135.4	282.3	280.8	5.8
1.0	15.0	0.0	0.0	0.0	-141.9	285.8	285.7	5.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-129.5	270.5	269.0	5.2
1.0	15.0	0.0	0.0	0.0	-141.4	284.9	284.8	6.3
1.0	15.0	2.0	0.0	0.0	-134.6	280.7	279.1	6.3
1.0	15.0	0.0	0.0	0.0	-139.5	281.0	280.9	5.4
0.9	15.0	0.0	1.0	0.0	-110.5	232.6	231.1	3.8
1.0	15.0	0.0	0.0	0.0	-68.1	138.4	138.3	1.4
1.0	15.0	2.0	0.0	0.0	-70.4	152.4	150.8	0.9
1.0	15.0	0.0	3.0	0.0	-139.3	290.2	288.7	5.6
0.8	15.0	0.0	2.0	0.0	-113.4	238.2	236.7	2.9
1.0	15.0	3.0	0.0	0.0	-130.9	281.9	277.9	9.7
1.0	15.0	3.0	0.0	0.0	-121.0	262.0	258.0	9.3
1.0	15.0	0.0	0.0	0.0	-145.4	292.8	292.7	6.5
1.0	15.0	0.0	2.0	0.0	-157.2	325.9	324.4	6.9
1.0	15.0	4.0	0.0	0.0	-138.5	296.9	292.9	5.8
1.0	15.0	5.0	0.0	0.0	-137.4	294.8	290.8	5.4
1.0	15.0	0.0	0.0	0.0	-128.0	258.2	258.1	4.5
1.0	15.0	0.0	1.0	0.0	-134.8	281.2	279.7	4.9
1.0	15.0	2.0	0.0	0.0	-182.4	376.3	374.7	17.5
1.0	15.0	2.0	0.0	0.0	-173.8	359.1	357.6	12.0
1.0	15.0	0.0	1.0	0.0	-141.4	285.0	284.9	7.9
1.0	15.0	0.0	1.0	0.0	-136.7	284.8	283.3	5.6
1.0	15.0	0.0	0.0	0.0	-109.5	221.1	221.0	3.5
1.0	15.0	1.0	0.0	0.0	-116.0	243.4	241.9	4.0
1.0	15.0	0.0	0.0	0.0	-167.1	336.3	336.3	10.0
1.0	15.0	0.0	2.0	0.0	-116.8	245.2	243.7	3.3
0.6	15.0	1.0	0.0	0.0	-98.0	207.5	206.0	8.7
1.0	15.0	1.0	0.0	0.0	-86.0	183.6	182.0	6.5
1.0	15.0	0.0	0.0	0.0	-160.5	323.1	323.0	9.9
1.0	15.0	0.0	2.0	0.0	-130.4	272.3	270.8	4.8
1.0	15.0	0.0	0.0	0.0	-74.1	150.2	150.1	1.4
1.0	15.0	2.0	0.0	0.0	-98.7	208.9	207.3	1.9
1.0	15.0	0.0	1.0	0.0	-184.4	370.8	370.7	15.8
1.0	15.0	0.0	1.0	0.0	-106.3	224.1	222.6	2.7
0.7	15.0	2.0	0.0	0.0	-90.0	200.0	196.0	2.5
1.0	15.0	2.0	0.0	0.0	-101.3	214.1	212.5	1.7
1.0	15.0	0.0	0.0	0.0	-151.7	305.5	305.4	6.8
1.0	15.0	0.0	4.0	0.0	-132.0	275.5	274.0	4.1
1.0	15.0	2.0	2.0	0.0	-106.8	233.7	229.7	2.2
0.6	15.0	4.0	0.0	0.0	-161.7	343.4	339.4	27.2
1.0	15.0	0.0	4.0	0.0	-130.0	271.6	270.0	4.3
1.0	15.0	0.0	4.0	0.0	-153.7	318.9	317.4	9.0
0.8	15.0	4.0	0.0	0.0	-135.5	282.5	280.9	7.1
0.9	15.0	4.0	0.0	0.0	-135.4	282.3	280.7	6.2
1.0	15.0	0.0	0.0	0.0	-139.5	281.2	281.1	6.0
1.0	15.0	0.0	3.0	0.0	-136.7	285.0	283.4	5.3
1.0	15.0	0.0	0.0	0.0	-111.0	224.1	224.0	2.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-107.5	226.6	225.0	2.4
1.0	15.0	0.0	0.0	0.0	-167.1	336.3	336.2	9.6
1.0	15.0	0.0	2.0	0.0	-127.9	267.3	265.7	5.4
1.0	15.0	0.0	0.0	0.0	-105.4	212.8	212.7	7.0
1.0	15.0	1.0	0.0	0.0	-95.7	202.9	201.4	4.9
1.0	15.0	0.0	0.0	0.0	-132.9	267.9	267.8	5.0
1.0	15.0	0.0	1.0	0.0	-125.4	262.4	260.8	4.5
1.0	15.0	0.0	0.0	0.0	-78.6	159.2	159.1	1.4
1.0	15.0	2.0	0.0	0.0	-106.8	225.2	223.6	4.1
1.0	15.0	4.0	0.0	0.0	-192.8	387.7	387.6	16.0
1.0	15.0	0.0	3.0	0.0	-141.2	293.9	292.4	6.3
0.8	15.0	3.0	0.0	0.0	-148.2	308.0	306.5	6.5
1.0	15.0	3.0	0.0	0.0	-137.1	285.8	284.2	6.0
1.0	15.0	0.0	0.0	0.0	-148.9	299.8	299.8	8.5
1.0	15.0	0.0	2.0	0.0	-127.6	266.7	265.2	4.0
1.0	15.0	0.0	0.0	0.0	-105.5	213.0	212.9	2.7
1.0	15.0	3.0	0.0	0.0	-104.8	221.0	219.5	2.0
1.0	15.0	0.0	0.0	0.0	-152.1	306.2	306.1	6.7
1.0	15.0	0.0	1.0	0.0	-109.3	230.1	228.5	2.6
1.0	15.0	0.0	0.0	0.0	-81.5	165.0	164.9	1.8
1.0	15.0	3.0	0.0	0.0	-72.9	157.3	155.7	1.2
1.0	15.0	0.0	0.0	0.0	-143.3	288.8	288.7	6.7
0.8	15.0	0.0	5.0	0.0	-136.8	285.1	283.6	5.4
1.0	15.0	0.0	2.0	0.0	-115.4	242.3	240.8	2.9
1.0	15.0	5.0	0.0	0.0	-166.6	353.3	349.3	36.8
1.0	15.0	0.0	4.0	0.0	-147.5	306.5	305.0	6.8
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.2	7.8
1.0	15.0	4.0	3.0	0.0	-189.8	399.7	395.7	25.0
0.8	15.0	1.0	1.0	0.0	-172.3	364.6	360.6	17.6
1.0	15.0	0.0	2.0	0.0	-159.4	330.3	328.7	8.4
1.0	15.0	0.0	3.0	0.0	-126.3	264.2	262.7	7.4
1.0	15.0	0.0	0.0	0.0	-66.9	135.9	135.8	1.0
0.9	15.0	2.0	0.0	0.0	-103.6	218.8	217.3	7.5
0.8	15.0	0.0	3.0	0.0	-151.7	315.0	313.4	10.5
1.0	15.0	0.0	3.0	0.0	-130.8	273.1	271.6	8.2
0.8	15.0	2.0	0.0	0.0	-117.2	245.9	244.3	6.7
1.0	15.0	4.0	0.0	0.0	-127.5	266.6	265.1	7.2
1.0	15.0	1.0	4.0	0.0	-160.9	341.8	337.8	12.8
1.0	15.0	0.0	2.0	0.0	-103.4	226.8	222.8	2.5
1.0	15.0	2.0	0.0	0.0	-117.7	255.3	251.3	10.0
0.5	15.0	3.0	0.0	0.0	-124.6	269.2	265.2	24.4
1.0	15.0	0.0	2.0	0.0	-170.2	352.0	350.4	10.2
1.0	15.0	0.0	2.0	0.0	-120.4	252.4	250.9	3.3
1.0	15.0	4.0	0.0	0.0	-156.5	324.6	323.1	7.6
1.0	15.0	3.0	0.0	0.0	-135.3	282.2	280.6	5.1
1.0	15.0	0.0	0.0	0.0	-155.3	312.7	312.6	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	0.0	2.0	0.0	-879.6	1769.5	1769.3	4.1
1.0	15.0	3.0	0.0	0.0	-1217.3	2444.8	2444.6	12.8
1.0	15.0	3.0	0.0	0.0	-985.0	1980.1	1979.9	7.0
1.0	15.0	0.0	0.0	0.0	-1061.4	2124.9	2124.9	7.4
0.9	15.0	0.0	2.0	0.0	-525.3	1061.0	1060.7	4.4
1.0	15.0	3.0	0.0	0.0	-701.9	1414.1	1413.8	16.8
1.0	15.0	3.0	0.0	0.0	-577.1	1164.6	1164.2	9.2
1.0	15.0	0.0	0.0	0.0	-622.3	1246.7	1246.6	7.7
1.0	15.0	0.0	2.0	0.0	-764.4	1539.1	1538.9	4.2
1.0	15.0	4.0	0.0	0.0	-1017.4	2045.0	2044.8	13.5
1.0	15.0	3.0	0.0	0.0	-895.4	1801.0	1800.8	10.6
1.0	15.0	0.0	0.0	0.0	-837.6	1677.3	1677.3	5.4
1.0	15.0	1.0	4.0	0.0	-123.9	267.9	263.9	6.0
1.0	15.0	4.0	1.0	0.0	-204.4	428.7	424.7	29.6
1.0	15.0	3.0	1.0	0.0	-180.3	380.6	376.6	17.7
1.0	15.0	0.0	0.0	0.0	-136.7	275.6	275.5	7.6
1.0	15.0	0.0	2.0	0.0	-122.2	255.9	254.4	3.8
1.0	15.0	3.0	0.0	0.0	-161.4	342.9	338.9	11.7
1.0	15.0	2.0	0.0	0.0	-144.9	309.8	305.8	8.9
1.0	15.0	0.0	0.0	0.0	-121.1	244.4	244.3	3.9
0.9	15.0	0.0	5.0	0.0	-133.4	286.8	282.8	6.5
1.0	15.0	7.0	0.0	0.0	-170.2	360.3	356.3	12.9
1.0	15.0	6.0	0.0	0.0	-139.4	298.8	294.8	9.2
1.0	15.0	0.0	0.0	0.0	-151.8	305.8	305.7	7.7
1.0	15.0	0.0	3.0	0.0	-916.1	1842.3	1842.1	6.3
1.0	15.0	1.0	1.0	0.0	-1065.4	2141.0	2140.8	7.7
0.9	15.0	2.0	0.0	0.0	-1039.1	2088.5	2088.3	8.5
1.0	15.0	0.0	2.0	0.0	-1111.8	2233.8	2233.6	10.3
1.0	15.0	0.0	1.0	0.0	-976.1	1962.3	1962.1	6.8
1.0	15.0	0.0	1.0	0.0	-1261.5	2533.2	2533.0	31.6
1.0	15.0	1.0	0.0	0.0	-1011.1	2038.6	2038.2	12.8
1.0	15.0	0.0	1.0	0.0	-1154.8	2319.8	2319.6	12.0
1.0	15.0	0.0	1.0	0.0	-922.9	1856.1	1855.9	10.7
1.0	15.0	0.0	0.0	0.0	-456.7	915.4	915.4	1.3
1.0	15.0	1.0	0.0	0.0	-618.5	1247.2	1247.1	11.4
1.0	15.0	0.0	1.0	0.0	-1016.0	2042.2	2042.0	12.2
1.0	15.0	0.0	2.0	0.0	-974.6	1959.3	1959.1	6.8
1.0	15.0	0.0	0.0	0.0	-478.9	959.7	959.7	2.1
1.0	15.0	1.0	0.0	0.0	-520.6	1051.4	1051.2	2.0
1.0	15.0	0.0	2.0	0.0	-1151.7	2313.6	2313.4	12.9
1.0	15.0	0.0	2.0	0.0	-960.0	1930.2	1930.0	7.8
1.0	15.0	0.0	1.0	0.0	-770.9	1551.9	1551.7	4.3
1.0	15.0	1.0	0.0	0.0	-820.6	1651.4	1651.2	16.0
1.0	15.0	0.0	1.0	0.0	-1145.0	2300.2	2300.0	11.7
1.0	23.0	0.0	4.0	0.0	-639.8	1289.9	1289.6	4.9
1.0	23.0	1.0	3.0	0.0	-781.6	1573.4	1573.1	9.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	23.0	4.0	0.0	0.0	-760.4	1537.4	1536.7	9.4
1.0	23.0	0.0	3.0	0.0	-743.7	1497.6	1497.3	7.9
1.0	23.0	0.0	2.0	0.0	-650.3	1310.9	1310.7	6.0
1.0	23.0	0.0	1.0	0.0	-806.6	1623.5	1623.2	17.8
1.0	23.0	2.0	0.0	0.0	-672.7	1362.0	1361.3	8.2
1.0	23.0	0.0	2.0	0.0	-794.8	1600.0	1599.7	11.7
1.0	23.0	0.0	2.0	0.0	-589.2	1188.7	1188.4	6.1
1.0	23.0	0.0	0.0	0.0	-319.3	640.6	640.6	2.4
1.0	23.0	1.0	0.0	0.0	-398.0	806.3	806.0	6.2
1.0	23.0	0.0	2.0	0.0	-633.1	1276.5	1276.3	6.8
1.0	23.0	0.0	2.0	0.0	-704.2	1418.6	1418.4	8.3
1.0	23.0	0.0	0.0	0.0	-381.7	765.4	765.3	1.4
1.0	23.0	2.0	0.0	0.0	-503.0	1016.3	1016.0	9.8
1.0	23.0	0.0	2.0	0.0	-868.5	1747.4	1747.1	14.0
1.0	23.0	0.0	3.0	0.0	-672.8	1355.8	1355.5	5.5
1.0	23.0	0.0	0.0	0.0	-351.9	705.9	705.8	2.7
1.0	23.0	2.0	0.0	0.0	-361.4	733.1	732.8	2.9
1.0	23.0	0.0	3.0	0.0	-798.3	1606.9	1606.7	10.9
1.0	23.0	0.0	2.0	0.0	-410.9	832.2	831.7	9.3
1.0	23.0	0.0	0.0	0.0	-311.9	625.9	625.9	3.4
0.8	23.0	1.0	0.0	0.0	-318.6	647.7	647.2	15.5
1.0	23.0	0.0	2.0	0.0	-497.5	1005.4	1005.0	13.4
1.0	15.0	0.0	2.0	0.0	-812.4	1634.9	1634.7	10.4
1.0	15.0	1.0	1.0	0.0	-936.1	1882.4	1882.2	9.2
0.5	15.0	2.0	0.0	0.0	-942.0	1900.5	1899.9	10.8
1.0	15.0	0.0	2.0	0.0	-924.1	1858.4	1858.2	13.2
1.0	15.0	0.0	1.0	0.0	-838.7	1687.5	1687.3	11.1
1.0	15.0	0.0	1.0	0.0	-744.6	1491.3	1491.3	5.4
0.5	15.0	1.0	0.0	0.0	-711.4	1433.0	1432.8	17.9
1.0	15.0	0.0	1.0	0.0	-1063.8	2137.9	2137.6	16.6
1.0	15.0	0.0	2.0	0.0	-135.4	282.3	280.7	5.3
1.0	15.0	3.0	2.0	0.0	-175.4	370.7	366.7	22.8
1.0	15.0	3.0	0.0	0.0	-138.7	297.4	293.4	10.7
1.0	15.0	0.0	2.0	0.0	-180.8	373.2	371.6	13.7
1.0	15.0	0.0	1.0	0.0	-120.4	252.3	250.8	4.0
1.0	15.0	0.0	0.0	0.0	-73.6	149.2	149.2	1.7
1.0	15.0	1.0	0.0	0.0	-81.6	174.6	173.1	5.0
1.0	15.0	0.0	1.0	0.0	-139.3	290.1	288.5	5.3
1.0	15.0	0.0	1.0	0.0	-131.8	275.1	273.6	4.5
1.0	15.0	0.0	0.0	0.0	-69.8	141.7	141.6	1.8
1.0	15.0	1.0	0.0	0.0	-66.1	143.8	142.3	0.9
1.0	15.0	0.0	1.0	0.0	-143.6	298.7	297.2	6.4
1.0	15.0	0.0	3.0	0.0	-119.3	250.2	248.7	3.9
1.0	15.0	0.0	1.0	0.0	-107.8	227.1	225.6	2.4
1.0	15.0	2.0	0.0	0.0	-119.4	250.4	248.9	5.9
1.0	15.0	0.0	1.0	0.0	-155.0	321.8	320.0	12.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-123.1	257.7	256.2	4.1
1.0	15.0	1.0	1.0	0.0	-163.8	347.6	343.6	16.1
1.0	15.0	2.0	0.0	0.0	-134.2	288.4	284.4	8.7
1.0	15.0	0.0	1.0	0.0	-131.6	274.8	273.2	6.2
1.0	15.0	0.0	2.0	0.0	-139.5	290.6	289.0	7.1
1.0	15.0	0.0	2.0	0.0	-126.1	263.7	262.1	4.2
1.0	15.0	1.0	0.0	0.0	-134.6	280.7	279.1	8.7
1.0	15.0	0.0	2.0	0.0	-144.8	301.1	299.6	7.6
1.0	15.0	0.0	3.0	0.0	-147.9	307.3	305.8	7.4
1.0	15.0	5.0	2.0	0.0	-191.4	402.7	398.7	29.2
1.0	15.0	4.0	1.0	0.0	-146.4	312.8	308.8	11.0
1.0	15.0	0.0	3.0	0.0	-166.3	344.1	342.6	12.7
1.0	15.0	0.0	2.0	0.0	-114.2	239.9	238.4	4.9
1.0	15.0	0.0	0.0	0.0	-74.4	150.8	150.7	1.8
1.0	15.0	1.0	0.0	0.0	-79.8	171.1	169.6	2.5
1.0	15.0	0.0	1.0	0.0	-121.3	254.1	252.5	4.7
1.0	15.0	0.0	1.0	0.0	-125.8	263.2	261.7	5.0
1.0	15.0	0.0	0.0	0.0	-105.8	213.8	213.7	3.3
1.0	15.0	1.0	0.0	0.0	-96.3	204.1	202.6	4.8
1.0	15.0	0.0	2.0	0.0	-161.2	334.1	332.5	10.9
1.0	15.0	0.0	3.0	0.0	-143.6	298.8	297.3	6.4
1.0	15.0	0.0	1.0	0.0	-117.8	247.1	245.6	25.7
1.0	15.0	2.0	0.0	0.0	-123.9	259.4	257.8	15.9
1.0	15.0	0.0	1.0	0.0	-167.3	346.1	344.6	9.8
0.8	15.0	0.0	4.0	0.0	-115.6	242.7	241.2	4.5
1.0	15.0	2.0	2.0	0.0	-143.6	307.1	303.1	8.2
1.0	15.0	2.0	0.0	0.0	-134.3	288.6	284.6	8.7
0.8	15.0	2.0	0.0	0.0	-148.9	309.3	307.7	6.4
1.0	15.0	0.0	4.0	0.0	-136.1	283.8	282.2	5.4
1.0	15.0	6.0	0.0	0.0	-135.7	283.0	281.5	7.9
1.0	15.0	5.0	0.0	0.0	-119.1	249.7	248.2	3.9
1.0	15.0	0.0	3.0	0.0	-180.7	372.9	371.3	14.2
1.0	15.0	0.0	5.0	0.0	-114.0	248.0	244.0	3.7
1.0	15.0	1.0	1.0	0.0	-135.4	290.8	286.8	7.8
1.0	15.0	1.0	0.0	0.0	-134.3	288.5	284.5	8.7
1.0	15.0	2.0	0.0	0.0	-140.7	293.0	291.4	6.5
1.0	15.0	0.0	0.0	0.0	-132.7	267.6	267.5	4.7
1.0	15.0	2.0	0.0	0.0	-160.0	331.6	330.0	8.2
1.0	15.0	2.0	0.0	0.0	-128.9	269.4	267.8	4.4
1.0	15.0	0.0	0.0	0.0	-144.6	291.2	291.2	6.7
1.0	15.0	0.0	0.0	0.0	-140.2	282.4	282.3	5.3
0.8	15.0	6.0	0.0	0.0	-119.8	259.7	255.7	4.6
0.5	15.0	5.0	0.0	0.0	-114.1	248.1	244.1	3.9
1.0	15.0	0.0	0.0	0.0	-155.9	313.9	313.8	8.1
1.0	15.0	0.0	2.0	0.0	-128.4	268.4	266.9	6.3
1.0	15.0	2.0	1.0	0.0	-148.4	316.9	312.9	9.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-142.0	303.9	299.9	8.3
1.0	15.0	0.0	0.0	0.0	-165.0	332.0	331.9	10.3
1.0	15.0	0.0	0.0	0.0	-124.4	250.8	250.8	3.6
1.0	15.0	5.0	0.0	0.0	-115.7	243.0	241.5	3.5
1.0	15.0	5.0	0.0	0.0	-111.1	233.8	232.2	3.2
1.0	15.0	0.0	0.0	0.0	-161.6	325.3	325.2	9.0
1.0	15.0	0.0	0.0	0.0	-117.6	237.3	237.2	4.1
1.0	15.0	3.0	0.0	0.0	-136.0	283.5	281.9	4.8
1.0	15.0	3.0	0.0	0.0	-119.3	250.1	248.6	3.5
1.0	15.0	0.0	0.0	0.0	-132.8	267.8	267.7	4.6
0.9	15.0	0.0	2.0	0.0	-113.2	238.0	236.4	3.1
1.0	15.0	3.0	0.0	0.0	-153.7	318.9	317.4	6.8
1.0	15.0	2.0	0.0	0.0	-132.9	277.3	275.8	5.3
1.0	15.0	0.0	0.0	0.0	-162.6	327.2	327.1	9.0
1.0	15.0	0.0	0.0	0.0	-127.3	256.8	256.7	4.2
0.9	15.0	2.0	0.0	0.0	-189.5	390.6	389.0	18.2
1.0	15.0	2.0	0.0	0.0	-161.8	335.1	333.5	8.4
1.0	15.0	0.0	0.0	0.0	-160.4	323.0	322.9	7.8
1.0	15.0	0.0	0.0	0.0	-136.9	275.9	275.9	5.3
0.9	15.0	3.0	0.0	0.0	-170.9	353.3	351.8	12.7
1.0	15.0	2.0	0.0	0.0	-145.4	302.3	300.7	7.8
1.0	15.0	0.0	0.0	0.0	-149.9	301.9	301.8	6.6
1.0	15.0	0.0	0.0	0.0	-122.4	246.8	246.7	4.1
1.0	15.0	3.0	0.0	0.0	-155.7	323.0	321.4	13.3
1.0	15.0	3.0	0.0	0.0	-137.9	287.3	285.7	5.9
1.0	15.0	0.0	0.0	0.0	-168.1	338.4	338.3	9.8
0.9	15.0	0.0	3.0	0.0	-138.5	288.6	287.0	6.0
1.0	15.0	2.0	0.0	0.0	-150.4	320.8	316.8	6.7
1.0	15.0	2.0	0.0	0.0	-147.0	314.1	310.1	6.3
1.0	15.0	0.0	0.0	0.0	-125.4	252.9	252.8	4.0
1.0	15.0	0.0	1.0	0.0	-112.6	236.8	235.2	3.5
1.0	15.0	0.0	0.0	0.0	-169.9	341.8	341.8	11.8
1.0	15.0	1.0	0.0	0.0	-116.5	244.6	243.0	3.9
1.0	15.0	0.0	1.0	0.0	-149.3	300.7	300.6	14.9
1.0	15.0	0.0	0.0	0.0	-120.4	243.0	242.9	5.4
1.0	15.0	2.0	0.0	0.0	-125.4	262.2	260.7	4.1
1.0	15.0	3.0	0.0	0.0	-117.3	246.2	244.7	3.7
1.0	15.0	0.0	0.0	0.0	-179.4	360.9	360.8	11.6
1.0	15.0	0.0	1.0	0.0	-139.5	281.1	281.0	5.3
1.0	15.0	4.0	0.0	0.0	-156.4	332.9	328.9	15.8
1.0	15.0	4.0	0.0	0.0	-149.5	319.1	315.1	14.6
1.0	15.0	0.0	1.0	0.0	-167.2	336.4	336.3	11.2
1.0	15.0	0.0	0.0	0.0	-125.8	253.6	253.5	5.0
1.0	15.0	3.0	0.0	0.0	-167.1	345.7	344.2	17.3
0.7	15.0	2.0	0.0	0.0	-144.0	308.1	304.1	10.9
1.0	15.0	0.0	0.0	0.0	-165.0	332.2	332.1	9.0



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-117.7	246.8	245.3	4.6
1.0	15.0	6.0	0.0	0.0	-135.9	291.9	287.9	6.7
1.0	15.0	6.0	0.0	0.0	-116.2	252.5	248.5	3.8
1.0	15.0	0.0	1.0	0.0	-170.6	343.3	343.2	10.6
1.0	15.0	0.0	2.0	0.0	-135.7	282.9	281.4	5.2
1.0	15.0	1.0	1.0	0.0	-147.0	305.4	303.9	6.4
1.0	15.0	2.0	0.0	0.0	-128.8	269.2	267.6	4.7
1.0	15.0	0.0	2.0	0.0	-128.3	268.0	266.5	4.0
1.0	15.0	0.0	1.0	0.0	-163.4	338.3	336.7	14.0
1.0	15.0	2.0	2.0	0.0	-160.3	340.7	336.7	19.7
1.0	15.0	0.0	0.0	0.0	-154.9	312.0	311.9	11.2
1.0	15.0	0.0	2.0	0.0	-173.7	358.9	357.4	12.0
1.0	15.0	0.0	1.0	0.0	-132.6	276.8	275.2	5.0
1.0	15.0	0.0	2.0	0.0	-122.3	256.1	254.6	4.5
1.0	15.0	1.0	0.0	0.0	-113.8	239.2	237.7	7.2
1.0	15.0	0.0	1.0	0.0	-173.4	358.4	356.9	11.4
1.0	15.0	0.0	2.0	0.0	-123.9	259.4	257.9	11.5
1.0	15.0	0.0	0.0	0.0	-65.7	133.5	133.4	1.0
1.0	15.0	1.0	0.0	0.0	-89.1	189.8	188.3	13.9
1.0	15.0	0.0	2.0	0.0	-135.2	282.0	280.5	6.5
1.0	15.0	0.0	2.0	0.0	-136.3	284.1	282.5	6.4
0.9	15.0	2.0	0.0	0.0	-107.5	226.5	224.9	2.7
1.0	15.0	2.0	0.0	0.0	-121.2	254.0	252.5	15.7
1.0	15.0	0.0	2.0	0.0	-144.6	300.8	299.1	7.7
1.0	15.0	0.0	1.0	0.0	-125.4	262.4	260.8	4.0
1.0	15.0	0.0	0.0	0.0	-75.2	152.5	152.4	2.1
1.0	15.0	1.0	0.0	0.0	-66.5	144.5	143.0	0.8
1.0	15.0	0.0	2.0	0.0	-158.1	327.7	326.2	9.0
1.0	15.0	0.0	1.0	0.0	-113.2	237.9	236.3	3.3
1.0	15.0	0.0	1.0	0.0	-103.3	208.7	208.6	4.6
1.0	15.0	1.0	0.0	0.0	-104.9	221.3	219.8	3.6
1.0	15.0	0.0	1.0	0.0	-150.7	312.9	311.4	6.8
1.0	15.0	0.0	0.0	0.0	-122.3	246.7	246.6	3.9
0.9	15.0	3.0	0.0	0.0	-158.7	328.8	327.3	7.7
1.0	15.0	3.0	0.0	0.0	-119.0	249.5	247.9	3.2
1.0	15.0	0.0	0.0	0.0	-147.4	296.9	296.8	7.1
1.0	15.0	0.0	2.0	0.0	-143.2	298.0	296.5	6.0
1.0	15.0	0.0	1.0	0.0	-147.2	305.9	304.3	11.5
1.0	15.0	1.0	1.0	0.0	-122.7	265.5	261.5	6.2
1.0	15.0	0.0	2.0	0.0	-163.0	337.6	336.1	10.2
1.0	15.0	0.0	1.0	0.0	-142.3	296.1	294.6	5.8
1.0	15.0	0.0	1.0	0.0	-130.8	273.2	271.7	12.2
1.0	15.0	1.0	0.0	0.0	-131.6	274.6	273.1	11.8
1.0	15.0	0.0	1.0	0.0	-176.5	364.5	363.0	11.2
1.0	15.0	0.0	1.0	0.0	-150.9	313.3	311.8	7.2
1.0	15.0	0.0	0.0	0.0	-83.7	169.5	169.4	3.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-79.2	169.9	168.4	3.3
1.0	15.0	0.0	1.0	0.0	-168.4	348.4	346.9	10.2
1.0	15.0	0.0	0.0	0.0	-136.9	275.9	275.8	8.1
1.0	15.0	2.0	5.0	0.0	-204.6	429.3	425.3	30.7
1.0	15.0	1.0	5.0	0.0	-176.2	372.4	368.4	17.8
1.0	15.0	0.0	6.0	0.0	-145.7	303.0	301.5	7.3
1.0	15.0	0.0	5.0	0.0	-132.2	275.8	274.3	4.7
1.0	15.0	2.0	0.0	0.0	-119.1	249.7	248.1	3.8
1.0	15.0	4.0	0.0	0.0	-116.5	244.5	243.0	3.1
1.0	15.0	0.0	3.0	0.0	-155.6	322.6	321.1	8.7
1.0	15.0	0.0	0.0	0.0	-849.7	1701.4	1701.4	5.5
1.0	15.0	3.0	0.0	0.0	-760.6	1537.7	1537.1	23.4
0.8	15.0	3.0	0.0	0.0	-745.7	1501.6	1501.3	14.7
1.0	15.0	0.0	0.0	0.0	-1000.3	2002.6	2002.6	10.8
1.0	15.0	0.0	0.0	0.0	-532.5	1067.1	1067.1	4.7
0.9	15.0	2.0	0.0	0.0	-461.3	932.9	932.6	3.6
1.0	15.0	2.0	0.0	0.0	-442.9	896.2	895.9	2.7
1.0	15.0	0.0	0.0	0.0	-641.0	1284.1	1284.0	8.7
0.9	15.0	0.0	3.0	0.0	-506.5	1023.3	1022.9	3.8
0.7	15.0	3.0	0.0	0.0	-480.1	970.5	970.1	6.1
0.8	15.0	3.0	0.0	0.0	-448.0	906.4	906.1	5.0
1.0	15.0	0.0	0.0	0.0	-729.5	1461.0	1461.0	13.3
1.0	15.0	0.0	0.0	0.0	-836.6	1675.2	1675.2	6.5
0.7	15.0	3.0	0.0	0.0	-786.7	1583.7	1583.4	8.0
0.7	15.0	2.0	0.0	0.0	-719.8	1449.8	1449.6	5.2
1.0	15.0	0.0	0.0	0.0	-1079.4	2160.8	2160.8	13.0
1.0	15.0	0.0	0.0	0.0	-129.9	261.9	261.8	4.7
0.7	15.0	2.0	0.0	0.0	-152.7	325.4	321.4	12.8
1.0	15.0	2.0	0.0	0.0	-134.9	289.7	285.7	10.7
1.0	15.0	0.0	0.0	0.0	-149.0	300.1	300.0	7.0
1.0	15.0	0.0	2.0	0.0	-120.4	252.3	250.8	3.2
1.0	15.0	3.0	0.0	0.0	-164.4	340.4	338.9	12.7
1.0	15.0	3.0	0.0	0.0	-122.2	255.9	254.4	5.1
1.0	15.0	0.0	0.0	0.0	-175.1	352.2	352.1	11.6
1.0	15.0	0.0	0.0	0.0	-140.5	283.0	282.9	6.5
1.0	15.0	1.0	0.0	0.0	-154.6	320.7	319.2	9.1
1.0	15.0	1.0	0.0	0.0	-132.2	276.0	274.4	5.1
1.0	15.0	0.0	0.0	0.0	-149.9	302.0	301.9	7.2
1.0	15.0	0.0	2.0	0.0	-124.8	261.1	259.6	4.1
0.8	15.0	2.0	0.0	0.0	-130.8	281.7	277.7	5.2
1.0	15.0	2.0	0.0	0.0	-116.6	244.8	243.2	3.2
1.0	15.0	0.0	0.0	0.0	-160.1	322.2	322.1	9.5
1.0	15.0	0.0	5.0	0.0	-129.5	270.6	269.1	4.2
0.7	15.0	4.0	0.0	0.0	-152.7	325.5	321.5	10.9
1.0	15.0	4.0	0.0	0.0	-147.4	306.3	304.7	10.0
1.0	15.0	0.0	0.0	0.0	-155.9	314.0	313.9	8.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.4
1.0	15.0	1.0	0.0	0.0	-151.7	314.9	313.3	11.3
1.0	15.0	2.0	0.0	0.0	-117.5	246.5	245.0	3.5
1.0	15.0	0.0	0.0	0.0	-139.4	280.9	280.8	5.2
1.0	15.0	0.0	0.0	0.0	-129.2	260.5	260.4	4.5
0.6	15.0	3.0	0.0	0.0	-187.0	385.5	383.9	16.8
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.8	8.0
1.0	15.0	0.0	0.0	0.0	-159.0	320.0	319.9	8.8
1.0	15.0	0.0	0.0	0.0	-162.8	327.7	327.6	8.2
1.0	15.0	5.0	0.0	0.0	-142.7	296.9	295.4	7.1
1.0	15.0	4.0	0.0	0.0	-140.2	291.9	290.4	7.2
1.0	15.0	0.0	0.0	0.0	-152.2	306.6	306.5	9.5
1.0	15.0	0.0	3.0	0.0	-128.2	268.0	266.4	4.7
0.6	15.0	3.0	0.0	0.0	-161.3	342.5	338.5	9.6
0.5	15.0	3.0	0.0	0.0	-123.2	266.4	262.4	4.7
1.0	15.0	0.0	0.0	0.0	-175.5	353.1	353.0	11.8
0.9	15.0	0.0	8.0	0.0	-130.7	273.0	271.5	4.4
1.0	15.0	3.0	0.0	0.0	-113.9	247.8	243.8	5.0
1.0	15.0	3.0	0.0	0.0	-128.9	277.8	273.8	5.5
1.0	15.0	1.0	0.0	0.0	-167.0	336.0	335.9	9.2
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.0	5.9
1.0	15.0	1.0	0.0	0.0	-164.5	340.5	338.9	9.7
1.0	15.0	1.0	0.0	0.0	-122.1	255.8	254.3	4.9
1.0	15.0	0.0	0.0	0.0	-152.9	307.9	307.8	8.9
1.0	15.0	0.0	0.0	0.0	-110.2	222.5	222.4	3.3
1.0	15.0	1.0	0.0	0.0	-161.2	333.9	332.3	8.7
1.0	15.0	1.0	0.0	0.0	-114.8	241.2	239.6	3.7
1.0	15.0	0.0	0.0	0.0	-138.7	279.5	279.4	6.0
1.0	15.0	0.0	6.0	0.0	-157.3	326.1	324.5	11.1
1.0	15.0	0.0	4.0	0.0	-174.1	359.7	358.2	16.5
1.0	15.0	2.0	0.0	0.0	-174.5	360.6	359.1	17.4
0.9	15.0	0.0	4.0	0.0	-166.8	345.1	343.6	12.7
0.9	15.0	4.0	0.0	0.0	-170.5	360.9	356.9	10.6
0.5	15.0	1.0	0.0	0.0	-120.0	251.6	250.0	6.3
0.7	15.0	1.0	0.0	0.0	-157.5	317.0	316.9	11.5
1.0	15.0	0.0	2.0	0.0	-201.4	414.3	412.8	21.2
1.0	15.0	0.0	5.0	0.0	-173.5	358.6	357.0	19.9
1.0	15.0	0.0	0.0	0.0	-92.7	187.5	187.4	2.2
1.0	15.0	3.0	0.0	0.0	-132.7	277.0	275.5	19.9
1.0	15.0	1.0	3.0	0.0	-172.6	365.1	361.1	24.0
1.0	15.0	0.0	2.0	0.0	-142.1	295.7	294.1	7.4
0.9	15.0	8.0	0.0	0.0	-172.3	356.2	354.6	14.0
1.0	15.0	3.0	0.0	0.0	-175.6	362.7	361.1	13.8
1.0	15.0	0.0	5.0	0.0	-196.2	403.8	402.3	21.8
1.0	15.0	0.0	5.0	0.0	-163.5	338.5	336.9	11.0
1.0	15.0	0.0	0.0	0.0	-86.7	175.5	175.4	1.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-77.0	165.6	164.0	1.6
1.0	15.0	0.0	3.0	0.0	-178.4	368.3	366.7	19.9
1.0	15.0	0.0	5.0	0.0	-150.9	313.3	311.7	8.0
1.0	15.0	0.0	3.0	0.0	-133.3	278.2	276.7	5.9
1.0	15.0	3.0	0.0	0.0	-149.4	310.3	308.8	8.8
1.0	15.0	0.0	4.0	0.0	-161.2	333.9	332.4	10.7
1.0	15.0	0.0	0.0	0.0	-148.6	299.3	299.2	6.8
0.6	15.0	1.0	0.0	0.0	-170.8	353.2	351.7	12.9
0.7	15.0	1.0	0.0	0.0	-171.6	345.2	345.1	15.1
1.0	15.0	0.0	0.0	0.0	-135.7	273.4	273.3	4.8
1.0	15.0	0.0	0.0	0.0	-107.5	217.0	216.9	2.9
1.0	15.0	1.0	0.0	0.0	-153.9	319.3	317.7	9.7
1.0	15.0	2.0	0.0	0.0	-119.4	250.3	248.7	3.3
1.0	15.0	0.0	0.0	0.0	-139.3	280.6	280.5	5.6
1.0	15.0	0.0	2.0	0.0	-126.8	265.1	263.6	4.5
1.0	15.0	4.0	0.0	0.0	-174.2	360.0	358.4	16.5
1.0	15.0	4.0	0.0	0.0	-128.1	276.3	272.2	8.5
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	6.0
1.0	15.0	0.0	0.0	0.0	-130.4	263.0	262.9	5.1
1.0	15.0	2.0	0.0	0.0	-166.8	345.0	343.5	14.0
1.0	15.0	2.0	0.0	0.0	-117.0	245.5	244.0	5.1
1.0	15.0	0.0	0.0	0.0	-145.6	293.3	293.2	5.6
1.0	15.0	0.0	2.0	0.0	-125.4	262.3	260.8	4.0
1.0	15.0	2.0	1.0	0.0	-147.4	314.8	310.8	12.8
1.0	15.0	3.0	0.0	0.0	-154.0	319.5	318.0	9.2
1.0	15.0	0.0	1.0	0.0	-127.2	266.0	264.4	4.0
1.0	15.0	0.0	1.0	0.0	-120.9	253.4	251.8	3.9
1.0	15.0	4.0	1.0	0.0	-181.3	382.6	378.6	24.6
1.0	15.0	2.0	0.0	0.0	-143.1	306.2	302.2	12.1
1.0	15.0	0.0	2.0	0.0	-147.1	305.8	304.2	7.6
1.0	15.0	0.0	1.0	0.0	-141.8	295.2	293.7	6.6
1.0	15.0	0.0	0.0	0.0	-112.7	227.5	227.4	4.0
1.0	15.0	1.0	0.0	0.0	-118.1	247.8	246.3	6.8
1.0	15.0	0.0	1.0	0.0	-140.9	293.4	291.9	6.4
1.0	15.0	0.0	1.0	0.0	-115.3	242.2	240.7	4.5
1.0	15.0	0.0	0.0	0.0	-61.3	124.6	124.5	0.8
1.0	15.0	1.0	0.0	0.0	-83.3	178.1	176.5	3.9
1.0	15.0	0.0	1.0	0.0	-121.2	254.0	252.5	3.9
1.0	15.0	0.0	1.0	0.0	-109.1	229.8	228.3	2.9
1.0	15.0	0.0	0.0	0.0	-95.8	193.7	193.6	11.7
1.0	15.0	1.0	0.0	0.0	-98.5	208.5	207.0	9.8
1.0	15.0	0.0	1.0	0.0	-140.2	291.8	290.3	5.6
1.0	15.0	0.0	1.0	0.0	-117.8	247.1	245.6	3.2
1.0	15.0	0.0	0.0	0.0	-100.0	202.1	202.0	3.2
1.0	15.0	1.0	0.0	0.0	-100.5	212.5	210.9	12.8
1.0	15.0	0.0	1.0	0.0	-137.8	287.1	285.6	5.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-394.1	798.7	798.2	5.5
1.0	15.0	2.0	2.0	0.0	-432.7	882.6	881.4	7.2
1.0	15.0	3.0	0.0	0.0	-454.5	919.5	919.1	9.3
1.0	15.0	0.0	2.0	0.0	-462.3	935.1	934.7	8.2
1.0	15.0	0.0	1.0	0.0	-387.5	785.5	785.0	4.8
1.0	15.0	3.0	1.0	0.0	-526.4	1069.9	1068.8	17.2
1.0	15.0	2.0	0.0	0.0	-446.3	909.7	908.5	8.6
1.0	15.0	0.0	1.0	0.0	-455.1	920.6	920.2	7.2
1.0	15.0	0.0	1.0	0.0	-405.2	820.9	820.4	5.1
1.0	15.0	0.0	0.0	0.0	-385.6	773.3	773.3	5.5
1.0	15.0	1.0	0.0	0.0	-400.7	811.9	811.5	17.5
1.0	15.0	0.0	1.0	0.0	-518.0	1046.6	1046.1	11.8
1.0	15.0	0.0	2.0	0.0	-365.8	742.1	741.6	7.1
1.0	15.0	0.0	0.0	0.0	-186.4	374.7	374.7	0.9
1.0	15.0	2.0	0.0	0.0	-278.7	567.8	567.4	7.6
1.0	15.0	0.0	3.0	0.0	-491.1	992.6	992.2	11.4
1.0	15.0	0.0	1.0	0.0	-383.0	776.5	776.1	5.2
1.0	15.0	0.0	0.0	0.0	-239.2	480.4	480.4	2.1
1.0	15.0	1.0	0.0	0.0	-304.9	620.2	619.7	16.9
1.0	15.0	0.0	1.0	0.0	-481.7	973.8	973.4	8.1
1.0	15.0	0.0	2.0	0.0	-399.1	808.6	808.1	4.5
1.0	15.0	0.0	0.0	0.0	-188.7	379.4	379.4	0.9
1.0	15.0	1.0	0.0	0.0	-213.2	437.0	436.5	1.2
1.0	15.0	0.0	1.0	0.0	-420.8	852.1	851.6	6.1
1.0	15.0	0.0	1.0	0.0	-425.4	861.2	860.7	7.4
1.0	15.0	0.0	0.0	0.0	-358.5	719.0	718.9	3.8
1.0	15.0	1.0	0.0	0.0	-390.8	792.1	791.6	15.8
1.0	15.0	0.0	1.0	0.0	-475.1	960.8	960.3	9.2
1.0	15.0	0.0	0.0	0.0	-133.1	268.3	268.2	7.6
1.0	15.0	2.0	0.0	0.0	-188.4	388.3	386.7	39.5
1.0	15.0	1.0	0.0	0.0	-134.5	280.6	279.0	11.2
1.0	15.0	0.0	0.0	0.0	-149.0	300.1	300.0	6.8
1.0	15.0	0.0	4.0	0.0	-123.4	258.3	256.7	3.8
1.0	15.0	4.0	0.0	0.0	-148.3	308.1	306.6	7.3
1.0	15.0	4.0	0.0	0.0	-127.3	266.2	264.7	4.1
1.0	15.0	0.0	0.0	0.0	-148.3	298.6	298.5	6.7
1.0	15.0	0.0	0.0	0.0	-139.8	281.7	281.6	5.4
0.9	15.0	2.0	0.0	0.0	-149.2	309.9	308.3	7.7
1.0	15.0	2.0	0.0	0.0	-119.6	250.7	249.1	3.5
1.0	15.0	0.0	0.0	0.0	-151.8	305.6	305.6	7.4
1.0	15.0	0.0	1.0	0.0	-124.9	261.4	259.8	4.3
1.0	15.0	2.0	0.0	0.0	-150.7	313.0	311.5	8.7
1.0	15.0	2.0	0.0	0.0	-122.8	257.1	255.6	4.5
1.0	15.0	0.0	0.0	0.0	-147.2	296.5	296.4	6.5
1.0	15.0	0.0	0.0	0.0	-129.0	260.0	259.9	4.5
1.0	15.0	2.0	0.0	0.0	-145.6	302.8	301.1	8.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-137.4	286.3	284.8	5.7
1.0	15.0	0.0	0.0	0.0	-120.9	244.0	243.9	3.6
0.9	15.0	1.0	1.0	0.0	-137.0	285.5	284.0	5.2
1.0	15.0	1.0	0.0	0.0	-111.6	234.8	233.2	4.0
1.0	15.0	1.0	0.0	0.0	-111.1	233.8	232.3	9.1
1.0	15.0	0.0	1.0	0.0	-132.2	275.9	274.4	4.4
1.0	15.0	0.0	2.0	0.0	-125.8	263.2	261.6	3.9
1.0	15.0	2.0	0.0	0.0	-169.7	350.9	349.3	12.9
1.0	15.0	2.0	0.0	0.0	-119.7	251.0	249.5	3.6
1.0	15.0	0.0	0.0	0.0	-129.9	261.9	261.8	4.3
1.0	15.0	0.0	0.0	0.0	-113.1	228.3	228.2	3.1
1.0	15.0	2.0	0.0	0.0	-81.1	173.6	172.1	1.5
1.0	15.0	2.0	0.0	0.0	-71.8	155.1	153.5	1.0
1.0	15.0	0.0	1.0	0.0	-146.6	295.3	295.2	6.3
1.0	15.0	0.0	1.0	0.0	-122.9	257.4	255.8	4.0
1.0	15.0	2.0	0.0	0.0	-124.2	260.0	258.4	3.9
1.0	15.0	1.0	0.0	0.0	-109.4	230.3	228.8	2.5
1.0	15.0	0.0	0.0	0.0	-138.7	279.4	279.3	5.5
1.0	15.0	0.0	0.0	0.0	-138.5	279.1	279.0	5.8
1.0	15.0	2.0	0.0	0.0	-172.5	356.6	355.0	16.0
0.9	15.0	2.0	0.0	0.0	-150.5	312.6	311.1	8.0
1.0	15.0	0.0	0.0	0.0	-142.1	286.3	286.2	5.7
1.0	15.0	0.0	0.0	0.0	-135.6	273.2	273.1	4.8
1.0	15.0	1.0	0.0	0.0	-161.8	335.2	333.7	8.7
1.0	15.0	1.0	0.0	0.0	-137.8	287.2	285.7	5.2
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	6.8
1.0	15.0	0.0	6.0	0.0	-149.1	318.2	314.2	9.8
0.8	15.0	1.0	6.0	0.0	-180.1	380.1	376.1	22.3
0.9	15.0	1.0	4.0	0.0	-179.0	378.0	374.0	23.6
1.0	15.0	1.0	4.0	0.0	-174.4	360.3	358.8	20.1
1.0	15.0	0.0	1.0	0.0	-174.3	360.1	358.6	15.3
0.9	15.0	4.0	1.0	0.0	-236.1	492.2	488.2	74.3
0.6	15.0	3.0	1.0	0.0	-204.3	428.6	424.6	34.7
1.0	15.0	0.0	9.0	0.0	-204.9	421.4	419.9	26.8
0.9	15.0	3.0	3.0	0.0	-169.9	359.8	355.8	11.0
1.0	15.0	0.0	0.0	0.0	-144.9	291.9	291.8	11.2
1.0	15.0	2.0	4.0	0.0	-147.8	315.7	311.7	9.1
1.0	15.0	0.0	2.0	0.0	-198.9	399.8	399.7	23.9
1.0	15.0	0.0	2.0	0.0	-162.6	336.7	335.1	21.1
1.0	15.0	0.0	0.0	0.0	-66.3	134.6	134.5	0.9
1.0	15.0	2.0	0.0	0.0	-118.9	249.3	247.7	20.4
1.0	15.0	0.0	2.0	0.0	-176.4	364.4	362.8	24.9
0.6	15.0	0.0	9.0	0.0	-164.1	348.2	344.2	10.6
1.0	15.0	2.0	0.0	0.0	-136.1	292.2	288.2	5.6
1.0	15.0	7.0	0.0	0.0	-160.6	341.2	337.2	17.1
1.0	15.0	2.0	6.0	0.0	-197.1	414.1	410.1	20.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-132.1	275.8	274.3	4.4
1.0	15.0	0.0	2.0	0.0	-144.7	301.0	299.5	7.0
1.0	15.0	1.0	0.0	0.0	-140.8	293.1	291.6	7.2
1.0	15.0	0.0	2.0	0.0	-123.8	259.0	257.5	4.3
1.0	15.0	0.0	2.0	0.0	-127.0	265.6	264.0	4.3
0.9	15.0	2.0	1.0	0.0	-168.8	357.7	353.6	18.0
0.6	15.0	2.0	1.0	0.0	-139.5	299.0	294.9	10.3
1.0	15.0	0.0	2.0	0.0	-141.1	293.8	292.3	5.9
1.0	15.0	0.0	1.0	0.0	-138.2	288.0	286.5	5.2
1.0	15.0	0.0	0.0	0.0	-99.9	201.9	201.8	2.3
1.0	15.0	1.0	0.0	0.0	-120.4	252.4	250.9	7.2
1.0	15.0	0.0	2.0	0.0	-159.6	330.8	329.3	10.0
1.0	15.0	0.0	2.0	0.0	-120.4	252.3	250.8	5.9
1.0	15.0	0.0	0.0	0.0	-85.1	172.3	172.2	8.2
1.0	15.0	2.0	0.0	0.0	-104.2	219.9	218.4	8.7
1.0	15.0	0.0	2.0	0.0	-130.6	272.7	271.2	5.0
1.0	15.0	0.0	2.0	0.0	-116.2	243.9	242.4	3.1
1.0	15.0	0.0	0.0	0.0	-102.4	206.8	206.7	2.7
1.0	15.0	2.0	0.0	0.0	-103.7	219.0	217.5	3.6
1.0	15.0	0.0	2.0	0.0	-172.3	356.2	354.6	10.2
1.0	15.0	0.0	1.0	0.0	-153.0	317.4	315.9	7.1
1.0	15.0	0.0	0.0	0.0	-61.9	126.0	125.9	0.9
1.0	15.0	1.0	0.0	0.0	-66.6	144.8	143.2	0.9
1.0	15.0	0.0	1.0	0.0	-143.3	298.1	296.6	5.9
1.0	15.0	0.0	3.0	0.0	-128.4	268.4	266.8	6.4
1.0	15.0	0.0	0.0	0.0	-128.0	258.2	258.1	14.0
1.0	15.0	2.0	0.0	0.0	-122.8	257.2	255.7	10.4
1.0	15.0	0.0	2.0	0.0	-149.2	309.9	308.4	9.8
1.0	15.0	0.0	1.0	0.0	-126.9	265.3	263.8	3.9
1.0	15.0	2.0	0.0	0.0	-160.9	333.3	331.7	8.6
1.0	15.0	2.0	0.0	0.0	-155.3	322.2	320.7	14.3
1.0	15.0	0.0	0.0	0.0	-144.5	291.0	290.9	5.9
1.0	15.0	0.0	0.0	0.0	-112.2	226.5	226.4	3.1
0.9	15.0	3.0	0.0	0.0	-158.4	328.4	326.8	10.3
1.0	15.0	3.0	0.0	0.0	-145.9	303.4	301.8	8.9
1.0	15.0	0.0	0.0	0.0	-166.5	335.2	335.1	8.9
1.0	15.0	0.0	0.0	0.0	-130.1	262.4	262.3	4.4
1.0	15.0	2.0	0.0	0.0	-165.7	342.9	341.4	10.1
1.0	15.0	2.0	0.0	0.0	-115.9	243.3	241.7	4.5
1.0	15.0	0.0	0.0	0.0	-154.5	311.0	310.9	8.4
1.0	15.0	0.0	2.0	0.0	-122.6	256.8	255.3	5.3
1.0	15.0	2.0	1.0	0.0	-153.3	326.6	322.6	7.8
1.0	15.0	3.0	0.0	0.0	-156.4	324.3	322.7	10.2
1.0	15.0	0.0	1.0	0.0	-136.4	284.3	282.8	5.3
1.0	15.0	0.0	1.0	0.0	-129.1	269.8	268.2	4.4
1.0	15.0	0.0	1.0	0.0	-114.4	231.0	230.9	6.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-102.3	216.2	214.6	5.5
1.0	15.0	0.0	1.0	0.0	-148.5	308.5	306.9	7.2
1.0	15.0	0.0	1.0	0.0	-120.5	252.6	251.0	3.5
1.0	15.0	0.0	0.0	0.0	-73.1	148.3	148.3	1.4
1.0	15.0	1.0	0.0	0.0	-75.2	162.0	160.5	3.5
1.0	15.0	0.0	1.0	0.0	-126.8	265.1	263.6	4.3
1.0	15.0	0.0	1.0	0.0	-140.1	291.6	290.1	5.5
1.0	15.0	0.0	0.0	0.0	-91.9	185.9	185.8	2.7
0.9	15.0	1.0	0.0	0.0	-102.1	215.8	214.2	15.9
1.0	15.0	0.0	1.0	0.0	-159.0	329.5	328.0	7.8
1.0	15.0	0.0	1.0	0.0	-129.5	270.5	268.9	4.4
1.0	15.0	0.0	0.0	0.0	-76.0	154.1	154.0	1.6
1.0	15.0	1.0	0.0	0.0	-64.6	140.6	139.1	0.6
1.0	15.0	0.0	1.0	0.0	-142.2	296.0	294.5	7.3
1.0	15.0	0.0	0.0	0.0	-126.4	254.8	254.7	5.0
0.5	15.0	3.0	0.0	0.0	-174.0	368.0	364.0	20.5
1.0	15.0	2.0	0.0	0.0	-120.5	252.6	251.0	7.8
1.0	15.0	0.0	0.0	0.0	-143.2	288.4	288.3	5.6
1.0	15.0	0.0	0.0	0.0	-113.7	229.6	229.5	3.2
1.0	15.0	3.0	0.0	0.0	-170.4	360.9	356.9	12.7
1.0	15.0	2.0	0.0	0.0	-132.7	285.3	281.3	7.6
1.0	15.0	0.0	0.0	0.0	-141.2	284.4	284.3	5.6
1.0	15.0	0.0	3.0	0.0	-129.3	270.2	268.6	4.9
1.0	15.0	2.0	0.0	0.0	-134.0	279.6	278.1	5.2
1.0	15.0	3.0	0.0	0.0	-118.5	248.5	246.9	3.9
1.0	15.0	0.0	1.0	0.0	-166.0	334.1	334.0	10.0
1.0	15.0	0.0	2.0	0.0	-111.4	234.3	232.8	2.7
1.0	15.0	4.0	0.0	0.0	-139.8	291.1	289.6	5.9
1.0	15.0	2.0	0.0	0.0	-137.1	285.7	284.1	5.2
1.0	15.0	0.0	0.0	0.0	-156.5	315.0	314.9	7.9
0.8	15.0	0.0	2.0	0.0	-135.5	282.5	280.9	5.5
0.9	15.0	2.0	1.0	0.0	-174.0	359.6	358.1	30.3
0.9	15.0	2.0	1.0	0.0	-152.9	317.4	315.8	20.9
1.0	15.0	0.0	0.0	0.0	-171.8	345.7	345.6	16.0
0.5	15.0	2.0	0.0	0.0	-131.5	283.0	279.0	4.7
1.0	15.0	3.0	0.0	0.0	-150.7	313.0	311.5	31.9
1.0	15.0	3.0	0.0	0.0	-122.0	255.6	254.1	8.5
1.0	15.0	0.0	2.0	0.0	-138.8	289.2	287.6	7.2
0.9	15.0	0.0	2.0	0.0	-119.1	249.7	248.1	3.4
1.0	15.0	3.0	0.0	0.0	-100.9	213.3	211.8	5.0
1.0	15.0	3.0	0.0	0.0	-109.1	229.7	228.1	13.6
1.0	15.0	2.0	2.0	0.0	-138.1	296.1	292.1	6.5
1.0	15.0	0.0	2.0	0.0	-137.7	286.9	285.3	10.5
1.0	15.0	3.0	0.0	0.0	-146.2	303.9	302.4	25.0
1.0	15.0	3.0	0.0	0.0	-129.8	271.2	269.7	11.0
1.0	15.0	0.0	4.0	0.0	-154.5	320.5	319.0	8.4



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-117.8	247.1	245.5	4.4
1.0	15.0	2.0	0.0	0.0	-94.6	200.7	199.2	4.4
1.0	15.0	2.0	0.0	0.0	-73.1	157.7	156.2	1.1
1.0	15.0	0.0	0.0	0.0	-142.3	286.7	286.6	7.7
1.0	15.0	0.0	2.0	0.0	-128.8	269.1	267.6	5.2
0.7	15.0	3.0	0.0	0.0	-142.1	304.2	300.2	7.3
1.0	15.0	3.0	0.0	0.0	-138.7	288.9	287.4	5.8
1.0	15.0	0.0	1.0	0.0	-160.2	322.5	322.4	9.1
1.0	15.0	0.0	2.0	0.0	-113.8	239.1	237.5	3.6
1.0	15.0	0.0	0.0	0.0	-97.8	197.8	197.7	2.0
1.0	15.0	3.0	0.0	0.0	-98.9	209.4	207.8	1.9
1.0	15.0	0.0	0.0	0.0	-179.5	361.1	361.0	12.3
1.0	15.0	0.0	6.0	0.0	-136.3	284.1	282.5	6.6
1.0	15.0	1.0	5.0	0.0	-137.7	295.4	291.4	6.6
1.0	15.0	4.0	0.0	0.0	-156.6	324.7	323.2	15.8
1.0	15.0	0.0	6.0	0.0	-145.4	302.4	300.9	8.8
1.0	15.0	0.0	6.0	0.0	-140.5	292.6	291.1	6.7
1.0	15.0	3.0	6.0	0.0	-226.8	473.7	469.7	45.3
1.0	15.0	2.0	4.0	0.0	-199.6	419.3	415.3	26.7
1.0	15.0	0.0	8.0	0.0	-148.5	308.5	307.0	8.0
1.0	15.0	3.0	4.0	0.0	-151.9	323.8	319.8	7.7
0.9	15.0	0.0	5.0	0.0	-121.3	254.2	252.7	3.8
1.0	15.0	3.0	3.0	0.0	-176.2	363.9	362.4	24.9
1.0	15.0	0.0	6.0	0.0	-212.8	437.1	435.5	27.6
1.0	15.0	0.0	7.0	0.0	-126.3	264.1	262.5	6.4
1.0	15.0	0.0	0.0	0.0	-81.5	165.2	165.1	3.4
1.0	15.0	7.0	0.0	0.0	-155.8	323.1	321.6	14.6
1.0	15.0	1.0	6.0	0.0	-166.2	343.9	342.3	12.9
1.0	15.0	0.0	4.0	0.0	-146.6	304.7	303.1	9.2
1.0	15.0	2.0	0.0	0.0	-107.0	234.0	230.0	2.8
1.0	15.0	6.0	0.0	0.0	-165.1	341.7	340.2	16.7
1.0	15.0	0.0	6.0	0.0	-178.2	367.8	366.3	12.8
0.9	15.0	0.0	6.0	0.0	-165.1	341.7	340.1	12.7
1.0	15.0	0.0	0.0	0.0	-106.8	215.7	215.6	2.7
1.0	15.0	4.0	0.0	0.0	-102.5	216.6	215.1	2.9
1.0	15.0	0.0	6.0	0.0	-153.5	318.7	317.1	20.8
1.0	15.0	0.0	6.0	0.0	-147.8	307.1	305.6	6.1
1.0	15.0	0.0	3.0	0.0	-115.2	242.0	240.5	3.0
1.0	15.0	5.0	0.0	0.0	-152.8	317.1	315.5	11.9
1.0	15.0	0.0	6.0	0.0	-144.8	301.2	299.7	6.1
0.9	15.0	0.0	7.0	0.0	-153.1	317.7	316.1	8.6
0.9	15.0	1.0	6.0	0.0	-161.7	334.9	333.3	12.7
1.0	15.0	6.0	0.0	0.0	-180.4	372.3	370.8	16.6
1.0	15.0	0.0	7.0	0.0	-155.1	321.8	320.2	12.0
1.0	15.0	0.0	8.0	0.0	-163.7	339.0	337.4	11.2
1.0	15.0	3.0	6.0	0.0	-228.6	477.1	473.1	65.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	4.0	0.0	-197.9	415.8	411.8	28.4
1.0	15.0	0.0	9.0	0.0	-162.8	337.1	335.5	18.6
1.0	15.0	1.0	3.0	0.0	-160.7	332.9	331.3	8.4
1.0	15.0	0.0	6.0	0.0	-130.7	272.9	271.4	5.2
1.0	15.0	3.0	1.0	0.0	-158.0	335.9	331.9	19.9
1.0	15.0	0.0	6.0	0.0	-179.3	370.2	368.6	12.8
1.0	15.0	0.0	7.0	0.0	-134.0	279.6	278.0	8.5
1.0	15.0	0.0	0.0	0.0	-89.5	181.1	181.0	3.7
1.0	15.0	7.0	0.0	0.0	-164.1	339.7	338.2	14.4
0.8	15.0	1.0	7.0	0.0	-170.4	352.4	350.9	20.0
1.0	15.0	0.0	6.0	0.0	-163.5	338.5	336.9	16.1
1.0	15.0	2.0	0.0	0.0	-131.1	282.2	278.2	10.8
1.0	15.0	6.0	0.0	0.0	-182.4	376.3	374.8	42.0
1.0	15.0	0.0	6.0	0.0	-161.5	334.5	332.9	12.6
1.0	15.0	0.0	6.0	0.0	-153.0	317.5	315.9	8.0
1.0	15.0	0.0	0.0	0.0	-98.2	198.5	198.4	2.2
1.0	15.0	3.0	0.0	0.0	-105.0	221.6	220.1	3.7
1.0	15.0	0.0	6.0	0.0	-169.8	351.0	349.5	12.2
1.0	15.0	0.0	7.0	0.0	-146.7	305.0	303.5	6.5
0.9	15.0	0.0	6.0	0.0	-110.5	232.6	231.0	2.6
1.0	15.0	6.0	0.0	0.0	-154.7	320.9	319.4	7.8
1.0	15.0	0.0	7.0	0.0	-146.9	305.4	303.9	7.2
1.0	15.0	0.0	2.0	0.0	-133.9	279.3	277.8	5.7
0.9	15.0	1.0	2.0	0.0	-137.2	294.5	290.5	6.1
0.7	15.0	2.0	0.0	0.0	-144.3	308.6	304.6	6.8
0.9	15.0	0.0	2.0	0.0	-143.0	297.6	296.1	6.5
0.8	15.0	1.0	3.0	0.0	-143.6	298.7	297.1	6.5
1.0	15.0	2.0	2.0	0.0	-174.9	369.7	365.7	16.7
1.0	15.0	2.0	1.0	0.0	-153.1	326.1	322.1	12.4
1.0	15.0	0.0	3.0	0.0	-132.9	277.3	275.8	5.6
1.0	15.0	0.0	3.0	0.0	-129.9	271.3	269.8	6.8
1.0	15.0	0.0	0.0	0.0	-83.5	169.2	169.1	2.7
0.9	15.0	3.0	0.0	0.0	-110.3	232.2	230.7	10.0
1.0	15.0	3.0	3.0	0.0	-135.3	290.6	286.6	11.0
1.0	15.0	0.0	2.0	0.0	-112.1	235.8	234.3	2.6
0.9	15.0	2.0	0.0	0.0	-122.7	265.4	261.4	8.1
0.7	15.0	2.0	0.0	0.0	-116.0	252.0	248.0	5.7
1.0	15.0	0.0	1.0	0.0	-172.4	346.9	346.8	13.5
0.9	15.0	0.0	3.0	0.0	-139.8	291.1	289.6	5.5
1.0	15.0	0.0	0.0	0.0	-91.2	184.4	184.3	2.5
1.0	15.0	3.0	0.0	0.0	-70.0	151.6	150.0	1.0
1.0	15.0	0.0	2.0	0.0	-151.6	314.8	313.2	8.1
1.0	15.0	0.0	2.0	0.0	-111.2	233.8	232.3	3.3
1.0	15.0	0.0	1.0	0.0	-107.5	226.5	225.0	2.5
1.0	15.0	1.0	0.0	0.0	-99.6	210.7	209.2	2.0
1.0	15.0	0.0	2.0	0.0	-179.1	369.7	368.2	12.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-114.5	231.0	230.9	5.8
1.0	15.0	1.0	0.0	0.0	-124.6	260.8	259.3	4.1
1.0	15.0	1.0	0.0	0.0	-123.2	258.0	256.5	4.4
1.0	15.0	0.0	0.0	0.0	-129.2	260.4	260.4	5.4
1.0	15.0	0.0	0.0	0.0	-133.0	268.1	268.0	4.9
1.0	15.0	3.0	0.0	0.0	-190.8	393.1	391.6	25.6
1.0	15.0	3.0	0.0	0.0	-183.2	377.9	376.4	20.4
1.0	15.0	0.0	0.0	0.0	-136.8	275.6	275.5	4.9
1.0	15.0	0.0	0.0	0.0	-153.6	309.3	309.2	7.4
1.0	15.0	1.0	0.0	0.0	-122.8	257.2	255.7	10.6
1.0	15.0	1.0	0.0	0.0	-125.3	262.2	260.7	7.8
1.0	15.0	1.0	0.0	0.0	-172.6	347.3	347.2	11.7
1.0	15.0	0.0	8.0	0.0	-118.5	248.5	247.0	3.3
1.0	15.0	6.0	0.0	0.0	-137.7	286.9	285.3	6.0
1.0	15.0	7.0	0.0	0.0	-118.4	248.3	246.7	3.7
1.0	15.0	0.0	7.0	0.0	-143.2	297.8	296.3	5.5
1.0	15.0	0.0	0.0	0.0	-128.8	259.6	259.5	5.8
0.8	15.0	2.0	0.0	0.0	-172.6	356.8	355.2	18.8
0.6	15.0	2.0	0.0	0.0	-120.8	261.7	257.6	4.3
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	10.3
1.0	15.0	0.0	2.0	0.0	-118.0	247.6	246.0	3.3
1.0	15.0	1.0	0.0	0.0	-141.8	295.1	293.5	6.7
1.0	15.0	2.0	0.0	0.0	-133.3	278.2	276.6	5.6
1.0	15.0	0.0	0.0	0.0	-125.3	252.7	252.6	3.9
1.0	15.0	0.0	2.0	0.0	-120.9	253.3	251.8	4.0
1.0	15.0	3.0	0.0	0.0	-149.0	309.6	308.0	8.9
1.0	15.0	3.0	0.0	0.0	-121.6	254.8	253.2	4.8
1.0	15.0	0.0	0.0	0.0	-164.6	331.3	331.2	8.9
0.9	15.0	0.0	2.0	0.0	-121.8	255.1	253.5	3.4
1.0	15.0	3.0	0.0	0.0	-153.1	317.8	316.3	9.8
0.7	15.0	3.0	0.0	0.0	-117.0	254.0	250.0	4.6
1.0	15.0	0.0	0.0	0.0	-163.0	328.0	328.0	8.3
1.0	15.0	0.0	0.0	0.0	-116.2	234.6	234.5	3.7
1.0	15.0	2.0	0.0	0.0	-180.8	373.2	371.6	13.9
1.0	15.0	1.0	0.0	0.0	-136.5	284.6	283.1	8.6
1.0	15.0	0.0	0.0	0.0	-156.1	314.4	314.3	7.3
1.0	15.0	0.0	0.0	0.0	-141.0	284.0	283.9	6.2
1.0	15.0	2.0	0.0	0.0	-108.5	228.5	226.9	6.1
1.0	15.0	1.0	0.0	0.0	-113.5	238.5	237.0	3.9
1.0	15.0	1.0	0.0	0.0	-186.2	374.4	374.3	14.5
1.0	15.0	0.0	1.0	0.0	-147.0	305.5	303.9	6.3
1.0	15.0	2.0	0.0	0.0	-139.4	298.7	294.7	5.7
0.5	15.0	2.0	0.0	0.0	-126.7	273.4	269.4	4.8
1.0	15.0	0.0	1.0	0.0	-140.5	292.4	290.9	7.9
1.0	15.0	0.0	1.0	0.0	-122.5	256.6	255.1	4.1
1.0	15.0	0.0	1.0	0.0	-145.0	301.6	300.1	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	1.0	0.0	-111.7	243.4	239.4	4.6
1.0	15.0	0.0	1.0	0.0	-152.7	316.8	315.3	8.2
1.0	15.0	0.0	2.0	0.0	-141.3	294.2	292.6	5.3
1.0	15.0	2.0	0.0	0.0	-141.3	294.0	292.5	19.0
1.0	15.0	2.0	0.0	0.0	-133.0	277.5	275.9	10.9
1.0	15.0	0.0	0.0	0.0	-123.3	248.8	248.7	4.1
1.0	15.0	0.0	0.0	0.0	-124.4	251.0	250.9	5.3
1.0	15.0	2.0	0.0	0.0	-149.0	309.6	308.0	7.0
1.0	15.0	2.0	0.0	0.0	-144.9	301.3	299.8	8.4
1.0	15.0	0.0	0.0	0.0	-125.7	253.4	253.3	3.9
1.0	15.0	0.0	0.0	0.0	-142.4	287.0	286.9	5.9
1.0	15.0	1.0	0.0	0.0	-147.4	296.9	296.8	8.1
1.0	15.0	2.0	0.0	0.0	-135.0	281.6	280.0	6.5
1.0	15.0	0.0	0.0	0.0	-143.4	288.8	288.8	6.2
1.0	15.0	0.0	0.0	0.0	-136.8	275.8	275.7	5.6
1.0	15.0	2.0	0.0	0.0	-158.2	327.9	326.3	9.0
1.0	15.0	3.0	0.0	0.0	-122.8	257.1	255.6	5.2
1.0	15.0	0.0	0.0	0.0	-114.0	230.2	230.1	3.2
1.0	15.0	0.0	2.0	0.0	-260.9	532.5	531.8	4.2
0.6	15.0	2.0	0.0	0.0	-308.9	635.5	633.7	7.8
0.8	15.0	2.0	0.0	0.0	-303.9	618.4	617.7	6.9
1.0	15.0	0.0	1.0	0.0	-303.4	608.8	608.7	8.9
1.0	15.0	0.0	2.0	0.0	-251.7	514.2	513.5	4.6
1.0	15.0	1.0	1.0	0.0	-374.6	766.9	765.1	26.4
1.0	15.0	1.0	1.0	0.0	-300.3	618.3	616.5	15.2
1.0	15.0	0.0	2.0	0.0	-299.5	609.8	609.0	8.1
1.0	15.0	0.0	1.0	0.0	-240.0	490.6	489.9	7.7
1.0	15.0	0.0	0.0	0.0	-201.8	405.7	405.6	9.7
1.0	15.0	1.0	0.0	0.0	-232.3	475.3	474.6	27.8
1.0	15.0	0.0	1.0	0.0	-329.8	670.4	669.7	12.4
1.0	15.0	0.0	1.0	0.0	-246.5	503.8	503.1	6.2
1.0	15.0	1.0	0.0	0.0	-231.0	464.0	464.0	6.1
1.0	15.0	2.0	0.0	0.0	-245.3	501.4	500.7	14.3
1.0	15.0	0.0	1.0	0.0	-368.2	747.1	746.4	14.1
1.0	15.0	0.0	2.0	0.0	-120.7	253.0	251.5	4.4
0.5	15.0	1.0	0.0	0.0	-149.5	319.0	315.0	6.0
1.0	15.0	2.0	0.0	0.0	-134.4	280.4	278.9	4.9
1.0	15.0	0.0	1.0	0.0	-123.9	259.3	257.7	6.3
1.0	15.0	0.0	0.0	0.0	-130.5	263.0	262.9	6.9
1.0	15.0	2.0	0.0	0.0	-185.8	391.6	387.6	18.2
1.0	15.0	1.0	0.0	0.0	-140.1	300.2	296.2	10.8
1.0	15.0	0.0	0.0	0.0	-129.2	260.5	260.4	15.1
1.0	15.0	0.0	1.0	0.0	-99.9	211.3	209.7	1.5
1.0	15.0	0.0	0.0	0.0	-60.5	123.1	123.0	0.8
1.0	15.0	1.0	0.0	0.0	-76.9	165.3	163.8	1.7
0.6	15.0	1.0	1.0	0.0	-135.2	290.3	286.3	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-124.1	259.8	258.3	3.8
1.0	15.0	2.0	1.0	0.0	-117.8	255.7	251.7	4.6
1.0	15.0	2.0	0.0	0.0	-109.7	230.9	229.4	2.9
1.0	15.0	0.0	1.0	0.0	-159.2	330.0	328.5	8.7
1.0	15.0	0.0	9.0	0.0	-127.8	267.1	265.6	4.2
1.0	15.0	9.0	0.0	0.0	-176.7	364.9	363.3	12.5
1.0	15.0	9.0	0.0	0.0	-156.6	324.7	323.2	7.7
1.0	15.0	0.0	0.0	0.0	-145.3	292.8	292.7	6.6
1.0	15.0	1.0	5.0	0.0	-135.8	283.2	281.7	5.0
1.0	15.0	8.0	0.0	0.0	-138.9	289.3	287.8	7.9
0.6	15.0	7.0	0.0	0.0	-136.5	293.1	289.1	9.5
1.0	15.0	0.0	0.0	0.0	-165.6	333.2	333.1	8.5
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.4	6.3
1.0	15.0	2.0	1.0	0.0	-145.2	310.5	306.5	8.7
1.0	15.0	3.0	0.0	0.0	-143.3	298.2	296.7	8.0
1.0	15.0	0.0	2.0	0.0	-128.1	267.7	266.2	5.7
1.0	15.0	0.0	1.0	0.0	-130.0	271.5	270.0	4.8
0.9	15.0	0.0	1.0	0.0	-114.4	240.4	238.8	3.3
1.0	15.0	1.0	0.0	0.0	-111.7	235.0	233.4	10.9
1.0	15.0	0.0	2.0	0.0	-154.9	321.4	319.9	7.8
1.0	15.0	0.0	1.0	0.0	-112.3	236.2	234.6	3.6
1.0	15.0	0.0	0.0	0.0	-73.7	149.6	149.5	8.6
1.0	15.0	1.0	0.0	0.0	-90.4	192.4	190.9	7.5
1.0	15.0	0.0	1.0	0.0	-128.9	269.2	267.7	4.5
1.0	15.0	0.0	2.0	0.0	-135.5	282.5	280.9	4.7
1.0	15.0	0.0	0.0	0.0	-72.3	146.8	146.7	1.4
1.0	15.0	1.0	0.0	0.0	-69.0	149.5	147.9	1.8
1.0	15.0	0.0	1.0	0.0	-162.8	337.0	335.5	10.9
1.0	15.0	0.0	2.0	0.0	-133.1	277.8	276.3	4.7
1.0	15.0	0.0	0.0	0.0	-89.7	181.5	181.5	2.1
1.0	15.0	3.0	0.0	0.0	-109.7	231.0	229.5	2.7
1.0	15.0	0.0	0.0	0.0	-164.3	330.6	330.5	10.1
0.6	15.0	0.0	2.0	0.0	-122.7	257.0	255.4	6.5
1.0	15.0	2.0	0.0	0.0	-146.0	303.6	302.0	15.6
1.0	15.0	2.0	0.0	0.0	-135.7	283.0	281.5	19.7
1.0	15.0	0.0	0.0	0.0	-143.0	288.1	288.0	7.2
1.0	15.0	0.0	0.0	0.0	-107.9	217.9	217.9	3.5
1.0	15.0	4.0	0.0	0.0	-163.3	346.5	342.5	12.0
1.0	15.0	2.0	0.0	0.0	-139.5	298.9	294.9	5.7
1.0	15.0	0.0	0.0	0.0	-164.2	330.4	330.3	12.9
1.0	15.0	0.0	3.0	0.0	-131.6	274.8	273.3	5.2
1.0	15.0	5.0	0.0	0.0	-124.7	269.4	265.4	6.2
0.7	15.0	4.0	0.0	0.0	-112.2	244.3	240.3	3.6
1.0	15.0	0.0	4.0	0.0	-175.9	363.3	361.7	12.2
1.0	15.0	0.0	7.0	0.0	-1202.1	2420.7	2420.2	13.5
1.0	15.0	2.0	5.0	0.0	-1138.6	2293.6	2293.1	13.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-1234.6	2485.6	2485.1	16.3
1.0	15.0	0.0	4.0	0.0	-1325.7	2667.9	2667.5	23.6
1.0	15.0	0.0	0.0	0.0	-992.4	1986.9	1986.9	5.8
1.0	15.0	4.0	0.0	0.0	-1314.9	2639.9	2639.7	20.8
1.0	15.0	3.0	0.0	0.0	-1148.1	2306.3	2306.1	12.0
1.0	15.0	0.0	4.0	0.0	-1268.0	2546.3	2546.1	13.2
0.9	15.0	0.0	6.0	0.0	-1090.8	2191.9	2191.7	7.8
1.0	15.0	6.0	0.0	0.0	-1164.8	2346.2	2345.7	13.0
1.0	15.0	8.0	0.0	0.0	-1043.6	2097.3	2097.1	8.0
1.0	15.0	0.0	7.0	0.0	-1370.5	2751.2	2751.0	19.5
0.7	15.0	0.0	6.0	0.0	-682.4	1375.1	1374.7	12.0
1.0	15.0	1.0	5.0	0.0	-660.7	1338.2	1337.3	16.3
1.0	15.0	2.0	0.0	0.0	-693.8	1404.4	1403.6	16.3
0.8	15.0	1.0	4.0	0.0	-784.9	1586.6	1585.8	24.6
1.0	15.0	0.0	3.0	0.0	-540.5	1091.4	1091.0	4.7
1.0	15.0	3.0	0.0	0.0	-683.0	1376.4	1376.0	14.4
1.0	15.0	3.0	0.0	0.0	-593.8	1198.0	1197.7	9.5
1.0	15.0	0.0	1.0	0.0	-700.6	1403.2	1403.2	14.9
1.0	15.0	0.0	5.0	0.0	-584.4	1185.6	1184.8	6.1
1.0	15.0	4.0	0.0	0.0	-589.2	1195.3	1194.5	9.1
0.8	15.0	3.0	0.0	0.0	-519.4	1049.1	1048.8	5.4
1.0	15.0	0.0	6.0	0.0	-771.8	1553.9	1553.5	18.4
1.0	15.0	0.0	8.0	0.0	-1216.8	2450.1	2449.6	12.7
1.0	15.0	2.0	6.0	0.0	-1259.8	2536.1	2535.6	16.6
1.0	15.0	3.0	0.0	0.0	-1334.6	2685.6	2685.2	18.9
1.0	15.0	1.0	5.0	0.0	-1318.7	2653.9	2653.4	26.0
1.0	15.0	0.0	2.0	0.0	-1038.2	2086.6	2086.4	9.0
1.0	15.0	2.0	0.0	0.0	-1433.0	2876.2	2876.0	60.0
1.0	15.0	2.0	0.0	0.0	-1249.5	2509.3	2509.1	28.1
1.0	15.0	0.0	4.0	0.0	-1300.1	2610.3	2610.1	16.6
1.0	15.0	0.0	7.0	0.0	-1190.7	2391.6	2391.4	13.4
1.0	15.0	8.0	0.0	0.0	-1153.2	2322.9	2322.5	11.8
1.0	15.0	7.0	0.0	0.0	-1250.5	2511.3	2511.1	22.4
1.0	15.0	0.0	7.0	0.0	-1520.4	3050.9	3050.7	33.0
1.0	15.0	0.0	2.0	0.0	-1011.4	2032.9	2032.7	6.5
1.0	15.0	3.0	0.0	0.0	-1004.8	2026.0	2025.5	12.1
1.0	15.0	3.0	0.0	0.0	-939.0	1888.3	1888.1	8.4
1.0	15.0	0.0	2.0	0.0	-1205.6	2421.4	2421.2	12.4
1.0	15.0	0.0	2.0	0.0	-127.2	265.9	264.4	4.6
1.0	15.0	4.0	0.0	0.0	-145.5	311.0	307.0	6.8
1.0	15.0	4.0	0.0	0.0	-133.3	286.6	282.6	5.5
1.0	15.0	0.0	0.0	0.0	-131.3	264.8	264.7	4.8
0.9	15.0	0.0	1.0	0.0	-132.0	275.5	273.9	5.6
0.6	15.0	2.0	0.0	0.0	-177.0	365.5	363.9	18.8
1.0	15.0	1.0	0.0	0.0	-125.1	261.8	260.3	4.8
1.0	15.0	0.0	1.0	0.0	-143.5	298.6	297.0	8.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-147.8	307.2	305.7	6.3
1.0	15.0	5.0	0.0	0.0	-105.1	230.2	226.2	2.0
1.0	15.0	0.0	0.0	0.0	-112.0	226.1	226.0	2.8
1.0	15.0	0.0	1.0	0.0	-174.3	350.8	350.7	13.9
1.0	15.0	0.0	1.0	0.0	-113.0	237.6	236.0	3.1
1.0	15.0	0.0	0.0	0.0	-67.1	136.2	136.1	1.4
1.0	15.0	1.0	0.0	0.0	-80.3	172.1	170.5	7.1
1.0	15.0	0.0	2.0	0.0	-121.0	253.5	252.0	3.7
1.0	15.0	0.0	1.0	0.0	-110.9	233.4	231.8	2.9
1.0	15.0	3.0	0.0	0.0	-121.0	262.1	258.1	3.8
1.0	15.0	3.0	0.0	0.0	-110.3	232.1	230.5	3.7
1.0	15.0	0.0	1.0	0.0	-158.0	327.5	325.9	7.7
1.0	15.0	0.0	4.0	0.0	-127.0	265.5	263.9	5.3
1.0	15.0	2.0	2.0	0.0	-146.0	312.1	308.1	8.2
1.0	15.0	5.0	0.0	0.0	-142.8	305.6	301.6	9.6
0.9	15.0	0.0	3.0	0.0	-138.5	288.4	286.9	7.9
1.0	15.0	0.0	3.0	0.0	-139.3	290.1	288.6	9.3
1.0	15.0	2.0	3.0	0.0	-204.0	419.5	418.0	28.6
1.0	15.0	3.0	0.0	0.0	-169.0	358.0	354.0	13.7
1.0	15.0	0.0	7.0	0.0	-181.3	374.2	372.6	14.2
1.0	15.0	0.0	2.0	0.0	-166.8	345.2	343.6	13.2
1.0	15.0	0.0	2.0	0.0	-116.8	245.1	243.5	3.4
1.0	15.0	1.0	0.0	0.0	-158.7	328.9	327.4	16.5
1.0	15.0	0.0	4.0	0.0	-184.1	379.6	378.1	14.5
1.0	15.0	0.0	5.0	0.0	-132.1	275.7	274.2	8.9
1.0	15.0	0.0	4.0	0.0	-80.3	172.2	170.6	1.1
1.0	15.0	3.0	0.0	0.0	-108.7	228.9	227.4	11.8
1.0	15.0	0.0	5.0	0.0	-178.7	368.9	367.4	15.7
1.0	15.0	0.0	3.0	0.0	-128.9	269.4	267.8	4.7
1.0	15.0	0.0	1.0	0.0	-101.1	213.8	212.3	1.8
1.0	15.0	3.0	0.0	0.0	-121.3	254.2	252.7	9.8
1.0	15.0	0.0	6.0	0.0	-165.4	342.4	340.9	9.0
1.0	15.0	0.0	4.0	0.0	-136.0	283.5	282.0	8.7
1.0	15.0	0.0	0.0	0.0	-80.7	163.5	163.4	2.1
1.0	15.0	2.0	0.0	0.0	-77.8	167.3	165.7	2.5
1.0	15.0	0.0	3.0	0.0	-169.3	350.1	348.5	10.8
1.0	15.0	0.0	6.0	0.0	-147.8	307.1	305.6	7.8
0.9	15.0	0.0	3.0	0.0	-124.8	261.2	259.6	4.5
1.0	15.0	3.0	0.0	0.0	-152.1	315.7	314.2	17.9
1.0	15.0	0.0	3.0	0.0	-164.0	339.6	338.1	11.7
1.0	15.0	0.0	1.0	0.0	-124.9	261.4	259.9	8.6
1.0	15.0	2.0	1.0	0.0	-171.4	362.9	358.9	18.4
1.0	15.0	2.0	1.0	0.0	-140.3	300.6	296.6	12.8
1.0	15.0	0.0	1.0	0.0	-150.9	313.3	311.8	7.8
1.0	15.0	0.0	1.0	0.0	-126.0	263.6	262.0	3.7
1.0	15.0	0.0	0.0	0.0	-105.6	213.3	213.2	2.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	1.0	0.0	0.0	-105.6	222.8	221.3	2.5
1.0	15.0	0.0	0.0	0.0	-178.2	358.6	358.5	12.8
1.0	15.0	0.0	1.0	0.0	-135.0	281.4	279.9	5.1
1.0	15.0	4.0	0.0	0.0	-113.2	238.0	236.5	3.2
1.0	15.0	4.0	0.0	0.0	-114.9	241.3	239.7	3.7
1.0	15.0	0.0	1.0	0.0	-168.3	338.6	338.5	12.1
1.0	15.0	0.0	2.0	0.0	-134.5	280.5	279.0	5.6
1.0	15.0	4.0	0.0	0.0	-138.4	288.4	286.9	7.5
1.0	15.0	3.0	0.0	0.0	-129.1	269.8	268.2	9.3
1.0	15.0	0.0	0.0	0.0	-156.2	314.4	314.3	8.6
0.8	15.0	2.0	0.0	0.0	-139.0	298.0	294.0	5.4
1.0	15.0	3.0	0.0	0.0	-176.3	364.2	362.6	19.2
1.0	15.0	1.0	0.0	0.0	-123.3	258.1	256.6	9.4
1.0	15.0	0.0	0.0	0.0	-159.1	320.2	320.2	7.9
1.0	15.0	0.0	2.0	0.0	-813.6	1637.5	1637.3	3.2
1.0	15.0	2.0	0.0	0.0	-1006.8	2023.9	2023.7	6.6
1.0	15.0	2.0	0.0	0.0	-957.7	1925.7	1925.5	6.9
1.0	15.0	0.0	0.0	0.0	-955.4	1912.8	1912.8	5.3
1.0	15.0	0.0	2.0	0.0	-861.9	1734.0	1733.8	4.2
1.0	15.0	2.0	0.0	0.0	-1231.9	2474.0	2473.8	14.0
1.0	15.0	2.0	0.0	0.0	-987.6	1985.4	1985.2	6.8
1.0	15.0	0.0	0.0	0.0	-1033.1	2068.2	2068.2	7.2
1.0	15.0	0.0	0.0	0.0	-919.6	1841.2	1841.2	4.5
0.6	15.0	3.0	0.0	0.0	-911.5	1839.5	1839.0	7.4
1.0	15.0	3.0	0.0	0.0	-876.1	1762.3	1762.1	6.4
1.0	15.0	0.0	0.0	0.0	-1175.0	2352.0	2352.0	10.3
1.0	15.0	0.0	1.0	0.0	-506.5	1023.3	1022.9	4.1
1.0	15.0	2.0	0.0	0.0	-583.5	1177.2	1176.9	6.9
1.0	15.0	1.0	0.0	0.0	-565.1	1140.6	1140.2	7.7
1.0	15.0	0.0	0.0	0.0	-600.0	1202.1	1202.0	6.5
1.0	15.0	0.0	0.0	0.0	-575.6	1153.3	1153.3	6.7
1.0	15.0	2.0	0.0	0.0	-644.9	1300.2	1299.8	12.1
1.0	15.0	2.0	0.0	0.0	-581.0	1172.4	1172.1	10.0
1.0	15.0	0.0	0.0	0.0	-620.7	1243.5	1243.5	7.7
1.0	15.0	0.0	0.0	0.0	-499.0	1000.1	1000.0	4.3
0.6	15.0	2.0	0.0	0.0	-462.1	941.1	940.2	4.6
0.7	15.0	3.0	0.0	0.0	-438.1	893.0	892.1	4.0
1.0	15.0	0.0	0.0	0.0	-666.6	1335.3	1335.3	9.4
1.0	15.0	0.0	2.0	0.0	-673.6	1357.5	1357.3	3.0
1.0	15.0	2.0	0.0	0.0	-805.5	1621.2	1621.0	5.8
1.0	15.0	2.0	0.0	0.0	-785.6	1581.5	1581.3	6.0
1.0	15.0	0.0	0.0	0.0	-814.8	1631.7	1631.7	5.3
1.0	15.0	0.0	2.0	0.0	-748.8	1507.9	1507.6	4.0
1.0	15.0	1.0	0.0	0.0	-982.0	1974.2	1973.9	10.5
1.0	15.0	1.0	0.0	0.0	-785.1	1580.4	1580.2	6.1
1.0	15.0	0.0	0.0	0.0	-933.3	1868.5	1868.5	7.7



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-109.5	230.5	229.0	3.3
1.0	15.0	0.0	0.0	0.0	-157.5	317.0	316.9	8.0
1.0	15.0	1.0	0.0	0.0	-132.1	275.8	274.3	5.2
1.0	15.0	0.0	1.0	0.0	-153.7	319.0	317.5	7.1
1.0	15.0	0.0	0.0	0.0	-143.8	289.6	289.6	14.0
1.0	15.0	3.0	1.0	0.0	-183.2	386.4	382.4	32.1
1.0	15.0	3.0	1.0	0.0	-162.0	335.6	334.1	30.6
1.0	15.0	0.0	1.0	0.0	-161.3	334.2	332.7	14.1
1.0	15.0	0.0	1.0	0.0	-142.8	297.2	295.7	10.3
1.0	15.0	1.0	0.0	0.0	-98.9	209.4	207.8	4.8
0.9	15.0	1.0	0.0	0.0	-130.1	271.8	270.2	44.5
1.0	15.0	0.0	1.0	0.0	-167.9	347.3	345.8	12.6
1.0	15.0	0.0	2.0	0.0	-149.2	310.0	308.4	14.2
1.0	15.0	0.0	0.0	0.0	-122.0	246.0	245.9	3.9
0.6	15.0	1.0	0.0	0.0	-124.5	260.6	259.0	41.7
1.0	15.0	0.0	2.0	0.0	-180.5	372.6	371.0	17.1
1.0	15.0	0.0	0.0	0.0	-281.1	564.2	564.2	5.1
1.0	15.0	6.0	0.0	0.0	-253.0	523.7	521.9	5.0
1.0	15.0	6.0	0.0	0.0	-248.4	514.5	512.7	4.7
1.0	15.0	0.0	0.0	0.0	-305.3	612.6	612.6	7.6
1.0	15.0	0.0	2.0	0.0	-115.5	242.6	241.1	3.7
1.0	15.0	3.0	0.0	0.0	-172.2	355.9	354.3	12.7
1.0	15.0	2.0	0.0	0.0	-137.2	286.0	284.4	7.1
1.0	15.0	0.0	0.0	0.0	-133.4	268.9	268.8	5.2
1.0	15.0	0.0	3.0	0.0	-114.4	240.3	238.8	3.0
1.0	15.0	3.0	0.0	0.0	-147.5	306.6	305.1	6.1
1.0	15.0	3.0	0.0	0.0	-139.0	289.6	288.1	5.8
1.0	15.0	0.0	0.0	0.0	-152.4	306.9	306.8	7.8
0.9	15.0	0.0	1.0	0.0	-143.1	297.8	296.2	6.6
1.0	15.0	2.0	1.0	0.0	-157.3	334.7	330.7	16.0
1.0	15.0	0.0	1.0	0.0	-116.2	234.4	234.3	8.3
1.0	15.0	0.0	1.0	0.0	-143.6	298.7	297.1	5.6
1.0	15.0	0.0	1.0	0.0	-116.8	245.0	243.5	3.4
1.0	15.0	0.0	0.0	0.0	-97.3	196.7	196.6	3.6
1.0	15.0	1.0	0.0	0.0	-116.7	245.0	243.5	11.0
1.0	15.0	0.0	1.0	0.0	-147.7	307.0	305.5	6.0
1.0	15.0	0.0	1.0	0.0	-108.8	229.2	227.7	2.4
1.0	15.0	0.0	0.0	0.0	-155.0	312.2	312.1	7.9
1.0	15.0	1.0	0.0	0.0	-140.4	292.4	290.9	5.6
1.0	15.0	0.0	1.0	0.0	-123.5	258.6	257.0	3.9
1.0	15.0	0.0	1.0	0.0	-136.3	284.1	282.5	6.8
1.0	15.0	1.0	1.0	0.0	-169.4	358.8	354.8	19.6
1.0	15.0	1.0	1.0	0.0	-128.0	275.9	271.9	10.5
1.0	15.0	0.0	1.0	0.0	-149.2	310.0	308.5	7.2
1.0	15.0	0.0	1.0	0.0	-105.5	222.5	220.9	2.4
1.0	15.0	0.0	0.0	0.0	-63.9	129.9	129.8	1.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-83.3	178.0	176.5	6.5
1.0	15.0	0.0	2.0	0.0	-127.7	267.0	265.4	4.9
1.0	15.0	0.0	2.0	0.0	-121.4	254.4	252.8	3.3
0.9	15.0	0.0	1.0	0.0	-109.7	231.0	229.4	4.6
1.0	15.0	1.0	0.0	0.0	-110.5	232.5	230.9	3.5
1.0	15.0	0.0	2.0	0.0	-154.3	320.1	318.5	7.8
1.0	15.0	0.0	4.0	0.0	-122.4	256.4	254.9	3.6
1.0	15.0	4.0	0.0	0.0	-155.2	322.0	320.5	8.2
1.0	15.0	4.0	0.0	0.0	-148.5	308.6	307.1	8.0
1.0	15.0	0.0	0.0	0.0	-129.4	260.8	260.7	4.4
1.0	15.0	0.0	0.0	0.0	-122.9	248.0	247.9	5.2
1.0	15.0	2.0	0.0	0.0	-162.3	336.1	334.5	11.6
1.0	15.0	1.0	0.0	0.0	-154.4	310.9	310.8	18.4
1.0	15.0	0.0	0.0	0.0	-140.4	282.8	282.7	5.3
1.0	15.0	0.0	2.0	0.0	-101.4	214.3	212.8	2.7
1.0	15.0	4.0	0.0	0.0	-157.7	326.8	325.3	11.4
1.0	15.0	3.0	0.0	0.0	-128.1	267.7	266.2	6.7
1.0	15.0	0.0	0.0	0.0	-122.1	246.2	246.2	3.3
1.0	15.0	0.0	2.0	0.0	-137.9	287.4	285.8	5.0
0.7	15.0	2.0	0.0	0.0	-197.0	405.5	403.9	18.6
1.0	15.0	3.0	0.0	0.0	-185.9	383.4	381.9	18.4
1.0	15.0	0.0	0.0	0.0	-134.3	270.8	270.7	4.7
1.0	15.0	0.0	1.0	0.0	-262.6	535.9	535.2	5.3
1.0	15.0	1.0	0.0	0.0	-343.9	698.6	697.9	11.2
1.0	15.0	1.0	0.0	0.0	-335.2	681.1	680.4	13.4
1.0	15.0	0.0	0.0	0.0	-285.7	573.4	573.4	5.9
1.0	15.0	0.0	0.0	0.0	-270.4	542.9	542.9	4.7
0.6	15.0	5.0	0.0	0.0	-342.0	701.7	700.0	12.9
0.7	15.0	4.0	0.0	0.0	-274.2	559.0	558.3	6.0
1.0	15.0	0.0	0.0	0.0	-286.8	575.7	575.6	6.3
1.0	15.0	0.0	4.0	0.0	-124.7	260.9	259.3	4.1
1.0	15.0	6.0	0.0	0.0	-148.4	316.8	312.8	7.2
0.8	15.0	6.0	0.0	0.0	-154.4	328.7	324.7	7.9
1.0	15.0	0.0	0.0	0.0	-167.1	336.3	336.2	8.8
1.0	15.0	0.0	1.0	0.0	-144.8	301.1	299.5	6.0
1.0	15.0	0.0	0.0	0.0	-141.2	284.4	284.3	6.0
0.8	15.0	1.0	0.0	0.0	-117.0	245.5	243.9	3.3
1.0	15.0	0.0	0.0	0.0	-167.6	337.3	337.2	9.4
1.0	15.0	2.0	0.0	0.0	-126.3	264.1	262.5	5.1
1.0	15.0	4.0	0.0	0.0	-136.4	284.4	282.8	5.6
1.0	15.0	0.0	0.0	0.0	-120.2	242.6	242.5	4.3
1.0	15.0	0.0	0.0	0.0	-149.0	300.1	300.1	7.3
1.0	15.0	5.0	0.0	0.0	-147.4	306.5	304.9	9.1
0.5	15.0	2.0	3.0	0.0	-168.0	347.7	346.1	11.3
0.9	15.0	0.0	5.0	0.0	-148.7	309.0	307.4	11.0
1.0	15.0	0.0	0.0	0.0	-148.0	298.2	298.1	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-137.8	287.2	285.6	6.5
1.0	15.0	0.0	0.0	0.0	-163.4	329.0	328.9	23.3
1.0	15.0	1.0	0.0	0.0	-136.6	284.8	283.3	9.3
1.0	15.0	0.0	1.0	0.0	-161.3	334.1	332.6	9.9
1.0	15.0	0.0	1.0	0.0	-124.2	260.0	258.4	3.8
1.0	15.0	0.0	0.0	0.0	-120.2	242.4	242.3	3.4
0.8	15.0	1.0	0.0	0.0	-107.7	227.0	225.5	2.6
1.0	15.0	0.0	1.0	0.0	-184.9	371.9	371.8	16.3
1.0	15.0	0.0	2.0	0.0	-126.7	264.9	263.3	4.5
1.0	15.0	0.0	2.0	0.0	-106.2	223.9	222.3	2.1
1.0	15.0	2.0	0.0	0.0	-136.0	283.5	281.9	31.4
1.0	15.0	0.0	2.0	0.0	-160.1	331.8	330.2	8.6
0.9	15.0	0.0	2.0	0.0	-135.5	282.5	281.0	4.9
1.0	15.0	11.0	0.0	0.0	-204.8	429.5	425.5	22.5
0.9	15.0	10.0	0.0	0.0	-204.9	429.7	425.7	23.8
1.0	15.0	0.0	0.0	0.0	-145.4	292.9	292.8	5.8
1.0	15.0	0.0	2.0	0.0	-116.4	244.3	242.7	4.0
1.0	15.0	0.0	1.0	0.0	-143.3	288.7	288.6	6.6
1.0	15.0	2.0	0.0	0.0	-125.2	262.0	260.4	6.5
1.0	15.0	0.0	2.0	0.0	-126.7	264.9	263.4	4.0
1.0	15.0	0.0	2.0	0.0	-111.5	234.6	233.1	3.1
1.0	15.0	0.0	0.0	0.0	-75.6	153.4	153.3	1.7
1.0	15.0	1.0	0.0	0.0	-80.1	171.7	170.1	8.1
1.0	15.0	0.0	1.0	0.0	-139.9	291.4	289.8	7.1
1.0	15.0	0.0	1.0	0.0	-110.1	231.8	230.2	3.9
1.0	15.0	0.0	0.0	0.0	-80.7	163.5	163.4	2.3
1.0	15.0	1.0	0.0	0.0	-90.0	191.6	190.0	2.7
1.0	15.0	0.0	1.0	0.0	-161.1	333.7	332.1	9.3
1.0	15.0	0.0	1.0	0.0	-120.2	252.0	250.5	3.6
1.0	15.0	0.0	0.0	0.0	-85.6	173.3	173.2	1.7
0.9	15.0	1.0	0.0	0.0	-90.5	192.6	191.1	2.9
1.0	15.0	0.0	1.0	0.0	-149.7	310.9	309.4	7.1
1.0	15.0	0.0	0.0	0.0	-134.4	271.0	270.9	4.6
1.0	15.0	2.0	0.0	0.0	-158.3	328.1	326.6	12.6
1.0	15.0	1.0	0.0	0.0	-149.9	311.4	309.9	8.0
1.0	15.0	0.0	1.0	0.0	-171.8	345.6	345.5	13.8
1.0	15.0	0.0	0.0	0.0	-128.9	259.9	259.8	4.1
1.0	15.0	2.0	0.0	0.0	-150.9	313.4	311.9	10.1
1.0	15.0	1.0	0.0	0.0	-130.7	272.9	271.3	7.2
1.0	15.0	0.0	0.0	0.0	-137.9	277.8	277.7	5.0
1.0	15.0	0.0	0.0	0.0	-101.0	204.1	204.0	2.4
1.0	15.0	4.0	0.0	0.0	-116.0	243.6	242.1	3.9
1.0	15.0	4.0	0.0	0.0	-119.6	250.8	249.3	4.2
1.0	15.0	0.0	4.0	0.0	-168.0	347.6	346.0	10.3
1.0	15.0	0.0	0.0	0.0	-107.7	217.5	217.4	2.6
1.0	15.0	1.0	0.0	0.0	-173.9	359.3	357.8	11.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-138.2	287.9	286.4	5.1
1.0	15.0	0.0	0.0	0.0	-159.6	321.2	321.2	8.4
1.0	15.0	0.0	0.0	0.0	-149.8	301.7	301.7	10.8
1.0	15.0	3.0	0.0	0.0	-176.6	364.8	363.3	29.5
1.0	15.0	2.0	0.0	0.0	-149.3	310.1	308.6	7.9
1.0	15.0	0.0	0.0	0.0	-154.1	310.4	310.3	15.8
1.0	15.0	0.0	0.0	0.0	-130.9	263.9	263.8	5.2
1.0	15.0	2.0	0.0	0.0	-167.8	347.1	345.6	10.2
1.0	15.0	2.0	0.0	0.0	-134.8	281.2	279.7	5.9
1.0	15.0	0.0	0.0	0.0	-127.8	257.6	257.5	4.0
1.0	15.0	0.0	2.0	0.0	-133.9	279.3	277.7	4.7
1.0	15.0	4.0	0.0	0.0	-177.0	365.5	364.0	12.8
1.0	15.0	3.0	0.0	0.0	-139.7	290.9	289.3	6.4
1.0	15.0	0.0	0.0	0.0	-149.4	300.8	300.7	8.4
1.0	15.0	0.0	0.0	0.0	-166.8	335.8	335.7	10.9
1.0	15.0	3.0	0.0	0.0	-174.2	360.0	358.5	15.5
1.0	15.0	3.0	0.0	0.0	-138.7	288.9	287.4	5.2
1.0	15.0	0.0	0.0	0.0	-163.8	329.8	329.7	9.2
1.0	15.0	0.0	2.0	0.0	-133.3	278.2	276.6	13.4
1.0	15.0	0.0	2.0	0.0	-137.2	286.0	284.5	6.6
1.0	15.0	1.0	0.0	0.0	-125.4	262.3	260.7	14.1
1.0	15.0	0.0	2.0	0.0	-162.0	335.6	334.1	16.2
1.0	15.0	0.0	3.0	0.0	-171.5	354.7	353.1	15.0
0.5	15.0	1.0	4.0	0.0	-219.7	459.5	455.4	58.3
0.6	15.0	3.0	3.0	0.0	-195.5	402.5	400.9	23.3
1.0	15.0	0.0	2.0	0.0	-163.0	337.6	336.1	20.5
1.0	15.0	1.0	1.0	0.0	-158.6	328.7	327.2	8.1
1.0	15.0	0.0	0.0	0.0	-111.9	226.0	225.9	3.4
1.0	15.0	1.0	0.0	0.0	-133.3	278.1	276.6	9.8
1.0	15.0	0.0	2.0	0.0	-173.1	357.8	356.2	12.1
1.0	15.0	0.0	2.0	0.0	-104.4	220.3	218.8	2.0
1.0	15.0	0.0	0.0	0.0	-71.5	145.0	144.9	1.4
1.0	15.0	2.0	0.0	0.0	-99.8	211.1	209.6	12.9
1.0	15.0	0.0	3.0	0.0	-174.1	359.8	358.3	11.3
1.0	15.0	0.0	2.0	0.0	-145.6	302.8	301.3	14.6
1.0	15.0	1.0	0.0	0.0	-103.5	209.0	208.9	6.9
0.7	15.0	2.0	0.0	0.0	-140.3	292.1	290.5	33.1
1.0	15.0	0.0	3.0	0.0	-175.4	362.3	360.8	18.9
0.8	15.0	0.0	3.0	0.0	-133.6	278.7	277.1	6.1
1.0	15.0	0.0	2.0	0.0	-109.7	231.0	229.5	5.2
1.0	15.0	3.0	0.0	0.0	-134.0	279.6	278.1	19.9
1.0	15.0	1.0	3.0	0.0	-159.5	330.5	329.0	9.3
1.0	15.0	0.0	1.0	0.0	-142.6	296.7	295.2	5.6
1.0	15.0	1.0	2.0	0.0	-190.7	401.4	397.4	17.8
0.9	15.0	1.0	0.0	0.0	-174.9	369.8	365.8	11.9
1.0	15.0	0.0	1.0	0.0	-150.9	313.3	311.7	7.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-111.7	234.9	233.4	3.0
1.0	15.0	0.0	0.0	0.0	-58.0	118.2	118.1	0.7
1.0	15.0	1.0	0.0	0.0	-79.3	170.0	168.5	5.5
1.0	15.0	1.0	2.0	0.0	-152.2	315.9	314.4	6.3
1.0	15.0	0.0	1.0	0.0	-127.3	266.1	264.6	4.6
1.0	15.0	0.0	0.0	0.0	-94.6	191.3	191.2	5.2
1.0	15.0	1.0	0.0	0.0	-105.4	222.3	220.8	4.0
1.0	15.0	0.0	2.0	0.0	-157.7	326.9	325.4	9.5
1.0	15.0	0.0	2.0	0.0	-132.3	276.2	274.6	4.0
1.0	15.0	0.0	0.0	0.0	-131.3	264.7	264.6	4.8
1.0	15.0	2.0	0.0	0.0	-146.1	303.8	302.3	52.9
1.0	15.0	0.0	2.0	0.0	-145.9	303.4	301.9	6.9
1.0	15.0	0.0	0.0	0.0	-121.2	244.5	244.4	3.7
1.0	15.0	2.0	0.0	0.0	-162.9	337.5	335.9	11.1
1.0	15.0	2.0	0.0	0.0	-121.1	253.8	252.2	4.1
1.0	15.0	0.0	0.0	0.0	-149.1	300.3	300.2	7.0
1.0	15.0	0.0	0.0	0.0	-109.9	221.9	221.8	3.5
1.0	15.0	1.0	0.0	0.0	-140.1	291.7	290.2	5.9
1.0	15.0	1.0	0.0	0.0	-106.3	224.1	222.5	2.1
1.0	15.0	0.0	0.0	0.0	-144.0	290.1	290.0	5.6
1.0	15.0	0.0	1.0	0.0	-115.1	241.8	240.3	6.8
1.0	15.0	0.0	0.0	0.0	-80.5	163.0	162.9	1.5
0.7	15.0	1.0	0.0	0.0	-82.5	176.5	175.0	6.1
1.0	15.0	0.0	2.0	0.0	-151.1	313.7	312.2	7.0
1.0	15.0	0.0	1.0	0.0	-126.7	265.0	263.4	3.7
1.0	15.0	0.0	0.0	0.0	-89.8	181.7	181.6	1.9
1.0	15.0	1.0	0.0	0.0	-98.1	207.7	206.2	2.0
1.0	15.0	0.0	1.0	0.0	-153.7	318.9	317.4	7.3
1.0	15.0	0.0	2.0	0.0	-114.1	239.6	238.1	2.8
0.7	15.0	0.0	1.0	0.0	-102.8	217.1	215.6	1.7
1.0	15.0	1.0	0.0	0.0	-106.8	225.2	223.7	5.0
1.0	15.0	0.0	2.0	0.0	-146.8	305.1	303.6	6.1
1.0	15.0	0.0	0.0	0.0	-113.6	229.4	229.3	3.6
1.0	15.0	1.0	0.0	0.0	-167.3	346.1	344.5	10.4
1.0	15.0	2.0	0.0	0.0	-122.3	256.1	254.5	4.1
1.0	15.0	0.0	0.0	0.0	-156.9	315.9	315.8	7.5
1.0	15.0	0.0	0.0	0.0	-148.7	299.6	299.5	6.4
1.0	15.0	5.0	0.0	0.0	-178.7	368.9	367.4	13.4
0.7	15.0	5.0	0.0	0.0	-131.5	282.9	278.9	5.2
1.0	15.0	0.0	5.0	0.0	-142.9	297.3	295.8	6.6
1.0	15.0	0.0	0.0	0.0	-134.7	271.6	271.5	4.9
0.8	15.0	6.0	0.0	0.0	-126.3	264.2	262.6	4.5
0.9	15.0	9.0	0.0	0.0	-120.9	253.3	251.7	3.8
1.0	15.0	0.0	0.0	0.0	-170.8	343.8	343.7	10.2
1.0	15.0	0.0	4.0	0.0	-123.0	257.5	255.9	3.5
1.0	15.0	3.0	0.0	0.0	-104.0	228.0	224.0	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-101.8	223.5	219.5	1.8
1.0	15.0	0.0	6.0	0.0	-158.1	327.8	326.2	7.2
1.0	15.0	0.0	0.0	0.0	-123.2	248.5	248.4	4.0
1.0	15.0	4.0	0.0	0.0	-155.4	322.2	320.7	8.6
1.0	15.0	3.0	0.0	0.0	-117.7	246.9	245.4	3.8
1.0	15.0	0.0	3.0	0.0	-166.6	344.7	343.2	9.5
1.0	15.0	0.0	0.0	0.0	-127.4	256.9	256.8	3.8
1.0	15.0	7.0	0.0	0.0	-139.2	289.9	288.4	6.6
1.0	15.0	5.0	0.0	0.0	-118.2	247.8	246.3	3.4
1.0	15.0	0.0	0.0	0.0	-179.2	360.4	360.3	12.0
1.0	15.0	0.0	3.0	0.0	-268.6	548.0	547.3	5.5
0.5	15.0	2.0	0.0	0.0	-247.0	511.8	510.0	5.2
0.9	15.0	3.0	0.0	0.0	-242.0	501.7	499.9	4.5
1.0	15.0	0.0	4.0	0.0	-283.9	578.6	577.9	5.8
1.0	15.0	0.0	0.0	0.0	-133.9	269.9	269.8	4.8
0.5	15.0	3.0	0.0	0.0	-171.5	363.1	359.1	15.9
1.0	15.0	3.0	0.0	0.0	-143.4	298.4	296.8	16.3
1.0	15.0	0.0	3.0	0.0	-148.5	308.6	307.1	13.1
1.0	15.0	0.0	0.0	0.0	-136.6	275.4	275.3	4.8
0.7	15.0	6.0	0.0	0.0	-137.2	294.4	290.4	5.1
0.8	15.0	7.0	0.0	0.0	-119.0	257.9	253.9	3.9
1.0	15.0	0.0	4.0	0.0	-174.3	360.2	358.6	11.4
1.0	15.0	0.0	5.0	0.0	-145.0	301.6	300.1	5.5
1.0	15.0	2.0	2.0	0.0	-112.4	244.8	240.8	3.3
0.9	15.0	3.0	0.0	0.0	-128.1	267.7	266.1	4.5
1.0	15.0	0.0	5.0	0.0	-154.3	320.2	318.6	6.7
1.0	15.0	0.0	2.0	0.0	-125.8	263.1	261.5	4.5
1.0	15.0	3.0	1.0	0.0	-142.7	305.5	301.5	7.2
0.5	15.0	4.0	0.0	0.0	-123.7	267.3	263.3	4.9
1.0	15.0	0.0	1.0	0.0	-146.0	303.5	301.9	6.6
0.5	15.0	0.0	1.0	0.0	-137.0	285.6	284.0	6.3
1.0	15.0	2.0	0.0	0.0	-184.4	380.3	378.7	20.2
1.0	15.0	2.0	0.0	0.0	-175.3	362.2	360.6	19.5
1.0	15.0	0.0	0.0	0.0	-158.4	318.8	318.7	7.9
1.0	15.0	0.0	2.0	0.0	-122.5	256.5	255.0	3.8
1.0	15.0	2.0	0.0	0.0	-155.9	323.4	321.8	11.2
1.0	15.0	2.0	0.0	0.0	-124.3	260.2	258.6	7.6
1.0	15.0	0.0	0.0	0.0	-157.7	317.5	317.4	8.5
1.0	15.0	0.0	0.0	0.0	-124.0	250.1	250.0	4.1
1.0	15.0	2.0	0.0	0.0	-144.3	300.1	298.5	6.6
1.0	15.0	2.0	0.0	0.0	-112.6	236.6	235.1	2.9
1.0	15.0	0.0	0.0	0.0	-154.7	311.4	311.3	7.7
1.0	15.0	0.0	0.0	0.0	-132.2	266.4	266.3	5.0
1.0	15.0	3.0	0.0	0.0	-171.1	353.8	352.2	14.1
1.0	15.0	2.0	0.0	0.0	-143.7	298.9	297.4	10.9
1.0	15.0	0.0	0.0	0.0	-143.0	288.0	287.9	5.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-127.8	257.7	257.6	4.2
1.0	15.0	3.0	0.0	0.0	-168.9	349.4	347.9	10.3
1.0	15.0	3.0	0.0	0.0	-113.4	238.3	236.7	4.0
1.0	15.0	0.0	0.0	0.0	-163.5	329.2	329.1	8.6
1.0	15.0	0.0	2.0	0.0	-135.6	282.7	281.2	4.9
1.0	15.0	0.0	0.0	0.0	-155.7	313.4	313.3	7.0
0.7	15.0	2.0	0.0	0.0	-144.8	301.1	299.6	9.6
1.0	15.0	0.0	0.0	0.0	-128.9	259.9	259.8	4.7
1.0	15.0	0.0	3.0	0.0	-130.3	272.1	270.6	5.9
0.8	15.0	1.0	4.0	0.0	-182.3	384.7	380.7	40.2
1.0	15.0	1.0	0.0	0.0	-133.7	278.9	277.3	15.5
1.0	15.0	0.0	0.0	0.0	-144.7	291.4	291.3	5.8
1.0	15.0	0.0	3.0	0.0	-120.5	252.5	251.0	4.4
1.0	15.0	1.0	0.0	0.0	-120.3	252.1	250.6	15.5
1.0	15.0	3.0	0.0	0.0	-133.9	279.3	277.8	26.1
1.0	15.0	0.0	0.0	0.0	-170.4	342.9	342.8	10.2
1.0	15.0	0.0	2.0	0.0	-131.0	273.6	272.0	6.7
1.0	15.0	2.0	0.0	0.0	-96.9	205.3	203.8	4.1
1.0	15.0	2.0	0.0	0.0	-110.1	231.7	230.2	13.5
1.0	15.0	0.0	0.0	0.0	-110.8	223.6	223.5	3.2
1.0	15.0	0.0	4.0	0.0	-133.9	279.3	277.8	5.2
1.0	15.0	0.0	0.0	0.0	-116.9	235.9	235.8	3.8
1.0	15.0	1.0	0.0	0.0	-104.8	221.2	219.6	3.6
1.0	15.0	0.0	0.0	0.0	-146.8	295.6	295.6	5.9
1.0	15.0	0.0	3.0	0.0	-136.7	284.9	283.3	6.4
1.0	15.0	0.0	0.0	0.0	-91.2	184.5	184.4	7.9
1.0	15.0	2.0	0.0	0.0	-89.3	190.1	188.5	7.8
1.0	15.0	0.0	0.0	0.0	-144.1	290.2	290.2	5.8
1.0	15.0	0.0	3.0	0.0	-125.1	261.7	260.2	6.1
1.0	15.0	1.0	0.0	0.0	-132.5	276.6	275.0	8.4
1.0	15.0	2.0	0.0	0.0	-129.5	270.5	268.9	16.0
1.0	15.0	0.0	0.0	0.0	-163.0	328.0	327.9	8.5
1.0	15.0	0.0	2.0	0.0	-114.5	240.6	239.1	3.0
1.0	15.0	3.0	0.0	0.0	-130.2	271.9	270.4	4.8
1.0	15.0	2.0	0.0	0.0	-121.8	255.1	253.6	3.8
1.0	15.0	0.0	0.0	0.0	-135.2	272.6	272.5	5.5
1.0	15.0	0.0	3.0	0.0	-119.0	249.6	248.0	4.3
1.0	15.0	0.0	2.0	0.0	-145.8	303.2	301.6	7.5
1.0	15.0	3.0	0.0	0.0	-131.1	273.8	272.3	5.1
1.0	15.0	0.0	3.0	0.0	-129.9	271.4	269.9	5.6
1.0	15.0	0.0	4.0	0.0	-128.5	268.5	267.0	7.7
0.9	15.0	1.0	5.0	0.0	-214.8	449.6	445.6	43.7
0.4	15.0	2.0	2.0	0.0	-176.2	372.5	368.5	22.7
1.0	15.0	0.0	5.0	0.0	-154.7	320.9	319.3	10.4
1.0	15.0	0.0	2.0	0.0	-130.1	271.7	270.1	5.7
1.0	15.0	0.0	2.0	0.0	-109.9	231.4	229.9	2.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-132.0	275.5	274.0	12.0
1.0	15.0	0.0	3.0	0.0	-165.7	343.0	341.5	10.6
1.0	15.0	0.0	2.0	0.0	-127.0	265.5	264.0	12.6
1.0	15.0	0.0	0.0	0.0	-78.5	159.1	159.0	3.1
1.0	15.0	2.0	0.0	0.0	-118.5	248.6	247.1	11.5
1.0	15.0	0.0	2.0	0.0	-133.9	279.3	277.8	13.6
1.0	15.0	0.0	2.0	0.0	-134.4	280.3	278.8	6.8
1.0	15.0	0.0	0.0	0.0	-79.5	161.0	160.9	1.5
1.0	15.0	2.0	0.0	0.0	-119.2	250.0	248.5	13.8
1.0	15.0	0.0	3.0	0.0	-173.6	358.8	357.2	13.6
1.0	15.0	1.0	2.0	0.0	-145.4	302.2	300.7	7.0
1.0	15.0	0.0	0.0	0.0	-68.4	138.9	138.8	1.2
1.0	15.0	1.0	0.0	0.0	-68.1	147.7	146.1	0.8
1.0	15.0	0.0	2.0	0.0	-142.4	296.4	294.8	7.5
1.0	15.0	0.0	3.0	0.0	-128.8	269.2	267.7	6.9
1.0	15.0	0.0	2.0	0.0	-109.4	238.7	234.7	18.8
1.0	15.0	3.0	0.0	0.0	-141.0	293.6	292.1	19.6
1.0	15.0	0.0	3.0	0.0	-145.7	302.8	301.3	5.7
1.0	15.0	0.0	4.0	0.0	-111.7	235.0	233.5	2.8
0.9	15.0	5.0	0.0	0.0	-125.6	262.8	261.2	4.2
1.0	15.0	5.0	0.0	0.0	-129.1	269.6	268.1	5.6
1.0	15.0	0.0	0.0	0.0	-137.1	276.2	276.1	5.6
1.0	15.0	0.0	1.0	0.0	-152.7	316.9	315.4	11.4
1.0	15.0	0.0	2.0	0.0	-186.8	385.2	383.7	24.2
0.9	15.0	3.0	2.0	0.0	-149.7	319.4	315.4	14.4
1.0	15.0	0.0	2.0	0.0	-177.9	367.4	365.8	12.4
0.9	15.0	0.0	6.0	0.0	-161.2	324.5	324.4	8.3
1.0	15.0	0.0	0.0	0.0	-112.2	226.4	226.3	3.0
1.0	15.0	2.0	0.0	0.0	-115.6	251.2	247.2	3.0
1.0	15.0	0.0	0.0	0.0	-174.5	351.0	350.9	12.2
0.9	15.0	1.0	4.0	0.0	-130.5	281.0	277.0	7.2
1.0	15.0	4.0	0.0	0.0	-157.6	326.7	325.2	49.8
0.7	15.0	5.0	0.0	0.0	-167.8	355.6	351.6	54.5
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	6.7
1.0	15.0	0.0	3.0	0.0	-133.2	286.5	282.5	5.0
1.0	15.0	3.0	0.0	0.0	-161.9	343.8	339.8	9.2
1.0	15.0	3.0	0.0	0.0	-155.2	330.5	326.5	9.7
1.0	15.0	2.0	0.0	0.0	-149.1	309.7	308.2	8.4
1.0	15.0	0.0	1.0	0.0	-133.3	278.1	276.6	5.4
1.0	15.0	1.0	0.0	0.0	-116.9	245.4	243.8	9.8
1.0	15.0	1.0	0.0	0.0	-117.6	246.7	245.2	10.1
1.0	15.0	0.0	0.0	0.0	-188.2	378.4	378.3	14.7
1.0	15.0	0.0	1.0	0.0	-120.2	251.9	250.4	3.3
1.0	15.0	3.0	0.0	0.0	-137.5	295.1	291.1	5.0
1.0	15.0	2.0	0.0	0.0	-139.1	289.8	288.2	5.4
1.0	15.0	0.0	1.0	0.0	-156.9	315.8	315.8	10.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-123.9	259.3	257.8	4.2
0.5	15.0	1.0	2.0	0.0	-180.2	380.3	376.3	32.3
1.0	15.0	2.0	2.0	0.0	-153.2	326.3	322.3	14.9
1.0	15.0	0.0	3.0	0.0	-173.8	359.1	357.6	12.1
1.0	15.0	0.0	1.0	0.0	-111.1	233.7	232.1	3.9
1.0	15.0	0.0	0.0	0.0	-75.4	153.0	152.9	1.3
1.0	15.0	1.0	0.0	0.0	-81.0	173.6	172.1	8.5
1.0	15.0	0.0	2.0	0.0	-138.6	288.8	287.2	7.9
1.0	15.0	0.0	3.0	0.0	-142.6	296.8	295.3	6.2
0.5	15.0	1.0	0.0	0.0	-127.2	274.4	270.4	10.1
0.9	15.0	3.0	0.0	0.0	-128.6	277.2	273.2	9.4
1.0	15.0	0.0	1.0	0.0	-177.8	367.1	365.5	13.7
1.0	15.0	0.0	1.0	0.0	-128.3	268.2	266.7	4.5
1.0	15.0	1.0	1.0	0.0	-127.9	275.8	271.8	6.2
1.0	15.0	2.0	0.0	0.0	-119.2	250.0	248.5	5.2
1.0	15.0	0.0	1.0	0.0	-151.3	314.2	312.7	6.7
1.0	15.0	0.0	2.0	0.0	-121.9	255.4	253.9	3.9
1.0	15.0	2.0	0.0	0.0	-158.8	329.1	327.6	9.7
1.0	15.0	2.0	0.0	0.0	-131.2	274.0	272.4	4.4
1.0	15.0	0.0	0.0	0.0	-159.5	321.2	321.1	9.0
1.0	15.0	1.0	1.0	0.0	-141.3	294.1	292.5	5.8
1.0	15.0	2.0	1.0	0.0	-171.1	362.2	358.2	12.9
1.0	15.0	2.0	1.0	0.0	-149.6	319.3	315.3	12.5
1.0	15.0	0.0	1.0	0.0	-167.6	337.3	337.3	14.4
1.0	15.0	0.0	2.0	0.0	-118.9	249.4	247.9	3.5
1.0	15.0	0.0	0.0	0.0	-116.5	235.2	235.1	4.6
1.0	15.0	2.0	0.0	0.0	-102.2	215.9	214.4	3.5
1.0	15.0	0.0	1.0	0.0	-154.8	321.1	319.6	9.3
1.0	15.0	0.0	1.0	0.0	-106.1	223.7	222.2	2.4
1.0	15.0	2.0	0.0	0.0	-108.2	227.9	226.4	3.3
1.0	15.0	1.0	0.0	0.0	-106.5	224.6	223.0	5.2
1.0	15.0	0.0	1.0	0.0	-180.6	363.3	363.2	14.0
1.0	15.0	0.0	3.0	0.0	-253.6	518.0	517.3	6.8
1.0	15.0	3.0	0.0	0.0	-341.6	693.8	693.1	19.9
1.0	15.0	3.0	0.0	0.0	-282.2	575.0	574.3	13.7
1.0	15.0	0.0	0.0	0.0	-324.5	651.1	651.0	10.3
1.0	15.0	0.0	1.0	0.0	-220.6	452.0	451.3	3.0
1.0	15.0	0.0	0.0	0.0	-125.0	252.0	252.0	1.7
0.6	15.0	1.0	0.0	0.0	-162.6	336.0	335.3	4.0
1.0	15.0	0.0	2.0	0.0	-303.4	617.6	616.9	8.6
1.0	15.0	0.0	1.0	0.0	-120.8	253.1	251.5	3.9
1.0	15.0	3.0	0.0	0.0	-161.7	335.0	333.5	11.3
1.0	15.0	2.0	0.0	0.0	-138.1	287.8	286.3	7.7
1.0	15.0	0.0	0.0	0.0	-164.6	331.3	331.2	9.2
1.0	15.0	0.0	5.0	0.0	-118.8	249.2	247.7	3.4
1.0	15.0	0.0	3.0	0.0	-122.8	257.1	255.6	3.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-119.4	258.7	254.7	4.1
1.0	15.0	0.0	0.0	0.0	-149.3	300.7	300.6	7.4
0.9	15.0	0.0	2.0	0.0	-145.8	303.1	301.5	8.1
1.0	15.0	4.0	1.0	0.0	-187.1	394.1	390.1	49.5
1.0	15.0	4.0	1.0	0.0	-154.6	329.1	325.1	25.5
1.0	15.0	0.0	1.0	0.0	-154.2	319.9	318.3	13.2
1.0	15.0	0.0	3.0	0.0	-126.9	265.4	263.9	11.9
1.0	15.0	0.0	0.0	0.0	-74.8	151.6	151.5	1.5
1.0	15.0	3.0	0.0	0.0	-114.6	240.8	239.3	11.9
1.0	15.0	0.0	2.0	0.0	-141.5	294.6	293.1	19.7
1.0	15.0	0.0	3.0	0.0	-148.9	309.4	307.8	12.9
1.0	15.0	0.0	0.0	0.0	-102.4	207.0	206.9	3.2
1.0	15.0	4.0	0.0	0.0	-136.8	285.2	283.6	9.1
1.0	15.0	0.0	4.0	0.0	-178.3	368.2	366.6	16.2
1.0	15.0	0.0	4.0	0.0	-130.5	272.4	270.9	4.4
1.0	15.0	0.0	0.0	0.0	-68.6	139.3	139.2	1.2
1.0	15.0	2.0	0.0	0.0	-62.3	136.1	134.5	0.4
1.0	15.0	0.0	0.0	0.0	-176.1	354.4	354.3	15.2
1.0	15.0	0.0	3.0	0.0	-119.7	251.0	249.5	4.4
1.0	15.0	0.0	0.0	0.0	-108.8	219.7	219.6	3.6
1.0	15.0	2.0	0.0	0.0	-97.7	206.9	205.4	3.3
1.0	15.0	0.0	2.0	0.0	-170.4	352.2	350.7	15.2
1.0	15.0	0.0	4.0	0.0	-144.2	308.4	304.4	6.3
0.9	15.0	5.0	0.0	0.0	-190.6	401.2	397.2	17.8
1.0	15.0	4.0	0.0	0.0	-146.3	312.5	308.5	10.4
1.0	15.0	0.0	0.0	0.0	-163.8	329.6	329.5	8.1
1.0	15.0	0.0	4.0	0.0	-130.8	273.1	271.6	10.7
1.0	15.0	0.0	0.0	0.0	-82.0	166.2	166.1	1.6
1.0	15.0	3.0	0.0	0.0	-126.3	264.1	262.5	16.3
1.0	15.0	0.0	3.0	0.0	-149.6	310.8	309.3	20.1
1.0	15.0	0.0	4.0	0.0	-162.8	345.6	341.6	16.6
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	18.5
1.0	15.0	2.0	0.0	0.0	-143.2	306.5	302.5	16.3
1.0	15.0	0.0	2.0	0.0	-191.6	394.8	393.2	21.5
1.0	15.0	0.0	4.0	0.0	-144.3	300.1	298.6	8.4
0.9	15.0	0.0	2.0	0.0	-110.8	233.2	231.7	2.7
1.0	15.0	2.0	0.0	0.0	-118.0	247.5	245.9	8.0
1.0	15.0	0.0	3.0	0.0	-177.3	366.1	364.6	20.0
1.0	15.0	0.0	0.0	0.0	-125.6	253.3	253.2	4.1
1.0	15.0	2.0	0.0	0.0	-152.3	316.2	314.6	9.5
1.0	15.0	2.0	0.0	0.0	-132.5	276.5	274.9	6.2
1.0	15.0	0.0	0.0	0.0	-142.6	287.2	287.1	5.6
1.0	15.0	0.0	0.0	0.0	-128.3	258.7	258.7	4.2
1.0	15.0	2.0	0.0	0.0	-141.5	294.5	293.0	5.9
1.0	15.0	1.0	0.0	0.0	-118.3	248.2	246.7	4.1
1.0	15.0	0.0	1.0	0.0	-161.1	324.3	324.2	9.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-122.9	247.9	247.8	3.9
1.0	15.0	2.0	0.0	0.0	-143.7	298.9	297.4	15.5
1.0	15.0	1.0	0.0	0.0	-125.7	263.0	261.4	11.1
1.0	15.0	0.0	0.0	0.0	-167.7	337.5	337.4	11.6
1.0	15.0	0.0	0.0	0.0	-124.7	251.4	251.3	3.7
1.0	15.0	1.0	0.0	0.0	-84.6	180.7	179.1	2.3
1.0	15.0	1.0	0.0	0.0	-67.0	145.5	144.0	0.7
1.0	15.0	0.0	0.0	0.0	-128.4	258.9	258.8	5.5
0.6	15.0	5.0	0.0	0.0	-131.5	283.0	279.0	5.2
1.0	15.0	3.0	0.0	0.0	-125.4	262.4	260.8	7.9
1.0	15.0	1.0	0.0	0.0	-111.9	235.3	233.8	4.1
1.0	15.0	0.0	0.0	0.0	-171.8	345.8	345.7	10.1
1.0	15.0	0.0	0.0	0.0	-147.7	297.6	297.5	7.0
1.0	15.0	2.0	0.0	0.0	-181.4	374.3	372.8	12.5
1.0	15.0	2.0	0.0	0.0	-140.0	291.5	289.9	8.5
1.0	15.0	0.0	0.0	0.0	-174.8	351.6	351.5	11.7
1.0	15.0	0.0	1.0	0.0	-113.1	237.8	236.3	6.2
1.0	15.0	0.0	0.0	0.0	-63.9	129.8	129.7	0.9
1.0	15.0	1.0	0.0	0.0	-84.8	181.1	179.6	7.9
1.0	15.0	0.0	1.0	0.0	-127.4	266.3	264.7	6.6
1.0	15.0	0.0	2.0	0.0	-132.9	277.3	275.7	5.6
1.0	15.0	0.0	0.0	0.0	-83.6	169.3	169.2	1.6
1.0	15.0	2.0	0.0	0.0	-121.8	255.1	253.6	18.0
1.0	15.0	0.0	2.0	0.0	-188.3	388.1	386.6	20.3
0.9	15.0	0.0	3.0	0.0	-127.5	266.6	265.0	3.7
1.0	15.0	5.0	0.0	0.0	-164.5	340.6	339.0	11.0
1.0	15.0	4.0	0.0	0.0	-130.0	271.5	269.9	6.0
1.0	15.0	0.0	0.0	0.0	-157.2	316.4	316.3	8.3
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	5.6
0.8	15.0	2.0	0.0	0.0	-188.2	387.9	386.3	22.2
1.0	15.0	2.0	0.0	0.0	-122.8	257.1	255.6	5.7
1.0	15.0	0.0	0.0	0.0	-150.1	302.4	302.3	7.5
1.0	15.0	0.0	0.0	0.0	-142.7	287.5	287.4	6.1
1.0	15.0	4.0	0.0	0.0	-163.5	338.5	336.9	9.1
1.0	15.0	2.0	0.0	0.0	-147.3	306.1	304.5	6.5
1.0	15.0	0.0	0.0	0.0	-139.2	280.5	280.4	5.4
1.0	15.0	0.0	0.0	0.0	-137.1	276.3	276.2	5.4
1.0	15.0	2.0	0.0	0.0	-189.7	390.9	389.4	18.8
1.0	15.0	2.0	0.0	0.0	-169.5	350.6	349.1	14.8
1.0	15.0	0.0	0.0	0.0	-162.7	327.4	327.3	9.3
0.9	15.0	0.0	2.0	0.0	-124.3	260.0	258.5	4.0
1.0	15.0	4.0	0.0	0.0	-153.9	319.3	317.7	7.6
1.0	15.0	4.0	0.0	0.0	-143.9	299.3	297.8	7.4
1.0	15.0	0.0	0.0	0.0	-127.6	257.2	257.1	3.9
1.0	15.0	0.0	1.0	0.0	-129.6	270.8	269.2	3.9
0.7	15.0	3.0	0.0	0.0	-154.2	328.3	324.3	10.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-131.9	275.4	273.9	4.8
1.0	15.0	0.0	0.0	0.0	-153.8	309.7	309.6	8.6
1.0	15.0	0.0	0.0	0.0	-116.7	235.5	235.4	3.4
1.0	15.0	1.0	0.0	0.0	-133.9	279.4	277.8	6.2
1.0	15.0	1.0	0.0	0.0	-111.4	234.3	232.8	3.7
1.0	15.0	0.0	0.0	0.0	-147.4	297.0	296.9	7.0
1.0	15.0	0.0	0.0	0.0	-133.2	268.5	268.4	5.1
1.0	15.0	1.0	0.0	0.0	-144.8	301.1	299.6	5.9
1.0	15.0	1.0	0.0	0.0	-118.1	247.8	246.3	4.2
1.0	15.0	0.0	0.0	0.0	-137.5	277.1	277.0	5.9
1.0	15.0	0.0	1.0	0.0	-129.2	270.0	268.5	4.5
1.0	15.0	0.0	0.0	0.0	-104.8	211.6	211.5	2.4
1.0	15.0	2.0	0.0	0.0	-111.2	234.0	232.5	3.4
1.0	15.0	0.0	1.0	0.0	-153.3	318.1	316.6	7.1
1.0	15.0	0.0	0.0	0.0	-107.2	216.5	216.4	4.8
1.0	15.0	1.0	0.0	0.0	-118.3	248.2	246.7	4.0
1.0	15.0	1.0	0.0	0.0	-114.7	241.0	239.4	4.4
1.0	15.0	0.0	0.0	0.0	-132.4	266.9	266.8	4.5
1.0	15.0	0.0	4.0	0.0	-141.3	294.1	292.6	5.2
1.0	15.0	7.0	0.0	0.0	-173.0	357.5	355.9	11.8
0.9	15.0	8.0	0.0	0.0	-168.3	348.1	346.6	9.6
1.0	15.0	0.0	0.0	0.0	-138.3	278.6	278.5	4.6
1.0	15.0	0.0	2.0	0.0	-131.6	274.7	273.2	4.7
0.9	15.0	6.0	0.0	0.0	-173.2	357.9	356.4	11.3
1.0	15.0	6.0	0.0	0.0	-154.8	321.2	319.7	8.1
1.0	15.0	0.0	0.0	0.0	-159.9	321.8	321.7	8.3
1.0	15.0	0.0	3.0	0.0	-127.1	265.8	264.3	4.4
1.0	15.0	2.0	1.0	0.0	-157.5	334.9	330.9	8.1
1.0	15.0	3.0	0.0	0.0	-150.1	320.1	316.1	7.1
1.0	15.0	0.0	2.0	0.0	-150.0	311.6	310.0	8.1
1.0	15.0	0.0	1.0	0.0	-126.7	264.9	263.4	6.0
1.0	15.0	0.0	0.0	0.0	-89.7	181.5	181.4	3.9
1.0	15.0	1.0	0.0	0.0	-98.2	207.8	206.3	7.9
1.0	15.0	0.0	1.0	0.0	-140.6	292.8	291.2	6.0
1.0	15.0	0.0	3.0	0.0	-137.7	286.9	285.3	6.5
1.0	15.0	4.0	1.0	0.0	-117.8	255.5	251.5	3.6
1.0	15.0	4.0	0.0	0.0	-145.6	302.7	301.1	10.7
1.0	15.0	0.0	2.0	0.0	-145.3	302.1	300.6	6.9
1.0	15.0	0.0	2.0	0.0	-146.3	304.2	302.6	8.0
1.0	15.0	3.0	2.0	0.0	-180.2	380.3	376.3	21.0
1.0	15.0	3.0	1.0	0.0	-166.6	353.3	349.3	13.7
1.0	15.0	0.0	3.0	0.0	-158.5	328.6	327.0	8.6
1.0	15.0	0.0	1.0	0.0	-144.7	301.0	299.4	6.3
1.0	15.0	0.0	1.0	0.0	-109.4	230.4	228.9	2.5
1.0	15.0	1.0	0.0	0.0	-127.1	265.8	264.2	9.1
1.0	15.0	0.0	1.0	0.0	-171.6	354.8	353.3	11.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-117.4	246.3	244.7	3.0
1.0	15.0	0.0	0.0	0.0	-76.2	154.6	154.5	2.3
1.0	15.0	1.0	0.0	0.0	-87.9	187.4	185.8	4.0
1.0	15.0	2.0	2.0	0.0	-152.0	315.5	314.0	8.4
1.0	15.0	0.0	2.0	0.0	-119.6	250.7	249.1	3.8
1.0	15.0	2.0	0.0	0.0	-111.2	242.4	238.4	5.8
1.0	15.0	2.0	0.0	0.0	-109.0	229.5	227.9	8.0
1.0	15.0	0.0	2.0	0.0	-140.8	293.2	291.7	7.1
1.0	15.0	0.0	1.0	0.0	-114.0	239.5	238.0	3.3
1.0	15.0	0.0	0.0	0.0	-69.4	140.9	140.8	1.1
1.0	15.0	1.0	0.0	0.0	-69.3	150.2	148.7	1.4
1.0	15.0	0.0	3.0	0.0	-170.3	352.1	350.6	13.5
1.0	15.0	0.0	2.0	0.0	-147.6	306.7	305.2	6.7
1.0	15.0	3.0	0.0	0.0	-130.0	280.0	276.0	10.7
1.0	15.0	4.0	0.0	0.0	-172.2	355.9	354.4	19.1
1.0	15.0	0.0	2.0	0.0	-165.5	342.5	340.9	8.9
1.0	15.0	0.0	3.0	0.0	-138.9	289.3	287.8	5.6
1.0	15.0	3.0	1.0	0.0	-140.2	300.5	296.5	7.3
1.0	15.0	4.0	0.0	0.0	-157.5	326.5	324.9	9.6
1.0	15.0	0.0	2.0	0.0	-130.2	271.9	270.3	4.5
1.0	15.0	0.0	1.0	0.0	-144.8	301.1	299.6	6.4
1.0	15.0	4.0	2.0	0.0	-167.8	355.7	351.7	18.8
1.0	15.0	3.0	0.0	0.0	-146.2	312.5	308.5	7.5
1.0	15.0	0.0	2.0	0.0	-152.0	315.6	314.0	7.0
1.0	15.0	0.0	1.0	0.0	-126.8	265.1	263.5	3.9
1.0	15.0	0.0	2.0	0.0	-112.2	235.9	234.3	3.1
1.0	15.0	1.0	0.0	0.0	-122.9	257.3	255.8	10.7
1.0	15.0	0.0	2.0	0.0	-176.3	364.2	362.6	13.6
1.0	15.0	0.0	1.0	0.0	-115.0	241.5	239.9	5.1
1.0	15.0	0.0	0.0	0.0	-75.8	153.8	153.7	1.7
1.0	15.0	1.0	0.0	0.0	-93.5	198.5	197.0	11.1
1.0	15.0	0.0	1.0	0.0	-158.3	328.1	326.6	9.6
1.0	15.0	0.0	1.0	0.0	-132.2	276.0	274.4	4.7
1.0	15.0	0.0	0.0	0.0	-90.1	182.3	182.2	1.8
1.0	15.0	1.0	0.0	0.0	-102.1	215.8	214.3	18.9
1.0	15.0	0.0	2.0	0.0	-154.8	321.1	319.6	7.9
1.0	15.0	0.0	2.0	0.0	-115.7	243.0	241.4	3.0
1.0	15.0	0.0	0.0	0.0	-68.6	139.4	139.3	1.1
1.0	15.0	1.0	0.0	0.0	-68.0	147.6	146.1	1.9
1.0	15.0	0.0	1.0	0.0	-152.2	315.9	314.4	10.0
1.0	15.0	0.0	2.0	0.0	-146.6	304.8	303.3	6.5
1.0	15.0	2.0	0.0	0.0	-145.3	310.5	306.5	8.6
1.0	15.0	3.0	0.0	0.0	-169.8	351.1	349.6	20.3
1.0	15.0	1.0	1.0	0.0	-169.8	351.2	349.6	9.7
1.0	15.0	0.0	0.0	0.0	-128.6	259.2	259.1	3.9
1.0	15.0	2.0	0.0	0.0	-149.5	310.5	309.0	11.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-128.0	267.6	266.1	7.8
1.0	15.0	0.0	0.0	0.0	-149.9	301.9	301.8	6.6
1.0	15.0	0.0	1.0	0.0	-120.4	252.4	250.9	4.8
1.0	15.0	0.0	0.0	0.0	-77.7	157.5	157.4	1.6
1.0	15.0	1.0	0.0	0.0	-92.4	196.3	194.8	11.3
1.0	15.0	0.0	1.0	0.0	-143.1	297.8	296.3	5.5
1.0	15.0	0.0	1.0	0.0	-143.7	298.9	297.3	6.7
1.0	15.0	2.0	0.0	0.0	-139.2	298.3	294.3	5.1
0.8	15.0	3.0	0.0	0.0	-133.2	278.0	276.5	4.8
1.0	15.0	0.0	0.0	0.0	-130.6	263.3	263.2	5.0
1.0	15.0	0.0	2.0	0.0	-119.2	249.9	248.3	4.0
0.7	15.0	4.0	0.0	0.0	-163.8	347.7	343.6	10.8
1.0	15.0	3.0	0.0	0.0	-159.3	330.2	328.6	10.1
1.0	15.0	0.0	0.0	0.0	-168.5	339.1	339.0	11.5
1.0	15.0	0.0	0.0	0.0	-130.6	263.3	263.2	6.6
1.0	15.0	2.0	0.0	0.0	-167.4	354.8	350.8	17.4
1.0	15.0	2.0	0.0	0.0	-140.0	300.0	296.0	6.7
1.0	15.0	0.0	1.0	0.0	-152.7	307.4	307.3	17.3
1.0	15.0	0.0	2.0	0.0	-140.1	291.7	290.2	5.4
1.0	15.0	0.0	0.0	0.0	-103.0	208.0	207.9	2.8
1.0	15.0	2.0	0.0	0.0	-105.6	222.7	221.2	2.3
1.0	15.0	0.0	3.0	0.0	-164.1	339.8	338.3	9.1
1.0	15.0	0.0	3.0	0.0	-120.4	252.3	250.8	3.5
1.0	15.0	3.0	0.0	0.0	-122.1	264.2	260.2	4.2
0.7	15.0	3.0	0.0	0.0	-131.4	282.9	278.9	9.2
1.0	15.0	0.0	0.0	0.0	-141.0	284.2	284.1	5.6
1.0	15.0	0.0	2.0	0.0	-120.2	251.9	250.4	3.5
1.0	15.0	2.0	0.0	0.0	-151.7	314.9	313.4	8.0
1.0	15.0	2.0	0.0	0.0	-157.8	327.1	325.6	8.6
1.0	15.0	0.0	0.0	0.0	-142.1	286.3	286.2	5.9
1.0	15.0	0.0	1.0	0.0	-126.1	263.8	262.3	3.7
1.0	15.0	0.0	0.0	0.0	-95.7	193.4	193.3	2.0
1.0	15.0	1.0	0.0	0.0	-118.8	249.2	247.6	9.4
1.0	15.0	0.0	1.0	0.0	-137.3	286.1	284.5	5.0
1.0	15.0	0.0	4.0	0.0	-111.6	234.7	233.1	2.8
1.0	15.0	1.0	3.0	0.0	-134.8	281.2	279.7	5.5
1.0	15.0	3.0	0.0	0.0	-144.3	300.2	298.7	9.9
0.9	15.0	0.0	3.0	0.0	-142.4	296.4	294.8	5.6
1.0	15.0	0.0	3.0	0.0	-141.7	294.9	293.3	6.2
1.0	15.0	1.0	3.0	0.0	-184.3	388.6	384.5	25.0
0.6	15.0	1.0	3.0	0.0	-153.7	327.4	323.3	11.1
1.0	15.0	0.0	3.0	0.0	-137.9	287.3	285.8	4.7
0.9	15.0	0.0	2.0	0.0	-135.1	281.7	280.1	5.1
1.0	15.0	0.0	1.0	0.0	-108.8	229.2	227.7	2.5
0.9	15.0	2.0	0.0	0.0	-109.9	239.9	235.9	2.9
1.0	15.0	0.0	3.0	0.0	-174.1	359.8	358.3	15.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-128.1	267.8	266.3	9.2
0.9	15.0	0.0	2.0	0.0	-81.6	174.8	173.3	2.2
0.8	15.0	3.0	0.0	0.0	-104.4	228.7	224.7	10.9
1.0	15.0	0.0	3.0	0.0	-120.6	252.8	251.3	9.8
1.0	15.0	0.0	3.0	0.0	-131.4	274.3	272.7	5.2
1.0	15.0	2.0	0.0	0.0	-124.0	267.9	263.9	5.2
0.8	15.0	5.0	0.0	0.0	-146.9	305.3	303.7	11.1
1.0	15.0	0.0	2.0	0.0	-168.4	348.4	346.9	17.1
1.0	15.0	0.0	3.0	0.0	-131.8	275.2	273.7	6.7
1.0	15.0	0.0	0.0	0.0	-80.9	163.9	163.8	2.0
1.0	15.0	2.0	0.0	0.0	-71.3	154.1	152.5	1.7
1.0	15.0	0.0	2.0	0.0	-167.5	346.5	345.0	14.9
1.0	15.0	0.0	2.0	0.0	-118.5	248.5	247.0	3.7
1.0	15.0	2.0	2.0	0.0	-106.4	232.9	228.9	2.7
1.0	15.0	3.0	0.0	0.0	-121.5	254.6	253.1	5.5
1.0	15.0	0.0	2.0	0.0	-152.8	317.1	315.6	7.1
1.0	15.0	0.0	0.0	0.0	-165.5	333.1	333.0	9.5
1.0	15.0	1.0	0.0	0.0	-186.7	384.9	383.3	14.8
1.0	15.0	1.0	0.0	0.0	-131.0	273.6	272.0	5.2
1.0	15.0	0.0	0.0	0.0	-156.1	314.3	314.2	9.0
1.0	15.0	0.0	6.0	0.0	-113.4	246.9	242.9	2.9
1.0	15.0	5.0	0.0	0.0	-171.7	354.9	353.4	14.2
1.0	15.0	6.0	0.0	0.0	-130.5	272.5	270.9	5.2
1.0	15.0	0.0	0.0	0.0	-151.6	305.3	305.2	6.8
0.6	15.0	0.0	4.0	0.0	-277.2	572.2	570.4	5.9
1.0	15.0	6.0	0.0	0.0	-355.6	721.8	721.1	17.4
0.9	15.0	6.0	0.0	0.0	-312.3	635.4	634.7	15.7
1.0	15.0	0.0	0.0	0.0	-327.8	657.6	657.5	10.9
1.0	15.0	0.0	1.0	0.0	-119.9	251.4	249.8	3.4
1.0	15.0	0.0	0.0	0.0	-121.3	244.6	244.5	4.3
1.0	15.0	1.0	0.0	0.0	-108.1	227.8	226.2	10.8
1.0	15.0	0.0	2.0	0.0	-137.2	286.0	284.5	5.0
1.0	15.0	0.0	2.0	0.0	-155.7	322.9	321.3	8.8
0.5	15.0	1.0	6.0	0.0	-194.9	409.8	405.8	26.4
0.9	15.0	0.0	3.0	0.0	-155.7	322.8	321.3	11.3
1.0	15.0	0.0	4.0	0.0	-169.9	351.3	349.7	11.7
1.0	15.0	2.0	1.0	0.0	-133.0	286.1	282.1	5.8
0.6	15.0	1.0	0.0	0.0	-112.7	236.9	235.3	3.2
0.9	15.0	1.0	1.0	0.0	-125.6	262.8	261.3	6.1
1.0	15.0	0.0	0.0	0.0	-167.8	337.7	337.6	10.1
1.0	15.0	0.0	3.0	0.0	-134.0	279.6	278.1	4.7
1.0	15.0	0.0	0.0	0.0	-130.6	263.2	263.2	4.2
1.0	15.0	2.0	0.0	0.0	-127.1	265.8	264.2	8.0
1.0	15.0	0.0	3.0	0.0	-152.2	316.0	314.5	7.0
0.9	15.0	0.0	7.0	0.0	-157.1	325.8	324.2	8.5
1.0	15.0	2.0	5.0	0.0	-152.3	324.6	320.6	8.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	6.0	0.0	0.0	-175.4	370.9	366.9	17.6
1.0	15.0	0.0	5.0	0.0	-150.0	311.6	310.1	6.9
1.0	15.0	0.0	6.0	0.0	-160.7	333.0	331.5	9.5
1.0	15.0	0.0	0.0	0.0	-128.5	259.0	258.9	4.9
1.0	15.0	6.0	0.0	0.0	-155.9	323.4	321.9	10.0
1.0	15.0	0.0	6.0	0.0	-162.7	337.0	335.5	9.9
1.0	15.0	0.0	6.0	0.0	-129.3	270.1	268.6	5.4
1.0	15.0	2.0	1.0	0.0	-89.5	199.0	195.0	2.7
0.8	15.0	4.0	0.0	0.0	-142.2	296.0	294.4	12.5
1.0	15.0	0.0	5.0	0.0	-150.8	313.2	311.7	10.4
1.0	15.0	0.0	6.0	0.0	-133.1	277.8	276.2	5.2
1.0	15.0	6.0	0.0	0.0	-127.0	273.9	269.9	7.3
0.6	15.0	7.0	0.0	0.0	-168.5	357.1	353.1	16.0
1.0	15.0	0.0	6.0	0.0	-144.5	300.6	299.0	7.7
0.9	15.0	0.0	6.0	0.0	-157.8	327.1	325.6	10.8
1.0	15.0	0.0	0.0	0.0	-104.3	210.7	210.6	2.2
1.0	15.0	6.0	0.0	0.0	-91.5	194.4	192.9	5.3
1.0	15.0	0.0	6.0	0.0	-140.3	292.1	290.6	7.6
1.0	15.0	0.0	5.0	0.0	-139.5	290.5	289.0	6.7
0.7	15.0	1.0	5.0	0.0	-117.2	254.3	250.3	3.9
1.0	15.0	5.0	0.0	0.0	-148.3	316.5	312.5	16.6
1.0	15.0	0.0	5.0	0.0	-159.0	329.5	328.0	9.5
1.0	15.0	0.0	3.0	0.0	-125.8	263.2	261.7	5.1
1.0	15.0	4.0	0.0	0.0	-173.6	358.8	357.2	11.5
1.0	15.0	5.0	0.0	0.0	-140.6	292.7	291.1	6.1
1.0	15.0	0.0	0.0	0.0	-165.9	334.0	333.9	9.0
1.0	15.0	0.0	0.0	0.0	-127.6	257.2	257.1	5.8
1.0	15.0	3.0	0.0	0.0	-171.9	355.4	353.8	92.7
1.0	15.0	2.0	0.0	0.0	-131.9	275.5	273.9	29.7
1.0	15.0	0.0	0.0	0.0	-142.5	287.0	286.9	5.3
0.9	15.0	0.0	3.0	0.0	-121.1	253.8	252.2	3.6
0.7	15.0	5.0	0.0	0.0	-166.4	352.7	348.7	10.5
0.9	15.0	5.0	0.0	0.0	-132.8	277.2	275.7	6.7
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	4.7
1.0	15.0	0.0	4.0	0.0	-110.8	233.2	231.6	2.4
0.6	15.0	6.0	0.0	0.0	-134.6	289.2	285.2	4.8
0.9	15.0	5.0	0.0	0.0	-124.9	269.7	265.7	4.8
1.0	15.0	0.0	0.0	0.0	-166.6	335.4	335.3	11.2
1.0	15.0	0.0	2.0	0.0	-136.2	284.0	282.4	5.3
0.9	15.0	4.0	0.0	0.0	-154.0	319.5	318.0	6.9
1.0	15.0	3.0	0.0	0.0	-158.4	328.3	326.8	7.8
1.0	15.0	0.0	0.0	0.0	-124.6	251.3	251.2	4.0
1.0	15.0	0.0	0.0	0.0	-124.1	250.4	250.3	4.1
1.0	15.0	1.0	0.0	0.0	-156.4	324.3	322.7	9.7
1.0	15.0	1.0	0.0	0.0	-133.1	277.8	276.2	5.8
1.0	15.0	0.0	0.0	0.0	-153.9	310.0	309.9	7.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-127.2	256.4	256.3	3.6
1.0	15.0	3.0	0.0	0.0	-147.6	306.9	305.3	8.2
1.0	15.0	2.0	0.0	0.0	-146.7	305.0	303.5	6.9
1.0	15.0	0.0	0.0	0.0	-165.0	332.0	331.9	9.5
1.0	15.0	0.0	0.0	0.0	-112.4	226.9	226.8	3.0
1.0	15.0	1.0	0.0	0.0	-156.6	324.7	323.1	7.2
1.0	15.0	1.0	0.0	0.0	-117.0	245.6	244.0	3.5
1.0	15.0	0.0	0.0	0.0	-164.0	330.1	330.0	9.0
1.0	15.0	0.0	0.0	0.0	-129.4	260.9	260.8	4.5
1.0	15.0	1.0	0.0	0.0	-146.4	304.4	302.9	9.9
1.0	15.0	2.0	0.0	0.0	-119.0	249.6	248.0	3.6
1.0	15.0	0.0	0.0	0.0	-172.7	347.6	347.5	11.1
1.0	15.0	0.0	3.0	0.0	-120.1	251.7	250.2	3.4
0.9	15.0	4.0	0.0	0.0	-167.6	346.8	345.3	11.0
1.0	15.0	4.0	0.0	0.0	-168.9	349.2	347.7	14.5
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.2	4.6
1.0	15.0	0.0	0.0	0.0	-151.1	304.3	304.2	6.8
1.0	15.0	3.0	0.0	0.0	-122.8	265.5	261.5	6.2
1.0	15.0	2.0	0.0	0.0	-117.6	255.2	251.2	4.1
1.0	15.0	0.0	0.0	0.0	-157.9	317.9	317.8	7.8
1.0	15.0	0.0	2.0	0.0	-104.5	220.6	219.0	2.7
1.0	15.0	2.0	0.0	0.0	-160.6	332.7	331.1	8.3
1.0	15.0	3.0	0.0	0.0	-118.9	249.4	247.9	3.8
1.0	15.0	0.0	0.0	0.0	-117.1	236.2	236.1	3.4
1.0	15.0	0.0	0.0	0.0	-141.0	284.0	283.9	5.1
1.0	15.0	1.0	0.0	0.0	-159.1	329.7	328.1	10.6
1.0	15.0	2.0	0.0	0.0	-134.1	279.7	278.2	6.5
1.0	15.0	0.0	0.0	0.0	-160.1	322.3	322.2	8.9
1.0	15.0	0.0	1.0	0.0	-137.3	286.1	284.6	6.6
1.0	15.0	0.0	0.0	0.0	-96.7	195.5	195.5	7.7
0.7	15.0	2.0	0.0	0.0	-114.1	239.8	238.2	6.8
1.0	15.0	0.0	0.0	0.0	-166.0	334.0	333.9	9.3
1.0	15.0	0.0	3.0	0.0	-127.4	266.4	264.9	4.7
1.0	15.0	0.0	0.0	0.0	-119.1	240.3	240.2	3.5
1.0	15.0	1.0	0.0	0.0	-110.5	232.5	231.0	5.7
1.0	15.0	0.0	0.0	0.0	-163.8	329.6	329.5	8.7
1.0	15.0	0.0	4.0	0.0	-135.5	282.5	281.0	5.2
1.0	15.0	2.0	0.0	0.0	-151.3	314.2	312.6	8.9
1.0	15.0	1.0	0.0	0.0	-128.8	269.2	267.7	5.8
1.0	15.0	0.0	0.0	0.0	-149.1	300.2	300.1	7.0
1.0	15.0	0.0	0.0	0.0	-131.1	264.4	264.3	4.1
1.0	15.0	2.0	0.0	0.0	-147.6	306.7	305.2	7.2
0.9	15.0	2.0	0.0	0.0	-146.3	304.2	302.6	6.7
1.0	15.0	0.0	0.0	0.0	-133.0	268.1	268.0	4.7
1.0	15.0	0.0	0.0	0.0	-139.3	280.8	280.7	5.0
1.0	15.0	4.0	0.0	0.0	-150.8	313.2	311.7	20.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-139.0	289.6	288.0	6.0
1.0	15.0	0.0	0.0	0.0	-159.8	321.8	321.7	8.9
1.0	15.0	0.0	0.0	0.0	-105.7	213.4	213.3	2.7
1.0	15.0	1.0	0.0	0.0	-93.9	199.4	197.8	2.5
1.0	15.0	2.0	0.0	0.0	-84.2	179.8	178.3	2.6
1.0	15.0	0.0	0.0	0.0	-130.7	263.5	263.4	4.3
1.0	15.0	0.0	0.0	0.0	-119.0	240.1	240.0	3.3
1.0	15.0	2.0	0.0	0.0	-111.6	234.8	233.3	4.1
1.0	15.0	3.0	0.0	0.0	-114.8	241.2	239.7	4.3
1.0	15.0	0.0	0.0	0.0	-157.4	317.0	316.9	8.4
1.0	15.0	0.0	0.0	0.0	-136.0	274.0	273.9	5.1
1.0	15.0	1.0	0.0	0.0	-105.5	222.5	220.9	6.1
1.0	15.0	1.0	0.0	0.0	-78.4	168.3	166.8	2.1
1.0	15.0	0.0	0.0	0.0	-127.3	256.8	256.7	5.2
1.0	15.0	0.0	0.0	0.0	-116.3	234.7	234.6	3.2
1.0	15.0	1.0	0.0	0.0	-120.0	251.5	249.9	3.8
1.0	15.0	1.0	0.0	0.0	-105.9	223.4	221.9	2.0
1.0	15.0	0.0	0.0	0.0	-147.1	296.2	296.1	5.8
0.9	15.0	0.0	1.0	0.0	-138.9	289.3	287.8	5.9
1.0	15.0	0.0	0.0	0.0	-146.2	294.4	294.4	6.9
0.9	15.0	1.0	0.0	0.0	-126.4	264.3	262.8	8.0
1.0	15.0	0.0	1.0	0.0	-158.1	327.8	326.2	8.2
1.0	15.0	0.0	1.0	0.0	-116.6	244.7	243.1	4.4
0.8	15.0	2.0	0.0	0.0	-97.5	215.0	211.0	4.0
0.9	15.0	2.0	0.0	0.0	-112.9	237.4	235.8	8.3
1.0	15.0	0.0	2.0	0.0	-168.3	348.2	346.7	12.6
1.0	15.0	0.0	2.0	0.0	-119.9	251.4	249.9	3.4
1.0	15.0	3.0	0.0	0.0	-151.9	315.4	313.9	10.2
1.0	15.0	3.0	0.0	0.0	-135.9	283.3	281.8	5.3
1.0	15.0	0.0	0.0	0.0	-154.7	311.5	311.4	7.5
1.0	15.0	0.0	0.0	0.0	-128.5	259.0	258.9	4.8
0.9	15.0	2.0	0.0	0.0	-176.6	364.8	363.3	13.1
1.0	15.0	2.0	0.0	0.0	-116.7	245.0	243.5	4.4
1.0	15.0	0.0	0.0	0.0	-188.8	379.7	379.6	15.7
1.0	15.0	0.0	0.0	0.0	-118.7	239.6	239.5	3.3
1.0	15.0	2.0	0.0	0.0	-109.6	230.7	229.2	2.8
1.0	15.0	1.0	0.0	0.0	-110.5	232.5	231.0	2.6
1.0	15.0	0.0	0.0	0.0	-146.4	294.9	294.8	6.1
0.6	15.0	0.0	2.0	0.0	-139.7	291.0	289.4	5.3
1.0	15.0	1.0	0.0	0.0	-150.1	311.7	310.2	7.3
1.0	15.0	1.0	0.0	0.0	-145.9	303.3	301.7	7.1
1.0	15.0	0.0	0.0	0.0	-123.6	249.4	249.3	3.9
1.0	15.0	0.0	2.0	0.0	-126.6	264.8	263.2	3.8
1.0	15.0	1.0	0.0	0.0	-169.1	349.8	348.2	10.9
1.0	15.0	3.0	0.0	0.0	-150.4	312.5	310.9	9.1
1.0	15.0	0.0	0.0	0.0	-139.9	282.0	281.9	5.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-137.7	277.5	277.4	5.3
0.9	15.0	2.0	0.0	0.0	-159.5	330.5	329.0	9.4
1.0	15.0	2.0	0.0	0.0	-123.9	259.4	257.8	5.5
1.0	15.0	0.0	0.0	0.0	-161.7	325.6	325.5	8.8
1.0	15.0	0.0	0.0	0.0	-139.9	281.9	281.8	5.4
1.0	15.0	2.0	0.0	0.0	-148.1	307.7	306.1	9.1
1.0	15.0	2.0	0.0	0.0	-123.2	257.9	256.3	4.1
1.0	15.0	0.0	0.0	0.0	-148.8	299.7	299.6	6.5
1.0	15.0	0.0	1.0	0.0	-129.7	271.0	269.5	4.5
1.0	15.0	0.0	0.0	0.0	-72.2	146.5	146.4	1.5
0.5	15.0	1.0	0.0	0.0	-99.1	209.7	208.2	2.2
1.0	15.0	0.0	0.0	0.0	-158.3	318.7	318.6	7.8
1.0	15.0	0.0	0.0	0.0	-110.8	223.7	223.6	3.7
1.0	15.0	1.0	0.0	0.0	-169.5	350.6	349.1	11.2
1.0	15.0	1.0	0.0	0.0	-134.0	279.5	278.0	7.3
1.0	15.0	0.0	0.0	0.0	-156.5	315.2	315.1	9.1
1.0	15.0	0.0	2.0	0.0	-129.8	271.1	269.6	4.2
1.0	15.0	2.0	2.0	0.0	-129.1	278.3	274.3	4.7
1.0	15.0	0.0	0.0	0.0	-137.5	277.0	276.9	6.0
1.0	15.0	1.0	0.0	0.0	-152.2	306.5	306.4	10.1
1.0	15.0	0.0	2.0	0.0	-112.5	236.5	234.9	5.0
1.0	15.0	0.0	0.0	0.0	-64.8	131.8	131.7	1.0
1.0	15.0	1.0	0.0	0.0	-78.1	167.7	166.2	3.3
1.0	15.0	1.0	1.0	0.0	-170.1	351.7	350.2	31.7
1.0	15.0	0.0	2.0	0.0	-127.5	266.6	265.1	6.0
0.6	15.0	2.0	1.0	0.0	-173.2	366.3	362.3	19.2
1.0	15.0	2.0	1.0	0.0	-144.1	308.2	304.2	14.0
1.0	15.0	0.0	1.0	0.0	-177.2	365.9	364.3	13.1
1.0	15.0	0.0	1.0	0.0	-132.4	276.4	274.9	4.6
1.0	15.0	0.0	0.0	0.0	-75.2	152.4	152.3	1.6
1.0	15.0	1.0	0.0	0.0	-69.6	150.8	149.2	1.2
1.0	15.0	0.0	1.0	0.0	-129.6	270.8	269.2	5.9
1.0	15.0	0.0	2.0	0.0	-137.6	286.8	285.3	8.5
1.0	15.0	0.0	0.0	0.0	-92.2	186.5	186.5	5.5
1.0	15.0	2.0	0.0	0.0	-129.0	269.6	268.0	9.8
1.0	15.0	0.0	2.0	0.0	-182.4	376.3	374.7	13.4
1.0	15.0	0.0	3.0	0.0	-146.9	305.3	303.7	6.5
1.0	15.0	4.0	0.0	0.0	-174.2	368.4	364.4	16.4
1.0	15.0	4.0	0.0	0.0	-168.9	349.3	347.8	15.8
1.0	15.0	0.0	0.0	0.0	-174.0	350.0	349.9	11.0
1.0	15.0	0.0	1.0	0.0	-119.5	250.6	249.1	3.8
1.0	15.0	2.0	1.0	0.0	-154.2	328.3	324.3	15.7
1.0	15.0	2.0	0.0	0.0	-153.6	318.7	317.1	10.2
1.0	15.0	0.0	0.0	0.0	-169.2	340.5	340.4	9.6
1.0	15.0	0.0	0.0	0.0	-145.1	292.3	292.2	6.7
1.0	15.0	1.0	0.0	0.0	-185.5	391.0	387.0	38.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-162.8	327.6	327.5	15.2
1.0	15.0	0.0	1.0	0.0	-159.7	330.9	329.3	13.2
1.0	15.0	0.0	1.0	0.0	-131.9	275.4	273.9	4.4
1.0	15.0	0.0	0.0	0.0	-89.1	180.3	180.2	2.9
1.0	15.0	2.0	0.0	0.0	-98.1	207.8	206.3	4.0
1.0	15.0	0.0	2.0	0.0	-150.8	313.1	311.6	6.8
1.0	15.0	0.0	0.0	0.0	-168.3	338.6	338.5	11.0
1.0	15.0	1.0	0.0	0.0	-194.9	391.8	391.7	23.0
1.0	15.0	2.0	0.0	0.0	-118.2	247.9	246.4	6.5
1.0	15.0	0.0	0.0	0.0	-171.8	345.8	345.7	13.2
1.0	15.0	0.0	2.0	0.0	-123.2	257.9	256.4	4.0
0.8	15.0	2.0	0.0	0.0	-173.9	359.3	357.8	15.6
1.0	15.0	3.0	0.0	0.0	-148.2	307.9	306.4	11.2
1.0	15.0	0.0	0.0	0.0	-128.9	259.8	259.7	4.8
1.0	15.0	0.0	2.0	0.0	-127.1	265.7	264.1	4.1
0.6	15.0	3.0	0.0	0.0	-141.1	302.1	298.1	6.6
1.0	15.0	3.0	0.0	0.0	-128.2	267.9	266.3	6.3
1.0	15.0	0.0	0.0	0.0	-132.2	266.5	266.4	5.0
1.0	15.0	0.0	1.0	0.0	-133.4	278.4	276.8	4.4
1.0	15.0	0.0	0.0	0.0	-98.2	198.6	198.5	3.1
1.0	15.0	1.0	0.0	0.0	-86.6	184.8	183.3	1.9
1.0	15.0	0.0	1.0	0.0	-176.4	354.9	354.8	11.2
1.0	15.0	0.0	4.0	0.0	-120.5	252.6	251.1	3.7
1.0	15.0	1.0	0.0	0.0	-112.2	244.4	240.4	4.0
1.0	15.0	4.0	0.0	0.0	-104.1	219.7	218.2	2.5
1.0	15.0	0.0	1.0	0.0	-181.9	365.9	365.8	15.0
1.0	15.0	0.0	0.0	0.0	-121.9	245.9	245.8	3.6
1.0	15.0	3.0	0.0	0.0	-151.7	314.9	313.3	9.0
1.0	15.0	1.0	0.0	0.0	-123.6	258.7	257.1	4.7
1.0	15.0	0.0	0.0	0.0	-144.1	290.4	290.3	6.0
1.0	15.0	0.0	0.0	0.0	-102.2	206.5	206.4	2.4
1.0	15.0	3.0	0.0	0.0	-162.9	337.3	335.8	9.9
1.0	15.0	1.0	0.0	0.0	-133.6	278.7	277.2	5.6
1.0	15.0	0.0	0.0	0.0	-157.4	316.8	316.7	9.3
1.0	15.0	0.0	4.0	0.0	-120.1	251.8	250.3	3.3
1.0	15.0	5.0	0.0	0.0	-157.0	325.5	324.0	9.3
1.0	15.0	5.0	0.0	0.0	-127.1	265.7	264.2	5.4
1.0	15.0	0.0	0.0	0.0	-153.4	308.9	308.8	6.8
1.0	15.0	0.0	3.0	0.0	-128.0	267.5	266.0	5.1
0.7	15.0	1.0	1.0	0.0	-148.6	308.8	307.2	7.0
1.0	15.0	3.0	0.0	0.0	-136.3	284.1	282.5	4.7
1.0	15.0	0.0	1.0	0.0	-138.8	289.1	287.6	8.6
1.0	15.0	0.0	1.0	0.0	-135.1	281.7	280.1	4.5
1.0	15.0	3.0	1.0	0.0	-170.1	360.1	356.1	17.5
1.0	15.0	3.0	1.0	0.0	-148.9	317.9	313.9	10.8
1.0	15.0	0.0	1.0	0.0	-153.0	317.5	315.9	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	5.7
1.0	15.0	2.0	0.0	0.0	-158.1	327.7	326.1	12.7
1.0	15.0	2.0	0.0	0.0	-136.1	283.8	282.3	13.1
1.0	15.0	0.0	0.0	0.0	-145.1	292.2	292.1	6.1
1.0	15.0	0.0	2.0	0.0	-256.7	524.1	523.4	4.2
1.0	15.0	2.0	1.0	0.0	-275.6	568.9	567.1	5.4
1.0	15.0	2.0	0.0	0.0	-285.0	580.6	579.9	7.9
1.0	15.0	0.0	2.0	0.0	-273.1	556.9	556.2	5.1
1.0	15.0	0.0	1.0	0.0	-306.2	623.1	622.4	9.8
1.0	15.0	2.0	1.0	0.0	-359.4	736.5	734.7	30.1
1.0	15.0	2.0	0.0	0.0	-291.9	601.7	599.9	8.7
1.0	15.0	0.0	1.0	0.0	-312.3	635.2	634.5	15.7
1.0	15.0	0.0	1.0	0.0	-278.0	566.7	566.0	8.2
1.0	15.0	0.0	0.0	0.0	-252.3	506.6	506.5	5.2
1.0	15.0	1.0	0.0	0.0	-235.1	480.9	480.2	20.9
1.0	15.0	0.0	1.0	0.0	-334.4	679.5	678.7	10.9
1.0	15.0	0.0	1.0	0.0	-221.3	453.2	452.5	2.9
1.0	15.0	0.0	0.0	0.0	-138.5	279.0	279.0	1.2
1.0	15.0	1.0	0.0	0.0	-173.3	357.2	356.5	8.7
1.0	15.0	0.0	2.0	0.0	-262.3	535.3	534.6	4.5
1.0	15.0	0.0	1.0	0.0	-272.1	555.0	554.3	5.0
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	1.0
1.0	15.0	1.0	0.0	0.0	-141.6	293.9	293.2	2.2
1.0	15.0	0.0	1.0	0.0	-298.6	608.0	607.3	7.4
1.0	15.0	0.0	1.0	0.0	-278.4	567.6	566.9	7.0
1.0	15.0	0.0	0.0	0.0	-212.0	426.0	425.9	2.6
1.0	15.0	1.0	0.0	0.0	-256.9	524.5	523.8	24.3
1.0	15.0	0.0	1.0	0.0	-301.7	614.2	613.4	7.3
1.0	15.0	0.0	0.0	0.0	-142.6	287.3	287.2	8.8
0.5	15.0	1.0	0.0	0.0	-193.4	398.4	396.9	94.0
1.0	15.0	1.0	0.0	0.0	-168.2	348.1	346.5	29.9
1.0	15.0	0.0	1.0	0.0	-169.2	349.9	348.3	9.6
1.0	15.0	0.0	2.0	0.0	-130.1	271.7	270.1	11.9
1.0	15.0	0.0	0.0	0.0	-82.1	166.4	166.3	2.1
1.0	15.0	2.0	0.0	0.0	-109.4	230.3	228.8	9.8
1.0	15.0	0.0	2.0	0.0	-155.6	322.8	321.2	12.6
1.0	15.0	0.0	2.0	0.0	-139.1	289.6	288.1	10.3
1.0	15.0	0.0	0.0	0.0	-96.8	195.8	195.7	2.2
1.0	15.0	2.0	0.0	0.0	-134.4	280.3	278.7	9.7
1.0	15.0	0.0	3.0	0.0	-184.9	381.4	379.9	14.1
1.0	15.0	0.0	2.0	0.0	-120.2	251.8	250.3	3.6
0.6	15.0	2.0	0.0	0.0	-121.8	263.6	259.6	10.8
1.0	15.0	3.0	0.0	0.0	-111.6	234.8	233.3	6.4
1.0	15.0	0.0	0.0	0.0	-150.1	302.2	302.1	7.1
1.0	15.0	0.0	2.0	0.0	-125.2	262.0	260.4	4.9
1.0	15.0	4.0	0.0	0.0	-162.4	336.4	334.9	9.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-124.3	260.2	258.6	4.1
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	5.9
1.0	15.0	0.0	1.0	0.0	-130.9	273.4	271.9	4.7
0.5	15.0	2.0	1.0	0.0	-149.5	318.9	314.9	10.5
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	7.5
1.0	15.0	0.0	1.0	0.0	-141.7	295.0	293.4	6.0
1.0	15.0	0.0	1.0	0.0	-147.9	307.2	305.7	6.3
1.0	15.0	0.0	0.0	0.0	-75.0	152.0	151.9	1.7
1.0	15.0	1.0	0.0	0.0	-108.6	228.7	227.2	6.5
1.0	15.0	0.0	2.0	0.0	-175.2	361.9	360.4	11.8
1.0	15.0	0.0	1.0	0.0	-131.0	273.6	272.1	5.0
1.0	15.0	0.0	0.0	0.0	-94.2	190.4	190.4	2.7
0.9	15.0	1.0	0.0	0.0	-110.7	233.0	231.5	7.6
1.0	15.0	0.0	1.0	0.0	-135.5	282.5	281.0	5.1
1.0	15.0	0.0	0.0	0.0	-126.9	255.9	255.8	4.1
1.0	15.0	2.0	0.0	0.0	-155.2	321.9	320.4	8.5
1.0	15.0	2.0	0.0	0.0	-128.5	268.6	267.0	4.9
1.0	15.0	0.0	0.0	0.0	-156.2	314.4	314.4	8.0
1.0	15.0	0.0	0.0	0.0	-129.8	261.8	261.7	4.5
1.0	15.0	4.0	0.0	0.0	-146.2	312.4	308.4	6.6
0.6	15.0	3.0	0.0	0.0	-139.2	298.3	294.3	6.7
1.0	15.0	0.0	0.0	0.0	-138.0	278.1	278.0	5.7
1.0	15.0	0.0	2.0	0.0	-122.5	256.5	254.9	3.5
1.0	15.0	0.0	0.0	0.0	-109.3	220.8	220.7	2.5
1.0	15.0	4.0	0.0	0.0	-106.3	224.2	222.6	2.0
1.0	15.0	0.0	0.0	0.0	-161.6	325.3	325.2	8.3
1.0	15.0	0.0	3.0	0.0	-125.4	270.7	266.7	4.7
1.0	15.0	3.0	0.0	0.0	-188.0	395.9	391.9	23.6
1.0	15.0	3.0	0.0	0.0	-151.6	323.2	319.2	14.7
1.0	15.0	0.0	0.0	0.0	-135.1	272.4	272.2	9.1
1.0	15.0	0.0	1.0	0.0	-139.5	290.5	288.9	5.5
1.0	15.0	0.0	1.0	0.0	-154.1	319.8	318.3	7.5
1.0	15.0	1.0	0.0	0.0	-160.4	332.4	330.9	9.0
1.0	15.0	0.0	2.0	0.0	-133.5	278.5	277.0	5.7
1.0	15.0	0.0	1.0	0.0	-132.8	277.2	275.6	4.9
1.0	15.0	2.0	2.0	0.0	-182.9	385.8	381.8	24.7
1.0	15.0	2.0	0.0	0.0	-149.1	318.2	314.2	12.5
1.0	15.0	0.0	2.0	0.0	-151.0	313.4	311.9	7.2
1.0	15.0	0.0	2.0	0.0	-108.6	228.8	227.3	3.4
1.0	15.0	0.0	0.0	0.0	-68.4	139.0	138.9	1.3
1.0	15.0	1.0	0.0	0.0	-86.6	184.7	183.1	7.2
1.0	15.0	0.0	1.0	0.0	-142.2	295.9	294.3	7.4
1.0	15.0	0.0	1.0	0.0	-116.6	244.6	243.1	4.0
1.0	15.0	0.0	0.0	0.0	-85.8	173.6	173.5	45.1
0.6	15.0	1.0	0.0	0.0	-98.1	207.8	206.2	27.2
1.0	15.0	0.0	2.0	0.0	-169.5	350.5	349.0	11.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-143.6	298.8	297.3	6.1
1.0	15.0	0.0	0.0	0.0	-69.8	141.7	141.6	2.0
0.5	15.0	1.0	0.0	0.0	-69.7	150.8	149.3	1.5
1.0	15.0	0.0	1.0	0.0	-149.6	310.8	309.3	10.7
1.0	15.0	0.0	2.0	0.0	-132.4	276.4	274.9	4.1
0.8	15.0	3.0	1.0	0.0	-123.0	257.6	256.0	3.8
1.0	15.0	2.0	0.0	0.0	-124.8	261.2	259.7	6.0
1.0	15.0	0.0	2.0	0.0	-167.4	346.4	344.8	10.3
1.0	15.0	0.0	2.0	0.0	-110.7	233.0	231.5	3.1
1.0	15.0	1.0	0.0	0.0	-140.1	291.8	290.2	5.5
1.0	15.0	2.0	0.0	0.0	-138.5	288.4	286.9	6.0
1.0	15.0	0.0	0.0	0.0	-133.9	269.9	269.8	5.0
1.0	15.0	0.0	0.0	0.0	-131.5	265.1	265.0	4.8
1.0	15.0	5.0	0.0	0.0	-156.9	325.4	323.8	12.0
1.0	15.0	3.0	0.0	0.0	-125.9	263.4	261.9	8.4
1.0	15.0	0.0	0.0	0.0	-168.8	339.6	339.5	9.5
1.0	15.0	0.0	0.0	0.0	-112.4	227.0	226.9	2.7
1.0	15.0	1.0	0.0	0.0	-153.4	318.3	316.7	19.1
1.0	15.0	1.0	0.0	0.0	-130.0	271.6	270.0	10.1
1.0	15.0	0.0	0.0	0.0	-139.2	280.4	280.3	5.4
0.9	15.0	3.0	0.0	0.0	-125.5	271.0	267.0	7.2
1.0	15.0	3.0	0.0	0.0	-139.3	290.1	288.6	24.1
1.0	15.0	3.0	0.0	0.0	-123.1	257.8	256.3	9.6
1.0	15.0	0.0	0.0	0.0	-168.1	338.3	338.2	11.1
1.0	15.0	0.0	0.0	0.0	-105.5	213.0	212.9	2.7
1.0	15.0	2.0	0.0	0.0	-88.8	197.6	193.6	6.8
0.8	15.0	2.0	0.0	0.0	-78.7	177.5	173.5	3.6
1.0	15.0	0.0	0.0	0.0	-163.1	328.3	328.2	8.8
1.0	15.0	0.0	0.0	0.0	-130.2	262.6	262.5	5.7
1.0	15.0	2.0	0.0	0.0	-95.0	201.5	200.0	3.3
1.0	15.0	2.0	0.0	0.0	-74.1	159.7	158.1	1.4
1.0	15.0	0.0	0.0	0.0	-127.1	256.2	256.1	4.0
1.0	15.0	3.0	0.0	0.0	-121.3	254.2	252.6	3.5
1.0	15.0	3.0	0.0	0.0	-130.8	273.2	271.6	10.7
1.0	15.0	1.0	0.0	0.0	-112.2	235.9	234.4	4.9
1.0	15.0	0.0	0.0	0.0	-170.5	343.0	343.0	9.7
1.0	15.0	0.0	3.0	0.0	-154.4	320.2	318.7	6.6
0.6	15.0	1.0	2.0	0.0	-150.1	320.1	316.1	7.2
1.0	15.0	3.0	0.0	0.0	-143.7	299.0	297.4	6.5
1.0	15.0	0.0	2.0	0.0	-126.3	264.2	262.7	4.2
1.0	15.0	0.0	4.0	0.0	-133.2	278.0	276.5	5.2
1.0	15.0	1.0	3.0	0.0	-153.9	327.7	323.7	11.1
1.0	15.0	2.0	1.0	0.0	-139.1	298.1	294.1	9.0
1.0	15.0	0.0	3.0	0.0	-160.0	331.5	329.9	7.8
1.0	15.0	0.0	2.0	0.0	-137.0	285.5	283.9	5.2
1.0	15.0	0.0	2.0	0.0	-122.1	255.7	254.2	5.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-117.6	246.7	245.1	3.8
1.0	15.0	0.0	2.0	0.0	-164.2	340.0	338.5	9.3
1.0	15.0	0.0	3.0	0.0	-122.8	257.1	255.6	8.0
1.0	15.0	0.0	0.0	0.0	-85.8	173.8	173.7	2.2
1.0	15.0	2.0	0.0	0.0	-90.5	192.5	191.0	6.3
1.0	15.0	0.0	2.0	0.0	-163.7	338.9	337.4	12.1
1.0	15.0	0.0	2.0	0.0	-137.7	287.0	285.4	5.5
1.0	15.0	0.0	0.0	0.0	-95.7	193.5	193.4	2.8
1.0	15.0	1.0	0.0	0.0	-104.5	220.5	218.9	4.7
1.0	15.0	0.0	2.0	0.0	-163.2	338.0	336.5	10.8
1.0	15.0	0.0	2.0	0.0	-132.5	276.5	275.0	4.9
1.0	15.0	0.0	0.0	0.0	-80.9	163.9	163.8	1.9
1.0	15.0	1.0	0.0	0.0	-68.8	149.2	147.7	1.0
1.0	15.0	0.0	2.0	0.0	-144.7	301.0	299.5	8.6
1.0	15.0	0.0	2.0	0.0	-123.8	259.1	257.6	4.2
1.0	15.0	0.0	1.0	0.0	-106.5	224.5	223.0	2.0
1.0	15.0	1.0	0.0	0.0	-133.2	278.0	276.5	33.0
1.0	15.0	0.0	2.0	0.0	-144.2	299.9	298.4	5.9
1.0	15.0	0.0	2.0	0.0	-117.6	246.8	245.3	5.1
1.0	15.0	2.0	1.0	0.0	-138.2	296.3	292.3	5.9
1.0	15.0	2.0	0.0	0.0	-121.1	253.7	252.2	3.9
1.0	15.0	0.0	2.0	0.0	-137.4	286.4	284.9	6.1
1.0	15.0	0.0	1.0	0.0	-125.9	263.4	261.9	3.9
1.0	15.0	0.0	0.0	0.0	-123.3	248.6	248.5	4.2
1.0	15.0	1.0	0.0	0.0	-109.4	230.4	228.8	16.1
1.0	15.0	0.0	1.0	0.0	-166.4	344.3	342.8	9.1
1.0	15.0	0.0	1.0	0.0	-110.7	232.9	231.3	4.8
1.0	15.0	0.0	0.0	0.0	-63.5	129.2	129.1	1.1
1.0	15.0	1.0	0.0	0.0	-78.7	168.9	167.3	16.0
1.0	15.0	0.0	2.0	0.0	-132.6	276.8	275.2	12.1
1.0	15.0	0.0	1.0	0.0	-130.4	272.4	270.8	4.4
1.0	15.0	0.0	0.0	0.0	-72.6	147.3	147.2	1.3
0.8	15.0	1.0	0.0	0.0	-101.2	214.0	212.4	2.0
1.0	15.0	0.0	1.0	0.0	-141.6	294.7	293.1	5.6
1.0	15.0	0.0	1.0	0.0	-122.1	255.8	254.2	3.5
1.0	15.0	0.0	0.0	0.0	-69.2	140.6	140.5	1.3
1.0	15.0	1.0	0.0	0.0	-70.6	152.7	151.2	1.3
1.0	15.0	0.0	1.0	0.0	-193.4	398.4	396.8	15.7
1.0	15.0	0.0	1.0	0.0	-121.8	255.2	253.7	4.2
1.0	15.0	0.0	0.0	0.0	-98.0	198.1	198.0	2.9
0.6	15.0	1.0	0.0	0.0	-90.6	192.7	191.1	2.3
1.0	15.0	0.0	1.0	0.0	-160.3	332.2	330.6	8.4
0.7	15.0	0.0	2.0	0.0	-141.3	294.1	292.5	6.7
0.9	15.0	1.0	0.0	0.0	-141.1	293.6	292.1	9.9
1.0	15.0	1.0	0.0	0.0	-131.2	274.0	272.5	11.3
1.0	15.0	0.0	0.0	0.0	-137.9	277.8	277.7	5.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-130.7	263.5	263.4	5.0
1.0	15.0	2.0	0.0	0.0	-172.8	357.1	355.6	17.1
1.0	15.0	2.0	0.0	0.0	-126.7	265.0	263.5	5.2
1.0	15.0	0.0	0.0	0.0	-170.8	343.6	343.5	11.8
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.8	5.5
0.7	15.0	3.0	1.0	0.0	-177.2	374.6	370.5	52.4
0.9	15.0	2.0	1.0	0.0	-159.4	338.9	334.8	23.7
1.0	15.0	0.0	1.0	0.0	-146.6	304.7	303.2	11.6
1.0	15.0	1.0	1.0	0.0	-111.2	233.9	232.3	3.2
1.0	15.0	1.0	1.0	0.0	-158.9	337.9	333.9	22.4
1.0	15.0	1.0	1.0	0.0	-138.7	297.4	293.4	11.5
1.0	15.0	0.0	1.0	0.0	-185.3	372.7	372.6	17.6
1.0	15.0	0.0	2.0	0.0	-109.3	230.1	228.5	2.4
1.0	15.0	2.0	0.0	0.0	-144.1	299.8	298.2	6.2
1.0	15.0	2.0	0.0	0.0	-144.4	300.3	298.7	6.5
1.0	15.0	0.0	0.0	0.0	-137.0	276.2	276.1	5.0
1.0	15.0	0.0	2.0	0.0	-122.7	256.9	255.4	3.7
1.0	15.0	2.0	0.0	0.0	-157.3	326.0	324.5	7.2
1.0	15.0	2.0	0.0	0.0	-157.8	327.2	325.7	7.6
1.0	15.0	0.0	0.0	0.0	-173.9	349.9	349.8	11.6
1.0	15.0	0.0	3.0	0.0	-127.6	266.7	265.2	4.0
1.0	15.0	4.0	0.0	0.0	-142.8	305.6	301.6	5.8
1.0	15.0	4.0	0.0	0.0	-139.9	299.9	295.9	5.9
1.0	15.0	0.0	0.0	0.0	-151.3	304.6	304.5	6.9
1.0	15.0	2.0	1.0	0.0	-141.7	294.9	293.4	20.2
1.0	15.0	2.0	1.0	0.0	-108.4	236.7	232.7	2.7
1.0	15.0	1.0	0.0	0.0	-90.7	192.9	191.4	7.1
1.0	15.0	0.0	1.0	0.0	-156.2	323.9	322.3	8.2
1.0	15.0	0.0	2.0	0.0	-120.3	252.1	250.6	3.5
1.0	15.0	0.0	0.0	0.0	-150.0	302.1	302.0	6.7
1.0	15.0	2.0	0.0	0.0	-128.4	268.3	266.8	4.7
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	4.9
1.0	15.0	0.0	1.0	0.0	-119.6	250.7	249.1	4.6
0.9	15.0	1.0	1.0	0.0	-172.2	356.0	354.5	16.2
1.0	15.0	2.0	0.0	0.0	-141.9	295.4	293.8	9.6
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	6.8
1.0	15.0	0.0	2.0	0.0	-137.3	286.1	284.5	5.7
1.0	15.0	0.0	0.0	0.0	-89.7	181.6	181.5	1.9
1.0	15.0	2.0	0.0	0.0	-115.8	243.2	241.7	7.1
1.0	15.0	0.0	0.0	0.0	-173.5	349.0	348.9	11.4
1.0	15.0	0.0	2.0	0.0	-126.3	264.1	262.6	6.1
1.0	15.0	0.0	0.0	0.0	-114.9	231.9	231.8	5.3
0.6	15.0	1.0	0.0	0.0	-117.1	245.7	244.2	16.7
1.0	15.0	0.0	0.0	0.0	-149.6	301.3	301.2	6.4
1.0	15.0	1.0	0.0	0.0	-114.2	239.9	238.4	3.4
1.0	15.0	3.0	0.0	0.0	-126.9	265.3	263.8	4.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-115.3	232.8	232.7	3.0
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	4.2
1.0	15.0	0.0	5.0	0.0	-136.8	285.2	283.7	5.7
1.0	15.0	0.0	4.0	0.0	-107.0	225.5	224.0	2.2
1.0	15.0	5.0	0.0	0.0	-184.3	380.2	378.7	51.3
1.0	15.0	0.0	5.0	0.0	-149.6	310.7	309.2	7.9
1.0	15.0	0.0	2.0	0.0	-121.4	254.4	252.8	3.4
1.0	15.0	3.0	0.0	0.0	-153.8	319.2	317.7	7.7
1.0	15.0	3.0	0.0	0.0	-146.1	303.8	302.3	6.3
1.0	15.0	0.0	0.0	0.0	-151.0	304.1	304.0	7.3
1.0	15.0	0.0	0.0	0.0	-143.6	289.2	289.1	5.5
1.0	15.0	2.0	0.0	0.0	-164.7	341.0	339.5	10.0
1.0	15.0	2.0	0.0	0.0	-162.6	336.7	335.1	9.5
1.0	15.0	0.0	0.0	0.0	-131.5	265.1	265.0	4.6
1.0	15.0	0.0	3.0	0.0	-119.5	250.6	249.1	3.2
1.0	15.0	3.0	0.0	0.0	-110.1	240.3	236.3	3.0
0.9	15.0	3.0	0.0	0.0	-112.8	245.6	241.6	2.8
1.0	15.0	0.0	0.0	0.0	-150.2	302.4	302.3	6.8
1.0	15.0	0.0	0.0	0.0	-145.2	292.6	292.5	5.8
1.0	15.0	9.0	0.0	0.0	-187.4	386.4	384.8	16.7
1.0	15.0	8.0	0.0	0.0	-181.3	374.1	372.6	16.1
1.0	15.0	0.0	0.0	0.0	-165.4	332.8	332.7	8.5
1.0	15.0	1.0	4.0	0.0	-116.0	252.0	248.0	3.9
1.0	15.0	6.0	1.0	0.0	-188.3	396.5	392.5	23.6
1.0	15.0	5.0	1.0	0.0	-153.9	327.8	323.8	13.0
1.0	15.0	0.0	1.0	0.0	-162.3	326.7	326.6	11.5
1.0	15.0	0.0	2.0	0.0	-128.4	268.4	266.9	4.7
1.0	15.0	0.0	0.0	0.0	-68.2	138.4	138.3	1.0
1.0	15.0	1.0	0.0	0.0	-69.0	149.5	148.0	0.7
1.0	15.0	0.0	1.0	0.0	-162.7	327.4	327.3	9.2
1.0	15.0	0.0	2.0	0.0	-126.6	264.6	263.1	4.0
1.0	15.0	4.0	0.0	0.0	-128.8	277.7	273.7	5.5
0.9	15.0	5.0	0.0	0.0	-115.5	251.0	247.0	3.5
1.0	15.0	0.0	0.0	0.0	-171.5	345.0	344.9	10.2
1.0	15.0	0.0	2.0	0.0	-118.9	249.4	247.9	3.5
1.0	15.0	2.0	1.0	0.0	-151.4	322.8	318.8	15.5
1.0	15.0	2.0	1.0	0.0	-149.6	319.2	315.2	15.9
1.0	15.0	0.0	0.0	0.0	-169.3	340.7	340.6	10.0
1.0	15.0	0.0	2.0	0.0	-116.8	245.1	243.6	4.1
1.0	15.0	2.0	0.0	0.0	-143.5	298.6	297.1	6.7
1.0	15.0	2.0	0.0	0.0	-141.3	294.1	292.5	6.1
1.0	15.0	0.0	0.0	0.0	-154.9	311.9	311.8	8.1
1.0	15.0	0.0	0.0	0.0	-168.5	339.2	339.1	11.3
1.0	15.0	2.0	0.0	0.0	-141.9	303.7	299.7	9.2
1.0	15.0	2.0	1.0	0.0	-126.2	272.4	268.4	5.1
1.0	15.0	0.0	9.0	0.0	-157.1	325.7	324.1	7.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-142.6	287.3	287.2	6.3
1.0	15.0	2.0	0.0	0.0	-132.7	285.4	281.4	8.5
1.0	15.0	2.0	0.0	0.0	-114.0	247.9	243.9	4.8
1.0	15.0	0.0	7.0	0.0	-139.1	289.7	288.1	5.2
0.8	15.0	7.0	0.0	0.0	-150.9	313.3	311.8	7.3
1.0	15.0	1.0	0.0	0.0	-135.8	291.7	287.7	11.3
1.0	15.0	1.0	2.0	0.0	-135.4	290.8	286.8	8.8
1.0	15.0	0.0	8.0	0.0	-135.1	281.8	280.3	5.1
1.0	15.0	4.0	0.0	0.0	-165.2	342.0	340.5	11.2
0.7	15.0	2.0	4.0	0.0	-193.9	407.9	403.9	23.2
1.0	15.0	0.0	5.0	0.0	-180.7	372.9	371.3	17.4
1.0	15.0	0.0	9.0	0.0	-151.3	314.0	312.5	6.5
1.0	15.0	0.0	0.0	0.0	-170.5	343.1	343.0	10.9
1.0	15.0	1.0	0.0	0.0	-128.1	276.3	272.3	7.1
1.0	15.0	1.0	0.0	0.0	-125.3	252.7	252.7	5.7
1.0	15.0	0.0	7.0	0.0	-158.5	328.5	327.0	8.2
1.0	15.0	0.0	2.0	0.0	-122.8	257.2	255.7	3.9
1.0	15.0	3.0	0.0	0.0	-165.8	343.1	341.6	9.0
1.0	15.0	3.0	0.0	0.0	-140.0	291.6	290.0	6.5
1.0	15.0	0.0	0.0	0.0	-158.8	319.6	319.5	7.9
1.0	15.0	0.0	1.0	0.0	-889.3	1788.7	1788.5	7.2
1.0	15.0	3.0	1.0	0.0	-1129.1	2274.7	2274.1	27.4
1.0	15.0	1.0	0.0	0.0	-894.6	1805.7	1805.2	9.9
1.0	15.0	0.0	1.0	0.0	-875.6	1761.3	1761.1	9.1
1.0	15.0	0.0	1.0	0.0	-768.2	1546.6	1546.4	5.0
1.0	15.0	0.0	0.0	0.0	-653.4	1308.7	1308.7	3.5
1.0	15.0	1.0	0.0	0.0	-598.4	1207.0	1206.7	10.5
1.0	15.0	0.0	1.0	0.0	-972.5	1955.3	1955.0	9.1
1.0	15.0	0.0	1.0	0.0	-569.1	1148.6	1148.3	7.5
1.0	15.0	2.0	1.0	0.0	-704.1	1425.1	1424.2	19.7
1.0	15.0	2.0	1.0	0.0	-561.0	1138.9	1138.1	10.7
1.0	15.0	0.0	1.0	0.0	-642.1	1294.6	1294.2	11.7
1.0	15.0	0.0	2.0	0.0	-251.1	512.8	512.1	4.1
1.0	15.0	0.0	3.0	0.0	-208.5	427.7	427.0	1.9
1.0	15.0	1.0	0.0	0.0	-240.6	491.9	491.2	9.1
1.0	15.0	0.0	2.0	0.0	-297.4	605.5	604.8	6.3
1.0	15.0	0.0	1.0	0.0	-884.9	1779.9	1779.7	7.5
1.0	15.0	2.0	1.0	0.0	-1052.2	2120.9	2120.3	19.2
1.0	15.0	1.0	0.0	0.0	-845.7	1707.9	1707.4	8.4
1.0	15.0	0.0	1.0	0.0	-892.3	1794.9	1794.7	12.7
1.0	15.0	0.0	1.0	0.0	-826.3	1662.8	1662.5	5.8
1.0	15.0	0.0	0.0	0.0	-746.6	1495.2	1495.2	4.1
1.0	15.0	1.0	0.0	0.0	-663.6	1337.5	1337.2	11.0
1.0	15.0	0.0	1.0	0.0	-1012.5	2035.3	2035.1	11.0
1.0	15.0	0.0	0.0	0.0	-145.6	293.4	293.3	5.8
1.0	15.0	3.0	0.0	0.0	-190.1	391.7	390.2	16.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-160.3	332.0	330.5	8.7
1.0	15.0	0.0	0.0	0.0	-136.3	274.6	274.5	5.8
1.0	15.0	0.0	2.0	0.0	-138.2	287.8	286.3	5.4
1.0	15.0	2.0	0.0	0.0	-119.8	251.2	249.6	4.4
1.0	15.0	1.0	0.0	0.0	-118.5	248.6	247.1	3.7
1.0	15.0	0.0	0.0	0.0	-132.7	267.5	267.4	4.2
1.0	15.0	0.0	2.0	0.0	-125.6	262.7	261.1	4.2
1.0	15.0	5.0	0.0	0.0	-159.1	329.8	328.2	9.7
1.0	15.0	3.0	0.0	0.0	-119.5	250.6	249.1	3.6
1.0	15.0	0.0	0.0	0.0	-142.5	287.1	287.0	6.3
1.0	15.0	0.0	0.0	0.0	-132.8	267.7	267.6	5.6
1.0	15.0	3.0	0.0	0.0	-147.1	305.6	304.1	7.0
1.0	15.0	2.0	0.0	0.0	-122.2	255.9	254.4	3.7
1.0	15.0	0.0	0.0	0.0	-158.9	319.9	319.9	7.9
1.0	15.0	0.0	2.0	0.0	-113.9	239.3	237.8	3.2
1.0	15.0	2.0	0.0	0.0	-149.2	309.9	308.4	8.4
1.0	15.0	2.0	0.0	0.0	-122.3	256.0	254.5	5.1
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	4.2
1.0	15.0	1.0	1.0	0.0	-137.2	285.9	284.4	6.8
1.0	15.0	2.0	1.0	0.0	-179.0	378.1	374.0	18.7
1.0	15.0	2.0	0.0	0.0	-143.2	306.6	302.4	10.1
1.0	15.0	0.0	1.0	0.0	-160.6	332.7	331.1	11.9
1.0	15.0	0.0	1.0	0.0	-128.9	269.3	267.8	4.8
1.0	15.0	0.0	1.0	0.0	-148.4	308.3	306.7	9.4
1.0	15.0	1.0	0.0	0.0	-134.6	280.7	279.1	8.1
1.0	15.0	0.0	1.0	0.0	-137.0	285.4	283.9	5.0
1.0	15.0	0.0	1.0	0.0	-138.8	289.0	287.5	8.0
1.0	15.0	1.0	0.0	0.0	-104.1	210.3	210.2	4.4
1.0	15.0	1.0	0.0	0.0	-116.8	245.1	243.6	14.8
1.0	15.0	0.0	1.0	0.0	-182.4	376.3	374.7	15.6
1.0	15.0	0.0	1.0	0.0	-140.1	291.7	290.1	6.1
1.0	15.0	2.0	1.0	0.0	-134.7	289.4	285.4	5.3
1.0	15.0	1.0	0.0	0.0	-133.5	278.5	277.0	8.5
1.0	15.0	0.0	1.0	0.0	-146.6	304.8	303.3	6.4
1.0	15.0	0.0	1.0	0.0	-123.9	259.3	257.7	3.7
1.0	15.0	0.0	0.0	0.0	-65.9	134.0	133.9	1.0
1.0	15.0	1.0	0.0	0.0	-78.2	167.9	166.4	3.8
1.0	15.0	0.0	1.0	0.0	-136.5	284.6	283.1	4.8
1.0	15.0	0.0	1.0	0.0	-129.6	270.7	269.2	4.2
1.0	15.0	0.0	0.0	0.0	-120.2	242.4	242.3	4.2
1.0	15.0	1.0	0.0	0.0	-111.9	235.4	233.8	12.1
1.0	15.0	0.0	2.0	0.0	-177.2	366.0	364.5	12.8
1.0	15.0	0.0	1.0	0.0	-127.2	266.0	264.4	3.8
1.0	15.0	2.0	1.0	0.0	-112.2	244.5	240.5	3.8
1.0	15.0	1.0	0.0	0.0	-107.8	227.1	225.6	3.1
1.0	15.0	0.0	1.0	0.0	-157.8	327.1	325.6	7.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-111.3	234.1	232.5	2.6
1.0	15.0	4.0	0.0	0.0	-123.1	257.7	256.2	5.6
1.0	15.0	4.0	0.0	0.0	-117.8	247.0	245.5	4.7
1.0	15.0	0.0	0.0	0.0	-158.0	318.0	317.9	7.9
1.0	15.0	0.0	2.0	0.0	-265.8	542.3	541.6	4.5
1.0	15.0	4.0	0.0	0.0	-290.4	591.5	590.8	10.0
0.8	15.0	4.0	0.0	0.0	-267.0	544.6	543.9	6.3
1.0	15.0	0.0	0.0	0.0	-343.8	689.6	689.6	10.4
0.9	15.0	0.0	4.0	0.0	-140.0	291.5	290.0	8.0
1.0	15.0	1.0	4.0	0.0	-123.8	267.5	263.5	4.2
1.0	15.0	1.0	1.0	0.0	-128.0	276.0	272.0	4.6
1.0	15.0	0.0	1.0	0.0	-176.2	354.5	354.4	14.0
1.0	15.0	0.0	4.0	0.0	-149.3	310.1	308.5	9.4
0.8	15.0	5.0	4.0	0.0	-205.8	431.8	427.7	33.2
1.0	15.0	2.0	2.0	0.0	-176.5	373.1	369.0	18.7
1.0	15.0	0.0	4.0	0.0	-169.1	349.7	348.2	12.0
1.0	15.0	1.0	2.0	0.0	-162.5	336.5	335.0	10.5
1.0	15.0	0.0	0.0	0.0	-132.8	267.8	267.7	5.0
1.0	15.0	2.0	1.0	0.0	-136.4	284.3	282.7	5.5
1.0	15.0	0.0	4.0	0.0	-164.0	339.6	338.0	11.2
1.0	15.0	0.0	3.0	0.0	-133.7	278.9	277.3	13.2
1.0	15.0	0.0	0.0	0.0	-78.1	158.2	158.1	2.7
1.0	15.0	2.0	0.0	0.0	-108.2	227.9	226.4	13.9
1.0	15.0	0.0	5.0	0.0	-157.7	327.0	325.4	20.4
0.9	15.0	0.0	4.0	0.0	-133.6	278.7	277.2	12.1
1.0	15.0	0.0	0.0	0.0	-98.9	199.9	199.8	3.6
0.8	15.0	5.0	0.0	0.0	-131.9	283.9	279.9	27.9
1.0	15.0	0.0	5.0	0.0	-186.1	383.8	382.2	16.3
1.0	15.0	0.0	3.0	0.0	-134.8	281.1	279.6	6.6
0.9	15.0	1.0	2.0	0.0	-117.8	255.6	251.6	6.2
1.0	15.0	1.0	0.0	0.0	-124.4	260.3	258.8	9.2
1.0	15.0	0.0	4.0	0.0	-160.7	332.9	331.3	9.4
1.0	15.0	0.0	4.0	0.0	-277.4	565.6	564.9	5.5
1.0	15.0	0.0	1.0	0.0	-317.5	637.0	636.9	10.5
1.0	15.0	2.0	1.0	0.0	-270.2	558.1	556.3	5.3
1.0	15.0	1.0	0.0	0.0	-303.8	609.7	609.7	9.6
0.9	15.0	0.0	4.0	0.0	-281.5	573.6	572.9	6.6
1.0	15.0	5.0	0.0	0.0	-342.9	696.6	695.9	20.1
1.0	15.0	4.0	0.0	0.0	-282.2	575.1	574.4	16.4
1.0	15.0	0.0	0.0	0.0	-320.2	642.5	642.5	9.0
1.0	15.0	0.0	2.0	0.0	-233.7	478.1	477.4	4.2
1.0	15.0	0.0	0.0	0.0	-131.5	265.0	265.0	1.2
1.0	15.0	1.0	0.0	0.0	-170.2	351.1	350.4	4.7
1.0	15.0	0.0	1.0	0.0	-309.5	629.6	628.9	16.8
1.0	15.0	0.0	1.0	0.0	-264.6	539.8	539.1	6.0
1.0	15.0	0.0	0.0	0.0	-172.6	347.2	347.2	1.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-199.5	409.8	409.1	4.9
1.0	15.0	0.0	1.0	0.0	-333.2	677.0	676.3	11.8
1.0	15.0	0.0	2.0	0.0	-264.0	538.8	538.1	4.6
1.0	15.0	0.0	0.0	0.0	-237.5	477.0	476.9	3.6
0.9	15.0	2.0	0.0	0.0	-208.2	434.1	432.4	2.1
1.0	15.0	1.0	1.0	0.0	-377.3	756.6	756.5	16.8
1.0	15.0	0.0	1.0	0.0	-120.1	242.2	242.1	4.9
1.0	15.0	1.0	0.0	0.0	-147.2	306.0	304.4	6.9
1.0	15.0	1.0	0.0	0.0	-142.0	295.5	294.0	6.8
1.0	15.0	0.0	0.0	0.0	-123.8	249.8	249.7	4.3
1.0	15.0	0.0	0.0	0.0	-147.5	297.1	297.0	7.4
1.0	15.0	3.0	0.0	0.0	-170.6	361.3	357.3	11.9
1.0	15.0	3.0	0.0	0.0	-127.6	275.3	271.3	6.1
1.0	15.0	0.0	1.0	0.0	-179.5	361.0	360.9	12.5
1.0	15.0	0.0	0.0	0.0	-123.2	248.5	248.4	4.2
0.8	15.0	3.0	0.0	0.0	-157.0	325.6	324.0	9.3
0.5	15.0	3.0	0.0	0.0	-134.2	288.5	284.5	5.9
1.0	15.0	0.0	0.0	0.0	-145.8	293.6	293.5	6.9
1.0	15.0	0.0	2.0	0.0	-139.4	290.3	288.7	5.4
1.0	15.0	0.0	0.0	0.0	-123.2	248.6	248.5	3.5
1.0	15.0	4.0	0.0	0.0	-99.9	211.4	209.9	1.4
1.0	15.0	0.0	0.0	0.0	-168.2	338.6	338.5	9.7
1.0	15.0	0.0	3.0	0.0	-119.4	250.4	248.8	3.7
0.9	15.0	3.0	0.0	0.0	-134.6	289.2	285.2	6.9
1.0	15.0	3.0	0.0	0.0	-139.4	290.4	288.8	7.8
1.0	15.0	0.0	0.0	0.0	-132.2	266.5	266.4	5.0
1.0	15.0	0.0	2.0	0.0	-119.5	250.5	248.9	4.3
1.0	15.0	0.0	0.0	0.0	-65.3	132.6	132.5	1.0
1.0	15.0	2.0	0.0	0.0	-74.5	160.5	159.0	1.7
0.9	15.0	0.0	3.0	0.0	-159.1	329.7	328.2	8.4
1.0	15.0	0.0	3.0	0.0	-118.7	248.9	247.4	3.6
1.0	15.0	2.0	0.0	0.0	-145.2	310.3	306.3	9.2
0.5	15.0	3.0	0.0	0.0	-135.6	291.3	287.3	8.6
1.0	15.0	0.0	1.0	0.0	-143.7	289.5	289.4	8.5
1.0	15.0	0.0	1.0	0.0	-115.4	242.3	240.8	4.2
1.0	15.0	0.0	0.0	0.0	-77.6	157.3	157.2	1.3
0.6	15.0	1.0	0.0	0.0	-86.0	183.5	182.0	3.3
1.0	15.0	0.0	1.0	0.0	-163.3	338.0	336.5	9.5
1.0	15.0	0.0	0.0	0.0	-141.5	285.2	285.1	5.5
0.7	15.0	3.0	0.0	0.0	-162.4	344.9	340.9	12.4
0.9	15.0	2.0	0.0	0.0	-128.3	268.2	266.7	6.5
1.0	15.0	0.0	0.0	0.0	-147.4	296.9	296.8	7.3
0.8	15.0	1.0	3.0	0.0	-147.4	306.4	304.8	5.8
1.0	15.0	2.0	0.0	0.0	-109.0	229.5	227.9	2.8
1.0	15.0	2.0	0.0	0.0	-108.1	227.7	226.2	3.3
1.0	15.0	2.0	0.0	0.0	-191.2	384.6	384.5	16.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-114.0	239.5	238.0	2.9
1.0	15.0	1.0	0.0	0.0	-108.0	227.6	226.1	2.8
1.0	15.0	2.0	0.0	0.0	-91.5	194.4	192.9	3.4
1.0	15.0	0.0	0.0	0.0	-171.2	344.6	344.5	10.6
0.8	15.0	2.0	0.0	0.0	-286.9	584.6	583.9	6.3
1.0	15.0	3.0	1.0	0.0	-356.1	730.1	728.3	19.3
1.0	15.0	3.0	1.0	0.0	-277.8	573.4	571.7	10.7
1.0	15.0	0.0	1.0	0.0	-317.0	636.1	636.1	10.2
1.0	15.0	0.0	3.0	0.0	-270.7	552.1	551.4	4.9
1.0	15.0	4.0	0.0	0.0	-256.7	524.2	523.4	5.7
1.0	15.0	3.0	0.0	0.0	-244.7	500.1	499.4	5.1
1.0	15.0	0.0	1.0	0.0	-336.4	674.8	674.8	10.5
1.0	15.0	0.0	0.0	0.0	-138.7	279.5	279.4	5.6
0.6	15.0	3.0	0.0	0.0	-161.8	343.6	339.6	8.6
1.0	15.0	0.0	0.0	0.0	-162.3	326.6	326.5	9.1
1.0	15.0	0.0	0.0	0.0	-176.4	354.9	354.8	11.1
1.0	15.0	0.0	6.0	0.0	-152.6	325.2	321.2	8.5
0.5	15.0	10.0	0.0	0.0	-191.3	402.7	398.7	20.9
1.0	15.0	8.0	0.0	0.0	-175.9	371.8	367.8	15.3
1.0	15.0	0.0	4.0	0.0	-188.9	389.3	387.7	16.7
0.9	15.0	0.0	2.0	0.0	-143.6	298.7	297.2	5.6
1.0	15.0	9.0	0.0	0.0	-134.7	280.9	279.3	6.1
1.0	15.0	8.0	0.0	0.0	-149.5	310.5	309.0	7.1
1.0	15.0	1.0	0.0	0.0	-174.0	350.2	350.1	11.3
1.0	15.0	0.0	6.0	0.0	-291.4	593.6	592.9	6.0
1.0	15.0	11.0	0.0	0.0	-372.8	763.3	761.6	18.3
1.0	15.0	11.0	0.0	0.0	-321.8	661.3	659.5	12.3
1.0	15.0	0.0	7.0	0.0	-316.0	642.7	642.0	7.3
1.0	15.0	0.0	2.0	0.0	-112.3	236.2	234.7	2.6
1.0	15.0	2.0	0.0	0.0	-131.1	273.7	272.2	4.9
1.0	15.0	2.0	0.0	0.0	-126.6	264.7	263.1	4.7
1.0	15.0	0.0	0.0	0.0	-140.5	283.2	283.1	5.4
1.0	15.0	0.0	2.0	0.0	-113.3	238.2	236.6	3.1
1.0	15.0	3.0	0.0	0.0	-159.6	330.7	329.1	9.8
1.0	15.0	3.0	0.0	0.0	-124.8	261.2	259.6	4.5
1.0	15.0	0.0	0.0	0.0	-130.0	262.0	261.9	5.9
1.0	15.0	0.0	2.0	0.0	-127.3	266.1	264.6	6.0
1.0	15.0	0.0	1.0	0.0	-130.4	263.0	262.9	8.2
1.0	15.0	2.0	0.0	0.0	-124.6	260.8	259.2	4.7
1.0	15.0	0.0	3.0	0.0	-161.4	334.3	332.8	9.1
1.0	15.0	0.0	2.0	0.0	-133.7	278.9	277.3	5.8
1.0	15.0	2.0	2.0	0.0	-185.0	390.0	386.0	25.5
0.7	15.0	1.0	2.0	0.0	-155.4	330.9	326.9	14.9
1.0	15.0	0.0	4.0	0.0	-136.0	283.5	281.9	8.1
1.0	15.0	0.0	1.0	0.0	-128.4	268.4	266.8	7.2
0.6	15.0	2.0	0.0	0.0	-77.1	174.2	170.2	1.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-76.5	164.5	163.0	2.9
1.0	15.0	0.0	4.0	0.0	-133.7	279.0	277.5	5.2
1.0	15.0	0.0	1.0	0.0	-130.3	272.1	270.5	3.9
1.0	15.0	0.0	0.0	0.0	-96.9	195.8	195.7	3.7
1.0	15.0	1.0	0.0	0.0	-91.1	193.7	192.2	2.7
1.0	15.0	0.0	1.0	0.0	-154.1	319.7	318.1	8.1
1.0	15.0	0.0	4.0	0.0	-139.1	298.2	294.2	8.0
1.0	15.0	2.0	3.0	0.0	-144.3	308.6	304.6	10.6
1.0	15.0	2.0	3.0	0.0	-142.7	305.5	301.5	9.6
1.0	15.0	0.0	2.0	0.0	-148.9	309.3	307.8	6.3
1.0	15.0	0.0	3.0	0.0	-133.3	278.1	276.6	5.3
1.0	15.0	0.0	0.0	0.0	-68.9	140.0	139.9	1.0
0.7	15.0	3.0	0.0	0.0	-98.4	216.9	212.9	4.6
1.0	15.0	0.0	3.0	0.0	-151.8	315.2	313.7	10.0
1.0	15.0	0.0	0.0	0.0	-135.5	273.1	273.0	5.2
1.0	15.0	1.0	0.0	0.0	-157.9	327.3	325.7	9.3
1.0	15.0	1.0	0.0	0.0	-124.3	260.2	258.7	5.4
1.0	15.0	0.0	0.0	0.0	-144.4	290.9	290.8	6.9
1.0	15.0	0.0	2.0	0.0	-968.7	1947.6	1947.4	6.8
1.0	15.0	0.0	1.0	0.0	-970.6	1951.4	1951.2	5.9
0.9	15.0	2.0	0.0	0.0	-940.4	1890.9	1890.7	7.6
1.0	15.0	0.0	1.0	0.0	-1033.1	2076.4	2076.2	9.0
1.0	15.0	0.0	2.0	0.0	-572.3	1154.8	1154.5	9.5
1.0	15.0	0.0	1.0	0.0	-616.8	1244.0	1243.6	8.0
0.9	15.0	2.0	0.0	0.0	-561.3	1132.9	1132.6	6.0
1.0	15.0	0.0	1.0	0.0	-637.8	1286.0	1285.7	12.0
1.0	15.0	0.0	2.0	0.0	-551.2	1112.7	1112.4	5.7
1.0	15.0	2.0	0.0	0.0	-618.3	1246.9	1246.5	8.8
1.0	15.0	1.0	0.0	0.0	-514.6	1039.6	1039.2	7.1
1.0	15.0	0.0	0.0	0.0	-665.4	1332.8	1332.7	10.6
1.0	15.0	0.0	2.0	0.0	-984.3	1978.8	1978.6	11.1
1.0	15.0	0.0	0.0	0.0	-983.9	1969.7	1969.7	10.2
0.7	15.0	2.0	0.0	0.0	-1004.2	2024.9	2024.3	12.7
1.0	15.0	0.0	1.0	0.0	-973.4	1957.1	1956.8	15.3
0.7	15.0	2.0	0.0	0.0	-150.1	311.8	310.3	13.9
1.0	15.0	4.0	2.0	0.0	-174.9	369.8	365.8	22.5
1.0	15.0	2.0	2.0	0.0	-144.5	309.0	305.0	10.2
1.0	15.0	0.0	1.0	0.0	-166.1	343.8	342.2	10.0
1.0	15.0	0.0	1.0	0.0	-119.3	250.2	248.7	3.6
1.0	15.0	2.0	1.0	0.0	-83.4	186.9	182.9	1.8
1.0	15.0	3.0	0.0	0.0	-78.9	169.3	167.8	2.0
1.0	15.0	0.0	3.0	0.0	-155.7	322.9	321.4	12.5
1.0	15.0	1.0	3.0	0.0	-139.5	299.0	295.0	6.6
1.0	15.0	4.0	0.0	0.0	-190.4	400.9	396.9	36.2
1.0	15.0	3.0	0.0	0.0	-201.8	423.7	419.7	56.1
1.0	15.0	0.0	0.0	0.0	-164.7	331.6	331.5	9.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	0.0	2.0	0.0	-131.3	274.2	272.7	5.3
1.0	15.0	2.0	0.0	0.0	-168.3	348.1	346.5	14.3
1.0	15.0	2.0	0.0	0.0	-134.6	280.7	279.2	10.6
1.0	15.0	0.0	0.0	0.0	-160.2	322.5	322.4	9.6
1.0	15.0	0.0	2.0	0.0	-134.6	280.8	279.3	5.1
0.7	15.0	6.0	0.0	0.0	-159.5	339.0	335.0	9.4
0.7	15.0	6.0	0.0	0.0	-113.8	247.7	243.7	3.0
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	6.2
1.0	15.0	0.0	2.0	0.0	-122.6	256.8	255.2	4.1
0.9	15.0	4.0	0.0	0.0	-146.0	303.6	302.1	6.7
0.7	15.0	4.0	0.0	0.0	-134.7	289.5	285.5	5.4
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	5.9
1.0	15.0	0.0	1.0	0.0	-103.9	219.3	217.8	1.9
1.0	15.0	0.0	0.0	0.0	-116.5	235.2	235.1	4.5
1.0	15.0	2.0	0.0	0.0	-106.2	223.9	222.3	2.1
1.0	15.0	0.0	1.0	0.0	-137.8	287.1	285.6	5.1
1.0	15.0	0.0	1.0	0.0	-118.2	247.9	246.3	3.4
1.0	15.0	0.0	1.0	0.0	-106.6	215.2	215.1	4.4
0.6	15.0	1.0	0.0	0.0	-101.3	214.1	212.5	3.5
1.0	15.0	0.0	1.0	0.0	-156.1	323.8	322.2	8.4
1.0	15.0	0.0	1.0	0.0	-142.1	295.7	294.1	7.5
1.0	15.0	3.0	1.0	0.0	-171.1	362.3	358.3	23.8
1.0	15.0	2.0	0.0	0.0	-137.2	294.4	290.4	8.0
1.0	15.0	0.0	1.0	0.0	-153.8	319.2	317.6	10.5
1.0	15.0	0.0	2.0	0.0	-138.9	289.3	287.7	8.9
1.0	15.0	0.0	0.0	0.0	-74.7	151.6	151.5	1.2
1.0	15.0	1.0	0.0	0.0	-98.5	208.4	206.9	12.9
1.0	15.0	0.0	3.0	0.0	-136.6	284.7	283.2	7.3
1.0	15.0	0.0	2.0	0.0	-133.1	277.8	276.3	5.2
1.0	15.0	0.0	0.0	0.0	-82.9	168.0	167.9	1.5
1.0	15.0	2.0	0.0	0.0	-107.9	227.4	225.9	5.2
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.3	8.6
1.0	15.0	0.0	2.0	0.0	-121.9	255.3	253.8	5.4
1.0	15.0	0.0	2.0	0.0	-101.1	213.7	212.2	1.6
0.9	15.0	1.0	0.0	0.0	-106.8	225.2	223.7	4.0
1.0	15.0	0.0	1.0	0.0	-162.7	336.9	335.4	9.7
1.0	15.0	0.0	2.0	0.0	-114.8	241.2	239.7	2.9
0.7	15.0	4.0	0.0	0.0	-171.1	362.1	358.1	12.9
1.0	15.0	4.0	0.0	0.0	-148.2	307.9	306.4	9.7
1.0	15.0	0.0	0.0	0.0	-150.2	302.5	302.4	8.2
1.0	15.0	1.0	1.0	0.0	-464.1	930.3	930.2	8.0
1.0	15.0	4.0	0.0	0.0	-460.5	938.2	937.1	10.0
1.0	15.0	4.0	0.0	0.0	-447.0	911.1	910.0	9.2
1.0	15.0	0.0	0.0	0.0	-460.4	922.8	922.8	7.0
1.0	15.0	0.0	1.0	0.0	-129.3	270.2	268.7	6.3
0.9	15.0	2.0	1.0	0.0	-148.9	317.8	313.8	8.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-144.5	300.4	298.9	6.6
1.0	15.0	0.0	1.0	0.0	-173.3	358.2	356.6	11.9
1.0	15.0	0.0	1.0	0.0	-149.9	311.3	309.8	10.7
1.0	15.0	0.0	1.0	0.0	-108.6	219.3	219.2	5.1
0.9	15.0	1.0	0.0	0.0	-122.2	255.8	254.3	10.1
1.0	15.0	0.0	1.0	0.0	-160.8	333.1	331.6	13.4
1.0	15.0	0.0	1.0	0.0	-120.2	252.0	250.4	12.5
1.0	15.0	0.0	0.0	0.0	-64.1	130.2	130.1	1.0
0.7	15.0	1.0	0.0	0.0	-92.9	197.4	195.9	17.4
1.0	15.0	0.0	2.0	0.0	-135.3	282.1	280.6	10.9
1.0	15.0	0.0	1.0	0.0	-148.1	307.8	306.3	9.1
1.0	15.0	0.0	0.0	0.0	-77.9	157.8	157.7	2.7
0.6	15.0	1.0	0.0	0.0	-112.0	235.6	234.0	12.1
1.0	15.0	0.0	1.0	0.0	-175.3	362.1	360.5	12.8
1.0	15.0	0.0	1.0	0.0	-121.4	254.4	252.8	3.5
1.0	15.0	0.0	1.0	0.0	-109.6	221.3	221.2	5.3
1.0	15.0	1.0	0.0	0.0	-130.6	272.7	271.2	43.7
1.0	15.0	0.0	1.0	0.0	-137.8	287.2	285.6	5.0
1.0	15.0	0.0	0.0	0.0	-134.2	270.6	270.5	5.1
1.0	15.0	1.0	0.0	0.0	-167.3	346.1	344.5	10.6
1.0	15.0	1.0	0.0	0.0	-119.0	249.5	247.9	4.7
1.0	15.0	0.0	0.0	0.0	-159.0	320.0	319.9	9.4
1.0	15.0	0.0	0.0	0.0	-154.7	311.5	311.4	7.7
0.9	15.0	2.0	0.0	0.0	-183.7	369.6	369.5	19.3
0.7	15.0	3.0	0.0	0.0	-145.1	310.2	306.2	5.9
1.0	15.0	0.0	1.0	0.0	-172.8	347.8	347.7	12.9
0.9	15.0	0.0	3.0	0.0	-120.1	251.7	250.1	4.3
1.0	15.0	2.0	0.0	0.0	-161.8	335.2	333.6	32.3
1.0	15.0	2.0	0.0	0.0	-133.4	278.3	276.7	22.2
1.0	15.0	0.0	0.0	0.0	-170.8	343.6	343.5	10.5
1.0	15.0	2.0	1.0	0.0	-129.7	271.0	269.5	4.5
1.0	15.0	2.0	0.0	0.0	-107.5	226.4	224.9	5.3
1.0	15.0	1.0	0.0	0.0	-108.1	227.6	226.1	4.8
1.0	15.0	0.0	2.0	0.0	-184.3	370.7	370.6	13.3
1.0	15.0	0.0	2.0	0.0	-118.0	247.5	246.0	3.0
1.0	15.0	2.0	0.0	0.0	-108.3	228.1	226.5	3.1
1.0	15.0	2.0	0.0	0.0	-113.3	238.1	236.5	5.1
1.0	15.0	0.0	0.0	0.0	-131.8	265.8	265.7	4.6
1.0	15.0	0.0	0.0	0.0	-126.5	255.0	254.9	5.3
1.0	15.0	2.0	0.0	0.0	-168.0	347.6	346.1	10.5
1.0	15.0	2.0	0.0	0.0	-122.1	255.8	254.3	3.6
1.0	15.0	0.0	0.0	0.0	-154.1	310.4	310.3	6.5
1.0	15.0	0.0	2.0	0.0	-117.4	246.4	244.9	4.6
1.0	15.0	2.0	0.0	0.0	-151.3	314.2	312.7	9.8
1.0	15.0	2.0	0.0	0.0	-129.5	270.5	268.9	9.5
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	6.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	7.0	0.0	-272.8	556.3	555.5	5.0
1.0	15.0	8.0	0.0	0.0	-313.5	637.7	636.9	8.6
1.0	15.0	8.0	0.0	0.0	-337.1	684.9	684.2	10.2
1.0	15.0	0.0	0.0	0.0	-350.7	703.5	703.4	10.8
1.0	15.0	0.0	6.0	0.0	-304.0	618.8	618.0	8.0
1.0	15.0	7.0	0.0	0.0	-385.1	780.9	780.2	18.1
1.0	15.0	6.0	0.0	0.0	-366.0	742.7	742.0	16.4
1.0	15.0	0.0	0.0	0.0	-342.7	687.4	687.4	10.7
1.0	15.0	0.0	0.0	0.0	-289.7	581.4	581.3	5.5
1.0	15.0	3.0	0.0	0.0	-299.6	617.0	615.2	14.3
1.0	15.0	3.0	0.0	0.0	-286.8	591.4	589.6	11.3
1.0	15.0	0.0	0.0	0.0	-333.8	669.6	669.6	8.7
1.0	15.0	0.0	2.0	0.0	-777.9	1566.1	1565.9	4.7
0.9	15.0	2.0	0.0	0.0	-870.9	1752.1	1751.8	8.8
0.9	15.0	2.0	0.0	0.0	-807.7	1625.7	1625.5	6.3
1.0	15.0	0.0	0.0	0.0	-840.7	1683.4	1683.4	6.2
1.0	15.0	0.0	0.0	0.0	-129.2	260.5	260.4	4.3
1.0	15.0	3.0	0.0	0.0	-154.2	320.0	318.5	7.5
1.0	15.0	2.0	0.0	0.0	-128.8	269.2	267.6	5.6
1.0	15.0	0.0	0.0	0.0	-138.0	278.1	278.0	5.3
1.0	15.0	0.0	0.0	0.0	-120.9	243.9	243.8	3.6
1.0	15.0	2.0	0.0	0.0	-111.2	233.8	232.3	6.3
1.0	15.0	2.0	0.0	0.0	-103.4	218.4	216.8	4.7
1.0	15.0	0.0	0.0	0.0	-178.3	358.6	358.5	11.4
0.6	15.0	1.0	0.0	0.0	-140.6	292.8	291.3	8.7
1.0	15.0	2.0	1.0	0.0	-162.2	344.5	340.5	14.7
1.0	15.0	1.0	1.0	0.0	-135.9	291.9	287.9	8.0
1.0	15.0	0.0	1.0	0.0	-154.5	320.6	319.0	8.0
1.0	15.0	0.0	2.0	0.0	-122.7	257.0	255.5	3.5
1.0	15.0	2.0	0.0	0.0	-175.3	362.0	360.5	11.4
1.0	15.0	2.0	0.0	0.0	-148.0	307.6	306.0	7.3
1.0	15.0	0.0	0.0	0.0	-154.4	310.9	310.8	7.3
0.9	15.0	0.0	3.0	0.0	-130.2	271.8	270.3	4.9
0.9	15.0	3.0	0.0	0.0	-153.1	326.2	322.2	8.3
0.8	15.0	3.0	0.0	0.0	-148.5	316.9	312.9	8.4
1.0	15.0	0.0	0.0	0.0	-144.4	291.0	290.9	6.2
0.9	15.0	0.0	9.0	0.0	-127.9	267.3	265.8	5.8
1.0	15.0	4.0	0.0	0.0	-124.9	269.8	265.8	10.7
1.0	15.0	4.0	0.0	0.0	-110.6	241.3	237.3	8.9
1.0	15.0	2.0	0.0	0.0	-156.1	314.3	314.2	15.6
1.0	15.0	0.0	0.0	0.0	-144.2	290.6	290.5	6.0
1.0	15.0	5.0	0.0	0.0	-135.6	291.1	287.1	7.1
1.0	15.0	3.0	0.0	0.0	-126.3	272.7	268.7	5.4
1.0	15.0	0.0	0.0	0.0	-168.4	338.9	338.8	12.1
1.0	15.0	0.0	2.0	0.0	-122.2	256.0	254.5	4.6
1.0	15.0	3.0	1.0	0.0	-163.8	347.6	343.6	17.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-134.7	289.4	285.4	10.5
1.0	15.0	0.0	0.0	0.0	-155.6	313.4	313.3	7.5
1.0	15.0	0.0	1.0	0.0	-129.5	270.5	269.0	5.7
1.0	15.0	0.0	1.0	0.0	-134.2	270.5	270.4	7.6
0.9	15.0	1.0	0.0	0.0	-108.4	228.4	226.9	6.4
1.0	15.0	0.0	2.0	0.0	-142.8	297.1	295.6	6.8
0.9	15.0	1.0	1.0	0.0	-151.8	315.1	313.6	12.4
1.0	15.0	0.0	0.0	0.0	-112.9	227.9	227.8	4.0
0.5	15.0	1.0	0.0	0.0	-122.4	256.3	254.7	7.8
1.0	15.0	0.0	2.0	0.0	-173.9	359.3	357.8	13.6
1.0	15.0	0.0	1.0	0.0	-122.1	255.8	254.2	3.4
1.0	15.0	0.0	0.0	0.0	-76.4	154.9	154.8	1.4
1.0	15.0	1.0	0.0	0.0	-77.9	167.4	165.9	3.7
1.0	15.0	0.0	2.0	0.0	-126.0	263.6	262.1	5.4
1.0	15.0	0.0	1.0	0.0	-134.5	280.5	279.0	6.6
1.0	15.0	0.0	0.0	0.0	-90.4	182.9	182.8	1.9
0.9	15.0	1.0	0.0	0.0	-112.4	236.3	234.7	14.6
1.0	15.0	0.0	2.0	0.0	-164.3	340.2	338.5	13.2
1.0	15.0	0.0	2.0	0.0	-138.7	289.0	287.4	12.8
1.0	15.0	0.0	0.0	0.0	-104.9	211.8	211.7	3.1
1.0	15.0	1.0	0.0	0.0	-116.5	244.5	243.0	18.3
1.0	15.0	0.0	2.0	0.0	-161.0	333.6	332.1	17.3
1.0	15.0	0.0	6.0	0.0	-135.5	282.4	280.9	11.3
1.0	15.0	1.0	4.0	0.0	-143.3	306.7	302.7	8.2
1.0	15.0	3.0	0.0	0.0	-144.9	309.8	305.8	9.2
1.0	15.0	0.0	4.0	0.0	-124.5	260.5	258.9	4.5
1.0	15.0	0.0	3.0	0.0	-159.8	331.2	329.6	13.6
1.0	15.0	1.0	4.0	0.0	-223.4	466.7	462.7	54.9
0.9	15.0	2.0	5.0	0.0	-185.0	389.9	385.9	25.2
1.0	15.0	0.0	5.0	0.0	-165.0	341.5	340.0	14.3
1.0	15.0	1.0	3.0	0.0	-164.9	341.3	339.8	10.7
1.0	15.0	0.0	0.0	0.0	-143.8	289.7	289.6	6.3
1.0	15.0	2.0	2.0	0.0	-149.6	310.8	309.2	7.9
1.0	15.0	0.0	5.0	0.0	-178.9	369.3	367.8	14.8
1.0	15.0	0.0	5.0	0.0	-112.4	236.4	234.9	3.4
1.0	15.0	0.0	0.0	0.0	-70.7	143.5	143.5	1.2
1.0	15.0	4.0	0.0	0.0	-116.2	244.0	242.4	12.3
0.9	15.0	0.0	5.0	0.0	-132.9	277.3	275.8	4.9
1.0	15.0	0.0	5.0	0.0	-164.7	340.9	339.3	13.7
1.0	15.0	2.0	0.0	0.0	-126.8	273.5	269.5	6.6
1.0	15.0	7.0	0.0	0.0	-163.0	337.5	336.0	13.5
1.0	15.0	0.0	6.0	0.0	-168.1	347.7	346.1	10.4
1.0	15.0	0.0	4.0	0.0	-140.1	291.7	290.2	6.4
1.0	15.0	0.0	0.0	0.0	-82.8	167.7	167.6	1.7
1.0	15.0	3.0	0.0	0.0	-76.8	165.1	163.6	1.2
1.0	15.0	0.0	0.0	0.0	-166.7	335.6	335.5	12.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	6.0	0.0	-148.6	308.7	307.2	7.0
1.0	15.0	2.0	0.0	0.0	-118.8	257.6	253.6	4.0
1.0	15.0	6.0	0.0	0.0	-171.4	354.3	352.8	14.5
1.0	15.0	0.0	6.0	0.0	-170.7	353.0	351.5	13.1
1.0	15.0	0.0	6.0	0.0	-124.5	260.5	259.0	6.4
1.0	15.0	2.0	5.0	0.0	-134.9	289.9	285.9	5.0
1.0	15.0	3.0	0.0	0.0	-145.6	311.3	307.3	6.6
1.0	15.0	0.0	4.0	0.0	-140.2	292.0	290.5	7.7
0.8	15.0	1.0	2.0	0.0	-171.8	355.1	353.6	11.9
0.9	15.0	2.0	5.0	0.0	-220.3	460.6	456.6	53.1
1.0	15.0	2.0	4.0	0.0	-184.4	388.8	384.8	26.1
1.0	15.0	0.0	5.0	0.0	-179.2	369.9	368.4	14.7
1.0	15.0	2.0	3.0	0.0	-156.1	332.2	328.2	9.0
1.0	15.0	0.0	2.0	0.0	-142.2	296.0	294.5	7.1
0.8	15.0	2.0	1.0	0.0	-156.3	324.2	322.7	9.7
1.0	15.0	0.0	4.0	0.0	-175.6	362.7	361.2	11.8
1.0	15.0	0.0	4.0	0.0	-110.2	232.0	230.5	2.5
1.0	15.0	0.0	0.0	0.0	-74.4	150.9	150.8	1.3
1.0	15.0	5.0	0.0	0.0	-116.6	253.2	249.2	10.9
1.0	15.0	0.0	6.0	0.0	-160.6	332.8	331.3	12.3
1.0	15.0	0.0	5.0	0.0	-170.1	351.7	350.2	13.1
1.0	15.0	4.0	0.0	0.0	-121.5	263.0	259.0	4.7
1.0	15.0	6.0	0.0	0.0	-184.1	379.7	378.2	18.4
1.0	15.0	0.0	6.0	0.0	-185.0	381.6	380.0	21.8
1.0	15.0	0.0	5.0	0.0	-137.0	285.5	284.0	6.3
1.0	15.0	0.0	0.0	0.0	-74.8	151.8	151.7	1.3
1.0	15.0	3.0	0.0	0.0	-79.8	171.2	169.7	1.7
1.0	15.0	0.0	0.0	0.0	-163.8	329.8	329.7	9.8
0.9	15.0	0.0	5.0	0.0	-147.2	305.9	304.4	8.4
1.0	15.0	2.0	2.0	0.0	-123.9	267.8	263.8	3.9
1.0	15.0	6.0	0.0	0.0	-164.4	340.4	338.8	15.0
1.0	15.0	0.0	5.0	0.0	-178.6	368.7	367.1	16.0
1.0	15.0	0.0	2.0	0.0	-110.7	233.0	231.5	2.7
1.0	15.0	3.0	0.0	0.0	-146.3	312.7	308.7	7.5
1.0	15.0	2.0	0.0	0.0	-140.5	292.5	290.9	6.1
1.0	15.0	0.0	1.0	0.0	-130.1	271.8	270.2	5.3
1.0	15.0	0.0	2.0	0.0	-127.5	266.6	265.0	4.4
1.0	15.0	3.0	0.0	0.0	-156.5	324.5	322.9	10.2
1.0	15.0	1.0	0.0	0.0	-140.0	291.5	289.9	7.0
1.0	15.0	0.0	0.0	0.0	-152.8	307.7	307.6	7.5
1.0	15.0	0.0	2.0	0.0	-121.9	255.3	253.7	5.3
1.0	15.0	4.0	0.0	0.0	-117.0	245.5	244.0	4.3
1.0	15.0	3.0	0.0	0.0	-106.9	225.4	223.9	2.3
1.0	15.0	0.0	0.0	0.0	-166.9	335.8	335.7	8.9
1.0	15.0	0.0	2.0	0.0	-785.6	1581.4	1581.2	5.0
1.0	15.0	2.0	1.0	0.0	-848.9	1714.4	1713.9	6.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-828.9	1668.1	1667.8	5.9
1.0	15.0	0.0	1.0	0.0	-834.5	1679.1	1678.9	7.3
1.0	15.0	0.0	2.0	0.0	-799.0	1608.2	1608.0	6.3
1.0	15.0	0.0	1.0	0.0	-1089.0	2188.3	2188.1	28.7
1.0	15.0	2.0	0.0	0.0	-882.6	1775.4	1775.2	14.3
1.0	15.0	0.0	1.0	0.0	-934.8	1879.9	1879.7	12.9
1.0	15.0	0.0	2.0	0.0	-548.7	1107.7	1107.4	5.6
1.0	15.0	1.0	1.0	0.0	-587.6	1185.5	1185.1	6.9
1.0	15.0	2.0	0.0	0.0	-552.8	1116.0	1115.7	5.7
1.0	15.0	0.0	1.0	0.0	-596.6	1203.5	1203.1	7.5
1.0	15.0	0.0	2.0	0.0	-531.2	1072.6	1072.3	5.4
1.0	15.0	0.0	1.0	0.0	-681.0	1364.0	1364.0	17.7
0.9	15.0	2.0	0.0	0.0	-548.3	1107.0	1106.6	10.4
1.0	15.0	0.0	1.0	0.0	-704.5	1411.1	1411.1	16.3
1.0	15.0	0.0	2.0	0.0	-828.7	1667.5	1667.3	5.7
1.0	15.0	1.0	1.0	0.0	-946.1	1902.3	1902.1	8.8
1.0	15.0	2.0	0.0	0.0	-850.3	1710.8	1710.6	6.1
1.0	15.0	0.0	1.0	0.0	-931.9	1874.1	1873.9	9.7
1.0	15.0	0.0	1.0	0.0	-890.9	1792.1	1791.9	8.0
1.0	15.0	0.0	1.0	0.0	-1051.4	2113.0	2112.8	18.7
1.0	15.0	2.0	0.0	0.0	-924.7	1866.0	1865.4	8.7
1.0	15.0	0.0	1.0	0.0	-997.9	2006.1	2005.9	12.2
1.0	15.0	0.0	1.0	0.0	-725.1	1460.5	1460.3	4.3
1.0	15.0	0.0	0.0	0.0	-474.3	950.7	950.7	1.9
0.5	15.0	1.0	0.0	0.0	-461.5	933.3	933.1	2.6
1.0	15.0	0.0	2.0	0.0	-865.3	1740.8	1740.6	7.1
1.0	15.0	0.0	1.0	0.0	-815.8	1641.8	1641.6	6.1
1.0	15.0	0.0	1.0	0.0	-734.5	1471.0	1470.9	5.2
1.0	15.0	1.0	0.0	0.0	-689.8	1389.8	1389.5	10.3
1.0	15.0	0.0	1.0	0.0	-1053.1	2108.2	2108.2	15.3
1.0	15.0	0.0	0.0	0.0	-148.7	299.4	299.3	6.9
0.9	15.0	4.0	0.0	0.0	-168.2	356.4	352.4	13.1
0.7	15.0	4.0	0.0	0.0	-137.3	294.7	290.7	9.7
1.0	15.0	0.0	1.0	0.0	-152.3	306.8	306.7	9.1
1.0	15.0	0.0	0.0	0.0	-123.4	248.9	248.9	3.9
1.0	15.0	1.0	0.0	0.0	-148.0	307.6	306.0	6.4
1.0	15.0	1.0	0.0	0.0	-111.6	234.8	233.3	2.5
1.0	15.0	0.0	0.0	0.0	-143.1	288.2	288.1	6.0
0.9	15.0	1.0	0.0	0.0	-127.3	266.0	264.5	3.8
1.0	15.0	2.0	0.0	0.0	-119.8	251.2	249.7	14.9
1.0	15.0	1.0	0.0	0.0	-119.1	249.8	248.3	8.6
1.0	15.0	0.0	0.0	0.0	-161.4	324.9	324.8	9.8
1.0	15.0	0.0	0.0	0.0	-124.7	251.5	251.4	4.1
1.0	15.0	1.0	0.0	0.0	-123.0	257.4	255.9	3.7
1.0	15.0	2.0	0.0	0.0	-111.4	234.3	232.7	2.8
1.0	15.0	0.0	0.0	0.0	-164.6	331.4	331.3	8.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-127.8	257.7	257.6	4.2
1.0	15.0	2.0	0.0	0.0	-180.8	373.2	371.7	17.1
1.0	15.0	2.0	0.0	0.0	-131.4	274.3	272.8	4.3
1.0	15.0	0.0	0.0	0.0	-138.2	278.5	278.4	5.7
1.0	15.0	0.0	5.0	0.0	-135.3	282.1	280.5	6.7
1.0	15.0	1.0	3.0	0.0	-210.7	432.9	431.3	47.3
1.0	15.0	3.0	0.0	0.0	-165.5	351.0	347.0	20.4
1.0	15.0	0.0	3.0	0.0	-163.2	338.0	336.4	17.4
1.0	15.0	0.0	2.0	0.0	-172.6	356.7	355.1	15.0
1.0	15.0	0.0	0.0	0.0	-95.7	193.5	193.4	2.4
1.0	15.0	2.0	0.0	0.0	-123.3	258.1	256.6	7.6
1.0	15.0	0.0	2.0	0.0	-174.6	360.7	359.1	12.4
1.0	15.0	0.0	2.0	0.0	-125.1	261.7	260.2	5.0
1.0	15.0	3.0	0.0	0.0	-121.7	254.9	253.4	6.1
1.0	15.0	2.0	0.0	0.0	-124.3	260.1	258.6	9.1
1.0	15.0	0.0	0.0	0.0	-168.8	339.7	339.6	10.3
1.0	15.0	0.0	4.0	0.0	-163.5	347.0	343.0	13.5
0.4	15.0	2.0	3.0	0.0	-201.1	422.2	418.2	23.1
0.6	15.0	2.0	0.0	0.0	-196.1	412.1	408.1	22.0
0.9	15.0	0.0	3.0	0.0	-184.9	381.4	379.8	26.8
0.9	15.0	0.0	3.0	0.0	-146.5	312.9	308.9	9.4
1.0	15.0	0.0	0.0	0.0	-68.4	139.0	138.9	1.4
0.9	15.0	2.0	0.0	0.0	-114.7	249.3	245.3	4.5
1.0	15.0	0.0	1.0	0.0	-194.7	400.9	399.3	18.4
1.0	15.0	0.0	2.0	0.0	-120.5	252.5	250.9	3.6
1.0	15.0	1.0	0.0	0.0	-117.3	254.5	250.5	3.8
1.0	15.0	1.0	0.0	0.0	-105.1	230.3	226.3	2.7
1.0	15.0	0.0	0.0	0.0	-172.7	347.5	347.4	10.8
1.0	15.0	0.0	1.0	0.0	-115.6	242.7	241.1	2.9
1.0	15.0	1.0	0.0	0.0	-127.2	265.9	264.4	5.0
1.0	15.0	1.0	0.0	0.0	-118.8	249.1	247.6	4.1
1.0	15.0	0.0	0.0	0.0	-142.6	287.2	287.2	5.6
1.0	15.0	0.0	0.0	0.0	-125.0	252.1	252.0	5.8
1.0	15.0	3.0	0.0	0.0	-154.3	320.2	318.7	27.3
1.0	15.0	3.0	0.0	0.0	-135.3	282.2	280.7	14.7
1.0	15.0	0.0	0.0	0.0	-146.5	295.1	295.0	9.1
1.0	15.0	0.0	0.0	0.0	-126.6	255.4	255.3	4.1
1.0	15.0	4.0	0.0	0.0	-192.3	396.2	394.6	24.7
1.0	15.0	2.0	0.0	0.0	-160.0	331.6	330.1	12.3
1.0	15.0	0.0	0.0	0.0	-186.3	374.8	374.7	20.2
1.0	15.0	0.0	0.0	0.0	-165.8	333.6	333.5	11.8
1.0	15.0	2.0	0.0	0.0	-134.5	280.5	278.9	13.6
1.0	15.0	2.0	0.0	0.0	-136.8	285.2	283.7	12.3
1.0	15.0	0.0	0.0	0.0	-192.1	386.4	386.3	17.6
1.0	15.0	0.0	0.0	0.0	-108.0	218.0	217.9	2.8
1.0	15.0	2.0	0.0	0.0	-83.4	178.4	176.9	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-77.6	166.7	165.1	1.9
1.0	15.0	0.0	0.0	0.0	-148.8	299.8	299.7	7.5
0.6	15.0	6.0	0.0	0.0	-140.2	291.9	290.3	5.2
1.0	15.0	1.0	0.0	0.0	-86.0	183.6	182.0	3.1
1.0	15.0	1.0	0.0	0.0	-71.0	153.5	151.9	1.2
1.0	15.0	0.0	0.0	0.0	-163.3	328.6	328.6	11.7
1.0	15.0	0.0	0.0	0.0	-129.4	260.9	260.8	4.2
1.0	15.0	2.0	0.0	0.0	-136.1	283.7	282.2	9.9
1.0	15.0	1.0	0.0	0.0	-121.1	253.8	252.3	5.7
1.0	15.0	0.0	0.0	0.0	-186.5	375.2	375.1	17.9
1.0	15.0	3.0	0.0	0.0	-122.7	265.3	261.3	4.8
1.0	15.0	1.0	0.0	0.0	-130.7	281.4	277.4	4.5
1.0	15.0	0.0	0.0	0.0	-110.7	223.5	223.4	3.0
1.0	15.0	0.0	0.0	0.0	-150.2	302.4	302.3	6.0
1.0	15.0	4.0	0.0	0.0	-147.6	306.8	305.2	10.9
1.0	15.0	4.0	0.0	0.0	-119.1	249.8	248.3	9.2
1.0	15.0	2.0	0.0	0.0	-74.7	160.8	159.3	1.0
1.0	15.0	0.0	1.0	0.0	-141.4	284.9	284.8	8.4
1.0	15.0	0.0	2.0	0.0	-119.5	250.6	249.1	4.4
1.0	15.0	0.0	2.0	0.0	-103.2	217.9	216.3	2.0
1.0	15.0	2.0	0.0	0.0	-131.0	273.5	272.0	27.3
1.0	15.0	0.0	2.0	0.0	-152.1	315.7	314.1	7.0
1.0	15.0	0.0	4.0	0.0	-115.6	242.8	241.3	3.2
0.8	15.0	4.0	0.0	0.0	-127.9	275.8	271.8	4.3
1.0	15.0	4.0	0.0	0.0	-116.9	245.3	243.7	3.1
1.0	15.0	0.0	0.0	0.0	-120.7	243.4	243.3	4.4
1.0	15.0	0.0	0.0	0.0	-125.6	253.4	253.3	4.4
1.0	15.0	2.0	0.0	0.0	-176.8	365.2	363.6	13.4
1.0	15.0	1.0	0.0	0.0	-134.2	280.0	278.5	9.8
1.0	15.0	0.0	0.0	0.0	-150.2	302.5	302.4	6.6
1.0	15.0	0.0	1.0	0.0	-109.1	229.8	228.3	2.5
1.0	15.0	3.0	0.0	0.0	-131.9	275.3	273.8	4.5
1.0	15.0	2.0	0.0	0.0	-128.3	268.2	266.7	4.1
1.0	15.0	0.0	1.0	0.0	-138.1	287.8	286.2	5.6
1.0	15.0	0.0	2.0	0.0	-117.8	247.2	245.7	3.3
1.0	15.0	2.0	1.0	0.0	-129.9	279.8	275.8	4.3
1.0	15.0	3.0	0.0	0.0	-144.5	300.5	299.0	10.0
1.0	15.0	0.0	2.0	0.0	-137.7	286.9	285.3	6.3
1.0	15.0	0.0	2.0	0.0	-138.2	287.9	286.3	5.2
1.0	15.0	2.0	1.0	0.0	-173.0	366.1	362.1	22.7
1.0	15.0	2.0	0.0	0.0	-142.2	304.4	300.4	11.5
1.0	15.0	0.0	2.0	0.0	-167.8	347.2	345.7	11.7
1.0	15.0	0.0	1.0	0.0	-142.0	295.6	294.0	5.6
1.0	15.0	0.0	1.0	0.0	-115.7	233.6	233.5	5.7
0.9	15.0	1.0	0.0	0.0	-114.6	240.8	239.3	18.3
1.0	15.0	0.0	1.0	0.0	-188.1	387.8	386.2	15.5



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-127.6	266.8	265.2	6.7
1.0	15.0	0.0	0.0	0.0	-69.1	140.2	140.1	1.0
1.0	15.0	1.0	0.0	0.0	-85.2	181.9	180.4	4.4
1.0	15.0	0.0	2.0	0.0	-125.3	262.2	260.7	6.9
1.0	15.0	0.0	1.0	0.0	-121.0	253.6	252.1	4.4
1.0	15.0	1.0	0.0	0.0	-85.9	174.0	173.9	6.0
1.0	15.0	1.0	0.0	0.0	-97.9	207.4	205.8	10.2
1.0	15.0	0.0	1.0	0.0	-157.8	327.1	325.6	11.1
1.0	15.0	0.0	1.0	0.0	-126.3	264.3	262.7	4.3
1.0	15.0	0.0	0.0	0.0	-76.8	155.7	155.6	1.5
1.0	15.0	1.0	0.0	0.0	-63.3	138.1	136.6	0.6
1.0	15.0	0.0	1.0	0.0	-146.7	305.0	303.4	9.0
1.0	15.0	0.0	1.0	0.0	-121.4	254.4	252.8	3.8
1.0	15.0	0.0	1.0	0.0	-108.3	228.1	226.5	2.2
1.0	15.0	1.0	0.0	0.0	-108.3	228.1	226.6	3.8
1.0	15.0	0.0	1.0	0.0	-176.5	364.5	363.0	11.3
1.0	15.0	0.0	4.0	0.0	-112.5	236.6	235.1	2.7
0.5	15.0	5.0	0.0	0.0	-169.0	358.0	354.0	15.2
0.8	15.0	5.0	0.0	0.0	-132.1	275.7	274.2	5.5
1.0	15.0	0.0	0.0	0.0	-152.7	307.6	307.5	7.6
0.9	15.0	0.0	3.0	0.0	-253.0	516.8	516.1	4.0
0.9	15.0	6.0	0.0	0.0	-346.4	703.5	702.8	12.9
1.0	15.0	5.0	0.0	0.0	-289.2	589.1	588.4	6.6
1.0	15.0	0.0	0.0	0.0	-330.2	662.5	662.4	9.7
1.0	15.0	0.0	2.0	0.0	-120.6	252.7	251.2	3.5
0.6	15.0	3.0	0.0	0.0	-156.5	332.9	328.9	9.1
1.0	15.0	3.0	0.0	0.0	-124.7	261.0	259.4	5.8
1.0	15.0	0.0	0.0	0.0	-147.5	297.1	297.0	6.5
1.0	15.0	0.0	0.0	0.0	-138.2	278.5	278.4	6.4
1.0	15.0	2.0	0.0	0.0	-194.7	400.9	399.3	38.7
1.0	15.0	1.0	0.0	0.0	-151.6	314.7	313.2	19.6
1.0	15.0	0.0	0.0	0.0	-166.4	334.8	334.7	15.4
1.0	15.0	0.0	0.0	0.0	-142.5	287.0	286.9	5.8
0.6	15.0	2.0	0.0	0.0	-168.6	357.2	353.2	11.3
0.7	15.0	2.0	0.0	0.0	-158.1	336.2	332.2	9.2
1.0	15.0	0.0	0.0	0.0	-134.6	271.3	271.2	4.9
1.0	15.0	0.0	2.0	0.0	-127.8	267.2	265.7	8.0
1.0	15.0	2.0	2.0	0.0	-186.3	392.7	388.7	27.5
1.0	15.0	2.0	2.0	0.0	-140.1	300.1	296.1	8.9
1.0	15.0	0.0	2.0	0.0	-143.2	298.0	296.5	7.6
1.0	15.0	0.0	1.0	0.0	-143.6	298.8	297.2	6.6
1.0	15.0	0.0	1.0	0.0	-130.6	263.2	263.1	7.3
1.0	15.0	1.0	1.0	0.0	-130.0	271.5	270.0	6.6
1.0	15.0	0.0	1.0	0.0	-159.1	329.8	328.3	7.6
1.0	15.0	0.0	2.0	0.0	-115.6	242.8	241.3	3.4
1.0	15.0	0.0	0.0	0.0	-75.4	153.0	152.9	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-75.9	163.3	161.8	2.3
0.9	15.0	1.0	2.0	0.0	-152.1	315.7	314.1	17.9
1.0	15.0	0.0	2.0	0.0	-123.6	258.7	257.1	3.9
1.0	15.0	0.0	0.0	0.0	-117.1	236.2	236.1	8.4
1.0	15.0	1.0	0.0	0.0	-116.0	243.5	241.9	9.7
1.0	15.0	0.0	2.0	0.0	-159.0	329.6	328.1	7.6
1.0	15.0	0.0	1.0	0.0	-130.2	272.0	270.5	4.1
1.0	15.0	0.0	0.0	0.0	-77.4	156.9	156.9	2.0
1.0	15.0	1.0	0.0	0.0	-70.7	152.9	151.4	1.7
1.0	15.0	0.0	1.0	0.0	-139.9	291.4	289.8	7.4
1.0	15.0	0.0	3.0	0.0	-130.9	273.4	271.9	4.9
1.0	15.0	0.0	2.0	0.0	-107.2	225.8	224.3	2.5
1.0	15.0	3.0	0.0	0.0	-120.4	252.3	250.7	5.8
1.0	15.0	0.0	3.0	0.0	-164.3	340.1	338.6	11.7
1.0	15.0	0.0	1.0	0.0	-109.9	231.3	229.7	2.6
1.0	15.0	0.0	0.0	0.0	-108.0	218.2	218.1	4.2
1.0	15.0	1.0	0.0	0.0	-110.2	231.9	230.4	20.6
1.0	15.0	0.0	2.0	0.0	-159.0	329.5	328.0	7.5
1.0	15.0	0.0	1.0	0.0	-116.4	244.4	242.9	3.6
1.0	15.0	1.0	0.0	0.0	-144.8	301.1	299.6	6.5
1.0	15.0	1.0	0.0	0.0	-141.9	295.4	293.8	7.7
1.0	15.0	0.0	0.0	0.0	-159.0	320.1	320.0	7.5
1.0	15.0	0.0	2.0	0.0	-121.3	254.2	252.7	3.9
1.0	15.0	0.0	0.0	0.0	-145.5	293.1	293.0	6.3
1.0	15.0	2.0	0.0	0.0	-118.0	247.6	246.0	3.7
1.0	15.0	0.0	2.0	0.0	-119.0	249.6	248.0	4.0
1.0	15.0	0.0	1.0	0.0	-112.6	236.8	235.3	3.5
1.0	15.0	0.0	0.0	0.0	-64.3	130.7	130.7	1.2
1.0	15.0	1.0	0.0	0.0	-75.8	163.1	161.6	2.6
1.0	15.0	0.0	3.0	0.0	-153.9	319.4	317.8	9.3
1.0	15.0	0.0	2.0	0.0	-123.3	258.2	256.6	4.8
1.0	15.0	3.0	0.0	0.0	-171.6	354.8	353.2	24.7
0.9	15.0	3.0	0.0	0.0	-123.8	259.3	257.7	8.8
1.0	15.0	0.0	0.0	0.0	-166.9	335.9	335.9	9.2
1.0	15.0	0.0	1.0	0.0	-137.1	285.8	284.3	5.5
1.0	15.0	2.0	1.0	0.0	-152.4	324.8	320.8	11.3
1.0	15.0	0.0	0.0	0.0	-133.5	269.1	269.1	7.6
1.0	15.0	0.0	2.0	0.0	-151.6	314.7	313.1	7.7
1.0	15.0	0.0	2.0	0.0	-253.5	517.7	517.0	6.8
0.5	15.0	1.0	1.0	0.0	-295.3	601.3	600.6	7.7
0.9	15.0	2.0	0.0	0.0	-269.8	550.3	549.5	6.8
1.0	15.0	0.0	1.0	0.0	-272.0	554.7	554.0	11.3
1.0	15.0	0.0	3.0	0.0	-114.3	240.2	238.6	2.8
1.0	15.0	2.0	0.0	0.0	-113.1	237.8	236.3	3.2
1.0	15.0	2.0	0.0	0.0	-109.0	229.5	228.0	3.4
1.0	15.0	0.0	0.0	0.0	-165.6	333.3	333.2	8.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-139.5	290.5	289.0	5.1
1.0	15.0	3.0	0.0	0.0	-166.6	344.8	343.2	12.4
1.0	15.0	2.0	0.0	0.0	-153.4	318.3	316.7	7.8
1.0	15.0	0.0	0.0	0.0	-133.2	268.6	268.5	4.8
1.0	15.0	0.0	0.0	0.0	-159.7	321.5	321.4	7.8
1.0	15.0	5.0	0.0	0.0	-150.1	320.2	316.2	8.8
1.0	15.0	5.0	0.0	0.0	-130.9	281.8	277.8	5.6
1.0	15.0	0.0	0.0	0.0	-183.6	369.4	369.3	12.8
1.0	15.0	0.0	3.0	0.0	-126.9	265.3	263.8	4.0
0.7	15.0	4.0	0.0	0.0	-157.0	334.0	330.0	9.9
0.9	15.0	4.0	0.0	0.0	-128.6	268.8	267.2	5.5
1.0	15.0	0.0	0.0	0.0	-139.7	281.4	281.3	5.3
1.0	15.0	3.0	0.0	0.0	-125.6	262.8	261.3	4.0
1.0	15.0	1.0	1.0	0.0	-184.1	388.2	384.2	29.8
1.0	15.0	0.0	1.0	0.0	-152.8	317.1	315.5	15.7
1.0	15.0	0.0	3.0	0.0	-190.3	382.8	382.7	14.3
0.5	15.0	0.0	4.0	0.0	-135.4	290.8	286.8	5.8
0.5	15.0	2.0	0.0	0.0	-118.5	257.1	253.1	3.9
0.5	15.0	4.0	0.0	0.0	-108.3	236.6	232.6	2.5
1.0	15.0	0.0	6.0	0.0	-139.7	290.9	289.3	6.0
1.0	15.0	0.0	3.0	0.0	-126.5	264.6	263.0	7.6
1.0	15.0	0.0	0.0	0.0	-64.9	131.8	131.7	1.0
1.0	15.0	3.0	0.0	0.0	-117.2	245.9	244.3	14.7
1.0	15.0	0.0	3.0	0.0	-149.6	310.7	309.2	9.1
1.0	15.0	0.0	2.0	0.0	-125.4	262.3	260.8	5.7
1.0	15.0	2.0	2.0	0.0	-185.0	390.0	386.0	22.8
1.0	15.0	1.0	0.0	0.0	-157.0	333.9	329.9	13.6
1.0	15.0	0.0	2.0	0.0	-138.4	288.4	286.9	7.5
1.0	15.0	0.0	0.0	0.0	-117.3	236.7	236.6	3.2
0.9	15.0	2.0	0.0	0.0	-94.8	201.1	199.5	3.3
1.0	15.0	2.0	0.0	0.0	-77.4	166.3	164.7	1.7
1.0	15.0	0.0	0.0	0.0	-141.1	284.2	284.1	6.8
1.0	15.0	0.0	0.0	0.0	-127.4	256.8	256.7	5.0
1.0	15.0	2.0	0.0	0.0	-160.1	331.8	330.3	10.5
1.0	15.0	2.0	0.0	0.0	-137.9	287.3	285.8	6.3
1.0	15.0	0.0	0.0	0.0	-145.5	293.0	292.9	6.5
1.0	15.0	0.0	0.0	0.0	-122.4	247.0	246.9	4.5
1.0	15.0	3.0	0.0	0.0	-150.4	312.3	310.8	10.4
1.0	15.0	2.0	0.0	0.0	-137.6	286.8	285.2	9.0
1.0	15.0	0.0	0.0	0.0	-165.7	333.5	333.4	9.5
1.0	15.0	0.0	2.0	0.0	-121.0	253.5	252.0	3.6
1.0	15.0	2.0	0.0	0.0	-129.4	270.3	268.7	4.2
1.0	15.0	2.0	0.0	0.0	-124.9	261.3	259.7	4.2
1.0	15.0	0.0	0.0	0.0	-125.0	252.0	251.9	5.0
1.0	15.0	0.0	1.0	0.0	-125.7	262.9	261.4	5.0
0.8	15.0	1.0	1.0	0.0	-155.1	321.7	320.2	7.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-144.7	301.0	299.4	6.0
1.0	15.0	0.0	1.0	0.0	-144.3	300.1	298.6	6.3
1.0	15.0	0.0	2.0	0.0	-143.2	298.0	296.4	6.2
1.0	15.0	0.0	2.0	0.0	-115.5	242.5	240.9	3.2
1.0	15.0	2.0	0.0	0.0	-126.0	263.4	261.9	10.6
1.0	15.0	0.0	4.0	0.0	-155.6	322.8	321.2	8.0
1.0	15.0	0.0	2.0	0.0	-109.4	230.3	228.8	2.9
1.0	15.0	0.0	0.0	0.0	-82.7	167.5	167.4	3.8
1.0	15.0	1.0	0.0	0.0	-91.3	194.2	192.6	8.3
1.0	15.0	0.0	2.0	0.0	-109.3	230.2	228.6	3.4
1.0	15.0	0.0	2.0	0.0	-135.5	282.5	280.9	5.4
1.0	15.0	0.0	0.0	0.0	-86.6	175.4	175.3	2.0
1.0	15.0	1.0	0.0	0.0	-106.8	225.1	223.6	6.3
1.0	15.0	0.0	2.0	0.0	-148.3	308.2	306.7	7.4
1.0	15.0	0.0	2.0	0.0	-133.2	277.8	276.3	7.1
1.0	15.0	0.0	0.0	0.0	-78.2	158.5	158.4	1.7
1.0	15.0	2.0	0.0	0.0	-72.5	156.5	154.9	1.5
1.0	15.0	0.0	4.0	0.0	-177.9	367.3	365.7	14.8
1.0	15.0	0.0	2.0	0.0	-117.1	245.7	244.2	3.4
0.9	15.0	0.0	2.0	0.0	-101.8	215.2	213.7	1.8
1.0	15.0	2.0	0.0	0.0	-105.5	222.5	221.0	2.9
1.0	15.0	0.0	2.0	0.0	-150.1	311.7	310.1	6.9
1.0	15.0	0.0	2.0	0.0	-122.7	257.0	255.5	3.6
1.0	15.0	0.0	1.0	0.0	-177.9	367.4	365.8	20.9
0.9	15.0	2.0	1.0	0.0	-139.8	291.2	289.6	12.6
1.0	15.0	0.0	0.0	0.0	-137.7	277.6	277.5	5.0
1.0	15.0	0.0	2.0	0.0	-125.8	263.2	261.6	4.2
1.0	15.0	0.0	3.0	0.0	-100.8	213.0	211.5	1.7
1.0	15.0	1.0	0.0	0.0	-102.9	217.4	215.8	3.2
1.0	15.0	0.0	0.0	0.0	-151.4	304.8	304.7	7.1
1.0	15.0	0.0	3.0	0.0	-128.4	268.3	266.8	4.9
1.0	15.0	0.0	3.0	0.0	-102.6	216.8	215.2	1.8
1.0	15.0	1.0	0.0	0.0	-108.6	228.7	227.1	6.8
1.0	15.0	0.0	0.0	0.0	-155.1	312.3	312.2	8.0
1.0	15.0	0.0	1.0	0.0	-114.8	241.1	239.6	2.8
1.0	15.0	0.0	0.0	0.0	-108.1	218.3	218.2	2.7
0.6	15.0	1.0	0.0	0.0	-102.0	215.4	213.9	1.7
1.0	15.0	0.0	0.0	0.0	-166.8	335.7	335.7	9.1
1.0	15.0	0.0	0.0	0.0	-132.6	267.4	267.3	5.5
1.0	15.0	3.0	0.0	0.0	-161.7	335.0	333.5	13.4
1.0	15.0	2.0	0.0	0.0	-116.6	244.7	243.2	3.5
1.0	15.0	0.0	0.0	0.0	-167.6	337.3	337.2	10.1
1.0	15.0	0.0	0.0	0.0	-124.4	251.0	250.9	3.9
1.0	15.0	1.0	0.0	0.0	-108.3	228.2	226.7	2.3
1.0	15.0	1.0	0.0	0.0	-97.6	206.8	205.3	1.2
1.0	15.0	0.0	0.0	0.0	-153.1	308.4	308.3	6.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-155.2	321.9	320.3	9.6
0.7	15.0	1.0	1.0	0.0	-165.6	351.5	347.3	16.1
1.0	15.0	3.0	0.0	0.0	-180.6	372.7	371.1	19.3
1.0	15.0	0.0	3.0	0.0	-161.4	334.3	332.8	8.9
1.0	15.0	0.0	2.0	0.0	-126.4	264.3	262.8	4.3
1.0	15.0	0.0	2.0	0.0	-191.9	395.3	393.8	24.6
0.6	15.0	1.0	0.0	0.0	-161.2	342.5	338.5	13.6
1.0	15.0	0.0	2.0	0.0	-166.3	344.1	342.5	11.3
1.0	15.0	0.0	3.0	0.0	-146.7	304.9	303.4	7.1
1.0	15.0	0.0	1.0	0.0	-124.2	259.9	258.4	4.2
1.0	15.0	1.0	0.0	0.0	-144.0	299.6	298.1	10.4
1.0	15.0	0.0	1.0	0.0	-178.7	368.9	367.4	12.0
1.0	15.0	0.0	1.0	0.0	-143.7	299.0	297.4	5.7
1.0	15.0	0.0	1.0	0.0	-82.5	176.6	175.0	1.2
1.0	15.0	1.0	0.0	0.0	-75.2	161.9	160.4	1.5
1.0	15.0	0.0	2.0	0.0	-158.9	329.3	327.7	12.3
1.0	15.0	0.0	2.0	0.0	-144.3	300.1	298.6	9.0
0.6	15.0	0.0	1.0	0.0	-105.1	221.8	220.2	3.0
1.0	15.0	2.0	0.0	0.0	-123.9	259.4	257.9	22.0
1.0	15.0	0.0	2.0	0.0	-187.9	387.4	385.8	15.2
1.0	15.0	0.0	2.0	0.0	-146.6	304.8	303.3	8.9
1.0	15.0	0.0	0.0	0.0	-86.4	174.8	174.7	2.9
1.0	15.0	2.0	0.0	0.0	-74.6	160.7	159.1	1.5
1.0	15.0	0.0	1.0	0.0	-157.7	327.1	325.5	9.8
1.0	15.0	0.0	3.0	0.0	-135.0	281.5	279.9	12.8
1.0	15.0	0.0	2.0	0.0	-108.6	228.7	227.2	5.3
1.0	15.0	2.0	0.0	0.0	-119.7	250.9	249.3	23.1
1.0	15.0	0.0	2.0	0.0	-135.1	281.6	280.1	14.4
1.0	15.0	1.0	4.0	0.0	-158.2	336.4	332.4	9.8
0.9	15.0	5.0	0.0	0.0	-197.4	414.9	410.9	26.3
1.0	15.0	4.0	0.0	0.0	-167.0	353.9	349.9	23.9
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	5.8
1.0	15.0	0.0	0.0	0.0	-156.5	315.2	315.1	8.4
0.9	15.0	2.0	0.0	0.0	-156.9	325.3	323.7	9.0
1.0	15.0	1.0	0.0	0.0	-132.0	275.5	274.0	5.8
1.0	15.0	0.0	0.0	0.0	-168.5	339.2	339.1	10.6
1.0	15.0	0.0	0.0	0.0	-131.6	265.2	265.1	4.3
1.0	15.0	1.0	0.0	0.0	-125.8	271.6	267.6	6.1
1.0	15.0	2.0	0.0	0.0	-114.7	249.3	245.3	3.9
1.0	15.0	0.0	0.0	0.0	-153.6	309.4	309.3	6.9
1.0	15.0	0.0	0.0	0.0	-151.0	304.2	304.1	6.6
1.0	15.0	4.0	0.0	0.0	-155.7	322.9	321.4	8.0
1.0	15.0	6.0	0.0	0.0	-153.5	318.6	317.0	7.5
1.0	15.0	0.0	0.0	0.0	-154.6	311.2	311.1	7.5
1.0	15.0	0.0	0.0	0.0	-147.7	297.5	297.4	7.3
1.0	15.0	2.0	0.0	0.0	-156.9	333.7	329.7	8.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	2.0	0.0	0.0	-142.2	304.3	300.3	7.1
1.0	15.0	0.0	0.0	0.0	-179.0	360.1	360.0	15.4
1.0	15.0	0.0	1.0	0.0	-124.4	260.3	258.7	3.6
1.0	15.0	3.0	0.0	0.0	-123.6	267.2	263.2	6.7
1.0	15.0	3.0	0.0	0.0	-127.6	275.2	271.2	6.4
1.0	15.0	0.0	0.0	0.0	-148.8	299.8	299.7	6.1
1.0	15.0	0.0	3.0	0.0	-131.3	274.2	272.7	4.4
1.0	15.0	0.0	2.0	0.0	-105.2	221.9	220.4	4.8
1.0	15.0	1.0	0.0	0.0	-130.4	272.3	270.7	20.0
1.0	15.0	0.0	1.0	0.0	-139.0	289.6	288.1	5.6
0.8	15.0	0.0	3.0	0.0	-133.1	286.4	282.1	9.2
1.0	15.0	4.0	0.0	0.0	-138.6	288.9	287.3	9.0
0.9	15.0	4.0	0.0	0.0	-142.6	305.3	301.1	15.6
1.0	15.0	0.0	3.0	0.0	-154.8	321.1	319.5	10.5
0.9	15.0	0.0	5.0	0.0	-132.8	277.1	275.6	4.4
1.0	15.0	0.0	3.0	0.0	-194.7	401.0	399.5	27.7
1.0	15.0	2.0	0.0	0.0	-134.2	288.3	284.3	7.3
1.0	15.0	0.0	5.0	0.0	-154.2	319.9	318.3	7.5
1.0	15.0	0.0	1.0	0.0	-137.2	285.9	284.4	6.2
1.0	15.0	1.0	1.0	0.0	-115.4	242.6	240.9	4.7
0.7	15.0	1.0	0.0	0.0	-133.4	278.5	276.9	13.8
1.0	15.0	0.0	1.0	0.0	-163.4	338.3	336.7	9.1
1.0	15.0	0.0	3.0	0.0	-121.3	254.1	252.6	6.0
1.0	15.0	0.0	0.0	0.0	-70.5	143.1	143.0	1.1
1.0	15.0	2.0	0.0	0.0	-94.4	200.4	198.9	5.8
1.0	15.0	1.0	3.0	0.0	-178.3	368.0	366.5	13.7
1.0	15.0	0.0	3.0	0.0	-114.5	248.9	244.9	3.5
1.0	15.0	0.0	0.0	0.0	-78.6	159.4	159.3	1.5
1.0	15.0	2.0	0.0	0.0	-97.9	215.9	211.9	2.1
1.0	15.0	0.0	2.0	0.0	-174.1	359.8	358.2	12.8
1.0	15.0	0.0	2.0	0.0	-134.9	281.4	279.9	5.9
1.0	15.0	0.0	0.0	0.0	-66.4	134.9	134.8	1.3
1.0	15.0	1.0	0.0	0.0	-69.3	150.1	148.5	1.0
1.0	15.0	0.0	1.0	0.0	-137.1	285.8	284.2	6.5
1.0	15.0	0.0	3.0	0.0	-115.6	242.8	241.3	3.5
1.0	15.0	0.0	3.0	0.0	-107.8	227.0	225.5	2.2
1.0	15.0	3.0	0.0	0.0	-112.7	236.9	235.4	4.5
1.0	15.0	0.0	3.0	0.0	-153.6	318.7	317.2	6.8
1.0	15.0	0.0	5.0	0.0	-135.3	282.0	280.5	5.6
1.0	15.0	5.0	0.0	0.0	-161.2	333.9	332.4	11.8
0.5	15.0	5.0	0.0	0.0	-142.0	304.1	300.1	6.6
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	7.3
1.0	15.0	0.0	0.0	0.0	-100.3	202.7	202.6	2.2
1.0	15.0	1.0	0.0	0.0	-162.7	336.9	335.4	12.1
1.0	15.0	0.0	0.0	0.0	-150.4	302.8	302.7	7.8
1.0	15.0	0.0	0.0	0.0	-137.6	277.2	277.1	5.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-137.9	277.9	277.8	5.7
1.0	15.0	2.0	0.0	0.0	-118.7	249.0	247.5	7.4
1.0	15.0	2.0	0.0	0.0	-104.3	220.2	218.6	4.4
1.0	15.0	0.0	1.0	0.0	-174.0	350.1	350.0	12.0
1.0	15.0	0.0	0.0	0.0	-114.8	231.7	231.6	3.0
0.7	15.0	3.0	0.0	0.0	-164.4	348.7	344.7	16.5
1.0	15.0	3.0	0.0	0.0	-142.4	296.3	294.8	8.1
1.0	15.0	0.0	0.0	0.0	-144.6	291.3	291.2	6.9
0.8	15.0	0.0	2.0	0.0	-141.4	285.0	284.9	6.3
1.0	15.0	3.0	0.0	0.0	-160.7	333.0	331.5	23.1
1.0	15.0	3.0	0.0	0.0	-152.0	315.6	314.1	17.5
1.0	15.0	0.0	1.0	0.0	-158.3	318.6	318.5	8.7
1.0	15.0	1.0	0.0	0.0	-168.7	349.0	347.5	10.3
1.0	15.0	7.0	0.0	0.0	-208.7	429.0	427.5	116.5
1.0	15.0	7.0	0.0	0.0	-138.0	287.5	285.9	7.2
1.0	15.0	0.0	0.0	0.0	-131.8	265.7	265.6	4.7
1.0	15.0	1.0	0.0	0.0	-129.3	270.2	268.6	4.8
1.0	15.0	3.0	0.0	0.0	-161.1	333.7	332.1	62.8
1.0	15.0	3.0	0.0	0.0	-147.1	305.7	304.2	25.6
1.0	15.0	0.0	0.0	0.0	-156.7	315.6	315.5	8.1
1.0	15.0	2.0	0.0	0.0	-114.3	240.1	238.5	3.8
1.0	15.0	3.0	0.0	0.0	-132.7	277.0	275.4	44.9
1.0	15.0	2.0	0.0	0.0	-117.8	247.1	245.5	20.0
1.0	15.0	0.0	2.0	0.0	-133.1	277.7	276.2	7.5
1.0	15.0	0.0	0.0	0.0	-124.8	251.7	251.6	4.1
0.9	15.0	1.0	0.0	0.0	-123.4	258.4	256.9	11.1
1.0	15.0	1.0	0.0	0.0	-109.5	230.5	229.0	6.5
1.0	15.0	0.0	0.0	0.0	-152.7	307.5	307.4	7.6
1.0	15.0	1.0	0.0	0.0	-149.6	310.8	309.2	6.8
1.0	15.0	2.0	0.0	0.0	-114.2	239.9	238.3	13.8
1.0	15.0	1.0	0.0	0.0	-82.1	175.7	174.2	2.2
1.0	15.0	0.0	0.0	0.0	-135.9	273.9	273.8	7.5
1.0	15.0	1.0	0.0	0.0	-110.9	233.2	231.7	2.9
1.0	15.0	1.0	0.0	0.0	-126.0	263.5	261.9	16.9
1.0	15.0	1.0	0.0	0.0	-119.7	250.9	249.4	9.1
1.0	15.0	0.0	0.0	0.0	-143.9	289.9	289.8	6.7
1.0	15.0	0.0	0.0	0.0	-131.8	265.8	265.7	5.1
1.0	15.0	3.0	0.0	0.0	-153.8	319.2	317.6	30.3
1.0	15.0	3.0	0.0	0.0	-156.3	324.1	322.5	19.4
1.0	15.0	0.0	2.0	0.0	-143.8	299.2	297.7	5.8
1.0	15.0	0.0	5.0	0.0	-124.4	268.8	264.8	12.7
1.0	15.0	7.0	0.0	0.0	-189.1	398.2	394.2	86.7
1.0	15.0	6.0	0.0	0.0	-162.0	344.1	340.1	19.9
1.0	15.0	0.0	0.0	0.0	-149.5	301.1	301.0	6.4
1.0	15.0	1.0	0.0	0.0	-141.5	294.6	293.0	8.9
1.0	15.0	3.0	0.0	0.0	-164.4	340.3	338.8	38.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-145.0	301.6	300.0	26.9
1.0	15.0	0.0	0.0	0.0	-175.4	352.9	352.8	11.6
1.0	15.0	2.0	0.0	0.0	-113.9	239.4	237.8	2.6
1.0	15.0	3.0	0.0	0.0	-100.1	211.7	210.2	3.7
1.0	15.0	2.0	0.0	0.0	-87.2	186.0	184.4	4.1
1.0	15.0	0.0	2.0	0.0	-121.1	253.8	252.3	4.8
1.0	15.0	1.0	0.0	0.0	-123.0	257.5	256.0	6.5
1.0	15.0	3.0	0.0	0.0	-109.2	229.9	228.3	20.2
1.0	15.0	2.0	0.0	0.0	-80.8	173.1	171.6	4.3
1.0	15.0	0.0	0.0	0.0	-145.5	293.1	293.0	7.1
1.0	15.0	1.0	0.0	0.0	-118.1	247.7	246.2	3.6
1.0	15.0	2.0	0.0	0.0	-140.9	293.3	291.7	15.1
1.0	15.0	2.0	0.0	0.0	-117.9	247.3	245.7	4.8
1.0	15.0	0.0	0.0	0.0	-152.0	306.1	306.0	7.3
1.0	15.0	0.0	0.0	0.0	-149.8	301.7	301.6	6.6
1.0	15.0	4.0	0.0	0.0	-190.8	393.2	391.7	27.5
0.9	15.0	3.0	0.0	0.0	-154.6	320.7	319.2	14.5
1.0	15.0	0.0	2.0	0.0	-156.1	332.2	328.2	10.8
0.9	15.0	1.0	2.0	0.0	-173.4	358.3	356.8	14.2
0.7	15.0	2.0	0.0	0.0	-119.8	251.1	249.5	5.1
1.0	15.0	3.0	0.0	0.0	-147.2	306.0	304.5	15.8
1.0	15.0	0.0	2.0	0.0	-195.0	401.5	400.0	28.1
1.0	15.0	0.0	4.0	0.0	-133.7	278.9	277.4	6.1
1.0	15.0	1.0	0.0	0.0	-133.0	286.0	282.0	11.7
0.9	15.0	5.0	0.0	0.0	-132.8	285.7	281.7	7.7
1.0	15.0	0.0	4.0	0.0	-160.4	332.4	330.8	14.5
0.8	15.0	0.0	4.0	0.0	-129.2	269.9	268.4	4.2
1.0	15.0	0.0	0.0	0.0	-69.1	140.3	140.2	1.1
0.9	15.0	3.0	0.0	0.0	-63.6	138.7	137.2	0.5
1.0	15.0	0.0	2.0	0.0	-176.6	364.8	363.3	13.5
1.0	15.0	0.0	2.0	0.0	-132.2	275.9	274.4	7.0
1.0	15.0	1.0	3.0	0.0	-138.7	297.4	293.4	9.9
1.0	15.0	2.0	2.0	0.0	-154.2	319.9	318.4	12.8
1.0	15.0	0.0	2.0	0.0	-144.3	300.2	298.6	12.6
1.0	15.0	0.0	0.0	0.0	-152.1	306.2	306.2	11.7
1.0	15.0	3.0	2.0	0.0	-210.6	432.8	431.3	66.5
0.9	15.0	1.0	2.0	0.0	-194.5	400.6	399.1	33.4
1.0	15.0	0.0	5.0	0.0	-181.1	373.7	372.1	19.7
1.0	15.0	0.0	3.0	0.0	-150.0	311.6	310.0	7.8
0.6	15.0	2.0	0.0	0.0	-123.5	267.1	263.1	8.0
1.0	15.0	4.0	0.0	0.0	-135.6	282.8	281.3	8.1
1.0	15.0	0.0	2.0	0.0	-188.4	388.4	386.8	16.7
1.0	15.0	0.0	2.0	0.0	-121.5	254.5	252.9	3.9
1.0	15.0	0.0	2.0	0.0	-136.1	283.8	282.2	4.9
1.0	15.0	2.0	0.0	0.0	-125.5	262.5	261.0	4.9
0.9	15.0	0.0	2.0	0.0	-135.6	282.7	281.2	5.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-127.3	266.2	264.7	9.0
1.0	15.0	3.0	2.0	0.0	-192.5	405.1	401.0	46.6
0.5	15.0	2.0	0.0	0.0	-155.3	330.8	326.7	18.3
1.0	15.0	0.0	2.0	0.0	-155.1	321.7	320.1	13.6
1.0	15.0	0.0	1.0	0.0	-139.6	290.7	289.2	5.7
0.9	15.0	0.0	1.0	0.0	-123.9	259.4	257.8	24.2
1.0	15.0	1.0	0.0	0.0	-122.6	256.7	255.1	18.3
1.0	15.0	0.0	1.0	0.0	-155.5	322.5	321.0	8.9
0.9	15.0	0.0	2.0	0.0	-111.8	235.1	233.5	2.7
1.0	15.0	0.0	0.0	0.0	-72.4	146.9	146.8	1.3
1.0	15.0	2.0	0.0	0.0	-89.7	190.9	189.4	4.6
1.0	15.0	0.0	2.0	0.0	-109.6	239.1	235.1	3.2
1.0	15.0	0.0	1.0	0.0	-114.6	240.8	239.3	3.4
1.0	15.0	0.0	0.0	0.0	-70.1	142.3	142.3	1.5
1.0	15.0	1.0	0.0	0.0	-102.9	217.4	215.9	4.4
1.0	15.0	0.0	2.0	0.0	-150.1	311.7	310.1	7.6
1.0	15.0	0.0	1.0	0.0	-132.4	276.3	274.8	5.5
1.0	15.0	0.0	0.0	0.0	-65.6	133.2	133.1	1.3
1.0	15.0	1.0	0.0	0.0	-67.3	146.2	144.6	0.9
1.0	15.0	0.0	1.0	0.0	-126.2	263.9	262.4	6.2
1.0	15.0	0.0	1.0	0.0	-121.7	255.0	253.5	4.1
1.0	15.0	0.0	1.0	0.0	-101.7	214.9	213.3	1.7
1.0	15.0	1.0	0.0	0.0	-102.8	217.2	215.6	2.2
1.0	15.0	0.0	1.0	0.0	-146.3	304.2	302.6	6.9
0.7	15.0	0.0	1.0	0.0	-149.5	301.2	301.1	12.3
0.6	15.0	2.0	1.0	0.0	-202.2	424.5	420.5	24.5
1.0	15.0	1.0	0.0	0.0	-151.8	305.7	305.7	12.8
0.9	15.0	0.0	1.0	0.0	-163.9	339.3	337.7	16.0
1.0	15.0	0.0	1.0	0.0	-143.8	299.2	297.6	5.7
1.0	15.0	0.0	0.0	0.0	-66.1	134.4	134.3	1.0
0.9	15.0	1.0	0.0	0.0	-112.0	235.6	234.1	7.6
1.0	15.0	0.0	1.0	0.0	-171.5	354.6	353.1	13.2
1.0	15.0	0.0	1.0	0.0	-144.5	300.6	299.0	6.2
1.0	15.0	0.0	1.0	0.0	-105.7	213.4	213.3	4.7
1.0	15.0	1.0	0.0	0.0	-126.7	265.0	263.4	12.4
1.0	15.0	0.0	1.0	0.0	-137.3	286.2	284.7	5.2
1.0	15.0	0.0	0.0	0.0	-143.9	289.9	289.8	5.6
1.0	15.0	1.0	0.0	0.0	-101.2	213.9	212.3	3.8
1.0	15.0	1.0	0.0	0.0	-112.7	237.0	235.5	2.8
1.0	15.0	0.0	0.0	0.0	-150.5	303.0	302.9	8.4
1.0	15.0	0.0	0.0	0.0	-137.0	276.1	276.0	5.0
1.0	15.0	1.0	0.0	0.0	-113.5	238.5	237.0	9.0
1.0	15.0	1.0	0.0	0.0	-107.7	226.9	225.3	4.4
1.0	15.0	0.0	0.0	0.0	-171.1	344.3	344.2	11.1
1.0	15.0	0.0	0.0	0.0	-135.8	273.8	273.7	6.4
0.9	15.0	5.0	0.0	0.0	-151.3	314.0	312.5	12.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	5.0	0.0	0.0	-130.8	281.7	277.7	8.1
1.0	15.0	0.0	0.0	0.0	-137.2	276.6	276.5	5.5
1.0	15.0	2.0	0.0	0.0	-199.8	411.2	409.6	43.0
1.0	15.0	10.0	0.0	0.0	-277.9	567.4	565.9	182.0
1.0	15.0	8.0	0.0	0.0	-187.5	386.5	385.0	18.0
1.0	15.0	0.0	0.0	0.0	-152.3	306.6	306.6	7.2
1.0	15.0	3.0	0.0	0.0	-150.4	312.3	310.8	7.0
1.0	15.0	8.0	0.0	0.0	-245.2	502.0	500.5	139.8
1.0	15.0	8.0	0.0	0.0	-205.1	421.8	420.2	45.0
1.0	15.0	0.0	0.0	0.0	-176.7	355.6	355.5	12.2
1.0	15.0	3.0	0.0	0.0	-110.1	231.7	230.1	3.1
1.0	15.0	4.0	0.0	0.0	-143.8	299.2	297.6	28.5
1.0	15.0	4.0	0.0	0.0	-127.9	267.4	265.9	12.1
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	4.6
1.0	15.0	7.0	0.0	0.0	-148.6	308.8	307.3	11.8
1.0	15.0	8.0	0.0	0.0	-259.4	530.3	528.8	158.2
1.0	15.0	8.0	0.0	0.0	-218.4	448.4	446.9	48.9
1.0	15.0	0.0	0.0	0.0	-196.9	395.9	395.8	17.5
1.0	15.0	5.0	0.0	0.0	-136.2	284.0	282.4	6.3
1.0	15.0	7.0	0.0	0.0	-156.7	324.9	323.3	16.8
1.0	15.0	6.0	0.0	0.0	-129.6	270.9	269.3	6.8
1.0	15.0	0.0	0.0	0.0	-148.7	299.4	299.3	8.7
1.0	15.0	3.0	0.0	0.0	-152.7	316.9	315.4	12.3
1.0	15.0	5.0	0.0	0.0	-236.0	483.5	481.9	121.5
1.0	15.0	5.0	0.0	0.0	-198.0	407.6	406.0	42.1
1.0	15.0	0.0	0.0	0.0	-170.5	343.1	343.0	10.0
1.0	15.0	0.0	0.0	0.0	-135.6	273.4	273.3	5.1
1.0	15.0	5.0	0.0	0.0	-158.5	328.5	327.0	9.0
1.0	15.0	3.0	0.0	0.0	-147.1	305.7	304.2	7.6
1.0	15.0	0.0	0.0	0.0	-140.5	283.1	283.0	5.9
1.0	15.0	0.0	1.0	0.0	-113.1	237.8	236.3	4.2
1.0	15.0	0.0	0.0	0.0	-141.6	285.3	285.2	8.2
0.7	15.0	1.0	0.0	0.0	-129.2	269.9	268.3	8.5
1.0	15.0	0.0	1.0	0.0	-151.5	305.2	305.1	13.0
1.0	15.0	0.0	1.0	0.0	-109.1	229.8	228.3	2.9
1.0	15.0	1.0	0.0	0.0	-137.5	286.6	285.0	5.5
1.0	15.0	1.0	0.0	0.0	-118.6	248.7	247.2	4.3
1.0	15.0	0.0	0.0	0.0	-144.8	291.6	291.5	6.8
1.0	15.0	0.0	0.0	0.0	-136.4	274.9	274.8	4.8
1.0	15.0	3.0	0.0	0.0	-171.1	353.7	352.1	12.0
1.0	15.0	3.0	0.0	0.0	-131.8	275.2	273.7	5.8
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	6.5
1.0	15.0	0.0	0.0	0.0	-150.6	303.3	303.2	6.1
0.9	15.0	2.0	0.0	0.0	-152.9	325.8	321.8	6.9
0.9	15.0	4.0	0.0	0.0	-142.3	304.7	300.7	5.7
1.0	15.0	0.0	2.0	0.0	-135.0	281.6	280.1	4.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-201.0	404.1	404.0	26.0
0.5	15.0	2.0	7.0	0.0	-226.1	472.1	468.1	38.6
0.7	15.0	0.0	4.0	0.0	-217.8	447.2	445.7	32.6
1.0	15.0	0.0	11.0	0.0	-143.3	298.2	296.7	9.8
1.0	15.0	0.0	10.0	0.0	-134.8	281.2	279.7	5.3
0.5	15.0	2.0	8.0	0.0	-152.7	325.4	321.4	18.9
1.0	15.0	4.0	0.0	0.0	-147.6	315.2	311.2	15.8
1.0	15.0	0.0	10.0	0.0	-171.4	354.3	352.8	10.7
1.0	15.0	0.0	0.0	0.0	-161.8	325.6	325.5	9.1
1.0	15.0	1.0	0.0	0.0	-119.8	259.7	255.7	5.1
0.9	15.0	1.0	5.0	0.0	-126.9	265.4	263.8	5.5
1.0	15.0	0.0	8.0	0.0	-134.8	281.1	279.5	4.7
0.6	15.0	4.0	0.0	0.0	-185.5	391.1	387.1	16.9
0.8	15.0	1.0	6.0	0.0	-218.7	457.4	453.4	30.2
0.8	15.0	1.0	7.0	0.0	-199.2	418.3	414.3	20.7
0.7	15.0	0.0	11.0	0.0	-147.9	315.8	311.8	9.6
1.0	15.0	1.0	5.0	0.0	-127.8	267.1	265.6	5.3
1.0	15.0	3.0	0.0	0.0	-130.7	281.5	277.5	5.8
1.0	15.0	3.0	0.0	0.0	-108.6	237.2	233.2	2.7
1.0	15.0	0.0	11.0	0.0	-160.4	332.3	330.8	8.5
1.0	15.0	0.0	0.0	0.0	-154.2	310.6	310.5	7.1
1.0	15.0	4.0	4.0	0.0	-162.0	343.9	339.9	12.6
1.0	15.0	3.0	4.0	0.0	-154.9	329.8	325.8	10.7
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	6.4
1.0	15.0	0.0	1.0	0.0	-147.9	307.3	305.7	8.1
0.6	15.0	2.0	4.0	0.0	-208.1	436.3	432.3	30.7
0.9	15.0	2.0	3.0	0.0	-191.4	402.8	398.8	21.3
1.0	15.0	0.0	4.0	0.0	-168.6	348.7	347.1	13.1
1.0	15.0	0.0	4.0	0.0	-141.7	295.0	293.4	5.7
1.0	15.0	0.0	0.0	0.0	-118.2	238.5	238.4	4.0
1.0	15.0	5.0	0.0	0.0	-103.1	217.7	216.1	3.1
0.6	15.0	0.0	8.0	0.0	-165.7	351.4	347.4	8.9
1.0	15.0	0.0	7.0	0.0	-136.2	292.4	288.4	5.2
1.0	15.0	6.0	3.0	0.0	-173.6	367.3	363.3	22.5
1.0	15.0	6.0	0.0	0.0	-188.8	397.6	393.6	37.6
1.0	15.0	0.0	0.0	0.0	-172.8	347.7	347.6	10.8
1.0	15.0	0.0	0.0	0.0	-130.0	262.0	261.9	5.2
1.0	15.0	2.0	0.0	0.0	-177.8	367.1	365.6	19.1
1.0	15.0	1.0	0.0	0.0	-151.3	314.2	312.7	15.8
1.0	15.0	0.0	0.0	0.0	-167.0	336.1	336.0	9.6
1.0	15.0	0.0	1.0	0.0	-112.7	237.0	235.4	3.4
0.7	15.0	3.0	0.0	0.0	-110.0	240.1	236.1	4.0
1.0	15.0	2.0	0.0	0.0	-102.5	216.6	215.0	6.3
1.0	15.0	0.0	1.0	0.0	-179.3	360.8	360.7	14.5
1.0	15.0	0.0	2.0	0.0	-113.5	238.5	237.0	3.2
1.0	15.0	2.0	1.0	0.0	-123.6	267.1	263.1	3.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-129.5	261.2	261.1	4.9
1.0	15.0	2.0	0.0	0.0	-155.6	322.7	321.1	9.7
1.0	15.0	0.0	0.0	0.0	-114.3	230.7	230.6	4.0
1.0	15.0	1.0	0.0	0.0	-159.6	330.8	329.2	24.8
1.0	15.0	1.0	0.0	0.0	-132.0	275.6	274.0	13.0
1.0	15.0	0.0	0.0	0.0	-149.5	301.2	301.1	7.3
1.0	15.0	0.0	0.0	0.0	-131.7	265.4	265.3	6.2
0.7	15.0	1.0	0.0	0.0	-170.4	360.9	356.7	14.4
0.9	15.0	2.0	0.0	0.0	-140.7	301.6	297.4	11.0
1.0	15.0	0.0	1.0	0.0	-155.4	312.9	312.8	10.2
1.0	15.0	0.0	0.0	0.0	-133.5	269.1	269.0	5.3
1.0	15.0	3.0	0.0	0.0	-168.1	347.8	346.2	11.6
1.0	15.0	3.0	0.0	0.0	-140.0	291.5	290.0	7.1
1.0	15.0	0.0	0.0	0.0	-179.4	360.8	360.7	12.9
1.0	15.0	5.0	1.0	0.0	-153.0	317.5	316.0	6.9
1.0	15.0	2.0	0.0	0.0	-130.7	273.0	271.4	7.2
1.0	15.0	1.0	0.0	0.0	-119.5	250.5	249.0	3.7
1.0	15.0	0.0	0.0	0.0	-184.8	371.6	371.5	13.8
1.0	15.0	0.0	0.0	0.0	-125.0	252.1	252.0	3.7
1.0	15.0	2.0	0.0	0.0	-108.8	229.2	227.6	3.6
1.0	15.0	3.0	0.0	0.0	-96.3	204.2	202.7	1.6
1.0	15.0	0.0	0.0	0.0	-179.2	360.6	360.5	12.7
1.0	15.0	0.0	0.0	0.0	-128.5	259.2	259.1	4.8
1.0	15.0	2.0	0.0	0.0	-159.4	330.3	328.7	11.0
1.0	15.0	2.0	0.0	0.0	-125.1	261.7	260.2	7.5
1.0	15.0	0.0	0.0	0.0	-130.5	263.1	263.0	4.0
1.0	15.0	0.0	2.0	0.0	-133.3	278.1	276.5	5.6
1.0	15.0	2.0	1.0	0.0	-147.8	315.6	311.6	9.3
1.0	15.0	2.0	0.0	0.0	-141.6	294.7	293.2	7.4
1.0	15.0	0.0	1.0	0.0	-124.1	259.8	258.3	6.0
0.9	15.0	0.0	1.0	0.0	-151.7	314.9	313.3	9.6
1.0	15.0	0.0	0.0	0.0	-119.2	240.4	240.3	4.1
0.7	15.0	1.0	0.0	0.0	-116.1	243.8	242.2	5.6
1.0	15.0	0.0	1.0	0.0	-186.7	385.0	383.4	21.2
1.0	15.0	0.0	2.0	0.0	-124.1	259.8	258.3	3.6
1.0	15.0	3.0	0.0	0.0	-158.3	328.1	326.5	9.0
1.0	15.0	2.0	0.0	0.0	-125.9	263.4	261.8	5.0
1.0	15.0	1.0	0.0	0.0	-141.5	294.6	293.1	9.6
1.0	15.0	0.0	0.0	0.0	-127.3	256.6	256.5	4.5
0.9	15.0	2.0	0.0	0.0	-159.7	330.9	329.4	8.6
1.0	15.0	2.0	0.0	0.0	-122.2	255.9	254.4	6.7
1.0	15.0	0.0	0.0	0.0	-159.3	320.7	320.7	9.3
1.0	15.0	0.0	3.0	0.0	-115.4	242.4	240.8	3.3
1.0	15.0	5.0	0.0	0.0	-163.8	339.2	337.6	9.6
1.0	15.0	5.0	0.0	0.0	-125.4	262.4	260.8	4.6
1.0	15.0	0.0	0.0	0.0	-156.9	315.8	315.7	7.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	10.0	0.0	-132.5	276.6	275.0	4.7
1.0	15.0	2.0	0.0	0.0	-118.9	249.4	247.8	10.4
1.0	15.0	2.0	0.0	0.0	-127.4	266.3	264.8	13.1
1.0	15.0	0.0	1.0	0.0	-148.2	308.0	306.5	5.8
1.0	15.0	0.0	3.0	0.0	-122.9	257.3	255.7	3.8
0.9	15.0	2.0	0.0	0.0	-134.4	280.3	278.7	4.4
1.0	15.0	3.0	0.0	0.0	-116.8	245.1	243.6	3.7
1.0	15.0	0.0	0.0	0.0	-165.4	333.0	332.9	8.9
1.0	15.0	0.0	1.0	0.0	-126.8	265.1	263.5	4.0
1.0	15.0	2.0	0.0	0.0	-133.7	278.9	277.3	8.7
1.0	15.0	1.0	0.0	0.0	-119.9	251.3	249.7	8.2
1.0	15.0	0.0	0.0	0.0	-129.0	260.1	260.0	4.7
1.0	15.0	0.0	0.0	0.0	-134.9	272.0	271.9	5.2
1.0	15.0	2.0	0.0	0.0	-159.7	330.9	329.3	8.0
1.0	15.0	2.0	0.0	0.0	-118.7	248.9	247.4	3.8
1.0	15.0	0.0	0.0	0.0	-161.8	325.8	325.7	9.8
1.0	15.0	0.0	0.0	0.0	-120.3	242.8	242.7	4.3
1.0	15.0	2.0	0.0	0.0	-115.2	242.0	240.5	3.3
1.0	15.0	2.0	0.0	0.0	-108.8	229.1	227.5	3.3
1.0	15.0	0.0	0.0	0.0	-142.6	287.2	287.1	5.7
1.0	15.0	0.0	0.0	0.0	-135.5	273.0	272.9	4.9
1.0	15.0	2.0	0.0	0.0	-196.0	403.7	402.1	22.4
0.6	15.0	2.0	0.0	0.0	-191.3	394.2	392.6	18.7
1.0	15.0	0.0	0.0	0.0	-146.4	294.9	294.8	8.2
1.0	15.0	0.0	6.0	0.0	-142.5	296.4	294.9	11.4
1.0	15.0	1.0	5.0	0.0	-145.2	301.9	300.4	9.0
1.0	15.0	4.0	0.0	0.0	-150.8	313.1	311.5	12.0
1.0	15.0	0.0	5.0	0.0	-147.7	306.9	305.4	12.7
1.0	15.0	0.0	8.0	0.0	-153.7	319.0	317.5	6.7
1.0	15.0	2.0	6.0	0.0	-237.2	494.4	490.4	53.8
1.0	15.0	4.0	2.0	0.0	-201.0	421.9	417.9	29.4
1.0	15.0	0.0	8.0	0.0	-143.5	298.5	296.9	8.6
1.0	15.0	4.0	3.0	0.0	-130.0	279.9	275.9	4.8
1.0	15.0	0.0	2.0	0.0	-119.8	251.1	249.6	5.1
1.0	15.0	3.0	4.0	0.0	-142.9	305.8	301.8	14.0
1.0	15.0	0.0	7.0	0.0	-166.5	344.6	343.1	10.0
1.0	15.0	0.0	6.0	0.0	-127.1	265.7	264.1	5.0
1.0	15.0	0.0	0.0	0.0	-92.8	187.7	187.6	2.5
1.0	15.0	6.0	0.0	0.0	-158.7	328.9	327.3	14.3
1.0	15.0	0.0	6.0	0.0	-154.2	320.0	318.5	8.0
1.0	15.0	0.0	7.0	0.0	-153.2	318.0	316.4	7.9
1.0	15.0	3.0	0.0	0.0	-124.7	269.4	265.4	5.5
1.0	15.0	7.0	0.0	0.0	-198.6	408.7	407.1	24.8
1.0	15.0	0.0	8.0	0.0	-164.2	339.9	338.4	9.7
1.0	15.0	0.0	7.0	0.0	-148.1	307.8	306.2	11.8
1.0	15.0	0.0	0.0	0.0	-111.9	225.9	225.8	3.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-115.8	243.0	241.5	5.6
1.0	15.0	0.0	7.0	0.0	-169.0	349.6	348.0	12.3
1.0	15.0	0.0	7.0	0.0	-136.4	284.3	282.7	4.9
0.9	15.0	0.0	7.0	0.0	-88.9	197.9	193.9	1.5
1.0	15.0	6.0	0.0	0.0	-139.5	290.5	289.0	6.9
1.0	15.0	0.0	7.0	0.0	-127.5	266.6	265.1	4.7
1.0	15.0	0.0	2.0	0.0	-111.0	242.1	238.1	3.2
0.8	15.0	3.0	0.0	0.0	-149.9	319.8	315.8	6.8
1.0	15.0	1.0	0.0	0.0	-140.2	300.5	296.5	6.2
1.0	15.0	0.0	1.0	0.0	-150.0	302.1	302.0	7.0
1.0	15.0	0.0	3.0	0.0	-123.8	267.6	263.6	4.0
0.7	15.0	7.0	0.0	0.0	-182.9	385.7	381.7	26.9
1.0	15.0	7.0	0.0	0.0	-146.6	313.2	309.2	12.0
1.0	15.0	0.0	0.0	0.0	-154.0	310.0	310.0	9.9
1.0	15.0	0.0	3.0	0.0	-140.6	292.7	291.2	9.5
1.0	15.0	1.0	2.0	0.0	-147.2	314.4	310.4	17.7
0.8	15.0	4.0	0.0	0.0	-152.6	316.7	315.2	17.8
1.0	15.0	0.0	2.0	0.0	-145.7	302.9	301.4	13.5
1.0	15.0	1.0	0.0	0.0	-137.1	285.8	284.3	14.6
0.9	15.0	2.0	1.0	0.0	-199.2	418.3	414.3	44.0
1.0	15.0	2.0	1.0	0.0	-142.9	305.9	301.9	19.1
1.0	15.0	0.0	3.0	0.0	-132.4	276.4	274.9	10.7
0.9	15.0	1.0	1.0	0.0	-151.5	323.0	319.0	7.6
1.0	15.0	4.0	0.0	0.0	-111.0	241.9	237.9	3.3
0.9	15.0	3.0	1.0	0.0	-158.2	328.0	326.5	9.0
1.0	15.0	0.0	3.0	0.0	-161.0	333.6	332.1	9.2
0.9	15.0	0.0	3.0	0.0	-117.2	254.3	250.3	7.7
1.0	15.0	0.0	0.0	0.0	-70.2	142.6	142.5	1.3
1.0	15.0	3.0	0.0	0.0	-110.5	232.6	231.0	8.0
1.0	15.0	0.0	5.0	0.0	-133.7	279.0	277.4	4.6
1.0	15.0	0.0	1.0	0.0	-136.6	284.8	283.2	7.6
1.0	15.0	3.0	0.0	0.0	-127.1	265.8	264.3	6.9
1.0	15.0	3.0	0.0	0.0	-131.7	275.0	273.5	8.4
1.0	15.0	0.0	3.0	0.0	-166.1	352.1	348.1	14.8
1.0	15.0	0.0	1.0	0.0	-113.7	238.9	237.4	3.1
1.0	15.0	0.0	0.0	0.0	-62.4	127.0	126.9	1.4
1.0	15.0	1.0	0.0	0.0	-68.0	147.4	145.9	0.9
1.0	15.0	0.0	1.0	0.0	-148.4	308.5	306.9	9.3
1.0	15.0	0.0	4.0	0.0	-131.3	274.2	272.6	4.6
0.8	15.0	4.0	0.0	0.0	-128.8	277.6	273.6	5.3
1.0	15.0	4.0	0.0	0.0	-123.3	258.2	256.7	5.7
1.0	15.0	0.0	1.0	0.0	-172.7	347.4	347.4	13.3
1.0	15.0	0.0	3.0	0.0	-127.4	266.4	264.9	3.9
1.0	15.0	3.0	0.0	0.0	-124.4	260.4	258.8	4.0
1.0	15.0	3.0	0.0	0.0	-125.1	261.7	260.1	4.0
1.0	15.0	0.0	0.0	0.0	-147.1	296.2	296.1	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-122.0	246.0	245.9	3.6
0.7	15.0	1.0	0.0	0.0	-167.4	354.9	350.8	11.7
0.7	15.0	2.0	0.0	0.0	-127.4	275.0	270.8	6.7
1.0	15.0	0.0	1.0	0.0	-163.1	328.3	328.2	12.7
1.0	15.0	0.0	0.0	0.0	-135.5	273.1	273.0	5.9
1.0	15.0	3.0	0.0	0.0	-179.8	371.2	369.7	13.7
0.8	15.0	3.0	0.0	0.0	-137.6	295.3	291.3	8.1
1.0	15.0	0.0	0.0	0.0	-153.0	308.1	308.0	7.6
1.0	15.0	0.0	2.0	0.0	-133.1	277.8	276.3	4.8
1.0	15.0	2.0	0.0	0.0	-168.8	349.2	347.7	22.9
1.0	15.0	2.0	0.0	0.0	-150.0	311.4	309.9	9.7
1.0	15.0	0.0	0.0	0.0	-157.2	316.5	316.4	8.0
1.0	15.0	0.0	0.0	0.0	-129.5	261.1	261.0	4.5
1.0	15.0	2.0	0.0	0.0	-145.1	301.7	300.2	6.3
1.0	15.0	2.0	0.0	0.0	-110.8	233.1	231.5	2.9
1.0	15.0	0.0	0.0	0.0	-153.1	308.2	308.1	8.6
1.0	15.0	0.0	3.0	0.0	-237.1	485.0	484.2	3.3
1.0	15.0	4.0	0.0	0.0	-291.0	592.7	591.9	11.7
1.0	15.0	4.0	0.0	0.0	-276.7	564.2	563.5	9.6
1.0	15.0	0.0	0.0	0.0	-306.2	614.3	614.3	7.1
1.0	15.0	0.0	5.0	0.0	-114.6	240.7	239.2	2.8
1.0	15.0	5.0	0.0	0.0	-124.6	260.8	259.3	6.5
1.0	15.0	5.0	0.0	0.0	-131.5	274.4	272.9	9.7
1.0	15.0	0.0	0.0	0.0	-159.4	320.9	320.8	7.8
0.8	15.0	0.0	7.0	0.0	-135.4	291.0	286.9	5.6
0.6	15.0	8.0	0.0	0.0	-187.8	395.8	391.7	24.0
1.0	15.0	8.0	0.0	0.0	-155.7	331.4	327.3	20.4
1.0	15.0	0.0	0.0	0.0	-159.6	321.3	321.2	9.2
1.0	15.0	1.0	2.0	0.0	-120.7	252.9	251.4	3.7
1.0	15.0	3.0	0.0	0.0	-121.5	263.1	259.1	5.1
1.0	15.0	2.0	0.0	0.0	-113.1	246.1	242.1	4.5
1.0	15.0	0.0	2.0	0.0	-157.7	327.0	325.5	7.2
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	7.5
1.0	15.0	4.0	0.0	0.0	-167.7	347.0	345.4	12.3
1.0	15.0	3.0	0.0	0.0	-140.5	292.6	291.0	5.7
1.0	15.0	0.0	0.0	0.0	-157.5	317.0	316.9	9.2
1.0	15.0	0.0	3.0	0.0	-142.0	295.6	294.1	6.4
1.0	15.0	6.0	0.0	0.0	-168.7	348.9	347.4	11.8
1.0	15.0	4.0	0.0	0.0	-132.6	276.8	275.3	4.8
1.0	15.0	0.0	0.0	0.0	-144.1	290.2	290.1	6.7
1.0	15.0	0.0	2.0	0.0	-120.8	253.1	251.6	3.7
1.0	15.0	3.0	0.0	0.0	-128.5	268.5	267.0	5.4
1.0	15.0	2.0	0.0	0.0	-134.1	279.8	278.3	5.7
1.0	15.0	0.0	0.0	0.0	-132.2	266.5	266.4	5.2
0.7	15.0	0.0	2.0	0.0	-123.9	259.5	257.9	4.7
1.0	15.0	3.0	0.0	0.0	-169.1	349.8	348.2	17.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-125.6	262.7	261.1	5.9
1.0	15.0	0.0	0.0	0.0	-155.8	313.6	313.5	9.0
0.6	15.0	0.0	2.0	0.0	-151.3	314.2	312.6	7.2
1.0	15.0	4.0	0.0	0.0	-164.9	341.4	339.9	11.4
1.0	15.0	2.0	0.0	0.0	-124.3	260.1	258.6	5.5
1.0	15.0	0.0	0.0	0.0	-127.8	257.7	257.6	4.2
0.9	15.0	0.0	3.0	0.0	-131.9	275.3	273.8	7.6
1.0	15.0	1.0	2.0	0.0	-127.2	274.3	270.3	6.8
0.9	15.0	3.0	0.0	0.0	-132.9	285.8	281.8	11.3
0.9	15.0	0.0	3.0	0.0	-140.1	291.8	290.2	12.8
1.0	15.0	0.0	5.0	0.0	-146.7	304.9	303.4	6.2
1.0	15.0	0.0	3.0	0.0	-109.5	230.6	229.1	2.8
1.0	15.0	5.0	0.0	0.0	-173.2	357.9	356.4	21.3
1.0	15.0	0.0	5.0	0.0	-145.9	303.3	301.8	5.7
1.0	15.0	0.0	2.0	0.0	-132.0	275.6	274.1	8.7
1.0	15.0	0.0	0.0	0.0	-133.8	269.7	269.6	5.5
1.0	15.0	3.0	0.0	0.0	-141.7	294.9	293.3	9.4
1.0	15.0	0.0	0.0	0.0	-132.5	267.1	267.0	5.5
1.0	15.0	0.0	2.0	0.0	-145.9	303.4	301.8	6.2
0.7	15.0	3.0	0.0	0.0	-184.4	388.7	384.7	17.4
1.0	15.0	3.0	0.0	0.0	-154.6	320.7	319.2	14.5
1.0	15.0	0.0	0.0	0.0	-159.2	320.4	320.3	10.3
1.0	15.0	0.0	1.0	0.0	-152.6	316.8	315.3	7.9
1.0	15.0	3.0	3.0	0.0	-184.7	389.3	385.3	24.7
1.0	15.0	3.0	3.0	0.0	-144.7	309.4	305.4	8.8
1.0	15.0	0.0	3.0	0.0	-138.5	288.6	287.1	5.7
1.0	15.0	3.0	1.0	0.0	-166.4	352.8	348.8	18.1
1.0	15.0	2.0	1.0	0.0	-116.1	252.1	248.1	4.7
0.9	15.0	1.0	4.0	0.0	-121.3	254.1	252.6	12.7
1.0	15.0	0.0	4.0	0.0	-170.8	353.1	351.5	13.3
1.0	15.0	0.0	2.0	0.0	-135.7	283.0	281.5	6.2
1.0	15.0	0.0	0.0	0.0	-84.1	170.3	170.2	1.7
1.0	15.0	1.0	0.0	0.0	-94.6	200.8	199.3	8.7
1.0	15.0	0.0	2.0	0.0	-143.1	297.7	296.1	10.4
1.0	15.0	0.0	1.0	0.0	-125.7	262.9	261.4	5.7
1.0	15.0	0.0	0.0	0.0	-89.3	180.7	180.6	1.9
1.0	15.0	1.0	0.0	0.0	-84.7	181.0	179.5	4.6
1.0	15.0	0.0	3.0	0.0	-151.2	314.0	312.4	6.9
1.0	15.0	0.0	5.0	0.0	-142.8	297.1	295.6	7.3
1.0	15.0	0.0	1.0	0.0	-120.7	253.0	251.4	5.5
1.0	15.0	3.0	0.0	0.0	-144.6	300.8	299.2	20.9
1.0	15.0	0.0	1.0	0.0	-185.1	381.8	380.3	17.9
1.0	15.0	0.0	3.0	0.0	-128.7	268.9	267.4	4.5
1.0	15.0	3.0	3.0	0.0	-178.3	376.7	372.7	17.6
1.0	15.0	4.0	1.0	0.0	-143.2	306.4	302.4	6.2
1.0	15.0	0.0	3.0	0.0	-144.1	299.8	298.3	7.4



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-140.5	292.6	291.1	5.0
1.0	15.0	0.0	0.0	0.0	-119.1	240.4	240.3	3.8
1.0	15.0	4.0	0.0	0.0	-103.9	219.4	217.9	2.1
1.0	15.0	0.0	4.0	0.0	-166.5	344.5	343.0	9.7
1.0	15.0	0.0	2.0	0.0	-123.5	258.5	257.0	4.2
0.6	15.0	2.0	0.0	0.0	-160.9	333.2	331.7	9.4
0.9	15.0	2.0	0.0	0.0	-133.2	277.9	276.4	6.4
1.0	15.0	0.0	0.0	0.0	-157.9	317.8	317.7	8.4
1.0	15.0	0.0	1.0	0.0	-127.5	266.5	265.0	3.7
1.0	15.0	0.0	0.0	0.0	-79.5	161.0	160.9	2.5
1.0	15.0	1.0	0.0	0.0	-121.5	254.5	252.9	8.5
1.0	15.0	0.0	1.0	0.0	-133.8	279.2	277.6	5.5
1.0	15.0	0.0	2.0	0.0	-114.3	240.1	238.6	3.5
1.0	15.0	4.0	0.0	0.0	-160.1	331.8	330.3	10.6
1.0	15.0	3.0	0.0	0.0	-121.6	254.8	253.3	4.1
1.0	15.0	0.0	0.0	0.0	-139.2	280.5	280.4	5.5
1.0	15.0	0.0	2.0	0.0	-138.6	288.7	287.1	4.9
1.0	15.0	0.0	1.0	0.0	-157.5	317.1	317.0	9.4
1.0	15.0	2.0	0.0	0.0	-120.8	261.6	257.6	4.0
1.0	15.0	0.0	2.0	0.0	-146.9	305.3	303.7	6.8
1.0	15.0	2.0	1.0	0.0	-153.3	318.1	316.5	12.8
1.0	15.0	0.0	0.0	0.0	-120.0	242.1	242.1	3.4
0.9	15.0	1.0	1.0	0.0	-132.8	277.0	275.5	8.1
1.0	15.0	0.0	2.0	0.0	-160.9	333.3	331.7	8.9
1.0	15.0	0.0	2.0	0.0	-121.8	255.2	253.7	3.4
1.0	15.0	0.0	0.0	0.0	-76.4	155.0	154.9	2.0
1.0	15.0	2.0	0.0	0.0	-78.4	168.4	166.9	6.2
1.0	15.0	0.0	2.0	0.0	-134.5	280.5	279.0	4.6
1.0	15.0	0.0	3.0	0.0	-131.5	274.5	273.0	4.7
1.0	15.0	2.0	0.0	0.0	-109.2	229.8	228.3	2.7
1.0	15.0	3.0	0.0	0.0	-117.1	245.8	244.2	6.8
1.0	15.0	0.0	3.0	0.0	-171.1	353.7	352.2	10.2
1.0	15.0	0.0	5.0	0.0	-119.9	259.8	255.8	3.7
1.0	15.0	0.0	3.0	0.0	-89.7	199.4	195.4	1.9
0.6	15.0	4.0	0.0	0.0	-112.2	244.3	240.3	6.4
1.0	15.0	0.0	4.0	0.0	-147.7	306.9	305.4	6.2
1.0	15.0	1.0	0.0	0.0	-139.6	290.8	289.3	7.2
1.0	15.0	3.0	1.0	0.0	-174.1	368.2	364.2	18.5
1.0	15.0	2.0	1.0	0.0	-145.9	311.8	307.8	15.8
1.0	15.0	0.0	1.0	0.0	-152.3	306.7	306.6	10.2
1.0	15.0	0.0	1.0	0.0	-118.5	257.0	253.0	3.7
1.0	15.0	0.0	0.0	0.0	-96.6	195.3	195.2	2.4
0.8	15.0	2.0	0.0	0.0	-106.1	232.3	228.3	2.4
1.0	15.0	0.0	2.0	0.0	-158.1	327.8	326.2	8.6
1.0	15.0	0.0	2.0	0.0	-111.9	235.3	233.7	3.4
1.0	15.0	2.0	0.0	0.0	-154.6	320.8	319.2	9.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-111.8	235.2	233.7	3.2
1.0	15.0	0.0	0.0	0.0	-163.9	329.9	329.8	9.3
1.0	15.0	0.0	3.0	0.0	-127.3	266.3	264.7	5.0
0.6	15.0	2.0	0.0	0.0	-184.0	379.6	378.0	16.2
1.0	15.0	4.0	0.0	0.0	-146.8	305.2	303.6	8.0
1.0	15.0	0.0	0.0	0.0	-176.6	355.3	355.2	11.2
1.0	15.0	0.0	10.0	0.0	-114.2	240.0	238.4	2.7
0.9	15.0	2.0	0.0	0.0	-89.6	190.6	189.1	2.1
1.0	15.0	2.0	0.0	0.0	-75.0	161.5	159.9	1.4
1.0	15.0	0.0	0.0	0.0	-146.6	295.3	295.2	8.4
1.0	15.0	0.0	2.0	0.0	-116.1	243.7	242.2	3.9
1.0	15.0	3.0	0.0	0.0	-177.8	375.7	371.7	19.2
1.0	15.0	3.0	0.0	0.0	-135.5	291.1	287.1	8.4
1.0	15.0	0.0	0.0	0.0	-175.6	353.2	353.1	12.4
1.0	15.0	0.0	2.0	0.0	-128.9	269.3	267.8	4.9
1.0	15.0	2.0	0.0	0.0	-175.8	363.1	361.6	15.2
1.0	15.0	2.0	0.0	0.0	-156.0	323.6	321.9	17.7
1.0	15.0	0.0	0.0	0.0	-141.3	284.7	284.6	5.7
1.0	15.0	0.0	4.0	0.0	-132.5	276.5	274.9	4.5
0.8	15.0	5.0	0.0	0.0	-131.4	282.8	278.8	6.2
0.9	15.0	5.0	0.0	0.0	-122.4	256.4	254.8	4.3
1.0	15.0	0.0	0.0	0.0	-177.1	356.2	356.1	16.6
1.0	15.0	0.0	2.0	0.0	-132.4	276.4	274.9	6.1
0.6	15.0	3.0	0.0	0.0	-163.8	339.1	337.6	18.6
0.6	15.0	3.0	0.0	0.0	-158.1	327.7	326.2	19.5
1.0	15.0	1.0	0.0	0.0	-150.5	303.0	302.9	10.5
1.0	15.0	0.0	0.0	0.0	-132.3	266.8	266.7	4.6
1.0	15.0	1.0	0.0	0.0	-146.0	303.5	302.0	6.9
1.0	15.0	1.0	0.0	0.0	-125.3	262.2	260.7	3.8
1.0	15.0	0.0	0.0	0.0	-138.6	279.4	279.3	6.7
1.0	15.0	0.0	4.0	0.0	-122.1	255.7	254.2	3.4
1.0	15.0	5.0	0.0	0.0	-126.8	273.7	269.7	6.2
1.0	15.0	5.0	0.0	0.0	-116.1	252.3	248.3	4.3
1.0	15.0	0.0	1.0	0.0	-185.4	373.0	372.9	13.6
1.0	15.0	0.0	2.0	0.0	-146.1	303.7	302.2	6.2
0.7	15.0	1.0	1.0	0.0	-148.5	317.0	313.0	7.2
1.0	15.0	1.0	0.0	0.0	-128.2	276.5	272.5	4.5
1.0	15.0	0.0	1.0	0.0	-137.7	286.9	285.4	4.9
1.0	15.0	0.0	1.0	0.0	-127.4	266.4	264.9	3.8
1.0	15.0	0.0	1.0	0.0	-116.4	244.3	242.7	3.2
1.0	15.0	1.0	0.0	0.0	-107.9	227.3	225.7	4.6
1.0	15.0	0.0	1.0	0.0	-174.0	359.6	358.1	10.2
1.0	15.0	0.0	2.0	0.0	-141.6	294.7	293.2	6.5
0.8	15.0	3.0	3.0	0.0	-186.4	392.8	388.8	19.3
0.5	15.0	3.0	3.0	0.0	-183.0	386.1	382.1	17.3
1.0	15.0	0.0	3.0	0.0	-157.4	326.4	324.9	19.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-170.2	351.9	350.3	13.2
0.9	15.0	3.0	4.0	0.0	-228.1	476.3	472.3	71.8
0.9	15.0	3.0	1.0	0.0	-206.9	433.8	429.8	28.2
1.0	15.0	0.0	4.0	0.0	-195.0	401.6	400.0	36.7
0.6	15.0	5.0	0.0	0.0	-150.7	312.9	311.4	6.6
1.0	15.0	2.0	0.0	0.0	-134.9	289.8	285.8	5.3
1.0	15.0	0.0	2.0	0.0	-128.9	269.4	267.8	4.5
1.0	15.0	0.0	4.0	0.0	-191.1	393.9	392.3	28.1
1.0	15.0	0.0	2.0	0.0	-109.9	231.3	229.7	5.5
0.9	15.0	0.0	2.0	0.0	-73.9	159.4	157.9	0.6
1.0	15.0	2.0	0.0	0.0	-83.8	179.2	177.6	3.1
1.0	15.0	1.0	2.0	0.0	-147.2	306.0	304.5	7.1
1.0	15.0	0.0	2.0	0.0	-147.6	306.8	305.2	10.4
0.9	15.0	0.0	1.0	0.0	-122.6	256.8	255.3	4.9
0.7	15.0	1.0	0.0	0.0	-120.6	252.8	251.2	8.2
1.0	15.0	0.0	1.0	0.0	-180.1	371.7	370.2	20.4
1.0	15.0	0.0	0.0	0.0	-1002.2	2006.4	2006.4	7.8
1.0	15.0	2.0	0.0	0.0	-1225.5	2461.2	2461.0	19.9
1.0	15.0	2.0	0.0	0.0	-1010.1	2030.4	2030.2	9.9
1.0	15.0	0.0	0.0	0.0	-1097.1	2196.2	2196.2	13.0
1.0	15.0	0.0	2.0	0.0	-518.9	1048.2	1047.8	5.0
1.0	15.0	2.0	0.0	0.0	-694.4	1399.2	1398.9	13.9
1.0	15.0	2.0	0.0	0.0	-602.2	1214.7	1214.4	10.8
1.0	15.0	0.0	0.0	0.0	-667.2	1336.5	1336.5	12.8
1.0	15.0	0.0	0.0	0.0	-820.3	1642.6	1642.6	5.7
1.0	15.0	2.0	0.0	0.0	-1000.8	2011.9	2011.7	11.9
1.0	15.0	1.0	0.0	0.0	-852.9	1716.0	1715.7	8.4
1.0	15.0	0.0	0.0	0.0	-904.7	1811.4	1811.4	7.1
1.0	15.0	0.0	2.0	0.0	-113.7	239.0	237.5	3.3
1.0	15.0	2.0	0.0	0.0	-161.6	334.7	333.1	8.7
1.0	15.0	2.0	0.0	0.0	-119.3	250.2	248.6	4.2
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	7.0
1.0	15.0	0.0	0.0	0.0	-121.3	244.8	244.7	4.2
1.0	15.0	2.0	0.0	0.0	-156.8	325.2	323.7	9.1
1.0	15.0	2.0	0.0	0.0	-124.2	260.0	258.5	4.4
1.0	15.0	0.0	0.0	0.0	-162.5	327.1	327.0	8.4
1.0	15.0	0.0	1.0	0.0	-143.7	298.9	297.4	5.7
0.6	15.0	2.0	2.0	0.0	-172.7	356.9	355.4	10.1
0.8	15.0	1.0	0.0	0.0	-169.1	349.7	348.2	10.9
1.0	15.0	0.0	0.0	0.0	-150.7	303.6	303.5	7.2
1.0	15.0	1.0	0.0	0.0	-128.5	268.6	267.0	4.9
1.0	15.0	3.0	1.0	0.0	-179.2	378.5	374.5	20.1
1.0	15.0	2.0	1.0	0.0	-160.6	341.3	337.3	12.2
1.0	15.0	0.0	1.0	0.0	-175.2	352.4	352.4	14.2
1.0	15.0	0.0	0.0	0.0	-123.1	248.3	248.2	3.8
1.0	15.0	1.0	0.0	0.0	-107.5	226.5	225.0	2.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-109.4	230.2	228.7	2.7
1.0	15.0	0.0	0.0	0.0	-158.3	318.7	318.6	7.6
1.0	15.0	0.0	1.0	0.0	-104.9	221.4	219.9	2.1
1.0	15.0	0.0	0.0	0.0	-55.4	112.8	112.7	0.6
1.0	15.0	1.0	0.0	0.0	-69.1	149.7	148.1	0.8
1.0	15.0	0.0	1.0	0.0	-142.2	296.0	294.4	7.6
1.0	15.0	0.0	2.0	0.0	-139.6	290.7	289.1	5.5
0.9	15.0	1.0	0.0	0.0	-132.0	284.0	280.0	6.2
1.0	15.0	3.0	0.0	0.0	-116.2	243.9	242.4	6.3
1.0	15.0	0.0	4.0	0.0	-152.3	316.2	314.7	7.1
1.0	15.0	0.0	0.0	0.0	-151.3	304.7	304.6	7.1
1.0	15.0	4.0	0.0	0.0	-173.0	357.6	356.1	14.5
1.0	15.0	2.0	0.0	0.0	-132.4	276.4	274.9	5.9
1.0	15.0	1.0	0.0	0.0	-167.0	336.1	336.0	10.4
1.0	15.0	0.0	1.0	0.0	-128.4	268.3	266.8	3.8
1.0	15.0	0.0	0.0	0.0	-102.6	207.3	207.2	2.5
0.9	15.0	1.0	0.0	0.0	-114.7	240.9	239.3	5.4
1.0	15.0	0.0	1.0	0.0	-146.0	303.6	302.0	5.9
1.0	15.0	0.0	5.0	0.0	-131.7	274.9	273.4	4.6
1.0	15.0	2.0	0.0	0.0	-170.5	352.5	351.0	12.5
1.0	15.0	3.0	0.0	0.0	-145.5	302.5	300.9	8.7
1.0	15.0	0.0	0.0	0.0	-158.8	319.7	319.7	8.1
1.0	15.0	0.0	2.0	0.0	-122.9	257.3	255.8	7.0
1.0	15.0	0.0	0.0	0.0	-63.0	128.0	127.9	0.9
0.9	15.0	2.0	0.0	0.0	-88.2	188.0	186.5	6.1
1.0	15.0	0.0	0.0	0.0	-151.9	305.9	305.8	16.5
1.0	15.0	0.0	1.0	0.0	-135.1	281.7	280.2	8.8
1.0	15.0	0.0	0.0	0.0	-72.3	146.7	146.7	1.5
1.0	15.0	1.0	0.0	0.0	-114.2	240.0	238.5	4.7
1.0	15.0	0.0	2.0	0.0	-186.1	383.8	382.3	16.9
1.0	15.0	0.0	0.0	0.0	-104.4	211.0	210.9	2.6
1.0	15.0	1.0	0.0	0.0	-150.0	311.6	310.1	6.8
1.0	15.0	1.0	0.0	0.0	-113.7	238.9	237.4	2.9
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	6.2
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.6	4.2
1.0	15.0	3.0	0.0	0.0	-165.4	342.4	340.8	9.9
1.0	15.0	2.0	0.0	0.0	-125.9	263.3	261.8	4.1
1.0	15.0	0.0	0.0	0.0	-158.2	318.6	318.5	7.7
1.0	15.0	2.0	0.0	0.0	-125.4	262.3	260.8	4.0
1.0	15.0	2.0	0.0	0.0	-151.5	314.5	313.0	11.8
1.0	15.0	0.0	0.0	0.0	-122.7	247.5	247.4	4.0
1.0	15.0	0.0	0.0	0.0	-154.8	311.8	311.7	7.3
1.0	15.0	0.0	3.0	0.0	-123.3	258.1	256.5	3.8
1.0	15.0	5.0	0.0	0.0	-169.5	350.7	349.1	11.2
1.0	15.0	4.0	0.0	0.0	-131.9	275.4	273.8	5.5
1.0	15.0	0.0	0.0	0.0	-128.0	258.2	258.1	5.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-138.8	289.2	287.6	4.8
1.0	15.0	1.0	0.0	0.0	-155.1	321.7	320.1	7.7
1.0	15.0	1.0	0.0	0.0	-148.9	309.4	307.9	6.4
1.0	15.0	0.0	0.0	0.0	-143.3	288.6	288.5	6.6
1.0	15.0	0.0	0.0	0.0	-135.3	272.6	272.5	4.4
1.0	15.0	1.0	0.0	0.0	-157.5	326.6	325.1	8.2
1.0	15.0	1.0	0.0	0.0	-132.3	276.2	274.7	6.0
1.0	15.0	0.0	0.0	0.0	-141.9	285.9	285.8	8.6
1.0	15.0	0.0	2.0	0.0	-124.1	259.8	258.3	4.7
0.7	15.0	2.0	0.0	0.0	-167.6	346.7	345.1	10.3
1.0	15.0	2.0	0.0	0.0	-151.6	314.8	313.3	8.2
1.0	15.0	0.0	0.0	0.0	-139.9	281.9	281.8	5.6
1.0	15.0	0.0	0.0	0.0	-94.7	191.4	191.4	1.9
1.0	15.0	2.0	0.0	0.0	-168.0	347.6	346.1	10.2
1.0	15.0	1.0	0.0	0.0	-108.9	229.4	227.9	3.8
1.0	15.0	0.0	0.0	0.0	-154.9	311.9	311.8	8.4
1.0	15.0	0.0	2.0	0.0	-108.9	229.3	227.8	2.8
1.0	15.0	3.0	0.0	0.0	-149.4	310.4	308.9	6.8
1.0	15.0	3.0	0.0	0.0	-132.4	276.4	274.8	5.2
1.0	15.0	0.0	0.0	0.0	-143.1	288.3	288.2	6.3
0.9	15.0	0.0	3.0	0.0	-135.1	281.7	280.2	4.4
0.6	15.0	4.0	0.0	0.0	-156.4	332.8	328.8	8.9
0.7	15.0	4.0	0.0	0.0	-148.3	316.7	312.7	7.2
1.0	15.0	0.0	0.0	0.0	-148.8	299.8	299.7	5.8
1.0	15.0	0.0	0.0	0.0	-108.2	218.4	218.3	2.8
1.0	15.0	2.0	0.0	0.0	-104.7	220.9	219.3	4.2
1.0	15.0	0.0	0.0	0.0	-99.2	200.6	200.5	4.0
1.0	15.0	0.0	0.0	0.0	-148.6	299.3	299.2	6.5
1.0	15.0	0.0	2.0	0.0	-114.5	240.5	238.9	2.9
1.0	15.0	3.0	0.0	0.0	-121.5	254.5	253.0	3.9
1.0	15.0	2.0	0.0	0.0	-134.1	279.7	278.2	5.5
1.0	15.0	0.0	0.0	0.0	-154.1	310.3	310.2	6.9
1.0	15.0	0.0	0.0	0.0	-138.7	279.6	279.5	5.7
0.9	15.0	3.0	0.0	0.0	-162.2	344.4	340.4	16.2
1.0	15.0	3.0	0.0	0.0	-136.3	292.5	288.5	14.5
1.0	15.0	0.0	0.0	0.0	-142.9	287.8	287.7	5.7
1.0	15.0	0.0	2.0	0.0	-117.0	245.7	244.1	3.3
1.0	15.0	5.0	0.0	0.0	-162.8	337.2	335.7	9.7
1.0	15.0	5.0	0.0	0.0	-132.6	276.8	275.3	5.2
1.0	15.0	0.0	0.0	0.0	-153.6	309.3	309.2	7.3
0.8	15.0	0.0	4.0	0.0	-121.1	253.8	252.2	4.0
0.8	15.0	6.0	0.0	0.0	-185.4	390.8	386.8	20.0
1.0	15.0	6.0	0.0	0.0	-145.8	311.7	307.7	8.6
1.0	15.0	0.0	0.0	0.0	-170.1	342.3	342.2	10.0
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.7	4.3
1.0	15.0	0.0	0.0	0.0	-61.3	124.7	124.6	0.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-76.8	165.1	163.5	2.1
1.0	15.0	1.0	2.0	0.0	-154.3	320.2	318.6	8.7
1.0	15.0	0.0	6.0	0.0	-120.9	253.3	251.8	4.2
0.9	15.0	5.0	0.0	0.0	-193.6	398.8	397.3	25.9
0.9	15.0	5.0	0.0	0.0	-169.6	350.8	349.3	17.0
1.0	15.0	0.0	0.0	0.0	-178.7	359.6	359.5	12.9
1.0	15.0	0.0	1.0	0.0	-117.9	247.3	245.8	8.2
1.0	15.0	0.0	0.0	0.0	-59.9	121.8	121.8	0.8
1.0	15.0	2.0	0.0	0.0	-78.8	169.1	167.6	5.6
1.0	15.0	1.0	2.0	0.0	-152.2	315.9	314.3	10.5
1.0	15.0	0.0	0.0	0.0	-145.9	293.9	293.8	6.8
1.0	15.0	3.0	0.0	0.0	-148.6	308.7	307.1	14.8
1.0	15.0	2.0	0.0	0.0	-121.5	263.1	259.1	4.2
1.0	15.0	0.0	2.0	0.0	-172.0	355.6	354.1	11.7
1.0	15.0	0.0	1.0	0.0	-117.8	247.2	245.7	4.8
1.0	15.0	0.0	0.0	0.0	-78.9	159.9	159.8	1.6
1.0	15.0	2.0	0.0	0.0	-72.9	157.2	155.7	1.2
1.0	15.0	0.0	4.0	0.0	-146.1	303.8	302.2	6.9
1.0	15.0	0.0	2.0	0.0	-123.8	259.1	257.6	3.8
1.0	15.0	2.0	0.0	0.0	-107.4	226.3	224.8	3.2
1.0	15.0	1.0	0.0	0.0	-105.5	222.5	221.0	2.8
1.0	15.0	0.0	2.0	0.0	-173.3	358.1	356.6	12.3
1.0	15.0	0.0	3.0	0.0	-116.3	244.1	242.6	3.0
0.7	15.0	4.0	0.0	0.0	-173.3	366.7	362.7	23.7
0.8	15.0	5.0	0.0	0.0	-148.5	308.5	306.9	14.5
1.0	15.0	0.0	2.0	0.0	-156.6	324.7	323.2	10.5
0.6	15.0	0.0	2.0	0.0	-144.6	300.8	299.3	6.3
1.0	15.0	1.0	0.0	0.0	-106.3	224.1	222.5	2.5
1.0	15.0	1.0	0.0	0.0	-106.0	223.6	222.1	3.2
1.0	15.0	0.0	1.0	0.0	-188.3	378.6	378.5	14.6
1.0	15.0	4.0	0.0	0.0	-181.4	374.4	372.8	28.5
1.0	15.0	2.0	0.0	0.0	-159.0	329.5	328.0	10.4
1.0	15.0	0.0	4.0	0.0	-169.2	350.0	348.4	20.4
1.0	15.0	0.0	0.0	0.0	-145.7	293.5	293.4	6.0
1.0	15.0	0.0	0.0	0.0	-134.2	270.5	270.4	4.7
1.0	15.0	3.0	0.0	0.0	-158.8	329.1	327.5	8.9
1.0	15.0	2.0	0.0	0.0	-120.7	253.0	251.5	4.2
1.0	15.0	0.0	0.0	0.0	-144.6	291.4	291.3	5.9
1.0	15.0	0.0	0.0	0.0	-138.0	278.2	278.1	5.5
1.0	15.0	2.0	0.0	0.0	-169.3	350.2	348.6	11.9
1.0	15.0	2.0	0.0	0.0	-115.1	241.8	240.2	3.2
1.0	15.0	0.0	0.0	0.0	-136.8	275.8	275.7	7.3
1.0	15.0	0.0	0.0	0.0	-130.3	262.8	262.7	4.5
1.0	15.0	2.0	0.0	0.0	-134.1	279.7	278.2	4.9
1.0	15.0	2.0	0.0	0.0	-127.4	266.4	264.9	4.4
1.0	15.0	0.0	0.0	0.0	-140.6	283.2	283.1	6.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-136.1	274.3	274.2	4.4
1.0	15.0	3.0	0.0	0.0	-126.8	265.2	263.6	3.8
1.0	15.0	9.0	0.0	0.0	-111.1	233.7	232.1	2.6
1.0	15.0	0.0	0.0	0.0	-147.7	297.6	297.5	6.2
1.0	15.0	0.0	1.0	0.0	-285.3	581.4	580.7	6.2
1.0	15.0	2.0	5.0	0.0	-320.1	657.9	656.1	9.6
1.0	15.0	2.0	2.0	0.0	-313.1	643.9	642.1	9.0
1.0	15.0	0.0	0.0	0.0	-318.2	638.4	638.4	8.0
0.6	15.0	0.0	2.0	0.0	-333.4	677.5	676.8	11.6
1.0	15.0	2.0	6.0	0.0	-433.6	885.0	883.2	32.7
1.0	15.0	2.0	6.0	0.0	-374.6	766.9	765.2	17.5
1.0	15.0	0.0	7.0	0.0	-364.5	739.7	739.0	16.5
1.0	15.0	0.0	6.0	0.0	-306.8	624.3	623.6	8.2
1.0	15.0	2.0	0.0	0.0	-208.7	435.3	433.5	3.8
1.0	15.0	5.0	0.0	0.0	-299.2	609.1	608.4	16.3
1.0	15.0	0.0	9.0	0.0	-348.3	707.4	706.7	15.8
1.0	15.0	0.0	1.0	0.0	-252.3	515.3	514.5	5.1
1.0	15.0	0.0	0.0	0.0	-225.0	452.0	452.0	3.4
0.9	15.0	1.0	0.0	0.0	-216.8	444.3	443.6	9.7
1.0	15.0	0.0	6.0	0.0	-363.8	738.4	737.6	14.2
1.0	15.0	0.0	1.0	0.0	-283.9	578.5	577.7	5.7
1.0	15.0	2.0	0.0	0.0	-189.8	397.3	395.5	3.0
1.0	15.0	0.0	0.0	0.0	-213.2	428.4	428.3	3.9
1.0	15.0	0.0	0.0	0.0	-337.4	676.9	676.8	11.5
1.0	15.0	0.0	8.0	0.0	-358.4	727.5	726.8	14.5
1.0	15.0	6.0	4.0	0.0	-386.4	790.5	788.7	28.6
1.0	15.0	7.0	0.0	0.0	-469.4	956.5	954.7	60.2
1.0	15.0	0.0	1.0	0.0	-371.3	753.4	752.7	13.8
1.0	15.0	0.0	0.0	0.0	-109.4	221.0	220.9	2.9
0.5	15.0	1.0	0.0	0.0	-180.2	372.0	370.4	18.1
0.8	15.0	1.0	0.0	0.0	-138.1	287.7	286.2	10.1
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	9.3
1.0	15.0	0.0	0.0	0.0	-117.4	236.9	236.8	3.5
1.0	15.0	1.0	0.0	0.0	-105.7	222.9	221.4	4.2
1.0	15.0	1.0	0.0	0.0	-88.4	188.3	186.8	4.2
1.0	15.0	0.0	0.0	0.0	-153.0	308.1	308.0	7.3
1.0	15.0	0.0	3.0	0.0	-143.9	299.2	297.7	7.7
1.0	15.0	3.0	1.0	0.0	-143.6	307.2	303.2	9.3
1.0	15.0	3.0	0.0	0.0	-147.0	305.6	304.1	10.7
1.0	15.0	0.0	1.0	0.0	-144.9	301.3	299.8	12.1
1.0	15.0	0.0	3.0	0.0	-152.1	315.8	314.2	9.1
0.9	15.0	1.0	2.0	0.0	-201.0	422.0	418.0	47.0
1.0	15.0	1.0	1.0	0.0	-185.1	390.2	386.2	28.7
1.0	15.0	0.0	2.0	0.0	-155.4	322.3	320.7	19.4
1.0	15.0	0.0	3.0	0.0	-141.7	294.9	293.4	5.8
1.0	15.0	0.0	1.0	0.0	-119.7	251.0	249.5	10.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-140.2	292.0	290.5	34.6
1.0	15.0	0.0	2.0	0.0	-183.3	378.2	376.7	16.2
1.0	15.0	0.0	2.0	0.0	-149.9	311.4	309.9	13.9
0.9	15.0	2.0	0.0	0.0	-80.2	171.9	170.3	1.3
1.0	15.0	2.0	0.0	0.0	-102.9	217.4	215.8	19.2
1.0	15.0	0.0	1.0	0.0	-178.0	367.4	365.9	19.8
1.0	15.0	0.0	3.0	0.0	-158.6	328.8	327.2	11.9
0.6	15.0	4.0	0.0	0.0	-136.8	293.6	289.6	8.7
1.0	15.0	4.0	0.0	0.0	-167.8	347.1	345.6	47.1
1.0	15.0	0.0	2.0	0.0	-174.0	359.5	358.0	13.9
1.0	15.0	0.0	4.0	0.0	-147.4	306.4	304.8	9.4
1.0	15.0	0.0	0.0	0.0	-65.9	134.0	133.9	1.1
1.0	15.0	2.0	0.0	0.0	-84.1	179.7	178.1	2.9
1.0	15.0	0.0	2.0	0.0	-149.0	309.5	307.9	13.9
1.0	15.0	0.0	1.0	0.0	-133.9	279.4	277.8	11.2
1.0	15.0	0.0	0.0	0.0	-104.4	210.9	210.8	5.4
1.0	15.0	1.0	0.0	0.0	-140.5	292.6	291.0	31.6
1.0	15.0	0.0	1.0	0.0	-160.9	333.3	331.7	16.5
1.0	15.0	0.0	1.0	0.0	-110.4	232.4	230.9	2.6
1.0	15.0	0.0	0.0	0.0	-134.0	270.2	270.1	5.1
1.0	15.0	1.0	0.0	0.0	-118.9	249.3	247.7	3.3
1.0	15.0	0.0	0.0	0.0	-141.6	285.3	285.2	6.6
1.0	15.0	0.0	2.0	0.0	-123.8	259.1	257.6	4.7
1.0	15.0	2.0	1.0	0.0	-155.2	330.4	326.4	17.4
1.0	15.0	1.0	1.0	0.0	-134.3	288.5	284.5	12.0
1.0	15.0	0.0	1.0	0.0	-145.2	301.9	300.3	6.6
1.0	15.0	0.0	1.0	0.0	-133.2	277.9	276.4	5.2
1.0	15.0	0.0	0.0	0.0	-67.3	136.7	136.6	1.0
1.0	15.0	1.0	0.0	0.0	-77.5	166.6	165.0	2.9
1.0	15.0	0.0	1.0	0.0	-140.9	293.3	291.8	6.1
1.0	15.0	0.0	1.0	0.0	-131.8	275.3	273.6	5.7
0.9	15.0	2.0	0.0	0.0	-108.1	227.8	226.3	3.3
1.0	15.0	2.0	0.0	0.0	-99.3	210.2	208.7	2.4
1.0	15.0	0.0	1.0	0.0	-166.5	335.2	335.1	15.3
1.0	15.0	0.0	2.0	0.0	-130.6	272.8	271.3	4.6
1.0	15.0	3.0	0.0	0.0	-152.8	317.1	315.6	8.0
1.0	15.0	3.0	0.0	0.0	-145.9	303.3	301.7	6.6
1.0	15.0	0.0	0.0	0.0	-146.8	295.7	295.6	7.9
1.0	15.0	0.0	1.0	0.0	-106.8	225.2	223.7	2.2
1.0	15.0	1.0	0.0	0.0	-141.6	294.7	293.2	8.3
1.0	15.0	1.0	0.0	0.0	-140.9	293.3	291.7	8.9
1.0	15.0	0.0	0.0	0.0	-135.6	273.4	273.3	4.9
1.0	15.0	0.0	0.0	0.0	-125.0	252.0	251.9	4.0
1.0	15.0	2.0	0.0	0.0	-158.5	328.5	326.9	8.3
1.0	15.0	2.0	0.0	0.0	-122.1	255.7	254.2	4.6
1.0	15.0	0.0	0.0	0.0	-165.7	333.5	333.5	9.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-131.2	264.5	264.4	4.5
1.0	15.0	2.0	0.0	0.0	-144.8	301.2	299.7	6.5
1.0	15.0	2.0	0.0	0.0	-120.6	252.8	251.3	3.7
1.0	15.0	0.0	0.0	0.0	-118.2	238.4	238.3	3.7
1.0	15.0	0.0	0.0	0.0	-108.9	220.0	219.9	2.8
1.0	15.0	2.0	0.0	0.0	-111.2	233.9	232.3	2.8
1.0	15.0	3.0	0.0	0.0	-100.6	212.8	211.3	1.5
1.0	15.0	0.0	0.0	0.0	-136.9	275.8	275.8	5.6
1.0	15.0	0.0	2.0	0.0	-125.2	261.9	260.4	3.8
1.0	15.0	1.0	1.0	0.0	-150.7	321.3	317.3	9.5
1.0	15.0	1.0	0.0	0.0	-139.4	298.8	294.8	6.8
1.0	15.0	1.0	0.0	0.0	-150.8	303.7	303.6	11.1
1.0	15.0	0.0	0.0	0.0	-131.1	264.4	264.3	4.2
1.0	15.0	1.0	0.0	0.0	-106.8	233.6	229.6	2.7
1.0	15.0	2.0	0.0	0.0	-98.2	216.4	212.4	1.8
1.0	15.0	0.0	0.0	0.0	-164.7	331.5	331.4	10.8
1.0	15.0	0.0	0.0	0.0	-124.7	251.4	251.3	3.9
0.8	15.0	3.0	0.0	0.0	-161.5	343.0	339.0	9.5
0.6	15.0	4.0	0.0	0.0	-151.5	314.6	313.0	7.2
1.0	15.0	0.0	0.0	0.0	-157.9	317.9	317.8	7.9
1.0	15.0	0.0	4.0	0.0	-112.3	236.2	234.6	2.6
1.0	15.0	2.0	2.0	0.0	-120.9	261.9	257.9	4.1
1.0	15.0	3.0	0.0	0.0	-141.2	302.4	298.4	15.2
1.0	15.0	0.0	2.0	0.0	-139.1	289.7	288.2	5.5
1.0	15.0	0.0	3.0	0.0	-134.2	279.9	278.4	6.0
1.0	15.0	0.0	2.0	0.0	-128.0	267.6	266.0	4.7
1.0	15.0	1.0	0.0	0.0	-150.8	313.2	311.6	7.8
1.0	15.0	0.0	3.0	0.0	-166.7	344.9	343.4	10.3
1.0	15.0	0.0	2.0	0.0	-141.8	295.1	293.5	8.1
1.0	15.0	0.0	2.0	0.0	-78.5	168.5	167.0	1.2
1.0	15.0	2.0	0.0	0.0	-107.0	225.5	223.9	11.5
1.0	15.0	0.0	4.0	0.0	-173.6	358.7	357.2	16.9
1.0	15.0	0.0	3.0	0.0	-145.3	302.1	300.5	7.9
1.0	15.0	1.0	0.0	0.0	-131.7	283.4	279.4	9.3
1.0	15.0	3.0	0.0	0.0	-143.3	298.1	296.5	16.3
1.0	15.0	0.0	2.0	0.0	-168.6	348.8	347.2	11.3
1.0	15.0	0.0	2.0	0.0	-138.3	288.2	286.6	6.6
1.0	15.0	0.0	0.0	0.0	-83.3	168.7	168.7	2.4
1.0	15.0	1.0	0.0	0.0	-73.8	159.2	157.6	1.4
1.0	15.0	0.0	1.0	0.0	-193.8	399.1	397.5	16.6
1.0	15.0	0.0	5.0	0.0	-133.1	277.7	276.2	4.8
1.0	15.0	0.0	2.0	0.0	-110.1	231.7	230.2	2.7
1.0	15.0	3.0	0.0	0.0	-148.9	309.3	307.8	13.8
1.0	15.0	0.0	3.0	0.0	-155.5	322.5	321.0	7.2
1.0	15.0	0.0	1.0	0.0	-126.0	263.5	262.0	3.8
1.0	15.0	0.0	2.0	0.0	-108.9	229.3	227.8	2.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-130.0	271.5	269.9	30.3
1.0	15.0	0.0	2.0	0.0	-142.2	296.0	294.4	6.6
1.0	15.0	0.0	4.0	0.0	-120.2	252.0	250.5	5.8
1.0	15.0	2.0	3.0	0.0	-140.1	300.2	296.2	6.7
1.0	15.0	5.0	0.0	0.0	-151.0	322.0	318.0	11.4
1.0	15.0	0.0	4.0	0.0	-143.3	298.2	296.7	7.0
1.0	15.0	0.0	4.0	0.0	-137.8	287.2	285.6	11.8
0.9	15.0	2.0	5.0	0.0	-214.1	448.2	444.2	103.1
1.0	15.0	3.0	2.0	0.0	-177.1	374.1	370.1	28.0
1.0	15.0	0.0	7.0	0.0	-174.0	359.4	357.9	15.4
1.0	15.0	0.0	3.0	0.0	-160.3	332.1	330.5	9.2
1.0	15.0	0.0	2.0	0.0	-114.4	240.4	238.8	2.9
1.0	15.0	3.0	0.0	0.0	-163.7	338.9	337.4	15.6
1.0	15.0	0.0	4.0	0.0	-165.2	341.9	340.4	9.8
1.0	15.0	0.0	4.0	0.0	-137.9	287.3	285.8	13.6
1.0	15.0	0.0	0.0	0.0	-86.1	174.3	174.2	1.8
1.0	15.0	3.0	0.0	0.0	-110.2	231.9	230.3	8.6
1.0	15.0	0.0	8.0	0.0	-175.2	362.0	360.5	14.2
1.0	15.0	0.0	4.0	0.0	-139.4	290.4	288.9	5.6
1.0	15.0	0.0	2.0	0.0	-103.1	217.7	216.1	2.1
0.6	15.0	3.0	0.0	0.0	-113.0	245.9	241.9	5.9
1.0	15.0	0.0	4.0	0.0	-162.1	335.7	334.2	10.5
1.0	15.0	0.0	4.0	0.0	-151.4	314.4	312.8	10.0
1.0	15.0	0.0	0.0	0.0	-102.1	206.3	206.3	2.8
0.9	15.0	3.0	0.0	0.0	-75.8	171.7	167.6	3.3
1.0	15.0	0.0	3.0	0.0	-170.8	353.2	351.6	16.0
0.9	15.0	0.0	6.0	0.0	-143.8	299.1	297.6	7.4
1.0	15.0	0.0	3.0	0.0	-116.8	245.1	243.5	3.1
1.0	15.0	3.0	0.0	0.0	-151.4	314.3	312.8	18.2
1.0	15.0	0.0	3.0	0.0	-166.4	344.3	342.7	10.0
1.0	15.0	0.0	0.0	0.0	-120.1	242.3	242.2	3.6
1.0	15.0	2.0	0.0	0.0	-155.5	322.4	320.9	7.3
1.0	15.0	0.0	0.0	0.0	-111.8	225.6	225.5	3.5
1.0	15.0	0.0	0.0	0.0	-118.3	238.7	238.6	3.5
1.0	15.0	0.0	0.0	0.0	-130.2	262.4	262.4	5.6
1.0	15.0	2.0	0.0	0.0	-153.1	317.8	316.2	16.8
1.0	15.0	3.0	0.0	0.0	-136.8	285.3	283.7	9.3
1.0	15.0	0.0	0.0	0.0	-140.9	284.0	283.9	6.8
1.0	15.0	0.0	1.0	0.0	-109.0	229.5	227.9	2.4
1.0	15.0	0.0	0.0	0.0	-69.0	140.1	140.0	1.2
1.0	15.0	1.0	0.0	0.0	-70.9	153.4	151.9	1.0
1.0	15.0	0.0	0.0	0.0	-112.5	227.1	227.0	3.4
1.0	15.0	0.0	0.0	0.0	-134.7	271.4	271.4	5.0
1.0	15.0	1.0	0.0	0.0	-140.0	291.5	289.9	5.8
1.0	15.0	1.0	0.0	0.0	-115.0	241.6	240.0	3.8
1.0	15.0	0.0	0.0	0.0	-158.0	318.2	318.1	8.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-135.4	282.4	280.8	8.0
1.0	15.0	0.0	3.0	0.0	-163.5	338.6	337.0	10.2
1.0	15.0	2.0	0.0	0.0	-164.8	341.2	339.7	11.4
1.0	15.0	0.0	3.0	0.0	-151.3	314.2	312.6	8.0
1.0	15.0	0.0	3.0	0.0	-113.6	238.8	237.3	5.4
1.0	15.0	0.0	0.0	0.0	-66.3	134.7	134.6	1.0
1.0	15.0	2.0	0.0	0.0	-115.5	242.5	240.9	23.2
0.9	15.0	0.0	3.0	0.0	-127.7	267.0	265.4	4.9
1.0	15.0	0.0	1.0	0.0	-117.1	245.7	244.2	3.0
1.0	15.0	2.0	0.0	0.0	-134.4	280.4	278.8	5.7
1.0	15.0	2.0	0.0	0.0	-151.7	315.0	313.5	7.1
1.0	15.0	0.0	1.0	0.0	-179.5	370.6	369.1	13.4
1.0	15.0	0.0	1.0	0.0	-123.5	258.6	257.0	4.1
1.0	15.0	2.0	0.0	0.0	-153.2	318.0	316.4	8.7
1.0	15.0	2.0	0.0	0.0	-140.3	292.1	290.6	7.1
1.0	15.0	0.0	1.0	0.0	-153.1	308.2	308.2	11.0
1.0	15.0	0.0	1.0	0.0	-143.4	298.4	296.9	11.0
1.0	15.0	0.0	0.0	0.0	-119.6	241.3	241.2	4.2
1.0	15.0	1.0	0.0	0.0	-130.8	273.2	271.7	19.6
1.0	15.0	0.0	1.0	0.0	-178.7	359.4	359.3	18.6
1.0	15.0	0.0	1.0	0.0	-134.6	280.6	279.1	4.9
1.0	15.0	0.0	0.0	0.0	-147.3	296.7	296.6	6.2
1.0	15.0	1.0	0.0	0.0	-142.9	297.4	295.9	6.0
1.0	15.0	0.0	1.0	0.0	-132.2	275.9	274.4	5.3
1.0	15.0	0.0	0.0	0.0	-120.2	242.5	242.4	3.4
1.0	15.0	2.0	0.0	0.0	-162.5	336.6	335.0	8.5
1.0	15.0	2.0	0.0	0.0	-121.2	254.0	252.5	3.8
1.0	15.0	0.0	0.0	0.0	-151.1	304.3	304.2	7.5
1.0	15.0	0.0	4.0	0.0	-154.4	320.3	318.7	10.5
1.0	15.0	2.0	2.0	0.0	-142.0	304.1	300.1	9.2
0.7	15.0	4.0	0.0	0.0	-173.8	367.6	363.6	20.7
1.0	15.0	0.0	2.0	0.0	-147.6	306.7	305.1	14.6
0.9	15.0	0.0	3.0	0.0	-118.5	248.5	246.9	4.2
1.0	15.0	0.0	3.0	0.0	-193.6	398.7	397.2	37.8
0.9	15.0	1.0	1.0	0.0	-167.3	346.2	344.6	21.1
1.0	15.0	0.0	3.0	0.0	-169.5	350.5	349.0	12.1
1.0	15.0	0.0	5.0	0.0	-144.4	300.4	298.9	6.2
1.0	15.0	0.0	0.0	0.0	-119.8	241.7	241.6	5.3
1.0	15.0	5.0	0.0	0.0	-154.9	321.3	319.7	19.2
1.0	15.0	0.0	1.0	0.0	-169.9	351.3	349.7	19.8
1.0	15.0	0.0	3.0	0.0	-133.1	277.8	276.2	12.9
1.0	15.0	0.0	0.0	0.0	-68.8	139.6	139.5	1.5
1.0	15.0	3.0	0.0	0.0	-117.7	246.9	245.4	18.7
1.0	15.0	0.0	2.0	0.0	-153.5	318.6	317.0	17.8
1.0	15.0	0.0	4.0	0.0	-147.0	305.6	304.1	8.8
1.0	15.0	4.0	0.0	0.0	-127.8	275.6	271.6	7.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-169.7	351.0	349.5	23.0
1.0	15.0	0.0	3.0	0.0	-162.6	336.8	335.3	12.7
1.0	15.0	0.0	5.0	0.0	-160.8	333.1	331.6	9.3
1.0	15.0	0.0	0.0	0.0	-69.7	141.6	141.5	1.1
1.0	15.0	1.0	0.0	0.0	-101.0	213.6	212.1	3.7
1.0	15.0	0.0	1.0	0.0	-153.0	317.5	316.0	18.8
1.0	15.0	0.0	2.0	0.0	-132.0	275.5	273.9	8.5
1.0	15.0	0.0	0.0	0.0	-123.6	249.3	249.2	4.4
1.0	15.0	1.0	0.0	0.0	-130.1	271.8	270.3	25.2
1.0	15.0	0.0	1.0	0.0	-172.3	356.1	354.6	16.1
1.0	15.0	0.0	4.0	0.0	-135.6	282.7	281.2	6.4
1.0	15.0	0.0	3.0	0.0	-155.7	323.1	321.5	11.2
0.7	15.0	4.0	0.0	0.0	-169.3	358.5	354.5	15.4
1.0	15.0	0.0	1.0	0.0	-153.7	318.9	317.4	11.1
1.0	15.0	0.0	3.0	0.0	-134.8	281.2	279.6	4.9
1.0	15.0	0.0	1.0	0.0	-120.2	252.0	250.5	3.4
1.0	15.0	3.0	0.0	0.0	-110.7	233.0	231.5	3.1
1.0	15.0	0.0	1.0	0.0	-150.9	313.2	311.7	7.6
1.0	15.0	0.0	3.0	0.0	-148.2	307.9	306.4	10.0
1.0	15.0	0.0	0.0	0.0	-101.0	204.1	204.1	3.6
1.0	15.0	2.0	0.0	0.0	-127.7	266.9	265.4	21.2
0.8	15.0	0.0	2.0	0.0	-180.2	362.4	362.3	20.4
1.0	15.0	0.0	3.0	0.0	-165.4	342.4	340.9	12.0
0.8	15.0	2.0	0.0	0.0	-122.0	264.1	260.1	6.1
1.0	15.0	3.0	0.0	0.0	-159.1	329.7	328.2	24.5
1.0	15.0	0.0	3.0	0.0	-196.2	404.0	402.5	18.8
1.0	15.0	0.0	3.0	0.0	-131.9	275.4	273.9	7.2
1.0	15.0	0.0	0.0	0.0	-74.7	151.5	151.4	4.5
1.0	15.0	2.0	0.0	0.0	-91.6	194.7	193.2	4.2
1.0	15.0	0.0	2.0	0.0	-175.0	361.6	360.0	14.1
1.0	15.0	0.0	1.0	0.0	-120.0	251.5	249.9	3.3
1.0	15.0	0.0	0.0	0.0	-108.7	219.4	219.3	4.7
1.0	15.0	1.0	0.0	0.0	-121.5	254.6	253.1	18.9
1.0	15.0	0.0	1.0	0.0	-138.4	288.4	286.9	5.2
1.0	15.0	0.0	4.0	0.0	-118.1	247.7	246.1	3.9
1.0	15.0	2.0	2.0	0.0	-136.9	293.8	289.8	8.3
0.5	15.0	3.0	0.0	0.0	-161.4	342.9	338.9	11.1
1.0	15.0	0.0	1.0	0.0	-127.4	266.3	264.7	5.5
1.0	15.0	0.0	3.0	0.0	-140.5	292.6	291.1	6.1
1.0	15.0	0.0	3.0	0.0	-169.0	349.5	348.0	26.0
1.0	15.0	2.0	1.0	0.0	-121.0	262.0	258.0	10.1
1.0	15.0	0.0	2.0	0.0	-160.2	331.9	330.4	10.7
1.0	15.0	0.0	4.0	0.0	-131.7	274.9	273.4	5.0
1.0	15.0	0.0	1.0	0.0	-115.0	241.5	239.9	4.0
1.0	15.0	4.0	0.0	0.0	-141.4	294.3	292.7	13.5
1.0	15.0	0.0	1.0	0.0	-178.0	367.5	366.0	12.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-112.8	237.1	235.6	2.9
1.0	15.0	0.0	0.0	0.0	-90.9	183.9	183.9	1.8
1.0	15.0	3.0	0.0	0.0	-100.5	212.5	211.0	8.0
1.0	15.0	0.0	2.0	0.0	-152.7	317.0	315.4	9.5
1.0	15.0	0.0	3.0	0.0	-140.6	292.8	291.3	5.0
1.0	15.0	2.0	0.0	0.0	-103.7	227.3	223.3	3.8
1.0	15.0	3.0	0.0	0.0	-131.8	275.2	273.7	13.5
1.0	15.0	0.0	2.0	0.0	-172.2	355.9	354.3	11.4
1.0	15.0	0.0	4.0	0.0	-123.7	259.0	257.4	3.9
1.0	15.0	0.0	0.0	0.0	-61.4	124.9	124.8	1.0
1.0	15.0	2.0	0.0	0.0	-75.7	163.0	161.4	1.6
1.0	15.0	0.0	1.0	0.0	-146.9	305.4	303.8	6.3
1.0	15.0	0.0	3.0	0.0	-131.2	273.9	272.4	4.5
1.0	15.0	0.0	0.0	0.0	-121.9	246.0	245.9	3.5
1.0	15.0	2.0	0.0	0.0	-117.1	245.7	244.2	11.5
1.0	15.0	0.0	1.0	0.0	-162.1	335.8	334.3	9.1
1.0	15.0	0.0	1.0	0.0	-122.9	257.3	255.8	3.5
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	4.8
1.0	15.0	1.0	0.0	0.0	-108.2	228.0	226.4	3.1
1.0	15.0	0.0	1.0	0.0	-160.2	331.8	330.3	10.6
1.0	15.0	0.0	1.0	0.0	-142.9	297.4	295.8	5.7
0.6	15.0	1.0	0.0	0.0	-103.5	226.9	222.9	6.5
0.6	15.0	2.0	0.0	0.0	-113.2	246.4	242.4	4.4
1.0	15.0	0.0	1.0	0.0	-171.9	355.4	353.9	10.5
1.0	15.0	0.0	2.0	0.0	-130.9	273.3	271.8	4.6
1.0	15.0	3.0	0.0	0.0	-130.8	273.2	271.6	5.3
1.0	15.0	3.0	0.0	0.0	-125.6	262.7	261.2	7.0
1.0	15.0	0.0	0.0	0.0	-131.6	265.3	265.2	4.9
1.0	15.0	0.0	0.0	0.0	-117.3	236.7	236.6	4.4
1.0	15.0	2.0	0.0	0.0	-158.4	328.4	326.8	9.7
1.0	15.0	2.0	0.0	0.0	-114.1	239.8	238.3	3.2
1.0	15.0	0.0	0.0	0.0	-161.5	325.0	324.9	8.2
1.0	15.0	0.0	7.0	0.0	-153.8	327.6	323.6	8.3
1.0	15.0	2.0	4.0	0.0	-132.0	284.0	280.0	4.5
0.8	15.0	3.0	0.0	0.0	-172.5	365.0	361.0	13.8
1.0	15.0	1.0	2.0	0.0	-133.4	278.4	276.9	7.8
0.9	15.0	0.0	4.0	0.0	-146.0	303.5	301.9	8.2
1.0	15.0	1.0	5.0	0.0	-212.8	437.1	435.5	34.9
1.0	15.0	2.0	4.0	0.0	-168.8	357.6	353.6	15.3
1.0	15.0	0.0	5.0	0.0	-157.9	327.3	325.7	10.8
0.9	15.0	0.0	5.0	0.0	-139.3	290.2	288.6	5.6
1.0	15.0	0.0	0.0	0.0	-89.1	180.2	180.1	1.7
1.0	15.0	5.0	0.0	0.0	-104.3	220.2	218.6	9.8
1.0	15.0	0.0	6.0	0.0	-136.5	284.6	283.1	5.9
1.0	15.0	0.0	3.0	0.0	-158.2	327.9	326.4	11.3
1.0	15.0	5.0	0.0	0.0	-116.8	245.0	243.5	3.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-149.5	310.6	309.1	8.3
1.0	15.0	0.0	3.0	0.0	-185.5	382.5	381.0	16.2
1.0	15.0	0.0	6.0	0.0	-142.2	296.0	294.5	6.3
1.0	15.0	3.0	3.0	0.0	-107.8	235.7	231.7	2.3
1.0	15.0	4.0	0.0	0.0	-155.1	321.8	320.3	9.8
1.0	15.0	0.0	5.0	0.0	-167.9	347.4	345.8	10.4
1.0	15.0	0.0	4.0	0.0	-149.5	310.5	308.9	9.7
1.0	15.0	2.0	3.0	0.0	-140.0	300.0	296.0	6.0
1.0	15.0	2.0	1.0	0.0	-157.6	335.1	331.1	8.9
1.0	15.0	0.0	0.0	0.0	-159.8	321.6	321.5	10.7
1.0	15.0	0.0	4.0	0.0	-129.3	270.2	268.7	10.6
1.0	15.0	0.0	3.0	0.0	-77.5	166.6	165.0	0.9
0.7	15.0	4.0	0.0	0.0	-109.1	238.2	234.2	9.3
1.0	15.0	0.0	5.0	0.0	-155.1	321.7	320.1	8.0
1.0	15.0	0.0	5.0	0.0	-154.2	320.0	318.4	8.1
1.0	15.0	2.0	2.0	0.0	-116.9	253.8	249.8	3.2
1.0	15.0	3.0	0.0	0.0	-149.7	311.0	309.4	9.4
1.0	15.0	0.0	4.0	0.0	-180.2	372.0	370.4	13.0
0.8	15.0	0.0	7.0	0.0	-149.1	309.7	308.1	8.2
0.8	15.0	9.0	0.0	0.0	-184.4	380.3	378.7	22.4
1.0	15.0	9.0	0.0	0.0	-186.9	385.3	383.7	24.1
1.0	15.0	0.0	0.0	0.0	-134.7	271.6	271.5	5.2
1.0	15.0	1.0	3.0	0.0	-135.2	282.0	280.4	6.0
1.0	15.0	4.0	0.0	0.0	-101.0	213.5	211.9	3.6
1.0	15.0	5.0	0.0	0.0	-81.3	174.2	172.7	1.8
1.0	15.0	0.0	0.0	0.0	-134.3	270.8	270.7	7.8
0.7	15.0	0.0	7.0	0.0	-140.5	300.9	296.9	6.0
1.0	15.0	5.0	0.0	0.0	-138.5	297.1	293.1	9.4
1.0	15.0	6.0	0.0	0.0	-132.6	285.2	281.2	5.8
1.0	15.0	0.0	4.0	0.0	-186.9	385.2	383.7	18.9
1.0	15.0	0.0	0.0	0.0	-137.8	277.7	277.7	5.1
1.0	15.0	4.0	0.0	0.0	-149.9	311.4	309.9	6.5
1.0	15.0	4.0	0.0	0.0	-136.8	285.1	283.6	9.0
1.0	15.0	0.0	3.0	0.0	-157.5	326.5	325.0	9.3
0.5	15.0	8.0	0.0	0.0	-146.3	304.1	302.6	6.0
0.9	15.0	1.0	0.0	0.0	-124.9	261.3	259.7	8.4
0.6	15.0	1.0	0.0	0.0	-107.8	227.2	225.7	5.4
1.0	15.0	0.0	0.0	0.0	-171.0	344.2	344.1	11.8
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.2	4.8
1.0	15.0	8.0	0.0	0.0	-115.8	251.6	247.6	3.5
1.0	15.0	8.0	0.0	0.0	-118.5	257.0	253.0	3.9
1.0	15.0	0.0	2.0	0.0	-149.7	310.9	309.4	6.5
0.9	15.0	0.0	6.0	0.0	-162.0	335.6	334.1	9.8
1.0	15.0	2.0	3.0	0.0	-169.8	359.7	355.7	22.2
1.0	15.0	2.0	0.0	0.0	-172.3	364.5	360.5	28.6
1.0	15.0	0.0	1.0	0.0	-149.4	310.4	308.9	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-140.3	292.1	290.6	6.0
1.0	15.0	0.0	0.0	0.0	-78.5	159.0	159.0	1.6
1.0	15.0	3.0	0.0	0.0	-92.5	196.6	195.1	3.0
1.0	15.0	0.0	3.0	0.0	-151.3	314.2	312.7	7.8
1.0	15.0	0.0	3.0	0.0	-155.7	323.0	321.5	8.6
1.0	15.0	2.0	0.0	0.0	-129.4	278.8	274.8	14.4
1.0	15.0	3.0	0.0	0.0	-147.1	305.7	304.2	15.5
1.0	15.0	0.0	5.0	0.0	-170.2	351.9	350.3	11.6
1.0	15.0	0.0	4.0	0.0	-158.8	329.1	327.5	12.6
1.0	15.0	2.0	3.0	0.0	-161.0	342.1	338.1	18.4
1.0	15.0	2.0	0.0	0.0	-158.8	337.5	333.5	21.6
0.9	15.0	0.0	3.0	0.0	-162.0	335.6	334.0	11.8
1.0	15.0	0.0	4.0	0.0	-175.8	363.1	361.5	12.1
0.8	15.0	1.0	6.0	0.0	-220.9	461.7	457.7	50.1
0.9	15.0	2.0	6.0	0.0	-181.2	382.5	378.5	24.1
1.0	15.0	0.0	8.0	0.0	-164.8	341.2	339.6	9.2
1.0	15.0	3.0	2.0	0.0	-162.7	345.3	341.3	11.0
0.6	15.0	0.0	3.0	0.0	-133.4	286.7	282.7	4.9
1.0	15.0	1.0	1.0	0.0	-169.8	351.1	349.6	15.8
1.0	15.0	0.0	4.0	0.0	-184.7	381.0	379.4	14.4
1.0	15.0	0.0	4.0	0.0	-144.4	300.4	298.8	10.7
1.0	15.0	0.0	0.0	0.0	-75.4	152.8	152.7	1.3
1.0	15.0	4.0	0.0	0.0	-120.6	252.7	251.2	9.2
1.0	15.0	0.0	4.0	0.0	-151.3	314.1	312.5	18.1
1.0	15.0	0.0	3.0	0.0	-161.6	334.7	333.2	11.2
1.0	15.0	2.0	0.0	0.0	-148.6	317.2	313.2	14.8
1.0	15.0	5.0	0.0	0.0	-189.9	391.4	389.9	20.8
1.0	15.0	0.0	6.0	0.0	-190.7	393.0	391.5	16.1
1.0	15.0	0.0	4.0	0.0	-144.7	301.0	299.4	7.1
1.0	15.0	0.0	0.0	0.0	-71.6	145.3	145.2	1.2
1.0	15.0	2.0	0.0	0.0	-88.2	188.0	186.5	3.0
1.0	15.0	0.0	5.0	0.0	-161.1	333.7	332.1	9.2
1.0	15.0	0.0	7.0	0.0	-174.7	361.0	359.4	11.5
1.0	15.0	0.0	4.0	0.0	-123.8	259.2	257.7	3.7
1.0	15.0	5.0	0.0	0.0	-176.2	363.8	362.3	15.2
1.0	15.0	0.0	7.0	0.0	-183.5	378.6	377.1	18.6
0.9	15.0	0.0	3.0	0.0	-124.0	259.5	258.0	3.9
1.0	15.0	3.0	0.0	0.0	-162.0	344.1	340.1	17.7
0.8	15.0	4.0	0.0	0.0	-167.6	346.6	345.1	16.9
1.0	15.0	0.0	0.0	0.0	-145.9	293.9	293.8	6.9
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.6
1.0	15.0	1.0	0.0	0.0	-153.0	317.5	315.9	7.6
1.0	15.0	1.0	0.0	0.0	-136.7	284.8	283.3	5.6
1.0	15.0	0.0	0.0	0.0	-132.1	266.2	266.1	6.9
1.0	15.0	0.0	0.0	0.0	-135.8	273.7	273.6	5.8
0.5	15.0	2.0	0.0	0.0	-153.6	327.3	323.3	10.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	2.0	0.0	0.0	-158.2	327.9	326.4	12.4
1.0	15.0	0.0	0.0	0.0	-152.0	306.1	306.0	9.4
1.0	15.0	0.0	2.0	0.0	-117.6	246.8	245.3	3.5
1.0	15.0	3.0	0.0	0.0	-153.7	318.9	317.4	7.7
1.0	15.0	2.0	0.0	0.0	-129.0	269.5	267.9	6.9
1.0	15.0	0.0	0.0	0.0	-172.0	346.2	346.1	11.0
0.9	15.0	0.0	1.0	0.0	-128.4	268.4	266.9	5.0
1.0	15.0	1.0	0.0	0.0	-138.3	288.2	286.7	7.3
1.0	15.0	1.0	0.0	0.0	-132.7	277.0	275.4	7.3
1.0	15.0	0.0	0.0	0.0	-146.4	295.0	294.9	5.7
1.0	15.0	0.0	0.0	0.0	-131.5	265.1	265.0	4.2
1.0	15.0	1.0	1.0	0.0	-136.9	285.4	283.9	6.4
1.0	15.0	1.0	0.0	0.0	-127.3	266.2	264.6	4.2
1.0	15.0	0.0	0.0	0.0	-138.0	278.1	278.0	4.9
1.0	15.0	0.0	0.0	0.0	-128.5	259.1	259.0	4.0
0.8	15.0	4.0	0.0	0.0	-152.2	324.4	320.4	7.8
1.0	15.0	4.0	0.0	0.0	-119.8	259.6	255.6	3.8
1.0	15.0	0.0	0.0	0.0	-141.3	284.6	284.6	5.9
0.5	15.0	0.0	3.0	0.0	-113.7	247.4	243.4	3.3
1.0	15.0	4.0	0.0	0.0	-158.6	337.2	333.2	16.3
1.0	15.0	4.0	0.0	0.0	-131.4	282.7	278.7	7.9
1.0	15.0	0.0	0.0	0.0	-157.6	317.3	317.2	8.0
0.9	15.0	0.0	3.0	0.0	-129.6	270.8	269.2	4.0
1.0	15.0	0.0	0.0	0.0	-104.8	211.8	211.7	2.5
1.0	15.0	3.0	0.0	0.0	-94.5	200.6	199.1	2.0
1.0	15.0	0.0	0.0	0.0	-164.2	330.5	330.4	8.3
1.0	15.0	0.0	4.0	0.0	-127.9	275.8	271.8	5.1
1.0	15.0	4.0	1.0	0.0	-165.4	350.9	346.9	21.9
1.0	15.0	4.0	1.0	0.0	-145.0	310.1	306.1	9.0
1.0	15.0	0.0	0.0	0.0	-165.8	333.7	333.6	10.9
1.0	15.0	0.0	1.0	0.0	-144.3	300.1	298.6	6.5
1.0	15.0	3.0	2.0	0.0	-188.9	397.8	393.8	21.2
1.0	15.0	3.0	2.0	0.0	-151.5	323.0	319.0	11.1
1.0	15.0	0.0	2.0	0.0	-167.2	345.9	344.4	9.5
1.0	15.0	0.0	2.0	0.0	-126.9	265.3	263.7	8.1
1.0	15.0	0.0	0.0	0.0	-74.3	150.7	150.6	1.4
1.0	15.0	1.0	0.0	0.0	-87.2	185.9	184.4	12.0
1.0	15.0	0.0	2.0	0.0	-150.4	312.3	310.8	12.2
1.0	15.0	0.0	1.0	0.0	-123.7	259.0	257.4	3.6
1.0	15.0	0.0	0.0	0.0	-98.5	199.1	199.0	2.1
1.0	15.0	1.0	0.0	0.0	-84.8	181.1	179.5	1.8
1.0	15.0	0.0	2.0	0.0	-172.9	357.3	355.8	11.3
1.0	15.0	0.0	3.0	0.0	-146.3	304.1	302.6	8.1
1.0	15.0	1.0	1.0	0.0	-122.6	256.7	255.2	5.0
1.0	15.0	2.0	0.0	0.0	-148.9	309.4	307.8	10.7
1.0	15.0	0.0	2.0	0.0	-185.3	382.2	380.6	13.9



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-136.1	283.7	282.2	4.7
1.0	15.0	3.0	2.0	0.0	-187.2	394.4	390.4	23.0
1.0	15.0	4.0	1.0	0.0	-138.1	296.2	292.2	7.8
1.0	15.0	0.0	3.0	0.0	-143.5	298.5	297.0	6.7
1.0	15.0	0.0	1.0	0.0	-143.9	299.4	297.9	6.8
1.0	15.0	0.0	1.0	0.0	-116.6	244.7	243.2	3.2
1.0	15.0	1.0	0.0	0.0	-129.2	269.9	268.4	14.3
1.0	15.0	0.0	2.0	0.0	-166.4	344.4	342.8	10.9
1.0	15.0	0.0	2.0	0.0	-117.4	246.3	244.7	3.7
1.0	15.0	0.0	0.0	0.0	-73.6	149.3	149.2	2.9
1.0	15.0	1.0	0.0	0.0	-89.9	191.3	189.8	5.8
1.0	15.0	0.0	1.0	0.0	-138.6	288.7	287.2	5.4
1.0	15.0	0.0	1.0	0.0	-113.9	239.3	237.8	3.1
1.0	15.0	0.0	0.0	0.0	-101.4	204.9	204.8	3.2
0.8	15.0	1.0	0.0	0.0	-101.6	214.8	213.3	7.0
1.0	15.0	0.0	1.0	0.0	-155.4	322.4	320.9	9.0
1.0	15.0	0.0	2.0	0.0	-126.3	264.2	262.7	4.0
1.0	15.0	0.0	1.0	0.0	-110.7	232.8	231.3	2.6
1.0	15.0	1.0	0.0	0.0	-117.7	247.0	245.5	6.9
1.0	15.0	0.0	2.0	0.0	-170.6	352.7	351.1	11.4
1.0	15.0	0.0	0.0	0.0	-140.3	282.7	282.6	6.8
1.0	15.0	3.0	0.0	0.0	-185.0	381.5	380.0	29.6
1.0	15.0	2.0	0.0	0.0	-124.3	260.2	258.6	4.1
1.0	15.0	0.0	0.0	0.0	-165.2	332.5	332.4	9.9
1.0	15.0	0.0	0.0	0.0	-129.2	260.6	260.5	4.3
1.0	15.0	1.0	0.0	0.0	-102.5	216.6	215.1	1.8
1.0	15.0	1.0	0.0	0.0	-78.7	169.0	167.5	1.0
1.0	15.0	0.0	0.0	0.0	-162.4	326.9	326.8	8.3
1.0	15.0	0.0	0.0	0.0	-118.8	239.6	239.5	3.5
0.6	15.0	2.0	0.0	0.0	-140.9	301.8	297.8	5.2
0.9	15.0	3.0	0.0	0.0	-107.5	234.9	230.9	2.1
1.0	15.0	0.0	0.0	0.0	-141.8	285.6	285.5	6.4
1.0	15.0	0.0	2.0	0.0	-121.7	254.9	253.3	3.4
1.0	15.0	0.0	0.0	0.0	-65.8	133.7	133.6	1.0
1.0	15.0	2.0	0.0	0.0	-70.3	152.1	150.5	0.8
1.0	15.0	0.0	0.0	0.0	-148.8	299.6	299.5	6.9
1.0	15.0	0.0	4.0	0.0	-142.7	305.5	301.5	6.3
1.0	15.0	1.0	2.0	0.0	-144.6	309.1	305.1	8.3
1.0	15.0	2.0	0.0	0.0	-140.2	300.3	296.3	8.7
1.0	15.0	0.0	4.0	0.0	-157.2	334.4	330.4	8.6
1.0	15.0	0.0	5.0	0.0	-160.8	333.1	331.5	10.0
0.7	15.0	2.0	4.0	0.0	-204.8	429.5	425.5	33.3
0.6	15.0	1.0	4.0	0.0	-167.9	355.9	351.9	19.5
1.0	15.0	0.0	6.0	0.0	-163.6	338.7	337.1	10.6
0.6	15.0	0.0	4.0	0.0	-157.6	335.1	331.1	19.4
1.0	15.0	0.0	0.0	0.0	-72.9	147.8	147.7	1.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	4.0	0.0	0.0	-126.3	272.6	268.6	16.2
1.0	15.0	0.0	5.0	0.0	-174.8	361.2	359.7	24.1
1.0	15.0	0.0	2.0	0.0	-146.0	303.5	302.0	6.9
0.6	15.0	1.0	0.0	0.0	-123.6	267.1	263.1	7.8
1.0	15.0	3.0	0.0	0.0	-133.4	278.3	276.8	11.1
1.0	15.0	0.0	4.0	0.0	-183.3	378.1	376.5	15.8
1.0	15.0	0.0	4.0	0.0	-139.0	289.5	288.0	6.5
1.0	15.0	0.0	0.0	0.0	-128.1	258.3	258.2	5.0
1.0	15.0	4.0	0.0	0.0	-149.0	309.5	308.0	13.3
1.0	15.0	0.0	4.0	0.0	-151.5	314.6	313.0	9.7
1.0	15.0	0.0	5.0	0.0	-108.2	236.3	232.3	3.1
0.8	15.0	6.0	0.0	0.0	-174.4	368.8	364.8	21.3
1.0	15.0	6.0	0.0	0.0	-139.6	299.3	295.3	9.4
1.0	15.0	0.0	0.0	0.0	-155.1	312.3	312.2	7.6
1.0	15.0	0.0	0.0	0.0	-133.7	269.5	269.4	4.8
1.0	15.0	2.0	0.0	0.0	-118.3	248.1	246.6	6.4
1.0	15.0	2.0	0.0	0.0	-112.7	236.9	235.3	4.8
1.0	15.0	0.0	0.0	0.0	-154.5	311.1	311.0	9.8
1.0	15.0	1.0	1.0	0.0	-126.6	264.8	263.2	4.0
0.8	15.0	5.0	0.0	0.0	-139.9	291.3	289.7	8.2
0.9	15.0	4.0	0.0	0.0	-118.0	247.6	246.0	4.3
1.0	15.0	0.0	0.0	0.0	-157.1	316.4	316.3	7.7
1.0	15.0	0.0	1.0	0.0	-115.5	242.6	241.0	3.0
1.0	15.0	4.0	0.0	0.0	-114.0	239.6	238.1	3.6
1.0	15.0	3.0	0.0	0.0	-110.7	232.9	231.4	3.4
1.0	15.0	0.0	0.0	0.0	-148.0	298.1	298.0	6.4
1.0	15.0	0.0	5.0	0.0	-128.3	276.7	272.7	4.4
1.0	15.0	6.0	0.0	0.0	-193.7	399.0	397.4	23.5
0.9	15.0	6.0	0.0	0.0	-166.2	352.5	348.5	14.8
1.0	15.0	0.0	0.0	0.0	-158.6	319.2	319.1	7.8
1.0	15.0	0.0	0.0	0.0	-120.1	242.3	242.2	3.8
1.0	15.0	2.0	0.0	0.0	-113.8	239.1	237.5	4.9
1.0	15.0	1.0	0.0	0.0	-109.1	229.7	228.2	4.2
1.0	15.0	0.0	1.0	0.0	-161.9	325.9	325.8	11.2
1.0	15.0	0.0	0.0	0.0	-130.7	263.5	263.4	4.3
1.0	15.0	4.0	0.0	0.0	-123.9	267.8	263.8	4.0
1.0	15.0	3.0	0.0	0.0	-107.1	234.2	230.2	2.6
1.0	15.0	0.0	0.0	0.0	-159.8	321.7	321.6	8.4
1.0	15.0	0.0	4.0	0.0	-121.1	253.8	252.2	3.5
1.0	15.0	4.0	0.0	0.0	-162.1	335.7	334.2	10.9
1.0	15.0	3.0	0.0	0.0	-119.5	250.6	249.1	4.4
1.0	15.0	0.0	0.0	0.0	-137.3	276.7	276.6	4.8
1.0	15.0	0.0	2.0	0.0	-140.9	293.2	291.7	7.5
1.0	15.0	5.0	0.0	0.0	-163.0	337.5	335.9	12.5
1.0	15.0	5.0	0.0	0.0	-139.8	291.1	289.5	13.1
1.0	15.0	0.0	0.0	0.0	-143.8	289.6	289.6	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-155.0	312.2	312.1	7.2
0.5	15.0	2.0	3.0	0.0	-172.4	364.8	360.8	11.0
1.0	15.0	0.0	2.0	0.0	-156.1	323.7	322.1	9.4
1.0	15.0	0.0	0.0	0.0	-162.0	326.1	326.0	9.3
1.0	15.0	0.0	3.0	0.0	-115.2	242.0	240.5	3.3
1.0	15.0	3.0	0.0	0.0	-111.6	243.1	239.1	3.1
1.0	15.0	4.0	0.0	0.0	-109.9	239.8	235.8	3.1
1.0	15.0	0.0	0.0	0.0	-165.4	333.0	332.9	9.5
1.0	15.0	0.0	2.0	0.0	-112.2	236.0	234.4	2.6
1.0	15.0	4.0	0.0	0.0	-124.8	269.6	265.6	4.5
1.0	15.0	3.0	0.0	0.0	-102.2	224.4	220.4	1.7
1.0	15.0	0.0	0.0	0.0	-164.9	331.9	331.8	9.8
1.0	15.0	0.0	0.0	0.0	-137.4	277.0	276.9	5.7
1.0	15.0	2.0	0.0	0.0	-162.6	336.8	335.2	8.3
1.0	15.0	2.0	0.0	0.0	-144.3	300.1	298.5	6.3
1.0	15.0	0.0	0.0	0.0	-155.6	313.3	313.2	6.9
1.0	15.0	0.0	0.0	0.0	-127.9	257.9	257.8	4.0
1.0	15.0	2.0	0.0	0.0	-153.7	319.0	317.5	13.0
1.0	15.0	3.0	0.0	0.0	-135.4	282.3	280.7	8.5
1.0	15.0	0.0	0.0	0.0	-159.5	321.0	320.9	7.8
1.0	15.0	0.0	0.0	0.0	-119.2	240.6	240.5	4.3
0.9	15.0	3.0	0.0	0.0	-168.7	357.4	353.4	14.0
0.9	15.0	3.0	0.0	0.0	-144.8	309.7	305.7	10.2
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	6.8
1.0	15.0	0.0	5.0	0.0	-142.4	296.3	294.7	5.8
0.9	15.0	6.0	0.0	0.0	-203.1	417.7	416.2	32.1
1.0	15.0	5.0	0.0	0.0	-140.6	292.7	291.1	8.3
1.0	15.0	0.0	0.0	0.0	-157.8	317.7	317.6	8.9
0.9	15.0	0.0	2.0	0.0	-100.5	221.1	217.1	2.4
1.0	15.0	1.0	1.0	0.0	-140.7	301.5	297.5	8.9
1.0	15.0	1.0	0.0	0.0	-129.9	279.7	275.7	7.4
1.0	15.0	0.0	0.0	0.0	-141.9	285.8	285.7	5.6
1.0	15.0	0.0	2.0	0.0	-112.2	236.1	234.5	3.4
1.0	15.0	3.0	0.0	0.0	-167.6	346.7	345.1	11.2
1.0	15.0	3.0	0.0	0.0	-136.5	284.6	283.0	6.0
1.0	15.0	0.0	0.0	0.0	-149.0	300.2	300.1	6.5
1.0	15.0	0.0	3.0	0.0	-140.2	292.0	290.4	6.0
1.0	15.0	1.0	0.0	0.0	-139.8	291.2	289.6	13.0
1.0	15.0	2.0	0.0	0.0	-150.9	313.4	311.9	18.2
1.0	15.0	0.0	0.0	0.0	-125.0	252.1	252.0	4.5
1.0	15.0	0.0	0.0	0.0	-123.9	250.0	249.9	4.5
1.0	15.0	2.0	0.0	0.0	-167.3	336.7	336.6	16.7
0.8	15.0	3.0	0.0	0.0	-127.1	275.1	270.3	9.4
1.0	15.0	0.0	0.0	0.0	-109.4	221.0	220.9	6.0
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.6	3.5
0.8	15.0	3.0	0.0	0.0	-128.2	276.3	272.3	7.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	3.0	0.0	0.0	-115.9	251.7	247.7	5.4
1.0	15.0	0.0	0.0	0.0	-180.5	363.1	363.0	12.7
1.0	15.0	0.0	3.0	0.0	-137.5	286.5	285.0	5.1
1.0	15.0	7.0	0.0	0.0	-178.5	377.1	373.1	16.5
1.0	15.0	7.0	0.0	0.0	-147.6	315.1	311.1	6.6
1.0	15.0	0.0	0.0	0.0	-148.2	298.5	298.4	6.9
1.0	15.0	0.0	1.0	0.0	-126.9	265.4	263.9	5.3
1.0	15.0	0.0	0.0	0.0	-83.9	169.9	169.8	3.4
1.0	15.0	1.0	0.0	0.0	-88.3	188.1	186.6	2.7
1.0	15.0	0.0	1.0	0.0	-180.6	372.7	371.2	12.9
1.0	15.0	0.0	1.0	0.0	-123.5	258.6	257.0	4.1
1.0	15.0	0.0	0.0	0.0	-119.0	240.1	240.0	4.4
0.5	15.0	2.0	0.0	0.0	-102.8	217.2	215.6	1.9
1.0	15.0	0.0	0.0	0.0	-165.9	333.9	333.8	10.8
1.0	15.0	0.0	1.0	0.0	-106.5	224.5	223.0	5.1
1.0	15.0	1.0	0.0	0.0	-135.9	283.3	281.8	14.5
0.8	15.0	1.0	0.0	0.0	-136.5	284.5	283.0	14.6
1.0	15.0	0.0	0.0	0.0	-136.6	275.4	275.3	4.9
1.0	15.0	0.0	1.0	0.0	-111.5	234.6	233.1	2.6
1.0	15.0	1.0	0.0	0.0	-131.5	274.5	272.9	4.3
1.0	15.0	1.0	0.0	0.0	-128.9	269.4	267.8	4.4
1.0	15.0	0.0	0.0	0.0	-169.3	340.8	340.7	11.3
0.8	15.0	2.0	5.0	0.0	-155.1	321.6	320.1	7.1
0.9	15.0	1.0	0.0	0.0	-88.9	189.4	187.9	4.9
1.0	15.0	1.0	0.0	0.0	-83.3	178.1	176.6	4.8
1.0	15.0	2.0	0.0	0.0	-126.9	265.3	263.8	3.9
1.0	15.0	0.0	0.0	0.0	-136.9	275.9	275.8	5.3
1.0	15.0	2.0	0.0	0.0	-144.9	301.3	299.8	7.2
1.0	15.0	1.0	0.0	0.0	-125.8	263.2	261.6	5.0
1.0	15.0	0.0	0.0	0.0	-143.9	290.0	289.9	6.6
1.0	15.0	0.0	1.0	0.0	-126.5	264.5	263.0	4.0
0.6	15.0	2.0	0.0	0.0	-168.6	348.7	347.2	10.8
1.0	15.0	1.0	0.0	0.0	-134.0	279.5	278.0	5.9
1.0	15.0	0.0	1.0	0.0	-164.1	330.3	330.2	10.7
1.0	15.0	0.0	0.0	0.0	-116.6	235.3	235.2	3.0
1.0	15.0	1.0	0.0	0.0	-102.3	216.2	214.7	1.8
1.0	15.0	1.0	0.0	0.0	-81.5	174.5	173.0	1.1
1.0	15.0	0.0	0.0	0.0	-150.0	302.0	301.9	8.1
1.0	15.0	0.0	1.0	0.0	-108.8	229.1	227.6	2.4
1.0	15.0	0.0	0.0	0.0	-107.6	217.3	217.2	3.0
0.8	15.0	1.0	0.0	0.0	-84.8	181.2	179.7	2.0
1.0	15.0	0.0	1.0	0.0	-170.5	352.6	351.0	10.6
1.0	15.0	0.0	2.0	0.0	-121.7	255.0	253.5	3.5
1.0	15.0	0.0	0.0	0.0	-116.9	235.8	235.8	3.3
1.0	15.0	1.0	0.0	0.0	-109.4	230.2	228.7	4.3
1.0	15.0	0.0	1.0	0.0	-156.7	325.0	323.4	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-113.5	238.5	237.0	3.9
1.0	15.0	2.0	1.0	0.0	-126.2	272.4	268.4	6.2
1.0	15.0	3.0	0.0	0.0	-128.6	268.8	267.3	6.2
1.0	15.0	0.0	2.0	0.0	-134.5	280.5	279.0	6.6
1.0	15.0	0.0	3.0	0.0	-151.4	314.3	312.8	17.4
1.0	15.0	2.0	2.0	0.0	-202.9	425.9	421.8	130.8
0.9	15.0	3.0	0.0	0.0	-162.6	345.4	341.3	28.3
1.0	15.0	0.0	3.0	0.0	-156.0	323.5	321.9	16.5
1.0	15.0	1.0	1.0	0.0	-131.4	274.4	272.8	5.5
1.0	15.0	0.0	2.0	0.0	-102.9	217.3	215.7	1.8
1.0	15.0	1.0	0.0	0.0	-116.5	244.6	243.0	4.1
1.0	15.0	0.0	2.0	0.0	-149.0	309.5	308.0	7.1
1.0	15.0	0.0	2.0	0.0	-107.0	225.5	224.0	2.2
1.0	15.0	0.0	0.0	0.0	-60.8	123.6	123.5	0.9
1.0	15.0	1.0	0.0	0.0	-80.1	171.7	170.1	4.0
1.0	15.0	0.0	3.0	0.0	-146.3	304.2	302.7	6.0
1.0	15.0	0.0	2.0	0.0	-140.9	293.3	291.7	16.2
1.0	15.0	0.0	0.0	0.0	-94.7	191.5	191.4	3.4
1.0	15.0	1.0	0.0	0.0	-139.1	289.7	288.1	34.9
1.0	15.0	0.0	2.0	0.0	-172.0	355.6	354.0	17.0
1.0	15.0	0.0	2.0	0.0	-141.2	293.9	292.4	6.6
1.0	15.0	0.0	0.0	0.0	-79.1	160.3	160.2	1.8
1.0	15.0	2.0	0.0	0.0	-67.6	146.7	145.1	1.0
1.0	15.0	0.0	2.0	0.0	-177.7	366.9	365.4	14.5
1.0	15.0	0.0	2.0	0.0	-159.9	331.3	329.7	19.7
1.0	15.0	0.0	2.0	0.0	-111.0	233.6	232.1	3.5
1.0	15.0	1.0	0.0	0.0	-149.6	310.8	309.2	36.3
1.0	15.0	0.0	2.0	0.0	-168.5	348.5	346.9	20.0
1.0	15.0	0.0	2.0	0.0	-120.4	252.4	250.9	3.7
0.8	15.0	2.0	1.0	0.0	-151.7	323.5	319.5	8.3
0.9	15.0	3.0	0.0	0.0	-124.7	269.3	265.3	5.8
1.0	15.0	0.0	1.0	0.0	-145.4	302.2	300.7	6.1
1.0	15.0	0.0	1.0	0.0	-111.0	233.5	231.9	2.7
1.0	15.0	2.0	1.0	0.0	-164.5	349.1	345.1	18.9
1.0	15.0	2.0	0.0	0.0	-123.4	266.7	262.7	8.2
1.0	15.0	0.0	1.0	0.0	-146.4	304.4	302.9	7.2
1.0	15.0	1.0	1.0	0.0	-140.0	291.5	290.0	5.8
0.9	15.0	0.0	1.0	0.0	-105.3	222.2	220.6	2.5
1.0	15.0	1.0	0.0	0.0	-114.0	239.5	237.9	3.3
1.0	15.0	0.0	1.0	0.0	-161.2	334.0	332.5	8.9
1.0	15.0	0.0	1.0	0.0	-130.4	272.3	270.7	7.9
1.0	15.0	0.0	0.0	0.0	-63.7	129.5	129.4	1.8
0.6	15.0	1.0	0.0	0.0	-97.8	207.1	205.6	15.7
1.0	15.0	0.0	1.0	0.0	-176.7	364.9	363.4	12.1
1.0	15.0	0.0	1.0	0.0	-123.5	258.5	257.0	4.3
1.0	15.0	0.0	0.0	0.0	-70.3	142.8	142.7	1.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	1.0	0.0	0.0	-64.1	139.7	138.2	0.6
1.0	15.0	0.0	1.0	0.0	-154.1	319.7	318.2	12.4
1.0	15.0	0.0	2.0	0.0	-124.8	261.2	259.7	3.9
1.0	15.0	3.0	0.0	0.0	-140.2	300.3	296.3	15.5
1.0	15.0	3.0	0.0	0.0	-131.0	282.0	278.0	10.9
1.0	15.0	0.0	1.0	0.0	-126.1	263.8	262.3	4.1
1.0	15.0	0.0	1.0	0.0	-128.5	268.5	266.9	5.7
0.9	15.0	1.0	1.0	0.0	-181.1	373.7	372.1	32.6
0.7	15.0	1.0	0.0	0.0	-132.9	285.8	281.8	11.0
1.0	15.0	0.0	1.0	0.0	-129.4	270.2	268.7	6.6
1.0	15.0	0.0	1.0	0.0	-122.7	256.9	255.4	3.5
1.0	15.0	0.0	0.0	0.0	-78.5	159.1	159.0	1.7
1.0	15.0	1.0	0.0	0.0	-87.1	185.7	184.2	1.9
1.0	15.0	0.0	1.0	0.0	-148.1	307.7	306.1	5.9
1.0	15.0	0.0	3.0	0.0	-123.3	258.2	256.6	3.6
1.0	15.0	3.0	0.0	0.0	-130.5	281.0	277.0	7.2
1.0	15.0	4.0	0.0	0.0	-128.1	276.2	272.2	5.7
1.0	15.0	0.0	2.0	0.0	-141.5	294.6	293.0	6.8
1.0	15.0	0.0	1.0	0.0	-116.9	245.4	243.9	3.2
1.0	15.0	0.0	0.0	0.0	-70.6	143.3	143.2	1.2
0.6	15.0	1.0	0.0	0.0	-79.4	170.2	168.7	3.9
1.0	15.0	0.0	3.0	0.0	-148.7	309.0	307.5	6.9
1.0	15.0	0.0	2.0	0.0	-138.7	289.0	287.4	5.4
1.0	15.0	0.0	0.0	0.0	-114.2	230.4	230.3	3.4
1.0	15.0	1.0	0.0	0.0	-123.6	258.8	257.3	23.4
1.0	15.0	0.0	1.0	0.0	-146.2	304.0	302.5	6.7
1.0	15.0	0.0	3.0	0.0	-149.8	311.1	309.6	6.2
1.0	15.0	1.0	0.0	0.0	-157.9	327.4	325.9	13.4
1.0	15.0	2.0	0.0	0.0	-129.8	271.1	269.6	4.5
1.0	15.0	0.0	0.0	0.0	-139.1	280.4	280.3	4.8
1.0	15.0	0.0	0.0	0.0	-117.7	237.5	237.4	3.7
1.0	15.0	1.0	0.0	0.0	-162.5	336.5	334.9	16.7
1.0	15.0	2.0	0.0	0.0	-124.5	260.6	259.0	6.1
1.0	15.0	0.0	0.0	0.0	-162.5	327.1	327.0	9.7
1.0	15.0	0.0	7.0	0.0	-135.8	291.6	287.6	6.9
1.0	15.0	7.0	2.0	0.0	-158.6	337.2	333.2	13.4
1.0	15.0	7.0	0.0	0.0	-158.8	337.7	333.7	17.0
1.0	15.0	0.0	1.0	0.0	-168.8	339.8	339.7	11.5
1.0	15.0	0.0	0.0	0.0	-130.5	263.1	263.1	4.2
1.0	15.0	3.0	3.0	0.0	-143.4	306.9	302.9	6.1
1.0	15.0	3.0	2.0	0.0	-135.5	291.0	287.0	5.0
1.0	15.0	0.0	0.0	0.0	-153.7	309.4	309.3	7.2
1.0	15.0	2.0	1.0	0.0	-168.5	356.9	352.9	10.9
1.0	15.0	3.0	4.0	0.0	-195.7	411.5	407.5	25.2
1.0	15.0	3.0	4.0	0.0	-158.0	336.0	332.0	11.0
1.0	15.0	0.0	5.0	0.0	-185.1	381.7	380.1	15.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	5.0	0.0	-130.4	272.2	270.7	5.9
1.0	15.0	2.0	3.0	0.0	-87.1	194.2	190.2	3.3
1.0	15.0	5.0	0.0	0.0	-99.6	219.2	215.2	4.1
1.0	15.0	0.0	8.0	0.0	-162.4	336.4	334.9	12.9
0.5	15.0	0.0	9.0	0.0	-143.9	307.8	303.8	5.7
1.0	15.0	6.0	3.0	0.0	-164.5	349.0	345.0	15.2
1.0	15.0	7.0	0.0	0.0	-157.3	334.7	330.7	11.3
1.0	15.0	1.0	0.0	0.0	-180.2	362.5	362.4	13.1
1.0	15.0	0.0	0.0	0.0	-113.8	229.7	229.6	3.7
1.0	15.0	1.0	0.0	0.0	-151.2	314.0	312.5	6.9
1.0	15.0	1.0	0.0	0.0	-143.3	298.2	296.6	5.4
1.0	15.0	0.0	0.0	0.0	-137.3	276.6	276.5	5.2
1.0	15.0	0.0	0.0	0.0	-112.3	226.6	226.5	3.7
1.0	15.0	1.0	0.0	0.0	-146.6	304.7	303.2	6.0
1.0	15.0	1.0	0.0	0.0	-122.7	257.0	255.4	3.8
1.0	15.0	0.0	0.0	0.0	-144.8	291.7	291.6	5.9
1.0	15.0	0.0	3.0	0.0	-126.8	265.1	263.6	4.6
1.0	15.0	5.0	0.0	0.0	-144.2	300.0	298.5	7.0
1.0	15.0	4.0	0.0	0.0	-121.8	255.1	253.6	4.5
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.0	6.1
0.9	15.0	0.0	2.0	0.0	-137.5	286.5	285.0	13.5
1.0	15.0	1.0	0.0	0.0	-149.6	301.3	301.2	9.9
1.0	15.0	2.0	0.0	0.0	-147.8	307.1	305.6	15.2
1.0	15.0	0.0	0.0	0.0	-154.7	311.4	311.3	16.2
1.0	15.0	0.0	2.0	0.0	-137.4	286.3	284.8	5.7
1.0	15.0	0.0	0.0	0.0	-92.6	187.2	187.1	1.9
1.0	15.0	1.0	0.0	0.0	-93.3	198.1	196.6	14.0
1.0	15.0	0.0	3.0	0.0	-135.1	281.7	280.2	7.3
1.0	15.0	0.0	2.0	0.0	-131.6	274.7	273.2	7.4
1.0	15.0	0.0	0.0	0.0	-100.4	202.8	202.8	8.6
1.0	15.0	2.0	0.0	0.0	-121.4	254.3	252.8	17.4
1.0	15.0	0.0	2.0	0.0	-182.8	377.2	375.7	13.6
1.0	15.0	0.0	0.0	0.0	-144.8	291.6	291.5	5.8
1.0	15.0	2.0	0.0	0.0	-162.0	335.5	333.9	12.2
1.0	15.0	2.0	0.0	0.0	-121.8	255.2	253.6	3.9
1.0	15.0	0.0	0.0	0.0	-147.0	296.1	296.0	6.5
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	4.5
1.0	15.0	0.0	0.0	0.0	-166.2	334.4	334.3	10.7
1.0	15.0	2.0	0.0	0.0	-126.6	264.8	263.3	7.3
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	5.3
1.0	15.0	0.0	0.0	0.0	-131.8	265.7	265.6	4.9
1.0	15.0	2.0	0.0	0.0	-151.4	314.4	312.9	10.1
1.0	15.0	2.0	0.0	0.0	-173.6	358.7	357.2	11.4
1.0	15.0	0.0	0.0	0.0	-150.5	303.0	302.9	6.9
1.0	15.0	1.0	1.0	0.0	-133.2	278.0	276.4	6.3
1.0	15.0	2.0	2.0	0.0	-173.5	367.0	363.0	17.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-147.9	307.3	305.8	7.6
1.0	15.0	0.0	2.0	0.0	-156.0	323.4	321.9	8.2
1.0	15.0	2.0	1.0	0.0	-133.7	287.5	283.5	5.5
1.0	15.0	2.0	0.0	0.0	-110.7	232.9	231.4	2.6
1.0	15.0	1.0	0.0	0.0	-116.5	244.6	243.1	4.1
1.0	15.0	0.0	3.0	0.0	-146.1	303.7	302.1	5.9
1.0	15.0	0.0	2.0	0.0	-117.1	245.8	244.3	3.5
1.0	15.0	0.0	0.0	0.0	-95.4	192.8	192.7	4.1
1.0	15.0	1.0	0.0	0.0	-98.7	209.0	207.4	3.3
1.0	15.0	0.0	1.0	0.0	-160.3	322.6	322.5	11.6
1.0	15.0	0.0	0.0	0.0	-130.1	262.3	262.3	4.3
0.8	15.0	1.0	0.0	0.0	-161.4	334.4	332.8	9.4
1.0	15.0	1.0	0.0	0.0	-122.7	256.9	255.4	4.6
1.0	15.0	0.0	0.0	0.0	-176.4	354.9	354.8	12.1
1.0	15.0	0.0	2.0	0.0	-123.7	258.9	257.4	3.9
0.9	15.0	4.0	0.0	0.0	-169.3	350.1	348.6	11.1
0.8	15.0	5.0	0.0	0.0	-134.4	288.8	284.8	5.5
1.0	15.0	0.0	0.0	0.0	-137.1	276.2	276.1	4.5
1.0	15.0	0.0	0.0	0.0	-125.1	252.3	252.2	4.5
1.0	15.0	1.0	0.0	0.0	-160.4	332.4	330.8	8.9
1.0	15.0	1.0	0.0	0.0	-106.2	223.9	222.3	3.6
1.0	15.0	0.0	0.0	0.0	-146.2	294.5	294.4	6.1
1.0	15.0	0.0	3.0	0.0	-147.6	306.8	305.3	6.4
1.0	15.0	1.0	2.0	0.0	-134.4	288.9	284.9	6.3
0.7	15.0	3.0	0.0	0.0	-147.8	315.7	311.7	7.0
1.0	15.0	0.0	2.0	0.0	-142.0	295.5	293.9	6.0
1.0	15.0	0.0	2.0	0.0	-130.3	272.2	270.6	4.2
0.8	15.0	2.0	1.0	0.0	-167.1	354.2	350.2	12.5
1.0	15.0	2.0	1.0	0.0	-145.8	311.6	307.6	9.1
1.0	15.0	0.0	2.0	0.0	-152.3	316.1	314.5	7.3
1.0	15.0	0.0	2.0	0.0	-147.3	306.1	304.6	6.6
0.6	15.0	0.0	1.0	0.0	-124.6	260.8	259.3	18.5
1.0	15.0	2.0	0.0	0.0	-114.6	240.7	239.2	9.6
1.0	15.0	0.0	1.0	0.0	-173.3	358.1	356.6	11.2
1.0	15.0	0.0	1.0	0.0	-121.5	254.6	253.0	10.5
1.0	15.0	0.0	0.0	0.0	-64.0	130.0	129.9	1.1
1.0	15.0	1.0	0.0	0.0	-85.9	183.4	181.9	6.1
1.0	15.0	0.0	1.0	0.0	-156.9	325.4	323.9	13.0
1.0	15.0	0.0	1.0	0.0	-144.3	300.0	298.5	5.6
1.0	15.0	0.0	0.0	0.0	-86.2	174.4	174.3	2.0
1.0	15.0	1.0	0.0	0.0	-101.6	214.8	213.2	3.0
1.0	15.0	0.0	1.0	0.0	-170.2	351.9	350.4	11.6
1.0	15.0	0.0	2.0	0.0	-141.2	294.0	292.5	6.4
1.0	15.0	0.0	0.0	0.0	-71.8	145.8	145.7	1.3
1.0	15.0	2.0	0.0	0.0	-81.3	174.2	172.6	2.4
1.0	15.0	0.0	2.0	0.0	-150.0	311.5	310.0	10.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-119.8	251.1	249.6	4.7
1.0	15.0	0.0	0.0	0.0	-104.9	211.9	211.8	4.3
1.0	15.0	1.0	0.0	0.0	-116.3	244.0	242.5	9.9
1.0	15.0	0.0	1.0	0.0	-152.8	317.2	315.7	8.2
1.0	15.0	0.0	4.0	0.0	-119.9	251.4	249.9	3.5
1.0	15.0	2.0	2.0	0.0	-139.9	299.9	295.9	6.7
1.0	15.0	5.0	0.0	0.0	-155.7	331.3	327.3	13.8
0.9	15.0	0.0	3.0	0.0	-146.7	304.9	303.4	7.5
1.0	15.0	0.0	3.0	0.0	-149.2	309.9	308.4	10.0
1.0	15.0	0.0	2.0	0.0	-181.6	374.8	373.2	24.7
1.0	15.0	1.0	1.0	0.0	-132.0	283.9	279.9	7.2
1.0	15.0	0.0	4.0	0.0	-168.6	348.8	347.2	11.0
1.0	15.0	0.0	2.0	0.0	-146.1	303.7	302.1	9.3
1.0	15.0	0.0	2.0	0.0	-106.1	223.8	222.2	2.3
1.0	15.0	1.0	0.0	0.0	-147.3	306.1	304.6	20.2
1.0	15.0	0.0	4.0	0.0	-178.6	368.7	367.1	12.0
1.0	15.0	0.0	4.0	0.0	-135.9	283.3	281.8	9.7
1.0	15.0	0.0	0.0	0.0	-75.5	153.1	153.0	1.4
1.0	15.0	2.0	0.0	0.0	-101.4	214.3	212.8	18.3
1.0	15.0	0.0	3.0	0.0	-165.7	343.0	341.5	11.3
1.0	15.0	0.0	3.0	0.0	-126.5	264.5	262.9	5.9
1.0	15.0	0.0	0.0	0.0	-107.6	217.2	217.1	3.9
1.0	15.0	2.0	0.0	0.0	-119.5	250.5	248.9	19.5
1.0	15.0	0.0	4.0	0.0	-157.3	326.2	324.7	8.8
1.0	15.0	0.0	3.0	0.0	-119.6	250.9	249.3	4.2
1.0	15.0	0.0	0.0	0.0	-75.0	152.2	152.1	2.1
1.0	15.0	2.0	0.0	0.0	-70.3	152.2	150.6	1.6
1.0	15.0	0.0	3.0	0.0	-152.2	316.0	314.4	8.2
1.0	15.0	0.0	4.0	0.0	-135.8	283.0	281.5	7.0
1.0	15.0	0.0	2.0	0.0	-113.8	239.1	237.6	3.9
1.0	15.0	3.0	0.0	0.0	-142.9	297.4	295.8	22.2
1.0	15.0	0.0	2.0	0.0	-164.9	341.3	339.8	12.5
1.0	15.0	0.0	0.0	0.0	-121.6	245.4	245.3	4.3
1.0	15.0	1.0	0.0	0.0	-140.1	291.7	290.2	7.1
1.0	15.0	2.0	0.0	0.0	-109.8	231.1	229.5	2.4
1.0	15.0	0.0	0.0	0.0	-160.3	322.7	322.6	7.8
1.0	15.0	0.0	2.0	0.0	-117.7	246.9	245.4	3.3
1.0	15.0	2.0	2.0	0.0	-141.6	303.2	299.2	5.9
1.0	15.0	2.0	1.0	0.0	-141.4	302.9	298.9	12.0
1.0	15.0	0.0	2.0	0.0	-128.1	267.8	266.2	6.3
0.9	15.0	0.0	3.0	0.0	-117.9	247.3	245.8	5.6
1.0	15.0	0.0	0.0	0.0	-75.0	152.1	152.0	1.4
1.0	15.0	3.0	0.0	0.0	-101.0	222.0	218.0	10.7
1.0	15.0	0.0	4.0	0.0	-143.3	298.2	296.6	12.1
1.0	15.0	0.0	1.0	0.0	-132.6	276.8	275.2	5.0
1.0	15.0	0.0	0.0	0.0	-108.0	218.0	218.0	5.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-115.5	242.5	241.0	8.0
1.0	15.0	0.0	1.0	0.0	-172.1	346.4	346.3	14.9
1.0	15.0	0.0	1.0	0.0	-143.4	298.3	296.7	5.8
1.0	15.0	0.0	0.0	0.0	-136.3	274.6	274.5	5.3
1.0	15.0	1.0	0.0	0.0	-136.8	285.1	283.6	4.9
1.0	15.0	0.0	1.0	0.0	-138.6	288.8	287.3	5.6
1.0	15.0	0.0	2.0	0.0	-140.7	293.1	291.5	6.8
0.8	15.0	5.0	0.0	0.0	-195.3	410.7	406.6	25.1
0.9	15.0	4.0	0.0	0.0	-147.6	315.4	311.3	9.0
1.0	15.0	0.0	1.0	0.0	-181.4	374.3	372.8	14.1
1.0	15.0	0.0	0.0	0.0	-122.1	246.4	246.3	4.8
1.0	15.0	2.0	2.0	0.0	-172.1	364.4	360.3	33.9
1.0	15.0	2.0	2.0	0.0	-151.7	323.5	319.4	24.8
1.0	15.0	0.0	2.0	0.0	-170.9	353.4	351.9	10.2
1.0	15.0	0.0	2.0	0.0	-106.4	224.4	222.9	2.3
1.0	15.0	0.0	0.0	0.0	-69.6	141.2	141.1	1.2
1.0	15.0	2.0	0.0	0.0	-76.2	163.9	162.4	1.6
1.0	15.0	0.0	1.0	0.0	-170.5	343.1	343.0	13.2
1.0	15.0	0.0	1.0	0.0	-125.4	262.3	260.8	4.5
1.0	15.0	0.0	0.0	0.0	-98.2	198.6	198.5	3.6
1.0	15.0	2.0	0.0	0.0	-108.1	227.7	226.1	4.2
1.0	15.0	0.0	0.0	0.0	-188.8	379.7	379.6	15.5
1.0	15.0	0.0	1.0	0.0	-135.5	282.6	281.1	5.1
1.0	15.0	0.0	0.0	0.0	-105.7	213.4	213.3	3.3
1.0	15.0	1.0	0.0	0.0	-112.5	236.5	235.0	3.6
1.0	15.0	0.0	1.0	0.0	-159.3	320.7	320.6	10.3
1.0	15.0	0.0	2.0	0.0	-122.9	257.4	255.8	4.6
0.8	15.0	1.0	1.0	0.0	-176.1	372.2	368.1	13.8
1.0	15.0	3.0	0.0	0.0	-136.0	283.6	282.0	6.2
1.0	15.0	0.0	0.0	0.0	-140.3	282.8	282.7	6.2
1.0	15.0	0.0	0.0	0.0	-165.9	333.9	333.8	10.9
1.0	15.0	2.0	0.0	0.0	-160.4	332.4	330.8	9.5
1.0	15.0	1.0	0.0	0.0	-122.8	257.2	255.7	4.3
1.0	15.0	0.0	0.0	0.0	-167.4	336.8	336.7	10.7
1.0	15.0	0.0	1.0	0.0	-154.5	320.5	318.9	7.3
1.0	15.0	2.0	0.0	0.0	-150.0	320.1	316.1	6.9
1.0	15.0	3.0	0.0	0.0	-150.8	313.2	311.7	7.0
1.0	15.0	0.0	2.0	0.0	-135.1	281.8	280.2	5.8
1.0	15.0	0.0	1.0	0.0	-141.0	293.5	292.0	5.7
1.0	15.0	0.0	1.0	0.0	-150.9	313.3	311.8	10.9
1.0	15.0	1.0	0.0	0.0	-129.9	271.3	269.8	5.0
1.0	15.0	0.0	1.0	0.0	-182.1	366.2	366.1	17.6
1.0	15.0	0.0	2.0	0.0	-140.8	293.2	291.7	6.3
1.0	15.0	0.0	0.0	0.0	-118.1	238.2	238.2	4.3
1.0	15.0	2.0	0.0	0.0	-114.1	239.8	238.2	2.8
1.0	15.0	0.0	0.0	0.0	-180.5	363.0	362.9	13.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-148.8	309.2	307.7	7.1
1.0	15.0	0.0	0.0	0.0	-89.9	181.8	181.7	3.8
0.9	15.0	1.0	0.0	0.0	-97.8	207.1	205.5	1.5
0.5	15.0	0.0	1.0	0.0	-179.6	370.8	369.2	14.6
1.0	15.0	0.0	3.0	0.0	-121.6	254.8	253.3	3.4
1.0	15.0	4.0	0.0	0.0	-137.5	294.9	290.9	7.5
1.0	15.0	4.0	0.0	0.0	-134.1	288.1	284.1	4.8
1.0	15.0	0.0	0.0	0.0	-156.2	314.6	314.5	7.5
1.0	15.0	0.0	0.0	0.0	-130.3	262.7	262.6	4.4
1.0	15.0	2.0	0.0	0.0	-126.4	264.3	262.7	4.3
1.0	15.0	3.0	0.0	0.0	-117.5	246.6	245.0	3.2
1.0	15.0	0.0	0.0	0.0	-133.2	268.5	268.4	4.5
0.8	15.0	0.0	2.0	0.0	-136.0	283.7	282.1	5.5
1.0	15.0	4.0	0.0	0.0	-175.4	362.4	360.8	14.8
1.0	15.0	4.0	0.0	0.0	-128.5	268.5	267.0	5.3
1.0	15.0	0.0	0.0	0.0	-173.6	349.2	349.1	10.6
1.0	15.0	0.0	1.0	0.0	-124.6	260.7	259.2	4.3
1.0	15.0	1.0	0.0	0.0	-160.1	331.7	330.2	8.3
1.0	15.0	1.0	0.0	0.0	-152.0	315.6	314.0	7.4
1.0	15.0	0.0	1.0	0.0	-138.3	278.7	278.6	6.8
1.0	15.0	0.0	4.0	0.0	-136.4	284.2	282.7	5.7
1.0	15.0	2.0	0.0	0.0	-174.5	369.0	365.0	16.7
1.0	15.0	5.0	0.0	0.0	-157.2	334.3	330.3	12.5
1.0	15.0	0.0	0.0	0.0	-148.0	298.0	298.0	6.6
1.0	15.0	0.0	3.0	0.0	-133.2	277.9	276.4	8.3
1.0	15.0	2.0	1.0	0.0	-140.1	300.3	296.3	17.5
1.0	15.0	2.0	0.0	0.0	-149.4	318.7	314.7	22.4
1.0	15.0	0.0	0.0	0.0	-161.2	324.4	324.3	15.3
1.0	15.0	0.0	0.0	0.0	-124.0	250.1	250.0	3.7
1.0	15.0	1.0	0.0	0.0	-107.9	227.4	225.9	3.5
1.0	15.0	1.0	0.0	0.0	-107.1	225.8	224.2	2.2
1.0	15.0	0.0	0.0	0.0	-154.6	311.2	311.1	6.7
1.0	15.0	0.0	0.0	0.0	-130.4	262.8	262.7	4.9
1.0	15.0	2.0	0.0	0.0	-152.3	316.2	314.7	9.1
1.0	15.0	2.0	0.0	0.0	-122.5	256.5	254.9	6.0
1.0	15.0	0.0	0.0	0.0	-120.6	243.2	243.1	4.4
1.0	15.0	0.0	1.0	0.0	-123.7	258.9	257.4	5.5
1.0	15.0	2.0	0.0	0.0	-130.1	280.2	276.2	4.3
1.0	15.0	3.0	0.0	0.0	-119.6	250.7	249.1	3.3
1.0	15.0	0.0	1.0	0.0	-142.6	287.2	287.2	6.9
1.0	15.0	0.0	3.0	0.0	-124.3	260.2	258.6	3.6
0.7	15.0	7.0	0.0	0.0	-172.7	365.3	361.3	12.4
0.6	15.0	6.0	0.0	0.0	-144.9	309.9	305.9	6.2
1.0	15.0	0.0	0.0	0.0	-115.8	233.6	233.6	4.8
1.0	15.0	0.0	0.0	0.0	-143.9	289.8	289.7	5.8
1.0	15.0	1.0	0.0	0.0	-143.4	298.4	296.9	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-120.1	251.8	250.3	3.8
1.0	15.0	0.0	0.0	0.0	-159.7	321.5	321.4	7.9
1.0	15.0	0.0	3.0	0.0	-113.5	238.5	237.0	2.7
1.0	15.0	3.0	0.0	0.0	-134.3	288.5	284.5	5.5
1.0	15.0	4.0	0.0	0.0	-134.6	289.2	285.2	7.9
1.0	15.0	0.0	1.0	0.0	-129.6	270.7	269.2	4.6
1.0	15.0	0.0	1.0	0.0	-140.2	292.0	290.4	6.5
1.0	15.0	1.0	1.0	0.0	-178.9	377.8	373.7	31.1
0.7	15.0	2.0	0.0	0.0	-140.0	300.1	296.0	9.1
1.0	15.0	0.0	1.0	0.0	-167.5	346.5	345.0	10.3
1.0	15.0	0.0	1.0	0.0	-131.6	274.8	273.2	4.5
1.0	15.0	0.0	0.0	0.0	-104.6	211.3	211.3	5.5
1.0	15.0	1.0	0.0	0.0	-106.9	225.4	223.9	3.3
1.0	15.0	0.0	1.0	0.0	-164.3	340.2	338.6	9.4
1.0	15.0	0.0	1.0	0.0	-107.3	226.0	224.5	2.4
0.6	15.0	3.0	0.0	0.0	-83.4	186.7	182.7	1.9
1.0	15.0	1.0	0.0	0.0	-96.3	204.2	202.7	10.1
1.0	15.0	0.0	3.0	0.0	-153.7	319.0	317.4	7.8
1.0	15.0	0.0	1.0	0.0	-121.2	254.0	252.4	3.3
1.0	15.0	0.0	0.0	0.0	-104.2	210.4	210.3	2.5
1.0	15.0	1.0	0.0	0.0	-96.7	205.0	203.5	14.0
1.0	15.0	0.0	1.0	0.0	-156.8	325.2	323.6	7.4
1.0	15.0	0.0	3.0	0.0	-123.9	259.3	257.7	4.7
1.0	15.0	2.0	0.0	0.0	-172.6	356.8	355.2	12.2
1.0	15.0	3.0	0.0	0.0	-133.5	278.5	276.9	5.2
1.0	15.0	0.0	0.0	0.0	-142.0	286.2	286.1	6.5
1.0	15.0	0.0	0.0	0.0	-120.4	242.9	242.8	3.6
1.0	15.0	3.0	0.0	0.0	-140.3	292.2	290.6	5.9
1.0	15.0	2.0	0.0	0.0	-110.7	233.0	231.5	2.7
1.0	15.0	0.0	0.0	0.0	-138.1	278.2	278.1	5.6
1.0	15.0	0.0	3.0	0.0	-133.5	278.5	276.9	9.0
1.0	15.0	2.0	2.0	0.0	-150.2	320.5	316.5	14.8
1.0	15.0	5.0	0.0	0.0	-162.2	344.4	340.4	17.6
1.0	15.0	0.0	2.0	0.0	-125.2	261.9	260.3	5.1
1.0	15.0	0.0	2.0	0.0	-134.2	279.9	278.3	8.4
1.0	15.0	1.0	3.0	0.0	-188.7	397.4	393.4	41.3
0.9	15.0	1.0	2.0	0.0	-151.6	323.1	319.1	11.5
1.0	15.0	0.0	2.0	0.0	-147.8	307.2	305.6	12.0
1.0	15.0	0.0	1.0	0.0	-140.9	293.4	291.8	16.4
1.0	15.0	0.0	0.0	0.0	-68.9	140.0	139.9	1.1
0.7	15.0	1.0	0.0	0.0	-102.6	216.7	215.2	21.2
1.0	15.0	0.0	2.0	0.0	-148.1	307.7	306.1	14.8
0.6	15.0	0.0	1.0	0.0	-156.1	323.7	322.2	9.5
0.8	15.0	1.0	0.0	0.0	-106.6	224.7	223.2	5.1
1.0	15.0	1.0	0.0	0.0	-113.6	238.7	237.2	9.7
1.0	15.0	0.0	2.0	0.0	-178.3	368.2	366.7	14.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-122.2	255.9	254.3	4.9
1.0	15.0	0.0	0.0	0.0	-65.9	133.9	133.8	1.0
1.0	15.0	1.0	0.0	0.0	-69.6	150.8	149.2	1.0
1.0	15.0	0.0	2.0	0.0	-151.1	313.7	312.1	11.5
1.0	15.0	0.0	3.0	0.0	-119.9	251.4	249.9	3.8
1.0	15.0	0.0	1.0	0.0	-141.5	285.0	284.9	7.8
1.0	15.0	1.0	0.0	0.0	-120.8	253.1	251.6	4.8
1.0	15.0	0.0	0.0	0.0	-133.7	269.5	269.4	4.8
1.0	15.0	0.0	3.0	0.0	-138.9	289.3	287.7	5.5
1.0	15.0	0.0	0.0	0.0	-127.4	256.9	256.8	4.6
1.0	15.0	4.0	0.0	0.0	-123.9	259.4	257.8	4.4
1.0	15.0	0.0	0.0	0.0	-154.9	311.8	311.7	8.1
1.0	15.0	0.0	3.0	0.0	-117.6	246.8	245.2	3.5
1.0	15.0	0.0	0.0	0.0	-68.4	138.9	138.8	1.0
1.0	15.0	3.0	0.0	0.0	-75.6	162.7	161.2	1.3
1.0	15.0	0.0	0.0	0.0	-119.2	240.6	240.5	3.3
1.0	15.0	0.0	2.0	0.0	-118.4	248.3	246.8	3.5
1.0	15.0	0.0	0.0	0.0	-80.5	163.0	162.9	1.4
1.0	15.0	3.0	0.0	0.0	-106.1	223.7	222.1	2.6
1.0	15.0	0.0	0.0	0.0	-164.3	330.7	330.6	9.8
1.0	15.0	0.0	3.0	0.0	-136.2	284.0	282.4	7.7
1.0	15.0	4.0	0.0	0.0	-173.8	359.3	357.7	32.6
1.0	15.0	3.0	0.0	0.0	-161.8	335.1	333.5	22.8
1.0	15.0	0.0	0.0	0.0	-166.6	335.3	335.2	13.3
1.0	15.0	0.0	1.0	0.0	-129.6	270.8	269.3	5.9
1.0	15.0	2.0	1.0	0.0	-139.2	298.4	294.4	6.0
1.0	15.0	2.0	0.0	0.0	-138.7	288.9	287.4	5.4
1.0	15.0	0.0	1.0	0.0	-116.2	243.9	242.4	4.2
1.0	15.0	0.0	0.0	0.0	-132.9	267.8	267.8	5.3
0.8	15.0	1.0	0.0	0.0	-159.2	329.9	328.3	10.8
1.0	15.0	1.0	0.0	0.0	-128.8	269.1	267.6	5.4
1.0	15.0	0.0	0.0	0.0	-139.9	281.9	281.8	8.6
1.0	15.0	0.0	0.0	0.0	-125.2	252.5	252.4	4.1
1.0	15.0	2.0	0.0	0.0	-145.9	303.3	301.8	6.8
1.0	15.0	2.0	0.0	0.0	-119.3	250.1	248.6	4.3
1.0	15.0	0.0	0.0	0.0	-154.5	311.1	311.0	7.2
1.0	15.0	0.0	0.0	0.0	-133.7	269.5	269.4	5.2
1.0	15.0	2.0	0.0	0.0	-183.3	378.1	376.5	19.8
1.0	15.0	2.0	0.0	0.0	-163.9	339.4	337.8	14.4
1.0	15.0	0.0	0.0	0.0	-138.5	279.0	278.9	5.9
1.0	15.0	0.0	2.0	0.0	-110.1	231.7	230.1	3.2
0.9	15.0	2.0	0.0	0.0	-154.1	319.8	318.3	8.2
1.0	15.0	2.0	0.0	0.0	-147.7	307.0	305.4	8.2
1.0	15.0	0.0	0.0	0.0	-112.1	226.3	226.2	3.1
1.0	15.0	0.0	7.0	0.0	-144.2	299.9	298.4	7.2
1.0	15.0	2.0	5.0	0.0	-152.7	325.4	321.4	8.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-175.0	370.0	366.0	13.4
0.5	15.0	0.0	4.0	0.0	-155.7	331.5	327.5	10.6
0.8	15.0	1.0	1.0	0.0	-148.1	307.8	306.2	6.2
0.8	15.0	1.0	2.0	0.0	-195.2	410.5	406.5	53.1
0.7	15.0	0.0	2.0	0.0	-170.9	353.3	351.7	21.1
1.0	15.0	0.0	3.0	0.0	-179.0	369.5	368.0	13.8
1.0	15.0	0.0	2.0	0.0	-161.0	333.6	332.0	18.7
1.0	15.0	0.0	0.0	0.0	-77.5	157.2	157.1	2.5
1.0	15.0	2.0	0.0	0.0	-125.8	263.2	261.7	18.9
1.0	15.0	0.0	3.0	0.0	-165.5	342.5	341.0	22.9
0.9	15.0	0.0	2.0	0.0	-165.2	341.9	340.4	9.3
1.0	15.0	2.0	0.0	0.0	-122.6	265.2	261.2	4.8
1.0	15.0	3.0	0.0	0.0	-143.0	306.0	302.0	10.9
1.0	15.0	1.0	4.0	0.0	-165.6	351.2	347.2	10.5
0.9	15.0	0.0	2.0	0.0	-110.0	231.6	230.1	2.5
1.0	15.0	1.0	0.0	0.0	-108.4	236.7	232.7	2.7
0.8	15.0	2.0	0.0	0.0	-98.8	217.5	213.5	1.7
1.0	15.0	0.0	1.0	0.0	-149.6	301.3	301.2	10.0
1.0	15.0	0.0	7.0	0.0	-144.5	300.5	298.9	7.1
1.0	15.0	3.0	5.0	0.0	-145.9	311.8	307.8	15.3
1.0	15.0	5.0	0.0	0.0	-184.5	389.1	385.1	18.8
1.0	15.0	0.0	4.0	0.0	-177.9	367.4	365.8	15.5
1.0	15.0	0.0	0.0	0.0	-143.2	288.4	288.3	9.5
0.8	15.0	1.0	2.0	0.0	-192.4	404.9	400.9	41.8
1.0	15.0	1.0	2.0	0.0	-152.7	325.4	321.4	23.8
1.0	15.0	0.0	3.0	0.0	-170.8	353.2	351.7	14.3
0.5	15.0	2.0	1.0	0.0	-175.5	362.5	360.9	17.4
1.0	15.0	0.0	4.0	0.0	-127.9	267.4	265.9	5.4
1.0	15.0	1.0	4.0	0.0	-132.4	284.7	280.7	8.7
1.0	15.0	0.0	4.0	0.0	-177.5	366.6	365.1	16.8
1.0	15.0	0.0	3.0	0.0	-152.7	316.9	315.3	18.3
1.0	15.0	1.0	0.0	0.0	-87.2	176.5	176.4	3.4
1.0	15.0	2.0	0.0	0.0	-130.2	271.9	270.4	20.4
1.0	15.0	0.0	3.0	0.0	-158.1	327.7	326.2	21.4
1.0	15.0	0.0	3.0	0.0	-150.9	313.3	311.8	8.1
1.0	15.0	3.0	0.0	0.0	-127.0	274.0	270.0	6.9
1.0	15.0	4.0	0.0	0.0	-157.7	327.0	325.5	14.5
1.0	15.0	2.0	3.0	0.0	-184.1	388.2	384.2	14.1
1.0	15.0	0.0	5.0	0.0	-152.1	315.8	314.3	8.6
1.0	15.0	0.0	0.0	0.0	-89.0	180.2	180.1	1.7
1.0	15.0	1.0	0.0	0.0	-87.3	186.2	184.7	3.5
1.0	15.0	0.0	2.0	0.0	-168.9	349.3	347.8	14.0
1.0	15.0	0.0	2.0	0.0	-121.2	253.9	252.4	3.7
1.0	15.0	2.0	0.0	0.0	-117.2	254.3	250.3	3.6
1.0	15.0	2.0	0.0	0.0	-105.1	230.2	226.2	2.2
1.0	15.0	0.0	1.0	0.0	-181.2	364.5	364.4	12.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-124.9	261.4	259.8	5.0
1.0	15.0	2.0	0.0	0.0	-166.5	352.9	348.9	31.0
1.0	15.0	2.0	1.0	0.0	-132.0	284.0	280.0	12.2
1.0	15.0	0.0	0.0	0.0	-151.2	304.6	304.5	12.6
1.0	15.0	0.0	0.0	0.0	-126.0	254.1	254.0	5.0
1.0	15.0	2.0	0.0	0.0	-164.1	339.8	338.2	9.5
1.0	15.0	2.0	0.0	0.0	-115.2	241.9	240.3	3.5
1.0	15.0	0.0	0.0	0.0	-138.8	279.7	279.6	6.5
1.0	15.0	0.0	0.0	0.0	-118.1	238.3	238.2	4.6
1.0	15.0	2.0	0.0	0.0	-150.7	313.0	311.5	7.3
1.0	15.0	2.0	0.0	0.0	-144.8	301.1	299.6	6.8
1.0	15.0	0.0	0.0	0.0	-126.5	255.0	254.9	4.5
1.0	15.0	0.0	0.0	0.0	-120.5	243.1	243.0	4.0
1.0	15.0	2.0	0.0	0.0	-151.3	314.1	312.6	9.1
1.0	15.0	1.0	0.0	0.0	-126.6	264.7	263.2	5.0
1.0	15.0	0.0	0.0	0.0	-145.6	293.4	293.3	6.3
1.0	15.0	0.0	2.0	0.0	-135.3	282.2	280.7	5.0
1.0	15.0	3.0	0.0	0.0	-168.5	348.5	347.0	9.9
1.0	15.0	3.0	0.0	0.0	-162.1	335.8	334.2	8.8
1.0	15.0	0.0	0.0	0.0	-142.2	286.4	286.4	6.4
1.0	15.0	0.0	2.0	0.0	-133.4	278.4	276.8	5.7
1.0	15.0	0.0	0.0	0.0	-130.3	262.7	262.6	4.4
1.0	15.0	2.0	0.0	0.0	-121.4	254.4	252.8	3.9
1.0	15.0	0.0	0.0	0.0	-156.6	315.3	315.2	10.0
1.0	15.0	0.0	0.0	0.0	-108.4	218.9	218.8	3.1
1.0	15.0	3.0	0.0	0.0	-175.9	363.3	361.8	17.7
1.0	15.0	2.0	0.0	0.0	-137.3	286.2	284.6	7.2
1.0	15.0	0.0	0.0	0.0	-147.2	296.5	296.4	6.2
0.7	15.0	0.0	5.0	0.0	-138.8	297.6	293.6	8.0
1.0	15.0	4.0	1.0	0.0	-173.8	367.5	363.5	17.2
1.0	15.0	4.0	1.0	0.0	-149.6	319.2	315.2	14.5
1.0	15.0	0.0	1.0	0.0	-160.5	332.6	331.1	10.6
1.0	15.0	0.0	2.0	0.0	-107.5	226.5	225.0	2.2
1.0	15.0	0.0	0.0	0.0	-63.8	129.7	129.6	0.9
1.0	15.0	1.0	0.0	0.0	-81.9	175.4	173.9	6.6
1.0	15.0	0.0	2.0	0.0	-122.8	257.2	255.7	3.9
1.0	15.0	0.0	2.0	0.0	-128.5	268.6	267.1	4.6
1.0	15.0	2.0	0.0	0.0	-117.2	246.0	244.5	8.4
1.0	15.0	1.0	0.0	0.0	-113.4	238.3	236.8	8.9
1.0	15.0	0.0	0.0	0.0	-155.5	313.2	313.1	8.6
1.0	15.0	0.0	1.0	0.0	-112.1	235.7	234.2	2.8
1.0	15.0	2.0	1.0	0.0	-108.1	236.1	232.1	2.4
1.0	15.0	2.0	0.0	0.0	-106.6	224.6	223.1	3.7
1.0	15.0	0.0	1.0	0.0	-154.6	320.8	319.3	7.1
1.0	15.0	0.0	3.0	0.0	-144.4	300.3	298.8	6.4
1.0	15.0	3.0	0.0	0.0	-157.7	326.9	325.4	8.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-135.1	281.8	280.3	4.7
1.0	15.0	0.0	0.0	0.0	-189.8	381.6	381.5	16.5
1.0	15.0	0.0	2.0	0.0	-106.5	224.4	222.9	2.1
1.0	15.0	2.0	0.0	0.0	-144.9	301.3	299.7	6.6
1.0	15.0	2.0	0.0	0.0	-135.7	282.8	281.3	5.2
1.0	15.0	0.0	0.0	0.0	-138.4	279.0	278.9	5.5
1.0	15.0	0.0	0.0	0.0	-132.1	266.3	266.2	5.4
1.0	15.0	2.0	0.0	0.0	-135.2	282.0	280.5	4.9
1.0	15.0	2.0	0.0	0.0	-105.3	222.2	220.6	2.0
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.5	5.6
0.9	15.0	0.0	3.0	0.0	-117.3	254.6	250.6	6.1
1.0	15.0	2.0	1.0	0.0	-148.7	317.3	313.3	9.5
1.0	15.0	2.0	0.0	0.0	-143.0	306.0	302.0	7.4
1.0	15.0	0.0	0.0	0.0	-142.2	286.5	286.4	9.6
0.8	15.0	0.0	7.0	0.0	-277.0	564.7	564.0	5.3
1.0	15.0	3.0	0.0	0.0	-297.1	611.9	610.1	11.4
1.0	15.0	2.0	0.0	0.0	-282.3	582.5	580.7	10.8
1.0	15.0	0.0	0.0	0.0	-329.6	661.3	661.3	8.7
1.0	15.0	0.0	0.0	0.0	-132.4	266.9	266.8	4.1
1.0	15.0	3.0	0.0	0.0	-171.8	355.1	353.6	11.3
1.0	15.0	2.0	0.0	0.0	-116.2	244.0	242.4	4.2
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.5	6.3
1.0	15.0	0.0	3.0	0.0	-107.6	226.8	225.2	3.2
1.0	15.0	2.0	2.0	0.0	-138.1	296.2	292.2	6.3
1.0	15.0	3.0	0.0	0.0	-141.8	295.2	293.6	6.9
1.0	15.0	0.0	2.0	0.0	-137.8	287.1	285.5	5.8
1.0	15.0	0.0	2.0	0.0	-127.4	266.3	264.8	5.6
0.6	15.0	1.0	2.0	0.0	-175.2	370.3	366.3	28.9
0.7	15.0	2.0	1.0	0.0	-146.0	312.1	308.1	14.2
1.0	15.0	0.0	3.0	0.0	-176.4	364.3	362.7	14.5
1.0	15.0	0.0	2.0	0.0	-142.7	297.0	295.5	7.7
0.9	15.0	0.0	2.0	0.0	-108.8	237.5	233.5	3.3
1.0	15.0	1.0	0.0	0.0	-121.6	254.8	253.2	6.9
1.0	15.0	0.0	3.0	0.0	-155.2	321.9	320.4	9.2
0.9	15.0	0.0	2.0	0.0	-139.1	289.8	288.2	14.1
1.0	15.0	0.0	0.0	0.0	-66.5	135.1	135.0	1.2
1.0	15.0	2.0	0.0	0.0	-109.7	231.0	229.5	20.7
0.6	15.0	0.0	2.0	0.0	-126.7	273.4	269.4	11.4
1.0	15.0	0.0	3.0	0.0	-162.8	337.1	335.5	10.1
1.0	15.0	0.0	0.0	0.0	-83.9	169.8	169.7	1.9
1.0	15.0	2.0	0.0	0.0	-125.3	262.2	260.6	14.7
1.0	15.0	0.0	2.0	0.0	-165.8	343.1	341.5	12.5
1.0	15.0	0.0	2.0	0.0	-124.9	261.4	259.8	6.7
1.0	15.0	0.0	0.0	0.0	-65.2	132.5	132.4	1.3
1.0	15.0	1.0	0.0	0.0	-72.1	155.8	154.2	2.3
1.0	15.0	0.0	2.0	0.0	-162.3	336.1	334.6	9.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-138.5	288.6	287.1	7.1
1.0	15.0	0.0	2.0	0.0	-101.6	214.8	213.3	1.6
1.0	15.0	1.0	0.0	0.0	-125.3	262.1	260.5	9.7
1.0	15.0	0.0	1.0	0.0	-143.1	297.7	296.1	7.3
1.0	15.0	0.0	3.0	0.0	-117.3	246.2	244.6	3.2
0.5	15.0	3.0	0.0	0.0	-161.4	342.8	338.8	13.0
0.9	15.0	3.0	0.0	0.0	-131.1	273.8	272.2	5.9
1.0	15.0	0.0	0.0	0.0	-133.4	268.9	268.8	5.3
1.0	15.0	0.0	2.0	0.0	-124.9	261.3	259.8	4.0
1.0	15.0	5.0	0.0	0.0	-152.4	316.4	314.9	9.5
1.0	15.0	4.0	0.0	0.0	-132.0	275.6	274.1	5.4
1.0	15.0	0.0	0.0	0.0	-137.9	277.8	277.7	4.9
1.0	15.0	0.0	0.0	0.0	-127.3	256.8	256.7	5.1
1.0	15.0	1.0	0.0	0.0	-181.1	373.7	372.1	25.1
1.0	15.0	0.0	0.0	0.0	-145.9	294.0	293.9	7.1
1.0	15.0	0.0	0.0	0.0	-149.2	300.6	300.5	8.3
1.0	15.0	0.0	1.0	0.0	-117.6	246.8	245.2	6.6
1.0	15.0	0.0	1.0	0.0	-127.7	266.9	265.3	9.6
1.0	15.0	1.0	0.0	0.0	-114.0	239.6	238.0	3.2
1.0	15.0	0.0	1.0	0.0	-136.4	284.4	282.8	8.9
1.0	15.0	0.0	1.0	0.0	-125.7	263.0	261.4	4.1
1.0	15.0	0.0	1.0	0.0	-167.4	346.3	344.8	13.1
1.0	15.0	1.0	1.0	0.0	-145.5	310.9	306.9	7.8
1.0	15.0	0.0	1.0	0.0	-153.7	318.9	317.4	9.8
1.0	15.0	0.0	2.0	0.0	-144.5	300.5	298.9	12.2
1.0	15.0	0.0	0.0	0.0	-88.8	179.8	179.7	3.1
1.0	15.0	2.0	0.0	0.0	-129.8	271.2	269.7	23.2
1.0	15.0	0.0	2.0	0.0	-166.3	344.1	342.6	10.4
1.0	15.0	0.0	1.0	0.0	-153.0	317.5	316.0	8.5
1.0	15.0	0.0	0.0	0.0	-72.9	147.8	147.7	1.3
1.0	15.0	1.0	0.0	0.0	-71.2	153.9	152.3	1.5
1.0	15.0	0.0	1.0	0.0	-122.0	255.6	253.9	8.1
1.0	15.0	0.0	1.0	0.0	-109.3	230.1	228.5	2.5
1.0	15.0	0.0	1.0	0.0	-95.5	193.2	193.1	4.6
0.7	15.0	1.0	0.0	0.0	-102.7	217.0	215.4	24.2
1.0	15.0	0.0	1.0	0.0	-136.2	283.9	282.4	4.7
1.0	15.0	6.0	0.0	0.0	-199.6	410.7	409.2	63.7
1.0	15.0	4.0	0.0	0.0	-167.6	346.7	345.2	13.5
1.0	15.0	0.0	6.0	0.0	-163.8	339.1	337.6	11.5
1.0	15.0	0.0	0.0	0.0	-139.9	281.8	281.8	7.3
1.0	15.0	7.0	0.0	0.0	-183.1	377.7	376.1	30.0
1.0	15.0	3.0	0.0	0.0	-115.9	243.3	241.8	4.4
1.0	15.0	0.0	5.0	0.0	-119.0	249.5	247.9	4.3
1.0	15.0	0.0	0.0	0.0	-163.4	328.9	328.8	11.2
1.0	15.0	4.0	0.0	0.0	-124.8	261.2	259.6	8.4
1.0	15.0	3.0	0.0	0.0	-78.0	167.5	165.9	1.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-98.6	199.2	199.1	3.9
1.0	15.0	0.0	1.0	0.0	-158.7	329.0	327.4	8.5
1.0	15.0	6.0	0.0	0.0	-210.4	432.4	430.8	49.4
0.8	15.0	2.0	0.0	0.0	-120.8	253.1	251.6	4.0
1.0	15.0	0.0	4.0	0.0	-120.2	252.0	250.5	3.6
1.0	15.0	0.0	1.0	0.0	-173.7	349.5	349.4	13.5
1.0	15.0	7.0	0.0	0.0	-172.8	357.1	355.6	15.9
1.0	15.0	5.0	0.0	0.0	-122.8	257.1	255.6	6.5
1.0	15.0	0.0	4.0	0.0	-114.6	240.7	239.1	3.4
1.0	15.0	0.0	1.0	0.0	-186.0	374.1	374.0	14.2
0.9	15.0	0.0	6.0	0.0	-118.6	248.7	247.2	3.0
1.0	15.0	7.0	0.0	0.0	-151.3	314.2	312.7	7.4
1.0	15.0	7.0	0.0	0.0	-157.8	327.2	325.6	8.5
1.0	15.0	2.0	0.0	0.0	-126.4	264.3	262.8	4.1
1.0	15.0	0.0	0.0	0.0	-136.1	274.2	274.1	4.9
1.0	15.0	4.0	0.0	0.0	-169.0	349.5	348.0	12.5
1.0	15.0	3.0	0.0	0.0	-116.9	245.3	243.8	3.3
1.0	15.0	0.0	0.0	0.0	-173.5	349.0	348.9	11.7
1.0	15.0	0.0	1.0	0.0	-135.9	283.3	281.8	4.6
1.0	15.0	0.0	0.0	0.0	-100.4	202.8	202.7	4.4
0.6	15.0	1.0	0.0	0.0	-123.2	258.0	256.5	20.6
1.0	15.0	0.0	1.0	0.0	-157.7	327.0	325.5	8.3
1.0	15.0	0.0	4.0	0.0	-813.9	1638.0	1637.8	6.9
1.0	15.0	4.0	0.0	0.0	-914.0	1844.5	1843.9	10.8
1.0	15.0	4.0	0.0	0.0	-884.6	1785.7	1785.2	8.5
1.0	15.0	0.0	1.0	0.0	-886.3	1782.8	1782.5	8.2
1.0	15.0	0.0	1.0	0.0	-807.2	1624.6	1624.4	8.4
1.0	15.0	1.0	1.0	0.0	-1101.3	2219.2	2218.7	28.8
1.0	15.0	1.0	0.0	0.0	-927.8	1872.1	1871.5	11.9
1.0	15.0	0.0	2.0	0.0	-933.8	1877.8	1877.6	10.2
1.0	15.0	0.0	1.0	0.0	-844.9	1700.0	1699.7	6.3
1.0	15.0	0.0	0.0	0.0	-600.7	1203.3	1203.3	2.5
1.0	15.0	1.0	0.0	0.0	-719.3	1448.9	1448.6	13.5
1.0	15.0	0.0	1.0	0.0	-985.2	1980.5	1980.3	10.7
1.0	15.0	0.0	1.0	0.0	-747.7	1505.6	1505.4	10.2
1.0	15.0	2.0	0.0	0.0	-491.9	1000.4	999.8	1.4
1.0	15.0	1.0	0.0	0.0	-636.3	1282.9	1282.7	19.0
1.0	15.0	0.0	4.0	0.0	-931.9	1874.0	1873.8	11.8
1.0	15.0	0.0	1.0	0.0	-863.8	1737.8	1737.6	10.6
1.0	15.0	0.0	0.0	0.0	-522.3	1046.6	1046.6	2.7
1.0	15.0	1.0	0.0	0.0	-677.2	1364.5	1364.3	32.5
1.0	15.0	0.0	1.0	0.0	-1052.3	2114.9	2114.6	12.9
1.0	15.0	0.0	2.0	0.0	-785.4	1581.1	1580.8	6.2
1.0	15.0	0.0	0.0	0.0	-659.4	1320.9	1320.9	3.4
1.0	15.0	1.0	0.0	0.0	-693.1	1396.4	1396.1	18.5
1.0	15.0	0.0	2.0	0.0	-994.5	1999.1	1998.9	10.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-553.9	1118.2	1117.9	6.0
1.0	15.0	3.0	0.0	0.0	-645.0	1306.8	1305.9	10.6
1.0	15.0	4.0	0.0	0.0	-631.0	1278.8	1278.0	10.3
1.0	15.0	0.0	2.0	0.0	-599.4	1209.1	1208.8	7.3
1.0	15.0	0.0	1.0	0.0	-527.5	1065.3	1064.9	7.2
1.0	15.0	1.0	1.0	0.0	-653.3	1323.4	1322.5	16.9
1.0	15.0	1.0	0.0	0.0	-569.6	1156.1	1155.3	9.5
1.0	15.0	0.0	1.0	0.0	-641.8	1294.0	1293.7	11.0
1.0	15.0	0.0	1.0	0.0	-522.1	1054.6	1054.3	4.7
1.0	15.0	0.0	0.0	0.0	-380.9	763.8	763.8	2.1
1.0	15.0	1.0	0.0	0.0	-435.9	882.2	881.9	3.4
1.0	15.0	0.0	1.0	0.0	-654.0	1318.3	1317.9	9.2
1.0	15.0	0.0	2.0	0.0	-484.8	980.0	979.7	3.9
1.0	15.0	0.0	0.0	0.0	-338.8	679.5	679.5	2.1
1.0	15.0	1.0	0.0	0.0	-409.5	829.3	829.0	13.0
1.0	15.0	0.0	3.0	0.0	-624.2	1258.7	1258.4	9.5
1.0	15.0	0.0	1.0	0.0	-556.5	1123.3	1123.0	9.2
1.0	15.0	0.0	0.0	0.0	-329.5	661.0	660.9	2.0
1.0	15.0	1.0	0.0	0.0	-458.7	927.8	927.4	22.3
1.0	15.0	0.0	1.0	0.0	-709.2	1428.8	1428.4	12.1
1.0	15.0	0.0	1.0	0.0	-226.0	462.8	462.0	3.4
1.0	15.0	0.0	0.0	0.0	-174.9	351.9	351.8	1.8
1.0	15.0	1.0	0.0	0.0	-217.9	446.6	445.9	4.9
1.0	15.0	0.0	2.0	0.0	-292.3	595.4	594.7	7.0
1.0	15.0	0.0	4.0	0.0	-765.4	1541.0	1540.7	4.1
1.0	15.0	3.0	0.0	0.0	-958.8	1934.2	1933.7	8.6
1.0	15.0	4.0	0.0	0.0	-974.0	1964.5	1964.0	9.9
1.0	15.0	0.0	2.0	0.0	-822.4	1655.1	1654.9	5.6
1.0	15.0	0.0	1.0	0.0	-796.9	1604.0	1603.8	7.7
1.0	15.0	2.0	1.0	0.0	-1034.4	2085.4	2084.8	19.7
0.9	15.0	2.0	0.0	0.0	-825.8	1661.8	1661.5	11.3
1.0	15.0	0.0	1.0	0.0	-839.2	1688.5	1688.3	12.9
1.0	15.0	0.0	1.0	0.0	-822.3	1654.8	1654.5	5.5
1.0	15.0	0.0	0.0	0.0	-624.1	1250.3	1250.3	4.0
1.0	15.0	1.0	0.0	0.0	-732.3	1474.9	1474.7	14.9
1.0	15.0	0.0	1.0	0.0	-1034.5	2079.2	2079.0	11.6
1.0	15.0	0.0	2.0	0.0	-717.4	1445.0	1444.8	4.2
0.9	15.0	3.0	0.0	0.0	-525.3	1060.9	1060.7	1.7
1.0	15.0	1.0	0.0	0.0	-568.0	1146.3	1146.0	7.2
1.0	15.0	0.0	4.0	0.0	-784.8	1579.8	1579.5	5.6
1.0	15.0	0.0	1.0	0.0	-780.4	1571.1	1570.8	5.2
1.0	15.0	0.0	0.0	0.0	-540.4	1082.9	1082.9	2.2
1.0	15.0	1.0	0.0	0.0	-508.8	1027.8	1027.5	3.2
1.0	15.0	0.0	1.0	0.0	-913.3	1836.8	1836.6	9.0
1.0	15.0	0.0	2.0	0.0	-797.5	1605.2	1605.0	4.5
1.0	15.0	0.0	0.0	0.0	-746.9	1495.8	1495.8	4.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-705.1	1420.3	1420.1	11.9
1.0	15.0	0.0	1.0	0.0	-1022.3	2054.8	2054.6	10.4
1.0	15.0	0.0	3.0	0.0	-125.9	263.3	261.8	4.6
1.0	15.0	2.0	1.0	0.0	-151.4	322.8	318.8	10.0
1.0	15.0	3.0	0.0	0.0	-150.5	312.5	311.0	11.1
1.0	15.0	0.0	2.0	0.0	-140.1	291.7	290.1	8.0
1.0	15.0	0.0	1.0	0.0	-121.0	253.6	252.1	4.6
1.0	15.0	0.0	0.0	0.0	-69.4	140.9	140.8	1.2
0.9	15.0	1.0	0.0	0.0	-86.3	184.1	182.6	8.2
1.0	15.0	0.0	1.0	0.0	-131.8	275.2	273.7	6.2
1.0	15.0	0.0	2.0	0.0	-142.8	297.2	295.7	6.2
1.0	15.0	0.0	0.0	0.0	-62.5	127.0	126.9	1.1
1.0	15.0	1.0	0.0	0.0	-69.8	151.1	149.5	1.4
1.0	15.0	0.0	1.0	0.0	-160.5	332.5	331.0	10.2
1.0	15.0	0.0	2.0	0.0	-122.2	256.0	254.5	4.4
1.0	15.0	0.0	2.0	0.0	-108.7	229.0	227.4	2.3
1.0	15.0	2.0	0.0	0.0	-111.8	235.0	233.5	5.1
1.0	15.0	0.0	2.0	0.0	-173.9	359.3	357.7	11.5
0.9	15.0	0.0	3.0	0.0	-124.2	259.9	258.4	6.5
1.0	15.0	0.0	2.0	0.0	-140.7	292.9	291.3	6.7
1.0	15.0	4.0	0.0	0.0	-146.7	304.9	303.3	9.0
1.0	15.0	0.0	3.0	0.0	-134.8	281.2	279.7	6.9
1.0	15.0	0.0	2.0	0.0	-138.1	287.7	286.2	7.5
1.0	15.0	1.0	2.0	0.0	-178.0	367.5	366.0	15.6
0.7	15.0	1.0	0.0	0.0	-140.4	300.8	296.8	11.5
1.0	15.0	0.0	2.0	0.0	-145.4	302.3	300.7	7.3
1.0	15.0	0.0	2.0	0.0	-138.8	289.2	287.6	5.2
1.0	15.0	0.0	2.0	0.0	-115.2	241.9	240.4	3.6
0.9	15.0	1.0	0.0	0.0	-123.1	257.8	256.3	8.9
1.0	15.0	0.0	2.0	0.0	-163.9	339.4	337.8	9.6
0.8	15.0	0.0	2.0	0.0	-120.7	252.9	251.4	12.9
1.0	15.0	0.0	0.0	0.0	-68.7	139.5	139.4	1.1
1.0	15.0	2.0	0.0	0.0	-111.0	233.5	232.0	22.3
1.0	15.0	0.0	2.0	0.0	-139.4	290.3	288.7	15.0
1.0	15.0	0.0	2.0	0.0	-142.9	297.3	295.8	6.1
1.0	15.0	0.0	0.0	0.0	-67.9	138.0	137.9	1.1
1.0	15.0	2.0	0.0	0.0	-116.9	245.3	243.8	10.5
1.0	15.0	0.0	2.0	0.0	-148.1	307.7	306.2	11.7
1.0	15.0	0.0	3.0	0.0	-135.0	281.5	280.0	4.8
1.0	15.0	0.0	0.0	0.0	-78.7	159.4	159.3	1.8
1.0	15.0	2.0	0.0	0.0	-74.2	159.9	158.4	2.0
1.0	15.0	0.0	2.0	0.0	-138.6	288.7	287.1	5.7
1.0	15.0	0.0	2.0	0.0	-132.2	275.8	274.3	9.9
1.0	15.0	0.0	2.0	0.0	-118.3	248.2	246.6	3.6
1.0	15.0	2.0	0.0	0.0	-116.3	244.1	242.6	11.8
1.0	15.0	0.0	2.0	0.0	-169.0	349.5	348.0	11.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-121.7	263.3	259.3	13.2
0.5	15.0	1.0	2.0	0.0	-140.7	301.4	297.4	7.3
0.8	15.0	3.0	0.0	0.0	-141.0	293.5	292.0	9.8
1.0	15.0	1.0	3.0	0.0	-152.3	324.5	320.5	14.5
1.0	15.0	0.0	2.0	0.0	-131.2	273.9	272.3	5.4
1.0	15.0	2.0	1.0	0.0	-161.4	342.8	338.8	22.8
1.0	15.0	2.0	0.0	0.0	-130.3	280.7	276.7	8.8
1.0	15.0	0.0	2.0	0.0	-155.3	322.2	320.6	8.8
1.0	15.0	0.0	2.0	0.0	-122.2	255.9	254.4	5.4
1.0	15.0	0.0	0.0	0.0	-62.1	126.3	126.2	0.8
1.0	15.0	2.0	0.0	0.0	-109.2	230.0	228.5	6.7
1.0	15.0	0.0	3.0	0.0	-168.1	347.7	346.2	9.5
1.0	15.0	0.0	3.0	0.0	-132.8	277.2	275.7	6.8
1.0	15.0	0.0	0.0	0.0	-71.7	145.5	145.4	1.6
1.0	15.0	2.0	0.0	0.0	-75.2	162.0	160.5	2.8
1.0	15.0	0.0	2.0	0.0	-155.9	323.4	321.8	10.1
1.0	15.0	0.0	2.0	0.0	-121.9	255.3	253.8	4.2
1.0	15.0	0.0	2.0	0.0	-110.1	231.8	230.3	2.4
1.0	15.0	2.0	0.0	0.0	-114.2	239.9	238.3	5.9
1.0	15.0	0.0	2.0	0.0	-163.1	337.8	336.3	8.7
0.8	15.0	0.0	4.0	0.0	-133.4	278.3	276.8	4.5
1.0	15.0	7.0	0.0	0.0	-173.6	358.7	357.2	12.5
1.0	15.0	7.0	0.0	0.0	-154.7	321.0	319.4	10.0
1.0	15.0	0.0	0.0	0.0	-148.8	299.7	299.6	6.9
1.0	15.0	0.0	4.0	0.0	-124.7	261.0	259.4	5.1
0.5	15.0	4.0	0.0	0.0	-180.8	381.7	377.5	25.5
1.0	15.0	4.0	0.0	0.0	-130.3	280.7	276.6	11.7
1.0	15.0	0.0	1.0	0.0	-167.2	336.4	336.3	17.0
1.0	15.0	0.0	1.0	0.0	-146.6	304.8	303.2	7.5
1.0	15.0	0.0	0.0	0.0	-77.5	157.1	157.0	1.3
0.7	15.0	1.0	0.0	0.0	-105.3	222.1	220.6	15.3
0.7	15.0	0.0	1.0	0.0	-182.4	376.4	374.9	16.5
1.0	15.0	0.0	2.0	0.0	-135.9	283.4	281.8	5.1
0.9	15.0	3.0	0.0	0.0	-152.1	324.2	320.2	7.7
1.0	15.0	3.0	0.0	0.0	-140.7	292.9	291.4	8.2
0.8	15.0	0.0	3.0	0.0	-178.6	368.8	367.3	10.8
1.0	15.0	0.0	0.0	0.0	-100.6	203.3	203.2	2.4
1.0	15.0	3.0	0.0	0.0	-137.1	285.8	284.2	5.5
1.0	15.0	3.0	0.0	0.0	-127.0	265.6	264.1	4.5
1.0	15.0	0.0	0.0	0.0	-142.0	286.1	286.0	6.5
1.0	15.0	2.0	0.0	0.0	-126.5	264.6	263.1	4.4
1.0	15.0	3.0	0.0	0.0	-171.1	353.8	352.2	17.3
1.0	15.0	2.0	0.0	0.0	-118.6	248.7	247.1	3.8
1.0	15.0	0.0	0.0	0.0	-135.4	273.0	272.9	5.5
0.7	15.0	1.0	3.0	0.0	-130.6	272.7	271.1	4.3
1.0	15.0	4.0	0.0	0.0	-146.9	305.3	303.7	39.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-137.6	286.7	285.2	19.9
1.0	15.0	0.0	0.0	0.0	-183.0	368.1	368.1	14.0
0.8	15.0	7.0	0.0	0.0	-113.5	238.5	237.0	2.6
1.0	15.0	3.0	0.0	0.0	-99.0	209.6	208.0	6.3
1.0	15.0	2.0	0.0	0.0	-82.6	176.7	175.2	2.3
1.0	15.0	0.0	0.0	0.0	-130.4	263.0	262.9	4.8
0.9	15.0	2.0	0.0	0.0	-143.2	297.9	296.4	6.1
1.0	15.0	4.0	0.0	0.0	-156.0	323.6	322.0	26.2
1.0	15.0	4.0	0.0	0.0	-140.7	292.9	291.3	14.5
1.0	15.0	0.0	0.0	0.0	-174.8	351.8	351.7	11.5
0.9	15.0	1.0	0.0	0.0	-120.9	253.3	251.8	3.7
1.0	15.0	1.0	0.0	0.0	-104.8	221.2	219.6	3.4
1.0	15.0	1.0	0.0	0.0	-75.3	162.2	160.6	1.4
1.0	15.0	0.0	0.0	0.0	-159.7	321.6	321.5	9.3
0.9	15.0	1.0	0.0	0.0	-113.6	238.6	237.1	3.1
1.0	15.0	4.0	0.0	0.0	-138.6	288.8	287.3	21.8
1.0	15.0	3.0	0.0	0.0	-121.3	254.2	252.6	10.8
1.0	15.0	0.0	0.0	0.0	-163.1	328.4	328.3	8.6
1.0	15.0	0.0	0.0	0.0	-116.5	235.2	235.1	3.5
1.0	15.0	2.0	0.0	0.0	-130.5	272.6	271.0	5.3
1.0	15.0	2.0	0.0	0.0	-106.9	225.3	223.7	2.4
1.0	15.0	0.0	0.0	0.0	-130.9	264.0	263.9	4.2
0.9	15.0	0.0	3.0	0.0	-117.2	245.9	244.4	3.3
1.0	15.0	2.0	1.0	0.0	-138.8	297.5	293.5	7.3
1.0	15.0	3.0	0.0	0.0	-137.3	294.6	290.6	8.9
1.0	15.0	0.0	1.0	0.0	-134.3	280.0	278.5	6.1
1.0	15.0	0.0	3.0	0.0	-128.9	269.3	267.8	4.7
1.0	15.0	0.0	0.0	0.0	-110.6	223.3	223.2	4.0
1.0	15.0	4.0	0.0	0.0	-110.3	232.2	230.6	2.6
1.0	15.0	0.0	1.0	0.0	-162.9	327.8	327.7	12.2
1.0	15.0	0.0	2.0	0.0	-114.4	240.4	238.9	2.8
1.0	15.0	0.0	0.0	0.0	-69.5	141.1	141.0	1.1
1.0	15.0	1.0	0.0	0.0	-73.4	158.3	156.7	1.2
1.0	15.0	0.0	1.0	0.0	-174.0	359.6	358.0	10.6
1.0	15.0	0.0	2.0	0.0	-126.5	264.5	263.0	4.1
0.8	15.0	3.0	0.0	0.0	-110.9	233.3	231.8	4.9
1.0	15.0	3.0	0.0	0.0	-102.6	216.7	215.2	3.3
1.0	15.0	0.0	1.0	0.0	-155.5	322.6	321.0	7.1
1.0	15.0	0.0	1.0	0.0	-116.4	244.3	242.8	3.2
1.0	15.0	0.0	0.0	0.0	-92.2	186.4	186.3	2.0
1.0	15.0	1.0	0.0	0.0	-97.4	206.4	204.8	3.3
1.0	15.0	0.0	1.0	0.0	-171.7	345.6	345.5	11.1
1.0	15.0	0.0	0.0	0.0	-148.6	299.3	299.3	7.0
1.0	15.0	3.0	0.0	0.0	-175.7	362.9	361.3	21.4
1.0	15.0	3.0	0.0	0.0	-145.0	301.4	299.9	11.8
1.0	15.0	0.0	0.0	0.0	-174.5	351.2	351.1	12.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-122.0	246.2	246.1	3.8
1.0	15.0	1.0	0.0	0.0	-159.0	329.6	328.0	26.7
1.0	15.0	0.0	0.0	0.0	-137.0	276.1	276.0	12.9
1.0	15.0	0.0	1.0	0.0	-167.7	337.4	337.3	13.8
1.0	15.0	0.0	0.0	0.0	-126.7	255.6	255.5	4.6
1.0	15.0	2.0	0.0	0.0	-154.9	321.4	319.9	9.5
1.0	15.0	3.0	0.0	0.0	-120.1	251.7	250.2	4.2
1.0	15.0	0.0	0.0	0.0	-163.5	329.0	328.9	8.9
1.0	15.0	0.0	0.0	0.0	-124.0	250.1	250.0	4.1
1.0	15.0	3.0	0.0	0.0	-149.4	310.3	308.7	7.6
1.0	15.0	1.0	0.0	0.0	-118.9	249.4	247.9	5.4
1.0	15.0	0.0	0.0	0.0	-131.2	264.4	264.3	4.4
0.9	15.0	0.0	2.0	0.0	-134.4	280.3	278.7	10.2
1.0	15.0	2.0	2.0	0.0	-131.4	282.8	278.8	5.2
1.0	15.0	2.0	1.0	0.0	-131.2	282.3	278.3	8.3
1.0	15.0	0.0	5.0	0.0	-174.0	359.5	358.0	11.2
1.0	15.0	0.0	3.0	0.0	-147.0	305.5	304.0	7.7
1.0	15.0	3.0	3.0	0.0	-212.1	444.3	440.2	48.1
1.0	15.0	2.0	1.0	0.0	-170.0	360.1	356.0	21.8
1.0	15.0	0.0	7.0	0.0	-168.2	347.9	346.4	10.3
1.0	15.0	1.0	3.0	0.0	-135.6	282.8	281.2	6.0
1.0	15.0	0.0	0.0	0.0	-91.8	185.7	185.6	1.9
1.0	15.0	3.0	0.0	0.0	-102.5	216.5	215.0	8.0
1.0	15.0	0.0	8.0	0.0	-203.0	417.6	416.1	24.3
1.0	15.0	0.0	3.0	0.0	-140.1	291.8	290.3	6.5
1.0	15.0	2.0	0.0	0.0	-117.8	255.6	251.6	4.7
1.0	15.0	3.0	0.0	0.0	-124.0	268.0	264.0	5.8
1.0	15.0	0.0	6.0	0.0	-162.6	336.8	335.2	9.8
1.0	15.0	0.0	2.0	0.0	-136.7	285.0	283.5	5.1
1.0	15.0	0.0	0.0	0.0	-80.9	164.0	163.9	1.7
0.7	15.0	1.0	0.0	0.0	-69.8	151.1	149.5	1.3
1.0	15.0	0.0	2.0	0.0	-191.9	395.3	393.7	16.0
1.0	15.0	0.0	4.0	0.0	-125.2	270.4	266.4	4.6
1.0	15.0	2.0	3.0	0.0	-117.7	255.5	251.5	3.6
1.0	15.0	4.0	0.0	0.0	-133.8	287.7	283.7	6.5
1.0	15.0	0.0	6.0	0.0	-162.1	335.8	334.2	8.9
1.0	15.0	0.0	4.0	0.0	-133.6	278.7	277.1	6.8
0.9	15.0	2.0	2.0	0.0	-153.2	326.4	322.4	8.2
1.0	15.0	5.0	0.0	0.0	-158.6	328.7	327.2	9.9
0.9	15.0	0.0	3.0	0.0	-167.8	347.2	345.6	11.6
1.0	15.0	0.0	2.0	0.0	-152.8	317.2	315.6	9.4
1.0	15.0	0.0	2.0	0.0	-119.8	251.1	249.6	4.3
1.0	15.0	2.0	0.0	0.0	-125.7	262.8	261.3	8.3
1.0	15.0	0.0	3.0	0.0	-170.3	352.2	350.7	15.7
1.0	15.0	0.0	3.0	0.0	-127.9	267.3	265.7	10.8
1.0	15.0	0.0	0.0	0.0	-76.7	155.4	155.3	1.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-111.0	233.6	232.0	14.9
1.0	15.0	0.0	3.0	0.0	-113.2	237.9	236.4	11.1
1.0	15.0	0.0	1.0	0.0	-127.5	266.5	264.9	4.8
1.0	15.0	0.0	0.0	0.0	-81.4	164.9	164.8	1.5
1.0	15.0	1.0	0.0	0.0	-108.4	228.4	226.8	7.1
1.0	15.0	0.0	1.0	0.0	-159.7	331.0	329.4	10.4
1.0	15.0	0.0	3.0	0.0	-158.4	328.3	326.8	13.5
1.0	15.0	0.0	0.0	0.0	-85.4	172.9	172.8	1.9
1.0	15.0	1.0	0.0	0.0	-93.9	199.3	197.8	5.7
1.0	15.0	0.0	2.0	0.0	-167.1	345.7	344.1	18.9
1.0	15.0	0.0	2.0	0.0	-127.2	266.0	264.5	7.4
1.0	15.0	0.0	0.0	0.0	-106.4	214.8	214.7	4.3
1.0	15.0	2.0	0.0	0.0	-117.8	247.1	245.6	14.6
1.0	15.0	0.0	2.0	0.0	-137.2	286.0	284.5	6.4
1.0	15.0	0.0	4.0	0.0	-133.7	279.0	277.4	9.7
1.0	15.0	0.0	3.0	0.0	-156.1	323.8	322.2	8.0
1.0	15.0	4.0	0.0	0.0	-174.9	361.4	359.8	18.6
1.0	15.0	0.0	4.0	0.0	-158.9	329.3	327.8	9.1
1.0	15.0	0.0	1.0	0.0	-134.1	279.8	278.2	7.0
0.8	15.0	2.0	1.0	0.0	-189.1	398.3	394.3	23.8
0.9	15.0	2.0	0.0	0.0	-144.1	308.3	304.3	10.5
1.0	15.0	0.0	3.0	0.0	-149.0	309.5	308.0	6.4
1.0	15.0	0.0	2.0	0.0	-145.6	302.7	301.1	7.0
1.0	15.0	0.0	2.0	0.0	-118.2	247.9	246.4	5.3
1.0	15.0	1.0	0.0	0.0	-125.6	262.7	261.1	10.6
1.0	15.0	0.0	2.0	0.0	-183.8	379.2	377.7	15.2
1.0	15.0	0.0	3.0	0.0	-127.6	266.7	265.1	8.7
1.0	15.0	0.0	0.0	0.0	-61.0	124.2	124.1	0.9
1.0	15.0	2.0	0.0	0.0	-103.6	218.6	217.1	14.2
1.0	15.0	0.0	3.0	0.0	-148.9	309.3	307.8	11.5
1.0	15.0	0.0	1.0	0.0	-113.1	237.7	236.2	3.0
1.0	15.0	0.0	0.0	0.0	-75.0	152.2	152.1	1.3
1.0	15.0	1.0	0.0	0.0	-95.3	202.1	200.6	16.8
1.0	15.0	0.0	1.0	0.0	-176.1	363.7	362.1	10.6
1.0	15.0	0.0	3.0	0.0	-155.1	321.8	320.2	15.7
1.0	15.0	0.0	0.0	0.0	-78.7	159.5	159.4	1.7
1.0	15.0	1.0	0.0	0.0	-91.9	195.4	193.8	4.7
1.0	15.0	0.0	2.0	0.0	-151.9	315.3	313.8	23.2
1.0	15.0	0.0	2.0	0.0	-151.6	314.8	313.3	14.0
1.0	15.0	3.0	1.0	0.0	-126.6	273.1	269.1	5.5
1.0	15.0	2.0	0.0	0.0	-129.9	271.4	269.9	23.5
1.0	15.0	0.0	3.0	0.0	-175.4	362.3	360.7	15.2
1.0	15.0	0.0	4.0	0.0	-135.7	282.8	281.3	4.8
0.9	15.0	5.0	0.0	0.0	-159.5	330.4	328.9	8.8
1.0	15.0	5.0	0.0	0.0	-146.8	305.1	303.5	7.9
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.5	6.2



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-161.0	324.1	324.0	7.7
1.0	15.0	2.0	0.0	0.0	-87.6	186.6	185.1	1.7
1.0	15.0	3.0	0.0	0.0	-75.8	163.1	161.6	1.5
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	11.3
1.0	15.0	0.0	0.0	0.0	-129.6	261.2	261.1	4.2
1.0	15.0	1.0	0.0	0.0	-166.6	344.7	343.1	10.2
1.0	15.0	0.0	0.0	0.0	-130.2	262.4	262.3	6.6
1.0	15.0	0.0	0.0	0.0	-148.1	298.3	298.2	6.3
1.0	15.0	0.0	3.0	0.0	-115.9	243.3	241.7	3.4
0.8	15.0	4.0	0.0	0.0	-153.9	327.9	323.9	12.1
1.0	15.0	3.0	0.0	0.0	-133.0	277.5	275.9	7.3
1.0	15.0	0.0	0.0	0.0	-125.2	252.5	252.4	4.5
1.0	15.0	0.0	0.0	0.0	-111.1	224.2	224.1	3.1
1.0	15.0	1.0	0.0	0.0	-139.0	289.5	288.0	6.9
1.0	15.0	1.0	0.0	0.0	-121.7	254.9	253.4	4.0
1.0	15.0	0.0	0.0	0.0	-141.1	284.3	284.2	5.3
1.0	15.0	0.0	0.0	0.0	-149.8	301.7	301.6	6.9
1.0	15.0	2.0	1.0	0.0	-150.3	312.1	310.6	7.8
1.0	15.0	2.0	0.0	0.0	-120.8	253.2	251.6	5.7
1.0	15.0	0.0	0.0	0.0	-136.4	274.9	274.8	6.1
1.0	15.0	0.0	1.0	0.0	-123.4	258.3	256.8	4.0
1.0	15.0	1.0	1.0	0.0	-174.9	369.8	365.8	17.9
1.0	15.0	0.0	0.0	0.0	-148.8	299.6	299.5	7.5
1.0	15.0	0.0	1.0	0.0	-139.2	290.0	288.4	5.4
1.0	15.0	0.0	3.0	0.0	-142.3	296.2	294.7	5.5
1.0	15.0	2.0	0.0	0.0	-142.6	305.2	301.2	10.9
1.0	15.0	2.0	0.0	0.0	-142.4	304.8	300.8	8.6
1.0	15.0	0.0	1.0	0.0	-163.7	329.4	329.4	9.4
1.0	15.0	0.0	1.0	0.0	-115.0	241.6	240.1	2.9
1.0	15.0	3.0	1.0	0.0	-164.0	348.1	344.1	12.4
1.0	15.0	2.0	1.0	0.0	-140.9	301.8	297.8	8.9
1.0	15.0	0.0	1.0	0.0	-142.8	297.1	295.5	5.9
1.0	15.0	0.0	5.0	0.0	-120.2	251.9	250.3	3.2
1.0	15.0	2.0	0.0	0.0	-90.8	193.1	191.5	4.2
1.0	15.0	2.0	0.0	0.0	-85.4	182.3	180.8	2.9
1.0	15.0	0.0	1.0	0.0	-133.6	269.3	269.2	6.9
1.0	15.0	0.0	1.0	0.0	-130.7	273.0	271.5	9.6
1.0	15.0	3.0	0.0	0.0	-146.6	313.2	309.2	14.7
1.0	15.0	3.0	0.0	0.0	-145.2	310.3	306.3	22.0
1.0	15.0	0.0	3.0	0.0	-167.6	346.8	345.2	13.1
1.0	15.0	0.0	0.0	0.0	-132.0	266.1	266.0	4.6
1.0	15.0	6.0	0.0	0.0	-168.6	348.8	347.2	9.6
1.0	15.0	2.0	0.0	0.0	-156.8	325.2	323.6	7.2
1.0	15.0	0.0	0.0	0.0	-138.6	279.3	279.2	5.4
1.0	15.0	0.0	0.0	0.0	-105.4	212.9	212.8	2.8
0.9	15.0	1.0	0.0	0.0	-162.3	336.1	334.6	11.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	1.0	0.0	0.0	-134.2	280.0	278.4	5.0
1.0	15.0	0.0	0.0	0.0	-148.5	299.2	299.1	6.8
1.0	15.0	0.0	0.0	0.0	-133.6	269.2	269.1	4.6
0.9	15.0	3.0	0.0	0.0	-123.8	267.5	263.5	5.3
0.5	15.0	3.0	0.0	0.0	-110.1	240.2	236.2	2.9
1.0	15.0	0.0	0.0	0.0	-132.4	266.8	266.7	5.9
0.9	15.0	0.0	3.0	0.0	-134.5	280.5	279.0	6.9
0.7	15.0	4.0	0.0	0.0	-147.6	315.3	311.3	13.7
0.8	15.0	4.0	0.0	0.0	-143.5	307.0	303.0	16.5
1.0	15.0	0.0	0.0	0.0	-146.0	294.1	294.0	6.7
1.0	15.0	0.0	6.0	0.0	-118.6	248.8	247.3	4.0
1.0	15.0	7.0	0.0	0.0	-180.6	372.8	371.2	30.6
0.7	15.0	7.0	0.0	0.0	-170.5	361.0	357.0	15.6
1.0	15.0	0.0	0.0	0.0	-152.7	307.4	307.3	14.6
1.0	15.0	0.0	2.0	0.0	-129.7	270.9	269.4	5.3
1.0	15.0	0.0	0.0	0.0	-85.4	172.9	172.8	3.0
1.0	15.0	3.0	0.0	0.0	-85.3	182.2	180.7	4.4
1.0	15.0	2.0	0.0	0.0	-174.3	360.2	358.7	13.7
1.0	15.0	0.0	3.0	0.0	-133.5	278.6	277.1	4.5
1.0	15.0	3.0	0.0	0.0	-126.1	272.2	268.2	6.1
1.0	15.0	4.0	0.0	0.0	-128.8	277.6	273.6	6.2
1.0	15.0	0.0	1.0	0.0	-170.6	343.2	343.1	12.3
1.0	15.0	0.0	0.0	0.0	-115.7	233.5	233.4	3.3
1.0	15.0	2.0	0.0	0.0	-166.5	344.6	343.0	9.8
1.0	15.0	2.0	0.0	0.0	-124.0	259.6	258.0	4.5
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.5	5.7
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	5.7
0.9	15.0	2.0	0.0	0.0	-180.2	372.1	370.5	16.8
1.0	15.0	1.0	0.0	0.0	-135.1	281.8	280.2	5.7
1.0	15.0	0.0	2.0	0.0	-177.5	357.1	357.0	12.5
1.0	15.0	0.0	0.0	0.0	-929.7	1861.5	1861.5	5.4
0.9	15.0	2.0	0.0	0.0	-1171.8	2353.8	2353.6	11.2
1.0	15.0	2.0	0.0	0.0	-980.6	1971.3	1971.1	6.6
1.0	15.0	0.0	0.0	0.0	-1090.4	2182.9	2182.9	8.0
1.0	15.0	0.0	0.0	0.0	-585.2	1172.4	1172.3	6.4
1.0	15.0	1.0	0.0	0.0	-539.3	1088.9	1088.6	5.6
1.0	15.0	1.0	0.0	0.0	-532.2	1074.7	1074.4	5.2
1.0	15.0	0.0	1.0	0.0	-604.4	1210.9	1210.9	12.3
1.0	15.0	0.0	2.0	0.0	-466.5	943.3	942.9	3.5
1.0	15.0	2.0	0.0	0.0	-590.3	1190.9	1190.5	7.8
1.0	15.0	2.0	0.0	0.0	-484.5	979.3	979.0	4.1
1.0	15.0	0.0	0.0	0.0	-611.3	1224.7	1224.7	7.3
1.0	15.0	0.0	2.0	0.0	-801.7	1613.7	1613.4	5.7
1.0	15.0	2.0	0.0	0.0	-982.5	1975.1	1974.9	12.1
0.5	15.0	2.0	0.0	0.0	-967.1	1950.8	1950.3	11.7
1.0	15.0	0.0	1.0	0.0	-872.8	1755.9	1755.6	11.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-751.8	1513.8	1513.6	4.1
1.0	15.0	2.0	0.0	0.0	-979.6	1969.4	1969.2	10.2
1.0	15.0	2.0	0.0	0.0	-765.5	1541.2	1541.0	6.0
1.0	15.0	0.0	0.0	0.0	-914.7	1831.5	1831.5	7.2
1.0	15.0	0.0	2.0	0.0	-113.7	239.0	237.5	3.3
1.0	15.0	2.0	0.0	0.0	-139.3	298.5	294.5	8.5
1.0	15.0	2.0	0.0	0.0	-134.1	288.2	284.2	10.1
1.0	15.0	0.0	2.0	0.0	-137.5	286.6	285.0	8.0
1.0	15.0	0.0	3.0	0.0	-123.7	258.9	257.3	3.6
1.0	15.0	4.0	0.0	0.0	-179.0	369.6	368.0	14.4
1.0	15.0	4.0	0.0	0.0	-135.2	282.0	280.5	5.6
1.0	15.0	0.0	0.0	0.0	-154.1	310.4	310.3	6.9
1.0	15.0	0.0	0.0	0.0	-118.9	239.8	239.7	3.7
1.0	15.0	2.0	0.0	0.0	-159.7	331.0	329.4	12.0
1.0	15.0	2.0	0.0	0.0	-126.0	263.5	261.9	9.9
1.0	15.0	0.0	0.0	0.0	-160.2	322.4	322.3	8.6
1.0	15.0	0.0	2.0	0.0	-133.3	278.2	276.6	8.6
1.0	15.0	2.0	0.0	0.0	-159.5	330.5	329.0	11.1
1.0	15.0	2.0	0.0	0.0	-147.3	306.2	304.6	10.9
1.0	15.0	0.0	1.0	0.0	-140.0	282.1	282.0	11.4
1.0	15.0	0.0	1.0	0.0	-139.2	290.0	288.5	11.0
1.0	15.0	0.0	0.0	0.0	-73.9	150.0	149.9	1.8
0.8	15.0	1.0	0.0	0.0	-108.2	227.9	226.3	18.7
1.0	15.0	0.0	1.0	0.0	-160.0	331.6	330.0	12.7
1.0	15.0	0.0	0.0	0.0	-126.9	256.0	255.9	4.3
1.0	15.0	2.0	0.0	0.0	-161.2	333.9	332.3	9.7
1.0	15.0	2.0	0.0	0.0	-121.6	254.9	253.3	4.8
1.0	15.0	0.0	0.0	0.0	-161.3	324.7	324.6	8.2
1.0	15.0	0.0	2.0	0.0	-113.3	238.2	236.7	2.8
1.0	15.0	2.0	0.0	0.0	-139.4	290.4	288.8	5.9
1.0	15.0	2.0	0.0	0.0	-127.7	267.0	265.5	4.8
1.0	15.0	0.0	0.0	0.0	-128.6	259.3	259.2	4.0
0.5	15.0	0.0	3.0	0.0	-128.6	268.8	267.2	4.2
1.0	15.0	2.0	0.0	0.0	-109.4	230.4	228.9	4.8
0.9	15.0	2.0	0.0	0.0	-108.0	227.5	226.0	4.4
1.0	15.0	0.0	2.0	0.0	-176.8	365.1	363.5	12.4
1.0	15.0	0.0	0.0	0.0	-120.7	243.5	243.4	3.7
1.0	15.0	2.0	0.0	0.0	-161.7	335.0	333.5	11.8
1.0	15.0	2.0	0.0	0.0	-131.1	273.8	272.3	6.1
1.0	15.0	0.0	0.0	0.0	-137.7	277.5	277.4	5.0
1.0	15.0	0.0	2.0	0.0	-109.5	230.6	229.0	2.7
1.0	15.0	2.0	0.0	0.0	-162.8	337.2	335.6	11.5
1.0	15.0	2.0	0.0	0.0	-116.5	244.6	243.0	3.2
1.0	15.0	0.0	0.0	0.0	-143.5	289.1	289.0	6.2
1.0	15.0	0.0	2.0	0.0	-114.6	240.7	239.1	3.3
1.0	15.0	4.0	0.0	0.0	-168.1	347.7	346.1	14.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-134.6	280.7	279.1	7.3
1.0	15.0	0.0	0.0	0.0	-166.1	334.3	334.2	9.5
1.0	15.0	0.0	3.0	0.0	-113.4	246.9	242.8	4.0
1.0	15.0	5.0	0.0	0.0	-181.4	374.4	372.8	36.0
0.8	15.0	5.0	0.0	0.0	-162.7	337.1	335.5	30.1
1.0	15.0	0.0	1.0	0.0	-155.1	312.2	312.1	10.7
1.0	15.0	0.0	1.0	0.0	-119.2	250.0	248.5	3.3
1.0	15.0	1.0	0.0	0.0	-112.4	236.3	234.7	6.5
1.0	15.0	1.0	0.0	0.0	-107.4	226.4	224.8	5.1
1.0	15.0	0.0	0.0	0.0	-176.6	355.4	355.3	14.0
1.0	15.0	1.0	2.0	0.0	-127.9	267.3	265.8	3.9
1.0	15.0	2.0	0.0	0.0	-108.4	236.8	232.8	3.3
1.0	15.0	2.0	0.0	0.0	-100.2	220.3	216.3	3.7
1.0	15.0	0.0	0.0	0.0	-151.9	305.8	305.7	7.0
1.0	15.0	2.0	0.0	0.0	-145.2	302.0	300.4	6.3
1.0	15.0	1.0	2.0	0.0	-175.3	370.6	366.5	23.7
1.0	15.0	1.0	3.0	0.0	-159.5	339.0	334.9	11.3
1.0	15.0	0.0	1.0	0.0	-148.5	308.5	307.0	8.6
0.9	15.0	2.0	1.0	0.0	-143.2	298.0	296.4	5.3
1.0	15.0	0.0	0.0	0.0	-63.9	129.9	129.8	0.9
0.8	15.0	1.0	0.0	0.0	-83.3	178.1	176.5	3.4
1.0	15.0	0.0	1.0	0.0	-139.9	291.2	289.7	5.5
1.0	15.0	0.0	2.0	0.0	-135.1	281.7	280.2	5.0
1.0	15.0	1.0	0.0	0.0	-112.0	235.6	234.0	3.2
1.0	15.0	1.0	0.0	0.0	-112.5	236.5	235.0	3.4
1.0	15.0	0.0	1.0	0.0	-168.6	339.3	339.2	13.8
1.0	15.0	1.0	0.0	0.0	-136.7	284.9	283.4	8.4
1.0	15.0	1.0	1.0	0.0	-174.8	361.1	359.5	33.3
0.7	15.0	1.0	1.0	0.0	-144.6	300.8	299.2	11.5
1.0	15.0	0.0	1.0	0.0	-159.6	321.3	321.2	12.7
1.0	15.0	0.0	2.0	0.0	-128.3	268.2	266.6	4.6
1.0	15.0	0.0	0.0	0.0	-112.0	226.0	226.0	5.7
1.0	15.0	2.0	0.0	0.0	-118.1	247.8	246.2	16.8
1.0	15.0	0.0	2.0	0.0	-138.2	288.0	286.5	6.1
1.0	15.0	0.0	3.0	0.0	-138.7	288.9	287.4	5.1
1.0	15.0	4.0	0.0	0.0	-147.6	306.7	305.2	7.0
1.0	15.0	4.0	0.0	0.0	-155.7	322.9	321.3	8.1
1.0	15.0	0.0	0.0	0.0	-142.2	286.5	286.4	5.7
1.0	15.0	0.0	0.0	0.0	-135.7	273.4	273.4	7.0
1.0	15.0	3.0	1.0	0.0	-194.8	409.6	405.6	20.7
1.0	15.0	2.0	0.0	0.0	-158.1	336.3	332.3	13.2
1.0	15.0	0.0	1.0	0.0	-176.0	354.2	354.1	14.1
1.0	15.0	0.0	2.0	0.0	-119.3	250.1	248.6	3.4
1.0	15.0	2.0	1.0	0.0	-106.7	233.5	229.5	2.5
1.0	15.0	2.0	0.0	0.0	-107.6	226.8	225.3	2.3
1.0	15.0	0.0	2.0	0.0	-151.3	314.1	312.6	6.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-138.4	278.8	278.7	4.8
1.0	15.0	2.0	0.0	0.0	-160.2	331.9	330.3	8.2
1.0	15.0	2.0	0.0	0.0	-117.2	246.0	244.5	3.5
1.0	15.0	0.0	0.0	0.0	-136.8	275.7	275.6	4.9
1.0	15.0	0.0	4.0	0.0	-124.8	261.2	259.7	3.7
1.0	15.0	0.0	1.0	0.0	-159.6	321.2	321.1	9.3
1.0	15.0	2.0	0.0	0.0	-142.4	304.7	300.7	5.8
1.0	15.0	1.0	0.0	0.0	-152.5	307.0	306.9	9.6
1.0	15.0	0.0	5.0	0.0	-119.5	259.1	255.1	4.0
1.0	15.0	6.0	0.0	0.0	-180.0	371.5	370.0	30.5
0.9	15.0	6.0	0.0	0.0	-156.7	324.9	323.3	19.7
1.0	15.0	0.0	0.0	0.0	-140.0	282.1	282.0	7.3
1.0	15.0	0.0	2.0	0.0	-114.8	241.0	239.5	6.3
1.0	15.0	0.0	0.0	0.0	-66.4	134.9	134.8	1.0
1.0	15.0	1.0	0.0	0.0	-83.8	179.2	177.7	5.0
1.0	15.0	0.0	2.0	0.0	-156.2	323.9	322.4	23.2
1.0	15.0	0.0	2.0	0.0	-112.6	236.8	235.3	2.7
0.6	15.0	3.0	0.0	0.0	-129.1	278.2	274.2	4.5
1.0	15.0	3.0	0.0	0.0	-119.2	250.0	248.5	3.6
1.0	15.0	0.0	0.0	0.0	-139.8	281.7	281.6	5.9
1.0	15.0	0.0	3.0	0.0	-148.3	308.2	306.7	6.3
1.0	15.0	0.0	0.0	0.0	-106.7	215.5	215.4	2.7
1.0	15.0	3.0	0.0	0.0	-117.3	246.1	244.6	4.6
1.0	15.0	0.0	0.0	0.0	-186.0	374.2	374.1	13.8
1.0	15.0	0.0	1.0	0.0	-112.2	235.8	234.3	2.7
1.0	15.0	0.0	0.0	0.0	-84.0	170.1	170.0	1.8
1.0	15.0	2.0	0.0	0.0	-73.6	158.8	157.2	1.1
1.0	15.0	0.0	2.0	0.0	-135.0	281.6	280.0	5.1
1.0	15.0	0.0	1.0	0.0	-106.6	224.7	223.2	2.5
1.0	15.0	0.0	0.0	0.0	-115.7	233.6	233.5	4.4
1.0	15.0	1.0	0.0	0.0	-108.5	228.5	226.9	2.5
1.0	15.0	0.0	1.0	0.0	-128.0	267.5	266.0	4.4
1.0	15.0	0.0	2.0	0.0	-152.8	317.1	315.6	11.3
1.0	15.0	1.0	3.0	0.0	-203.7	427.3	423.3	67.7
1.0	15.0	1.0	3.0	0.0	-168.1	356.2	352.2	31.0
1.0	15.0	0.0	4.0	0.0	-174.0	359.6	358.0	18.2
0.9	15.0	0.0	4.0	0.0	-127.3	266.1	264.6	5.5
1.0	15.0	0.0	3.0	0.0	-73.4	158.4	156.8	0.6
0.9	15.0	3.0	0.0	0.0	-101.1	213.7	212.2	5.1
1.0	15.0	0.0	4.0	0.0	-128.6	268.6	267.1	5.4
1.0	15.0	0.0	4.0	0.0	-149.4	310.4	308.9	9.4
1.0	15.0	0.0	0.0	0.0	-122.8	247.6	247.5	4.8
1.0	15.0	2.0	0.0	0.0	-117.3	246.2	244.6	4.3
1.0	15.0	0.0	4.0	0.0	-179.8	371.1	369.6	13.4
1.0	15.0	0.0	4.0	0.0	-135.9	283.4	281.8	7.6
0.9	15.0	2.0	2.0	0.0	-104.0	228.0	224.0	1.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-137.3	286.1	284.5	7.3
1.0	15.0	0.0	3.0	0.0	-172.0	355.5	353.9	11.1
1.0	15.0	0.0	3.0	0.0	-119.9	251.3	249.8	4.8
0.9	15.0	2.0	3.0	0.0	-138.3	296.5	292.5	6.9
1.0	15.0	4.0	0.0	0.0	-130.2	271.9	270.4	5.2
1.0	15.0	0.0	3.0	0.0	-123.9	259.4	257.9	6.4
1.0	15.0	0.0	1.0	0.0	-116.6	244.7	243.2	4.0
0.9	15.0	2.0	1.0	0.0	-170.7	361.5	357.5	31.9
1.0	15.0	1.0	1.0	0.0	-134.8	281.1	279.5	12.2
1.0	15.0	0.0	1.0	0.0	-133.2	277.9	276.4	5.6
1.0	15.0	0.0	1.0	0.0	-119.9	251.3	249.7	3.4
1.0	15.0	0.0	2.0	0.0	-104.2	219.9	218.3	1.9
1.0	15.0	1.0	1.0	0.0	-127.0	265.6	264.1	6.0
1.0	15.0	0.0	2.0	0.0	-167.8	347.2	345.6	10.8
0.8	15.0	0.0	2.0	0.0	-119.4	250.4	248.8	4.5
1.0	15.0	0.0	0.0	0.0	-78.1	158.2	158.1	1.8
0.9	15.0	2.0	0.0	0.0	-93.9	207.8	203.8	11.0
0.9	15.0	0.0	2.0	0.0	-135.1	281.7	280.2	8.9
1.0	15.0	0.0	1.0	0.0	-147.6	306.8	305.3	8.8
1.0	15.0	0.0	0.0	0.0	-109.3	220.8	220.7	3.0
1.0	15.0	1.0	0.0	0.0	-107.1	225.7	224.1	11.8
1.0	15.0	0.0	2.0	0.0	-158.3	328.2	326.7	10.4
1.0	15.0	0.0	3.0	0.0	-144.9	301.2	299.7	7.4
1.0	15.0	0.0	0.0	0.0	-91.2	184.4	184.3	5.5
1.0	15.0	2.0	0.0	0.0	-79.7	170.8	169.3	2.6
1.0	15.0	0.0	2.0	0.0	-157.8	327.1	325.5	12.2
1.0	15.0	0.0	2.0	0.0	-119.6	250.7	249.2	4.4
1.0	15.0	0.0	2.0	0.0	-102.9	217.3	215.8	3.0
1.0	15.0	1.0	0.0	0.0	-112.8	237.2	235.6	5.9
1.0	15.0	0.0	2.0	0.0	-147.6	306.7	305.1	7.2
1.0	15.0	0.0	0.0	0.0	-117.9	237.9	237.8	3.9
1.0	15.0	1.0	0.0	0.0	-158.9	329.4	327.8	9.7
1.0	15.0	1.0	0.0	0.0	-125.8	263.1	261.5	5.3
1.0	15.0	0.0	0.0	0.0	-157.3	316.8	316.7	7.6
1.0	15.0	0.0	2.0	0.0	-112.8	237.2	235.7	2.6
0.8	15.0	2.0	0.0	0.0	-153.7	327.4	323.4	7.3
0.6	15.0	3.0	0.0	0.0	-150.1	320.1	316.1	7.2
1.0	15.0	0.0	0.0	0.0	-145.9	293.8	293.7	6.1
1.0	15.0	0.0	1.0	0.0	-113.3	238.0	236.5	2.9
1.0	15.0	0.0	1.0	0.0	-108.8	219.6	219.5	5.5
1.0	15.0	1.0	0.0	0.0	-90.3	192.1	190.6	8.7
1.0	15.0	0.0	1.0	0.0	-145.3	302.1	300.5	6.2
1.0	15.0	0.0	0.0	0.0	-135.6	273.2	273.1	5.0
1.0	15.0	2.0	0.0	0.0	-172.9	357.4	355.9	14.1
1.0	15.0	2.0	0.0	0.0	-143.9	299.4	297.9	5.9
1.0	15.0	0.0	0.0	0.0	-147.6	297.3	297.2	6.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-125.8	263.1	261.6	4.7
0.8	15.0	2.0	0.0	0.0	-187.8	387.1	385.6	20.6
0.8	15.0	1.0	0.0	0.0	-149.8	311.1	309.6	10.4
1.0	15.0	0.0	0.0	0.0	-147.0	296.1	296.0	6.9
0.9	15.0	0.0	2.0	0.0	-139.9	291.2	289.7	5.8
1.0	15.0	2.0	0.0	0.0	-118.7	248.8	247.3	3.8
1.0	15.0	2.0	0.0	0.0	-121.4	254.4	252.8	4.5
1.0	15.0	0.0	0.0	0.0	-120.4	243.0	242.9	3.4
1.0	15.0	0.0	0.0	0.0	-122.2	246.6	246.5	3.7
1.0	15.0	3.0	1.0	0.0	-157.1	325.8	324.2	9.0
1.0	15.0	2.0	0.0	0.0	-113.6	238.7	237.1	4.1
1.0	15.0	0.0	0.0	0.0	-136.3	274.7	274.6	4.5
1.0	15.0	0.0	2.0	0.0	-263.1	537.0	536.3	6.6
1.0	15.0	2.0	0.0	0.0	-296.0	602.8	602.1	8.0
1.0	15.0	2.0	0.0	0.0	-290.5	591.8	591.1	9.8
1.0	15.0	0.0	0.0	0.0	-290.4	582.8	582.8	7.1
1.0	15.0	0.0	0.0	0.0	-116.0	234.1	234.0	3.7
1.0	15.0	2.0	0.0	0.0	-171.0	353.6	352.0	12.1
1.0	15.0	1.0	0.0	0.0	-125.8	263.2	261.7	4.4
1.0	15.0	0.0	0.0	0.0	-143.3	288.8	288.7	6.5
1.0	15.0	6.0	0.0	0.0	-157.4	326.4	324.9	8.6
1.0	15.0	2.0	0.0	0.0	-134.9	281.4	279.9	19.2
1.0	15.0	1.0	2.0	0.0	-134.3	280.2	278.6	5.1
1.0	15.0	0.0	4.0	0.0	-161.4	334.4	332.8	8.2
1.0	15.0	1.0	1.0	0.0	-139.6	290.7	289.2	5.6
1.0	15.0	1.0	0.0	0.0	-113.5	238.4	236.9	8.3
1.0	15.0	1.0	0.0	0.0	-99.3	210.2	208.6	2.8
1.0	15.0	0.0	6.0	0.0	-164.2	340.0	338.5	8.9
1.0	15.0	0.0	2.0	0.0	-120.7	252.9	251.4	4.6
1.0	15.0	2.0	0.0	0.0	-122.3	256.1	254.6	4.3
1.0	15.0	2.0	0.0	0.0	-115.9	243.4	241.9	5.3
1.0	15.0	0.0	1.0	0.0	-160.5	323.0	322.9	12.1
1.0	15.0	0.0	0.0	0.0	-148.2	298.5	298.4	7.5
1.0	15.0	2.0	0.0	0.0	-160.9	333.4	331.9	11.8
1.0	15.0	2.0	0.0	0.0	-145.3	302.2	300.7	7.8
1.0	15.0	0.0	0.0	0.0	-139.8	281.7	281.7	5.4
1.0	15.0	0.0	0.0	0.0	-114.9	231.8	231.7	3.9
1.0	15.0	3.0	0.0	0.0	-173.0	357.6	356.1	16.7
1.0	15.0	3.0	0.0	0.0	-140.6	292.8	291.2	8.8
1.0	15.0	0.0	0.0	0.0	-146.3	294.8	294.7	6.5
1.0	15.0	0.0	3.0	0.0	-130.7	273.0	271.5	4.2
1.0	15.0	3.0	0.0	0.0	-158.3	328.2	326.7	9.5
1.0	15.0	3.0	0.0	0.0	-150.2	311.8	310.3	6.5
1.0	15.0	0.0	0.0	0.0	-171.7	345.5	345.5	9.9
1.0	15.0	0.0	3.0	0.0	-123.2	257.9	256.4	3.7
0.7	15.0	2.0	0.0	0.0	-132.8	285.5	281.5	4.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-129.5	270.6	269.1	4.1
1.0	15.0	0.0	0.0	0.0	-131.5	265.0	264.9	5.0
1.0	15.0	0.0	2.0	0.0	-140.8	293.1	291.5	7.5
0.9	15.0	3.0	0.0	0.0	-161.3	334.1	332.5	11.5
1.0	15.0	2.0	0.0	0.0	-144.1	308.2	304.2	7.4
1.0	15.0	0.0	0.0	0.0	-151.1	304.3	304.2	13.0
1.0	15.0	0.0	1.0	0.0	-135.1	281.7	280.1	4.8
1.0	15.0	3.0	1.0	0.0	-197.7	415.4	411.4	38.3
1.0	15.0	3.0	1.0	0.0	-170.5	361.0	357.0	18.1
1.0	15.0	0.0	1.0	0.0	-172.8	357.1	355.6	11.5
1.0	15.0	0.0	1.0	0.0	-137.2	285.9	284.4	5.1
1.0	15.0	0.0	0.0	0.0	-90.5	183.0	182.9	3.9
0.9	15.0	1.0	0.0	0.0	-102.4	216.3	214.7	8.8
1.0	15.0	0.0	0.0	0.0	-146.1	294.3	294.2	6.7
1.0	15.0	0.0	0.0	0.0	-130.2	262.5	262.5	6.8
1.0	15.0	3.0	1.0	0.0	-174.5	369.0	365.0	31.1
1.0	15.0	2.0	1.0	0.0	-141.4	302.7	298.7	10.8
0.8	15.0	0.0	1.0	0.0	-153.6	318.8	317.2	14.1
1.0	15.0	0.0	1.0	0.0	-123.0	257.5	255.9	3.4
1.0	15.0	0.0	0.0	0.0	-104.5	211.1	211.0	2.3
1.0	15.0	1.0	0.0	0.0	-112.2	236.0	234.4	3.9
1.0	15.0	0.0	1.0	0.0	-160.0	331.6	330.0	8.1
1.0	15.0	0.0	2.0	0.0	-116.4	244.3	242.8	3.1
1.0	15.0	2.0	0.0	0.0	-135.9	283.3	281.7	6.0
0.9	15.0	3.0	0.0	0.0	-137.4	286.3	284.8	5.3
1.0	15.0	0.0	0.0	0.0	-160.7	323.4	323.3	9.6
0.9	15.0	0.0	6.0	0.0	-131.5	274.5	272.9	4.3
1.0	15.0	9.0	0.0	0.0	-156.0	323.5	322.0	8.0
1.0	15.0	9.0	0.0	0.0	-157.8	327.2	325.7	11.2
1.0	15.0	0.0	0.0	0.0	-166.6	335.3	335.3	8.7
1.0	15.0	0.0	1.0	0.0	-118.5	248.5	247.0	3.4
1.0	15.0	2.0	0.0	0.0	-130.2	272.0	270.4	4.8
1.0	15.0	1.0	0.0	0.0	-140.6	292.8	291.3	6.5
1.0	15.0	0.0	1.0	0.0	-175.1	352.2	352.1	12.0
1.0	15.0	0.0	0.0	0.0	-121.7	245.5	245.4	3.5
1.0	15.0	2.0	0.0	0.0	-121.6	254.8	253.3	4.1
1.0	15.0	1.0	0.0	0.0	-105.8	223.1	221.6	2.3
1.0	15.0	0.0	0.0	0.0	-150.5	303.0	302.9	7.7
1.0	15.0	0.0	2.0	0.0	-124.8	261.0	259.5	3.6
1.0	15.0	0.0	0.0	0.0	-69.8	141.8	141.7	1.4
1.0	15.0	2.0	0.0	0.0	-67.7	147.0	145.5	0.6
1.0	15.0	0.0	0.0	0.0	-135.7	273.6	273.5	6.0
1.0	15.0	0.0	3.0	0.0	-123.0	257.4	255.9	3.7
1.0	15.0	2.0	0.0	0.0	-148.1	316.2	312.2	7.1
1.0	15.0	2.0	0.0	0.0	-138.5	297.1	293.1	7.0
1.0	15.0	0.0	1.0	0.0	-151.2	304.5	304.4	10.9



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-126.9	265.4	263.9	6.1
1.0	15.0	1.0	2.0	0.0	-179.7	370.9	369.4	42.3
1.0	15.0	1.0	0.0	0.0	-138.5	297.1	293.1	13.2
1.0	15.0	0.0	1.0	0.0	-147.7	307.0	305.4	11.2
1.0	15.0	2.0	1.0	0.0	-154.5	320.5	319.0	15.8
1.0	15.0	0.0	0.0	0.0	-122.1	246.3	246.2	5.2
1.0	15.0	1.0	1.0	0.0	-123.9	259.3	257.8	7.1
1.0	15.0	0.0	2.0	0.0	-155.2	322.0	320.5	8.2
1.0	15.0	1.0	1.0	0.0	-120.1	251.8	250.2	4.8
1.0	15.0	0.0	0.0	0.0	-70.6	143.3	143.2	3.6
1.0	15.0	1.0	0.0	0.0	-82.8	177.1	175.6	4.3
1.0	15.0	0.0	4.0	0.0	-127.0	265.6	264.1	5.2
1.0	15.0	0.0	1.0	0.0	-122.4	256.4	254.9	3.7
1.0	15.0	0.0	0.0	0.0	-78.1	158.3	158.2	2.2
0.8	15.0	1.0	0.0	0.0	-89.8	191.1	189.6	4.0
1.0	15.0	0.0	1.0	0.0	-167.1	345.7	344.2	9.8
1.0	15.0	0.0	3.0	0.0	-128.5	268.6	267.0	8.9
1.0	15.0	0.0	3.0	0.0	-103.5	218.5	216.9	1.9
1.0	15.0	1.0	0.0	0.0	-114.9	241.4	239.9	25.5
1.0	15.0	0.0	2.0	0.0	-172.8	357.0	355.5	12.6
1.0	15.0	0.0	2.0	0.0	-134.8	281.1	279.6	6.4
1.0	15.0	3.0	0.0	0.0	-148.3	308.1	306.6	7.0
1.0	15.0	3.0	0.0	0.0	-139.0	289.6	288.0	5.7
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	4.4
1.0	15.0	0.0	1.0	0.0	-128.5	268.5	267.0	5.6
1.0	15.0	2.0	1.0	0.0	-181.2	382.5	378.5	23.8
1.0	15.0	1.0	0.0	0.0	-134.7	289.3	285.3	8.9
1.0	15.0	0.0	1.0	0.0	-157.9	327.3	325.7	8.9
1.0	15.0	0.0	1.0	0.0	-127.5	266.5	265.0	5.4
1.0	15.0	0.0	0.0	0.0	-92.0	186.2	186.1	2.5
1.0	15.0	1.0	0.0	0.0	-108.7	228.9	227.4	9.1
1.0	15.0	0.0	1.0	0.0	-136.9	285.4	283.7	7.0
1.0	15.0	0.0	2.0	0.0	-124.6	260.7	259.2	4.1
1.0	15.0	0.0	0.0	0.0	-113.3	228.6	228.5	3.8
1.0	15.0	1.0	0.0	0.0	-107.0	225.5	223.9	2.8
1.0	15.0	0.0	2.0	0.0	-172.8	357.1	355.5	10.7
1.0	15.0	1.0	2.0	0.0	-142.8	297.2	295.6	6.1
1.0	15.0	2.0	0.0	0.0	-139.8	291.1	289.5	7.1
1.0	15.0	2.0	0.0	0.0	-130.3	272.2	270.7	4.2
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	8.2
1.0	15.0	0.0	3.0	0.0	-125.5	262.5	261.0	4.1
1.0	15.0	0.0	2.0	0.0	-106.5	224.6	223.0	2.1
1.0	15.0	2.0	0.0	0.0	-134.4	280.3	278.7	32.1
1.0	15.0	0.0	2.0	0.0	-164.2	339.9	338.3	9.3
1.0	15.0	0.0	0.0	0.0	-125.7	253.5	253.4	4.6
1.0	15.0	2.0	0.0	0.0	-126.8	265.1	263.6	4.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-118.6	248.7	247.2	4.7
1.0	15.0	0.0	0.0	0.0	-144.1	290.4	290.3	5.9
1.0	15.0	0.0	0.0	0.0	-123.2	248.5	248.4	4.2
1.0	15.0	2.0	0.0	0.0	-118.8	249.1	247.5	6.0
1.0	15.0	2.0	0.0	0.0	-115.7	242.9	241.4	7.3
1.0	15.0	0.0	0.0	0.0	-162.1	326.2	326.1	8.1
1.0	15.0	0.0	2.0	0.0	-122.4	256.4	254.8	4.1
1.0	15.0	1.0	0.0	0.0	-145.6	302.8	301.2	7.5
1.0	15.0	1.0	0.0	0.0	-114.9	241.3	239.8	3.5
1.0	15.0	0.0	0.0	0.0	-130.1	262.2	262.1	4.0
1.0	15.0	0.0	1.0	0.0	-119.4	250.4	248.9	4.3
1.0	15.0	0.0	0.0	0.0	-51.8	105.7	105.6	0.4
1.0	15.0	1.0	0.0	0.0	-78.0	167.5	165.9	4.0
1.0	15.0	0.0	2.0	0.0	-115.5	242.6	241.0	6.2
1.0	15.0	0.0	1.0	0.0	-135.5	282.5	281.0	10.1
1.0	15.0	0.0	0.0	0.0	-85.2	172.6	172.5	3.6
1.0	15.0	1.0	0.0	0.0	-105.2	221.9	220.4	12.4
1.0	15.0	0.0	1.0	0.0	-168.0	347.6	346.1	12.0
1.0	15.0	0.0	2.0	0.0	-107.5	226.6	225.0	2.5
1.0	15.0	3.0	0.0	0.0	-159.5	330.6	329.0	16.0
1.0	15.0	3.0	0.0	0.0	-116.9	245.4	243.8	5.4
1.0	15.0	0.0	0.0	0.0	-161.5	325.1	325.1	8.1
1.0	15.0	0.0	3.0	0.0	-137.3	286.1	284.6	7.9
1.0	15.0	0.0	3.0	0.0	-147.6	306.7	305.1	7.9
0.9	15.0	2.0	0.0	0.0	-144.3	300.2	298.7	8.7
1.0	15.0	0.0	3.0	0.0	-150.2	311.9	310.3	8.2
1.0	15.0	0.0	3.0	0.0	-128.9	269.4	267.9	10.4
1.0	15.0	0.0	0.0	0.0	-60.2	122.4	122.3	0.8
0.7	15.0	3.0	0.0	0.0	-107.6	235.3	231.3	15.5
1.0	15.0	0.0	3.0	0.0	-155.2	321.9	320.3	13.4
1.0	15.0	0.0	2.0	0.0	-117.2	254.5	250.5	3.5
1.0	15.0	1.0	1.0	0.0	-141.6	303.3	299.3	8.1
1.0	15.0	1.0	0.0	0.0	-133.1	286.1	282.1	6.9
1.0	15.0	0.0	0.0	0.0	-135.1	272.3	272.2	5.4
1.0	15.0	0.0	3.0	0.0	-130.9	273.4	271.8	4.1
1.0	15.0	5.0	0.0	0.0	-167.0	345.6	344.1	10.8
0.9	15.0	5.0	0.0	0.0	-153.9	319.3	317.7	8.3
1.0	15.0	0.0	0.0	0.0	-146.5	295.0	294.9	6.5
0.5	15.0	0.0	2.0	0.0	-139.4	290.4	288.9	4.8
1.0	15.0	1.0	0.0	0.0	-110.2	231.9	230.3	4.3
1.0	15.0	1.0	0.0	0.0	-98.9	209.3	207.8	8.0
1.0	15.0	0.0	1.0	0.0	-164.9	332.0	331.9	9.9
0.7	15.0	0.0	3.0	0.0	-123.1	266.2	262.2	4.0
1.0	15.0	2.0	1.0	0.0	-151.2	322.4	318.4	7.9
1.0	15.0	2.0	0.0	0.0	-144.8	309.7	305.7	8.7
1.0	15.0	1.0	0.0	0.0	-139.5	281.0	280.9	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-126.9	265.4	263.9	5.4
1.0	15.0	4.0	0.0	0.0	-191.5	394.6	393.1	22.4
1.0	15.0	4.0	0.0	0.0	-158.1	327.7	326.1	15.5
1.0	15.0	0.0	0.0	0.0	-162.2	326.5	326.5	8.7
1.0	15.0	4.0	1.0	0.0	-131.6	283.2	279.2	4.6
1.0	15.0	1.0	0.0	0.0	-122.0	255.5	253.9	6.0
1.0	15.0	1.0	0.0	0.0	-106.5	224.5	223.0	2.9
1.0	15.0	0.0	1.0	0.0	-178.0	358.1	358.0	14.0
1.0	15.0	0.0	2.0	0.0	-114.1	239.8	238.2	2.9
1.0	15.0	4.0	0.0	0.0	-141.2	294.0	292.4	7.5
1.0	15.0	2.0	0.0	0.0	-123.7	259.0	257.4	4.2
1.0	15.0	0.0	0.0	0.0	-159.6	321.2	321.1	8.0
1.0	15.0	0.0	0.0	0.0	-268.4	538.8	538.8	4.8
1.0	15.0	2.0	0.0	0.0	-304.7	620.2	619.5	10.7
1.0	15.0	2.0	0.0	0.0	-254.2	519.2	518.4	4.7
1.0	15.0	0.0	0.0	0.0	-277.6	557.3	557.2	5.1
1.0	15.0	0.0	0.0	0.0	-129.8	261.7	261.6	4.9
1.0	15.0	2.0	0.0	0.0	-146.6	304.8	303.3	6.3
1.0	15.0	2.0	0.0	0.0	-132.8	277.1	275.6	4.9
1.0	15.0	0.0	1.0	0.0	-179.8	361.7	361.6	13.9
1.0	15.0	0.0	0.0	0.0	-131.8	265.7	265.6	4.4
1.0	15.0	2.0	0.0	0.0	-159.5	330.5	329.0	9.2
1.0	15.0	2.0	0.0	0.0	-151.2	313.9	312.4	8.1
1.0	15.0	0.0	0.0	0.0	-174.8	351.6	351.5	11.5
1.0	15.0	0.0	0.0	0.0	-152.1	306.2	306.1	7.7
0.5	15.0	5.0	0.0	0.0	-174.3	368.6	364.6	19.5
1.0	15.0	3.0	0.0	0.0	-154.1	328.3	324.3	8.7
1.0	15.0	0.0	2.0	0.0	-178.7	369.0	367.4	13.2
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	6.9
0.7	15.0	1.0	1.0	0.0	-156.5	333.0	329.0	20.6
1.0	15.0	1.0	1.0	0.0	-131.1	273.8	272.3	11.8
1.0	15.0	0.0	1.0	0.0	-150.1	311.8	310.3	8.4
1.0	15.0	0.0	2.0	0.0	-149.0	309.6	308.0	7.5
0.6	15.0	2.0	0.0	0.0	-102.8	225.7	221.7	5.3
1.0	15.0	2.0	0.0	0.0	-111.2	233.9	232.3	5.9
1.0	15.0	0.0	1.0	0.0	-162.6	327.3	327.2	10.3
1.0	15.0	0.0	1.0	0.0	-119.4	250.3	248.7	3.5
1.0	15.0	0.0	0.0	0.0	-90.7	183.6	183.5	2.2
1.0	15.0	1.0	0.0	0.0	-83.3	178.0	176.5	1.5
1.0	15.0	0.0	1.0	0.0	-137.9	287.3	285.7	4.7
1.0	15.0	0.0	1.0	0.0	-119.9	251.3	249.8	3.6
1.0	15.0	0.0	0.0	0.0	-107.9	218.0	217.9	4.5
0.7	15.0	1.0	0.0	0.0	-104.8	221.1	219.5	18.5
1.0	15.0	0.0	1.0	0.0	-154.0	319.6	318.1	6.7
0.5	15.0	2.0	0.0	0.0	-165.3	350.5	346.5	10.9
0.7	15.0	3.0	9.0	0.0	-206.1	432.2	428.2	38.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	2.0	3.0	0.0	-186.1	392.2	388.2	16.3
1.0	15.0	0.0	0.0	0.0	-158.0	318.1	318.0	15.9
0.9	15.0	2.0	0.0	0.0	-156.2	323.9	322.3	7.0
1.0	15.0	2.0	9.0	0.0	-184.2	388.3	384.3	15.0
1.0	15.0	1.0	5.0	0.0	-166.3	352.6	348.6	11.0
1.0	15.0	0.0	0.0	0.0	-157.0	316.1	316.0	8.5
1.0	15.0	0.0	1.0	0.0	-173.3	358.2	356.6	10.2
0.8	15.0	2.0	7.0	0.0	-204.8	429.6	425.6	35.2
0.8	15.0	1.0	9.0	0.0	-181.2	382.4	378.4	12.9
1.0	15.0	0.0	1.0	0.0	-144.2	299.9	298.3	8.6
1.0	15.0	0.0	1.0	0.0	-131.1	273.8	272.2	6.4
1.0	15.0	0.0	0.0	0.0	-85.1	172.3	172.2	76.7
1.0	15.0	1.0	0.0	0.0	-115.1	241.7	240.2	46.3
1.0	15.0	0.0	1.0	0.0	-164.7	340.9	339.4	9.9
1.0	15.0	0.0	1.0	0.0	-136.1	283.8	282.3	5.6
0.7	15.0	2.0	1.0	0.0	-132.7	277.0	275.4	4.5
1.0	15.0	1.0	0.0	0.0	-118.0	247.6	246.1	9.1
1.0	15.0	0.0	1.0	0.0	-177.1	365.8	364.3	11.5
0.9	15.0	0.0	3.0	0.0	-149.0	309.5	308.0	6.2
1.0	15.0	1.0	0.0	0.0	-137.1	285.8	284.2	5.6
1.0	15.0	1.0	0.0	0.0	-139.2	290.0	288.5	5.3
1.0	15.0	0.0	0.0	0.0	-143.5	289.2	289.1	6.5
0.8	15.0	3.0	1.0	0.0	-166.2	344.0	342.5	9.2
1.0	15.0	2.0	2.0	0.0	-180.3	380.5	376.5	13.6
1.0	15.0	1.0	4.0	0.0	-182.5	385.0	381.0	15.7
1.0	15.0	0.0	1.0	0.0	-165.3	342.2	340.7	9.1
1.0	15.0	0.0	0.0	0.0	-130.6	263.3	263.2	5.4
1.0	15.0	2.0	2.0	0.0	-164.4	349.0	344.9	12.9
1.0	15.0	4.0	1.0	0.0	-137.2	294.5	290.4	5.8
1.0	15.0	0.0	1.0	0.0	-160.6	332.7	331.1	8.8
1.0	15.0	0.0	2.0	0.0	-122.9	257.4	255.8	6.4
1.0	15.0	0.0	0.0	0.0	-88.8	179.6	179.6	2.7
1.0	15.0	2.0	0.0	0.0	-109.5	230.5	229.0	4.4
1.0	15.0	0.0	2.0	0.0	-153.7	318.8	317.3	9.7
1.0	15.0	0.0	3.0	0.0	-134.5	280.6	279.0	7.1
1.0	15.0	0.0	0.0	0.0	-78.3	158.6	158.5	1.8
1.0	15.0	2.0	0.0	0.0	-108.2	227.9	226.4	12.3
1.0	15.0	0.0	4.0	0.0	-130.1	271.8	270.2	16.0
1.0	15.0	0.0	2.0	0.0	-139.5	290.6	289.1	5.1
1.0	15.0	0.0	0.0	0.0	-112.3	226.6	226.5	3.8
1.0	15.0	2.0	0.0	0.0	-114.9	241.3	239.7	10.7
1.0	15.0	0.0	3.0	0.0	-178.5	368.5	367.0	11.9
1.0	15.0	0.0	3.0	0.0	-128.1	267.7	266.2	5.1
1.0	15.0	0.0	1.0	0.0	-108.5	228.6	227.1	2.4
1.0	15.0	2.0	0.0	0.0	-130.8	273.2	271.7	14.0
1.0	15.0	0.0	2.0	0.0	-159.1	329.7	328.2	9.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-124.3	260.2	258.7	3.9
1.0	15.0	3.0	0.0	0.0	-141.1	293.7	292.2	6.6
1.0	15.0	3.0	0.0	0.0	-138.9	289.4	287.8	6.5
1.0	15.0	0.0	0.0	0.0	-149.5	301.0	300.9	6.8
1.0	15.0	0.0	2.0	0.0	-141.5	294.5	292.9	12.4
1.0	15.0	0.0	0.0	0.0	-80.8	163.7	163.6	1.5
1.0	15.0	2.0	0.0	0.0	-123.6	258.8	257.3	32.0
1.0	15.0	0.0	3.0	0.0	-183.1	377.7	376.2	15.6
1.0	15.0	0.0	1.0	0.0	-109.7	231.0	229.4	2.5
1.0	15.0	1.0	0.0	0.0	-133.9	279.2	277.7	5.7
1.0	15.0	1.0	0.0	0.0	-124.6	260.7	259.1	8.9
1.0	15.0	0.0	0.0	0.0	-128.8	259.7	259.6	4.8
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.1	4.3
0.7	15.0	3.0	0.0	0.0	-167.6	355.1	351.1	11.1
0.9	15.0	2.0	0.0	0.0	-135.8	291.5	287.5	6.3
1.0	15.0	0.0	1.0	0.0	-150.6	312.8	311.3	7.0
1.0	15.0	0.0	0.0	0.0	-140.0	282.0	281.9	5.1
1.0	15.0	5.0	0.0	0.0	-158.0	336.0	332.0	7.9
0.8	15.0	4.0	0.0	0.0	-128.8	277.7	273.7	4.3
1.0	15.0	0.0	0.0	0.0	-134.1	270.2	270.1	5.8
1.0	15.0	0.0	2.0	0.0	-107.9	227.3	225.8	2.1
1.0	15.0	0.0	0.0	0.0	-104.9	212.0	211.9	2.3
1.0	15.0	3.0	0.0	0.0	-102.3	216.2	214.6	1.7
1.0	15.0	0.0	0.0	0.0	-145.6	293.3	293.2	7.0
1.0	15.0	0.0	2.0	0.0	-120.9	253.4	251.8	4.1
1.0	15.0	2.0	0.0	0.0	-152.0	323.9	319.9	9.5
1.0	15.0	2.0	0.0	0.0	-124.2	268.4	264.4	5.2
1.0	15.0	0.0	0.0	0.0	-144.5	291.1	291.0	6.6
1.0	15.0	0.0	2.0	0.0	-105.4	222.4	220.8	2.2
1.0	15.0	4.0	0.0	0.0	-107.5	226.5	225.0	2.2
1.0	15.0	3.0	0.0	0.0	-112.0	235.6	234.0	4.4
1.0	15.0	0.0	0.0	0.0	-174.7	351.5	351.4	10.8
1.0	15.0	0.0	0.0	0.0	-125.9	253.9	253.8	3.7
1.0	15.0	2.0	0.0	0.0	-120.5	252.6	251.1	4.2
1.0	15.0	2.0	0.0	0.0	-122.5	256.6	255.1	4.4
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	6.1
1.0	15.0	0.0	0.0	0.0	-118.3	238.7	238.6	4.6
1.0	15.0	1.0	0.0	0.0	-133.8	279.2	277.6	5.5
1.0	15.0	1.0	0.0	0.0	-126.8	265.2	263.7	5.4
1.0	15.0	0.0	0.0	0.0	-131.5	265.2	265.1	4.5
1.0	15.0	0.0	0.0	0.0	-109.7	221.4	221.3	3.0
1.0	15.0	1.0	0.0	0.0	-143.9	299.4	297.9	6.4
1.0	15.0	1.0	0.0	0.0	-104.4	220.3	218.8	2.2
1.0	15.0	0.0	0.0	0.0	-147.0	296.0	295.9	5.7
1.0	15.0	0.0	2.0	0.0	-116.6	244.7	243.2	3.1
1.0	15.0	3.0	0.0	0.0	-133.3	278.2	276.6	15.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-125.4	262.4	260.9	14.4
1.0	15.0	0.0	0.0	0.0	-177.4	357.0	356.9	11.5
1.0	15.0	0.0	2.0	0.0	-121.9	255.4	253.8	4.0
1.0	15.0	2.0	0.0	0.0	-165.0	341.7	340.1	10.1
1.0	15.0	2.0	0.0	0.0	-113.4	238.3	236.7	3.0
1.0	15.0	0.0	0.0	0.0	-164.9	331.9	331.8	8.5
1.0	15.0	0.0	1.0	0.0	-121.0	253.6	252.0	4.1
0.9	15.0	0.0	2.0	0.0	-135.6	282.7	281.2	5.1
1.0	15.0	1.0	0.0	0.0	-139.8	291.0	289.5	6.8
1.0	15.0	0.0	1.0	0.0	-140.3	292.2	290.6	5.8
1.0	15.0	0.0	3.0	0.0	-126.4	264.4	262.9	4.5
1.0	15.0	3.0	1.0	0.0	-162.5	345.0	341.0	14.1
1.0	15.0	3.0	0.0	0.0	-117.9	255.8	251.8	6.0
1.0	15.0	0.0	1.0	0.0	-164.4	340.3	338.8	9.5
1.0	15.0	0.0	1.0	0.0	-106.1	223.8	222.3	2.7
1.0	15.0	0.0	0.0	0.0	-69.6	141.3	141.2	1.2
0.6	15.0	1.0	0.0	0.0	-80.4	172.4	170.8	4.8
1.0	15.0	0.0	1.0	0.0	-173.0	357.6	356.0	10.4
1.0	15.0	0.0	1.0	0.0	-133.3	278.1	276.5	4.6
1.0	15.0	0.0	0.0	0.0	-119.0	240.1	240.0	4.7
1.0	15.0	1.0	0.0	0.0	-125.4	262.3	260.8	8.2
1.0	15.0	0.0	2.0	0.0	-159.4	330.4	328.8	9.1
1.0	15.0	0.0	4.0	0.0	-133.9	279.4	277.9	5.6
1.0	15.0	0.0	0.0	0.0	-124.8	251.7	251.6	5.0
1.0	15.0	4.0	0.0	0.0	-125.9	263.3	261.8	5.8
1.0	15.0	0.0	4.0	0.0	-159.3	330.2	328.7	7.8
1.0	15.0	0.0	3.0	0.0	-125.4	262.4	260.9	5.5
1.0	15.0	0.0	0.0	0.0	-69.5	141.1	141.0	1.1
1.0	15.0	2.0	0.0	0.0	-89.2	190.0	188.4	5.7
1.0	15.0	0.0	3.0	0.0	-131.8	275.1	273.6	5.4
1.0	15.0	0.0	4.0	0.0	-130.3	280.7	276.7	6.1
0.8	15.0	6.0	0.0	0.0	-187.3	386.1	384.6	36.0
1.0	15.0	6.0	0.0	0.0	-172.4	364.9	360.9	23.9
1.0	15.0	0.0	0.0	0.0	-154.5	311.0	310.9	9.0
1.0	15.0	0.0	1.0	0.0	-128.5	259.1	259.0	4.4
1.0	15.0	1.0	0.0	0.0	-105.3	222.2	220.7	2.9
1.0	15.0	1.0	0.0	0.0	-99.2	210.0	208.5	1.8
1.0	15.0	0.0	1.0	0.0	-161.0	324.2	324.1	13.0
1.0	15.0	0.0	2.0	0.0	-127.4	266.3	264.7	4.4
1.0	15.0	2.0	0.0	0.0	-130.1	280.3	276.3	8.2
1.0	15.0	1.0	0.0	0.0	-121.6	263.3	259.3	6.2
1.0	15.0	0.0	2.0	0.0	-145.9	303.3	301.7	5.8
1.0	15.0	0.0	2.0	0.0	-140.6	292.7	291.2	6.6
1.0	15.0	0.0	2.0	0.0	-146.1	303.7	302.2	6.4
1.0	15.0	1.0	0.0	0.0	-147.1	305.7	304.2	7.0
1.0	15.0	0.0	2.0	0.0	-132.7	277.0	275.5	5.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-174.5	360.6	359.1	12.5
1.0	15.0	0.0	1.0	0.0	-139.5	281.0	281.0	6.0
0.9	15.0	1.0	0.0	0.0	-138.5	288.5	286.9	17.3
1.0	15.0	0.0	1.0	0.0	-177.2	366.0	364.5	11.2
1.0	15.0	0.0	2.0	0.0	-115.8	243.1	241.6	3.8
1.0	15.0	0.0	0.0	0.0	-61.6	125.3	125.2	0.9
1.0	15.0	1.0	0.0	0.0	-89.6	190.8	189.2	7.3
1.0	15.0	1.0	1.0	0.0	-151.9	315.4	313.9	9.1
1.0	15.0	0.0	1.0	0.0	-124.2	260.1	258.4	4.4
1.0	15.0	0.0	0.0	0.0	-72.9	148.0	147.9	1.3
1.0	15.0	1.0	0.0	0.0	-94.6	200.7	199.2	2.8
1.0	15.0	0.0	1.0	0.0	-151.4	314.4	312.9	8.0
1.0	15.0	0.0	1.0	0.0	-142.4	296.4	294.9	6.4
1.0	15.0	0.0	0.0	0.0	-71.6	145.3	145.2	1.4
1.0	15.0	1.0	0.0	0.0	-76.2	163.9	162.3	2.5
1.0	15.0	0.0	1.0	0.0	-158.2	328.0	326.4	11.5
1.0	15.0	0.0	2.0	0.0	-115.1	241.8	240.3	3.9
0.5	15.0	2.0	1.0	0.0	-160.7	341.3	337.3	8.6
1.0	15.0	2.0	0.0	0.0	-153.8	319.1	317.5	6.9
1.0	15.0	0.0	2.0	0.0	-144.6	300.8	299.3	7.7
1.0	15.0	0.0	1.0	0.0	-137.1	285.8	284.3	6.8
1.0	15.0	0.0	2.0	0.0	-113.3	238.2	236.7	4.0
1.0	15.0	1.0	0.0	0.0	-128.0	267.5	265.9	9.8
1.0	15.0	0.0	2.0	0.0	-158.4	328.3	326.8	7.7
1.0	15.0	0.0	2.0	0.0	-127.3	266.2	264.7	5.2
1.0	15.0	0.0	0.0	0.0	-65.7	133.5	133.4	1.0
1.0	15.0	1.0	0.0	0.0	-80.7	172.9	171.4	5.3
1.0	15.0	2.0	1.0	0.0	-148.5	308.5	307.0	8.5
1.0	15.0	0.0	1.0	0.0	-147.6	306.7	305.2	6.1
1.0	15.0	0.0	0.0	0.0	-132.8	267.8	267.7	4.9
1.0	15.0	1.0	0.0	0.0	-101.4	214.3	212.8	4.5
1.0	15.0	0.0	1.0	0.0	-179.9	371.3	369.7	12.1
1.0	15.0	0.0	0.0	0.0	-103.3	208.7	208.6	2.4
1.0	15.0	2.0	0.0	0.0	-114.7	240.8	239.3	4.4
1.0	15.0	2.0	0.0	0.0	-111.5	234.6	233.0	3.7
1.0	15.0	0.0	2.0	0.0	-150.8	313.2	311.6	7.2
1.0	15.0	0.0	2.0	0.0	-127.9	267.4	265.9	5.1
1.0	15.0	4.0	0.0	0.0	-155.8	331.6	327.6	38.2
1.0	15.0	3.0	0.0	0.0	-174.4	368.9	364.9	71.4
1.0	15.0	0.0	0.0	0.0	-159.2	320.5	320.4	8.3
0.6	15.0	2.0	0.0	0.0	-151.5	323.0	319.0	6.8
1.0	15.0	2.0	0.0	0.0	-164.9	341.4	339.9	10.7
1.0	15.0	1.0	0.0	0.0	-131.1	273.8	272.3	4.9
1.0	15.0	0.0	0.0	0.0	-157.4	316.9	316.8	9.5
1.0	15.0	0.0	2.0	0.0	-104.1	219.7	218.1	1.8
1.0	15.0	0.0	0.0	0.0	-74.9	152.0	151.9	1.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-70.6	152.8	151.2	0.9
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.6	6.3
1.0	15.0	0.0	1.0	0.0	-125.9	263.3	261.8	5.2
0.8	15.0	1.0	1.0	0.0	-144.8	309.7	305.7	9.0
0.6	15.0	1.0	0.0	0.0	-127.6	275.3	271.3	8.1
1.0	15.0	0.0	1.0	0.0	-131.6	274.8	273.3	4.7
1.0	15.0	0.0	1.0	0.0	-115.6	242.8	241.3	6.1
0.6	15.0	1.0	1.0	0.0	-126.5	264.5	263.0	6.4
1.0	15.0	2.0	0.0	0.0	-104.8	221.1	219.5	2.1
1.0	15.0	0.0	1.0	0.0	-134.6	280.8	279.3	5.3
1.0	15.0	0.0	1.0	0.0	-124.7	260.9	259.4	3.8
1.0	15.0	0.0	0.0	0.0	-64.6	131.3	131.2	0.8
0.6	15.0	1.0	0.0	0.0	-81.2	174.0	172.4	7.9
1.0	15.0	0.0	1.0	0.0	-120.7	253.0	251.4	3.4
1.0	15.0	0.0	1.0	0.0	-121.1	253.7	252.2	3.7
1.0	15.0	0.0	0.0	0.0	-98.1	198.4	198.3	20.9
0.8	15.0	1.0	0.0	0.0	-93.9	199.4	197.8	13.0
1.0	15.0	0.0	1.0	0.0	-152.7	316.9	315.3	7.5
1.0	15.0	0.0	1.0	0.0	-121.2	254.0	252.5	3.6
1.0	15.0	0.0	0.0	0.0	-102.7	207.5	207.4	3.4
1.0	15.0	1.0	0.0	0.0	-86.7	184.9	183.3	1.5
1.0	15.0	0.0	1.0	0.0	-157.8	327.2	325.7	8.0
1.0	15.0	0.0	6.0	0.0	-120.3	252.2	250.6	3.4
1.0	15.0	6.0	0.0	0.0	-121.6	254.7	253.2	4.2
1.0	15.0	6.0	0.0	0.0	-128.5	268.6	267.1	4.8
1.0	15.0	0.0	0.0	0.0	-155.4	313.0	312.9	7.4
1.0	15.0	0.0	2.0	0.0	-118.8	249.2	247.7	3.2
1.0	15.0	2.0	0.0	0.0	-125.9	263.4	261.9	4.3
1.0	15.0	2.0	0.0	0.0	-119.6	250.8	249.2	4.1
1.0	15.0	0.0	0.0	0.0	-140.2	282.5	282.4	5.7
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	4.3
1.0	15.0	2.0	0.0	0.0	-163.0	337.5	335.9	9.4
1.0	15.0	0.0	0.0	0.0	-136.2	274.4	274.3	7.4
1.0	15.0	0.0	0.0	0.0	-139.3	280.7	280.6	6.1
1.0	15.0	0.0	0.0	0.0	-119.9	241.9	241.8	3.6
1.0	15.0	2.0	0.0	0.0	-143.3	298.0	296.5	6.8
0.9	15.0	2.0	0.0	0.0	-111.7	243.4	239.4	4.3
1.0	15.0	0.0	0.0	0.0	-129.0	260.1	260.0	4.4
1.0	15.0	0.0	0.0	0.0	-135.5	273.0	272.9	5.6
1.0	15.0	5.0	0.0	0.0	-137.5	295.0	291.0	6.4
1.0	15.0	4.0	0.0	0.0	-131.0	282.1	278.1	5.4
1.0	15.0	0.0	0.0	0.0	-156.4	314.9	314.8	7.7
1.0	15.0	0.0	2.0	0.0	-139.6	281.4	281.3	6.5
1.0	15.0	4.0	1.0	0.0	-213.1	437.8	436.3	33.3
0.9	15.0	4.0	0.0	0.0	-183.6	378.8	377.2	17.2
1.0	15.0	0.0	0.0	0.0	-172.1	346.2	346.1	10.6



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-132.7	267.5	267.4	5.1
1.0	15.0	3.0	0.0	0.0	-123.8	267.6	263.6	6.5
1.0	15.0	3.0	0.0	0.0	-116.3	252.7	248.7	4.2
1.0	15.0	0.0	0.0	0.0	-168.9	339.9	339.9	9.1
1.0	15.0	0.0	0.0	0.0	-137.3	276.8	276.7	5.8
0.8	15.0	2.0	0.0	0.0	-160.0	331.6	330.0	10.4
0.5	15.0	3.0	0.0	0.0	-139.7	299.4	295.4	6.8
1.0	15.0	4.0	0.0	0.0	-161.9	335.4	333.8	9.6
1.0	15.0	0.0	0.0	0.0	-149.9	301.9	301.8	5.9
1.0	15.0	3.0	0.0	0.0	-123.2	266.5	262.5	5.2
1.0	15.0	3.0	0.0	0.0	-106.4	232.9	228.9	2.4
1.0	15.0	1.0	0.0	0.0	-170.6	343.2	343.1	10.9
1.0	15.0	0.0	0.0	0.0	-146.1	294.4	294.3	7.1
0.6	15.0	3.0	0.0	0.0	-147.3	314.6	310.6	8.4
1.0	15.0	3.0	0.0	0.0	-144.2	299.9	298.4	6.5
1.0	15.0	0.0	0.0	0.0	-145.6	293.4	293.3	6.7
1.0	15.0	0.0	0.0	0.0	-129.4	260.8	260.7	4.5
0.8	15.0	1.0	0.0	0.0	-179.3	370.2	368.6	15.8
1.0	15.0	1.0	0.0	0.0	-134.9	281.3	279.8	5.4
1.0	15.0	0.0	0.0	0.0	-161.2	324.5	324.4	8.7
1.0	15.0	0.0	0.0	0.0	-124.3	250.7	250.6	3.8
1.0	15.0	1.0	0.0	0.0	-150.2	311.8	310.3	7.0
0.9	15.0	1.0	0.0	0.0	-112.7	236.9	235.3	3.4
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.2	5.8
1.0	15.0	0.0	0.0	0.0	-129.5	261.0	260.9	4.0
1.0	15.0	2.0	0.0	0.0	-154.6	320.7	319.2	11.7
1.0	15.0	1.0	0.0	0.0	-124.8	261.1	259.5	8.3
1.0	15.0	0.0	0.0	0.0	-157.2	316.4	316.3	8.5
1.0	15.0	0.0	1.0	0.0	-127.0	265.5	264.0	5.9
1.0	15.0	0.0	0.0	0.0	-102.7	207.5	207.4	3.4
1.0	15.0	1.0	0.0	0.0	-108.0	227.5	225.9	10.5
1.0	15.0	0.0	1.0	0.0	-149.2	310.0	308.5	6.2
1.0	15.0	0.0	4.0	0.0	-147.1	305.7	304.2	6.7
1.0	15.0	3.0	4.0	0.0	-156.3	332.6	328.6	16.1
1.0	15.0	3.0	3.0	0.0	-155.6	331.2	327.2	15.1
1.0	15.0	0.0	4.0	0.0	-154.0	319.6	318.1	20.8
1.0	15.0	0.0	5.0	0.0	-140.4	292.4	290.8	5.8
1.0	15.0	6.0	1.0	0.0	-201.5	423.1	419.0	28.8
1.0	15.0	6.0	1.0	0.0	-159.2	338.6	334.5	16.2
1.0	15.0	0.0	1.0	0.0	-160.2	332.0	330.5	12.0
0.7	15.0	1.0	2.0	0.0	-132.4	276.2	274.7	6.1
1.0	15.0	2.0	0.0	0.0	-131.5	282.9	278.9	6.6
1.0	15.0	0.0	0.0	0.0	-133.9	269.9	269.8	8.1
1.0	15.0	0.0	2.0	0.0	-168.0	347.6	346.0	20.3
1.0	15.0	0.0	3.0	0.0	-110.1	231.8	230.2	9.6
1.0	15.0	0.0	0.0	0.0	-76.1	154.2	154.1	1.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-99.1	209.6	208.1	9.8
1.0	15.0	2.0	3.0	0.0	-115.0	250.1	246.1	20.7
1.0	15.0	0.0	2.0	0.0	-123.2	257.9	256.3	4.0
1.0	15.0	0.0	0.0	0.0	-91.7	185.5	185.4	2.2
1.0	15.0	3.0	0.0	0.0	-103.4	218.4	216.8	2.8
1.0	15.0	0.0	2.0	0.0	-157.5	326.6	325.1	8.4
1.0	15.0	0.0	2.0	0.0	-141.3	294.1	292.6	10.1
1.0	15.0	0.0	2.0	0.0	-115.7	242.9	241.4	4.2
1.0	15.0	2.0	0.0	0.0	-114.7	240.9	239.4	5.2
1.0	15.0	0.0	2.0	0.0	-161.4	334.3	332.8	16.7
1.0	15.0	0.0	0.0	0.0	-126.1	254.2	254.1	4.4
1.0	15.0	2.0	0.0	0.0	-136.2	283.9	282.3	4.9
1.0	15.0	2.0	0.0	0.0	-121.6	254.8	253.2	3.7
1.0	15.0	0.0	0.0	0.0	-139.7	281.6	281.5	6.1
1.0	15.0	0.0	3.0	0.0	-109.4	230.4	228.9	2.5
1.0	15.0	5.0	0.0	0.0	-129.7	271.0	269.5	5.1
1.0	15.0	5.0	0.0	0.0	-135.9	283.4	281.9	6.3
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	6.9
1.0	15.0	0.0	2.0	0.0	-117.7	247.0	245.5	3.1
1.0	15.0	3.0	0.0	0.0	-143.3	298.2	296.7	6.2
1.0	15.0	3.0	0.0	0.0	-115.2	241.9	240.4	2.9
1.0	15.0	0.0	0.0	0.0	-164.7	331.6	331.5	8.8
1.0	15.0	0.0	0.0	0.0	-157.4	316.9	316.8	8.8
1.0	15.0	1.0	0.0	0.0	-181.6	374.7	373.2	30.0
1.0	15.0	2.0	0.0	0.0	-143.9	299.4	297.8	21.8
1.0	15.0	0.0	0.0	0.0	-151.3	304.6	304.5	6.7
1.0	15.0	0.0	2.0	0.0	-135.1	281.7	280.1	4.6
1.0	15.0	0.0	0.0	0.0	-125.2	252.4	252.3	5.6
1.0	15.0	2.0	0.0	0.0	-122.8	257.1	255.5	6.7
1.0	15.0	0.0	0.0	0.0	-168.6	339.2	339.2	10.0
1.0	15.0	4.0	1.0	0.0	-162.2	344.4	340.4	9.1
0.6	15.0	1.0	7.0	0.0	-209.4	438.8	434.8	31.3
0.9	15.0	2.0	7.0	0.0	-185.2	390.4	386.4	17.3
1.0	15.0	0.0	3.0	0.0	-163.9	339.3	337.8	9.8
1.0	15.0	0.0	7.0	0.0	-125.5	262.6	261.1	4.2
1.0	15.0	3.0	4.0	0.0	-134.0	288.0	284.0	5.8
1.0	15.0	2.0	0.0	0.0	-126.5	272.9	268.9	4.2
1.0	15.0	0.0	1.0	0.0	-161.6	325.4	325.3	9.3
1.0	15.0	0.0	0.0	0.0	-112.7	227.5	227.4	3.6
1.0	15.0	2.0	0.0	0.0	-121.9	255.3	253.7	3.8
1.0	15.0	2.0	0.0	0.0	-114.8	241.1	239.6	3.3
1.0	15.0	0.0	0.0	0.0	-125.9	253.8	253.7	3.8
1.0	15.0	0.0	0.0	0.0	-132.1	266.4	266.3	4.6
1.0	15.0	7.0	0.0	0.0	-151.9	315.4	313.8	9.7
1.0	15.0	7.0	0.0	0.0	-146.3	304.1	302.6	7.7
1.0	15.0	0.0	0.0	0.0	-150.6	303.4	303.3	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-136.3	284.0	282.5	4.7
1.0	15.0	7.0	0.0	0.0	-124.9	261.4	259.9	4.6
1.0	15.0	6.0	0.0	0.0	-120.8	253.2	251.6	3.3
1.0	15.0	0.0	0.0	0.0	-147.2	296.5	296.4	6.2
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	9.2
0.5	15.0	2.0	1.0	0.0	-172.4	364.9	360.8	19.5
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	10.9
1.0	15.0	0.0	1.0	0.0	-151.1	313.7	312.1	10.2
1.0	15.0	0.0	1.0	0.0	-124.5	260.6	259.0	7.4
1.0	15.0	0.0	0.0	0.0	-91.2	184.5	184.4	4.2
1.0	15.0	1.0	0.0	0.0	-103.9	219.3	217.7	8.8
1.0	15.0	0.0	2.0	0.0	-178.2	367.9	366.4	13.9
1.0	15.0	0.0	2.0	0.0	-128.2	268.0	266.5	4.3
1.0	15.0	0.0	0.0	0.0	-104.4	211.0	210.9	2.3
1.0	15.0	1.0	0.0	0.0	-104.6	220.8	219.2	3.0
1.0	15.0	0.0	2.0	0.0	-146.7	305.0	303.4	6.6
1.0	15.0	0.0	1.0	0.0	-117.7	246.9	245.4	5.8
1.0	15.0	0.0	0.0	0.0	-68.8	139.7	139.6	1.2
0.6	15.0	1.0	0.0	0.0	-78.2	168.0	166.5	11.4
1.0	15.0	0.0	2.0	0.0	-132.8	277.1	275.6	4.7
1.0	15.0	0.0	1.0	0.0	-124.1	259.8	258.3	3.8
1.0	15.0	0.0	0.0	0.0	-89.6	181.3	181.2	2.1
1.0	15.0	1.0	0.0	0.0	-95.4	202.4	200.8	1.3
1.0	15.0	0.0	2.0	0.0	-161.5	334.5	332.9	9.3
1.0	15.0	0.0	2.0	0.0	-123.8	259.2	257.6	4.5
1.0	15.0	0.0	2.0	0.0	-102.5	216.6	215.1	1.7
1.0	15.0	2.0	0.0	0.0	-104.1	219.8	218.2	3.7
1.0	15.0	0.0	2.0	0.0	-139.0	289.5	287.9	5.1
0.9	15.0	0.0	2.0	0.0	-126.4	264.4	262.9	4.2
1.0	15.0	3.0	0.0	0.0	-157.7	327.0	325.4	8.3
1.0	15.0	2.0	0.0	0.0	-153.4	318.4	316.8	9.0
1.0	15.0	0.0	0.0	0.0	-127.6	257.2	257.1	4.7
1.0	15.0	0.0	3.0	0.0	-123.5	258.6	257.0	3.9
1.0	15.0	4.0	0.0	0.0	-172.7	356.9	355.3	25.3
1.0	15.0	2.0	0.0	0.0	-137.9	287.4	285.9	10.1
1.0	15.0	0.0	0.0	0.0	-134.3	270.6	270.5	4.9
1.0	15.0	0.0	2.0	0.0	-131.8	275.1	273.6	4.9
1.0	15.0	2.0	1.0	0.0	-136.1	292.2	288.2	5.9
1.0	15.0	2.0	0.0	0.0	-138.7	289.0	287.4	8.5
1.0	15.0	0.0	0.0	0.0	-142.7	287.4	287.3	6.1
1.0	15.0	0.0	0.0	0.0	-110.3	222.6	222.5	3.5
1.0	15.0	2.0	0.0	0.0	-159.3	330.2	328.7	9.2
0.9	15.0	2.0	0.0	0.0	-127.0	265.5	264.0	5.9
1.0	15.0	0.0	1.0	0.0	-171.3	344.6	344.5	13.4
1.0	15.0	0.0	1.0	0.0	-113.0	237.6	236.1	4.0
1.0	15.0	0.0	0.0	0.0	-60.1	122.3	122.2	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-80.4	172.3	170.7	2.3
1.0	15.0	0.0	0.0	0.0	-131.4	264.8	264.7	5.8
1.0	15.0	0.0	1.0	0.0	-130.1	271.7	270.2	4.3
1.0	15.0	0.0	0.0	0.0	-82.2	166.5	166.4	1.6
1.0	15.0	2.0	0.0	0.0	-99.9	211.3	209.7	1.9
1.0	15.0	0.0	0.0	0.0	-157.7	317.6	317.5	8.7
1.0	15.0	0.0	1.0	0.0	-123.1	257.7	256.2	3.7
1.0	15.0	0.0	0.0	0.0	-66.3	134.7	134.7	1.2
1.0	15.0	1.0	0.0	0.0	-68.9	149.3	147.7	1.1
1.0	15.0	0.0	0.0	0.0	-168.5	339.1	339.1	11.8
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.4	4.7
1.0	15.0	0.0	0.0	0.0	-114.8	231.8	231.7	3.7
1.0	15.0	2.0	0.0	0.0	-110.3	232.1	230.5	6.1
1.0	15.0	0.0	2.0	0.0	-155.3	322.2	320.7	8.0
1.0	15.0	0.0	2.0	0.0	-111.4	234.3	232.8	3.0
1.0	15.0	0.0	0.0	0.0	-144.7	291.4	291.3	7.7
1.0	15.0	3.0	0.0	0.0	-138.9	289.3	287.8	6.2
1.0	15.0	0.0	0.0	0.0	-150.0	302.1	302.0	7.1
1.0	15.0	0.0	0.0	0.0	-113.6	229.4	229.3	3.0
1.0	15.0	2.0	0.0	0.0	-175.6	371.2	367.2	18.1
1.0	15.0	2.0	0.0	0.0	-141.9	303.7	299.7	8.1
1.0	15.0	0.0	0.0	0.0	-148.3	298.7	298.6	9.6
1.0	15.0	0.0	2.0	0.0	-111.7	234.9	233.4	2.6
1.0	15.0	0.0	0.0	0.0	-68.7	139.6	139.5	1.0
1.0	15.0	2.0	0.0	0.0	-75.3	162.2	160.7	3.0
1.0	15.0	1.0	0.0	0.0	-141.2	284.5	284.4	6.6
1.0	15.0	0.0	3.0	0.0	-157.6	326.8	325.3	8.6
1.0	15.0	0.0	0.0	0.0	-70.2	142.5	142.4	1.3
1.0	15.0	1.0	0.0	0.0	-74.2	159.9	158.4	2.0
1.0	15.0	0.0	0.0	0.0	-165.3	332.7	332.6	9.2
1.0	15.0	0.0	3.0	0.0	-152.4	316.4	314.9	8.5
1.0	15.0	0.0	0.0	0.0	-119.7	241.5	241.4	3.7
1.0	15.0	3.0	0.0	0.0	-128.4	268.3	266.8	9.2
1.0	15.0	0.0	3.0	0.0	-160.7	332.9	331.3	9.4
0.8	15.0	0.0	2.0	0.0	-131.7	274.9	273.4	10.5
1.0	15.0	4.0	0.0	0.0	-153.9	319.3	317.8	8.0
1.0	15.0	4.0	0.0	0.0	-138.5	296.9	292.9	9.2
1.0	15.0	0.0	0.0	0.0	-133.8	269.7	269.6	7.7
1.0	15.0	0.0	2.0	0.0	-131.3	274.1	272.6	4.8
1.0	15.0	6.0	0.0	0.0	-160.0	339.9	335.9	14.9
1.0	15.0	6.0	0.0	0.0	-152.9	325.8	321.8	15.6
1.0	15.0	0.0	0.0	0.0	-139.4	280.8	280.8	6.0
1.0	15.0	0.0	1.0	0.0	-120.9	253.4	251.9	3.8
1.0	15.0	2.0	0.0	0.0	-147.5	306.5	305.0	7.5
1.0	15.0	1.0	0.0	0.0	-141.7	294.9	293.3	6.2
1.0	15.0	0.0	1.0	0.0	-153.8	309.7	309.6	11.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-114.7	241.0	239.5	2.9
0.8	15.0	3.0	0.0	0.0	-123.1	266.1	262.1	4.0
1.0	15.0	2.0	0.0	0.0	-123.8	259.1	257.5	5.0
1.0	15.0	0.0	1.0	0.0	-157.7	317.5	317.4	13.3
1.0	15.0	0.0	7.0	0.0	-146.0	303.6	302.0	6.2
1.0	15.0	2.0	0.0	0.0	-138.4	288.4	286.9	6.2
1.0	15.0	2.0	0.0	0.0	-136.9	285.3	283.8	5.4
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	6.0
1.0	15.0	0.0	3.0	0.0	-135.4	282.3	280.8	4.9
1.0	15.0	6.0	0.0	0.0	-175.4	370.7	366.7	16.3
0.7	15.0	6.0	0.0	0.0	-132.3	284.6	280.6	5.7
1.0	15.0	0.0	0.0	0.0	-158.9	319.8	319.7	7.7
0.9	15.0	0.0	7.0	0.0	-140.4	292.3	290.7	6.4
1.0	15.0	3.0	0.0	0.0	-127.9	275.7	271.7	4.6
1.0	15.0	5.0	0.0	0.0	-117.4	254.7	250.7	4.6
1.0	15.0	0.0	1.0	0.0	-178.4	358.9	358.8	11.4
1.0	15.0	0.0	3.0	0.0	-143.9	299.3	297.7	5.9
1.0	15.0	4.0	0.0	0.0	-156.6	333.1	329.1	14.2
0.9	15.0	4.0	0.0	0.0	-145.1	301.7	300.2	7.6
1.0	15.0	0.0	0.0	0.0	-159.6	321.2	321.1	8.0
1.0	15.0	0.0	4.0	0.0	-130.1	271.8	270.3	4.3
1.0	15.0	2.0	0.0	0.0	-122.5	264.9	260.9	4.4
1.0	15.0	3.0	0.0	0.0	-132.9	285.7	281.7	4.5
1.0	15.0	0.0	4.0	0.0	-149.7	310.9	309.3	6.5
0.6	15.0	0.0	2.0	0.0	-122.1	255.7	254.1	4.6
1.0	15.0	2.0	0.0	0.0	-159.3	330.1	328.5	9.9
1.0	15.0	2.0	0.0	0.0	-132.4	276.4	274.8	8.0
1.0	15.0	0.0	0.0	0.0	-151.9	305.9	305.8	6.5
1.0	15.0	0.0	2.0	0.0	-138.8	289.2	287.7	6.4
0.9	15.0	0.0	1.0	0.0	-108.8	229.1	227.6	2.4
1.0	15.0	1.0	0.0	0.0	-146.6	304.8	303.3	43.2
1.0	15.0	0.0	2.0	0.0	-126.0	263.5	262.0	4.4
1.0	15.0	0.0	0.0	0.0	-122.7	247.6	247.5	4.1
1.0	15.0	1.0	0.0	0.0	-161.4	334.4	332.9	9.7
1.0	15.0	1.0	0.0	0.0	-121.5	254.4	252.9	3.6
1.0	15.0	0.0	0.0	0.0	-136.9	275.8	275.7	6.0
1.0	15.0	0.0	2.0	0.0	-159.0	329.6	328.0	13.5
1.0	15.0	4.0	2.0	0.0	-136.7	293.3	289.3	6.9
1.0	15.0	4.0	0.0	0.0	-183.4	378.3	376.8	12.7
1.0	15.0	0.0	7.0	0.0	-169.0	349.5	348.0	15.1
1.0	15.0	0.0	2.0	0.0	-117.8	247.2	245.6	3.9
1.0	15.0	1.0	2.0	0.0	-176.8	373.8	369.7	18.9
0.6	15.0	3.0	1.0	0.0	-145.2	310.5	306.4	9.7
1.0	15.0	0.0	2.0	0.0	-142.8	297.2	295.6	6.9
1.0	15.0	0.0	1.0	0.0	-135.5	282.5	281.0	6.2
1.0	15.0	0.0	0.0	0.0	-114.7	231.4	231.3	3.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-124.0	259.5	257.9	19.8
1.0	15.0	0.0	2.0	0.0	-169.3	350.1	348.5	10.3
1.0	15.0	0.0	2.0	0.0	-143.7	298.9	297.4	5.7
1.0	15.0	0.0	0.0	0.0	-73.6	149.2	149.1	1.3
1.0	15.0	1.0	0.0	0.0	-95.1	201.8	200.2	12.8
1.0	15.0	0.0	6.0	0.0	-183.8	379.1	377.6	25.2
1.0	15.0	0.0	2.0	0.0	-144.0	299.5	298.0	10.0
1.0	15.0	0.0	0.0	0.0	-99.4	200.9	200.8	2.4
0.9	15.0	1.0	0.0	0.0	-128.3	268.1	266.6	32.9
1.0	15.0	0.0	2.0	0.0	-156.0	323.5	322.0	10.6
1.0	15.0	0.0	1.0	0.0	-124.5	260.6	259.1	8.0
1.0	15.0	0.0	0.0	0.0	-64.5	131.1	131.0	1.1
1.0	15.0	1.0	0.0	0.0	-69.7	151.0	149.5	1.2
1.0	15.0	0.0	3.0	0.0	-187.0	385.5	383.9	16.0
1.0	15.0	0.0	1.0	0.0	-161.3	334.2	332.7	13.7
1.0	15.0	9.0	0.0	0.0	-195.5	411.0	407.0	23.6
1.0	15.0	10.0	0.0	0.0	-201.7	415.0	413.4	51.2
1.0	15.0	0.0	10.0	0.0	-190.9	393.4	391.9	18.4
1.0	15.0	0.0	0.0	0.0	-161.8	325.7	325.6	8.3
1.0	15.0	1.0	0.0	0.0	-176.3	364.2	362.7	16.1
1.0	15.0	1.0	0.0	0.0	-103.5	219.0	217.0	5.3
1.0	15.0	0.0	0.0	0.0	-126.6	255.3	255.2	4.6
1.0	15.0	0.0	2.0	0.0	-118.5	248.5	246.9	3.4
1.0	15.0	5.0	0.0	0.0	-163.4	338.4	336.9	10.0
1.0	15.0	4.0	0.0	0.0	-145.8	303.2	301.6	7.9
1.0	15.0	0.0	0.0	0.0	-155.3	312.7	312.6	7.5
1.0	15.0	0.0	3.0	0.0	-123.5	258.6	257.1	4.3
1.0	15.0	5.0	0.0	0.0	-160.7	332.9	331.4	17.5
1.0	15.0	4.0	0.0	0.0	-142.6	296.7	295.1	11.4
1.0	15.0	0.0	0.0	0.0	-153.0	308.0	307.9	7.0
1.0	15.0	0.0	1.0	0.0	-118.2	248.0	246.4	5.7
1.0	15.0	1.0	0.0	0.0	-128.8	269.2	267.7	10.6
0.7	15.0	1.0	0.0	0.0	-117.0	245.5	243.9	7.2
0.7	15.0	0.0	6.0	0.0	-163.5	347.0	343.0	14.6
1.0	15.0	0.0	2.0	0.0	-116.4	244.3	242.8	3.5
1.0	15.0	3.0	0.0	0.0	-165.9	343.3	341.7	10.7
1.0	15.0	2.0	0.0	0.0	-135.8	283.2	281.7	10.4
1.0	15.0	0.0	0.0	0.0	-153.0	308.0	307.9	7.1
1.0	15.0	0.0	0.0	0.0	-120.6	243.4	243.3	5.9
1.0	15.0	1.0	0.0	0.0	-144.1	299.7	298.2	6.6
1.0	15.0	1.0	0.0	0.0	-136.5	284.5	283.0	5.9
1.0	15.0	0.0	0.0	0.0	-148.4	298.9	298.8	6.5
1.0	15.0	0.0	3.0	0.0	-124.6	260.7	259.2	5.2
1.0	15.0	1.0	1.0	0.0	-133.9	287.7	283.7	5.1
0.9	15.0	3.0	0.0	0.0	-138.1	287.7	286.1	10.1
1.0	15.0	0.0	2.0	0.0	-135.4	282.2	280.7	5.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-125.6	262.7	261.2	4.1
1.0	15.0	2.0	1.0	0.0	-173.6	367.2	363.2	35.0
1.0	15.0	2.0	0.0	0.0	-138.3	296.7	292.7	13.3
1.0	15.0	0.0	2.0	0.0	-149.5	310.5	308.9	10.5
1.0	15.0	1.0	2.0	0.0	-134.4	280.3	278.7	7.1
1.0	15.0	0.0	2.0	0.0	-104.0	219.6	218.0	1.9
1.0	15.0	1.0	0.0	0.0	-119.6	250.8	249.3	8.1
1.0	15.0	0.0	3.0	0.0	-176.8	365.1	363.6	12.1
1.0	15.0	0.0	2.0	0.0	-103.3	218.1	216.5	2.0
1.0	15.0	0.0	0.0	0.0	-79.0	160.1	160.0	2.0
1.0	15.0	2.0	0.0	0.0	-80.0	171.5	170.0	3.3
1.0	15.0	0.0	2.0	0.0	-143.3	298.1	296.5	7.8
1.0	15.0	0.0	2.0	0.0	-132.5	276.6	275.0	5.5
1.0	15.0	0.0	0.0	0.0	-86.0	174.0	173.9	2.7
1.0	15.0	2.0	0.0	0.0	-115.5	242.5	241.0	8.1
1.0	15.0	0.0	2.0	0.0	-182.8	377.1	375.6	14.2
1.0	15.0	0.0	3.0	0.0	-163.0	337.6	336.1	8.5
1.0	15.0	0.0	0.0	0.0	-85.0	172.1	172.0	2.4
1.0	15.0	2.0	0.0	0.0	-72.9	157.4	155.9	1.2
1.0	15.0	0.0	3.0	0.0	-145.7	302.9	301.4	7.4
1.0	15.0	0.0	3.0	0.0	-115.9	243.4	241.9	3.0
1.0	15.0	0.0	2.0	0.0	-106.0	223.4	221.9	2.0
1.0	15.0	2.0	0.0	0.0	-106.7	224.8	223.3	2.8
1.0	15.0	0.0	1.0	0.0	-164.7	340.9	339.4	8.9
1.0	15.0	0.0	0.0	0.0	-128.6	259.4	259.3	4.3
1.0	15.0	1.0	0.0	0.0	-171.6	354.8	353.3	30.0
1.0	15.0	1.0	0.0	0.0	-126.3	264.2	262.7	19.4
1.0	15.0	0.0	0.0	0.0	-158.2	318.6	318.5	8.9
1.0	15.0	0.0	1.0	0.0	-148.4	308.3	306.7	11.7
1.0	15.0	0.0	0.0	0.0	-83.2	168.5	168.4	2.2
0.9	15.0	1.0	0.0	0.0	-118.0	247.5	246.0	6.7
0.7	15.0	0.0	1.0	0.0	-171.8	355.1	353.6	16.0
1.0	15.0	0.0	4.0	0.0	-144.1	299.7	298.2	6.0
1.0	15.0	1.0	0.0	0.0	-118.0	247.5	246.0	4.0
1.0	15.0	1.0	0.0	0.0	-110.8	233.2	231.7	4.1
1.0	15.0	0.0	0.0	0.0	-157.5	317.0	316.9	8.5
1.0	15.0	0.0	2.0	0.0	-118.2	247.9	246.3	3.3
1.0	15.0	0.0	0.0	0.0	-98.8	199.8	199.7	3.4
0.9	15.0	1.0	0.0	0.0	-99.8	211.1	209.6	1.6
1.0	15.0	0.0	0.0	0.0	-155.3	312.6	312.5	6.8
1.0	15.0	0.0	2.0	0.0	-121.7	255.0	253.5	3.4
1.0	15.0	3.0	0.0	0.0	-149.0	309.5	308.0	8.3
1.0	15.0	3.0	0.0	0.0	-147.3	306.2	304.7	8.6
1.0	15.0	0.0	0.0	0.0	-129.0	260.1	260.0	4.0
1.0	15.0	0.0	2.0	0.0	-121.6	254.6	253.1	3.7
1.0	15.0	1.0	0.0	0.0	-161.6	334.8	333.2	10.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-121.1	253.8	252.3	5.3
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	7.3
1.0	15.0	0.0	5.0	0.0	-134.1	279.8	278.3	4.8
1.0	15.0	7.0	0.0	0.0	-196.6	404.8	403.3	23.3
1.0	15.0	7.0	0.0	0.0	-164.3	348.7	344.7	15.7
1.0	15.0	0.0	0.0	0.0	-153.3	308.6	308.5	6.7
1.0	15.0	0.0	2.0	0.0	-133.3	278.1	276.6	4.2
1.0	15.0	1.0	1.0	0.0	-164.8	341.1	339.5	9.7
1.0	15.0	2.0	0.0	0.0	-124.7	261.0	259.5	4.0
1.0	15.0	0.0	1.0	0.0	-143.6	298.8	297.2	5.3
1.0	15.0	0.0	1.0	0.0	-116.7	244.9	243.3	4.1
1.0	15.0	0.0	0.0	0.0	-63.2	128.4	128.3	1.0
1.0	15.0	1.0	0.0	0.0	-81.7	174.9	173.4	6.5
1.0	15.0	0.0	2.0	0.0	-126.0	263.5	261.9	4.7
1.0	15.0	0.0	2.0	0.0	-117.9	247.4	245.9	3.4
1.0	15.0	2.0	1.0	0.0	-133.9	287.8	283.8	5.0
1.0	15.0	2.0	0.0	0.0	-134.6	280.7	279.1	5.4
1.0	15.0	0.0	1.0	0.0	-122.1	255.7	254.1	4.0
1.0	15.0	0.0	2.0	0.0	-114.7	241.0	239.5	4.2
1.0	15.0	0.0	0.0	0.0	-59.5	121.1	121.0	0.7
1.0	15.0	1.0	0.0	0.0	-75.9	163.3	161.7	1.9
1.0	15.0	0.0	2.0	0.0	-147.2	305.9	304.3	7.5
1.0	15.0	0.0	1.0	0.0	-126.5	264.5	262.9	3.8
1.0	15.0	0.0	0.0	0.0	-106.1	214.4	214.3	3.2
0.6	15.0	1.0	0.0	0.0	-106.0	223.6	222.0	3.7
1.0	15.0	0.0	2.0	0.0	-168.5	348.4	346.9	9.5
1.0	15.0	0.0	0.0	0.0	-131.6	265.3	265.2	5.7
1.0	15.0	3.0	0.0	0.0	-170.4	352.4	350.8	11.6
1.0	15.0	2.0	0.0	0.0	-124.9	261.3	259.8	4.5
1.0	15.0	0.0	0.0	0.0	-162.2	326.5	326.4	8.7
1.0	15.0	0.0	2.0	0.0	-118.3	248.2	246.7	3.3
1.0	15.0	3.0	0.0	0.0	-130.8	273.1	271.5	4.2
1.0	15.0	2.0	0.0	0.0	-132.4	276.3	274.7	4.4
1.0	15.0	0.0	0.0	0.0	-136.2	274.5	274.4	5.9
1.0	15.0	0.0	0.0	0.0	-127.1	256.2	256.2	4.7
1.0	15.0	2.0	0.0	0.0	-139.2	289.9	288.3	5.8
1.0	15.0	2.0	0.0	0.0	-129.8	271.1	269.6	5.1
1.0	15.0	0.0	0.0	0.0	-121.7	245.6	245.5	3.9
1.0	15.0	0.0	1.0	0.0	-130.7	272.9	271.4	4.9
1.0	15.0	2.0	0.0	0.0	-142.5	296.5	295.0	8.4
1.0	15.0	2.0	0.0	0.0	-142.8	297.1	295.5	7.9
1.0	15.0	0.0	0.0	0.0	-159.3	320.8	320.7	9.0
1.0	15.0	0.0	1.0	0.0	-147.4	306.4	304.8	7.6
1.0	15.0	0.0	1.0	0.0	-113.7	229.6	229.5	5.4
1.0	15.0	1.0	0.0	0.0	-119.8	251.2	249.6	30.7
1.0	15.0	0.0	2.0	0.0	-151.0	313.5	312.0	7.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-113.9	247.9	243.9	3.2
1.0	15.0	2.0	0.0	0.0	-144.4	308.9	304.9	9.2
1.0	15.0	1.0	0.0	0.0	-141.9	303.9	299.9	8.3
1.0	15.0	0.0	0.0	0.0	-139.3	280.6	280.5	6.3
1.0	15.0	1.0	0.0	0.0	-129.1	269.8	268.2	4.7
1.0	15.0	2.0	0.0	0.0	-182.2	376.0	374.5	25.7
1.0	15.0	1.0	0.0	0.0	-147.1	305.8	304.2	8.6
1.0	15.0	0.0	0.0	0.0	-160.4	323.0	322.9	9.8
1.0	15.0	1.0	0.0	0.0	-148.6	308.8	307.3	6.7
1.0	15.0	3.0	0.0	0.0	-157.8	327.2	325.7	69.4
1.0	15.0	3.0	0.0	0.0	-155.5	322.5	321.0	30.7
1.0	15.0	0.0	0.0	0.0	-186.2	374.5	374.4	15.6
1.0	15.0	0.0	0.0	0.0	-99.4	200.9	200.8	2.2
1.0	15.0	2.0	0.0	0.0	-103.7	218.9	217.3	14.9
1.0	15.0	2.0	0.0	0.0	-95.0	201.5	200.0	11.6
1.0	15.0	0.0	2.0	0.0	-131.4	274.3	272.7	6.4
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.2	5.1
1.0	15.0	1.0	0.0	0.0	-121.9	255.4	253.8	43.5
0.9	15.0	1.0	0.0	0.0	-117.2	245.8	244.3	31.1
1.0	15.0	0.0	1.0	0.0	-181.6	365.4	365.3	14.7
1.0	15.0	1.0	0.0	0.0	-120.8	253.1	251.5	3.5
1.0	15.0	3.0	0.0	0.0	-119.4	250.4	248.9	26.6
1.0	15.0	2.0	0.0	0.0	-88.2	188.0	186.5	3.8
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.7	8.0
1.0	15.0	0.0	0.0	0.0	-137.2	276.6	276.5	4.8
1.0	15.0	4.0	0.0	0.0	-151.9	315.3	313.7	20.8
1.0	15.0	3.0	0.0	0.0	-121.1	253.7	252.2	7.2
1.0	15.0	0.0	0.0	0.0	-166.8	335.6	335.5	9.4
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	4.1
1.0	15.0	2.0	0.0	0.0	-167.0	345.6	344.0	10.0
1.0	15.0	1.0	0.0	0.0	-109.2	230.0	228.5	2.5
1.0	15.0	0.0	0.0	0.0	-160.0	322.1	322.0	9.0
0.9	15.0	0.0	5.0	0.0	-119.4	250.3	248.8	3.4
1.0	15.0	6.0	0.0	0.0	-153.6	327.2	323.2	7.0
1.0	15.0	5.0	0.0	0.0	-153.1	326.1	322.1	7.8
1.0	15.0	0.0	0.0	0.0	-145.7	293.5	293.4	5.8
1.0	15.0	0.0	1.0	0.0	-126.2	263.9	262.3	4.1
0.9	15.0	1.0	1.0	0.0	-133.3	286.6	282.6	5.5
1.0	15.0	2.0	0.0	0.0	-126.1	263.8	262.2	5.0
1.0	15.0	0.0	1.0	0.0	-139.2	290.0	288.4	6.7
1.0	15.0	0.0	0.0	0.0	-120.5	243.2	243.1	3.8
1.0	15.0	2.0	0.0	0.0	-150.3	312.2	310.6	7.7
1.0	15.0	1.0	0.0	0.0	-122.9	257.4	255.8	3.8
1.0	15.0	0.0	0.0	0.0	-151.7	305.5	305.5	8.9
0.9	15.0	1.0	1.0	0.0	-129.8	279.5	275.5	4.9
1.0	15.0	1.0	0.0	0.0	-139.1	280.3	280.2	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-114.0	239.5	238.0	3.8
1.0	15.0	0.0	1.0	0.0	-170.0	351.6	350.0	11.9
1.0	15.0	0.0	6.0	0.0	-129.7	270.9	269.4	4.1
1.0	15.0	8.0	0.0	0.0	-153.2	317.9	316.4	7.5
1.0	15.0	7.0	0.0	0.0	-129.2	269.9	268.3	4.5
1.0	15.0	0.0	0.0	0.0	-152.3	306.6	306.6	6.9
1.0	15.0	0.0	2.0	0.0	-114.4	240.4	238.8	3.0
1.0	15.0	6.0	0.0	0.0	-125.5	262.6	261.0	5.2
1.0	15.0	6.0	0.0	0.0	-120.8	253.2	251.7	4.4
1.0	15.0	0.0	0.0	0.0	-128.4	258.8	258.7	4.0
0.9	15.0	0.0	2.0	0.0	-127.6	266.7	265.2	3.6
1.0	15.0	2.0	0.0	0.0	-123.1	266.2	262.2	4.9
1.0	15.0	2.0	0.0	0.0	-108.2	236.5	232.5	2.6
1.0	15.0	0.0	0.0	0.0	-161.5	325.0	324.9	7.9
1.0	15.0	0.0	5.0	0.0	-140.5	292.5	290.9	5.4
1.0	15.0	2.0	6.0	0.0	-167.3	354.7	350.7	13.9
1.0	15.0	3.0	0.0	0.0	-174.4	368.8	364.8	14.1
1.0	15.0	0.0	7.0	0.0	-123.2	266.4	262.4	14.1
1.0	15.0	0.0	3.0	0.0	-134.2	279.9	278.4	5.9
1.0	15.0	3.0	3.0	0.0	-192.9	405.8	401.7	31.3
1.0	15.0	3.0	1.0	0.0	-159.4	338.9	334.8	16.6
1.0	15.0	0.0	3.0	0.0	-140.9	293.4	291.8	9.6
1.0	15.0	0.0	3.0	0.0	-139.0	289.6	288.0	5.3
1.0	15.0	2.0	3.0	0.0	-129.2	278.4	274.4	4.3
1.0	15.0	2.0	0.0	0.0	-126.7	264.8	263.3	4.1
1.0	15.0	0.0	4.0	0.0	-154.3	320.0	318.5	9.2
1.0	15.0	0.0	4.0	0.0	-125.5	262.4	260.9	4.2
1.0	15.0	0.0	3.0	0.0	-76.4	164.4	162.9	0.8
0.7	15.0	4.0	0.0	0.0	-97.8	215.6	211.6	4.1
1.0	15.0	0.0	4.0	0.0	-152.9	317.3	315.7	7.6
1.0	15.0	0.0	5.0	0.0	-142.2	295.9	294.3	6.5
1.0	15.0	0.0	0.0	0.0	-107.8	217.6	217.5	13.0
1.0	15.0	5.0	0.0	0.0	-143.3	298.2	296.6	14.4
1.0	15.0	0.0	5.0	0.0	-190.3	392.1	390.5	30.0
1.0	15.0	0.0	4.0	0.0	-141.1	293.7	292.1	6.2
1.0	15.0	0.0	0.0	0.0	-102.3	206.7	206.6	3.0
1.0	15.0	3.0	0.0	0.0	-74.9	161.3	159.8	1.2
1.0	15.0	0.0	5.0	0.0	-157.1	325.7	324.2	13.8
1.0	15.0	0.0	5.0	0.0	-121.6	254.7	253.2	3.4
1.0	15.0	2.0	1.0	0.0	-116.5	253.0	249.0	8.2
1.0	15.0	5.0	0.0	0.0	-132.1	275.7	274.1	6.0
1.0	15.0	0.0	5.0	0.0	-147.6	306.7	305.2	7.2
1.0	15.0	0.0	0.0	0.0	-124.2	250.4	250.4	5.3
1.0	15.0	2.0	0.0	0.0	-132.2	275.8	274.3	4.4
1.0	15.0	2.0	0.0	0.0	-122.5	256.5	255.0	3.5
1.0	15.0	0.0	0.0	0.0	-128.8	259.7	259.6	4.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-142.9	287.9	287.8	6.3
1.0	15.0	4.0	0.0	0.0	-189.2	390.0	388.4	19.0
1.0	15.0	2.0	0.0	0.0	-152.1	315.7	314.2	10.0
1.0	15.0	0.0	0.0	0.0	-186.8	375.7	375.6	15.1
1.0	15.0	0.0	0.0	0.0	-131.6	265.4	265.3	4.4
0.6	15.0	4.0	1.0	0.0	-181.2	382.3	378.3	16.5
0.7	15.0	1.0	0.0	0.0	-149.9	319.8	315.8	11.1
1.0	15.0	0.0	0.0	0.0	-142.1	286.3	286.2	7.0
1.0	15.0	0.0	0.0	0.0	-145.9	293.9	293.8	7.2
1.0	15.0	2.0	0.0	0.0	-161.2	334.0	332.5	8.9
1.0	15.0	1.0	0.0	0.0	-116.1	243.8	242.2	2.8
1.0	15.0	0.0	0.0	0.0	-159.6	321.4	321.3	9.1
1.0	15.0	1.0	2.0	0.0	-141.4	294.4	292.9	11.8
1.0	15.0	3.0	1.0	0.0	-164.4	348.8	344.8	23.8
1.0	15.0	2.0	1.0	0.0	-143.6	307.3	303.3	15.1
1.0	15.0	0.0	0.0	0.0	-172.8	347.7	347.6	13.1
1.0	15.0	0.0	1.0	0.0	-115.8	243.1	241.5	3.0
1.0	15.0	0.0	0.0	0.0	-59.7	121.6	121.5	0.8
1.0	15.0	1.0	0.0	0.0	-68.0	147.6	146.0	0.6
1.0	15.0	0.0	1.0	0.0	-144.1	299.8	298.2	8.6
1.0	15.0	0.0	1.0	0.0	-145.9	303.2	301.7	10.7
1.0	15.0	0.0	0.0	0.0	-81.8	165.7	165.6	1.8
0.5	15.0	1.0	0.0	0.0	-103.2	217.9	216.3	11.4
1.0	15.0	0.0	1.0	0.0	-156.7	325.0	323.3	13.3
1.0	15.0	0.0	0.0	0.0	-124.7	251.6	251.5	4.2
1.0	15.0	1.0	0.0	0.0	-131.6	274.6	273.1	6.9
1.0	15.0	1.0	0.0	0.0	-113.2	237.9	236.3	3.2
1.0	15.0	0.0	0.0	0.0	-164.3	330.8	330.7	10.9
1.0	15.0	0.0	2.0	0.0	-801.8	1613.7	1613.5	8.4
1.0	15.0	0.0	1.0	0.0	-804.2	1618.7	1618.4	5.4
1.0	15.0	2.0	0.0	0.0	-853.9	1718.0	1717.8	12.4
1.0	15.0	0.0	2.0	0.0	-938.0	1886.2	1886.0	10.6
1.0	15.0	0.0	2.0	0.0	-861.0	1732.2	1732.0	9.0
1.0	15.0	1.0	2.0	0.0	-1132.9	2282.3	2281.8	26.9
1.0	15.0	1.0	0.0	0.0	-942.3	1901.1	1900.5	11.4
1.0	15.0	0.0	2.0	0.0	-997.8	2005.7	2005.5	13.1
1.0	15.0	0.0	1.0	0.0	-838.0	1686.3	1686.0	6.2
1.0	15.0	0.0	0.0	0.0	-672.1	1346.2	1346.2	5.5
1.0	15.0	1.0	0.0	0.0	-780.6	1571.3	1571.1	16.3
1.0	15.0	0.0	1.0	0.0	-1004.2	2018.7	2018.4	10.3
1.0	15.0	0.0	2.0	0.0	-704.0	1418.3	1418.1	4.9
1.0	15.0	0.0	0.0	0.0	-422.2	846.4	846.4	1.6
1.0	15.0	1.0	0.0	0.0	-535.2	1080.6	1080.4	9.3
1.0	15.0	0.0	2.0	0.0	-838.9	1688.1	1687.9	7.0
1.0	15.0	0.0	1.0	0.0	-844.2	1698.7	1698.5	10.7
1.0	15.0	0.0	0.0	0.0	-548.5	1099.1	1099.1	3.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-750.3	1510.8	1510.6	30.8
1.0	15.0	0.0	3.0	0.0	-1056.9	2124.1	2123.9	13.4
1.0	15.0	0.0	1.0	0.0	-873.9	1758.1	1757.9	7.6
1.0	15.0	0.0	0.0	0.0	-387.0	776.0	776.0	1.0
1.0	15.0	1.0	0.0	0.0	-453.0	916.3	916.1	2.3
1.0	15.0	0.0	1.0	0.0	-970.8	1951.8	1951.6	12.7
1.0	15.0	0.0	2.0	0.0	-824.4	1659.0	1658.8	9.7
1.0	15.0	0.0	0.0	0.0	-681.4	1364.8	1364.8	4.5
1.0	15.0	1.0	0.0	0.0	-771.4	1552.9	1552.7	26.6
1.0	15.0	0.0	2.0	0.0	-1000.9	2012.1	2011.9	12.4
1.0	23.0	0.0	4.0	0.0	-714.9	1440.1	1439.9	6.9
1.0	23.0	0.0	2.0	0.0	-708.1	1426.5	1426.3	6.3
1.0	23.0	3.0	0.0	0.0	-716.5	1443.3	1443.0	8.1
1.0	23.0	0.0	3.0	0.0	-784.4	1579.2	1578.9	8.4
1.0	23.0	0.0	2.0	0.0	-677.9	1366.0	1365.7	6.8
1.0	23.0	1.0	2.0	0.0	-909.0	1834.6	1834.0	18.9
0.8	23.0	3.0	0.0	0.0	-730.4	1477.5	1476.8	11.0
1.0	23.0	0.0	3.0	0.0	-834.1	1678.5	1678.2	12.3
1.0	23.0	0.0	1.0	0.0	-682.4	1375.0	1374.8	6.2
1.0	23.0	0.0	1.0	0.0	-594.9	1200.1	1199.8	4.1
1.0	23.0	1.0	0.0	0.0	-590.5	1191.3	1191.0	7.1
1.0	23.0	0.0	3.0	0.0	-821.9	1654.1	1653.9	10.7
1.0	23.0	0.0	3.0	0.0	-628.6	1267.4	1267.1	5.8
1.0	23.0	0.0	0.0	0.0	-316.0	634.0	633.9	1.0
1.0	23.0	1.0	0.0	0.0	-439.4	889.1	888.8	9.7
1.0	23.0	0.0	2.0	0.0	-706.0	1422.4	1422.1	7.3
1.0	23.0	0.0	2.0	0.0	-700.0	1410.3	1410.0	7.8
1.0	23.0	0.0	0.0	0.0	-420.8	843.7	843.7	2.1
1.0	23.0	2.0	0.0	0.0	-574.1	1158.4	1158.1	10.8
1.0	23.0	0.0	4.0	0.0	-892.6	1795.5	1795.2	13.5
1.0	23.0	0.0	3.0	0.0	-675.2	1360.8	1360.5	6.5
1.0	23.0	0.0	0.0	0.0	-310.7	623.4	623.3	1.2
1.0	23.0	1.0	0.0	0.0	-372.8	755.9	755.7	1.9
1.0	23.0	0.0	1.0	0.0	-778.3	1566.8	1566.6	11.6
1.0	23.0	0.0	2.0	0.0	-411.6	833.6	833.2	7.6
1.0	23.0	0.0	0.0	0.0	-315.7	633.4	633.3	2.6
1.0	23.0	1.0	0.0	0.0	-363.9	738.3	737.8	16.2
1.0	23.0	0.0	2.0	0.0	-490.4	991.2	990.8	12.0
1.0	15.0	0.0	2.0	0.0	-732.2	1474.6	1474.3	4.7
1.0	15.0	0.0	3.0	0.0	-880.5	1771.3	1771.0	6.4
1.0	15.0	2.0	0.0	0.0	-869.4	1749.0	1748.8	9.3
1.0	15.0	0.0	2.0	0.0	-949.9	1909.9	1909.7	8.8
1.0	15.0	0.0	1.0	0.0	-856.1	1722.4	1722.2	6.4
1.0	15.0	1.0	1.0	0.0	-1107.8	2232.1	2231.6	20.9
1.0	15.0	2.0	0.0	0.0	-908.1	1832.7	1832.2	11.8
1.0	15.0	0.0	2.0	0.0	-948.1	1906.4	1906.2	9.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-839.5	1689.3	1689.1	5.3
1.0	15.0	0.0	1.0	0.0	-687.0	1384.3	1384.1	3.5
1.0	15.0	1.0	0.0	0.0	-764.3	1538.7	1538.5	16.9
1.0	15.0	0.0	2.0	0.0	-1032.6	2075.4	2075.2	11.8
1.0	15.0	0.0	2.0	0.0	-709.2	1428.5	1428.3	5.3
1.0	15.0	0.0	0.0	0.0	-378.0	758.0	758.0	2.1
1.0	15.0	1.0	0.0	0.0	-528.9	1068.0	1067.7	4.2
1.0	15.0	0.0	2.0	0.0	-849.1	1708.4	1708.2	8.1
1.0	15.0	0.0	1.0	0.0	-865.1	1740.5	1740.3	6.5
1.0	15.0	0.0	0.0	0.0	-551.1	1104.2	1104.2	2.2
1.0	15.0	1.0	0.0	0.0	-689.3	1388.8	1388.6	12.3
1.0	15.0	0.0	1.0	0.0	-1026.0	2062.3	2062.0	12.3
1.0	15.0	0.0	2.0	0.0	-782.0	1574.2	1574.0	5.1
1.0	15.0	0.0	0.0	0.0	-385.7	773.5	773.5	1.5
1.0	15.0	1.0	0.0	0.0	-449.9	910.1	909.9	3.7
1.0	15.0	0.0	1.0	0.0	-922.4	1854.9	1854.7	10.2
1.0	15.0	0.0	3.0	0.0	-853.8	1717.8	1717.6	5.8
1.0	15.0	0.0	1.0	0.0	-699.3	1408.7	1408.5	3.2
1.0	15.0	1.0	0.0	0.0	-768.9	1548.0	1547.8	11.1
1.0	15.0	0.0	2.0	0.0	-1015.4	2041.1	2040.8	10.0
0.6	15.0	1.0	0.0	0.0	-143.9	299.4	297.8	9.6
1.0	15.0	2.0	1.0	0.0	-179.0	378.1	374.0	21.9
1.0	15.0	3.0	1.0	0.0	-141.8	303.6	299.5	16.6
1.0	15.0	0.0	1.0	0.0	-156.0	323.6	322.1	9.2
1.0	15.0	0.0	2.0	0.0	-109.3	230.1	228.6	2.8
1.0	15.0	0.0	0.0	0.0	-67.7	137.6	137.5	1.2
1.0	15.0	2.0	0.0	0.0	-73.8	159.2	157.6	1.4
1.0	15.0	2.0	0.0	0.0	-120.9	253.3	251.7	4.2
1.0	15.0	0.0	2.0	0.0	-127.4	266.4	264.9	4.6
1.0	15.0	0.0	0.0	0.0	-85.1	172.3	172.2	1.8
1.0	15.0	2.0	0.0	0.0	-95.2	202.0	200.5	1.5
1.0	15.0	0.0	0.0	0.0	-163.7	329.5	329.4	9.6
1.0	15.0	0.0	0.0	0.0	-111.7	225.6	225.5	3.5
1.0	15.0	1.0	0.0	0.0	-156.5	324.6	323.1	8.0
1.0	15.0	1.0	0.0	0.0	-107.5	226.5	224.9	2.5
1.0	15.0	0.0	0.0	0.0	-130.3	262.7	262.7	4.4
0.9	15.0	0.0	4.0	0.0	-150.5	312.6	311.1	14.6
1.0	15.0	0.0	3.0	0.0	-117.4	246.3	244.7	4.3
1.0	15.0	3.0	0.0	0.0	-159.2	329.9	328.4	23.1
1.0	15.0	0.0	4.0	0.0	-168.5	348.5	347.0	11.0
1.0	15.0	0.0	0.0	0.0	-142.1	286.2	286.1	5.5
0.9	15.0	1.0	0.0	0.0	-170.9	353.4	351.9	11.3
1.0	15.0	1.0	0.0	0.0	-106.9	225.4	223.9	2.8
1.0	15.0	0.0	0.0	0.0	-163.9	329.8	329.7	8.4
1.0	15.0	0.0	2.0	0.0	-115.7	243.0	241.5	3.6
1.0	15.0	2.0	1.0	0.0	-140.0	300.0	296.0	6.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-137.7	287.0	285.5	6.9
1.0	15.0	0.0	1.0	0.0	-141.7	295.0	293.4	5.7
1.0	15.0	0.0	1.0	0.0	-121.8	255.1	253.5	4.2
1.0	15.0	0.0	0.0	0.0	-166.0	334.1	334.1	14.1
1.0	15.0	1.0	0.0	0.0	-115.5	242.6	241.0	3.4
1.0	15.0	0.0	1.0	0.0	-128.0	267.6	266.0	5.0
1.0	15.0	0.0	1.0	0.0	-146.5	304.6	303.0	6.4
1.0	15.0	0.0	0.0	0.0	-80.9	163.9	163.8	1.7
1.0	15.0	1.0	0.0	0.0	-96.1	203.8	202.3	1.7
1.0	15.0	0.0	1.0	0.0	-163.2	337.9	336.4	8.7
1.0	15.0	0.0	2.0	0.0	-120.3	252.1	250.6	3.2
1.0	15.0	0.0	0.0	0.0	-115.0	232.1	232.0	8.3
1.0	15.0	1.0	0.0	0.0	-119.1	249.7	248.1	8.8
1.0	15.0	0.0	2.0	0.0	-149.1	309.7	308.2	7.2
1.0	15.0	0.0	0.0	0.0	-126.8	255.6	255.5	7.1
1.0	15.0	1.0	0.0	0.0	-121.3	254.2	252.7	5.5
0.9	15.0	1.0	0.0	0.0	-122.7	257.0	255.5	9.2
1.0	15.0	0.0	0.0	0.0	-149.8	301.6	301.5	7.9
1.0	15.0	0.0	0.0	0.0	-123.8	249.6	249.5	4.3
1.0	15.0	4.0	0.0	0.0	-160.9	333.4	331.8	10.4
1.0	15.0	3.0	0.0	0.0	-127.7	266.9	265.4	4.5
1.0	15.0	0.0	0.0	0.0	-154.0	310.1	310.0	7.3
1.0	15.0	0.0	0.0	0.0	-131.4	264.8	264.7	5.0
1.0	15.0	3.0	0.0	0.0	-174.1	359.7	358.1	26.7
1.0	15.0	2.0	0.0	0.0	-146.3	304.2	302.7	18.1
1.0	15.0	0.0	0.0	0.0	-151.3	304.7	304.7	9.4
1.0	15.0	0.0	0.0	0.0	-119.8	241.6	241.5	3.5
1.0	15.0	2.0	0.0	0.0	-146.7	305.0	303.5	8.4
1.0	15.0	1.0	0.0	0.0	-128.3	268.1	266.6	4.7
1.0	15.0	0.0	0.0	0.0	-155.6	313.2	313.1	9.3
1.0	15.0	0.0	1.0	0.0	-140.5	292.5	291.0	8.2
0.5	15.0	3.0	0.0	0.0	-145.4	310.7	306.7	6.4
1.0	15.0	3.0	0.0	0.0	-143.6	298.8	297.3	5.9
1.0	15.0	0.0	1.0	0.0	-136.7	284.9	283.4	9.9
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.7	4.6
1.0	15.0	2.0	1.0	0.0	-155.8	331.6	327.6	11.0
1.0	15.0	0.0	1.0	0.0	-137.0	285.6	284.0	7.4
1.0	15.0	0.0	2.0	0.0	-149.8	311.1	309.6	7.8
1.0	15.0	0.0	2.0	0.0	-108.7	229.0	227.4	2.3
1.0	15.0	3.0	0.0	0.0	-119.1	249.7	248.1	3.3
1.0	15.0	3.0	0.0	0.0	-115.7	242.9	241.3	3.5
1.0	15.0	0.0	0.0	0.0	-115.2	232.5	232.4	2.9
1.0	15.0	0.0	2.0	0.0	-136.5	284.6	283.1	6.4
1.0	15.0	0.0	0.0	0.0	-150.1	302.4	302.3	6.7
0.9	15.0	1.0	0.0	0.0	-157.0	325.5	324.0	8.4
1.0	15.0	0.0	0.0	0.0	-133.2	268.4	268.4	4.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-133.8	279.2	277.7	5.3
1.0	15.0	2.0	1.0	0.0	-167.6	355.3	351.3	17.4
1.0	15.0	3.0	0.0	0.0	-130.6	281.2	277.2	9.6
1.0	15.0	0.0	1.0	0.0	-171.4	345.0	344.9	11.3
1.0	15.0	0.0	3.0	0.0	-149.4	310.3	308.7	6.3
1.0	15.0	2.0	0.0	0.0	-103.9	219.4	217.9	2.4
1.0	15.0	1.0	0.0	0.0	-109.7	230.9	229.4	5.6
1.0	15.0	0.0	0.0	0.0	-178.4	358.8	358.7	12.3
1.0	15.0	0.0	1.0	0.0	-117.1	245.6	244.1	3.6
1.0	15.0	0.0	0.0	0.0	-101.1	204.3	204.3	2.8
1.0	15.0	1.0	0.0	0.0	-84.0	179.6	178.1	1.4
1.0	15.0	0.0	0.0	0.0	-156.3	314.7	314.6	8.0
1.0	15.0	0.0	1.0	0.0	-125.3	262.1	260.6	6.5
1.0	15.0	0.0	0.0	0.0	-160.1	322.3	322.2	8.7
1.0	15.0	2.0	0.0	0.0	-159.4	330.2	328.7	8.8
0.9	15.0	0.0	1.0	0.0	-157.4	326.4	324.9	8.1
1.0	15.0	0.0	4.0	0.0	-118.1	247.8	246.3	3.4
0.6	15.0	6.0	0.0	0.0	-173.5	366.9	362.9	14.8
0.7	15.0	6.0	0.0	0.0	-140.0	300.0	296.0	6.6
1.0	15.0	0.0	2.0	0.0	-140.3	292.2	290.6	6.2
1.0	15.0	0.0	3.0	0.0	-372.0	754.4	754.0	4.4
1.0	15.0	5.0	0.0	0.0	-534.2	1085.5	1084.3	14.4
1.0	15.0	6.0	0.0	0.0	-444.8	906.8	905.6	10.3
1.0	15.0	0.0	1.0	0.0	-490.2	990.9	990.4	11.1
1.0	15.0	0.0	3.0	0.0	-123.0	257.5	256.0	3.5
0.9	15.0	2.0	0.0	0.0	-194.0	390.0	389.9	20.7
1.0	15.0	3.0	0.0	0.0	-155.9	323.4	321.9	12.9
1.0	15.0	0.0	0.0	0.0	-159.4	320.8	320.8	9.1
1.0	15.0	0.0	0.0	0.0	-129.1	260.3	260.2	4.6
1.0	15.0	3.0	0.0	0.0	-151.5	314.6	313.0	8.3
1.0	15.0	2.0	0.0	0.0	-123.8	259.2	257.7	5.7
1.0	15.0	0.0	0.0	0.0	-155.3	312.7	312.6	7.7
0.8	15.0	0.0	1.0	0.0	-132.9	277.4	275.9	5.1
1.0	15.0	2.0	1.0	0.0	-164.4	348.9	344.8	18.9
1.0	15.0	2.0	1.0	0.0	-138.9	297.9	293.7	12.8
1.0	15.0	0.0	1.0	0.0	-168.4	338.8	338.7	13.9
1.0	15.0	0.0	3.0	0.0	-111.8	243.7	239.7	4.1
1.0	15.0	3.0	0.0	0.0	-143.0	305.9	301.9	13.0
1.0	15.0	3.0	0.0	0.0	-136.4	292.7	288.7	23.0
1.0	15.0	0.0	2.0	0.0	-144.0	299.6	298.0	10.3
1.0	15.0	0.0	2.0	0.0	-152.5	316.5	314.9	7.4
1.0	15.0	2.0	0.0	0.0	-149.8	319.5	315.5	7.5
1.0	15.0	3.0	0.0	0.0	-152.8	317.2	315.6	7.5
1.0	15.0	0.0	1.0	0.0	-148.2	307.9	306.4	6.1
1.0	15.0	0.0	1.0	0.0	-152.5	316.5	314.9	7.2
1.0	15.0	0.0	0.0	0.0	-100.7	203.6	203.5	10.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	1.0	0.0	0.0	-113.1	237.8	236.2	8.7
1.0	15.0	0.0	1.0	0.0	-172.2	355.9	354.4	11.6
1.0	15.0	0.0	1.0	0.0	-136.4	284.3	282.7	10.3
1.0	15.0	0.0	0.0	0.0	-127.4	256.9	256.8	4.9
0.9	15.0	1.0	0.0	0.0	-109.9	231.3	229.8	24.7
1.0	15.0	0.0	1.0	0.0	-174.3	360.2	358.7	14.7
1.0	15.0	0.0	0.0	0.0	-123.0	248.2	248.1	4.1
1.0	15.0	2.0	0.0	0.0	-146.1	303.8	302.2	6.3
1.0	15.0	3.0	0.0	0.0	-137.6	286.8	285.2	5.2
1.0	15.0	0.0	2.0	0.0	-134.2	280.0	278.4	5.3
1.0	15.0	0.0	0.0	0.0	-233.3	468.6	468.5	3.4
1.0	15.0	2.0	0.0	0.0	-301.0	612.6	611.9	9.8
1.0	15.0	2.0	0.0	0.0	-249.4	509.4	508.7	5.4
1.0	15.0	0.0	0.0	0.0	-317.4	636.9	636.9	8.2
1.0	15.0	0.0	1.0	0.0	-112.5	236.5	235.0	2.6
0.8	15.0	2.0	0.0	0.0	-134.4	288.8	284.8	5.2
1.0	15.0	2.0	0.0	0.0	-125.4	262.3	260.8	5.0
1.0	15.0	0.0	1.0	0.0	-142.0	286.2	286.1	12.0
1.0	15.0	0.0	1.0	0.0	-130.2	271.9	270.4	4.6
1.0	15.0	0.0	0.0	0.0	-70.2	142.5	142.4	1.1
1.0	15.0	1.0	0.0	0.0	-114.9	241.3	239.7	26.9
1.0	15.0	0.0	1.0	0.0	-186.4	384.4	382.9	16.6
1.0	15.0	0.0	1.0	0.0	-119.6	250.7	249.2	3.9
1.0	15.0	0.0	0.0	0.0	-108.2	218.5	218.4	3.9
1.0	15.0	1.0	0.0	0.0	-99.1	209.7	208.1	13.0
1.0	15.0	0.0	1.0	0.0	-151.5	314.6	313.1	7.2
1.0	15.0	0.0	4.0	0.0	-119.8	251.1	249.5	3.5
1.0	15.0	0.0	3.0	0.0	-138.8	289.1	287.6	5.2
0.9	15.0	2.0	0.0	0.0	-140.7	301.4	297.4	8.0
1.0	15.0	0.0	2.0	0.0	-150.0	311.6	310.1	8.1
1.0	15.0	0.0	3.0	0.0	-152.9	317.4	315.8	9.5
1.0	15.0	2.0	2.0	0.0	-189.1	398.1	394.1	38.4
1.0	15.0	2.0	2.0	0.0	-169.0	358.1	354.1	25.2
1.0	15.0	0.0	2.0	0.0	-170.1	351.6	350.1	11.3
1.0	15.0	0.0	1.0	0.0	-135.8	283.2	281.6	6.8
1.0	15.0	0.0	0.0	0.0	-127.7	257.4	257.3	5.2
0.6	15.0	1.0	0.0	0.0	-115.3	242.1	240.6	5.4
1.0	15.0	0.0	3.0	0.0	-152.5	316.5	314.9	8.2
1.0	15.0	0.0	3.0	0.0	-143.9	299.3	297.8	13.5
1.0	15.0	0.0	0.0	0.0	-75.0	152.2	152.1	1.4
0.8	15.0	2.0	0.0	0.0	-100.0	220.0	216.0	9.1
1.0	15.0	0.0	4.0	0.0	-141.5	294.5	292.9	14.6
1.0	15.0	0.0	4.0	0.0	-152.5	316.5	314.9	10.7
1.0	15.0	0.0	0.0	0.0	-109.3	220.7	220.6	4.5
1.0	15.0	4.0	0.0	0.0	-135.8	291.7	287.7	11.2
1.0	15.0	0.0	4.0	0.0	-181.4	374.3	372.7	13.7



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-145.2	302.0	300.5	6.9
1.0	15.0	0.0	0.0	0.0	-77.5	157.1	157.0	1.4
1.0	15.0	1.0	0.0	0.0	-76.5	164.6	163.1	1.7
1.0	15.0	0.0	1.0	0.0	-172.3	356.2	354.6	12.7
1.0	15.0	0.0	2.0	0.0	-145.5	302.5	301.0	17.0
1.0	15.0	0.0	2.0	0.0	-143.7	289.5	289.4	8.1
0.8	15.0	2.0	0.0	0.0	-127.0	265.5	264.0	13.0
1.0	15.0	0.0	4.0	0.0	-191.3	394.1	392.5	22.7
1.0	15.0	0.0	6.0	0.0	-263.1	537.0	536.2	5.8
1.0	15.0	0.0	4.0	0.0	-295.6	601.8	601.1	7.3
1.0	15.0	1.0	0.0	0.0	-292.8	603.4	601.7	8.4
1.0	15.0	0.0	1.0	0.0	-332.8	667.6	667.5	14.2
0.9	15.0	0.0	6.0	0.0	-309.0	635.7	633.9	11.9
1.0	15.0	3.0	1.0	0.0	-389.6	797.0	795.2	39.7
1.0	15.0	4.0	1.0	0.0	-350.3	718.4	716.7	25.1
1.0	15.0	0.0	1.0	0.0	-314.6	639.8	639.1	8.6
1.0	15.0	0.0	4.0	0.0	-262.5	535.8	535.1	12.6
1.0	15.0	0.0	0.0	0.0	-163.4	328.8	328.7	1.9
1.0	15.0	3.0	0.0	0.0	-237.8	486.2	485.5	11.9
0.9	15.0	0.0	4.0	0.0	-339.8	690.4	689.7	17.2
1.0	15.0	0.0	3.0	0.0	-314.9	640.5	639.8	11.7
1.0	15.0	0.0	0.0	0.0	-231.3	464.7	464.7	4.8
1.0	15.0	4.0	0.0	0.0	-279.8	570.4	569.7	10.7
1.0	15.0	0.0	4.0	0.0	-371.7	754.2	753.5	18.7
1.0	15.0	0.0	4.0	0.0	-289.7	590.2	589.5	6.6
1.0	15.0	1.0	3.0	0.0	-222.5	462.8	461.0	3.0
1.0	15.0	5.0	0.0	0.0	-241.8	494.3	493.6	4.7
1.0	15.0	0.0	4.0	0.0	-363.7	738.2	737.5	19.6
1.0	15.0	0.0	0.0	0.0	-114.2	230.5	230.4	3.2
1.0	15.0	2.0	0.0	0.0	-107.9	227.3	225.8	3.2
1.0	15.0	1.0	0.0	0.0	-96.0	203.6	202.0	1.1
1.0	15.0	0.0	0.0	0.0	-167.8	337.7	337.6	8.8
1.0	15.0	0.0	2.0	0.0	-119.4	250.4	248.8	3.7
1.0	15.0	2.0	0.0	0.0	-145.8	303.2	301.6	6.0
1.0	15.0	2.0	0.0	0.0	-144.8	301.1	299.5	7.2
1.0	15.0	0.0	0.0	0.0	-120.1	242.2	242.2	3.1
0.8	15.0	0.0	6.0	0.0	-130.0	279.9	275.9	5.8
1.0	15.0	6.0	1.0	0.0	-197.3	414.5	410.5	29.3
1.0	15.0	5.0	1.0	0.0	-178.1	376.2	372.2	15.6
1.0	15.0	0.0	2.0	0.0	-166.7	344.9	343.3	10.3
1.0	15.0	0.0	1.0	0.0	-124.7	260.9	259.3	4.9
1.0	15.0	0.0	0.0	0.0	-82.8	167.7	167.6	2.6
1.0	15.0	3.0	0.0	0.0	-79.1	169.8	168.2	1.6
1.0	15.0	0.0	1.0	0.0	-128.4	268.4	266.8	6.7
1.0	15.0	0.0	4.0	0.0	-168.4	348.4	346.8	11.4
1.0	15.0	5.0	0.0	0.0	-113.0	246.1	242.1	5.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	5.0	0.0	0.0	-123.5	258.5	257.0	7.7
1.0	15.0	0.0	3.0	0.0	-166.1	343.8	342.2	11.8
0.9	15.0	0.0	5.0	0.0	-135.6	282.8	281.3	4.9
1.0	15.0	0.0	2.0	0.0	-113.7	239.0	237.4	3.6
0.9	15.0	4.0	0.0	0.0	-112.7	237.0	235.4	3.3
1.0	15.0	0.0	3.0	0.0	-169.5	350.5	348.9	9.9
1.0	15.0	0.0	2.0	0.0	-141.6	294.8	293.2	5.5
1.0	15.0	2.0	0.0	0.0	-112.9	237.4	235.9	4.4
1.0	15.0	2.0	0.0	0.0	-125.1	261.7	260.1	6.0
1.0	15.0	0.0	2.0	0.0	-149.7	311.0	309.5	6.8
1.0	15.0	0.0	3.0	0.0	-113.0	237.6	236.1	3.3
0.5	15.0	1.0	0.0	0.0	-127.5	275.0	271.0	5.3
1.0	15.0	3.0	0.0	0.0	-132.6	276.8	275.3	7.2
1.0	15.0	0.0	1.0	0.0	-145.0	292.1	292.0	6.9
1.0	15.0	0.0	2.0	0.0	-143.0	297.5	296.0	5.9
0.9	15.0	0.0	1.0	0.0	-174.4	360.3	358.8	16.0
0.9	15.0	2.0	0.0	0.0	-128.6	268.7	267.2	4.3
1.0	15.0	0.0	0.0	0.0	-161.9	325.9	325.9	9.3
1.0	15.0	0.0	2.0	0.0	-139.9	291.3	289.7	5.0
1.0	15.0	0.0	0.0	0.0	-106.2	214.5	214.4	2.9
1.0	15.0	2.0	0.0	0.0	-110.2	231.9	230.4	3.1
1.0	15.0	0.0	0.0	0.0	-155.4	313.0	312.9	7.8
1.0	15.0	0.0	2.0	0.0	-115.2	242.0	240.5	3.5
1.0	15.0	0.0	0.0	0.0	-64.9	131.8	131.8	1.0
1.0	15.0	2.0	0.0	0.0	-68.9	149.4	147.8	0.6
1.0	15.0	0.0	0.0	0.0	-135.7	273.4	273.4	5.8
1.0	15.0	0.0	1.0	0.0	-130.1	271.8	270.3	4.2
1.0	15.0	3.0	0.0	0.0	-125.0	261.6	260.1	7.2
1.0	15.0	3.0	0.0	0.0	-115.4	242.3	240.8	5.6
1.0	15.0	0.0	0.0	0.0	-158.3	318.6	318.5	9.2
1.0	15.0	0.0	3.0	0.0	-129.8	271.1	269.5	5.4
0.7	15.0	2.0	0.0	0.0	-138.5	296.9	292.9	5.8
1.0	15.0	2.0	0.0	0.0	-142.8	297.2	295.6	8.4
1.0	15.0	0.0	0.0	0.0	-152.9	307.8	307.7	8.7
1.0	15.0	0.0	2.0	0.0	-126.8	265.1	263.6	4.8
1.0	15.0	0.0	0.0	0.0	-71.1	144.3	144.2	1.6
1.0	15.0	1.0	0.0	0.0	-83.8	179.1	177.6	9.4
1.0	15.0	0.0	1.0	0.0	-143.8	289.6	289.5	12.2
1.0	15.0	0.0	1.0	0.0	-131.9	275.4	273.9	9.3
1.0	15.0	2.0	0.0	0.0	-118.1	247.8	246.2	4.3
1.0	15.0	2.0	0.0	0.0	-112.4	236.3	234.8	10.4
1.0	15.0	0.0	1.0	0.0	-164.3	330.7	330.6	9.8
1.0	15.0	0.0	1.0	0.0	-130.6	272.7	271.1	4.1
1.0	15.0	0.0	0.0	0.0	-115.8	233.8	233.7	3.5
1.0	15.0	1.0	0.0	0.0	-104.2	220.0	218.4	1.9
1.0	15.0	0.0	0.0	0.0	-163.8	329.6	329.5	8.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-131.8	275.1	273.5	6.0
0.6	15.0	4.0	0.0	0.0	-168.7	357.4	353.4	29.8
0.9	15.0	4.0	0.0	0.0	-155.0	321.6	320.1	21.8
1.0	15.0	0.0	2.0	0.0	-144.3	300.1	298.5	6.1
1.0	15.0	0.0	2.0	0.0	-119.8	259.7	255.7	3.4
0.9	15.0	3.0	0.0	0.0	-167.5	354.9	350.9	18.1
1.0	15.0	3.0	0.0	0.0	-159.9	339.8	335.8	12.0
1.0	15.0	0.0	0.0	0.0	-135.1	272.2	272.1	5.2
1.0	15.0	1.0	0.0	0.0	-152.4	316.3	314.7	7.5
1.0	15.0	2.0	1.0	0.0	-187.1	394.2	390.2	23.3
1.0	15.0	1.0	1.0	0.0	-142.0	304.0	300.0	11.5
1.0	15.0	0.0	1.0	0.0	-159.3	330.2	328.7	9.3
1.0	15.0	0.0	2.0	0.0	-126.7	264.9	263.4	5.0
1.0	15.0	4.0	0.0	0.0	-130.5	272.6	271.0	7.8
1.0	15.0	4.0	0.0	0.0	-132.0	275.6	274.1	7.9
1.0	15.0	0.0	2.0	0.0	-154.4	320.3	318.8	7.8
1.0	15.0	0.0	0.0	0.0	-160.5	323.0	323.0	9.3
1.0	15.0	1.0	0.0	0.0	-153.6	318.7	317.2	8.3
1.0	15.0	1.0	0.0	0.0	-127.7	267.0	265.4	4.7
1.0	15.0	0.0	0.0	0.0	-160.5	323.2	323.1	8.2
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.8	8.5
1.0	15.0	0.0	2.0	0.0	-148.0	307.5	305.9	9.3
1.0	15.0	1.0	0.0	0.0	-139.7	291.0	289.5	6.4
1.0	15.0	0.0	1.0	0.0	-166.2	344.0	342.4	15.9
1.0	15.0	0.0	1.0	0.0	-122.1	255.8	254.2	16.5
0.9	15.0	2.0	1.0	0.0	-169.5	359.1	355.0	13.0
1.0	15.0	2.0	1.0	0.0	-142.0	304.2	300.0	17.4
1.0	15.0	0.0	1.0	0.0	-162.3	336.1	334.5	8.3
1.0	15.0	0.0	2.0	0.0	-116.1	243.8	242.2	3.2
1.0	15.0	0.0	0.0	0.0	-56.7	115.5	115.4	0.6
1.0	15.0	1.0	0.0	0.0	-83.7	178.9	177.4	3.6
1.0	15.0	0.0	3.0	0.0	-165.3	342.1	340.5	13.7
1.0	15.0	0.0	0.0	0.0	-129.7	261.6	261.5	4.5
1.0	15.0	3.0	0.0	0.0	-149.2	309.9	308.4	11.0
1.0	15.0	3.0	0.0	0.0	-118.8	249.0	247.5	3.9
1.0	15.0	0.0	0.0	0.0	-137.5	277.2	277.1	6.0
0.8	15.0	0.0	1.0	0.0	-128.5	268.6	267.1	4.7
1.0	15.0	1.0	0.0	0.0	-142.2	295.9	294.4	11.6
1.0	15.0	1.0	0.0	0.0	-112.7	237.0	235.4	10.7
1.0	15.0	0.0	0.0	0.0	-136.0	274.1	274.0	5.0
1.0	15.0	0.0	2.0	0.0	-129.0	269.5	267.9	4.4
0.7	15.0	3.0	0.0	0.0	-156.5	333.1	329.1	10.3
1.0	15.0	2.0	0.0	0.0	-148.5	308.5	307.0	7.7
1.0	15.0	0.0	0.0	0.0	-145.9	293.8	293.7	5.8
1.0	15.0	0.0	1.0	0.0	-122.5	256.5	255.0	3.4
1.0	15.0	6.0	0.0	0.0	-188.4	388.4	386.8	16.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-155.2	321.9	320.4	8.4
1.0	15.0	0.0	0.0	0.0	-174.4	351.0	350.9	12.1
1.0	15.0	0.0	0.0	0.0	-146.6	295.2	295.1	6.1
1.0	15.0	5.0	0.0	0.0	-167.3	346.2	344.7	10.6
1.0	15.0	3.0	0.0	0.0	-161.7	335.0	333.4	9.5
1.0	15.0	0.0	0.0	0.0	-149.2	300.4	300.3	8.3
1.0	15.0	0.0	1.0	0.0	-120.9	253.4	251.9	6.9
0.9	15.0	2.0	0.0	0.0	-145.6	302.7	301.2	10.5
1.0	15.0	3.0	0.0	0.0	-127.6	266.8	265.3	5.5
1.0	15.0	0.0	2.0	0.0	-146.1	303.7	302.1	8.4
1.0	15.0	0.0	2.0	0.0	-132.0	275.6	274.1	8.3
1.0	15.0	3.0	2.0	0.0	-183.7	387.4	383.4	43.6
1.0	15.0	2.0	2.0	0.0	-140.4	300.9	296.9	13.8
1.0	15.0	0.0	2.0	0.0	-146.6	304.8	303.2	8.2
1.0	15.0	0.0	1.0	0.0	-132.8	277.2	275.6	4.4
1.0	15.0	0.0	1.0	0.0	-107.5	226.6	225.1	2.1
1.0	15.0	1.0	0.0	0.0	-105.9	223.3	221.7	3.2
1.0	15.0	0.0	1.0	0.0	-157.5	326.5	325.0	8.0
0.8	15.0	0.0	2.0	0.0	-131.4	274.4	272.9	5.2
1.0	15.0	6.0	0.0	0.0	-177.7	375.4	371.4	14.1
1.0	15.0	7.0	0.0	0.0	-143.5	306.9	302.9	7.5
1.0	15.0	0.0	0.0	0.0	-148.5	299.2	299.1	6.4
1.0	15.0	0.0	1.0	0.0	-120.4	252.3	250.8	4.4
1.0	15.0	2.0	0.0	0.0	-122.6	265.3	261.3	4.2
1.0	15.0	4.0	0.0	0.0	-124.4	260.4	258.8	5.4
1.0	15.0	0.0	0.0	0.0	-145.8	293.7	293.6	7.3
1.0	15.0	0.0	0.0	0.0	-118.8	239.7	239.6	3.7
1.0	15.0	1.0	0.0	0.0	-152.3	316.2	314.6	8.2
1.0	15.0	1.0	0.0	0.0	-127.7	267.0	265.4	4.8
1.0	15.0	0.0	0.0	0.0	-156.5	315.0	314.9	8.0
1.0	15.0	0.0	1.0	0.0	-123.8	259.2	257.7	5.4
1.0	15.0	0.0	0.0	0.0	-65.2	132.6	132.5	0.9
0.7	15.0	1.0	0.0	0.0	-79.0	169.6	168.0	3.3
1.0	15.0	0.0	1.0	0.0	-148.9	309.2	307.7	6.9
1.0	15.0	1.0	4.0	0.0	-138.8	297.6	293.6	5.6
1.0	15.0	6.0	1.0	0.0	-186.7	393.5	389.5	19.7
1.0	15.0	4.0	1.0	0.0	-145.9	311.7	307.7	10.4
1.0	15.0	0.0	0.0	0.0	-158.3	318.8	318.7	9.0
1.0	15.0	0.0	2.0	0.0	-132.4	276.3	274.7	5.0
1.0	15.0	2.0	1.0	0.0	-147.8	315.6	311.6	8.5
1.0	15.0	2.0	0.0	0.0	-135.8	291.7	287.7	8.2
1.0	15.0	0.0	1.0	0.0	-133.4	278.3	276.7	5.3
1.0	15.0	0.0	0.0	0.0	-121.7	245.6	245.5	4.3
1.0	15.0	2.0	0.0	0.0	-107.1	225.8	224.3	2.8
0.9	15.0	2.0	0.0	0.0	-97.9	207.3	205.8	2.5
1.0	15.0	0.0	1.0	0.0	-190.5	383.1	383.0	16.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-100.5	203.0	202.9	2.3
1.0	15.0	2.0	0.0	0.0	-177.1	365.8	364.2	15.8
1.0	15.0	1.0	0.0	0.0	-127.7	266.9	265.3	4.9
1.0	15.0	0.0	0.0	0.0	-159.1	320.3	320.2	8.0
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.8	4.9
1.0	15.0	1.0	0.0	0.0	-165.3	342.2	340.6	10.4
1.0	15.0	1.0	0.0	0.0	-123.1	257.8	256.2	6.1
1.0	15.0	0.0	0.0	0.0	-138.4	278.8	278.7	6.1
1.0	15.0	0.0	0.0	0.0	-137.6	277.3	277.2	5.6
1.0	15.0	2.0	0.0	0.0	-168.4	348.4	346.8	9.8
1.0	15.0	2.0	0.0	0.0	-125.6	262.7	261.2	4.8
1.0	15.0	0.0	0.0	0.0	-178.1	358.2	358.1	11.6
1.0	15.0	0.0	2.0	0.0	-118.2	247.9	246.3	4.0
1.0	15.0	2.0	1.0	0.0	-145.0	310.0	306.0	6.5
1.0	15.0	3.0	0.0	0.0	-115.2	242.0	240.5	3.3
1.0	15.0	0.0	1.0	0.0	-131.7	274.9	273.4	4.9
1.0	15.0	0.0	1.0	0.0	-131.8	275.1	273.6	8.2
1.0	15.0	0.0	0.0	0.0	-92.9	187.9	187.8	3.9
1.0	15.0	1.0	0.0	0.0	-104.4	220.4	218.8	10.7
1.0	15.0	0.0	1.0	0.0	-160.2	331.9	330.4	14.3
1.0	15.0	0.0	1.0	0.0	-108.6	228.8	227.3	2.7
1.0	15.0	0.0	0.0	0.0	-63.5	129.2	129.1	0.9
1.0	15.0	1.0	0.0	0.0	-73.0	157.6	156.1	3.7
1.0	15.0	0.0	1.0	0.0	-122.0	255.5	254.0	3.9
1.0	15.0	0.0	1.0	0.0	-128.2	267.9	266.4	4.5
1.0	15.0	0.0	0.0	0.0	-78.5	159.1	159.0	1.5
1.0	15.0	1.0	0.0	0.0	-89.2	189.9	188.4	5.9
1.0	15.0	0.0	1.0	0.0	-158.6	328.8	327.3	9.7
1.0	15.0	0.0	1.0	0.0	-127.5	266.5	264.9	4.0
1.0	15.0	0.0	0.0	0.0	-83.5	169.1	169.0	6.9
1.0	15.0	1.0	0.0	0.0	-72.3	156.1	154.6	2.9
1.0	15.0	0.0	1.0	0.0	-149.5	310.6	309.0	6.7
1.0	15.0	0.0	2.0	0.0	-120.3	252.1	250.5	3.3
1.0	15.0	0.0	1.0	0.0	-104.6	220.7	219.2	1.9
1.0	15.0	1.0	0.0	0.0	-125.9	263.4	261.8	40.1
1.0	15.0	0.0	2.0	0.0	-147.6	306.7	305.2	6.7
1.0	15.0	0.0	0.0	0.0	-129.6	261.4	261.3	4.9
1.0	15.0	4.0	0.0	0.0	-180.6	372.8	371.2	24.4
1.0	15.0	2.0	0.0	0.0	-132.3	276.2	274.6	8.1
1.0	15.0	0.0	0.0	0.0	-165.5	333.0	332.9	9.8
1.0	15.0	0.0	0.0	0.0	-128.5	259.2	259.1	4.2
1.0	15.0	1.0	0.0	0.0	-165.8	343.1	341.5	11.9
1.0	15.0	1.0	0.0	0.0	-116.1	243.6	242.1	3.9
1.0	15.0	0.0	0.0	0.0	-127.7	257.4	257.3	4.3
1.0	15.0	0.0	0.0	0.0	-132.9	267.8	267.7	4.9
1.0	15.0	1.0	0.0	0.0	-145.4	302.3	300.8	7.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-106.2	223.9	222.4	2.5
1.0	15.0	0.0	0.0	0.0	-160.2	322.4	322.3	9.2
1.0	15.0	0.0	0.0	0.0	-141.6	285.2	285.1	5.6
0.9	15.0	2.0	0.0	0.0	-159.1	329.7	328.2	9.3
1.0	15.0	2.0	0.0	0.0	-137.9	287.3	285.7	5.4
1.0	15.0	0.0	0.0	0.0	-143.8	289.7	289.6	5.4
1.0	15.0	0.0	0.0	0.0	-125.0	252.2	252.1	3.5
1.0	15.0	2.0	0.0	0.0	-110.3	232.2	230.7	3.2
1.0	15.0	2.0	0.0	0.0	-108.2	228.0	226.5	2.4
1.0	15.0	0.0	0.0	0.0	-158.5	319.2	319.1	7.8
1.0	15.0	0.0	1.0	0.0	-113.6	238.8	237.3	2.6
1.0	15.0	2.0	0.0	0.0	-119.1	249.8	248.2	3.0
1.0	15.0	1.0	0.0	0.0	-103.2	217.9	216.3	1.8
1.0	15.0	0.0	0.0	0.0	-175.4	352.8	352.7	11.2
1.0	15.0	0.0	2.0	0.0	-114.0	239.6	238.0	3.2
0.7	15.0	3.0	0.0	0.0	-123.6	267.1	263.1	4.6
1.0	15.0	2.0	0.0	0.0	-110.2	231.9	230.4	2.8
1.0	15.0	0.0	1.0	0.0	-133.2	278.0	276.4	4.8
1.0	15.0	0.0	0.0	0.0	-124.4	250.9	250.8	4.2
1.0	15.0	2.0	0.0	0.0	-115.4	250.8	246.8	3.8
1.0	15.0	2.0	0.0	0.0	-98.9	217.8	213.8	1.6
1.0	15.0	0.0	0.0	0.0	-141.9	285.9	285.8	5.3
1.0	15.0	0.0	3.0	0.0	-131.6	274.7	273.2	5.5
1.0	15.0	5.0	0.0	0.0	-184.8	389.6	385.6	16.8
1.0	15.0	5.0	0.0	0.0	-148.7	317.4	313.4	9.7
1.0	15.0	0.0	1.0	0.0	-170.9	343.9	343.8	11.0
1.0	15.0	0.0	1.0	0.0	-147.7	307.0	305.4	8.5
0.9	15.0	3.0	4.0	0.0	-188.0	396.1	392.0	25.0
0.9	15.0	3.0	1.0	0.0	-164.0	348.2	344.1	14.8
1.0	15.0	0.0	5.0	0.0	-155.8	323.2	321.7	8.4
1.0	15.0	0.0	1.0	0.0	-139.2	289.9	288.4	5.3
1.0	15.0	2.0	1.0	0.0	-113.6	247.3	243.3	3.0
1.0	15.0	4.0	0.0	0.0	-117.3	246.2	244.7	3.0
1.0	15.0	0.0	1.0	0.0	-178.7	359.5	359.4	13.0
1.0	15.0	0.0	2.0	0.0	-138.9	289.3	287.8	7.7
1.0	15.0	0.0	3.0	0.0	-105.7	223.0	221.5	2.0
1.0	15.0	1.0	0.0	0.0	-111.0	233.5	232.0	2.7
1.0	15.0	0.0	3.0	0.0	-150.7	312.9	311.4	6.8
1.0	15.0	0.0	7.0	0.0	-160.1	331.8	330.3	13.7
1.0	15.0	1.0	7.0	0.0	-159.7	339.3	335.3	9.1
0.9	15.0	2.0	0.0	0.0	-177.9	375.9	371.9	17.4
1.0	15.0	1.0	7.0	0.0	-184.7	389.8	385.5	28.7
1.0	15.0	0.0	8.0	0.0	-152.7	316.9	315.3	6.8
1.0	15.0	0.0	0.0	0.0	-122.1	246.3	246.2	8.3
1.0	15.0	9.0	0.0	0.0	-123.9	259.2	257.7	5.6
1.0	15.0	0.0	1.0	0.0	-193.0	388.1	388.0	17.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-123.2	248.5	248.4	3.5
1.0	15.0	4.0	0.0	0.0	-116.3	244.1	242.6	3.7
1.0	15.0	3.0	0.0	0.0	-108.3	228.1	226.5	2.5
1.0	15.0	0.0	0.0	0.0	-157.1	316.4	316.3	7.3
1.0	15.0	0.0	2.0	0.0	-138.4	288.4	286.9	5.2
1.0	15.0	1.0	3.0	0.0	-189.1	398.1	394.1	40.8
1.0	15.0	2.0	0.0	0.0	-155.7	331.4	327.4	19.8
1.0	15.0	0.0	2.0	0.0	-160.2	331.9	330.4	12.5
1.0	15.0	1.0	1.0	0.0	-139.8	291.1	289.6	6.5
1.0	15.0	0.0	1.0	0.0	-116.8	245.1	243.5	2.9
1.0	15.0	1.0	1.0	0.0	-121.2	253.8	252.3	6.7
1.0	15.0	0.0	1.0	0.0	-174.2	359.9	358.3	10.6
1.0	15.0	0.0	1.0	0.0	-106.0	223.4	221.9	2.3
1.0	15.0	0.0	0.0	0.0	-77.1	156.3	156.2	2.5
1.0	15.0	1.0	0.0	0.0	-80.4	172.3	170.7	2.9
1.0	15.0	1.0	1.0	0.0	-145.7	303.0	301.5	7.6
1.0	15.0	0.0	1.0	0.0	-140.0	291.6	290.1	5.6
1.0	15.0	0.0	0.0	0.0	-80.8	163.6	163.5	3.0
1.0	15.0	1.0	0.0	0.0	-115.8	243.1	241.6	11.5
1.0	15.0	0.0	2.0	0.0	-189.6	390.8	389.3	16.9
1.0	15.0	0.0	1.0	0.0	-131.1	273.7	272.2	5.1
1.0	15.0	0.0	0.0	0.0	-77.2	156.5	156.4	3.5
1.0	15.0	1.0	0.0	0.0	-70.5	152.5	150.9	1.7
1.0	15.0	0.0	1.0	0.0	-150.7	313.0	311.5	7.6
1.0	15.0	0.0	2.0	0.0	-116.8	245.2	243.7	3.3
1.0	15.0	0.0	1.0	0.0	-107.6	226.8	225.2	2.4
1.0	15.0	1.0	0.0	0.0	-102.3	216.2	214.6	2.5
1.0	15.0	0.0	1.0	0.0	-162.0	335.5	333.9	8.3
1.0	15.0	0.0	3.0	0.0	-143.6	298.7	297.2	5.5
1.0	15.0	1.0	2.0	0.0	-145.3	310.6	306.6	6.1
1.0	15.0	3.0	0.0	0.0	-139.6	290.8	289.3	6.5
1.0	15.0	0.0	2.0	0.0	-153.2	317.9	316.4	7.7
1.0	15.0	0.0	1.0	0.0	-148.4	308.3	306.8	6.3
0.6	15.0	1.0	2.0	0.0	-194.3	408.7	404.7	23.5
0.6	15.0	1.0	1.0	0.0	-152.4	324.8	320.8	10.4
1.0	15.0	0.0	3.0	0.0	-162.8	337.2	335.6	8.7
1.0	15.0	0.0	1.0	0.0	-140.8	293.1	291.5	5.3
1.0	15.0	0.0	0.0	0.0	-126.8	255.8	255.7	4.9
1.0	15.0	2.0	0.0	0.0	-111.0	233.5	232.0	3.0
1.0	15.0	0.0	2.0	0.0	-167.7	346.9	345.3	11.0
1.0	15.0	0.0	2.0	0.0	-137.1	285.7	284.2	5.3
1.0	15.0	0.0	0.0	0.0	-70.8	143.8	143.7	1.1
1.0	15.0	1.0	0.0	0.0	-82.0	175.5	174.0	4.7
1.0	15.0	0.0	3.0	0.0	-183.9	379.4	377.9	16.8
1.0	15.0	0.0	1.0	0.0	-151.9	315.4	313.8	8.7
1.0	15.0	0.0	0.0	0.0	-89.8	181.6	181.5	2.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-115.6	242.7	241.1	7.3
1.0	15.0	0.0	2.0	0.0	-177.4	366.4	364.8	11.7
1.0	15.0	1.0	1.0	0.0	-166.4	344.4	342.8	9.5
1.0	15.0	0.0	0.0	0.0	-88.0	178.1	178.0	1.9
1.0	15.0	1.0	0.0	0.0	-70.4	152.3	150.8	1.3
1.0	15.0	0.0	1.0	0.0	-166.1	343.8	342.3	9.9
1.0	15.0	0.0	2.0	0.0	-116.3	244.2	242.7	3.1
1.0	15.0	2.0	0.0	0.0	-101.4	214.3	212.8	1.7
1.0	15.0	2.0	0.0	0.0	-101.5	214.5	212.9	2.0
1.0	15.0	0.0	1.0	0.0	-173.4	348.9	348.8	15.4
1.0	15.0	0.0	0.0	0.0	-106.5	215.1	215.0	2.9
1.0	15.0	2.0	0.0	0.0	-109.5	230.6	229.1	2.6
1.0	15.0	3.0	0.0	0.0	-99.7	210.9	209.3	1.5
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	7.0
1.0	15.0	0.0	1.0	0.0	-138.4	288.4	286.8	5.5
1.0	15.0	0.0	0.0	0.0	-157.9	318.0	317.9	8.4
1.0	15.0	1.0	0.0	0.0	-143.0	297.6	296.1	5.9
1.0	15.0	0.0	1.0	0.0	-145.3	292.7	292.6	12.8
1.0	15.0	0.0	1.0	0.0	-141.9	295.3	293.8	6.1
1.0	15.0	0.0	0.0	0.0	-82.7	167.6	167.5	1.7
1.0	15.0	1.0	0.0	0.0	-110.9	233.3	231.7	12.3
1.0	15.0	0.0	1.0	0.0	-153.5	318.6	317.1	10.4
1.0	15.0	0.0	0.0	0.0	-158.2	318.5	318.4	9.0
1.0	15.0	1.0	0.0	0.0	-167.6	346.8	345.2	13.2
1.0	15.0	2.0	0.0	0.0	-115.2	241.9	240.4	3.3
1.0	15.0	0.0	0.0	0.0	-165.1	332.3	332.2	9.5
1.0	15.0	0.0	5.0	0.0	-139.3	290.1	288.6	7.1
1.0	15.0	0.0	5.0	0.0	-129.5	270.5	268.9	6.4
1.0	15.0	2.0	0.0	0.0	-127.4	266.4	264.8	5.1
1.0	15.0	0.0	4.0	0.0	-161.0	333.5	332.0	15.1
1.0	15.0	0.0	4.0	0.0	-151.5	314.5	312.9	11.8
0.9	15.0	1.0	4.0	0.0	-207.1	434.2	430.1	51.2
1.0	15.0	1.0	2.0	0.0	-167.0	354.1	350.0	26.6
1.0	15.0	0.0	5.0	0.0	-170.1	351.8	350.3	11.4
0.8	15.0	0.0	4.0	0.0	-141.9	295.3	293.8	6.4
1.0	15.0	0.0	0.0	0.0	-101.7	205.5	205.4	2.8
0.8	15.0	4.0	0.0	0.0	-132.2	275.9	274.3	5.2
1.0	15.0	0.0	4.0	0.0	-176.9	365.3	363.8	11.9
1.0	15.0	0.0	4.0	0.0	-113.7	238.9	237.3	10.7
1.0	15.0	0.0	0.0	0.0	-70.8	143.6	143.5	1.2
1.0	15.0	4.0	0.0	0.0	-121.7	254.9	253.4	14.1
1.0	15.0	0.0	5.0	0.0	-137.5	286.6	285.1	13.6
1.0	15.0	0.0	5.0	0.0	-146.5	304.6	303.0	6.6
1.0	15.0	2.0	0.0	0.0	-107.4	226.4	224.9	2.2
1.0	15.0	5.0	0.0	0.0	-136.7	285.0	283.4	10.8
1.0	15.0	0.0	5.0	0.0	-137.0	285.6	284.1	5.6



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-150.3	312.1	310.6	9.5
1.0	15.0	0.0	0.0	0.0	-68.5	139.1	139.0	1.0
1.0	15.0	4.0	0.0	0.0	-87.4	186.4	184.9	2.2
1.0	15.0	0.0	4.0	0.0	-173.7	358.9	357.3	15.1
1.0	15.0	1.0	5.0	0.0	-132.5	276.6	275.0	5.7
1.0	15.0	0.0	0.0	0.0	-122.3	246.8	246.7	3.9
1.0	15.0	3.0	0.0	0.0	-110.8	233.0	231.5	3.6
1.0	15.0	0.0	5.0	0.0	-144.7	301.0	299.5	7.4
1.0	15.0	0.0	4.0	0.0	-132.3	276.2	274.6	5.7
1.0	15.0	2.0	2.0	0.0	-149.4	318.8	314.8	8.3
0.6	15.0	4.0	0.0	0.0	-166.1	352.2	348.2	17.0
1.0	15.0	0.0	3.0	0.0	-152.9	317.3	315.8	7.6
1.0	15.0	0.0	3.0	0.0	-144.5	300.5	299.0	9.6
1.0	15.0	0.0	2.0	0.0	-188.8	389.2	387.6	23.1
0.8	15.0	2.0	0.0	0.0	-147.4	306.3	304.8	8.3
1.0	15.0	0.0	5.0	0.0	-159.4	330.3	328.8	10.7
1.0	15.0	0.0	3.0	0.0	-161.0	333.6	332.1	9.3
1.0	15.0	0.0	2.0	0.0	-108.5	228.5	227.0	2.2
1.0	15.0	1.0	0.0	0.0	-140.0	291.5	289.9	8.2
1.0	15.0	0.0	4.0	0.0	-177.4	366.3	364.8	12.6
0.9	15.0	0.0	4.0	0.0	-128.1	267.8	266.2	8.9
1.0	15.0	0.0	0.0	0.0	-78.5	159.1	159.0	1.6
1.0	15.0	3.0	0.0	0.0	-107.8	227.0	225.5	11.6
1.0	15.0	0.0	5.0	0.0	-169.7	350.9	349.4	12.2
1.0	15.0	0.0	3.0	0.0	-134.6	280.7	279.2	4.8
1.0	15.0	0.0	0.0	0.0	-97.6	197.2	197.1	3.0
1.0	15.0	3.0	0.0	0.0	-117.4	246.4	244.8	11.4
1.0	15.0	0.0	4.0	0.0	-172.7	356.9	355.3	11.6
1.0	15.0	0.0	3.0	0.0	-128.6	268.7	267.1	5.6
1.0	15.0	0.0	0.0	0.0	-76.8	155.8	155.7	1.8
1.0	15.0	2.0	0.0	0.0	-71.1	153.7	152.2	1.8
1.0	15.0	0.0	3.0	0.0	-166.4	344.3	342.7	10.7
1.0	15.0	0.0	6.0	0.0	-138.7	288.9	287.4	6.1
1.0	15.0	0.0	3.0	0.0	-121.7	255.0	253.5	3.6
1.0	15.0	3.0	0.0	0.0	-158.8	329.1	327.6	28.9
1.0	15.0	0.0	3.0	0.0	-167.2	345.8	344.3	11.4
0.7	15.0	0.0	5.0	0.0	-159.1	338.2	334.2	10.3
1.0	15.0	3.0	0.0	0.0	-161.3	342.6	338.6	11.8
0.7	15.0	5.0	0.0	0.0	-163.4	346.7	342.7	18.5
0.8	15.0	0.0	3.0	0.0	-174.1	359.7	358.2	15.2
1.0	15.0	0.0	3.0	0.0	-126.9	265.3	263.7	13.0
1.0	15.0	0.0	0.0	0.0	-81.4	164.8	164.7	2.1
1.0	15.0	3.0	0.0	0.0	-113.8	239.1	237.6	27.7
0.9	15.0	1.0	4.0	0.0	-170.3	352.2	350.7	14.2
0.9	15.0	0.0	4.0	0.0	-137.1	285.8	284.3	8.8
1.0	15.0	0.0	0.0	0.0	-94.7	191.5	191.4	2.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-129.3	278.6	274.6	13.9
1.0	15.0	0.0	4.0	0.0	-151.7	314.9	313.3	7.0
0.9	15.0	0.0	4.0	0.0	-120.7	253.0	251.5	4.7
1.0	15.0	0.0	2.0	0.0	-123.6	258.8	257.2	4.0
1.0	15.0	2.0	0.0	0.0	-148.8	309.2	307.6	15.5
1.0	15.0	0.0	2.0	0.0	-156.7	324.9	323.3	7.0
1.0	15.0	0.0	0.0	0.0	-119.0	240.0	239.9	3.2
1.0	15.0	3.0	0.0	0.0	-142.8	297.1	295.6	6.9
1.0	15.0	2.0	0.0	0.0	-113.7	239.0	237.4	3.0
1.0	15.0	0.0	0.0	0.0	-134.3	270.7	270.6	4.9
1.0	15.0	0.0	0.0	0.0	-116.5	235.2	235.1	3.5
1.0	15.0	1.0	0.0	0.0	-169.7	351.0	349.5	9.7
1.0	15.0	1.0	0.0	0.0	-109.1	229.7	228.2	2.6
1.0	15.0	0.0	0.0	0.0	-173.7	349.6	349.5	11.9
1.0	15.0	0.0	0.0	0.0	-140.2	282.5	282.4	6.3
1.0	15.0	3.0	1.0	0.0	-198.3	416.5	412.5	50.3
1.0	15.0	2.0	0.0	0.0	-164.8	341.1	339.5	26.0
1.0	15.0	0.0	1.0	0.0	-157.5	326.5	325.0	10.5
1.0	15.0	0.0	1.0	0.0	-116.6	244.8	243.2	3.1
1.0	15.0	1.0	0.0	0.0	-109.2	229.9	228.3	2.7
0.9	15.0	1.0	0.0	0.0	-106.9	225.3	223.7	5.6
1.0	15.0	0.0	1.0	0.0	-157.0	325.4	323.9	7.7
1.0	15.0	0.0	0.0	0.0	-147.5	297.0	296.9	6.5
0.9	15.0	1.0	0.0	0.0	-205.6	413.3	413.2	23.6
1.0	15.0	2.0	0.0	0.0	-186.4	384.3	382.8	19.9
1.0	15.0	0.0	0.0	0.0	-150.5	303.2	303.1	6.5
1.0	15.0	0.0	1.0	0.0	-107.8	227.1	225.5	2.4
1.0	15.0	2.0	0.0	0.0	-138.3	288.1	286.6	6.7
1.0	15.0	2.0	0.0	0.0	-131.1	273.7	272.1	5.3
1.0	15.0	0.0	1.0	0.0	-145.4	293.0	292.9	9.8
1.0	15.0	0.0	4.0	0.0	-134.3	280.2	278.6	5.4
0.7	15.0	3.0	1.0	0.0	-180.8	381.5	377.5	28.7
0.9	15.0	3.0	0.0	0.0	-162.9	337.4	335.8	24.4
1.0	15.0	0.0	1.0	0.0	-153.2	317.9	316.3	11.3
1.0	15.0	0.0	3.0	0.0	-123.7	258.8	257.3	5.9
1.0	15.0	0.0	2.0	0.0	-129.6	270.7	269.1	5.0
1.0	15.0	3.0	0.0	0.0	-127.5	266.6	265.1	6.9
1.0	15.0	0.0	3.0	0.0	-150.8	313.1	311.6	8.0
1.0	15.0	0.0	2.0	0.0	-125.5	262.5	260.9	5.1
1.0	15.0	1.0	1.0	0.0	-148.6	317.2	313.2	20.9
0.6	15.0	1.0	0.0	0.0	-121.1	262.2	258.2	5.9
1.0	15.0	0.0	2.0	0.0	-152.5	316.5	315.0	9.7
1.0	15.0	0.0	1.0	0.0	-134.8	281.2	279.7	4.9
1.0	15.0	0.0	1.0	0.0	-132.2	266.5	266.4	6.3
1.0	15.0	1.0	0.0	0.0	-91.1	193.8	192.2	4.7
1.0	15.0	0.0	2.0	0.0	-139.0	289.4	287.9	6.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-130.9	273.2	271.7	7.0
1.0	15.0	0.0	0.0	0.0	-79.8	161.6	161.5	5.3
1.0	15.0	2.0	0.0	0.0	-115.6	242.8	241.3	17.4
1.0	15.0	0.0	2.0	0.0	-137.5	286.6	285.0	9.0
1.0	15.0	0.0	2.0	0.0	-149.4	310.4	308.8	7.2
1.0	15.0	0.0	0.0	0.0	-84.4	170.9	170.8	2.7
0.5	15.0	2.0	0.0	0.0	-125.0	261.6	260.0	21.8
1.0	15.0	0.0	2.0	0.0	-171.4	354.4	352.9	10.5
1.0	15.0	0.0	2.0	0.0	-140.3	292.2	290.7	5.8
1.0	15.0	0.0	0.0	0.0	-71.3	144.7	144.7	1.4
1.0	15.0	1.0	0.0	0.0	-65.3	142.1	140.5	0.6
1.0	15.0	0.0	2.0	0.0	-147.0	305.5	304.0	10.4
1.0	15.0	0.0	2.0	0.0	-119.3	250.1	248.6	3.9
0.9	15.0	0.0	2.0	0.0	-118.3	248.2	246.7	8.9
1.0	15.0	2.0	0.0	0.0	-138.1	287.7	286.1	31.8
1.0	15.0	0.0	2.0	0.0	-137.4	286.3	284.7	5.7
1.0	15.0	0.0	1.0	0.0	-141.9	295.4	293.9	7.0
1.0	15.0	6.0	1.0	0.0	-186.4	392.9	388.9	25.2
1.0	15.0	5.0	1.0	0.0	-148.6	317.2	313.2	11.4
1.0	15.0	0.0	1.0	0.0	-156.2	323.8	322.3	8.5
1.0	15.0	0.0	2.0	0.0	-140.9	293.4	291.9	5.6
1.0	15.0	1.0	0.0	0.0	-174.3	350.7	350.6	16.2
1.0	15.0	1.0	0.0	0.0	-131.7	275.0	273.4	5.5
1.0	15.0	0.0	1.0	0.0	-172.6	347.3	347.3	12.2
1.0	15.0	0.0	7.0	0.0	-173.8	359.1	357.6	11.7
1.0	15.0	3.0	6.0	0.0	-167.0	354.0	350.0	21.4
0.9	15.0	5.0	0.0	0.0	-197.4	406.4	404.8	26.2
0.9	15.0	0.0	5.0	0.0	-164.6	340.8	339.3	10.2
1.0	15.0	0.0	7.0	0.0	-151.7	315.0	313.4	7.7
0.7	15.0	2.0	8.0	0.0	-236.8	493.7	489.6	54.0
0.6	15.0	3.0	5.0	0.0	-202.8	425.7	421.6	30.3
1.0	15.0	0.0	9.0	0.0	-156.0	323.6	322.1	11.7
1.0	15.0	5.0	2.0	0.0	-160.5	341.0	337.0	8.9
0.5	15.0	2.0	1.0	0.0	-135.1	290.2	286.2	5.2
1.0	15.0	2.0	4.0	0.0	-133.4	286.8	282.8	6.9
1.0	15.0	0.0	5.0	0.0	-180.0	371.7	370.1	19.6
0.9	15.0	0.0	7.0	0.0	-158.7	328.9	327.4	10.5
1.0	15.0	0.0	0.0	0.0	-94.3	190.7	190.6	2.3
1.0	15.0	6.0	0.0	0.0	-156.9	325.3	323.8	16.7
1.0	15.0	0.0	7.0	0.0	-169.3	350.1	348.6	11.6
1.0	15.0	0.0	5.0	0.0	-156.3	324.1	322.6	8.9
1.0	15.0	4.0	0.0	0.0	-164.0	348.0	344.0	14.3
1.0	15.0	6.0	0.0	0.0	-179.4	370.2	368.7	21.8
1.0	15.0	0.0	5.0	0.0	-190.0	391.5	389.9	19.0
1.0	15.0	0.0	5.0	0.0	-171.1	353.7	352.2	11.4
1.0	15.0	0.0	0.0	0.0	-80.8	163.7	163.6	1.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-87.3	186.1	184.6	4.0
1.0	15.0	0.0	6.0	0.0	-178.5	368.5	367.0	14.9
1.0	15.0	0.0	5.0	0.0	-150.4	312.3	310.8	7.7
0.9	15.0	1.0	4.0	0.0	-116.4	244.4	242.9	3.4
1.0	15.0	4.0	0.0	0.0	-153.8	319.1	317.5	15.8
1.0	15.0	0.0	8.0	0.0	-175.5	362.6	361.1	15.0
1.0	15.0	0.0	3.0	0.0	-130.1	271.7	270.2	7.2
1.0	15.0	2.0	1.0	0.0	-149.1	318.3	314.3	12.2
1.0	15.0	3.0	0.0	0.0	-127.9	267.4	265.9	7.4
1.0	15.0	0.0	0.0	0.0	-149.3	300.6	300.5	6.4
1.0	15.0	0.0	3.0	0.0	-113.3	238.2	236.6	2.8
1.0	15.0	0.0	0.0	0.0	-72.4	146.8	146.8	2.5
1.0	15.0	3.0	0.0	0.0	-79.6	170.7	169.1	3.8
1.0	15.0	0.0	4.0	0.0	-141.1	293.7	292.1	5.6
1.0	15.0	0.0	1.0	0.0	-139.7	290.8	289.3	7.4
1.0	15.0	0.0	0.0	0.0	-96.6	195.4	195.3	4.6
1.0	15.0	1.0	0.0	0.0	-95.9	203.3	201.8	4.1
1.0	15.0	0.0	0.0	0.0	-173.3	348.6	348.5	10.7
1.0	15.0	0.0	3.0	0.0	-132.3	276.2	274.6	4.4
1.0	15.0	0.0	1.0	0.0	-147.6	297.3	297.2	9.1
1.0	15.0	1.0	0.0	0.0	-110.1	231.8	230.2	4.2
1.0	15.0	0.0	0.0	0.0	-160.8	323.6	323.5	8.1
1.0	15.0	0.0	4.0	0.0	-133.4	278.4	276.9	5.3
0.8	15.0	6.0	0.0	0.0	-137.6	286.7	285.1	7.0
0.9	15.0	6.0	0.0	0.0	-155.5	322.6	321.1	16.5
1.0	15.0	0.0	5.0	0.0	-152.6	316.7	315.2	8.0
1.0	15.0	0.0	0.0	0.0	-122.9	247.8	247.7	4.3
1.0	15.0	1.0	0.0	0.0	-164.1	339.7	338.1	10.2
1.0	15.0	2.0	0.0	0.0	-124.8	261.1	259.6	4.3
1.0	15.0	0.0	2.0	0.0	-168.2	347.9	346.4	9.9
0.9	15.0	0.0	2.0	0.0	-128.2	267.9	266.4	4.0
1.0	15.0	3.0	0.0	0.0	-162.4	336.2	334.7	12.4
1.0	15.0	2.0	0.0	0.0	-115.7	242.8	241.3	4.9
1.0	15.0	0.0	0.0	0.0	-154.4	310.8	310.7	7.4
1.0	19.0	0.0	5.0	0.0	-247.2	505.1	504.4	3.9
1.0	19.0	5.0	0.0	0.0	-259.2	536.1	534.4	7.7
1.0	19.0	6.0	0.0	0.0	-290.5	591.8	591.1	13.5
1.0	19.0	0.0	3.0	0.0	-273.2	557.0	556.3	5.5
0.9	15.0	0.0	7.0	0.0	-155.4	322.3	320.7	12.4
0.9	15.0	1.0	7.0	0.0	-168.9	357.8	353.8	18.9
1.0	15.0	1.0	2.0	0.0	-165.7	351.3	347.3	18.3
1.0	15.0	0.0	4.0	0.0	-192.1	395.8	394.2	21.0
1.0	15.0	0.0	2.0	0.0	-168.1	347.8	346.2	29.4
1.0	15.0	0.0	0.0	0.0	-68.9	140.0	139.9	1.0
1.0	15.0	2.0	0.0	0.0	-143.0	297.6	296.1	29.0
1.0	15.0	0.0	1.0	0.0	-190.7	393.0	391.4	37.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	6.0	0.0	-119.0	257.9	253.9	3.3
0.7	15.0	6.0	0.0	0.0	-152.3	324.6	320.6	11.8
0.9	15.0	4.0	0.0	0.0	-155.1	321.8	320.3	8.9
1.0	15.0	0.0	8.0	0.0	-198.5	408.6	407.0	19.3
1.0	15.0	0.0	0.0	0.0	-115.5	233.1	233.0	3.3
1.0	15.0	2.0	0.0	0.0	-109.4	230.3	228.8	2.4
1.0	15.0	1.0	0.0	0.0	-100.9	203.8	203.7	4.7
1.0	15.0	0.0	0.0	0.0	-148.8	299.7	299.7	6.5
1.0	15.0	0.0	3.0	0.0	-116.5	244.6	243.0	3.4
1.0	15.0	3.0	0.0	0.0	-163.4	338.4	336.8	9.8
1.0	15.0	3.0	0.0	0.0	-127.8	267.2	265.6	5.0
1.0	15.0	0.0	0.0	0.0	-145.2	292.5	292.4	9.5
1.0	15.0	0.0	2.0	0.0	-117.2	245.9	244.3	4.0
0.9	15.0	4.0	0.0	0.0	-172.6	356.7	355.2	14.5
0.9	15.0	4.0	0.0	0.0	-118.0	256.0	252.0	4.0
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	7.5
1.0	15.0	0.0	0.0	0.0	-133.5	269.1	269.0	4.4
1.0	15.0	2.0	0.0	0.0	-186.3	384.2	382.6	19.8
1.0	15.0	2.0	0.0	0.0	-147.9	307.4	305.9	9.3
1.0	15.0	0.0	0.0	0.0	-154.6	311.3	311.2	7.3
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	4.5
1.0	15.0	2.0	0.0	0.0	-151.4	314.4	312.9	7.6
1.0	15.0	2.0	0.0	0.0	-132.7	277.0	275.4	5.6
1.0	15.0	0.0	0.0	0.0	-152.7	307.4	307.3	7.1
1.0	15.0	0.0	1.0	0.0	-125.7	262.9	261.4	4.9
1.0	15.0	0.0	0.0	0.0	-98.1	198.3	198.2	2.7
0.9	15.0	1.0	0.0	0.0	-107.3	226.1	224.6	3.4
1.0	15.0	0.0	1.0	0.0	-151.1	313.8	312.3	8.0
1.0	15.0	0.0	0.0	0.0	-112.8	227.8	227.7	3.0
1.0	15.0	2.0	0.0	0.0	-135.9	283.5	281.9	8.3
1.0	15.0	2.0	0.0	0.0	-125.1	261.7	260.2	4.5
1.0	15.0	0.0	0.0	0.0	-153.2	308.5	308.4	7.4
1.0	15.0	0.0	0.0	0.0	-134.3	270.8	270.7	4.6
1.0	15.0	3.0	0.0	0.0	-146.7	305.0	303.5	6.4
1.0	15.0	2.0	0.0	0.0	-142.0	295.5	294.0	6.0
1.0	15.0	0.0	0.0	0.0	-174.4	350.8	350.7	11.5
1.0	15.0	2.0	0.0	0.0	-130.8	273.1	271.6	5.4
1.0	15.0	4.0	0.0	0.0	-174.8	361.1	359.6	30.3
1.0	15.0	3.0	0.0	0.0	-143.6	298.7	297.1	11.7
1.0	15.0	0.0	0.0	0.0	-161.6	325.3	325.2	8.5
1.0	15.0	2.0	0.0	0.0	-125.7	262.9	261.3	4.3
1.0	15.0	5.0	0.0	0.0	-171.1	353.8	352.3	30.6
1.0	15.0	4.0	0.0	0.0	-148.0	307.6	306.0	18.0
1.0	15.0	0.0	0.0	0.0	-152.7	307.5	307.4	6.9
0.6	15.0	1.0	0.0	0.0	-114.6	240.7	239.2	3.1
1.0	15.0	3.0	0.0	0.0	-103.5	218.5	217.0	7.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-92.1	195.8	194.2	7.0
1.0	15.0	0.0	0.0	0.0	-105.0	212.0	211.9	3.5
1.0	15.0	2.0	0.0	0.0	-127.9	267.4	265.8	3.9
1.0	15.0	4.0	0.0	0.0	-145.5	302.5	301.0	33.3
1.0	15.0	4.0	0.0	0.0	-129.3	270.0	268.5	18.1
1.0	15.0	0.0	0.0	0.0	-151.0	304.2	304.1	6.3
1.0	15.0	2.0	0.0	0.0	-111.3	234.1	232.6	2.7
1.0	15.0	4.0	0.0	0.0	-130.2	271.9	270.3	11.1
1.0	15.0	3.0	0.0	0.0	-96.5	204.5	202.9	4.7
1.0	15.0	0.0	0.0	0.0	-138.5	279.1	279.0	5.7
0.5	15.0	3.0	0.0	0.0	-124.4	260.4	258.9	3.7
1.0	15.0	3.0	0.0	0.0	-127.2	266.0	264.5	12.1
1.0	15.0	3.0	0.0	0.0	-122.4	256.4	254.9	11.1
1.0	15.0	0.0	0.0	0.0	-155.1	312.3	312.2	7.3
1.0	15.0	0.0	3.0	0.0	-121.1	262.1	258.1	3.8
1.0	15.0	0.0	0.0	0.0	-104.8	211.7	211.6	6.4
1.0	15.0	1.0	0.0	0.0	-97.3	214.6	210.6	9.9
1.0	15.0	0.0	2.0	0.0	-151.9	323.8	319.8	7.8
1.0	15.0	0.0	2.0	0.0	-118.5	248.5	246.9	3.9
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.3	3.9
1.0	15.0	2.0	0.0	0.0	-137.5	286.6	285.1	11.4
1.0	15.0	0.0	2.0	0.0	-134.3	280.1	278.5	4.3
1.0	15.0	0.0	1.0	0.0	-131.9	275.4	273.9	5.5
1.0	15.0	0.0	1.0	0.0	-164.2	340.0	338.5	19.4
0.6	15.0	1.0	1.0	0.0	-137.4	294.8	290.8	8.4
1.0	15.0	0.0	2.0	0.0	-150.4	312.3	310.7	6.7
1.0	15.0	0.0	1.0	0.0	-137.5	286.6	285.1	5.3
1.0	15.0	0.0	1.0	0.0	-111.9	226.0	225.9	6.3
0.7	15.0	1.0	0.0	0.0	-125.1	261.8	260.3	15.0
1.0	15.0	0.0	1.0	0.0	-164.2	339.9	338.4	9.8
1.0	15.0	0.0	1.0	0.0	-106.5	224.6	223.1	4.0
1.0	15.0	0.0	0.0	0.0	-58.2	118.4	118.3	1.0
1.0	15.0	1.0	0.0	0.0	-82.6	176.8	175.2	4.9
1.0	15.0	0.0	2.0	0.0	-128.3	268.1	266.5	5.3
1.0	15.0	0.0	2.0	0.0	-132.3	276.2	274.7	8.8
1.0	15.0	0.0	0.0	0.0	-71.7	145.5	145.4	3.0
1.0	15.0	1.0	0.0	0.0	-122.7	257.0	255.4	15.7
1.0	15.0	0.0	2.0	0.0	-175.1	362.0	360.2	17.1
1.0	15.0	0.0	2.0	0.0	-117.5	246.6	245.0	4.9
1.0	15.0	0.0	0.0	0.0	-72.2	146.5	146.4	1.5
0.9	15.0	1.0	0.0	0.0	-75.4	162.3	160.7	3.1
1.0	15.0	0.0	1.0	0.0	-134.9	281.4	279.8	6.0
1.0	15.0	0.0	2.0	0.0	-137.4	286.3	284.7	5.4
1.0	15.0	1.0	2.0	0.0	-113.8	239.1	237.5	2.6
1.0	15.0	1.0	0.0	0.0	-107.9	227.3	225.8	3.6
1.0	15.0	0.0	1.0	0.0	-164.0	339.6	338.1	9.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-123.3	248.7	248.6	3.8
1.0	15.0	1.0	0.0	0.0	-160.0	331.4	329.9	12.1
1.0	15.0	0.0	0.0	0.0	-120.1	242.2	242.1	3.7
1.0	15.0	0.0	0.0	0.0	-137.7	277.5	277.4	4.7
1.0	15.0	0.0	0.0	0.0	-121.3	244.7	244.6	5.2
1.0	15.0	1.0	0.0	0.0	-171.5	354.6	353.0	16.4
1.0	15.0	1.0	0.0	0.0	-132.6	276.7	275.1	7.7
1.0	15.0	0.0	0.0	0.0	-163.4	328.8	328.7	9.4
1.0	15.0	0.0	0.0	0.0	-116.0	234.0	233.9	4.1
0.6	15.0	1.0	0.0	0.0	-106.7	224.9	223.4	3.5
1.0	15.0	1.0	0.0	0.0	-83.4	178.3	176.8	1.4
1.0	15.0	0.0	0.0	0.0	-156.0	314.0	313.9	7.7
1.0	15.0	0.0	4.0	0.0	-117.4	254.8	250.8	3.7
1.0	15.0	7.0	0.0	0.0	-176.4	364.4	362.8	19.1
1.0	15.0	6.0	0.0	0.0	-139.5	290.6	289.1	14.2
1.0	15.0	0.0	0.0	0.0	-129.4	260.9	260.8	4.9
1.0	15.0	1.0	6.0	0.0	-151.8	323.6	319.6	10.2
1.0	15.0	8.0	0.0	0.0	-184.4	380.3	378.8	48.5
0.8	15.0	6.0	0.0	0.0	-150.1	320.2	316.2	27.8
1.0	15.0	0.0	0.0	0.0	-152.2	306.4	306.3	8.1
1.0	15.0	0.0	0.0	0.0	-125.3	252.6	252.5	4.2
1.0	15.0	2.0	0.0	0.0	-117.9	247.3	245.8	5.7
1.0	15.0	2.0	0.0	0.0	-111.0	233.4	231.9	4.4
1.0	15.0	0.0	0.0	0.0	-138.3	278.8	278.7	6.6
1.0	15.0	0.0	2.0	0.0	-111.5	234.5	232.9	2.7
1.0	15.0	2.0	0.0	0.0	-111.7	234.9	233.3	2.9
1.0	15.0	2.0	0.0	0.0	-102.9	217.3	215.7	3.2
1.0	15.0	0.0	1.0	0.0	-171.3	344.7	344.6	12.1
1.0	15.0	0.0	3.0	0.0	-115.2	242.0	240.5	3.2
1.0	15.0	2.0	1.0	0.0	-152.9	325.8	321.8	11.3
1.0	15.0	2.0	0.0	0.0	-143.1	306.2	302.2	8.8
1.0	15.0	2.0	2.0	0.0	-141.9	303.9	299.9	10.9
1.0	15.0	0.0	2.0	0.0	-145.0	301.5	300.0	9.1
1.0	15.0	4.0	2.0	0.0	-180.5	381.0	377.0	23.7
1.0	15.0	1.0	1.0	0.0	-140.7	301.4	297.4	9.7
1.0	15.0	0.0	3.0	0.0	-152.0	315.6	314.1	9.4
1.0	15.0	0.0	2.0	0.0	-120.7	252.9	251.4	4.6
0.7	15.0	1.0	0.0	0.0	-91.4	202.7	198.7	4.2
0.7	15.0	3.0	0.0	0.0	-109.0	238.1	234.1	3.9
1.0	15.0	0.0	4.0	0.0	-168.1	347.8	346.3	12.6
1.0	15.0	0.0	2.0	0.0	-123.1	257.7	256.1	3.8
1.0	15.0	4.0	0.0	0.0	-136.2	284.0	282.4	12.3
1.0	15.0	3.0	0.0	0.0	-134.3	280.1	278.5	14.6
1.0	15.0	0.0	2.0	0.0	-178.8	369.2	367.7	11.7
1.0	15.0	0.0	2.0	0.0	-115.8	243.1	241.5	4.1
1.0	15.0	4.0	0.0	0.0	-158.4	328.4	326.9	8.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-129.9	271.5	269.9	4.8
1.0	15.0	0.0	0.0	0.0	-156.1	314.4	314.3	7.7
1.0	15.0	0.0	3.0	0.0	-129.3	270.2	268.6	4.8
1.0	15.0	0.0	3.0	0.0	-82.5	176.5	175.0	1.7
1.0	15.0	2.0	0.0	0.0	-94.4	200.3	198.8	4.7
0.9	15.0	0.0	5.0	0.0	-178.1	367.7	366.2	13.3
1.0	15.0	0.0	3.0	0.0	-138.8	289.1	287.5	4.8
1.0	15.0	1.0	2.0	0.0	-119.5	250.6	249.1	3.7
1.0	15.0	3.0	0.0	0.0	-122.9	257.3	255.8	8.5
1.0	15.0	0.0	3.0	0.0	-160.9	333.3	331.7	10.3
1.0	15.0	0.0	4.0	0.0	-150.2	311.8	310.3	12.6
0.7	15.0	4.0	2.0	0.0	-135.5	291.0	287.0	7.1
1.0	15.0	5.0	0.0	0.0	-168.7	348.9	347.4	27.0
1.0	15.0	0.0	4.0	0.0	-160.9	333.3	331.8	17.1
1.0	15.0	0.0	0.0	0.0	-117.5	237.0	236.9	4.1
0.9	15.0	2.0	0.0	0.0	-158.5	328.6	327.1	7.9
1.0	15.0	4.0	0.0	0.0	-123.3	258.1	256.6	3.9
1.0	15.0	0.0	0.0	0.0	-150.9	304.0	303.9	6.8
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	5.4
1.0	15.0	3.0	0.0	0.0	-149.8	311.1	309.6	9.7
1.0	15.0	2.0	0.0	0.0	-122.6	256.8	255.3	3.7
1.0	15.0	0.0	0.0	0.0	-151.3	304.6	304.5	6.3
1.0	15.0	0.0	0.0	0.0	-106.4	215.0	214.9	2.9
1.0	15.0	2.0	0.0	0.0	-123.1	257.8	256.3	4.3
1.0	15.0	2.0	0.0	0.0	-114.2	240.0	238.5	3.3
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.7	4.9
1.0	15.0	0.0	0.0	0.0	-139.4	280.9	280.8	6.1
1.0	15.0	3.0	0.0	0.0	-179.9	371.4	369.8	16.8
1.0	15.0	1.0	0.0	0.0	-151.3	314.2	312.6	14.0
1.0	15.0	0.0	1.0	0.0	-165.8	333.7	333.6	15.1
1.0	15.0	6.0	0.0	0.0	-148.4	308.3	306.7	6.9
1.0	15.0	4.0	0.0	0.0	-148.6	308.7	307.2	28.1
1.0	15.0	3.0	0.0	0.0	-144.5	300.6	299.1	14.9
1.0	15.0	0.0	0.0	0.0	-173.4	348.8	348.7	11.7
1.0	15.0	0.0	0.0	0.0	-118.5	239.0	238.9	3.2
1.0	15.0	3.0	0.0	0.0	-93.2	197.9	196.4	3.8
1.0	15.0	2.0	0.0	0.0	-84.6	180.8	179.3	3.6
1.0	15.0	0.0	0.0	0.0	-156.0	314.0	313.9	8.0
1.0	15.0	0.0	0.0	0.0	-116.1	234.3	234.3	3.0
1.0	15.0	4.0	0.0	0.0	-137.9	287.4	285.8	13.0
1.0	15.0	4.0	0.0	0.0	-123.4	258.3	256.8	8.2
1.0	15.0	0.0	0.0	0.0	-152.9	307.9	307.8	6.3
1.0	15.0	0.0	0.0	0.0	-122.3	246.6	246.5	4.2
1.0	15.0	2.0	0.0	0.0	-102.4	216.3	214.8	4.6
1.0	15.0	2.0	0.0	0.0	-79.0	169.6	168.1	1.8
1.0	15.0	0.0	0.0	0.0	-122.7	247.5	247.4	3.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-98.7	199.6	199.5	2.1
1.0	15.0	3.0	0.0	0.0	-102.1	215.7	214.2	1.7
1.0	15.0	2.0	0.0	0.0	-97.5	206.5	205.0	1.3
1.0	15.0	0.0	1.0	0.0	-188.1	378.3	378.2	15.2
1.0	15.0	0.0	0.0	0.0	-115.7	233.4	233.3	2.9
1.0	15.0	1.0	0.0	0.0	-143.8	299.1	297.6	6.0
1.0	15.0	0.0	0.0	0.0	-140.3	282.8	282.7	5.9
1.0	15.0	0.0	0.0	0.0	-153.6	309.3	309.2	6.9
1.0	15.0	0.0	0.0	0.0	-126.2	254.5	254.4	4.2
1.0	15.0	2.0	0.0	0.0	-147.2	306.0	304.4	6.4
1.0	15.0	2.0	0.0	0.0	-115.6	242.7	241.1	4.6
1.0	15.0	0.0	2.0	0.0	-171.2	353.9	352.3	10.2
1.0	15.0	0.0	0.0	0.0	-131.3	264.7	264.6	4.9
1.0	15.0	4.0	0.0	0.0	-145.2	301.8	300.3	25.1
1.0	15.0	3.0	0.0	0.0	-121.1	253.8	252.2	11.7
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	6.2
1.0	15.0	0.0	0.0	0.0	-94.7	191.5	191.4	2.1
1.0	15.0	2.0	0.0	0.0	-93.5	198.5	197.0	3.4
1.0	15.0	1.0	0.0	0.0	-81.8	175.2	173.6	2.3
1.0	15.0	0.0	0.0	0.0	-120.2	242.5	242.4	4.3
1.0	15.0	0.0	0.0	0.0	-128.8	259.7	259.6	4.1
1.0	15.0	3.0	0.0	0.0	-115.8	243.2	241.7	5.2
1.0	15.0	2.0	0.0	0.0	-105.2	221.9	220.4	2.6
1.0	15.0	0.0	0.0	0.0	-188.3	378.8	378.7	13.9
1.0	15.0	0.0	0.0	0.0	-141.9	285.8	285.7	5.9
1.0	15.0	2.0	0.0	0.0	-96.3	204.2	202.7	3.2
1.0	15.0	1.0	0.0	0.0	-75.6	162.6	161.1	1.5
1.0	15.0	0.0	0.0	0.0	-157.7	317.6	317.5	14.3
1.0	15.0	0.0	0.0	0.0	-131.6	265.3	265.2	4.3
1.0	15.0	3.0	0.0	0.0	-126.4	264.3	262.8	11.7
1.0	15.0	1.0	0.0	0.0	-128.4	268.3	266.8	8.7
1.0	15.0	0.0	0.0	0.0	-146.0	294.1	294.0	7.1
1.0	15.0	0.0	0.0	0.0	-235.6	473.3	473.2	3.5
1.0	15.0	2.0	0.0	0.0	-281.0	572.7	572.0	6.1
1.0	15.0	1.0	0.0	0.0	-255.0	520.6	519.9	5.4
1.0	15.0	0.0	0.0	0.0	-282.5	567.0	567.0	6.1
1.0	15.0	0.0	0.0	0.0	-250.6	503.3	503.2	4.0
1.0	15.0	2.0	0.0	0.0	-340.0	690.7	690.0	22.4
1.0	15.0	2.0	0.0	0.0	-269.0	548.7	548.0	12.3
1.0	15.0	0.0	1.0	0.0	-338.6	679.2	679.2	15.6
1.0	15.0	2.0	0.0	0.0	-237.7	486.1	485.3	3.6
1.0	15.0	5.0	0.0	0.0	-321.3	653.3	652.6	29.7
1.0	15.0	4.0	0.0	0.0	-292.5	595.7	595.0	21.5
1.0	15.0	0.0	0.0	0.0	-343.3	688.7	688.6	11.9
1.0	15.0	0.0	0.0	0.0	-200.1	402.2	402.1	2.9
1.0	15.0	3.0	0.0	0.0	-196.6	403.9	403.2	3.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-176.9	364.5	363.8	2.9
1.0	15.0	0.0	1.0	0.0	-308.5	627.8	627.0	11.1
1.0	15.0	0.0	0.0	0.0	-305.6	613.2	613.1	8.0
1.0	15.0	3.0	0.0	0.0	-270.0	550.8	550.1	17.7
1.0	15.0	2.0	0.0	0.0	-248.6	508.0	507.3	9.7
1.0	15.0	0.0	0.0	0.0	-321.5	645.1	645.0	9.9
1.0	15.0	2.0	0.0	0.0	-250.4	511.4	510.7	4.0
1.0	15.0	3.0	0.0	0.0	-200.5	411.7	411.0	5.5
1.0	15.0	1.0	0.0	0.0	-165.8	342.4	341.7	2.2
1.0	15.0	0.0	0.0	0.0	-305.7	613.4	613.4	8.1
1.0	15.0	0.0	0.0	0.0	-264.4	530.8	530.7	4.6
1.0	15.0	3.0	0.0	0.0	-251.2	513.1	512.4	4.2
1.0	15.0	2.0	0.0	0.0	-222.0	454.7	454.0	2.8
1.0	15.0	0.0	0.0	0.0	-362.1	726.3	726.2	13.3
1.0	15.0	0.0	2.0	0.0	-110.3	232.1	230.6	2.6
1.0	15.0	2.0	0.0	0.0	-129.7	271.0	269.4	5.0
1.0	15.0	1.0	0.0	0.0	-131.4	274.4	272.9	5.7
1.0	15.0	0.0	0.0	0.0	-135.6	273.4	273.3	5.1
1.0	15.0	0.0	7.0	0.0	-143.3	298.2	296.7	7.2
0.7	15.0	4.0	3.0	0.0	-181.4	382.8	378.8	23.4
0.5	15.0	4.0	3.0	0.0	-172.4	364.8	360.8	25.3
0.9	15.0	2.0	0.0	0.0	-166.4	344.3	342.8	10.0
1.0	15.0	0.0	0.0	0.0	-148.1	298.4	298.3	7.6
1.0	15.0	4.0	0.0	0.0	-134.1	288.3	284.3	6.7
1.0	15.0	4.0	0.0	0.0	-118.8	257.6	253.6	5.1
1.0	15.0	0.0	0.0	0.0	-176.6	355.3	355.3	12.6
1.0	15.0	0.0	2.0	0.0	-142.8	297.1	295.6	6.0
1.0	15.0	3.0	0.0	0.0	-169.6	350.7	349.2	13.1
1.0	15.0	3.0	0.0	0.0	-175.1	361.7	360.2	15.1
1.0	15.0	0.0	0.0	0.0	-179.4	360.9	360.8	13.3
1.0	15.0	0.0	5.0	0.0	-117.0	253.9	249.9	3.5
1.0	15.0	5.0	0.0	0.0	-180.4	372.4	370.9	15.1
0.5	15.0	5.0	0.0	0.0	-153.2	326.5	322.5	9.6
1.0	15.0	3.0	0.0	0.0	-157.7	335.3	331.3	10.1
1.0	15.0	0.0	0.0	0.0	-130.2	262.5	262.4	4.7
0.6	15.0	2.0	0.0	0.0	-116.1	252.2	248.2	4.7
1.0	15.0	3.0	0.0	0.0	-111.5	234.6	233.1	3.2
1.0	15.0	0.0	0.0	0.0	-158.1	318.2	318.1	10.2
1.0	15.0	0.0	4.0	0.0	-120.0	251.6	250.0	4.0
1.0	15.0	0.0	2.0	0.0	-122.9	257.3	255.8	3.7
0.9	15.0	2.0	0.0	0.0	-115.4	250.8	246.8	3.4
1.0	15.0	0.0	0.0	0.0	-147.8	297.7	297.6	6.7
1.0	15.0	0.0	2.0	0.0	-135.8	283.1	281.5	7.9
1.0	15.0	4.0	1.0	0.0	-188.1	396.4	392.3	29.4
1.0	15.0	3.0	1.0	0.0	-157.5	335.1	331.0	19.9
1.0	15.0	0.0	2.0	0.0	-147.3	306.2	304.7	7.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-118.1	247.6	246.1	3.7
1.0	15.0	0.0	0.0	0.0	-74.1	150.2	150.1	1.5
1.0	15.0	2.0	0.0	0.0	-89.6	190.7	189.2	5.8
1.0	15.0	0.0	3.0	0.0	-142.4	296.3	294.8	11.1
1.0	15.0	0.0	2.0	0.0	-136.0	283.6	282.1	7.3
1.0	15.0	0.0	0.0	0.0	-94.3	190.7	190.6	2.5
1.0	15.0	2.0	0.0	0.0	-112.3	236.1	234.6	5.8
1.0	15.0	0.0	3.0	0.0	-147.7	306.9	305.4	6.4
0.8	15.0	0.0	3.0	0.0	-138.9	289.3	287.7	6.7
1.0	15.0	0.0	0.0	0.0	-119.5	241.2	241.1	4.2
1.0	15.0	2.0	0.0	0.0	-113.6	238.8	237.3	5.9
1.0	15.0	0.0	3.0	0.0	-164.2	339.9	338.4	14.1
1.0	15.0	0.0	0.0	0.0	-123.7	249.4	249.3	3.8
1.0	15.0	1.0	0.0	0.0	-132.5	276.5	275.0	6.0
1.0	15.0	1.0	0.0	0.0	-114.0	239.4	237.9	4.7
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.6	4.0
0.7	15.0	0.0	3.0	0.0	-118.9	257.8	253.8	3.5
1.0	15.0	4.0	0.0	0.0	-156.3	332.7	328.7	11.1
1.0	15.0	4.0	0.0	0.0	-133.1	286.1	282.1	8.7
1.0	15.0	0.0	0.0	0.0	-151.9	305.8	305.7	7.5
1.0	15.0	0.0	2.0	0.0	-155.8	323.2	321.7	8.5
1.0	15.0	2.0	3.0	0.0	-191.8	403.6	399.6	28.0
1.0	15.0	2.0	3.0	0.0	-156.3	332.5	328.5	10.4
1.0	15.0	0.0	3.0	0.0	-171.5	354.6	353.1	11.4
1.0	15.0	0.0	2.0	0.0	-136.5	284.5	283.0	5.5
1.0	15.0	0.0	0.0	0.0	-64.3	130.7	130.6	0.9
1.0	15.0	1.0	0.0	0.0	-82.0	175.5	174.0	6.2
1.0	15.0	0.0	1.0	0.0	-209.5	430.5	428.9	110.5
1.0	15.0	0.0	2.0	0.0	-139.8	291.1	289.5	6.9
1.0	15.0	0.0	0.0	0.0	-89.9	181.9	181.8	3.2
1.0	15.0	2.0	0.0	0.0	-113.1	237.7	236.2	4.3
1.0	15.0	0.0	4.0	0.0	-174.6	360.7	359.2	11.5
1.0	15.0	0.0	5.0	0.0	-136.2	284.0	282.4	5.5
1.0	15.0	1.0	1.0	0.0	-119.0	249.5	247.9	3.2
1.0	15.0	3.0	0.0	0.0	-130.7	273.0	271.5	4.9
1.0	15.0	0.0	2.0	0.0	-158.2	328.0	326.5	8.4
1.0	15.0	1.0	2.0	0.0	-129.5	270.5	269.0	14.2
1.0	15.0	0.0	2.0	0.0	-148.2	308.0	306.5	6.7
0.9	15.0	1.0	0.0	0.0	-163.9	339.4	337.8	13.2
1.0	15.0	0.0	2.0	0.0	-141.2	294.0	292.5	12.4
1.0	15.0	0.0	2.0	0.0	-147.2	305.9	304.4	7.9
1.0	15.0	3.0	3.0	0.0	-197.3	414.6	410.6	29.5
1.0	15.0	3.0	1.0	0.0	-163.2	346.5	342.5	13.7
1.0	15.0	0.0	3.0	0.0	-148.1	307.7	306.2	8.4
1.0	15.0	0.0	2.0	0.0	-115.6	242.7	241.1	4.5
1.0	15.0	0.0	0.0	0.0	-75.6	153.3	153.2	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-90.8	193.1	191.6	8.3
1.0	15.0	0.0	2.0	0.0	-148.9	309.4	307.9	8.3
1.0	15.0	0.0	1.0	0.0	-124.2	259.9	258.3	9.5
1.0	15.0	0.0	0.0	0.0	-102.5	207.1	207.0	3.6
1.0	15.0	1.0	0.0	0.0	-115.1	241.7	240.1	10.5
1.0	15.0	0.0	3.0	0.0	-159.5	330.6	329.1	9.0
1.0	15.0	0.0	3.0	0.0	-147.1	305.7	304.1	7.2
1.0	15.0	0.0	2.0	0.0	-125.1	261.6	260.1	3.9
1.0	15.0	3.0	0.0	0.0	-139.9	291.3	289.8	24.9
1.0	15.0	0.0	5.0	0.0	-183.5	378.4	376.9	13.6
1.0	15.0	0.0	2.0	0.0	-132.4	276.3	274.8	5.4
1.0	15.0	0.0	3.0	0.0	-162.6	336.7	335.2	8.5
1.0	15.0	2.0	2.0	0.0	-171.7	354.9	353.3	12.3
1.0	15.0	0.0	2.0	0.0	-142.9	297.3	295.8	8.9
1.0	15.0	0.0	5.0	0.0	-159.4	330.3	328.8	10.0
1.0	15.0	3.0	3.0	0.0	-196.7	413.3	409.3	19.8
1.0	15.0	4.0	0.0	0.0	-154.2	328.4	324.4	10.4
1.0	15.0	0.0	4.0	0.0	-143.4	298.4	296.8	7.3
1.0	15.0	2.0	1.0	0.0	-125.8	271.5	267.5	3.8
1.0	15.0	0.0	1.0	0.0	-114.3	240.2	238.6	3.4
1.0	15.0	1.0	1.0	0.0	-137.0	285.6	284.1	12.5
1.0	15.0	0.0	3.0	0.0	-176.9	365.4	363.8	12.7
1.0	15.0	0.0	2.0	0.0	-112.9	237.4	235.9	5.7
0.9	15.0	0.0	2.0	0.0	-71.4	154.4	152.8	0.4
1.0	15.0	2.0	0.0	0.0	-91.8	195.1	193.6	12.0
1.0	15.0	1.0	2.0	0.0	-158.6	328.7	327.2	10.0
1.0	15.0	0.0	2.0	0.0	-121.9	255.2	253.7	7.1
1.0	15.0	0.0	0.0	0.0	-90.9	184.0	183.9	3.6
1.0	15.0	2.0	0.0	0.0	-114.2	239.9	238.3	15.1
1.0	15.0	0.0	3.0	0.0	-159.0	329.5	328.0	10.0
1.0	15.0	0.0	2.0	0.0	-144.0	299.6	298.1	8.2
1.0	15.0	0.0	0.0	0.0	-80.0	162.1	162.0	2.7
0.7	15.0	1.0	0.0	0.0	-76.4	164.3	162.8	1.9
1.0	15.0	0.0	2.0	0.0	-162.7	336.9	335.4	13.1
1.0	15.0	0.0	4.0	0.0	-139.2	289.9	288.4	5.3
1.0	15.0	0.0	2.0	0.0	-119.9	251.3	249.8	3.4
1.0	15.0	4.0	0.0	0.0	-132.5	276.6	275.1	8.0
1.0	15.0	0.0	3.0	0.0	-173.6	358.7	357.2	11.9
1.0	15.0	0.0	1.0	0.0	-153.6	318.7	317.1	8.6
1.0	15.0	2.0	2.0	0.0	-175.3	370.6	366.6	22.0
1.0	15.0	2.0	2.0	0.0	-144.5	309.0	305.0	11.4
1.0	15.0	0.0	2.0	0.0	-145.2	302.0	300.4	6.8
1.0	15.0	0.0	2.0	0.0	-117.0	245.5	244.0	5.3
1.0	15.0	0.0	0.0	0.0	-77.5	157.1	157.0	1.6
1.0	15.0	1.0	0.0	0.0	-90.3	192.2	190.6	9.8
1.0	15.0	0.0	2.0	0.0	-153.3	318.2	316.6	13.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-122.9	257.3	255.8	4.2
1.0	15.0	0.0	0.0	0.0	-101.5	205.1	205.0	2.3
1.0	15.0	1.0	0.0	0.0	-82.4	176.3	174.8	2.4
1.0	15.0	0.0	2.0	0.0	-150.2	311.9	310.3	6.9
1.0	15.0	0.0	4.0	0.0	-139.4	290.3	288.8	8.0
1.0	15.0	2.0	1.0	0.0	-123.4	258.2	256.7	3.7
1.0	15.0	2.0	0.0	0.0	-138.6	288.8	287.3	12.6
1.0	15.0	0.0	1.0	0.0	-166.1	343.7	342.2	9.7
1.0	15.0	0.0	0.0	0.0	-124.5	251.1	251.0	4.0
1.0	15.0	2.0	0.0	0.0	-159.4	330.4	328.9	9.0
1.0	15.0	2.0	0.0	0.0	-120.4	252.3	250.7	3.6
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	4.9
1.0	15.0	0.0	0.0	0.0	-117.2	236.4	236.3	4.3
1.0	15.0	3.0	0.0	0.0	-117.6	246.7	245.2	3.2
1.0	15.0	2.0	0.0	0.0	-112.0	235.6	234.0	2.7
1.0	15.0	0.0	0.0	0.0	-136.7	275.5	275.4	5.3
1.0	15.0	0.0	0.0	0.0	-135.7	273.4	273.4	5.0
1.0	15.0	2.0	0.0	0.0	-152.4	316.3	314.7	7.0
1.0	15.0	2.0	0.0	0.0	-140.4	292.4	290.9	5.0
1.0	15.0	0.0	0.0	0.0	-144.4	290.8	290.7	6.8
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	4.5
1.0	15.0	1.0	0.0	0.0	-153.0	317.5	315.9	8.6
1.0	15.0	1.0	0.0	0.0	-120.8	253.2	251.6	4.3
1.0	15.0	0.0	0.0	0.0	-163.7	329.6	329.5	8.6
1.0	15.0	0.0	0.0	0.0	-105.1	212.2	212.1	2.3
1.0	15.0	1.0	0.0	0.0	-152.6	316.7	315.2	7.2
1.0	15.0	1.0	0.0	0.0	-119.6	250.7	249.2	3.4
1.0	15.0	0.0	0.0	0.0	-171.2	344.5	344.4	10.3
1.0	15.0	0.0	2.0	0.0	-133.8	279.1	277.5	4.3
1.0	15.0	0.0	0.0	0.0	-65.0	132.2	132.1	0.9
1.0	15.0	2.0	0.0	0.0	-72.9	157.4	155.8	1.4
1.0	15.0	3.0	2.0	0.0	-165.1	350.3	346.3	10.9
1.0	15.0	0.0	2.0	0.0	-125.3	262.1	260.6	4.8
1.0	15.0	0.0	0.0	0.0	-111.9	225.8	225.7	48.8
1.0	15.0	2.0	0.0	0.0	-114.2	239.9	238.4	31.1
1.0	15.0	0.0	0.0	0.0	-172.7	347.5	347.5	10.5
0.8	15.0	0.0	5.0	0.0	-137.7	287.0	285.4	6.1
1.0	15.0	6.0	0.0	0.0	-176.8	365.2	363.6	22.6
1.0	15.0	6.0	0.0	0.0	-147.4	306.3	304.8	17.0
1.0	15.0	0.0	0.0	0.0	-137.7	277.4	277.4	5.2
1.0	15.0	0.0	2.0	0.0	-128.2	268.0	266.4	9.7
1.0	15.0	0.0	0.0	0.0	-68.1	138.3	138.2	1.0
0.9	15.0	2.0	0.0	0.0	-96.5	204.5	203.0	8.3
1.0	15.0	0.0	3.0	0.0	-143.6	307.2	303.2	10.8
1.0	15.0	0.0	3.0	0.0	-127.5	275.0	271.0	4.6
1.0	15.0	3.0	1.0	0.0	-175.7	371.3	367.3	18.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	1.0	0.0	-143.8	307.6	303.6	12.8
1.0	15.0	0.0	1.0	0.0	-163.5	329.2	329.1	11.7
1.0	15.0	0.0	4.0	0.0	-141.6	294.8	293.3	5.8
1.0	15.0	0.0	0.0	0.0	-115.0	232.1	232.0	3.0
1.0	15.0	2.0	0.0	0.0	-109.6	230.7	229.1	4.9
1.0	15.0	0.0	1.0	0.0	-162.3	326.6	326.6	10.6
1.0	15.0	0.0	0.0	0.0	-144.6	291.3	291.2	5.5
1.0	15.0	1.0	0.0	0.0	-168.3	348.2	346.6	13.7
1.0	15.0	2.0	0.0	0.0	-127.8	267.1	265.6	4.6
1.0	15.0	0.0	0.0	0.0	-143.5	289.1	289.1	6.4
1.0	15.0	0.0	1.0	0.0	-126.5	264.6	263.1	5.1
1.0	15.0	0.0	0.0	0.0	-107.2	216.5	216.4	5.9
1.0	15.0	1.0	0.0	0.0	-126.0	263.5	262.0	10.1
1.0	15.0	0.0	1.0	0.0	-145.4	302.4	300.9	5.6
1.0	15.0	0.0	1.0	0.0	-101.8	205.6	205.5	5.5
0.6	15.0	1.0	0.0	0.0	-130.8	273.2	271.7	10.2
0.7	15.0	1.0	0.0	0.0	-120.8	253.1	251.6	10.9
1.0	15.0	0.0	0.0	0.0	-123.0	248.1	248.0	4.5
1.0	15.0	0.0	0.0	0.0	-129.5	261.1	261.0	4.3
0.9	15.0	1.0	0.0	0.0	-105.0	221.6	220.1	3.2
0.8	15.0	1.0	0.0	0.0	-103.0	217.5	215.9	3.4
1.0	15.0	0.0	1.0	0.0	-168.4	338.8	338.7	10.4
1.0	15.0	0.0	1.0	0.0	-121.0	253.6	252.0	3.7
1.0	15.0	2.0	0.0	0.0	-136.6	284.8	283.2	5.6
1.0	15.0	2.0	0.0	0.0	-129.2	269.9	268.3	5.2
1.0	15.0	0.0	0.0	0.0	-131.5	265.2	265.1	4.8
1.0	15.0	0.0	0.0	0.0	-122.3	246.8	246.7	4.8
1.0	15.0	1.0	0.0	0.0	-156.0	323.6	322.1	8.7
1.0	15.0	1.0	0.0	0.0	-136.8	285.2	283.6	6.2
1.0	15.0	0.0	0.0	0.0	-134.7	271.4	271.3	5.2
1.0	15.0	0.0	1.0	0.0	-115.4	242.4	240.9	3.7
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	6.9
1.0	15.0	2.0	0.0	0.0	-122.6	256.8	255.3	3.5
1.0	15.0	0.0	1.0	0.0	-153.9	309.9	309.8	11.6
1.0	15.0	0.0	4.0	0.0	-129.7	270.9	269.4	4.1
1.0	15.0	3.0	1.0	0.0	-181.9	383.7	379.7	21.4
1.0	15.0	4.0	0.0	0.0	-166.4	352.8	348.8	15.9
1.0	15.0	0.0	3.0	0.0	-154.0	319.6	318.1	8.6
1.0	15.0	0.0	2.0	0.0	-118.1	247.7	246.2	3.1
1.0	15.0	2.0	1.0	0.0	-146.8	313.5	309.5	6.8
1.0	15.0	2.0	0.0	0.0	-138.4	288.4	286.9	6.9
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.7	6.8
0.8	15.0	0.0	4.0	0.0	-138.0	295.9	291.9	6.2
1.0	15.0	3.0	1.0	0.0	-164.5	348.9	344.9	16.0
1.0	15.0	4.0	0.0	0.0	-156.9	333.8	329.8	12.1
1.0	15.0	0.0	2.0	0.0	-165.0	341.5	340.0	10.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-133.0	277.5	275.9	5.3
1.0	15.0	0.0	0.0	0.0	-101.7	205.6	205.5	3.0
1.0	15.0	1.0	0.0	0.0	-103.5	218.6	217.0	3.6
1.0	15.0	0.0	0.0	0.0	-166.9	335.9	335.8	11.1
1.0	15.0	0.0	2.0	0.0	-104.9	221.3	219.8	2.1
1.0	15.0	0.0	0.0	0.0	-67.4	136.9	136.8	1.1
0.9	15.0	1.0	0.0	0.0	-88.7	188.9	187.3	10.2
1.0	15.0	0.0	2.0	0.0	-136.0	283.5	282.0	4.9
1.0	15.0	0.0	1.0	0.0	-122.9	257.3	255.7	5.9
1.0	15.0	0.0	0.0	0.0	-88.1	178.3	178.2	2.0
0.6	15.0	1.0	0.0	0.0	-86.4	184.4	182.8	8.4
1.0	15.0	0.0	0.0	0.0	-193.1	388.3	388.2	21.2
1.0	15.0	0.0	1.0	0.0	-136.4	284.4	282.9	5.4
1.0	15.0	0.0	0.0	0.0	-120.6	243.2	243.1	3.3
0.6	15.0	1.0	0.0	0.0	-107.5	226.5	225.0	3.4
1.0	15.0	0.0	1.0	0.0	-166.4	334.8	334.7	13.2
1.0	15.0	0.0	1.0	0.0	-117.5	246.5	245.0	3.2
1.0	15.0	0.0	0.0	0.0	-64.8	131.6	131.5	1.4
0.8	15.0	1.0	0.0	0.0	-80.6	172.8	171.2	1.6
1.0	15.0	0.0	0.0	0.0	-144.6	291.3	291.2	8.6
1.0	15.0	0.0	0.0	0.0	-126.9	256.0	255.9	4.9
1.0	15.0	3.0	0.0	0.0	-163.9	339.4	337.8	11.7
1.0	15.0	2.0	0.0	0.0	-134.7	281.0	279.5	5.6
1.0	15.0	0.0	0.0	0.0	-134.4	270.9	270.8	5.2
1.0	15.0	0.0	0.0	0.0	-138.1	278.2	278.1	7.1
1.0	15.0	2.0	0.0	0.0	-164.9	349.8	345.8	19.1
1.0	15.0	1.0	0.0	0.0	-142.7	305.4	301.4	9.3
1.0	15.0	0.0	2.0	0.0	-130.1	271.7	270.2	5.0
1.0	15.0	0.0	0.0	0.0	-120.1	242.3	242.3	3.3
1.0	15.0	1.0	0.0	0.0	-137.1	285.8	284.3	5.1
1.0	15.0	1.0	0.0	0.0	-129.8	271.1	269.6	4.2
1.0	15.0	0.0	0.0	0.0	-139.2	280.5	280.4	5.8
1.0	15.0	0.0	0.0	0.0	-115.8	233.6	233.6	3.8
1.0	15.0	3.0	0.0	0.0	-111.9	235.4	233.9	4.4
1.0	15.0	2.0	0.0	0.0	-105.8	223.1	221.5	2.8
1.0	15.0	0.0	0.0	0.0	-171.4	344.8	344.7	9.7
1.0	15.0	0.0	0.0	0.0	-103.9	210.0	209.9	2.5
1.0	15.0	2.0	0.0	0.0	-156.8	325.1	323.6	25.9
1.0	15.0	2.0	0.0	0.0	-124.6	260.8	259.2	12.4
1.0	15.0	0.0	0.0	0.0	-169.6	341.3	341.2	10.6
0.8	15.0	0.0	3.0	0.0	-123.8	267.7	263.7	5.0
1.0	15.0	2.0	2.0	0.0	-162.0	344.1	340.1	14.1
1.0	15.0	2.0	0.0	0.0	-153.8	327.7	323.7	15.6
1.0	15.0	1.0	0.0	0.0	-166.3	334.6	334.5	12.9
1.0	15.0	0.0	0.0	0.0	-131.7	265.4	265.3	5.9
1.0	15.0	4.0	0.0	0.0	-121.3	254.1	252.5	7.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-109.6	230.7	229.1	5.6
0.9	15.0	0.0	2.0	0.0	-168.2	348.0	346.4	9.8
1.0	15.0	0.0	3.0	0.0	-129.1	269.8	268.3	4.2
1.0	15.0	2.0	0.0	0.0	-118.1	247.6	246.1	5.9
1.0	15.0	1.0	0.0	0.0	-123.1	257.7	256.1	7.4
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	7.0
1.0	15.0	0.0	2.0	0.0	-111.4	234.3	232.8	3.1
1.0	15.0	2.0	2.0	0.0	-128.6	277.1	273.1	5.0
1.0	15.0	0.0	0.0	0.0	-130.6	263.3	263.2	4.8
1.0	15.0	0.0	1.0	0.0	-130.2	262.6	262.5	7.2
1.0	15.0	0.0	2.0	0.0	-137.9	287.4	285.8	6.4
1.0	15.0	2.0	2.0	0.0	-181.7	383.5	379.4	27.0
1.0	15.0	0.0	1.0	0.0	-160.9	323.9	323.8	14.3
1.0	15.0	0.0	2.0	0.0	-167.0	345.5	344.0	10.9
1.0	15.0	0.0	1.0	0.0	-107.2	226.0	224.5	3.9
1.0	15.0	0.0	0.0	0.0	-58.3	118.8	118.7	0.8
1.0	15.0	1.0	0.0	0.0	-80.5	172.5	170.9	4.7
1.0	15.0	0.0	2.0	0.0	-148.1	307.8	306.2	7.8
1.0	15.0	0.0	2.0	0.0	-126.7	264.9	263.4	4.5
0.5	15.0	2.0	0.0	0.0	-106.3	224.1	222.5	4.2
1.0	15.0	2.0	0.0	0.0	-111.7	235.0	233.5	4.1
1.0	15.0	0.0	2.0	0.0	-145.3	302.2	300.7	7.9
1.0	15.0	0.0	1.0	0.0	-131.2	273.9	272.4	4.3
0.9	15.0	1.0	0.0	0.0	-106.8	233.6	229.6	2.2
1.0	15.0	1.0	0.0	0.0	-106.3	224.2	222.7	3.4
1.0	15.0	0.0	1.0	0.0	-139.2	290.0	288.4	4.7
1.0	15.0	0.0	4.0	0.0	-122.1	255.8	254.2	3.9
0.6	15.0	7.0	0.0	0.0	-178.6	377.3	373.2	15.2
1.0	15.0	5.0	0.0	0.0	-141.3	294.1	292.5	7.9
1.0	15.0	0.0	0.0	0.0	-166.8	335.7	335.6	9.1
1.0	15.0	0.0	0.0	0.0	-132.9	267.9	267.8	4.7
1.0	15.0	3.0	0.0	0.0	-130.8	273.1	271.6	5.7
1.0	15.0	2.0	0.0	0.0	-118.7	249.0	247.4	3.6
1.0	15.0	0.0	0.0	0.0	-147.0	296.1	296.0	6.4
1.0	15.0	0.0	3.0	0.0	-143.6	298.7	297.2	6.0
1.0	15.0	0.0	4.0	0.0	-118.1	247.8	246.3	7.4
1.0	15.0	1.0	0.0	0.0	-126.4	264.3	262.7	8.4
1.0	15.0	0.0	0.0	0.0	-177.9	357.8	357.7	11.9
1.0	15.0	0.0	3.0	0.0	-114.4	240.4	238.8	3.3
1.0	15.0	0.0	2.0	0.0	-78.1	167.8	166.3	0.9
1.0	15.0	1.0	0.0	0.0	-80.6	172.7	171.2	3.5
1.0	15.0	0.0	0.0	0.0	-112.5	227.0	226.9	2.9
1.0	15.0	0.0	4.0	0.0	-151.7	314.9	313.3	6.7
1.0	15.0	0.0	3.0	0.0	-97.7	207.0	205.5	1.5
1.0	15.0	1.0	0.0	0.0	-114.7	240.9	239.4	5.6
1.0	15.0	0.0	0.0	0.0	-178.6	359.4	359.3	12.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-142.0	295.5	293.9	6.6
1.0	15.0	0.0	0.0	0.0	-89.0	180.1	180.0	1.9
1.0	15.0	1.0	0.0	0.0	-72.6	156.7	155.1	1.2
1.0	15.0	0.0	0.0	0.0	-145.8	293.7	293.6	8.2
1.0	15.0	0.0	3.0	0.0	-126.3	264.1	262.6	4.0
1.0	15.0	0.0	2.0	0.0	-111.3	234.1	232.6	2.5
1.0	15.0	2.0	0.0	0.0	-100.9	213.4	211.9	1.9
1.0	15.0	0.0	0.0	0.0	-169.3	340.6	340.5	10.5
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	4.6
1.0	15.0	2.0	0.0	0.0	-148.6	308.8	307.3	8.5
1.0	15.0	2.0	0.0	0.0	-117.5	246.6	245.1	4.3
1.0	15.0	0.0	0.0	0.0	-133.5	269.1	269.0	6.0
1.0	15.0	0.0	3.0	0.0	-126.8	265.1	263.6	5.9
1.0	15.0	0.0	0.0	0.0	-74.0	150.0	149.9	1.5
1.0	15.0	3.0	0.0	0.0	-105.6	222.7	221.2	9.3
1.0	15.0	0.0	3.0	0.0	-134.0	279.6	278.1	6.3
1.0	15.0	0.0	0.0	0.0	-115.0	232.1	232.0	4.3
1.0	15.0	1.0	0.0	0.0	-156.1	323.8	322.2	13.7
1.0	15.0	1.0	0.0	0.0	-125.3	262.2	260.6	5.6
1.0	15.0	0.0	0.0	0.0	-152.0	306.0	305.9	7.2
1.0	15.0	0.0	2.0	0.0	-126.6	264.7	263.2	4.5
1.0	15.0	4.0	0.0	0.0	-117.2	254.4	250.4	5.7
1.0	15.0	4.0	0.0	0.0	-109.8	231.2	229.6	2.8
1.0	15.0	0.0	2.0	0.0	-144.1	299.8	298.3	6.0
0.9	15.0	0.0	3.0	0.0	-120.7	253.0	251.4	3.9
1.0	15.0	3.0	0.0	0.0	-167.6	346.9	345.3	11.2
1.0	15.0	2.0	0.0	0.0	-129.2	269.9	268.4	4.5
1.0	15.0	0.0	0.0	0.0	-146.8	295.6	295.5	6.0
1.0	15.0	0.0	0.0	0.0	-157.6	317.3	317.2	11.0
1.0	15.0	2.0	1.0	0.0	-158.0	335.9	331.9	21.3
1.0	15.0	2.0	1.0	0.0	-136.2	292.3	288.3	17.5
1.0	15.0	0.0	1.0	0.0	-159.4	330.4	328.9	8.5
1.0	15.0	0.0	2.0	0.0	-107.6	226.7	225.2	14.4
1.0	15.0	0.0	0.0	0.0	-75.5	153.2	153.1	4.3
1.0	15.0	2.0	0.0	0.0	-87.0	194.0	190.0	6.9
0.9	15.0	2.0	2.0	0.0	-139.5	299.1	295.1	20.9
1.0	15.0	0.0	2.0	0.0	-120.7	252.9	251.3	4.5
1.0	15.0	1.0	0.0	0.0	-111.3	242.5	238.5	3.2
0.7	15.0	3.0	0.0	0.0	-103.0	226.0	222.0	3.1
0.9	15.0	3.0	4.0	0.0	-186.6	384.8	383.3	20.5
0.9	23.0	0.0	5.0	0.0	-271.5	553.6	552.9	6.9
1.0	23.0	4.0	0.0	0.0	-291.9	601.6	599.8	16.4
0.7	23.0	7.0	0.0	0.0	-289.1	595.9	594.1	17.8
1.0	23.0	0.0	5.0	0.0	-325.2	661.0	660.3	11.2
1.0	15.0	0.0	2.0	0.0	-272.0	554.7	554.0	6.0
1.0	15.0	2.0	0.0	0.0	-290.5	591.7	591.0	7.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-294.0	598.7	598.0	8.8
1.0	15.0	0.0	0.0	0.0	-265.5	533.1	533.0	5.1
1.0	15.0	0.0	0.0	0.0	-254.3	510.6	510.6	4.0
1.0	15.0	1.0	0.0	0.0	-339.1	688.9	688.2	10.6
1.0	15.0	1.0	0.0	0.0	-262.5	535.8	535.1	5.2
1.0	15.0	0.0	0.0	0.0	-307.3	616.7	616.7	8.2
1.0	15.0	0.0	2.0	0.0	-137.4	286.3	284.8	6.8
0.5	15.0	4.0	0.0	0.0	-154.7	329.3	325.3	9.4
1.0	15.0	3.0	0.0	0.0	-148.0	307.6	306.1	7.4
1.0	15.0	0.0	0.0	0.0	-135.0	272.0	271.9	5.1
1.0	15.0	0.0	2.0	0.0	-117.1	245.7	244.2	3.2
1.0	15.0	0.0	0.0	0.0	-120.3	242.8	242.7	4.9
0.9	15.0	2.0	0.0	0.0	-122.2	256.0	254.5	6.7
1.0	15.0	0.0	0.0	0.0	-133.5	269.0	268.9	5.0
1.0	15.0	0.0	3.0	0.0	-124.5	260.5	259.0	4.0
1.0	15.0	1.0	0.0	0.0	-172.9	347.9	347.8	14.4
1.0	15.0	2.0	0.0	0.0	-142.1	295.7	294.1	12.6
1.0	15.0	0.0	0.0	0.0	-145.6	293.2	293.1	6.0
1.0	15.0	0.0	1.0	0.0	-129.9	271.3	269.8	7.9
1.0	15.0	0.0	0.0	0.0	-107.3	216.7	216.6	7.3
1.0	15.0	2.0	0.0	0.0	-109.3	230.1	228.6	5.6
0.7	15.0	0.0	1.0	0.0	-166.0	334.2	334.1	16.5
1.0	15.0	0.0	1.0	0.0	-130.8	263.8	263.7	5.2
1.0	15.0	2.0	0.0	0.0	-104.6	220.7	219.2	2.0
1.0	15.0	1.0	0.0	0.0	-106.0	223.5	222.0	2.4
1.0	15.0	0.0	1.0	0.0	-158.1	318.3	318.2	10.7
1.0	15.0	0.0	1.0	0.0	-117.2	245.9	244.3	3.4
1.0	15.0	1.0	0.0	0.0	-120.7	252.9	251.4	7.7
1.0	15.0	1.0	0.0	0.0	-125.9	263.4	261.8	9.2
1.0	15.0	0.0	0.0	0.0	-146.1	294.3	294.2	6.6
0.9	15.0	0.0	3.0	0.0	-129.1	269.7	268.1	6.5
1.0	15.0	3.0	1.0	0.0	-159.9	339.8	335.8	11.9
1.0	15.0	2.0	0.0	0.0	-143.6	307.2	303.2	10.3
1.0	15.0	0.0	0.0	0.0	-144.9	291.9	291.8	7.0
1.0	15.0	0.0	0.0	0.0	-153.2	308.5	308.4	10.1
1.0	15.0	3.0	0.0	0.0	-113.0	237.6	236.1	6.3
1.0	15.0	3.0	0.0	0.0	-107.9	227.4	225.8	2.9
0.9	15.0	0.0	1.0	0.0	-179.3	360.8	360.7	17.9
0.9	15.0	0.0	2.0	0.0	-122.3	256.1	254.6	5.0
1.0	15.0	3.0	0.0	0.0	-170.3	352.1	350.5	11.7
1.0	15.0	2.0	0.0	0.0	-131.1	273.7	272.2	5.5
1.0	15.0	0.0	0.0	0.0	-132.9	267.8	267.7	5.0
1.0	15.0	0.0	0.0	0.0	-130.5	263.2	263.1	5.0
1.0	15.0	1.0	0.0	0.0	-181.6	374.7	373.2	14.8
1.0	15.0	1.0	0.0	0.0	-162.8	337.2	335.7	8.5
1.0	15.0	0.0	0.0	0.0	-183.0	368.0	367.9	13.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-116.7	235.5	235.4	5.8
0.9	15.0	1.0	1.0	0.0	-194.3	408.6	404.6	42.7
0.9	15.0	2.0	1.0	0.0	-155.9	331.8	327.8	21.2
1.0	15.0	0.0	1.0	0.0	-148.7	309.0	307.5	9.2
1.0	15.0	0.0	2.0	0.0	-117.3	246.1	244.6	3.8
1.0	15.0	0.0	0.0	0.0	-150.6	303.3	303.2	13.0
1.0	15.0	1.0	0.0	0.0	-140.5	292.5	291.0	7.6
1.0	15.0	0.0	0.0	0.0	-149.1	300.3	300.2	7.4
1.0	15.0	0.0	0.0	0.0	-143.6	289.2	289.1	5.7
0.7	15.0	9.0	0.0	0.0	-163.5	347.0	343.0	11.4
1.0	15.0	9.0	0.0	0.0	-147.1	305.7	304.2	7.3
1.0	15.0	0.0	0.0	0.0	-151.8	305.6	305.6	7.5
1.0	15.0	0.0	6.0	0.0	-121.9	255.4	253.9	3.7
0.7	15.0	7.0	0.0	0.0	-137.4	294.9	290.9	7.8
0.7	15.0	7.0	0.0	0.0	-140.2	300.5	296.5	10.3
1.0	15.0	0.0	0.0	0.0	-161.2	324.5	324.4	8.3
1.0	15.0	0.0	4.0	0.0	-142.3	296.0	294.5	6.0
1.0	15.0	6.0	0.0	0.0	-154.6	320.6	319.1	7.9
0.9	15.0	5.0	0.0	0.0	-153.9	319.4	317.8	9.9
1.0	15.0	0.0	0.0	0.0	-137.5	277.1	277.0	6.0
1.0	15.0	0.0	2.0	0.0	-119.5	250.6	249.0	3.5
1.0	15.0	2.0	0.0	0.0	-175.3	362.2	360.6	14.5
1.0	15.0	2.0	0.0	0.0	-128.8	269.2	267.6	6.9
1.0	15.0	0.0	0.0	0.0	-153.2	308.5	308.4	7.4
1.0	15.0	0.0	1.0	0.0	-121.6	254.8	253.3	4.0
1.0	15.0	0.0	0.0	0.0	-69.4	140.9	140.8	1.5
1.0	15.0	1.0	0.0	0.0	-77.8	167.2	165.6	2.6
1.0	15.0	0.0	1.0	0.0	-139.6	281.3	281.2	7.9
1.0	15.0	0.0	1.0	0.0	-127.8	267.1	265.5	5.7
1.0	15.0	0.0	0.0	0.0	-81.3	164.7	164.6	1.5
1.0	15.0	1.0	0.0	0.0	-105.4	222.4	220.8	3.3
1.0	15.0	0.0	1.0	0.0	-166.1	343.6	342.1	10.3
1.0	15.0	0.0	2.0	0.0	-109.5	230.6	229.1	2.6
0.9	15.0	2.0	0.0	0.0	-110.4	240.9	236.9	3.7
1.0	15.0	0.0	0.0	0.0	-117.3	236.7	236.6	4.7
1.0	15.0	0.0	1.0	0.0	-173.0	348.0	347.9	12.8
1.0	15.0	0.0	4.0	0.0	-123.1	257.7	256.2	3.6
1.0	15.0	9.0	0.0	0.0	-185.4	390.7	386.7	17.7
1.0	15.0	9.0	0.0	0.0	-173.1	366.2	362.2	17.0
1.0	15.0	0.0	0.0	0.0	-145.4	292.8	292.7	6.0
1.0	15.0	0.0	0.0	0.0	-147.3	296.8	296.7	6.1
0.6	15.0	3.0	0.0	0.0	-135.2	290.4	286.4	5.5
1.0	15.0	3.0	0.0	0.0	-136.4	284.3	282.8	5.5
1.0	15.0	0.0	0.0	0.0	-148.2	298.4	298.3	6.3
1.0	15.0	0.0	0.0	0.0	-142.1	286.3	286.2	5.2
1.0	15.0	6.0	0.0	0.0	-144.5	309.0	305.0	8.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	6.0	0.0	0.0	-119.9	259.9	255.9	4.2
1.0	15.0	0.0	0.0	0.0	-150.7	303.4	303.3	6.7
1.0	15.0	0.0	2.0	0.0	-121.9	255.3	253.8	3.3
1.0	15.0	4.0	0.0	0.0	-168.2	347.8	346.3	11.2
1.0	15.0	3.0	0.0	0.0	-122.1	255.7	254.2	4.1
1.0	15.0	0.0	0.0	0.0	-134.1	270.3	270.2	5.0
1.0	15.0	0.0	0.0	0.0	-126.6	255.3	255.2	3.7
0.6	15.0	2.0	0.0	0.0	-160.1	340.2	336.2	12.9
1.0	15.0	2.0	0.0	0.0	-121.2	262.5	258.5	8.1
1.0	15.0	0.0	0.0	0.0	-133.7	269.6	269.5	4.8
1.0	15.0	0.0	6.0	0.0	-147.2	306.0	304.4	5.7
0.9	15.0	5.0	0.0	0.0	-147.4	314.8	310.8	6.4
0.6	15.0	6.0	0.0	0.0	-149.9	319.9	315.9	6.4
1.0	15.0	0.0	0.0	0.0	-138.3	278.8	278.7	4.8
1.0	15.0	0.0	4.0	0.0	-133.9	287.9	283.9	5.9
1.0	15.0	2.0	2.0	0.0	-164.8	349.7	345.7	15.9
1.0	15.0	2.0	2.0	0.0	-127.4	274.7	270.7	9.1
1.0	15.0	0.0	2.0	0.0	-147.7	306.9	305.4	7.5
1.0	15.0	0.0	3.0	0.0	-135.7	283.0	281.5	4.8
1.0	15.0	0.0	0.0	0.0	-109.6	221.3	221.2	3.1
1.0	15.0	1.0	0.0	0.0	-128.6	268.7	267.2	4.8
1.0	15.0	0.0	1.0	0.0	-178.1	358.3	358.2	13.3
0.9	15.0	0.0	3.0	0.0	-136.9	285.4	283.8	6.7
1.0	15.0	4.0	0.0	0.0	-196.8	405.2	403.7	33.0
1.0	15.0	4.0	0.0	0.0	-184.7	381.0	379.4	28.1
1.0	15.0	0.0	0.0	0.0	-146.9	295.9	295.8	7.2
1.0	15.0	0.0	4.0	0.0	-396.3	809.7	808.6	4.9
1.0	15.0	6.0	0.0	0.0	-546.0	1109.1	1107.9	28.2
1.0	15.0	4.0	0.0	0.0	-458.6	934.4	933.3	15.5
1.0	15.0	0.0	1.0	0.0	-455.5	921.5	921.0	9.6
1.0	15.0	0.0	1.0	0.0	-359.1	728.6	728.2	3.6
1.0	15.0	0.0	0.0	0.0	-190.0	381.9	381.9	1.0
0.9	15.0	1.0	0.0	0.0	-240.6	491.7	491.3	3.4
1.0	15.0	0.0	2.0	0.0	-390.7	791.8	791.4	6.8
1.0	15.0	0.0	1.0	0.0	-409.6	829.6	829.2	5.4
1.0	15.0	0.0	0.0	0.0	-381.1	764.2	764.2	15.0
1.0	15.0	1.0	0.0	0.0	-335.0	680.5	680.1	9.5
1.0	15.0	0.0	2.0	0.0	-498.3	1007.1	1006.6	9.7
1.0	15.0	0.0	3.0	0.0	-119.5	250.6	249.1	3.4
1.0	15.0	3.0	1.0	0.0	-158.0	335.9	331.9	7.7
1.0	15.0	3.0	0.0	0.0	-155.8	331.6	327.6	7.7
1.0	15.0	0.0	1.0	0.0	-131.6	274.8	273.2	4.9
1.0	15.0	0.0	1.0	0.0	-114.1	239.8	238.2	3.4
1.0	15.0	2.0	0.0	0.0	-178.1	376.3	372.3	16.8
0.7	15.0	2.0	0.0	0.0	-150.9	321.8	317.8	8.4
1.0	15.0	0.0	1.0	0.0	-136.4	284.3	282.8	5.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-123.3	258.2	256.7	3.9
1.0	15.0	0.0	0.0	0.0	-60.8	123.8	123.7	0.7
1.0	15.0	1.0	0.0	0.0	-71.8	155.1	153.6	1.2
1.0	15.0	0.0	2.0	0.0	-140.9	293.4	291.9	5.7
1.0	15.0	0.0	2.0	0.0	-120.7	253.0	251.5	4.2
1.0	15.0	0.0	2.0	0.0	-104.7	221.0	219.5	2.0
1.0	15.0	2.0	0.0	0.0	-104.5	220.6	219.0	6.3
1.0	15.0	0.0	2.0	0.0	-158.1	327.8	326.2	8.3
1.0	15.0	0.0	3.0	0.0	-145.8	303.2	301.7	5.7
1.0	15.0	3.0	1.0	0.0	-160.0	340.0	336.0	8.0
1.0	15.0	3.0	0.0	0.0	-155.1	330.2	326.2	8.4
1.0	15.0	0.0	2.0	0.0	-134.3	280.2	278.6	4.7
1.0	15.0	0.0	1.0	0.0	-128.4	268.4	266.9	6.9
1.0	15.0	2.0	1.0	0.0	-177.8	375.7	371.7	28.4
1.0	15.0	2.0	0.0	0.0	-135.1	290.3	286.3	9.4
1.0	15.0	0.0	1.0	0.0	-156.1	323.6	322.1	17.6
1.0	15.0	2.0	0.0	0.0	-138.7	289.0	287.4	6.9
1.0	15.0	1.0	1.0	0.0	-117.2	254.3	250.3	3.6
1.0	15.0	0.0	1.0	0.0	-125.4	252.9	252.8	6.2
1.0	15.0	0.0	1.0	0.0	-176.2	363.9	362.3	11.8
1.0	15.0	0.0	2.0	0.0	-105.3	222.2	220.7	2.5
1.0	15.0	0.0	0.0	0.0	-60.7	123.5	123.4	0.7
1.0	15.0	1.0	0.0	0.0	-76.8	165.1	163.6	7.9
1.0	15.0	0.0	3.0	0.0	-153.9	319.3	317.7	7.1
1.0	15.0	0.0	2.0	0.0	-130.3	272.1	270.5	4.3
1.0	15.0	0.0	2.0	0.0	-108.4	228.4	226.8	2.5
1.0	15.0	2.0	0.0	0.0	-113.8	239.1	237.5	4.8
1.0	15.0	0.0	2.0	0.0	-151.0	313.6	312.0	8.0
1.0	15.0	0.0	0.0	0.0	-133.4	268.8	268.7	5.5
1.0	15.0	3.0	0.0	0.0	-170.9	353.3	351.8	10.7
1.0	15.0	3.0	0.0	0.0	-126.6	264.8	263.3	5.2
1.0	15.0	0.0	0.0	0.0	-140.5	283.0	282.9	5.8
1.0	15.0	0.0	6.0	0.0	-148.0	307.5	305.9	8.6
0.7	15.0	1.0	5.0	0.0	-131.0	282.0	278.0	9.5
0.9	15.0	6.0	0.0	0.0	-161.8	335.2	333.7	21.4
1.0	15.0	0.0	6.0	0.0	-126.9	265.2	263.7	5.1
1.0	15.0	0.0	8.0	0.0	-146.2	303.9	302.3	6.3
1.0	15.0	2.0	7.0	0.0	-239.2	498.5	494.5	60.8
1.0	15.0	3.0	0.0	0.0	-209.2	438.4	434.4	28.5
1.0	15.0	0.0	8.0	0.0	-133.4	278.4	276.8	7.9
1.0	15.0	1.0	3.0	0.0	-166.7	344.9	343.4	9.0
0.9	15.0	0.0	5.0	0.0	-129.3	270.1	268.5	6.0
1.0	15.0	3.0	2.0	0.0	-177.1	365.7	364.1	26.6
1.0	15.0	0.0	7.0	0.0	-160.5	332.5	330.9	9.4
1.0	15.0	0.0	7.0	0.0	-138.1	287.7	286.1	10.9
1.0	15.0	0.0	0.0	0.0	-89.4	180.8	180.7	3.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	7.0	0.0	0.0	-163.4	338.3	336.8	17.7
1.0	15.0	2.0	7.0	0.0	-154.4	328.7	324.7	23.7
1.0	15.0	0.0	5.0	0.0	-149.4	310.4	308.8	7.1
1.0	15.0	3.0	0.0	0.0	-139.1	298.2	294.2	12.1
1.0	15.0	6.0	0.0	0.0	-194.8	401.0	399.5	25.7
1.0	15.0	0.0	6.0	0.0	-161.6	334.7	333.1	9.2
1.0	15.0	0.0	7.0	0.0	-141.8	295.2	293.7	5.5
1.0	15.0	0.0	0.0	0.0	-106.9	215.8	215.7	2.6
1.0	15.0	4.0	0.0	0.0	-85.2	182.0	180.5	2.1
1.0	15.0	0.0	7.0	0.0	-136.1	283.7	282.2	6.7
1.0	15.0	0.0	7.0	0.0	-122.4	256.4	254.9	3.8
1.0	15.0	0.0	6.0	0.0	-114.2	240.0	238.5	2.8
0.8	15.0	6.0	0.0	0.0	-130.5	272.4	270.9	5.5
1.0	15.0	0.0	7.0	0.0	-153.5	318.6	317.1	7.9
1.0	15.0	0.0	0.0	0.0	-153.7	309.4	309.3	7.8
1.0	15.0	2.0	0.0	0.0	-161.1	333.8	332.3	9.6
1.0	15.0	1.0	0.0	0.0	-121.4	254.3	252.8	5.1
1.0	15.0	0.0	0.0	0.0	-158.7	319.4	319.3	9.4
1.0	15.0	0.0	0.0	0.0	-131.1	264.2	264.1	4.9
1.0	15.0	3.0	0.0	0.0	-165.9	343.3	341.7	9.8
1.0	15.0	1.0	0.0	0.0	-127.2	265.9	264.4	6.0
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	6.9
1.0	15.0	0.0	1.0	0.0	-116.6	244.7	243.2	4.6
1.0	15.0	3.0	0.0	0.0	-125.7	263.0	261.4	4.7
1.0	15.0	1.0	0.0	0.0	-119.0	249.5	247.9	3.7
1.0	15.0	0.0	0.0	0.0	-143.9	289.8	289.7	7.3
1.0	15.0	0.0	1.0	0.0	-141.9	295.4	293.9	10.7
0.5	15.0	3.0	1.0	0.0	-173.2	366.5	362.5	25.6
1.0	15.0	1.0	0.0	0.0	-178.6	359.4	359.3	13.0
1.0	15.0	0.0	2.0	0.0	-175.4	362.4	360.8	19.7
1.0	15.0	0.0	2.0	0.0	-136.7	284.9	283.4	7.2
1.0	15.0	3.0	2.0	0.0	-191.5	403.0	399.0	41.4
1.0	15.0	2.0	1.0	0.0	-150.2	320.4	316.4	14.5
1.0	15.0	0.0	3.0	0.0	-145.8	303.1	301.6	13.1
1.0	15.0	1.0	1.0	0.0	-177.5	366.5	365.0	12.1
1.0	15.0	1.0	1.0	0.0	-115.5	242.5	241.0	3.2
0.9	15.0	1.0	0.0	0.0	-159.4	330.3	328.8	21.8
1.0	15.0	0.0	1.0	0.0	-203.2	417.9	416.3	20.1
1.0	15.0	0.0	2.0	0.0	-138.0	287.5	286.0	5.5
1.0	15.0	0.0	0.0	0.0	-68.8	139.6	139.5	1.2
1.0	15.0	1.0	0.0	0.0	-94.2	200.0	198.4	13.3
1.0	15.0	0.0	5.0	0.0	-151.8	315.1	313.5	10.1
1.0	15.0	0.0	2.0	0.0	-122.7	257.0	255.5	3.8
1.0	15.0	0.0	0.0	0.0	-88.3	178.8	178.7	2.9
1.0	15.0	1.0	0.0	0.0	-114.5	240.5	238.9	18.9
1.0	15.0	0.0	2.0	0.0	-159.1	329.8	328.2	8.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-147.7	306.9	305.3	6.6
1.0	15.0	0.0	2.0	0.0	-105.7	223.0	221.4	2.9
1.0	15.0	3.0	0.0	0.0	-131.0	273.5	271.9	15.0
1.0	15.0	0.0	4.0	0.0	-159.7	330.9	329.4	8.3
1.0	15.0	0.0	0.0	0.0	-133.0	268.1	268.0	6.4
0.4	15.0	4.0	0.0	0.0	-178.0	375.9	371.9	17.6
1.0	15.0	2.0	0.0	0.0	-149.6	319.2	315.2	10.1
1.0	15.0	0.0	0.0	0.0	-150.9	303.9	303.8	7.4
1.0	15.0	1.0	2.0	0.0	-136.5	284.5	283.0	5.7
1.0	15.0	1.0	0.0	0.0	-109.1	229.7	228.1	2.6
1.0	15.0	1.0	0.0	0.0	-110.7	232.9	231.3	3.4
1.0	15.0	0.0	0.0	0.0	-158.8	319.7	319.6	8.8
1.0	15.0	0.0	0.0	0.0	-131.2	264.6	264.5	5.6
1.0	15.0	1.0	0.0	0.0	-159.3	330.1	328.5	10.0
1.0	15.0	1.0	3.0	0.0	-145.4	310.8	306.8	7.4
1.0	15.0	0.0	0.0	0.0	-144.8	291.6	291.5	6.1
1.0	15.0	0.0	0.0	0.0	-128.3	258.6	258.5	5.3
1.0	15.0	3.0	0.0	0.0	-150.1	311.7	310.2	6.4
0.6	15.0	3.0	0.0	0.0	-122.8	265.5	261.5	4.8
1.0	15.0	0.0	0.0	0.0	-139.5	281.1	281.0	5.5
1.0	15.0	0.0	2.0	0.0	-126.3	264.1	262.6	4.1
1.0	15.0	3.0	0.0	0.0	-153.1	317.6	316.1	7.7
1.0	15.0	4.0	0.0	0.0	-124.4	260.3	258.8	4.7
1.0	15.0	0.0	0.0	0.0	-155.1	312.4	312.3	7.5
1.0	15.0	1.0	2.0	0.0	-148.5	308.4	306.9	8.5
1.0	15.0	3.0	0.0	0.0	-157.3	326.1	324.5	11.1
1.0	15.0	3.0	0.0	0.0	-117.2	245.9	244.4	3.9
1.0	15.0	0.0	0.0	0.0	-167.0	336.0	336.0	10.5
0.9	15.0	0.0	2.0	0.0	-113.7	239.0	237.4	3.5
0.9	15.0	5.0	0.0	0.0	-162.7	337.0	335.5	16.0
1.0	15.0	4.0	0.0	0.0	-132.8	277.2	275.7	11.0
1.0	15.0	0.0	0.0	0.0	-137.9	277.8	277.7	5.7
0.7	15.0	0.0	4.0	0.0	-923.5	1863.5	1863.0	4.8
1.0	15.0	6.0	0.0	0.0	-1269.4	2548.9	2548.7	14.6
1.0	15.0	5.0	0.0	0.0	-1071.8	2160.0	2159.5	8.7
1.0	15.0	0.0	6.0	0.0	-1152.8	2315.9	2315.7	9.3
1.0	23.0	0.0	5.0	0.0	-632.6	1275.6	1275.3	4.0
1.0	23.0	8.0	0.0	0.0	-875.8	1761.9	1761.6	15.1
0.6	23.0	7.0	0.0	0.0	-726.3	1462.9	1462.7	7.3
1.0	23.0	0.0	7.0	0.0	-779.5	1569.2	1568.9	8.2
1.0	23.0	0.0	1.0	0.0	-357.3	725.0	724.5	3.2
1.0	23.0	3.0	0.0	0.0	-339.4	689.3	688.8	4.1
1.0	23.0	1.0	0.0	0.0	-332.3	675.1	674.7	3.3
1.0	23.0	0.0	0.0	0.0	-500.3	1002.7	1002.6	9.5
0.9	15.0	0.0	4.0	0.0	-782.8	1575.9	1575.7	4.7
1.0	15.0	5.0	0.0	0.0	-1094.6	2199.5	2199.3	18.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-898.7	1807.7	1807.5	12.4
1.0	15.0	0.0	5.0	0.0	-938.6	1887.3	1887.1	9.1
1.0	15.0	0.0	2.0	0.0	-161.6	334.7	333.2	9.0
1.0	15.0	3.0	0.0	0.0	-154.9	321.3	319.8	6.8
1.0	15.0	3.0	0.0	0.0	-154.4	320.4	318.9	6.9
1.0	15.0	0.0	0.0	0.0	-158.4	318.8	318.7	8.9
1.0	15.0	0.0	2.0	0.0	-130.1	271.7	270.1	4.5
1.0	15.0	4.0	0.0	0.0	-154.5	320.6	319.0	7.6
1.0	15.0	4.0	0.0	0.0	-156.0	323.5	321.9	7.7
1.0	15.0	0.0	0.0	0.0	-138.9	279.9	279.8	5.3
1.0	15.0	0.0	3.0	0.0	-122.0	255.6	254.1	3.7
1.0	15.0	2.0	0.0	0.0	-144.3	300.1	298.5	5.7
1.0	15.0	1.0	0.0	0.0	-116.2	244.0	242.5	3.1
1.0	15.0	0.0	0.0	0.0	-144.4	290.8	290.7	6.7
0.9	15.0	0.0	5.0	0.0	-130.6	272.7	271.1	4.3
1.0	15.0	5.0	0.0	0.0	-154.9	321.3	319.7	8.5
1.0	15.0	6.0	0.0	0.0	-137.0	285.5	283.9	5.4
1.0	15.0	0.0	0.0	0.0	-194.5	391.1	391.0	17.5
1.0	15.0	0.0	3.0	0.0	-121.6	254.8	253.3	3.5
0.8	15.0	3.0	0.0	0.0	-185.3	382.2	380.7	16.1
0.9	15.0	3.0	0.0	0.0	-137.6	286.7	285.2	6.6
1.0	15.0	0.0	1.0	0.0	-182.8	367.6	367.6	14.1
0.8	15.0	0.0	1.0	0.0	-141.6	294.8	293.2	8.3
1.0	15.0	0.0	0.0	0.0	-107.6	217.3	217.2	3.7
0.9	15.0	1.0	0.0	0.0	-107.5	226.6	225.0	9.3
0.8	15.0	0.0	1.0	0.0	-171.9	355.4	353.8	15.4
0.6	15.0	0.0	1.0	0.0	-121.8	255.2	253.7	5.9
0.7	15.0	2.0	0.0	0.0	-109.4	238.8	234.8	4.7
0.8	15.0	2.0	0.0	0.0	-107.0	225.6	224.0	7.0
1.0	15.0	0.0	2.0	0.0	-155.2	321.9	320.4	9.6
1.0	15.0	0.0	0.0	0.0	-157.0	316.2	316.1	7.4
1.0	15.0	2.0	0.0	0.0	-124.3	260.2	258.6	4.4
1.0	15.0	2.0	0.0	0.0	-112.1	235.7	234.2	3.0
1.0	15.0	0.0	0.0	0.0	-156.6	315.3	315.2	8.4
1.0	15.0	0.0	1.0	0.0	-127.7	267.0	265.5	6.8
1.0	15.0	0.0	3.0	0.0	-119.6	250.7	249.1	4.1
1.0	15.0	1.0	0.0	0.0	-121.4	254.3	252.8	4.0
1.0	15.0	0.0	1.0	0.0	-146.9	305.3	303.7	7.1
1.0	15.0	0.0	2.0	0.0	-132.7	276.9	275.4	6.1
1.0	15.0	2.0	2.0	0.0	-186.6	393.2	389.2	29.4
1.0	15.0	2.0	2.0	0.0	-134.9	289.8	285.8	10.2
1.0	15.0	0.0	2.0	0.0	-140.6	292.8	291.3	7.3
1.0	15.0	1.0	2.0	0.0	-128.8	269.1	267.6	5.9
1.0	15.0	0.0	0.0	0.0	-78.0	158.1	158.0	1.8
1.0	15.0	1.0	0.0	0.0	-91.4	194.4	192.9	9.3
1.0	15.0	2.0	1.0	0.0	-150.1	311.8	310.3	14.2



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-137.5	286.6	285.0	12.5
1.0	15.0	0.0	0.0	0.0	-93.4	188.9	188.9	3.3
0.9	15.0	1.0	0.0	0.0	-109.1	229.7	228.2	31.2
1.0	15.0	0.0	2.0	0.0	-164.4	340.3	338.8	12.6
1.0	15.0	0.0	2.0	0.0	-124.9	261.3	259.7	3.9
0.7	15.0	0.0	1.0	0.0	-104.6	220.8	219.3	2.3
1.0	15.0	2.0	0.0	0.0	-112.9	237.4	235.9	6.4
1.0	15.0	0.0	1.0	0.0	-149.0	309.4	307.9	6.5
1.0	15.0	0.0	1.0	0.0	-263.1	536.9	536.2	5.9
1.0	15.0	3.0	0.0	0.0	-284.4	579.5	578.8	19.4
1.0	15.0	3.0	0.0	0.0	-283.3	577.4	576.7	14.7
1.0	15.0	0.0	1.0	0.0	-345.7	693.5	693.4	17.7
1.0	15.0	2.0	0.0	0.0	-306.1	622.8	622.1	10.2
1.0	15.0	2.0	1.0	0.0	-355.5	728.8	727.0	25.8
1.0	15.0	2.0	2.0	0.0	-301.2	620.2	618.4	16.3
1.0	15.0	0.0	2.0	0.0	-308.3	627.3	626.6	7.6
1.0	15.0	3.0	0.0	0.0	-312.0	634.7	634.0	12.9
1.0	15.0	2.0	0.0	0.0	-290.8	592.4	591.6	16.7
1.0	15.0	2.0	0.0	0.0	-234.7	480.2	479.5	4.7
1.0	15.0	0.0	1.0	0.0	-370.8	743.7	743.6	19.6
1.0	15.0	0.0	1.0	0.0	-245.2	501.1	500.4	5.2
1.0	15.0	3.0	0.0	0.0	-164.2	339.1	338.3	1.5
1.0	15.0	1.0	0.0	0.0	-167.7	346.2	345.5	3.2
1.0	15.0	0.0	2.0	0.0	-319.0	648.8	648.0	21.2
1.0	15.0	1.0	0.0	0.0	-287.6	577.2	577.1	12.6
1.0	15.0	3.0	0.0	0.0	-281.9	574.4	573.7	20.1
1.0	15.0	3.0	0.0	0.0	-240.5	491.7	491.0	5.3
1.0	15.0	0.0	1.0	0.0	-360.5	723.1	723.0	13.5
1.0	15.0	2.0	0.0	0.0	-283.0	576.7	576.0	7.0
1.0	15.0	1.0	0.0	0.0	-174.6	360.0	359.3	2.6
1.0	15.0	0.0	0.0	0.0	-148.0	298.0	298.0	3.3
1.0	15.0	0.0	1.0	0.0	-320.5	651.8	651.1	10.3
1.0	15.0	0.0	0.0	0.0	-304.7	611.4	611.4	8.6
1.0	15.0	4.0	0.0	0.0	-300.4	611.5	610.8	11.3
1.0	15.0	4.0	0.0	0.0	-295.0	607.8	606.0	15.5
1.0	15.0	0.0	1.0	0.0	-360.9	732.5	731.8	16.0
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	4.4
1.0	15.0	2.0	0.0	0.0	-172.9	357.4	355.8	12.5
1.0	15.0	0.0	0.0	0.0	-153.0	308.1	308.0	9.4
1.0	15.0	0.0	0.0	0.0	-151.6	305.3	305.2	7.4
1.0	15.0	0.0	2.0	0.0	-120.8	253.1	251.6	3.7
1.0	15.0	4.0	0.0	0.0	-147.4	314.8	310.8	8.1
1.0	15.0	4.0	0.0	0.0	-125.2	270.4	266.4	5.4
1.0	15.0	0.0	0.0	0.0	-157.2	316.5	316.4	8.0
1.0	15.0	0.0	0.0	0.0	-116.9	235.9	235.8	4.6
0.8	15.0	2.0	0.0	0.0	-132.0	275.4	273.9	4.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	2.0	0.0	0.0	-123.0	257.6	256.1	4.1
1.0	15.0	0.0	0.0	0.0	-131.8	265.6	265.5	4.4
0.8	15.0	0.0	2.0	0.0	-127.1	265.8	264.2	5.1
0.9	15.0	4.0	0.0	0.0	-183.8	379.1	377.6	18.2
0.9	15.0	4.0	0.0	0.0	-140.1	291.7	290.1	7.4
1.0	15.0	0.0	0.0	0.0	-151.7	305.4	305.3	7.8
1.0	15.0	0.0	0.0	0.0	-126.4	254.9	254.8	3.9
1.0	15.0	2.0	0.0	0.0	-115.3	242.1	240.6	4.1
1.0	15.0	2.0	0.0	0.0	-102.7	217.0	215.5	2.3
1.0	15.0	0.0	0.0	0.0	-162.0	326.0	325.9	7.9
1.0	15.0	0.0	1.0	0.0	-115.8	243.2	241.7	3.2
1.0	15.0	2.0	0.0	0.0	-146.2	303.9	302.3	13.7
1.0	15.0	2.0	0.0	0.0	-152.9	317.3	315.8	12.2
1.0	15.0	0.0	0.0	0.0	-163.2	328.4	328.3	8.2
1.0	15.0	0.0	0.0	0.0	-115.5	233.0	232.9	3.5
1.0	15.0	3.0	0.0	0.0	-161.6	334.8	333.3	9.8
1.0	15.0	2.0	0.0	0.0	-125.6	262.7	261.1	4.8
1.0	15.0	0.0	0.0	0.0	-161.8	325.6	325.6	8.5
0.5	15.0	0.0	2.0	0.0	-148.6	308.7	307.1	6.6
1.0	15.0	2.0	0.0	0.0	-111.7	243.3	239.3	5.7
0.8	15.0	2.0	0.0	0.0	-113.7	238.9	237.4	5.9
1.0	15.0	0.0	0.0	0.0	-177.6	357.3	357.2	11.8
1.0	15.0	0.0	2.0	0.0	-109.2	230.0	228.5	2.7
1.0	15.0	1.0	0.0	0.0	-105.5	222.5	220.9	2.3
1.0	15.0	1.0	0.0	0.0	-87.6	186.8	185.3	2.6
1.0	15.0	0.0	1.0	0.0	-181.1	364.2	364.1	14.0
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.0	5.7
1.0	15.0	1.0	4.0	0.0	-180.8	381.8	377.6	16.9
1.0	15.0	1.0	2.0	0.0	-152.5	325.1	320.9	10.1
1.0	15.0	0.0	3.0	0.0	-151.9	315.3	313.8	9.3
1.0	15.0	0.0	1.0	0.0	-145.8	303.2	301.7	6.7
1.0	15.0	0.0	0.0	0.0	-113.3	228.8	228.7	3.3
1.0	15.0	1.0	0.0	0.0	-112.0	235.6	234.1	2.5
1.0	15.0	0.0	2.0	0.0	-177.6	366.6	365.1	12.3
1.0	15.0	0.0	3.0	0.0	-114.5	240.5	239.0	3.0
1.0	15.0	0.0	0.0	0.0	-76.9	155.9	155.8	1.6
1.0	15.0	2.0	0.0	0.0	-81.9	175.4	173.9	2.4
1.0	15.0	0.0	0.0	0.0	-145.9	293.8	293.7	7.5
1.0	15.0	0.0	3.0	0.0	-128.5	268.6	267.0	4.9
1.0	15.0	0.0	0.0	0.0	-102.2	206.6	206.5	2.3
1.0	15.0	2.0	0.0	0.0	-104.6	220.8	219.3	3.0
1.0	15.0	0.0	3.0	0.0	-158.7	329.0	327.4	9.5
1.0	15.0	0.0	0.0	0.0	-138.2	278.4	278.3	5.2
1.0	15.0	1.0	0.0	0.0	-142.4	296.4	294.9	7.1
1.0	15.0	2.0	0.0	0.0	-140.4	292.4	290.8	7.0
1.0	15.0	0.0	0.0	0.0	-141.2	284.6	284.5	6.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	7.7
1.0	15.0	1.0	0.0	0.0	-144.9	309.9	305.9	12.9
1.0	15.0	1.0	0.0	0.0	-114.9	249.8	245.8	5.2
1.0	15.0	0.0	6.0	0.0	-136.1	283.8	282.2	5.1
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	7.5
0.9	15.0	4.0	0.0	0.0	-177.5	366.5	364.9	15.4
1.0	15.0	2.0	0.0	0.0	-129.8	271.2	269.7	10.3
1.0	15.0	0.0	0.0	0.0	-153.9	309.8	309.8	8.9
1.0	15.0	0.0	0.0	0.0	-120.3	242.8	242.7	3.7
1.0	15.0	2.0	0.0	0.0	-163.8	339.2	337.7	8.9
1.0	15.0	2.0	0.0	0.0	-113.6	238.7	237.2	2.8
1.0	15.0	0.0	0.0	0.0	-126.3	254.7	254.6	4.0
1.0	15.0	6.0	0.0	0.0	-179.4	370.3	368.7	11.8
0.7	15.0	2.0	7.0	0.0	-212.9	445.7	441.7	30.5
1.0	15.0	0.0	7.0	0.0	-186.7	384.9	383.3	17.2
1.0	15.0	0.0	10.0	0.0	-173.6	358.8	357.3	12.2
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	5.5
1.0	15.0	2.0	0.0	0.0	-162.9	337.5	335.9	10.5
1.0	15.0	2.0	0.0	0.0	-122.5	256.7	255.1	4.4
1.0	15.0	0.0	0.0	0.0	-156.2	314.6	314.5	8.7
1.0	15.0	0.0	2.0	0.0	-116.3	244.0	242.5	3.1
1.0	15.0	3.0	0.0	0.0	-145.0	301.5	299.9	8.1
1.0	15.0	2.0	0.0	0.0	-135.1	281.7	280.1	6.7
1.0	15.0	0.0	0.0	0.0	-132.7	267.5	267.4	4.5
1.0	15.0	0.0	1.0	0.0	-122.1	255.8	254.3	3.5
1.0	15.0	3.0	0.0	0.0	-149.9	311.3	309.8	7.3
1.0	15.0	3.0	0.0	0.0	-145.3	302.1	300.6	8.1
1.0	15.0	0.0	0.0	0.0	-143.2	288.4	288.3	7.4
1.0	15.0	0.0	0.0	0.0	-118.5	239.2	239.1	3.8
1.0	15.0	2.0	0.0	0.0	-143.9	299.3	297.7	6.3
1.0	15.0	0.0	0.0	0.0	-128.6	259.3	259.2	6.1
1.0	15.0	0.0	0.0	0.0	-142.9	287.8	287.7	5.9
1.0	15.0	0.0	0.0	0.0	-124.4	251.0	250.9	5.7
1.0	15.0	3.0	0.0	0.0	-171.5	354.6	353.1	11.4
1.0	15.0	2.0	0.0	0.0	-146.0	303.6	302.0	7.0
1.0	15.0	0.0	0.0	0.0	-162.8	327.7	327.6	9.4
1.0	15.0	0.0	2.0	0.0	-109.2	230.0	228.4	2.6
0.9	15.0	2.0	0.0	0.0	-151.7	315.0	313.4	6.4
1.0	15.0	2.0	0.0	0.0	-134.4	280.4	278.9	4.8
1.0	15.0	0.0	1.0	0.0	-153.0	308.1	308.0	10.1
0.8	15.0	0.0	1.0	0.0	-127.4	266.4	264.9	5.8
0.6	15.0	2.0	1.0	0.0	-180.3	380.7	376.7	21.1
0.5	15.0	2.0	0.0	0.0	-155.7	331.4	327.4	7.6
0.6	15.0	0.0	1.0	0.0	-181.7	375.0	373.4	13.2
1.0	15.0	0.0	1.0	0.0	-151.4	314.4	312.9	7.0
1.0	15.0	0.0	0.0	0.0	-89.0	180.1	180.0	6.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-112.6	236.6	235.1	4.2
1.0	15.0	0.0	2.0	0.0	-161.7	335.0	333.5	9.0
1.0	15.0	0.0	2.0	0.0	-121.9	255.4	253.9	3.5
1.0	15.0	0.0	1.0	0.0	-112.1	235.8	234.2	2.6
0.8	15.0	1.0	0.0	0.0	-106.0	223.5	222.0	4.3
1.0	15.0	0.0	1.0	0.0	-153.0	317.4	315.9	6.9
1.0	15.0	0.0	1.0	0.0	-138.0	287.6	286.1	5.8
1.0	15.0	0.0	0.0	0.0	-78.2	158.4	158.3	1.9
1.0	15.0	1.0	0.0	0.0	-85.0	181.5	179.9	2.4
1.0	15.0	0.0	1.0	0.0	-152.5	316.4	314.9	7.6
1.0	15.0	0.0	1.0	0.0	-135.3	282.2	280.7	4.3
1.0	15.0	3.0	1.0	0.0	-112.5	245.1	241.1	2.7
1.0	15.0	1.0	0.0	0.0	-103.1	217.7	216.1	1.7
1.0	15.0	0.0	1.0	0.0	-154.1	319.7	318.2	7.8
1.0	15.0	0.0	0.0	0.0	-125.1	252.3	252.2	4.2
1.0	15.0	2.0	0.0	0.0	-148.0	307.5	305.9	7.9
1.0	15.0	1.0	0.0	0.0	-120.6	252.8	251.2	3.6
1.0	15.0	0.0	0.0	0.0	-133.5	269.2	269.1	5.9
1.0	15.0	0.0	1.0	0.0	-133.0	277.6	276.0	7.7
1.0	15.0	0.0	1.0	0.0	-125.4	252.9	252.8	5.8
0.7	15.0	1.0	0.0	0.0	-110.7	233.0	231.4	5.1
0.9	15.0	0.0	1.0	0.0	-179.2	369.9	368.3	15.8
1.0	15.0	0.0	0.0	0.0	-132.9	268.0	267.9	4.7
1.0	15.0	3.0	0.0	0.0	-164.9	341.3	339.7	11.4
1.0	15.0	2.0	0.0	0.0	-133.6	278.8	277.3	5.6
1.0	15.0	0.0	0.0	0.0	-174.0	350.1	350.0	11.6
1.0	15.0	0.0	3.0	0.0	-136.3	284.2	282.6	4.9
1.0	15.0	2.0	0.0	0.0	-126.2	272.3	268.3	10.3
1.0	15.0	3.0	0.0	0.0	-130.3	272.0	270.5	12.4
1.0	15.0	0.0	2.0	0.0	-160.9	333.3	331.8	8.5
1.0	15.0	0.0	3.0	0.0	-119.7	251.0	249.4	3.8
1.0	15.0	2.0	0.0	0.0	-177.4	366.4	364.8	18.1
1.0	15.0	4.0	0.0	0.0	-146.0	303.6	302.1	13.5
1.0	15.0	0.0	0.0	0.0	-150.7	303.5	303.4	7.6
1.0	15.0	0.0	0.0	0.0	-134.5	271.0	270.9	5.2
1.0	15.0	1.0	0.0	0.0	-154.9	321.3	319.8	8.2
1.0	15.0	1.0	0.0	0.0	-122.9	257.4	255.9	4.1
1.0	15.0	0.0	0.0	0.0	-145.8	293.6	293.5	5.4
1.0	15.0	3.0	1.0	0.0	-141.8	303.6	299.6	6.9
0.7	15.0	2.0	1.0	0.0	-194.0	408.0	404.0	26.7
1.0	15.0	0.0	1.0	0.0	-188.3	378.6	378.5	16.8
1.0	15.0	0.0	1.0	0.0	-162.4	336.4	334.8	9.3
1.0	15.0	0.0	1.0	0.0	-104.7	220.9	219.4	2.3
1.0	15.0	0.0	0.0	0.0	-57.9	117.9	117.8	0.7
1.0	15.0	1.0	0.0	0.0	-75.8	163.1	161.5	3.8
1.0	15.0	3.0	1.0	0.0	-134.4	288.7	284.7	9.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-130.9	273.3	271.7	5.2
1.0	15.0	0.0	0.0	0.0	-68.9	139.8	139.7	1.1
1.0	15.0	1.0	0.0	0.0	-89.2	189.9	188.4	2.8
1.0	15.0	0.0	1.0	0.0	-182.3	376.1	374.6	12.7
1.0	15.0	0.0	1.0	0.0	-117.4	246.4	244.9	3.2
1.0	15.0	2.0	1.0	0.0	-107.5	235.0	231.0	2.3
1.0	15.0	1.0	0.0	0.0	-126.3	264.2	262.7	15.7
1.0	15.0	0.0	1.0	0.0	-165.3	342.1	340.6	9.2
1.0	15.0	0.0	4.0	0.0	-131.5	274.6	273.0	4.3
1.0	15.0	1.0	0.0	0.0	-118.3	256.6	252.6	6.9
1.0	15.0	1.0	0.0	0.0	-101.1	222.3	218.3	1.6
1.0	15.0	0.0	0.0	0.0	-172.3	346.7	346.6	9.9
1.0	15.0	0.0	1.0	0.0	-122.5	256.4	254.9	3.5
1.0	15.0	3.0	1.0	0.0	-131.3	282.6	278.6	4.6
1.0	15.0	1.0	0.0	0.0	-114.9	241.3	239.7	3.7
1.0	15.0	0.0	1.0	0.0	-144.8	301.2	299.6	5.8
1.0	15.0	0.0	1.0	0.0	-139.1	289.8	288.3	5.6
1.0	15.0	0.0	1.0	0.0	-113.4	228.8	228.7	6.7
1.0	15.0	1.0	0.0	0.0	-109.9	231.3	229.8	7.4
1.0	15.0	0.0	1.0	0.0	-149.4	310.3	308.7	14.7
1.0	15.0	0.0	1.0	0.0	-115.4	242.3	240.8	3.3
1.0	15.0	0.0	0.0	0.0	-68.1	138.3	138.2	1.2
1.0	15.0	1.0	0.0	0.0	-77.1	165.7	164.2	3.7
1.0	15.0	0.0	2.0	0.0	-130.5	272.6	271.0	4.5
1.0	15.0	0.0	4.0	0.0	-128.5	268.5	266.9	4.6
1.0	15.0	0.0	0.0	0.0	-66.9	135.8	135.8	1.0
1.0	15.0	2.0	0.0	0.0	-80.3	172.0	170.5	2.2
1.0	15.0	1.0	3.0	0.0	-145.1	301.8	300.2	7.3
1.0	15.0	0.0	5.0	0.0	-127.6	266.7	265.2	4.7
1.0	15.0	3.0	0.0	0.0	-117.0	254.1	250.1	5.0
1.0	15.0	3.0	0.0	0.0	-105.9	231.7	227.7	2.7
1.0	15.0	0.0	6.0	0.0	-170.2	352.0	350.4	11.1
0.7	15.0	0.0	7.0	0.0	-138.3	296.6	292.6	5.1
0.9	15.0	5.0	0.0	0.0	-125.6	262.8	261.2	4.9
0.8	15.0	6.0	0.0	0.0	-130.5	272.5	270.9	4.9
1.0	15.0	0.0	7.0	0.0	-157.8	327.2	325.7	7.8
1.0	15.0	0.0	4.0	0.0	-141.4	294.3	292.7	6.7
0.6	15.0	4.0	0.0	0.0	-149.4	318.8	314.8	19.4
1.0	15.0	5.0	0.0	0.0	-141.8	295.1	293.5	20.7
1.0	15.0	0.0	7.0	0.0	-145.2	301.9	300.3	7.1
1.0	15.0	0.0	1.0	0.0	-130.0	271.6	270.0	5.7
1.0	15.0	0.0	0.0	0.0	-102.5	207.1	207.0	3.4
0.9	15.0	1.0	0.0	0.0	-124.1	259.7	258.2	16.9
1.0	15.0	0.0	0.0	0.0	-126.5	255.2	255.1	4.1
1.0	15.0	0.0	3.0	0.0	-115.2	241.8	240.3	2.7
0.9	15.0	3.0	0.0	0.0	-155.7	323.0	321.4	10.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	4.0	0.0	0.0	-129.7	279.4	275.4	6.8
1.0	15.0	0.0	2.0	0.0	-134.2	279.9	278.4	5.3
1.0	15.0	0.0	3.0	0.0	-128.1	267.7	266.1	4.7
0.6	15.0	2.0	0.0	0.0	-154.3	328.7	324.7	7.8
0.9	15.0	3.0	0.0	0.0	-136.9	285.4	283.9	6.9
1.0	15.0	0.0	1.0	0.0	-149.6	301.3	301.2	11.2
1.0	15.0	0.0	0.0	0.0	-127.4	256.8	256.8	4.3
1.0	15.0	3.0	0.0	0.0	-170.7	353.0	351.5	15.9
1.0	15.0	3.0	0.0	0.0	-127.7	266.9	265.4	5.6
1.0	15.0	0.0	0.0	0.0	-147.8	297.8	297.7	5.9
1.0	15.0	0.0	0.0	0.0	-140.5	283.2	283.1	5.2
1.0	15.0	2.0	0.0	0.0	-120.2	251.9	250.3	6.1
1.0	15.0	3.0	0.0	0.0	-114.8	241.2	239.6	3.1
1.0	15.0	0.0	0.0	0.0	-183.1	368.3	368.2	13.4
0.9	15.0	0.0	2.0	0.0	-130.9	273.3	271.7	4.5
1.0	15.0	0.0	2.0	0.0	-115.7	243.0	241.5	3.3
1.0	15.0	2.0	0.0	0.0	-112.1	235.7	234.2	3.1
1.0	15.0	0.0	2.0	0.0	-157.4	326.3	324.8	8.1
1.0	15.0	0.0	2.0	0.0	-123.7	258.9	257.4	5.8
1.0	15.0	0.0	0.0	0.0	-99.4	200.9	200.8	2.8
0.6	15.0	1.0	0.0	0.0	-100.1	211.7	210.2	13.0
1.0	15.0	0.0	2.0	0.0	-160.4	332.4	330.9	10.7
1.0	15.0	0.0	1.0	0.0	-126.4	264.3	262.7	5.2
1.0	15.0	0.0	1.0	0.0	-104.9	211.8	211.7	5.2
0.8	15.0	1.0	0.0	0.0	-107.7	227.0	225.5	4.6
1.0	15.0	0.0	1.0	0.0	-154.2	320.0	318.5	8.3
1.0	15.0	1.0	0.0	0.0	-145.0	292.0	291.9	10.8
1.0	15.0	2.0	1.0	0.0	-170.9	361.9	357.7	28.5
1.0	15.0	1.0	1.0	0.0	-155.7	331.6	327.5	19.1
1.0	15.0	0.0	0.0	0.0	-138.9	279.8	279.8	5.8
1.0	15.0	0.0	2.0	0.0	-133.7	279.0	277.5	4.9
1.0	15.0	0.0	0.0	0.0	-187.9	377.9	377.8	15.1
1.0	15.0	3.0	0.0	0.0	-165.2	341.9	340.3	9.8
1.0	15.0	0.0	0.0	0.0	-133.5	269.2	269.1	4.5
1.0	15.0	0.0	1.0	0.0	-136.5	284.5	283.0	7.5
1.0	15.0	0.0	0.0	0.0	-94.6	191.2	191.1	3.3
1.0	15.0	1.0	0.0	0.0	-110.2	231.9	230.3	5.8
1.0	15.0	0.0	1.0	0.0	-169.5	350.6	349.1	12.0
1.0	15.0	0.0	1.0	0.0	-120.9	253.2	251.7	3.4
1.0	15.0	1.0	0.0	0.0	-114.1	239.7	238.2	6.0
1.0	15.0	1.0	0.0	0.0	-86.7	185.0	183.5	3.6
1.0	15.0	0.0	1.0	0.0	-168.3	338.6	338.5	12.1
1.0	15.0	0.0	3.0	0.0	-115.4	242.3	240.7	3.4
0.8	15.0	4.0	0.0	0.0	-149.1	309.8	308.3	7.2
1.0	15.0	4.0	0.0	0.0	-134.5	280.6	279.1	5.6
1.0	15.0	0.0	0.0	0.0	-131.7	265.5	265.4	4.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-147.2	296.4	296.3	6.7
1.0	15.0	2.0	0.0	0.0	-187.1	385.7	384.2	27.6
1.0	15.0	1.0	0.0	0.0	-138.0	287.5	286.0	10.8
1.0	15.0	0.0	1.0	0.0	-137.8	287.2	285.7	7.6
1.0	15.0	0.0	0.0	0.0	-149.3	300.7	300.6	8.2
1.0	15.0	4.0	0.0	0.0	-164.4	340.3	338.8	12.4
1.0	15.0	2.0	0.0	0.0	-155.9	323.3	321.7	14.6
1.0	15.0	0.0	0.0	0.0	-143.2	288.5	288.4	7.8
1.0	15.0	0.0	4.0	0.0	-122.7	257.0	255.5	3.5
1.0	15.0	4.0	0.0	0.0	-160.3	332.2	330.6	8.5
1.0	15.0	4.0	0.0	0.0	-130.4	272.3	270.7	4.2
1.0	15.0	0.0	0.0	0.0	-148.9	299.8	299.7	9.6
1.0	15.0	0.0	2.0	0.0	-127.3	266.2	264.7	3.9
1.0	15.0	2.0	2.0	0.0	-167.6	355.1	351.1	11.5
1.0	15.0	3.0	0.0	0.0	-171.2	354.0	352.5	12.8
0.9	15.0	0.0	2.0	0.0	-139.8	291.0	289.5	9.1
1.0	15.0	0.0	2.0	0.0	-126.3	264.1	262.6	4.7
1.0	15.0	1.0	2.0	0.0	-175.1	370.2	366.2	19.3
1.0	15.0	1.0	2.0	0.0	-143.6	307.3	303.3	10.5
1.0	15.0	0.0	2.0	0.0	-149.5	310.4	308.9	6.5
1.0	15.0	0.0	1.0	0.0	-152.9	317.3	315.7	9.5
1.0	15.0	0.0	1.0	0.0	-125.1	252.4	252.3	6.2
0.8	15.0	1.0	0.0	0.0	-113.9	239.4	237.9	3.3
1.0	15.0	0.0	2.0	0.0	-165.0	341.6	340.1	13.1
1.0	15.0	0.0	2.0	0.0	-109.6	230.8	229.3	2.6
1.0	15.0	0.0	0.0	0.0	-60.9	123.8	123.7	0.9
0.7	15.0	2.0	0.0	0.0	-81.2	182.4	178.4	3.8
1.0	15.0	0.0	2.0	0.0	-117.0	245.6	244.0	3.7
1.0	15.0	0.0	1.0	0.0	-140.0	291.5	289.9	7.8
1.0	15.0	0.0	0.0	0.0	-90.2	182.5	182.4	3.6
1.0	15.0	2.0	0.0	0.0	-109.3	230.2	228.7	7.2
1.0	15.0	0.0	3.0	0.0	-145.7	303.1	301.4	8.6
1.0	15.0	0.0	2.0	0.0	-115.1	241.7	240.2	3.8
1.0	15.0	0.0	0.0	0.0	-77.2	156.5	156.4	2.1
1.0	15.0	2.0	0.0	0.0	-74.3	160.1	158.5	2.2
1.0	15.0	0.0	2.0	0.0	-145.2	302.0	300.5	6.3
1.0	15.0	0.0	0.0	0.0	-127.6	257.3	257.2	3.7
1.0	15.0	1.0	0.0	0.0	-103.7	219.0	217.5	2.4
0.9	15.0	1.0	0.0	0.0	-106.3	224.2	222.6	2.2
1.0	15.0	0.0	0.0	0.0	-142.2	286.5	286.4	6.3
1.0	15.0	0.0	2.0	0.0	-108.7	229.0	227.5	2.5
1.0	15.0	2.0	0.0	0.0	-116.2	243.9	242.4	3.3
1.0	15.0	2.0	0.0	0.0	-107.3	226.1	224.5	2.6
1.0	15.0	0.0	0.0	0.0	-133.9	269.8	269.7	5.4
1.0	15.0	0.0	2.0	0.0	-119.9	251.4	249.8	3.7
1.0	15.0	2.0	0.0	0.0	-157.7	327.0	325.4	9.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-119.5	250.6	249.0	4.0
1.0	15.0	0.0	0.0	0.0	-155.4	312.8	312.7	8.7
1.0	15.0	4.0	0.0	0.0	-141.8	295.2	293.7	6.5
1.0	15.0	2.0	5.0	0.0	-187.1	394.3	390.3	21.2
0.9	15.0	0.0	5.0	0.0	-174.4	360.3	358.8	12.9
1.0	15.0	0.0	1.0	0.0	-180.3	362.7	362.6	15.9
1.0	15.0	0.0	2.0	0.0	-122.8	257.2	255.7	4.2
0.9	15.0	2.0	3.0	0.0	-155.8	331.7	327.7	10.7
0.9	15.0	2.0	2.0	0.0	-149.4	318.7	314.7	11.0
1.0	15.0	0.0	3.0	0.0	-130.5	272.5	271.0	4.7
1.0	15.0	0.0	4.0	0.0	-164.2	340.0	338.4	15.8
0.6	15.0	2.0	4.0	0.0	-198.1	416.3	412.3	36.0
1.0	15.0	1.0	3.0	0.0	-162.7	337.0	335.5	12.6
1.0	15.0	0.0	4.0	0.0	-135.4	282.3	280.8	11.1
1.0	15.0	0.0	3.0	0.0	-112.9	237.3	235.7	2.8
1.0	15.0	0.0	0.0	0.0	-72.4	146.9	146.8	1.4
1.0	15.0	3.0	0.0	0.0	-95.8	203.1	201.6	4.8
1.0	15.0	0.0	3.0	0.0	-123.5	258.5	257.0	5.1
1.0	15.0	0.0	3.0	0.0	-131.8	275.2	273.7	4.7
1.0	15.0	0.0	0.0	0.0	-78.2	158.4	158.3	1.5
1.0	15.0	1.0	0.0	0.0	-106.0	223.5	221.9	3.5
1.0	15.0	0.0	3.0	0.0	-147.2	305.8	304.3	7.4
1.0	15.0	0.0	2.0	0.0	-160.2	331.9	330.4	12.6
1.0	15.0	0.0	0.0	0.0	-89.0	180.2	180.1	2.0
0.9	15.0	1.0	0.0	0.0	-83.0	177.6	176.0	2.7
1.0	15.0	0.0	4.0	0.0	-129.8	271.3	269.7	8.0
1.0	15.0	0.0	4.0	0.0	-121.6	254.7	253.2	6.5
1.0	15.0	0.0	3.0	0.0	-104.4	228.8	224.8	4.1
0.9	15.0	4.0	0.0	0.0	-127.2	266.0	264.5	7.3
1.0	15.0	0.0	4.0	0.0	-141.1	293.8	292.2	15.0
1.0	15.0	0.0	0.0	0.0	-122.2	246.5	246.4	4.2
1.0	15.0	2.0	0.0	0.0	-145.8	303.1	301.6	9.1
1.0	15.0	2.0	0.0	0.0	-115.4	242.3	240.7	9.3
1.0	15.0	0.0	0.0	0.0	-133.5	269.1	269.0	5.4
1.0	15.0	0.0	0.0	0.0	-142.3	286.8	286.7	7.4
1.0	15.0	2.0	2.0	0.0	-181.5	383.1	379.0	26.9
1.0	15.0	2.0	1.0	0.0	-152.2	324.5	320.4	13.1
1.0	15.0	0.0	2.0	0.0	-153.9	319.3	317.8	9.1
1.0	15.0	0.0	2.0	0.0	-113.2	237.9	236.4	3.0
1.0	15.0	0.0	0.0	0.0	-71.8	145.8	145.7	1.6
1.0	15.0	1.0	0.0	0.0	-71.4	154.3	152.8	1.4
1.0	15.0	1.0	1.0	0.0	-150.0	302.0	301.9	9.1
1.0	15.0	0.0	2.0	0.0	-119.1	249.8	248.3	3.6
0.8	15.0	1.0	0.0	0.0	-92.3	196.1	194.6	3.1
1.0	15.0	1.0	0.0	0.0	-103.8	219.1	217.5	3.1
1.0	15.0	0.0	1.0	0.0	-171.5	345.1	345.0	13.4



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-126.4	264.4	262.8	7.3
0.5	15.0	4.0	0.0	0.0	-109.8	239.6	235.6	3.3
1.0	15.0	3.0	0.0	0.0	-126.7	265.0	263.4	9.6
1.0	15.0	0.0	1.0	0.0	-162.2	326.4	326.3	9.2
1.0	15.0	0.0	2.0	0.0	-113.1	237.7	236.2	3.4
0.9	15.0	3.0	0.0	0.0	-146.8	305.2	303.7	6.0
0.9	15.0	3.0	0.0	0.0	-132.5	276.5	275.0	5.2
1.0	15.0	0.0	0.0	0.0	-141.1	284.4	284.3	6.1
1.0	15.0	0.0	1.0	0.0	-123.7	259.0	257.4	4.6
0.6	15.0	1.0	0.0	0.0	-127.9	275.8	271.8	6.8
1.0	15.0	2.0	0.0	0.0	-106.5	224.5	223.0	3.0
1.0	15.0	0.0	1.0	0.0	-171.8	355.1	353.6	12.2
1.0	15.0	0.0	2.0	0.0	-113.0	237.6	236.0	2.8
1.0	15.0	4.0	0.0	0.0	-155.1	321.8	320.2	8.4
1.0	15.0	3.0	0.0	0.0	-117.6	246.8	245.2	3.6
1.0	15.0	0.0	0.0	0.0	-161.2	324.5	324.4	9.2
1.0	15.0	0.0	2.0	0.0	-133.2	277.8	276.3	4.5
1.0	15.0	4.0	0.0	0.0	-134.5	280.5	279.0	5.9
1.0	15.0	3.0	0.0	0.0	-140.0	291.5	289.9	7.8
1.0	15.0	0.0	0.0	0.0	-136.4	274.9	274.9	5.4
1.0	15.0	0.0	0.0	0.0	-124.2	250.5	250.5	4.3
1.0	15.0	2.0	0.0	0.0	-151.5	314.6	313.0	11.2
1.0	15.0	2.0	0.0	0.0	-138.3	288.1	286.6	9.6
1.0	15.0	0.0	0.0	0.0	-141.2	284.4	284.4	6.3
1.0	15.0	0.0	0.0	0.0	-119.3	240.7	240.6	4.0
1.0	15.0	1.0	0.0	0.0	-106.4	224.4	222.8	2.4
1.0	15.0	1.0	0.0	0.0	-98.9	209.3	207.8	1.4
1.0	15.0	0.0	0.0	0.0	-131.7	265.4	265.3	4.5
1.0	15.0	0.0	3.0	0.0	-127.7	267.0	265.4	4.0
0.9	15.0	5.0	0.0	0.0	-155.8	323.1	321.6	7.3
1.0	15.0	5.0	0.0	0.0	-154.9	321.4	319.9	8.4
1.0	15.0	0.0	0.0	0.0	-155.9	313.9	313.8	7.0
1.0	15.0	0.0	0.0	0.0	-114.2	230.4	230.3	3.1
1.0	15.0	3.0	0.0	0.0	-130.6	272.6	271.1	6.2
1.0	15.0	3.0	0.0	0.0	-115.8	243.1	241.6	6.8
1.0	15.0	0.0	0.0	0.0	-166.4	334.8	334.7	8.8
1.0	15.0	1.0	0.0	0.0	-106.5	224.5	222.9	2.4
1.0	15.0	2.0	0.0	0.0	-159.2	329.9	328.3	8.9
1.0	15.0	1.0	0.0	0.0	-147.3	306.1	304.6	6.2
1.0	15.0	0.0	0.0	0.0	-142.6	287.3	287.2	5.5
1.0	15.0	2.0	0.0	0.0	-136.0	283.6	282.1	5.1
1.0	15.0	3.0	0.0	0.0	-136.3	284.1	282.6	19.2
1.0	15.0	2.0	0.0	0.0	-119.3	250.2	248.7	5.6
1.0	15.0	0.0	0.0	0.0	-189.3	380.8	380.7	14.5
1.0	15.0	0.0	0.0	0.0	-106.5	215.0	214.9	2.6
1.0	15.0	1.0	0.0	0.0	-82.1	175.7	174.2	1.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-71.5	154.5	152.9	1.0
1.0	15.0	0.0	0.0	0.0	-127.9	257.8	257.7	5.1
0.6	15.0	1.0	1.0	0.0	-140.3	292.1	290.6	5.3
1.0	15.0	2.0	0.0	0.0	-117.8	247.1	245.6	11.2
1.0	15.0	2.0	0.0	0.0	-107.2	226.0	224.5	6.0
1.0	15.0	0.0	0.0	0.0	-169.3	340.6	340.5	9.2
1.0	15.0	1.0	0.0	0.0	-118.6	248.9	247.3	3.6
1.0	15.0	1.0	0.0	0.0	-83.9	179.3	177.7	1.3
1.0	15.0	0.0	0.0	0.0	-89.3	180.8	180.7	3.2
1.0	15.0	0.0	0.0	0.0	-113.0	228.1	228.0	3.5
1.0	15.0	0.0	0.0	0.0	-117.4	236.9	236.9	3.5
1.0	15.0	2.0	0.0	0.0	-113.7	238.9	237.3	2.9
1.0	15.0	2.0	0.0	0.0	-100.7	213.0	211.4	1.6
1.0	15.0	0.0	0.0	0.0	-158.2	318.5	318.4	7.4
1.0	15.0	0.0	2.0	0.0	-120.7	253.0	251.5	4.4
1.0	15.0	2.0	0.0	0.0	-136.8	285.2	283.7	5.7
1.0	15.0	2.0	0.0	0.0	-132.1	275.7	274.1	5.4
1.0	15.0	0.0	0.0	0.0	-146.8	295.7	295.6	7.6
1.0	15.0	0.0	3.0	0.0	-121.7	254.9	253.3	3.3
1.0	15.0	3.0	0.0	0.0	-127.7	275.5	271.5	9.0
0.6	15.0	3.0	0.0	0.0	-129.1	278.2	274.2	8.5
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	5.8
0.7	15.0	1.0	0.0	0.0	-120.8	261.6	257.6	6.0
1.0	15.0	3.0	1.0	0.0	-191.7	403.4	399.4	27.0
0.8	15.0	2.0	2.0	0.0	-159.1	338.2	334.2	14.2
1.0	15.0	0.0	1.0	0.0	-176.6	355.3	355.2	13.1
1.0	15.0	0.0	3.0	0.0	-115.5	242.6	241.1	2.9
1.0	15.0	0.0	0.0	0.0	-116.5	235.1	235.0	3.0
1.0	15.0	4.0	0.0	0.0	-109.3	230.2	228.6	2.7
1.0	15.0	0.0	0.0	0.0	-167.2	336.5	336.4	9.3
1.0	15.0	12.0	0.0	0.0	-152.5	316.6	315.1	9.1
1.0	15.0	2.0	10.0	0.0	-179.6	379.1	375.1	18.9
1.0	15.0	1.0	13.0	0.0	-180.8	381.5	377.5	25.5
1.0	15.0	0.0	0.0	0.0	-144.8	291.6	291.6	7.7
1.0	15.0	0.0	2.0	0.0	-125.0	261.6	260.0	3.7
1.0	15.0	3.0	0.0	0.0	-154.6	320.7	319.1	8.2
1.0	15.0	3.0	0.0	0.0	-115.7	242.9	241.4	3.5
1.0	15.0	0.0	0.0	0.0	-143.1	288.4	288.3	6.2
1.0	15.0	0.0	2.0	0.0	-129.6	270.7	269.1	10.1
1.0	15.0	3.0	1.0	0.0	-190.0	400.0	396.0	34.4
0.9	15.0	2.0	1.0	0.0	-170.0	360.1	356.1	24.2
1.0	15.0	0.0	1.0	0.0	-161.8	325.8	325.7	13.3
1.0	15.0	0.0	0.0	0.0	-123.0	248.0	247.9	3.4
1.0	15.0	2.0	1.0	0.0	-157.9	335.8	331.8	12.2
1.0	15.0	2.0	0.0	0.0	-138.5	297.0	293.0	7.9
1.0	15.0	0.0	0.0	0.0	-135.5	273.1	273.0	6.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.8	5.9
1.0	15.0	0.0	0.0	0.0	-62.7	127.4	127.3	1.2
0.7	15.0	1.0	0.0	0.0	-79.6	170.7	169.2	2.8
1.0	15.0	0.0	0.0	0.0	-122.8	247.6	247.5	4.0
1.0	15.0	0.0	0.0	0.0	-147.8	297.6	297.5	6.6
1.0	15.0	2.0	0.0	0.0	-142.0	295.5	293.9	6.4
1.0	15.0	2.0	0.0	0.0	-107.7	226.9	225.3	2.2
1.0	15.0	0.0	0.0	0.0	-138.6	279.3	279.2	6.4
0.6	15.0	1.0	5.0	0.0	-147.6	315.4	311.3	9.3
0.7	15.0	5.0	1.0	0.0	-196.4	412.9	408.8	36.7
1.0	15.0	5.0	1.0	0.0	-167.6	355.3	351.1	21.7
1.0	15.0	1.0	1.0	0.0	-187.9	387.4	385.8	14.8
1.0	15.0	0.0	3.0	0.0	-127.3	266.2	264.6	4.5
1.0	15.0	0.0	0.0	0.0	-77.6	157.2	157.1	1.8
1.0	15.0	2.0	0.0	0.0	-82.1	175.7	174.1	2.8
0.7	15.0	1.0	3.0	0.0	-161.9	343.9	339.9	12.6
1.0	15.0	0.0	3.0	0.0	-147.4	306.2	304.7	6.5
1.0	15.0	3.0	0.0	0.0	-129.5	279.1	275.1	5.5
1.0	15.0	5.0	0.0	0.0	-111.6	234.8	233.2	3.7
1.0	15.0	0.0	3.0	0.0	-172.1	355.8	354.3	10.8
1.0	15.0	0.0	2.0	0.0	-123.7	259.0	257.5	4.2
0.8	15.0	4.0	0.0	0.0	-151.1	313.7	312.1	7.7
1.0	15.0	2.0	0.0	0.0	-142.2	296.0	294.4	5.8
1.0	15.0	0.0	1.0	0.0	-131.1	273.8	272.3	5.5
1.0	15.0	0.0	2.0	0.0	-109.2	229.9	228.4	2.4
1.0	15.0	3.0	0.0	0.0	-139.2	289.9	288.4	5.4
1.0	15.0	2.0	0.0	0.0	-126.2	264.0	262.5	4.1
1.0	15.0	0.0	0.0	0.0	-140.0	282.1	282.1	6.6
1.0	15.0	0.0	0.0	0.0	-790.7	1583.4	1583.4	4.4
0.6	15.0	2.0	0.0	0.0	-1020.4	2051.0	2050.8	13.1
0.8	15.0	2.0	0.0	0.0	-806.2	1628.9	1628.3	6.3
1.0	15.0	0.0	0.0	0.0	-915.1	1832.3	1832.3	7.9
1.0	15.0	0.0	0.0	0.0	-529.9	1061.8	1061.8	4.7
0.9	15.0	3.0	0.0	0.0	-660.5	1331.3	1331.0	11.1
1.0	15.0	2.0	0.0	0.0	-536.7	1083.7	1083.4	6.2
1.0	15.0	0.0	0.0	0.0	-678.1	1358.2	1358.2	10.6
1.0	15.0	0.0	0.0	0.0	-779.9	1561.8	1561.8	4.9
1.0	15.0	3.0	0.0	0.0	-998.7	2007.7	2007.4	11.6
1.0	15.0	3.0	0.0	0.0	-820.1	1650.5	1650.3	8.3
1.0	15.0	0.0	0.0	0.0	-887.8	1777.6	1777.5	8.0
1.0	15.0	0.0	3.0	0.0	-116.0	243.5	242.0	3.1
1.0	15.0	3.0	0.0	0.0	-170.0	351.6	350.1	12.2
0.9	15.0	3.0	0.0	0.0	-128.6	268.8	267.3	6.5
1.0	15.0	0.0	0.0	0.0	-150.7	303.4	303.3	6.4
0.9	15.0	0.0	1.0	0.0	-137.4	286.4	284.8	5.3
1.0	15.0	4.0	0.0	0.0	-136.4	292.7	288.7	5.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-136.4	292.9	288.9	7.5
1.0	15.0	0.0	0.0	0.0	-145.3	292.7	292.6	6.0
1.0	15.0	0.0	0.0	0.0	-130.4	262.9	262.9	4.6
1.0	15.0	2.0	0.0	0.0	-118.4	256.8	252.8	3.5
1.0	15.0	2.0	0.0	0.0	-112.7	245.4	241.4	3.6
1.0	15.0	0.0	0.0	0.0	-149.2	300.6	300.5	7.6
1.0	15.0	0.0	5.0	0.0	-143.2	297.9	296.3	7.4
0.7	15.0	3.0	0.0	0.0	-129.7	279.4	275.4	7.0
1.0	15.0	4.0	0.0	0.0	-115.1	241.7	240.2	5.0
1.0	15.0	0.0	0.0	0.0	-174.9	351.8	351.7	13.8
1.0	15.0	0.0	0.0	0.0	-122.0	246.1	246.0	4.8
1.0	15.0	2.0	0.0	0.0	-123.6	258.7	257.2	3.8
1.0	15.0	2.0	0.0	0.0	-103.9	219.4	217.9	2.4
1.0	15.0	0.0	0.0	0.0	-122.6	247.2	247.1	3.6
1.0	15.0	0.0	0.0	0.0	-118.4	239.0	238.9	3.8
1.0	15.0	2.0	0.0	0.0	-147.6	306.8	305.2	7.1
1.0	15.0	2.0	0.0	0.0	-109.7	230.9	229.4	2.4
1.0	15.0	0.0	0.0	0.0	-143.3	288.7	288.6	6.7
1.0	15.0	0.0	2.0	0.0	-122.3	256.1	254.6	4.1
1.0	15.0	5.0	0.0	0.0	-168.4	348.4	346.9	10.6
1.0	15.0	4.0	0.0	0.0	-129.0	269.5	268.0	4.6
1.0	15.0	0.0	0.0	0.0	-166.2	334.4	334.3	9.0
1.0	15.0	0.0	2.0	0.0	-128.3	268.1	266.5	4.1
1.0	15.0	4.0	0.0	0.0	-116.4	244.4	242.9	3.6
1.0	15.0	3.0	0.0	0.0	-102.3	216.2	214.7	2.2
1.0	15.0	0.0	0.0	0.0	-170.3	342.7	342.7	10.3
1.0	15.0	0.0	3.0	0.0	-129.7	270.9	269.3	4.3
1.0	15.0	5.0	0.0	0.0	-169.3	350.2	348.7	12.4
1.0	15.0	5.0	0.0	0.0	-137.8	287.2	285.6	5.8
1.0	15.0	0.0	0.0	0.0	-165.2	332.4	332.4	8.6
1.0	15.0	0.0	0.0	0.0	-128.1	258.2	258.1	4.5
1.0	15.0	4.0	0.0	0.0	-109.4	230.4	228.9	3.1
1.0	15.0	4.0	0.0	0.0	-109.6	230.7	229.2	3.3
1.0	15.0	0.0	0.0	0.0	-172.3	346.7	346.6	10.7
1.0	15.0	0.0	1.0	0.0	-164.4	340.2	338.7	9.4
1.0	15.0	2.0	3.0	0.0	-156.5	332.9	328.9	7.8
1.0	15.0	4.0	0.0	0.0	-147.5	315.0	311.0	6.7
1.0	15.0	0.0	1.0	0.0	-147.9	307.3	305.8	6.5
1.0	15.0	0.0	1.0	0.0	-119.5	250.5	249.0	3.3
1.0	15.0	1.0	0.0	0.0	-108.1	218.3	218.2	4.7
1.0	15.0	1.0	0.0	0.0	-85.7	182.9	181.4	1.7
1.0	15.0	0.0	1.0	0.0	-170.7	352.9	351.4	12.5
1.0	15.0	0.0	0.0	0.0	-117.6	237.4	237.3	3.5
1.0	15.0	3.0	0.0	0.0	-154.7	320.9	319.4	7.3
1.0	15.0	4.0	0.0	0.0	-141.1	293.7	292.2	7.3
1.0	15.0	0.0	0.0	0.0	-135.0	272.0	271.9	4.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-113.2	228.5	228.4	4.0
1.0	15.0	3.0	0.0	0.0	-161.3	334.1	332.6	10.0
1.0	15.0	2.0	0.0	0.0	-122.4	256.3	254.7	5.3
1.0	15.0	0.0	0.0	0.0	-137.2	276.5	276.4	5.2
1.0	15.0	0.0	3.0	0.0	-123.4	258.3	256.8	5.1
1.0	15.0	1.0	2.0	0.0	-128.9	277.7	273.7	7.5
1.0	15.0	3.0	0.0	0.0	-136.8	285.1	283.5	10.6
1.0	15.0	0.0	2.0	0.0	-136.9	285.4	283.9	7.2
1.0	15.0	0.0	1.0	0.0	-132.8	277.2	275.6	13.4
1.0	15.0	0.0	1.0	0.0	-189.5	381.0	380.9	30.9
0.8	15.0	1.0	0.0	0.0	-154.8	321.1	319.5	11.9
1.0	15.0	0.0	2.0	0.0	-165.2	341.9	340.3	18.8
1.0	15.0	0.0	1.0	0.0	-123.5	258.6	257.1	3.9
1.0	15.0	0.0	2.0	0.0	-103.9	219.3	217.7	2.0
1.0	15.0	1.0	0.0	0.0	-111.5	234.5	233.0	5.6
1.0	15.0	0.0	2.0	0.0	-159.3	330.2	328.7	8.2
1.0	15.0	0.0	2.0	0.0	-114.2	239.9	238.4	2.8
1.0	15.0	0.0	0.0	0.0	-72.4	147.0	146.9	1.2
1.0	15.0	2.0	0.0	0.0	-88.9	189.3	187.8	11.2
1.0	15.0	0.0	3.0	0.0	-162.2	335.9	334.4	8.5
1.0	15.0	0.0	2.0	0.0	-144.0	299.5	298.0	19.1
1.0	15.0	0.0	0.0	0.0	-80.1	162.3	162.2	1.5
0.5	15.0	1.0	0.0	0.0	-142.2	295.9	294.4	48.2
1.0	15.0	0.0	2.0	0.0	-173.1	357.8	356.2	18.8
1.0	15.0	0.0	2.0	0.0	-131.4	274.3	272.7	5.3
1.0	15.0	0.0	0.0	0.0	-71.4	144.8	144.7	1.4
1.0	15.0	2.0	0.0	0.0	-69.7	150.9	149.4	1.0
1.0	15.0	0.0	2.0	0.0	-169.4	350.4	348.9	15.5
1.0	15.0	0.0	2.0	0.0	-155.5	322.5	321.0	16.6
1.0	15.0	0.0	2.0	0.0	-114.0	239.6	238.1	3.4
1.0	15.0	2.0	0.0	0.0	-150.3	312.1	310.6	27.6
1.0	15.0	0.0	2.0	0.0	-161.9	335.4	333.8	19.1
1.0	15.0	0.0	0.0	0.0	-123.5	249.1	249.0	4.4
1.0	15.0	2.0	0.0	0.0	-166.9	345.4	343.8	11.1
1.0	15.0	2.0	0.0	0.0	-123.6	258.8	257.2	4.8
1.0	15.0	0.0	0.0	0.0	-147.7	297.5	297.4	5.9
1.0	15.0	0.0	5.0	0.0	-117.2	246.0	244.5	3.1
1.0	15.0	0.0	4.0	0.0	-120.7	252.9	251.4	4.1
1.0	15.0	3.0	0.0	0.0	-129.3	278.7	274.7	4.4
1.0	15.0	0.0	1.0	0.0	-155.5	313.2	313.1	11.4
0.7	15.0	0.0	3.0	0.0	-151.4	314.5	312.9	10.4
1.0	15.0	2.0	2.0	0.0	-186.5	393.2	389.1	29.0
1.0	15.0	2.0	1.0	0.0	-160.9	341.9	337.8	21.2
1.0	15.0	0.0	2.0	0.0	-158.4	328.3	326.7	9.0
1.0	15.0	0.0	2.0	0.0	-130.0	271.6	270.1	4.6
1.0	15.0	0.0	0.0	0.0	-132.4	266.9	266.8	5.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-107.6	226.6	225.1	2.4
1.0	15.0	0.0	3.0	0.0	-153.7	319.0	317.5	9.0
1.0	15.0	0.0	4.0	0.0	-113.8	239.1	237.6	3.2
1.0	15.0	0.0	0.0	0.0	-77.9	158.0	157.9	1.5
1.0	15.0	3.0	0.0	0.0	-118.3	248.1	246.5	13.2
1.0	15.0	0.0	5.0	0.0	-140.0	291.5	290.0	7.4
1.0	15.0	0.0	4.0	0.0	-173.0	357.5	355.9	13.9
1.0	15.0	0.0	0.0	0.0	-117.5	237.1	237.0	3.9
1.0	15.0	4.0	0.0	0.0	-140.5	292.6	291.1	10.8
1.0	15.0	0.0	4.0	0.0	-155.3	322.1	320.6	11.5
1.0	15.0	0.0	4.0	0.0	-131.9	275.3	273.8	4.5
1.0	15.0	1.0	1.0	0.0	-104.1	228.3	224.3	2.3
1.0	15.0	3.0	0.0	0.0	-113.7	238.9	237.4	3.8
1.0	15.0	0.0	4.0	0.0	-169.6	350.8	349.3	18.0
1.0	15.0	0.0	0.0	0.0	-123.1	248.2	248.1	3.8
0.8	15.0	2.0	0.0	0.0	-151.7	314.9	313.3	7.1
1.0	15.0	2.0	0.0	0.0	-123.9	259.3	257.8	3.7
1.0	15.0	0.0	0.0	0.0	-116.6	235.2	235.1	3.3
1.0	15.0	1.0	1.0	0.0	-143.3	298.2	296.7	8.1
1.0	15.0	3.0	1.0	0.0	-123.7	267.5	263.5	5.2
1.0	15.0	2.0	1.0	0.0	-130.4	272.3	270.8	4.9
1.0	15.0	0.0	1.0	0.0	-165.8	333.7	333.6	12.3
1.0	15.0	0.0	1.0	0.0	-111.8	235.1	233.6	2.9
1.0	15.0	0.0	0.0	0.0	-55.2	112.5	112.4	0.6
1.0	15.0	1.0	0.0	0.0	-69.2	150.0	148.5	0.8
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	6.3
1.0	15.0	0.0	1.0	0.0	-123.8	259.2	257.6	4.5
1.0	15.0	5.0	0.0	0.0	-118.7	249.0	247.5	10.4
1.0	15.0	2.0	0.0	0.0	-124.1	259.8	258.3	9.7
1.0	15.0	0.0	0.0	0.0	-163.6	329.2	329.1	9.2
1.0	15.0	0.0	1.0	0.0	-114.0	239.6	238.0	2.7
1.0	15.0	0.0	0.0	0.0	-108.7	219.5	219.4	3.1
1.0	15.0	1.0	0.0	0.0	-83.4	178.3	176.8	1.4
1.0	15.0	0.0	1.0	0.0	-168.4	338.8	338.7	10.9
0.8	15.0	0.0	2.0	0.0	-151.8	315.1	313.6	6.6
0.6	15.0	7.0	0.0	0.0	-184.5	388.9	384.9	18.2
1.0	15.0	5.0	0.0	0.0	-166.5	353.0	349.0	13.1
1.0	15.0	0.0	0.0	0.0	-159.7	321.4	321.3	8.2
1.0	15.0	0.0	0.0	0.0	-130.2	262.5	262.4	4.8
1.0	15.0	2.0	0.0	0.0	-190.4	392.3	390.7	30.4
1.0	15.0	2.0	0.0	0.0	-167.4	346.4	344.8	14.7
1.0	15.0	0.0	0.0	0.0	-189.2	380.5	380.4	18.0
1.0	15.0	0.0	1.0	0.0	-113.1	237.7	236.2	3.7
1.0	15.0	2.0	0.0	0.0	-148.8	309.1	307.6	9.4
1.0	15.0	2.0	0.0	0.0	-129.8	271.1	269.5	6.4
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.8	6.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.0	6.3
1.0	15.0	1.0	0.0	0.0	-163.7	339.0	337.5	8.8
1.0	15.0	1.0	0.0	0.0	-148.9	309.4	307.8	7.4
1.0	15.0	0.0	0.0	0.0	-160.1	322.4	322.3	8.4
1.0	15.0	0.0	0.0	0.0	-116.7	235.5	235.4	3.3
1.0	15.0	3.0	2.0	0.0	-158.6	337.2	333.2	10.7
1.0	15.0	3.0	2.0	0.0	-131.8	283.7	279.7	6.5
1.0	15.0	0.0	2.0	0.0	-162.0	335.5	333.9	9.4
1.0	15.0	0.0	3.0	0.0	-126.3	264.2	262.7	4.3
1.0	15.0	0.0	0.0	0.0	-78.7	159.5	159.4	1.5
1.0	15.0	2.0	0.0	0.0	-70.3	152.2	150.7	0.7
1.0	15.0	0.0	5.0	0.0	-132.7	277.0	275.5	4.7
1.0	15.0	0.0	2.0	0.0	-125.3	262.1	260.6	4.1
1.0	15.0	5.0	0.0	0.0	-126.3	272.6	268.6	4.8
1.0	15.0	7.0	0.0	0.0	-120.4	260.9	256.9	4.0
1.0	15.0	0.0	2.0	0.0	-133.8	279.1	277.5	4.3
1.0	15.0	0.0	0.0	0.0	-136.7	275.6	275.5	4.9
0.9	15.0	3.0	0.0	0.0	-152.8	317.2	315.6	8.2
1.0	15.0	3.0	0.0	0.0	-130.8	273.2	271.7	4.8
1.0	15.0	0.0	0.0	0.0	-132.6	267.2	267.1	5.3
0.9	15.0	0.0	2.0	0.0	-124.0	259.6	258.0	4.2
0.6	15.0	3.0	0.0	0.0	-175.1	370.2	366.2	12.9
0.8	15.0	3.0	0.0	0.0	-150.6	312.6	311.1	11.0
1.0	15.0	0.0	0.0	0.0	-155.0	312.2	312.1	8.0
1.0	15.0	0.0	1.0	0.0	-120.6	252.7	251.1	4.8
0.9	15.0	2.0	1.0	0.0	-118.1	256.2	252.2	6.0
1.0	15.0	1.0	0.0	0.0	-103.3	218.2	216.7	1.9
0.9	15.0	0.0	1.0	0.0	-180.2	371.9	370.4	12.6
1.0	15.0	0.0	2.0	0.0	-116.1	243.7	242.1	3.4
1.0	15.0	2.0	0.0	0.0	-156.1	323.6	322.1	7.2
1.0	15.0	2.0	0.0	0.0	-120.1	251.7	250.1	4.1
1.0	15.0	0.0	0.0	0.0	-148.9	299.8	299.7	7.1
1.0	15.0	0.0	2.0	0.0	-126.0	263.6	262.0	4.3
0.8	15.0	3.0	0.0	0.0	-158.3	328.2	326.7	12.3
0.9	15.0	3.0	0.0	0.0	-143.1	297.7	296.2	11.8
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	8.1
1.0	15.0	0.0	1.0	0.0	-128.4	268.4	266.8	3.9
1.0	15.0	0.0	0.0	0.0	-133.9	269.9	269.8	5.5
1.0	15.0	1.0	0.0	0.0	-105.5	222.6	221.1	2.7
1.0	15.0	0.0	1.0	0.0	-172.5	347.0	346.9	11.3
1.0	15.0	0.0	0.0	0.0	-116.8	235.6	235.5	4.9
0.7	15.0	2.0	1.0	0.0	-179.3	378.6	374.6	28.4
1.0	15.0	2.0	1.0	0.0	-128.0	276.0	272.0	10.6
1.0	15.0	0.0	1.0	0.0	-165.2	332.6	332.5	15.4
1.0	15.0	0.0	1.0	0.0	-116.4	244.4	242.9	2.9
1.0	15.0	1.0	0.0	0.0	-104.6	220.8	219.2	2.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-95.4	202.3	200.8	1.4
1.0	15.0	0.0	0.0	0.0	-166.0	334.1	334.1	9.5
1.0	15.0	0.0	1.0	0.0	-107.8	227.1	225.6	2.8
1.0	15.0	0.0	1.0	0.0	-107.1	216.3	216.2	4.5
0.6	15.0	1.0	0.0	0.0	-96.0	203.5	202.0	20.3
1.0	15.0	0.0	1.0	0.0	-179.5	370.6	369.0	12.7
1.0	15.0	0.0	0.0	0.0	-138.5	279.1	279.1	6.2
1.0	15.0	3.0	0.0	0.0	-169.8	351.2	349.6	22.3
0.8	15.0	3.0	0.0	0.0	-142.9	297.4	295.9	13.7
1.0	15.0	0.0	0.0	0.0	-165.3	332.6	332.5	11.0
1.0	15.0	0.0	1.0	0.0	-132.4	276.4	274.9	5.5
1.0	15.0	0.0	0.0	0.0	-114.8	231.6	231.5	3.1
1.0	15.0	1.0	0.0	0.0	-104.7	221.0	219.5	5.7
1.0	15.0	0.0	2.0	0.0	-169.0	349.4	347.9	10.4
1.0	15.0	0.0	0.0	0.0	-128.9	260.0	259.9	4.8
1.0	15.0	3.0	0.0	0.0	-160.8	333.1	331.6	16.1
1.0	15.0	2.0	0.0	0.0	-125.7	262.9	261.3	6.7
1.0	15.0	0.0	0.0	0.0	-128.9	259.9	259.8	7.8
1.0	15.0	0.0	0.0	0.0	-117.5	237.1	237.0	3.2
1.0	15.0	1.0	0.0	0.0	-154.9	321.4	319.9	8.2
1.0	15.0	2.0	0.0	0.0	-117.4	246.3	244.8	3.6
1.0	15.0	0.0	0.0	0.0	-139.7	281.4	281.4	8.0
1.0	15.0	0.0	0.0	0.0	-123.1	248.3	248.2	4.0
1.0	15.0	1.0	0.0	0.0	-165.5	342.5	341.0	10.3
1.0	15.0	2.0	0.0	0.0	-130.0	271.5	270.0	6.8
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	5.8
1.0	15.0	0.0	4.0	0.0	-133.5	278.5	276.9	5.0
0.9	15.0	4.0	0.0	0.0	-182.5	376.6	375.1	16.9
0.9	15.0	4.0	0.0	0.0	-146.3	304.1	302.6	9.5
1.0	15.0	0.0	0.0	0.0	-153.3	308.6	308.5	8.1
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.8	5.6
0.9	15.0	2.0	0.0	0.0	-113.0	237.6	236.0	4.9
1.0	15.0	2.0	0.0	0.0	-103.7	219.0	217.5	2.9
1.0	15.0	0.0	1.0	0.0	-159.8	321.7	321.6	13.0
1.0	15.0	0.0	1.0	0.0	-106.2	223.9	222.3	2.3
1.0	15.0	4.0	0.0	0.0	-122.5	264.9	260.9	4.7
0.9	15.0	3.0	0.0	0.0	-106.0	231.9	227.9	2.3
1.0	15.0	0.0	1.0	0.0	-172.1	355.7	354.1	10.7
1.0	15.0	0.0	2.0	0.0	-145.4	302.4	300.9	7.4
1.0	15.0	5.0	0.0	0.0	-187.5	386.6	385.1	25.1
1.0	15.0	3.0	0.0	0.0	-147.6	306.8	305.2	14.6
1.0	15.0	0.0	0.0	0.0	-174.0	350.1	350.0	10.6
1.0	15.0	0.0	1.0	0.0	-134.6	271.3	271.2	5.0
1.0	15.0	3.0	0.0	0.0	-122.0	264.1	260.1	4.8
1.0	15.0	2.0	0.0	0.0	-114.3	248.7	244.7	3.9
1.0	15.0	0.0	1.0	0.0	-161.4	334.3	332.7	9.0



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-128.2	258.4	258.3	5.0
0.5	15.0	4.0	0.0	0.0	-122.7	265.4	261.4	5.1
1.0	15.0	3.0	0.0	0.0	-117.2	246.0	244.5	3.2
1.0	15.0	0.0	0.0	0.0	-160.0	322.1	322.0	8.0
1.0	15.0	0.0	0.0	0.0	-116.8	235.8	235.7	3.4
0.7	15.0	2.0	0.0	0.0	-99.3	218.6	214.6	2.3
1.0	15.0	2.0	0.0	0.0	-101.3	214.2	212.7	1.6
1.0	15.0	0.0	0.0	0.0	-133.7	269.6	269.5	5.3
1.0	15.0	0.0	0.0	0.0	-137.0	276.1	276.0	5.8
1.0	15.0	1.0	0.0	0.0	-156.6	324.8	323.3	9.1
1.0	15.0	0.0	0.0	0.0	-126.1	254.3	254.2	9.3
1.0	15.0	0.0	0.0	0.0	-136.6	275.3	275.2	4.9
1.0	15.0	0.0	2.0	0.0	-118.3	248.1	246.5	2.9
0.9	15.0	2.0	0.0	0.0	-117.9	247.4	245.8	4.1
0.9	15.0	2.0	0.0	0.0	-104.0	219.5	218.0	2.1
1.0	15.0	0.0	0.0	0.0	-179.1	360.3	360.2	12.4
1.0	15.0	0.0	2.0	0.0	-117.3	246.1	244.6	3.3
1.0	15.0	0.0	1.0	0.0	-133.5	278.5	277.0	4.9
1.0	15.0	1.0	0.0	0.0	-127.5	266.5	264.9	4.8
1.0	15.0	0.0	2.0	0.0	-146.5	304.5	302.9	6.4
1.0	15.0	0.0	1.0	0.0	-126.4	264.4	262.8	4.3
1.0	15.0	0.0	0.0	0.0	-116.2	234.4	234.3	3.4
1.0	15.0	1.0	0.0	0.0	-109.0	229.5	227.9	2.4
1.0	15.0	0.0	1.0	0.0	-160.7	333.0	331.4	9.5
1.0	15.0	0.0	1.0	0.0	-114.1	239.8	238.3	2.9
1.0	15.0	0.0	0.0	0.0	-60.6	123.4	123.3	0.8
1.0	15.0	1.0	0.0	0.0	-76.2	163.9	162.4	1.6
1.0	15.0	0.0	1.0	0.0	-122.2	256.0	254.4	4.0
1.0	15.0	0.0	1.0	0.0	-128.0	267.6	266.1	4.3
1.0	15.0	0.0	0.0	0.0	-66.2	134.5	134.5	1.3
0.9	15.0	1.0	0.0	0.0	-67.0	145.4	143.9	0.9
1.0	15.0	0.0	1.0	0.0	-133.9	279.3	277.7	7.5
1.0	15.0	0.0	2.0	0.0	-134.5	280.6	279.0	5.7
1.0	15.0	0.0	0.0	0.0	-107.4	216.9	216.8	2.8
0.9	15.0	1.0	0.0	0.0	-112.2	236.0	234.5	4.4
1.0	15.0	0.0	2.0	0.0	-157.1	325.8	324.2	7.7
1.0	15.0	0.0	1.0	0.0	-117.0	245.5	243.9	3.6
1.0	15.0	0.0	1.0	0.0	-143.8	289.7	289.6	8.3
1.0	15.0	2.0	0.0	0.0	-126.9	265.4	263.9	5.0
1.0	15.0	0.0	1.0	0.0	-129.3	270.1	268.6	4.7
1.0	15.0	0.0	1.0	0.0	-110.6	232.8	231.3	2.7
1.0	15.0	0.0	0.0	0.0	-61.2	124.6	124.5	0.8
1.0	15.0	1.0	0.0	0.0	-73.7	158.9	157.4	1.3
1.0	15.0	0.0	1.0	0.0	-129.6	270.8	269.3	4.4
1.0	15.0	0.0	2.0	0.0	-317.1	644.8	644.1	12.8
1.0	15.0	1.0	2.0	0.0	-343.6	697.8	697.1	20.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-335.7	682.0	681.3	24.5
1.0	15.0	0.0	2.0	0.0	-303.0	616.7	616.0	8.1
1.0	15.0	0.0	1.0	0.0	-280.2	571.1	570.3	5.1
1.0	15.0	0.0	0.0	0.0	-245.0	492.1	492.1	4.9
1.0	15.0	1.0	0.0	0.0	-241.1	493.0	492.3	7.0
1.0	15.0	0.0	2.0	0.0	-331.5	673.8	673.0	11.5
1.0	15.0	0.0	2.0	0.0	-268.3	547.4	546.7	7.6
1.0	15.0	0.0	0.0	0.0	-138.7	279.5	279.5	1.2
1.0	15.0	1.0	0.0	0.0	-188.1	386.9	386.2	10.8
1.0	15.0	0.0	1.0	0.0	-299.9	610.5	609.7	12.3
1.0	15.0	0.0	2.0	0.0	-269.6	549.9	549.2	6.0
1.0	15.0	0.0	0.0	0.0	-135.7	273.5	273.4	1.3
1.0	15.0	1.0	0.0	0.0	-135.7	282.1	281.4	1.0
1.0	15.0	0.0	1.0	0.0	-302.8	616.4	615.6	7.3
1.0	15.0	0.0	1.0	0.0	-272.4	555.5	554.8	6.0
1.0	15.0	0.0	0.0	0.0	-224.4	450.9	450.8	3.2
1.0	15.0	1.0	0.0	0.0	-209.6	429.9	429.1	2.5
1.0	15.0	0.0	1.0	0.0	-333.6	677.8	677.1	10.2
1.0	15.0	2.0	0.0	0.0	-146.3	304.2	302.7	6.9
1.0	15.0	3.0	0.0	0.0	-173.9	359.3	357.8	21.9
0.9	15.0	3.0	0.0	0.0	-162.7	336.9	335.3	13.8
1.0	15.0	0.0	0.0	0.0	-119.8	241.7	241.7	3.8
1.0	15.0	2.0	0.0	0.0	-173.6	358.7	357.1	30.3
1.0	15.0	8.0	0.0	0.0	-259.2	529.8	528.3	197.7
1.0	15.0	7.0	0.0	0.0	-202.0	424.0	420.0	29.3
1.0	15.0	0.0	0.0	0.0	-164.5	331.2	331.1	8.5
1.0	15.0	2.0	0.0	0.0	-170.7	353.0	351.5	29.5
1.0	15.0	6.0	0.0	0.0	-195.9	403.3	401.8	83.4
1.0	15.0	7.0	0.0	0.0	-147.2	314.5	310.5	13.4
1.0	15.0	0.0	0.0	0.0	-170.3	342.8	342.7	10.9
1.0	15.0	2.0	0.0	0.0	-133.6	278.8	277.3	15.1
1.0	15.0	5.0	0.0	0.0	-148.1	307.8	306.3	16.3
1.0	15.0	5.0	0.0	0.0	-107.3	234.5	230.5	6.2
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	7.2
1.0	15.0	2.0	0.0	0.0	-154.1	319.8	318.2	17.3
1.0	15.0	7.0	0.0	0.0	-163.4	338.3	336.7	37.5
0.8	15.0	5.0	0.0	0.0	-127.8	275.6	271.6	7.5
1.0	15.0	0.0	0.0	0.0	-173.9	350.0	349.9	11.3
1.0	15.0	2.0	0.0	0.0	-147.5	306.6	305.1	48.3
1.0	15.0	5.0	0.0	0.0	-117.8	247.2	245.6	20.3
1.0	15.0	5.0	0.0	0.0	-68.9	157.8	153.7	0.9
1.0	15.0	0.0	0.0	0.0	-159.5	321.0	320.9	11.4
1.0	15.0	2.0	0.0	0.0	-139.5	290.6	289.1	17.9
1.0	15.0	8.0	0.0	0.0	-161.4	334.4	332.8	42.2
1.0	15.0	7.0	0.0	0.0	-127.3	274.7	270.7	8.9
1.0	15.0	0.0	0.0	0.0	-154.6	311.3	311.2	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-127.9	257.8	257.7	4.7
1.0	15.0	2.0	0.0	0.0	-158.3	328.2	326.7	8.4
1.0	15.0	2.0	0.0	0.0	-118.9	249.3	247.8	4.9
1.0	15.0	0.0	0.0	0.0	-131.6	265.2	265.1	5.3
1.0	15.0	0.0	0.0	0.0	-116.1	234.4	234.3	3.7
1.0	15.0	2.0	0.0	0.0	-148.2	308.0	306.5	6.3
1.0	15.0	2.0	0.0	0.0	-124.2	260.0	258.4	4.2
1.0	15.0	0.0	0.0	0.0	-164.5	331.0	330.9	8.5
1.0	15.0	0.0	0.0	0.0	-135.4	272.8	272.7	4.7
1.0	15.0	1.0	0.0	0.0	-159.8	331.1	329.6	8.2
1.0	15.0	1.0	0.0	0.0	-164.3	340.2	338.6	8.7
1.0	15.0	0.0	0.0	0.0	-150.7	303.5	303.4	6.2
1.0	15.0	0.0	0.0	0.0	-129.7	261.6	261.5	4.4
1.0	15.0	2.0	0.0	0.0	-174.9	361.4	359.8	13.6
1.0	15.0	2.0	0.0	0.0	-143.7	299.0	297.4	8.7
1.0	15.0	0.0	0.0	0.0	-134.2	270.4	270.3	4.8
1.0	15.0	0.0	2.0	0.0	-127.0	265.6	264.1	7.3
1.0	15.0	2.0	2.0	0.0	-162.8	345.6	341.6	10.3
1.0	15.0	3.0	0.0	0.0	-139.7	290.9	289.3	10.2
1.0	15.0	0.0	2.0	0.0	-129.0	269.5	268.0	6.7
1.0	15.0	0.0	2.0	0.0	-136.8	285.1	283.5	7.2
1.0	15.0	3.0	1.0	0.0	-182.5	385.1	381.0	24.9
1.0	15.0	1.0	0.0	0.0	-160.4	322.9	322.8	13.5
1.0	15.0	0.0	3.0	0.0	-161.8	335.2	333.7	10.5
1.0	15.0	0.0	1.0	0.0	-162.8	337.2	335.6	9.8
1.0	15.0	0.0	0.0	0.0	-122.1	246.2	246.1	4.7
1.0	15.0	1.0	0.0	0.0	-128.0	267.6	266.1	13.3
1.0	15.0	0.0	1.0	0.0	-179.3	370.1	368.5	13.1
1.0	15.0	0.0	1.0	0.0	-108.2	227.8	226.3	2.4
1.0	15.0	0.0	0.0	0.0	-64.7	131.5	131.4	1.0
1.0	15.0	1.0	0.0	0.0	-84.8	181.1	179.6	8.3
1.0	15.0	0.0	2.0	0.0	-131.5	274.5	273.0	5.7
1.0	15.0	0.0	1.0	0.0	-116.4	244.3	242.8	4.1
1.0	15.0	0.0	0.0	0.0	-82.5	167.2	167.1	3.1
1.0	15.0	1.0	0.0	0.0	-96.3	204.1	202.5	8.8
1.0	15.0	0.0	1.0	0.0	-149.7	310.9	309.3	7.5
1.0	15.0	0.0	1.0	0.0	-125.4	262.3	260.8	3.9
1.0	15.0	0.0	0.0	0.0	-58.1	118.4	118.3	0.7
1.0	15.0	1.0	0.0	0.0	-63.9	139.4	137.9	0.6
1.0	15.0	0.0	1.0	0.0	-136.6	284.7	283.2	5.9
1.0	15.0	0.0	1.0	0.0	-122.8	257.2	255.7	4.0
1.0	15.0	0.0	1.0	0.0	-109.0	220.1	220.0	4.5
0.9	15.0	1.0	0.0	0.0	-100.6	212.7	211.2	14.6
1.0	15.0	0.0	1.0	0.0	-150.5	312.5	311.0	6.4
1.0	15.0	0.0	3.0	0.0	-116.7	244.9	243.4	3.1
1.0	15.0	3.0	0.0	0.0	-158.6	328.7	327.1	8.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-124.9	261.4	259.9	5.5
1.0	15.0	0.0	5.0	0.0	-160.1	331.8	330.3	8.0
1.0	15.0	0.0	2.0	0.0	-130.4	272.2	270.7	4.2
1.0	15.0	3.0	0.0	0.0	-127.6	275.2	271.2	13.9
0.9	15.0	3.0	0.0	0.0	-133.2	286.5	282.5	10.9
1.0	15.0	0.0	4.0	0.0	-143.9	299.4	297.9	6.1
0.6	15.0	0.0	4.0	0.0	-109.4	238.7	234.7	2.9
0.9	15.0	7.0	0.0	0.0	-163.1	337.8	336.3	9.0
0.9	15.0	5.0	0.0	0.0	-140.7	292.9	291.4	5.4
1.0	15.0	0.0	7.0	0.0	-132.3	276.2	274.6	4.6
1.0	15.0	0.0	3.0	0.0	-131.0	273.6	272.0	4.4
1.0	15.0	4.0	0.0	0.0	-128.6	268.7	267.2	6.3
1.0	15.0	4.0	0.0	0.0	-119.3	250.2	248.6	4.0
1.0	15.0	0.0	5.0	0.0	-159.2	329.9	328.4	8.0
0.6	15.0	0.0	1.0	0.0	-110.5	232.5	231.0	2.9
0.9	15.0	1.0	0.0	0.0	-146.4	304.4	302.8	8.0
1.0	15.0	1.0	0.0	0.0	-131.3	274.1	272.5	7.0
1.0	15.0	0.0	0.0	0.0	-164.3	330.7	330.6	8.7
1.0	15.0	0.0	2.0	0.0	-135.6	282.8	281.2	5.2
1.0	15.0	4.0	0.0	0.0	-145.6	302.8	301.2	10.5
1.0	15.0	3.0	0.0	0.0	-138.3	288.2	286.7	10.4
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	5.4
1.0	15.0	0.0	2.0	0.0	-148.3	308.2	306.7	8.5
0.7	15.0	3.0	0.0	0.0	-136.2	292.5	288.5	6.2
0.9	15.0	3.0	0.0	0.0	-134.8	281.0	279.5	5.9
1.0	15.0	0.0	1.0	0.0	-153.5	309.1	309.0	8.4
1.0	15.0	0.0	1.0	0.0	-127.0	265.6	264.0	4.8
1.0	15.0	0.0	1.0	0.0	-109.1	229.7	228.1	2.5
0.9	15.0	1.0	0.0	0.0	-121.0	253.5	252.0	17.4
1.0	15.0	0.0	1.0	0.0	-134.1	279.7	278.1	5.3
1.0	15.0	0.0	2.0	0.0	-127.4	266.4	264.9	4.8
1.0	15.0	4.0	0.0	0.0	-142.2	295.8	294.3	5.6
1.0	15.0	4.0	0.0	0.0	-147.1	305.8	304.3	6.7
1.0	15.0	0.0	0.0	0.0	-146.8	295.6	295.5	6.3
0.6	15.0	3.0	0.0	0.0	-126.7	273.3	269.3	4.8
1.0	15.0	2.0	0.0	0.0	-115.4	250.8	246.8	3.6
1.0	15.0	1.0	0.0	0.0	-103.5	227.0	223.0	1.8
1.0	15.0	0.0	1.0	0.0	-163.5	329.0	328.9	9.7
1.0	15.0	1.0	0.0	0.0	-137.3	286.0	284.5	5.7
1.0	15.0	3.0	0.0	0.0	-182.7	376.9	375.4	17.5
1.0	15.0	2.0	1.0	0.0	-125.2	270.4	266.4	6.2
1.0	15.0	0.0	0.0	0.0	-136.0	274.1	274.1	5.3
0.9	15.0	2.0	2.0	0.0	-152.3	324.6	320.6	7.4
1.0	15.0	4.0	1.0	0.0	-189.1	398.2	394.2	37.1
1.0	15.0	3.0	1.0	0.0	-157.0	334.0	330.0	19.7
1.0	15.0	0.0	1.0	0.0	-194.0	390.0	389.9	17.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-120.7	252.9	251.4	3.1
1.0	15.0	2.0	0.0	0.0	-105.0	221.6	220.0	2.0
1.0	15.0	2.0	0.0	0.0	-98.7	209.0	207.5	1.4
1.0	15.0	0.0	1.0	0.0	-174.3	350.8	350.7	11.3
1.0	15.0	5.0	0.0	0.0	-132.9	277.4	275.8	7.1
0.7	15.0	2.0	4.0	0.0	-205.5	431.1	427.1	29.7
1.0	15.0	0.0	4.0	0.0	-175.7	362.9	361.3	14.1
1.0	15.0	0.0	3.0	0.0	-140.0	291.5	289.9	6.1
1.0	15.0	0.0	7.0	0.0	-144.3	300.2	298.6	5.8
1.0	15.0	8.0	0.0	0.0	-137.7	286.9	285.4	18.0
1.0	15.0	7.0	0.0	0.0	-126.6	264.7	263.2	10.9
1.0	15.0	0.0	8.0	0.0	-144.8	301.1	299.6	5.9
1.0	15.0	0.0	4.0	0.0	-139.2	289.9	288.4	5.0
1.0	15.0	4.0	0.0	0.0	-123.9	259.4	257.8	4.2
1.0	15.0	7.0	0.0	0.0	-131.4	274.3	272.7	5.2
1.0	15.0	0.0	7.0	0.0	-143.1	297.7	296.2	5.4
1.0	15.0	0.0	3.0	0.0	-120.9	253.3	251.8	6.9
1.0	15.0	1.0	2.0	0.0	-155.3	330.7	326.7	12.4
1.0	15.0	2.0	0.0	0.0	-157.4	326.4	324.9	26.0
1.0	15.0	0.0	2.0	0.0	-130.4	272.3	270.8	4.6
1.0	15.0	0.0	2.0	0.0	-126.5	264.5	262.9	7.4
0.5	15.0	3.0	0.0	0.0	-124.0	268.0	264.0	7.6
1.0	15.0	3.0	0.0	0.0	-143.1	297.7	296.2	10.7
1.0	15.0	0.0	4.0	0.0	-185.0	381.5	380.0	18.9
1.0	15.0	0.0	3.0	0.0	-140.2	292.1	290.5	6.4
1.0	15.0	0.0	0.0	0.0	-92.7	187.4	187.3	2.4
1.0	15.0	1.0	0.0	0.0	-67.9	147.3	145.8	1.0
1.0	15.0	0.0	1.0	0.0	-147.9	307.4	305.9	11.4
1.0	15.0	0.0	2.0	0.0	-127.1	265.7	264.2	4.4
1.0	15.0	1.0	2.0	0.0	-118.9	249.4	247.9	3.7
1.0	15.0	1.0	0.0	0.0	-105.5	222.5	221.0	2.6
1.0	15.0	0.0	1.0	0.0	-154.8	321.1	319.5	7.7
1.0	15.0	0.0	1.0	0.0	-145.7	302.9	301.3	6.9
1.0	15.0	0.0	1.0	0.0	-119.5	250.5	249.0	5.1
1.0	15.0	1.0	0.0	0.0	-122.3	256.2	254.7	12.3
1.0	15.0	0.0	2.0	0.0	-144.4	300.3	298.8	6.9
1.0	15.0	0.0	1.0	0.0	-107.4	226.4	224.8	2.3
1.0	15.0	0.0	0.0	0.0	-65.8	133.6	133.5	1.0
1.0	15.0	1.0	0.0	0.0	-78.9	169.3	167.8	5.4
1.0	15.0	0.0	2.0	0.0	-135.6	282.8	281.3	8.1
1.0	15.0	0.0	1.0	0.0	-147.7	306.9	305.4	7.8
1.0	15.0	0.0	0.0	0.0	-95.9	193.8	193.7	5.7
1.0	15.0	1.0	0.0	0.0	-76.9	165.3	163.7	2.4
1.0	15.0	0.0	2.0	0.0	-155.7	322.8	321.3	12.1
1.0	15.0	0.0	1.0	0.0	-269.7	550.1	549.4	4.6
1.0	15.0	0.0	1.0	0.0	-214.8	440.3	439.6	2.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-258.0	526.8	526.1	35.0
1.0	15.0	0.0	1.0	0.0	-304.2	619.1	618.4	8.5
1.0	15.0	0.0	2.0	0.0	-157.1	316.4	316.3	7.1
1.0	15.0	5.0	7.0	0.0	-146.8	313.7	309.7	8.7
1.0	15.0	5.0	0.0	0.0	-143.6	307.2	303.2	8.8
1.0	15.0	0.0	0.0	0.0	-164.4	330.8	330.8	8.9
0.6	15.0	6.0	1.0	0.0	-142.8	305.5	301.5	6.3
0.7	15.0	2.0	9.0	0.0	-168.7	357.5	353.5	10.9
1.0	15.0	0.0	8.0	0.0	-156.0	323.4	321.9	9.2
1.0	15.0	0.0	0.0	0.0	-139.8	281.6	281.5	5.9
1.0	15.0	0.0	7.0	0.0	-155.3	322.2	320.7	9.2
1.0	15.0	0.0	0.0	0.0	-107.3	216.7	216.6	2.3
1.0	15.0	5.0	0.0	0.0	-102.6	216.8	215.2	3.3
1.0	15.0	0.0	10.0	0.0	-193.4	406.8	402.8	17.6
1.0	15.0	0.0	4.0	0.0	-144.0	299.5	297.9	5.8
1.0	15.0	2.0	11.0	0.0	-144.3	308.6	304.6	13.4
1.0	15.0	2.0	11.0	0.0	-150.9	321.8	317.8	12.9
1.0	15.0	6.0	0.0	0.0	-173.8	359.1	357.6	15.6
1.0	15.0	0.0	0.0	0.0	-136.8	275.7	275.6	5.6
0.8	15.0	1.0	0.0	0.0	-186.4	384.2	382.7	17.1
1.0	15.0	1.0	0.0	0.0	-145.6	302.8	301.3	10.0
1.0	15.0	0.0	0.0	0.0	-137.6	277.3	277.2	5.1
1.0	15.0	0.0	0.0	0.0	-115.0	232.2	232.1	3.0
0.9	15.0	1.0	0.0	0.0	-166.7	344.9	343.4	11.8
1.0	15.0	1.0	0.0	0.0	-148.7	308.9	307.3	6.7
1.0	15.0	0.0	0.0	0.0	-151.1	304.3	304.2	7.3
1.0	15.0	0.0	3.0	0.0	-158.3	328.1	326.6	8.3
1.0	15.0	3.0	0.0	0.0	-140.3	292.1	290.5	5.1
1.0	15.0	2.0	0.0	0.0	-112.1	235.8	234.3	2.7
1.0	15.0	0.0	0.0	0.0	-135.8	273.8	273.7	5.3
1.0	15.0	0.0	3.0	0.0	-117.7	246.9	245.4	3.2
1.0	15.0	5.0	0.0	0.0	-155.1	321.7	320.2	9.1
1.0	15.0	5.0	0.0	0.0	-130.7	273.0	271.4	6.1
1.0	15.0	0.0	0.0	0.0	-149.0	300.0	299.9	8.0
1.0	15.0	0.0	0.0	0.0	-117.6	237.3	237.3	3.9
1.0	15.0	2.0	0.0	0.0	-166.3	344.2	342.7	9.9
1.0	15.0	1.0	0.0	0.0	-115.0	241.5	240.0	4.4
1.0	15.0	0.0	0.0	0.0	-139.6	281.4	281.3	4.9
1.0	15.0	0.0	0.0	0.0	-115.0	232.0	231.9	3.4
1.0	15.0	2.0	0.0	0.0	-156.9	325.4	323.8	10.6
1.0	15.0	2.0	0.0	0.0	-129.4	270.4	268.8	7.6
1.0	15.0	0.0	0.0	0.0	-142.0	286.0	285.9	5.2
1.0	15.0	0.0	5.0	0.0	-132.6	276.7	275.1	4.5
1.0	15.0	3.0	0.0	0.0	-163.6	338.8	337.3	8.7
1.0	15.0	3.0	0.0	0.0	-149.1	309.8	308.3	7.0
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	6.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-135.8	273.6	273.5	4.8
1.0	15.0	7.0	0.0	0.0	-171.4	354.3	352.8	12.7
1.0	15.0	4.0	0.0	0.0	-147.0	305.5	303.9	6.5
1.0	15.0	0.0	6.0	0.0	-172.5	356.6	355.0	10.8
0.7	15.0	0.0	2.0	0.0	-129.1	269.7	268.2	4.0
1.0	15.0	9.0	0.0	0.0	-148.3	308.1	306.5	8.2
1.0	15.0	8.0	0.0	0.0	-144.5	300.5	298.9	6.7
1.0	15.0	0.0	7.0	0.0	-149.5	310.5	308.9	7.0
1.0	15.0	0.0	0.0	0.0	-127.8	257.6	257.5	5.1
1.0	15.0	2.0	0.0	0.0	-137.4	286.3	284.8	5.4
1.0	15.0	2.0	0.0	0.0	-138.7	289.0	287.4	5.4
1.0	15.0	0.0	0.0	0.0	-143.6	289.3	289.2	5.9
1.0	15.0	0.0	8.0	0.0	-282.0	581.7	579.9	6.1
1.0	15.0	7.0	2.0	0.0	-394.0	805.9	804.1	40.2
1.0	15.0	7.0	0.0	0.0	-415.8	849.5	847.7	62.1
1.0	15.0	0.0	0.0	0.0	-342.3	686.7	686.7	10.7
1.0	15.0	0.0	3.0	0.0	-128.5	268.5	266.9	4.3
1.0	15.0	3.0	0.0	0.0	-177.2	365.9	364.3	14.0
1.0	15.0	4.0	0.0	0.0	-126.0	263.7	262.1	4.5
1.0	15.0	0.0	0.0	0.0	-165.8	333.7	333.6	10.0
1.0	15.0	0.0	2.0	0.0	-115.5	242.6	241.1	3.2
1.0	15.0	1.0	1.0	0.0	-143.8	299.1	297.5	6.4
0.6	15.0	2.0	0.0	0.0	-122.6	265.2	261.2	4.1
1.0	15.0	0.0	2.0	0.0	-129.7	270.9	269.3	5.9
1.0	15.0	0.0	2.0	0.0	-117.2	245.9	244.3	4.4
1.0	15.0	1.0	1.0	0.0	-149.7	311.0	309.5	14.1
1.0	15.0	2.0	0.0	0.0	-140.0	291.6	290.0	11.0
1.0	15.0	0.0	2.0	0.0	-142.6	296.8	295.3	6.4
1.0	15.0	0.0	1.0	0.0	-146.3	304.2	302.6	16.6
1.0	15.0	0.0	0.0	0.0	-118.3	238.6	238.5	3.4
0.7	15.0	1.0	0.0	0.0	-132.9	277.3	275.8	36.8
1.0	15.0	0.0	1.0	0.0	-186.4	374.9	374.8	24.8
1.0	15.0	0.0	0.0	0.0	-152.6	307.2	307.1	9.0
1.0	15.0	3.0	0.0	0.0	-120.3	252.1	250.5	3.9
1.0	15.0	3.0	0.0	0.0	-118.0	247.4	245.9	3.8
1.0	15.0	0.0	0.0	0.0	-137.2	276.6	276.5	4.8
1.0	15.0	0.0	3.0	0.0	-128.1	267.7	266.1	4.5
0.6	15.0	4.0	0.0	0.0	-175.6	371.2	367.2	20.1
0.9	15.0	4.0	0.0	0.0	-156.0	323.5	321.9	15.7
1.0	15.0	2.0	0.0	0.0	-170.7	352.8	351.3	14.4
1.0	15.0	0.0	0.0	0.0	-127.9	257.9	257.8	4.1
0.8	15.0	3.0	0.0	0.0	-100.3	220.6	216.6	2.5
1.0	15.0	3.0	0.0	0.0	-101.8	215.2	213.6	1.8
1.0	15.0	0.0	0.0	0.0	-150.0	302.0	301.9	9.1
0.9	15.0	0.0	9.0	0.0	-117.8	255.6	251.6	3.7
1.0	15.0	9.0	0.0	0.0	-144.3	308.7	304.7	6.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	9.0	0.0	0.0	-178.9	377.8	373.8	17.2
1.0	15.0	0.0	0.0	0.0	-125.6	253.3	253.2	4.1
1.0	15.0	1.0	1.0	0.0	-140.2	292.0	290.4	6.2
1.0	15.0	0.0	0.0	0.0	-106.5	215.1	215.0	3.7
1.0	15.0	1.0	0.0	0.0	-116.0	243.5	241.9	20.5
1.0	15.0	0.0	1.0	0.0	-170.7	352.8	351.3	10.3
1.0	15.0	0.0	1.0	0.0	-141.5	294.5	293.0	7.9
1.0	15.0	0.0	0.0	0.0	-80.7	163.5	163.4	1.5
0.8	15.0	1.0	0.0	0.0	-105.0	221.6	220.1	5.4
1.0	15.0	0.0	2.0	0.0	-167.0	345.6	344.1	11.3
1.0	15.0	1.0	4.0	0.0	-129.8	271.0	269.5	6.0
0.5	15.0	5.0	0.0	0.0	-98.6	217.3	213.3	2.4
1.0	15.0	7.0	0.0	0.0	-75.9	163.4	161.9	1.1
1.0	15.0	0.0	1.0	0.0	-167.2	336.5	336.4	14.8
1.0	15.0	0.0	1.0	0.0	-128.4	268.3	266.8	4.3
1.0	15.0	0.0	1.0	0.0	-110.9	224.0	223.9	4.9
1.0	15.0	1.0	0.0	0.0	-91.2	194.0	192.4	7.1
1.0	15.0	0.0	1.0	0.0	-158.1	327.8	326.2	7.6
0.6	15.0	0.0	4.0	0.0	-126.1	272.1	268.1	5.1
1.0	15.0	4.0	0.0	0.0	-175.6	362.8	361.2	14.3
1.0	15.0	3.0	0.0	0.0	-131.5	274.5	272.9	5.5
1.0	15.0	0.0	0.0	0.0	-135.0	272.2	272.1	5.1
1.0	15.0	0.0	3.0	0.0	-119.2	250.0	248.5	4.3
1.0	15.0	4.0	0.0	0.0	-170.9	353.2	351.7	14.9
1.0	15.0	4.0	0.0	0.0	-135.0	281.6	280.1	11.8
1.0	15.0	0.0	0.0	0.0	-146.5	295.0	294.9	6.9
1.0	15.0	0.0	5.0	0.0	-137.3	286.1	284.6	5.2
0.7	15.0	6.0	0.0	0.0	-130.3	280.7	276.7	5.9
0.6	15.0	5.0	0.0	0.0	-131.8	283.7	279.7	5.5
1.0	15.0	0.0	1.0	0.0	-181.1	364.3	364.3	12.5
1.0	15.0	0.0	0.0	0.0	-130.7	263.4	263.3	4.2
1.0	15.0	5.0	0.0	0.0	-118.6	257.2	253.2	4.1
0.5	15.0	5.0	0.0	0.0	-126.0	271.9	267.9	4.6
1.0	15.0	0.0	5.0	0.0	-161.0	333.5	332.0	8.9
1.0	15.0	0.0	0.0	0.0	-131.3	264.6	264.5	4.2
0.6	15.0	6.0	0.0	0.0	-121.4	262.8	258.8	4.6
0.5	15.0	6.0	0.0	0.0	-103.6	227.2	223.2	2.8
1.0	15.0	0.0	3.0	0.0	-170.5	352.6	351.1	9.5
1.0	15.0	0.0	2.0	0.0	-119.3	250.2	248.6	3.5
1.0	15.0	2.0	0.0	0.0	-158.6	328.9	327.3	8.9
1.0	15.0	1.0	0.0	0.0	-130.4	272.4	270.8	4.3
1.0	15.0	0.0	0.0	0.0	-149.9	301.9	301.8	7.0
1.0	15.0	0.0	0.0	0.0	-138.8	279.6	279.5	6.2
1.0	15.0	3.0	0.0	0.0	-200.1	411.7	410.2	39.5
1.0	15.0	3.0	0.0	0.0	-170.7	352.9	351.4	25.6
1.0	15.0	0.0	0.0	0.0	-154.8	311.7	311.6	9.4



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-122.8	257.2	255.6	5.4
1.0	15.0	2.0	1.0	0.0	-116.0	252.1	248.1	5.0
1.0	15.0	3.0	0.0	0.0	-107.1	225.7	224.1	3.0
1.0	15.0	0.0	2.0	0.0	-172.2	355.9	354.4	10.2
1.0	15.0	0.0	4.0	0.0	-130.5	272.5	270.9	4.7
1.0	15.0	3.0	0.0	0.0	-120.7	261.4	257.4	7.0
0.6	15.0	3.0	0.0	0.0	-114.5	249.0	245.0	4.3
1.0	15.0	0.0	1.0	0.0	-172.0	346.1	346.0	11.1
1.0	15.0	0.0	0.0	0.0	-122.1	246.4	246.3	3.7
1.0	15.0	3.0	0.0	0.0	-163.0	337.5	335.9	9.3
1.0	15.0	2.0	0.0	0.0	-121.6	254.7	253.2	4.7
1.0	15.0	0.0	1.0	0.0	-165.2	332.5	332.4	8.5
1.0	15.0	0.0	0.0	0.0	-250.3	502.7	502.6	4.7
1.0	15.0	2.0	0.0	0.0	-327.4	665.6	664.8	10.2
1.0	15.0	1.0	0.0	0.0	-266.2	543.0	542.3	8.7
1.0	15.0	0.0	0.0	0.0	-309.8	621.7	621.6	7.7
1.0	15.0	0.0	0.0	0.0	-115.0	232.0	231.9	3.5
0.7	15.0	6.0	0.0	0.0	-162.6	345.1	341.1	12.9
1.0	15.0	4.0	0.0	0.0	-136.4	284.2	282.7	7.0
1.0	15.0	0.0	0.0	0.0	-144.5	291.1	291.0	5.8
1.0	15.0	0.0	0.0	0.0	-115.9	233.8	233.7	3.5
1.0	15.0	2.0	0.0	0.0	-176.6	364.7	363.1	12.2
1.0	15.0	2.0	0.0	0.0	-134.3	280.2	278.7	5.0
1.0	15.0	0.0	0.0	0.0	-126.9	256.0	255.9	4.7
1.0	15.0	0.0	0.0	0.0	-151.2	304.6	304.5	6.2
1.0	15.0	2.0	0.0	0.0	-139.5	290.5	289.0	6.8
1.0	15.0	3.0	0.0	0.0	-151.0	313.5	312.0	8.4
1.0	15.0	0.0	0.0	0.0	-133.3	268.7	268.6	5.9
1.0	15.0	0.0	0.0	0.0	-113.4	228.9	228.8	2.8
0.6	15.0	2.0	0.0	0.0	-176.0	371.9	367.9	15.0
0.9	15.0	2.0	0.0	0.0	-139.6	299.3	295.3	10.9
1.0	15.0	0.0	0.0	0.0	-145.8	293.7	293.6	5.9
1.0	15.0	0.0	4.0	0.0	-120.8	253.2	251.7	4.1
1.0	15.0	3.0	2.0	0.0	-129.9	279.8	275.8	4.7
1.0	15.0	4.0	0.0	0.0	-130.6	281.2	277.2	5.2
0.9	15.0	0.0	3.0	0.0	-138.5	288.6	287.0	5.4
1.0	15.0	0.0	3.0	0.0	-137.6	286.7	285.1	6.0
0.8	15.0	1.0	3.0	0.0	-191.4	403.0	398.9	40.4
0.9	15.0	2.0	1.0	0.0	-153.6	327.3	323.2	16.6
1.0	15.0	0.0	3.0	0.0	-163.7	338.9	337.4	11.1
1.0	15.0	0.0	2.0	0.0	-134.6	280.7	279.1	6.0
1.0	15.0	0.0	2.0	0.0	-109.3	230.2	228.7	2.4
1.0	15.0	2.0	0.0	0.0	-133.7	278.9	277.4	18.1
1.0	15.0	0.0	4.0	0.0	-171.3	354.1	352.6	10.9
1.0	15.0	0.0	3.0	0.0	-119.1	249.6	248.1	3.6
0.8	15.0	0.0	2.0	0.0	-81.4	174.3	172.7	1.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-104.7	220.9	219.4	19.5
1.0	15.0	0.0	4.0	0.0	-148.0	307.6	306.1	15.1
1.0	15.0	0.0	3.0	0.0	-138.7	288.8	287.3	5.5
1.0	15.0	0.0	0.0	0.0	-102.7	207.5	207.4	3.7
1.0	15.0	2.0	0.0	0.0	-114.6	240.7	239.1	6.8
1.0	15.0	0.0	3.0	0.0	-139.1	289.6	288.1	6.3
0.8	15.0	0.0	2.0	0.0	-136.5	284.6	283.0	6.2
1.0	15.0	0.0	0.0	0.0	-93.9	190.0	189.9	2.4
1.0	15.0	2.0	0.0	0.0	-66.2	144.0	142.4	0.7
1.0	15.0	0.0	2.0	0.0	-161.1	333.8	332.1	13.7
1.0	15.0	0.0	3.0	0.0	-121.8	255.1	253.6	4.1
1.0	15.0	0.0	2.0	0.0	-105.7	222.9	221.4	2.9
1.0	15.0	3.0	0.0	0.0	-113.7	239.0	237.5	6.9
1.0	15.0	0.0	3.0	0.0	-154.8	321.1	319.5	14.2
1.0	15.0	0.0	2.0	0.0	-129.2	270.0	268.5	4.4
1.0	15.0	0.0	3.0	0.0	-138.0	287.6	286.1	5.2
1.0	15.0	1.0	2.0	0.0	-141.9	295.3	293.8	6.2
1.0	15.0	0.0	2.0	0.0	-158.9	329.3	327.7	9.5
1.0	15.0	0.0	3.0	0.0	-131.7	274.9	273.3	4.5
1.0	15.0	0.0	0.0	0.0	-78.9	160.0	159.9	2.2
1.0	15.0	1.0	0.0	0.0	-101.0	213.5	211.9	14.3
1.0	15.0	0.0	3.0	0.0	-124.9	261.3	259.7	5.3
1.0	15.0	0.0	2.0	0.0	-141.9	295.4	293.8	9.4
1.0	15.0	2.0	0.0	0.0	-116.6	253.2	249.2	4.0
1.0	15.0	3.0	0.0	0.0	-116.1	243.7	242.2	5.3
1.0	15.0	0.0	2.0	0.0	-150.2	312.0	310.4	10.7
1.0	15.0	0.0	3.0	0.0	-109.3	230.2	228.7	2.6
1.0	15.0	3.0	0.0	0.0	-128.8	269.1	267.5	4.1
1.0	15.0	3.0	0.0	0.0	-122.4	256.3	254.8	4.4
1.0	15.0	0.0	0.0	0.0	-124.6	251.2	251.1	4.1
1.0	15.0	0.0	2.0	0.0	-144.9	301.3	299.8	5.7
1.0	15.0	1.0	1.0	0.0	-110.1	240.1	236.1	4.7
1.0	15.0	3.0	0.0	0.0	-145.6	302.8	301.2	17.6
1.0	15.0	0.0	2.0	0.0	-155.4	322.4	320.8	7.5
1.0	15.0	0.0	3.0	0.0	-137.5	286.4	284.9	7.7
0.9	15.0	3.0	0.0	0.0	-163.5	338.5	337.0	9.2
1.0	15.0	3.0	0.0	0.0	-150.0	311.6	310.0	6.9
1.0	15.0	0.0	2.0	0.0	-161.7	334.9	333.4	10.2
1.0	15.0	0.0	1.0	0.0	-130.1	271.8	270.3	6.9
1.0	15.0	0.0	1.0	0.0	-162.0	335.6	334.1	14.7
1.0	15.0	1.0	0.0	0.0	-131.6	283.2	279.2	13.6
1.0	15.0	0.0	1.0	0.0	-160.6	332.7	331.2	9.9
1.0	15.0	0.0	1.0	0.0	-152.8	317.1	315.6	7.6
1.0	15.0	0.0	0.0	0.0	-106.2	214.4	214.3	20.5
1.0	15.0	1.0	0.0	0.0	-121.8	255.2	253.6	15.1
1.0	15.0	0.0	2.0	0.0	-158.4	328.3	326.7	8.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-107.1	225.8	224.2	2.7
1.0	15.0	0.0	1.0	0.0	-104.5	220.4	218.9	2.0
1.0	15.0	1.0	0.0	0.0	-106.5	224.5	223.0	12.9
1.0	15.0	0.0	1.0	0.0	-163.4	338.2	336.7	9.0
1.0	15.0	0.0	3.0	0.0	-112.4	236.3	234.8	3.0
1.0	15.0	0.0	1.0	0.0	-132.1	275.7	274.2	6.5
1.0	15.0	3.0	0.0	0.0	-132.4	276.2	274.7	7.7
1.0	15.0	0.0	2.0	0.0	-131.2	274.0	272.4	5.0
1.0	15.0	0.0	1.0	0.0	-134.9	281.4	279.9	5.5
1.0	15.0	0.0	1.0	0.0	-108.1	227.7	226.2	2.3
1.0	15.0	1.0	0.0	0.0	-110.3	232.0	230.5	3.4
1.0	15.0	0.0	1.0	0.0	-169.0	349.5	348.0	11.3
1.0	15.0	0.0	2.0	0.0	-107.9	227.3	225.8	3.2
1.0	15.0	0.0	0.0	0.0	-65.9	134.0	133.9	2.0
1.0	15.0	1.0	0.0	0.0	-93.4	198.3	196.8	13.0
1.0	15.0	0.0	2.0	0.0	-147.7	307.0	305.5	6.3
1.0	15.0	0.0	1.0	0.0	-124.1	259.8	258.3	3.9
1.0	15.0	0.0	0.0	0.0	-93.9	190.0	189.9	21.5
1.0	15.0	1.0	0.0	0.0	-124.6	260.8	259.3	16.6
1.0	15.0	0.0	1.0	0.0	-158.4	328.4	326.8	8.6
1.0	15.0	0.0	1.0	0.0	-121.5	254.5	252.9	4.2
1.0	15.0	0.0	0.0	0.0	-68.4	138.8	138.7	1.6
1.0	15.0	1.0	0.0	0.0	-68.3	148.1	146.5	1.3
1.0	15.0	0.0	1.0	0.0	-122.7	257.0	255.4	5.7
1.0	15.0	0.0	3.0	0.0	-127.6	266.7	265.1	5.3
1.0	15.0	0.0	2.0	0.0	-140.6	292.7	291.1	7.1
1.0	15.0	3.0	0.0	0.0	-148.5	308.5	307.0	12.4
1.0	15.0	0.0	2.0	0.0	-150.7	313.0	311.5	9.5
1.0	15.0	0.0	1.0	0.0	-120.0	251.6	250.1	4.7
0.8	15.0	0.0	1.0	0.0	-153.7	318.9	317.3	17.1
1.0	15.0	1.0	0.0	0.0	-145.9	303.4	301.9	10.2
1.0	15.0	0.0	1.0	0.0	-159.3	330.1	328.6	9.5
1.0	15.0	0.0	1.0	0.0	-122.8	257.1	255.5	3.4
1.0	15.0	0.0	0.0	0.0	-58.9	119.9	119.8	0.7
1.0	15.0	1.0	0.0	0.0	-81.5	174.6	173.0	8.4
1.0	15.0	0.0	1.0	0.0	-122.9	257.3	255.7	3.5
1.0	15.0	0.0	2.0	0.0	-125.0	261.5	259.9	8.6
1.0	15.0	0.0	0.0	0.0	-86.2	174.5	174.4	3.2
1.0	15.0	1.0	0.0	0.0	-123.2	257.9	256.3	17.7
1.0	15.0	0.0	2.0	0.0	-174.7	361.0	359.5	11.3
1.0	15.0	0.0	1.0	0.0	-146.1	303.8	302.2	6.6
1.0	15.0	0.0	0.0	0.0	-69.8	141.8	141.7	1.2
0.6	15.0	1.0	0.0	0.0	-75.7	162.9	161.4	2.4
1.0	15.0	0.0	1.0	0.0	-146.0	303.5	302.0	7.1
1.0	15.0	0.0	1.0	0.0	-128.5	268.6	267.1	4.1
0.9	15.0	0.0	1.0	0.0	-107.5	226.5	225.0	2.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-102.5	216.6	215.1	2.9
1.0	15.0	0.0	1.0	0.0	-170.1	351.8	350.2	10.0
1.0	15.0	0.0	2.0	0.0	-298.9	615.6	613.9	9.4
1.0	15.0	1.0	2.0	0.0	-259.1	536.0	534.2	6.3
1.0	15.0	2.0	0.0	0.0	-267.0	551.7	549.9	10.6
1.0	15.0	0.0	1.0	0.0	-353.6	724.9	723.1	14.8
1.0	15.0	0.0	3.0	0.0	-134.4	280.4	278.9	4.6
0.8	15.0	5.0	0.0	0.0	-193.8	399.1	397.5	20.3
1.0	15.0	6.0	0.0	0.0	-166.5	353.0	349.0	9.7
1.0	15.0	0.0	0.0	0.0	-176.5	355.0	354.9	11.1
1.0	15.0	0.0	1.0	0.0	-111.7	234.8	233.3	2.8
1.0	15.0	0.0	0.0	0.0	-65.1	132.4	132.3	1.0
1.0	15.0	2.0	0.0	0.0	-68.9	149.4	147.8	0.7
1.0	15.0	0.0	0.0	0.0	-127.9	257.8	257.7	5.2
0.8	15.0	0.0	1.0	0.0	-133.3	278.2	276.6	7.3
1.0	15.0	0.0	0.0	0.0	-109.4	220.9	220.8	2.8
0.8	15.0	1.0	0.0	0.0	-102.1	215.7	214.1	8.4
1.0	15.0	0.0	0.0	0.0	-161.0	324.1	324.0	8.8
1.0	15.0	0.0	1.0	0.0	-156.6	324.8	323.3	8.0
1.0	15.0	0.0	0.0	0.0	-84.2	170.6	170.5	1.6
1.0	15.0	1.0	0.0	0.0	-106.4	224.3	222.7	11.0
1.0	15.0	0.0	0.0	0.0	-146.5	295.2	295.1	6.0
1.0	15.0	0.0	0.0	0.0	-114.3	230.6	230.5	3.4
1.0	15.0	1.0	0.0	0.0	-129.9	271.3	269.7	5.4
1.0	15.0	1.0	0.0	0.0	-125.8	263.1	261.6	4.9
1.0	15.0	0.0	0.0	0.0	-136.7	275.5	275.4	7.0
1.0	15.0	0.0	0.0	0.0	-121.4	245.0	244.9	3.9
1.0	15.0	2.0	0.0	0.0	-156.6	324.8	323.3	11.0
1.0	15.0	2.0	0.0	0.0	-125.8	263.2	261.6	5.5
1.0	15.0	0.0	0.0	0.0	-160.0	322.0	321.9	8.2
1.0	15.0	0.0	2.0	0.0	-121.9	255.4	253.8	3.9
1.0	15.0	2.0	0.0	0.0	-149.2	318.3	314.3	7.4
1.0	15.0	2.0	0.0	0.0	-105.7	231.3	227.3	2.5
1.0	15.0	0.0	0.0	0.0	-155.7	313.5	313.4	7.6
1.0	15.0	0.0	1.0	0.0	-117.3	246.2	244.7	4.2
1.0	15.0	0.0	1.0	0.0	-93.1	188.2	188.2	5.8
1.0	15.0	1.0	0.0	0.0	-108.9	229.3	227.8	16.1
1.0	15.0	0.0	1.0	0.0	-158.5	328.6	327.0	7.7
0.9	15.0	0.0	7.0	0.0	-126.1	272.3	268.3	4.3
1.0	15.0	9.0	0.0	0.0	-156.3	324.2	322.7	9.5
0.5	15.0	8.0	0.0	0.0	-168.9	357.8	353.8	11.5
1.0	15.0	0.0	0.0	0.0	-146.4	294.8	294.7	5.7
1.0	15.0	0.0	6.0	0.0	-137.1	285.7	284.1	5.4
0.7	15.0	7.0	0.0	0.0	-183.3	386.6	382.6	17.2
1.0	15.0	7.0	0.0	0.0	-162.9	337.2	335.7	10.7
1.0	15.0	0.0	0.0	0.0	-169.1	340.2	340.1	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-131.3	274.1	272.6	4.2
0.8	15.0	2.0	0.0	0.0	-106.9	233.9	229.9	2.3
1.0	15.0	0.0	0.0	0.0	-94.4	190.9	190.8	1.9
1.0	15.0	0.0	0.0	0.0	-149.3	300.7	300.6	6.6
0.9	15.0	0.0	9.0	0.0	-109.6	230.7	229.1	2.5
1.0	15.0	9.0	0.0	0.0	-145.2	301.9	300.4	7.4
0.9	15.0	9.0	0.0	0.0	-138.6	288.7	287.1	5.3
1.0	15.0	0.0	0.0	0.0	-135.9	273.9	273.9	5.2
1.0	15.0	0.0	9.0	0.0	-139.6	290.7	289.1	5.3
0.5	15.0	5.0	0.0	0.0	-203.8	427.6	423.6	22.9
0.9	15.0	5.0	0.0	0.0	-170.9	353.3	351.8	10.0
1.0	15.0	0.0	0.0	0.0	-153.0	308.2	308.1	6.7
1.0	15.0	0.0	0.0	0.0	-118.4	238.8	238.8	3.3
1.0	15.0	2.0	0.0	0.0	-136.5	284.5	283.0	4.6
1.0	15.0	3.0	0.0	0.0	-123.5	258.5	257.0	3.4
1.0	15.0	0.0	0.0	0.0	-119.2	240.4	240.3	5.0
1.0	15.0	0.0	3.0	0.0	-129.4	278.9	274.9	5.4
1.0	15.0	2.0	2.0	0.0	-174.5	369.0	365.0	23.4
1.0	15.0	2.0	1.0	0.0	-156.0	331.9	327.9	21.9
1.0	15.0	0.0	2.0	0.0	-165.0	341.4	339.9	10.8
1.0	15.0	0.0	3.0	0.0	-112.7	236.8	235.3	2.7
1.0	15.0	0.0	0.0	0.0	-114.5	231.0	230.9	4.0
1.0	15.0	3.0	0.0	0.0	-100.5	212.6	211.0	1.5
1.0	15.0	0.0	1.0	0.0	-162.9	337.2	335.7	9.0
1.0	15.0	0.0	3.0	0.0	-137.5	286.4	284.9	4.9
0.8	15.0	2.0	0.0	0.0	-121.6	263.2	259.2	5.1
1.0	15.0	2.0	0.0	0.0	-102.9	217.3	215.7	2.1
1.0	15.0	0.0	0.0	0.0	-163.6	329.3	329.2	8.8
1.0	15.0	0.0	0.0	0.0	-270.2	542.4	542.3	5.3
1.0	15.0	3.0	0.0	0.0	-242.2	495.1	494.4	5.1
1.0	15.0	2.0	0.0	0.0	-234.8	480.4	479.7	4.2
1.0	15.0	0.0	0.0	0.0	-335.5	673.0	672.9	9.9
1.0	15.0	0.0	1.0	0.0	-139.9	281.9	281.8	9.4
1.0	15.0	1.0	1.0	0.0	-175.9	371.9	367.9	21.5
1.0	15.0	2.0	1.0	0.0	-155.6	331.1	327.1	17.9
1.0	15.0	0.0	0.0	0.0	-137.8	277.7	277.6	6.0
1.0	15.0	0.0	2.0	0.0	-107.9	227.3	225.7	2.3
1.0	15.0	2.0	0.0	0.0	-126.4	264.3	262.8	11.2
1.0	15.0	2.0	0.0	0.0	-119.3	250.0	248.5	9.9
1.0	15.0	0.0	1.0	0.0	-183.0	368.2	368.1	14.5
1.0	15.0	0.0	3.0	0.0	-134.2	280.0	278.4	5.1
0.9	15.0	1.0	1.0	0.0	-120.7	261.4	257.4	4.7
1.0	15.0	2.0	0.0	0.0	-110.0	240.0	236.0	3.4
1.0	15.0	0.0	0.0	0.0	-171.5	345.2	345.1	11.1
1.0	15.0	0.0	1.0	0.0	-138.2	288.0	286.4	5.4
1.0	15.0	2.0	0.0	0.0	-146.9	305.2	303.7	13.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-142.8	297.0	295.5	12.9
1.0	15.0	0.0	0.0	0.0	-150.0	302.2	302.1	15.6
1.0	30.0	0.0	0.0	0.0	-233.1	468.2	468.2	3.5
1.0	30.0	3.0	0.0	0.0	-325.9	662.5	661.8	9.9
1.0	30.0	3.0	0.0	0.0	-266.6	543.8	543.1	5.1
1.0	30.0	0.0	0.0	0.0	-300.8	603.7	603.7	6.8
1.0	15.0	0.0	0.0	0.0	-137.3	276.7	276.7	6.1
1.0	15.0	3.0	0.0	0.0	-168.7	348.9	347.3	14.5
1.0	15.0	3.0	0.0	0.0	-128.5	268.5	267.0	6.3
1.0	15.0	0.0	0.0	0.0	-165.8	333.8	333.7	9.5
1.0	15.0	0.0	1.0	0.0	-113.1	237.8	236.3	3.6
1.0	15.0	0.0	0.0	0.0	-110.8	223.7	223.6	3.3
1.0	15.0	1.0	0.0	0.0	-111.1	233.8	232.3	11.5
1.0	15.0	0.0	2.0	0.0	-135.4	282.4	280.9	5.0
1.0	15.0	0.0	8.0	0.0	-150.5	321.0	317.0	7.9
0.9	15.0	3.0	1.0	0.0	-185.4	390.8	386.8	19.2
0.6	15.0	3.0	0.0	0.0	-170.8	361.6	357.6	15.0
1.0	15.0	1.0	1.0	0.0	-180.6	363.3	363.2	19.6
1.0	15.0	0.0	3.0	0.0	-140.5	292.5	290.9	6.3
1.0	15.0	1.0	1.0	0.0	-160.6	332.6	331.1	12.6
1.0	15.0	2.0	0.0	0.0	-144.0	299.6	298.1	7.4
1.0	15.0	0.0	0.0	0.0	-181.1	364.3	364.2	13.6
1.0	15.0	3.0	0.0	0.0	-143.2	297.9	296.3	5.8
1.0	15.0	2.0	0.0	0.0	-125.6	262.7	261.2	5.1
1.0	15.0	0.0	1.0	0.0	-135.5	273.1	273.0	5.2
1.0	15.0	0.0	0.0	0.0	-176.2	354.6	354.5	13.7
0.7	15.0	0.0	3.0	0.0	-137.6	295.3	291.3	5.4
0.9	15.0	7.0	0.0	0.0	-159.6	330.7	329.1	12.4
0.9	15.0	7.0	0.0	0.0	-145.4	310.8	306.8	13.7
1.0	15.0	0.0	1.0	0.0	-199.3	400.7	400.6	19.0
1.0	15.0	0.0	0.0	0.0	-119.0	240.1	240.0	3.6
0.7	15.0	3.0	0.0	0.0	-115.4	250.8	246.8	8.0
0.9	15.0	2.0	0.0	0.0	-115.3	242.1	240.6	7.1
1.0	15.0	0.0	1.0	0.0	-176.4	354.9	354.8	12.4
1.0	15.0	0.0	5.0	0.0	-118.3	248.1	246.5	3.0
0.8	15.0	6.0	0.0	0.0	-148.8	309.1	307.5	6.9
1.0	15.0	6.0	0.0	0.0	-136.1	283.8	282.2	6.7
1.0	15.0	0.0	1.0	0.0	-159.5	321.2	321.1	9.8
1.0	15.0	0.0	0.0	0.0	-129.7	261.6	261.5	4.0
1.0	15.0	1.0	0.0	0.0	-106.1	223.7	222.1	2.6
1.0	15.0	1.0	0.0	0.0	-103.3	218.2	216.7	2.1
1.0	15.0	0.0	0.0	0.0	-149.5	301.2	301.1	6.1
1.0	15.0	0.0	0.0	0.0	-135.1	272.4	272.3	5.6
1.0	15.0	2.0	1.0	0.0	-161.0	333.6	332.1	18.0
1.0	15.0	2.0	1.0	0.0	-129.5	270.6	269.1	7.3
1.0	15.0	0.0	0.0	0.0	-141.0	284.1	284.0	5.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-745.1	1492.2	1492.2	3.8
1.0	15.0	2.0	0.0	0.0	-697.6	1405.4	1405.1	3.6
1.0	15.0	3.0	0.0	0.0	-618.3	1246.7	1246.5	1.9
1.0	15.0	0.0	0.0	0.0	-980.6	1963.1	1963.1	9.0
1.0	23.0	0.0	0.0	0.0	-367.5	737.1	737.1	3.5
1.0	23.0	3.0	0.0	0.0	-329.3	669.2	668.7	2.4
1.0	23.0	3.0	0.0	0.0	-307.2	624.8	624.3	1.8
1.0	23.0	0.0	0.0	0.0	-463.3	928.6	928.6	7.2
1.0	15.0	0.0	0.0	0.0	-809.7	1621.5	1621.4	4.7
1.0	15.0	2.0	0.0	0.0	-746.3	1502.9	1502.7	11.5
1.0	15.0	3.0	0.0	0.0	-701.9	1414.1	1413.9	6.7
1.0	15.0	0.0	0.0	0.0	-1027.5	2057.0	2057.0	10.2
1.0	15.0	0.0	0.0	0.0	-124.4	250.9	250.8	4.0
1.0	15.0	4.0	0.0	0.0	-154.3	320.1	318.5	9.2
1.0	15.0	3.0	0.0	0.0	-122.7	257.0	255.5	3.8
1.0	15.0	0.0	0.0	0.0	-141.9	285.9	285.8	5.9
1.0	15.0	0.0	0.0	0.0	-118.2	238.6	238.5	3.5
1.0	15.0	2.0	0.0	0.0	-160.7	332.9	331.3	8.2
1.0	15.0	1.0	0.0	0.0	-117.7	246.9	245.4	3.6
1.0	15.0	0.0	0.0	0.0	-138.4	278.8	278.7	5.5
1.0	15.0	0.0	0.0	0.0	-109.1	220.4	220.3	2.8
1.0	15.0	3.0	0.0	0.0	-145.6	302.8	301.3	15.1
1.0	15.0	3.0	0.0	0.0	-127.0	265.5	264.0	6.6
1.0	15.0	0.0	0.0	0.0	-175.2	352.6	352.5	12.1
1.0	15.0	0.0	0.0	0.0	-98.4	199.0	198.9	2.0
1.0	15.0	1.0	0.0	0.0	-87.9	187.4	185.9	6.3
1.0	15.0	2.0	0.0	0.0	-74.9	161.4	159.8	3.7
1.0	15.0	0.0	0.0	0.0	-145.6	293.3	293.2	6.3
1.0	15.0	0.0	0.0	0.0	-114.8	231.6	231.5	3.0
1.0	15.0	1.0	0.0	0.0	-120.8	253.0	251.5	9.1
1.0	15.0	1.0	0.0	0.0	-112.8	237.1	235.5	5.4
1.0	15.0	0.0	0.0	0.0	-148.0	298.0	297.9	6.6
1.0	15.0	0.0	0.0	0.0	-115.8	233.6	233.5	2.9
1.0	15.0	3.0	0.0	0.0	-128.8	269.1	267.6	25.3
1.0	15.0	2.0	0.0	0.0	-112.3	236.2	234.7	16.4
1.0	15.0	0.0	0.0	0.0	-161.4	324.9	324.8	8.0
1.0	15.0	0.0	0.0	0.0	-129.1	260.3	260.2	4.6
1.0	15.0	2.0	0.0	0.0	-152.5	316.6	315.0	9.2
1.0	15.0	1.0	0.0	0.0	-116.1	243.7	242.2	5.5
1.0	15.0	0.0	0.0	0.0	-140.7	283.4	283.3	6.3
1.0	15.0	0.0	0.0	0.0	-126.9	255.9	255.8	4.1
1.0	15.0	2.0	0.0	0.0	-173.0	357.6	356.1	11.0
1.0	15.0	2.0	0.0	0.0	-117.8	247.2	245.7	3.6
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	5.0
1.0	15.0	0.0	3.0	0.0	-258.7	528.2	527.5	5.2
1.0	15.0	4.0	0.0	0.0	-292.8	596.3	595.5	13.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-292.3	595.3	594.6	12.5
1.0	15.0	0.0	0.0	0.0	-264.7	531.4	531.3	5.0
1.0	15.0	0.0	2.0	0.0	-116.0	252.1	248.1	4.1
1.0	15.0	3.0	1.0	0.0	-178.6	377.3	373.3	29.9
1.0	15.0	3.0	1.0	0.0	-154.7	329.3	325.3	16.3
1.0	15.0	0.0	1.0	0.0	-163.5	338.5	337.0	9.2
1.0	15.0	1.0	0.0	0.0	-129.9	271.3	269.7	4.5
1.0	15.0	2.0	0.0	0.0	-111.6	234.7	233.2	3.0
1.0	15.0	2.0	0.0	0.0	-108.7	228.9	227.4	2.4
1.0	15.0	0.0	0.0	0.0	-156.1	314.3	314.2	8.5
1.0	15.0	0.0	3.0	0.0	-118.2	248.0	246.4	3.3
1.0	15.0	2.0	0.0	0.0	-85.7	182.9	181.3	1.8
1.0	15.0	2.0	0.0	0.0	-76.9	165.2	163.7	1.8
0.9	15.0	0.0	2.0	0.0	-133.2	277.9	276.3	6.9
1.0	15.0	0.0	0.0	0.0	-121.5	245.1	245.0	4.1
1.0	15.0	2.0	0.0	0.0	-106.7	224.8	223.3	3.2
1.0	15.0	3.0	0.0	0.0	-101.1	213.7	212.2	2.3
1.0	15.0	0.0	0.0	0.0	-181.3	364.8	364.7	13.5
1.0	15.0	0.0	4.0	0.0	-124.3	268.5	264.5	4.6
1.0	15.0	4.0	0.0	0.0	-191.6	403.2	399.2	47.2
1.0	15.0	5.0	0.0	0.0	-205.7	431.4	427.4	91.7
1.0	15.0	0.0	0.0	0.0	-156.3	314.7	314.6	7.9
1.0	15.0	0.0	4.0	0.0	-329.4	669.5	668.8	9.5
1.0	15.0	4.0	2.0	0.0	-397.2	812.1	810.3	31.2
1.0	15.0	4.0	1.0	0.0	-350.7	719.3	717.5	17.0
1.0	15.0	0.0	3.0	0.0	-319.7	650.0	649.3	9.6
1.0	15.0	1.0	0.0	0.0	-292.5	595.8	595.1	6.8
1.0	15.0	4.0	0.0	0.0	-331.0	672.6	671.9	33.0
1.0	15.0	4.0	0.0	0.0	-278.8	568.3	567.6	18.5
1.0	15.0	0.0	1.0	0.0	-356.7	724.1	723.4	12.7
1.0	15.0	0.0	2.0	0.0	-226.6	463.9	463.1	3.2
1.0	15.0	3.0	0.0	0.0	-197.2	405.0	404.3	3.6
1.0	15.0	3.0	0.0	0.0	-205.6	421.9	421.2	6.3
1.0	15.0	0.0	4.0	0.0	-283.2	577.1	576.4	8.0
1.0	15.0	0.0	0.0	0.0	-265.9	533.8	533.8	5.4
1.0	15.0	4.0	0.0	0.0	-265.0	540.6	539.9	11.4
1.0	15.0	3.0	0.0	0.0	-235.2	481.2	480.5	6.7
1.0	15.0	0.0	1.0	0.0	-365.6	733.2	733.1	14.9
1.0	15.0	0.0	0.0	0.0	-287.9	577.9	577.9	5.6
1.0	15.0	3.0	0.0	0.0	-205.5	421.7	421.0	4.4
1.0	15.0	3.0	0.0	0.0	-159.0	328.8	328.1	1.8
1.0	15.0	0.0	0.0	0.0	-332.8	667.6	667.5	12.3
1.0	15.0	0.0	6.0	0.0	-297.7	613.2	611.5	8.3
1.0	15.0	6.0	0.0	0.0	-384.9	787.6	785.8	36.0
1.0	15.0	6.0	0.0	0.0	-419.6	857.0	855.2	53.5
1.0	15.0	0.0	0.0	0.0	-348.8	699.6	699.6	11.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-104.1	219.8	218.3	2.1
1.0	15.0	0.0	0.0	0.0	-56.2	114.5	114.4	0.6
0.9	15.0	2.0	0.0	0.0	-71.5	154.5	153.0	1.2
1.0	15.0	1.0	1.0	0.0	-138.3	288.1	286.5	5.9
1.0	15.0	0.0	1.0	0.0	-111.2	234.0	232.5	2.9
1.0	15.0	1.0	0.0	0.0	-109.1	229.6	228.1	5.1
1.0	15.0	1.0	0.0	0.0	-103.5	218.5	217.0	4.4
1.0	15.0	0.0	0.0	0.0	-176.8	355.7	355.6	12.4
1.0	15.0	0.0	0.0	0.0	-125.2	252.4	252.3	4.1
0.8	15.0	2.0	0.0	0.0	-150.8	321.6	317.6	13.5
0.9	15.0	4.0	0.0	0.0	-153.3	318.1	316.6	11.2
1.0	15.0	0.0	0.0	0.0	-135.5	273.2	273.1	4.7
1.0	15.0	0.0	1.0	0.0	-129.1	269.7	268.1	4.5
1.0	15.0	1.0	0.0	0.0	-126.1	263.8	262.3	7.5
1.0	15.0	1.0	0.0	0.0	-114.8	241.2	239.6	4.2
1.0	15.0	0.0	1.0	0.0	-181.6	365.3	365.2	14.2
1.0	15.0	0.0	0.0	0.0	-131.7	265.6	265.5	5.2
1.0	15.0	2.0	0.0	0.0	-174.5	360.5	359.0	16.9
1.0	15.0	3.0	0.0	0.0	-144.0	299.4	297.9	8.6
1.0	15.0	0.0	0.0	0.0	-144.4	290.9	290.8	6.6
1.0	15.0	0.0	0.0	0.0	-123.9	249.9	249.8	3.6
1.0	15.0	1.0	0.0	0.0	-111.1	233.8	232.3	2.6
1.0	15.0	1.0	0.0	0.0	-108.0	227.5	226.0	2.5
1.0	15.0	0.0	0.0	0.0	-150.8	303.8	303.7	6.7
0.7	15.0	0.0	4.0	0.0	-788.8	1587.8	1587.5	4.7
0.9	15.0	5.0	0.0	0.0	-1079.9	2170.0	2169.8	16.8
1.0	15.0	5.0	0.0	0.0	-886.5	1783.1	1782.9	8.0
1.0	15.0	0.0	0.0	0.0	-917.5	1837.0	1837.0	8.2
0.6	15.0	0.0	5.0	0.0	-516.2	1042.7	1042.4	4.4
0.6	15.0	4.0	0.0	0.0	-675.0	1366.8	1365.9	10.6
1.0	15.0	4.0	0.0	0.0	-550.7	1111.8	1111.5	6.2
1.0	15.0	0.0	0.0	0.0	-628.5	1259.0	1259.0	8.1
0.7	15.0	0.0	5.0	0.0	-933.2	1876.7	1876.5	4.6
0.7	15.0	5.0	0.0	0.0	-1217.6	2445.4	2445.2	12.5
0.8	15.0	5.0	0.0	0.0	-988.9	1994.3	1993.8	7.6
1.0	15.0	0.0	0.0	0.0	-1016.4	2034.8	2034.8	6.3
1.0	15.0	1.0	5.0	0.0	-123.7	267.5	263.4	6.0
0.9	15.0	5.0	1.0	0.0	-168.6	348.8	347.2	41.7
1.0	15.0	5.0	1.0	0.0	-154.7	320.9	319.3	31.1
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	9.4
0.8	15.0	0.0	3.0	0.0	-116.8	253.6	249.6	3.3
1.0	15.0	2.0	0.0	0.0	-128.6	277.2	273.2	7.5
1.0	15.0	2.0	0.0	0.0	-119.1	258.2	254.2	5.3
1.0	15.0	0.0	0.0	0.0	-164.2	330.4	330.3	8.5
1.0	15.0	0.0	5.0	0.0	-132.5	276.6	275.0	5.0
1.0	15.0	3.0	0.0	0.0	-171.5	354.6	353.0	15.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-139.5	290.6	289.0	7.5
1.0	15.0	0.0	0.0	0.0	-164.4	331.0	330.9	8.6
1.0	15.0	0.0	3.0	0.0	-118.0	247.5	245.9	3.4
1.0	15.0	0.0	0.0	0.0	-164.3	330.6	330.5	14.3
1.0	15.0	2.0	0.0	0.0	-131.4	274.3	272.8	6.8
1.0	15.0	0.0	0.0	0.0	-128.2	258.4	258.3	4.3
1.0	15.0	0.0	2.0	0.0	-113.1	237.7	236.2	2.7
1.0	15.0	0.0	0.0	0.0	-83.2	168.6	168.5	1.5
1.0	15.0	4.0	0.0	0.0	-72.2	155.9	154.3	0.9
1.0	15.0	0.0	0.0	0.0	-130.4	262.8	262.7	4.4
1.0	15.0	0.0	2.0	0.0	-130.0	271.5	269.9	4.8
0.9	15.0	3.0	0.0	0.0	-164.9	341.4	339.8	12.9
1.0	15.0	2.0	0.0	0.0	-138.9	289.3	287.8	9.5
1.0	15.0	0.0	0.0	0.0	-133.3	268.7	268.6	4.6
1.0	15.0	0.0	2.0	0.0	-106.4	224.3	222.7	2.2
1.0	15.0	0.0	0.0	0.0	-74.5	151.2	151.1	1.1
1.0	15.0	4.0	0.0	0.0	-73.9	159.3	157.7	0.9
1.0	15.0	0.0	0.0	0.0	-140.5	283.2	283.1	5.7
1.0	15.0	0.0	0.0	0.0	-140.6	283.4	283.3	5.4
1.0	15.0	2.0	0.0	0.0	-168.1	347.9	346.3	14.1
1.0	15.0	1.0	0.0	0.0	-141.6	294.8	293.2	6.9
1.0	15.0	0.0	0.0	0.0	-151.0	304.1	304.0	6.3
1.0	15.0	0.0	2.0	0.0	-113.5	238.5	237.0	2.8
1.0	15.0	2.0	1.0	0.0	-130.1	280.2	276.2	4.7
1.0	15.0	4.0	0.0	0.0	-150.5	312.5	310.9	8.6
1.0	15.0	0.0	2.0	0.0	-132.1	275.7	274.1	6.0
1.0	15.0	0.0	1.0	0.0	-124.3	260.1	258.6	10.2
0.9	15.0	3.0	1.0	0.0	-176.6	373.3	369.2	38.1
0.9	15.0	2.0	1.0	0.0	-140.5	301.0	296.9	11.0
1.0	15.0	0.0	1.0	0.0	-157.1	325.8	324.3	12.1
1.0	15.0	0.0	1.0	0.0	-134.4	280.3	278.8	5.1
0.9	15.0	0.0	1.0	0.0	-102.8	217.2	215.7	1.8
1.0	15.0	1.0	0.0	0.0	-115.9	243.2	241.7	5.6
1.0	15.0	0.0	1.0	0.0	-178.9	369.3	367.8	14.6
1.0	15.0	0.0	1.0	0.0	-111.3	234.1	232.5	9.6
1.0	15.0	0.0	0.0	0.0	-66.6	135.3	135.3	1.3
1.0	15.0	1.0	0.0	0.0	-95.1	201.7	200.1	12.4
1.0	15.0	0.0	2.0	0.0	-140.9	293.4	291.8	9.2
1.0	15.0	0.0	1.0	0.0	-133.6	278.8	277.2	5.9
1.0	15.0	0.0	0.0	0.0	-77.7	157.5	157.4	2.6
1.0	15.0	1.0	0.0	0.0	-98.3	208.1	206.6	16.5
1.0	15.0	0.0	1.0	0.0	-153.7	318.9	317.4	6.9
1.0	15.0	0.0	1.0	0.0	-117.5	246.6	245.0	3.5
1.0	15.0	0.0	0.0	0.0	-65.5	133.1	133.0	1.5
1.0	15.0	1.0	0.0	0.0	-68.9	149.3	147.7	1.4
1.0	15.0	0.0	1.0	0.0	-146.6	304.7	303.2	8.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-138.8	289.1	287.6	4.6
1.0	15.0	0.0	1.0	0.0	-102.6	207.2	207.1	5.1
0.9	15.0	1.0	0.0	0.0	-105.5	222.5	220.9	5.6
1.0	15.0	0.0	1.0	0.0	-153.8	319.1	317.5	6.9
1.0	15.0	0.0	1.0	0.0	-127.3	266.1	264.6	9.9
0.8	15.0	3.0	1.0	0.0	-148.9	317.9	313.9	13.0
0.6	15.0	4.0	0.0	0.0	-127.8	275.6	271.6	8.7
1.0	15.0	0.0	1.0	0.0	-157.1	325.6	324.1	14.2
1.0	15.0	0.0	0.0	0.0	-151.3	304.7	304.7	13.3
1.0	15.0	2.0	0.0	0.0	-176.2	364.0	362.5	41.3
0.7	15.0	1.0	0.0	0.0	-142.9	287.8	287.8	13.1
1.0	15.0	0.0	1.0	0.0	-185.7	373.5	373.4	23.1
1.0	15.0	0.0	1.0	0.0	-131.8	275.2	273.6	11.4
1.0	15.0	0.0	0.0	0.0	-117.4	236.8	236.7	5.7
1.0	15.0	1.0	0.0	0.0	-109.9	231.4	229.9	17.1
1.0	15.0	0.0	2.0	0.0	-155.1	321.8	320.2	10.7
1.0	15.0	0.0	0.0	0.0	-251.4	504.8	504.7	4.5
1.0	15.0	1.0	0.0	0.0	-335.0	680.7	680.0	12.3
1.0	15.0	1.0	0.0	0.0	-267.9	546.6	545.9	5.5
1.0	15.0	0.0	0.0	0.0	-270.4	542.9	542.9	5.1
1.0	15.0	0.0	0.0	0.0	-270.8	543.7	543.7	5.4
1.0	15.0	2.0	0.0	0.0	-325.1	660.9	660.2	9.9
1.0	15.0	2.0	0.0	0.0	-267.2	545.1	544.4	6.5
1.0	15.0	0.0	0.0	0.0	-290.0	582.1	582.1	6.5
1.0	15.0	0.0	2.0	0.0	-120.2	252.0	250.4	3.4
0.9	15.0	5.0	0.0	0.0	-167.0	345.6	344.0	10.3
0.9	15.0	5.0	0.0	0.0	-154.2	320.0	318.3	11.0
1.0	15.0	0.0	0.0	0.0	-136.7	275.6	275.5	5.3
1.0	15.0	0.0	3.0	0.0	-125.5	262.6	261.0	4.9
0.9	15.0	4.0	0.0	0.0	-180.6	372.8	371.3	18.3
0.7	15.0	5.0	0.0	0.0	-136.6	293.2	289.2	7.5
1.0	15.0	0.0	1.0	0.0	-151.2	304.4	304.3	13.4
1.0	15.0	0.0	1.0	0.0	-132.3	276.2	274.7	8.0
0.9	15.0	6.0	1.0	0.0	-171.8	363.7	359.7	32.8
0.9	15.0	5.0	1.0	0.0	-145.2	310.4	306.4	13.3
1.0	15.0	0.0	1.0	0.0	-134.5	280.6	279.0	7.7
1.0	15.0	0.0	1.0	0.0	-112.7	236.9	235.4	3.5
1.0	15.0	0.0	0.0	0.0	-80.6	163.3	163.2	2.0
0.6	15.0	1.0	0.0	0.0	-94.2	200.0	198.4	3.4
1.0	15.0	0.0	0.0	0.0	-149.0	300.1	300.0	7.0
1.0	15.0	0.0	1.0	0.0	-117.9	247.3	245.7	3.9
1.0	15.0	0.0	0.0	0.0	-55.1	112.3	112.2	0.6
0.6	15.0	1.0	0.0	0.0	-74.2	160.0	158.5	1.6
1.0	15.0	0.0	0.0	0.0	-125.5	253.2	253.1	5.4
1.0	15.0	0.0	0.0	0.0	-105.6	213.3	213.2	3.2
0.9	15.0	2.0	0.0	0.0	-173.5	358.6	357.1	11.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-133.8	279.2	277.6	6.8
1.0	15.0	0.0	0.0	0.0	-163.7	329.6	329.5	8.9
0.9	15.0	0.0	2.0	0.0	-742.6	1495.5	1495.2	4.0
0.9	15.0	3.0	0.0	0.0	-1055.5	2121.3	2121.1	14.1
0.5	15.0	3.0	0.0	0.0	-807.2	1631.0	1630.4	6.1
1.0	15.0	0.0	0.0	0.0	-921.8	1845.7	1845.7	7.2
1.0	15.0	0.0	3.0	0.0	-541.4	1093.1	1092.8	5.3
0.9	15.0	4.0	0.0	0.0	-704.6	1419.5	1419.2	14.0
1.0	15.0	4.0	0.0	0.0	-554.4	1119.2	1118.9	6.6
1.0	15.0	0.0	0.0	0.0	-677.9	1357.9	1357.9	10.2
1.0	15.0	0.0	3.0	0.0	-818.6	1647.5	1647.3	5.3
1.0	15.0	4.0	0.0	0.0	-1013.9	2044.4	2043.9	11.4
1.0	15.0	4.0	0.0	0.0	-886.7	1789.9	1789.4	10.1
1.0	15.0	0.0	0.0	0.0	-952.5	1907.0	1907.0	8.0
1.0	15.0	0.0	1.0	0.0	-755.1	1520.5	1520.3	4.0
1.0	15.0	0.0	0.0	0.0	-686.5	1374.9	1374.9	3.4
1.0	15.0	1.0	0.0	0.0	-655.6	1321.4	1321.2	2.8
1.0	15.0	1.0	0.0	0.0	-1053.5	2109.1	2109.1	11.9
1.0	15.0	0.0	0.0	0.0	-140.3	282.7	282.6	6.1
1.0	15.0	2.0	0.0	0.0	-168.9	349.4	347.8	14.6
1.0	15.0	2.0	0.0	0.0	-124.6	260.8	259.2	5.0
1.0	15.0	0.0	0.0	0.0	-153.2	308.5	308.4	7.8
1.0	15.0	0.0	1.0	0.0	-257.2	525.1	524.4	4.1
1.0	15.0	0.0	0.0	0.0	-197.7	397.5	397.4	2.3
1.0	15.0	1.0	0.0	0.0	-235.3	481.2	480.5	6.1
1.0	15.0	0.0	1.0	0.0	-287.5	585.7	585.0	6.0
1.0	15.0	0.0	3.0	0.0	-141.9	295.3	293.8	6.2
1.0	15.0	2.0	1.0	0.0	-156.8	333.7	329.7	8.9
0.7	15.0	3.0	0.0	0.0	-148.5	316.9	312.9	10.7
1.0	15.0	0.0	2.0	0.0	-146.7	305.0	303.5	5.9
1.0	15.0	0.0	2.0	0.0	-131.6	274.8	273.3	4.5
1.0	15.0	1.0	1.0	0.0	-153.5	327.0	323.0	17.1
1.0	15.0	1.0	0.0	0.0	-133.0	286.0	282.0	8.7
1.0	15.0	0.0	1.0	0.0	-158.5	328.6	327.1	9.8
1.0	15.0	0.0	1.0	0.0	-127.1	265.7	264.2	5.3
0.6	15.0	0.0	1.0	0.0	-108.5	228.4	226.9	2.4
0.6	15.0	1.0	0.0	0.0	-115.1	241.8	240.2	8.4
1.0	15.0	0.0	1.0	0.0	-144.9	301.3	299.8	6.5
1.0	15.0	0.0	2.0	0.0	-108.3	228.1	226.5	2.4
1.0	15.0	0.0	0.0	0.0	-68.4	138.8	138.8	1.1
1.0	15.0	1.0	0.0	0.0	-85.0	181.6	180.1	8.0
1.0	15.0	0.0	2.0	0.0	-118.7	249.0	247.4	3.5
1.0	15.0	0.0	1.0	0.0	-161.7	335.0	333.5	10.9
1.0	15.0	1.0	0.0	0.0	-86.4	174.9	174.9	4.7
1.0	15.0	1.0	0.0	0.0	-105.5	222.5	221.0	9.2
1.0	15.0	0.0	1.0	0.0	-162.9	327.9	327.8	21.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-145.7	303.0	301.4	6.0
1.0	15.0	0.0	0.0	0.0	-73.7	149.5	149.4	1.5
1.0	15.0	1.0	0.0	0.0	-69.0	149.5	148.0	1.2
1.0	15.0	0.0	1.0	0.0	-136.6	284.8	283.2	7.1
1.0	15.0	0.0	1.0	0.0	-125.7	262.9	261.4	6.9
1.0	15.0	0.0	0.0	0.0	-100.3	202.7	202.6	3.7
1.0	15.0	1.0	0.0	0.0	-106.0	223.6	222.0	13.8
1.0	15.0	0.0	1.0	0.0	-157.4	326.4	324.9	9.7
1.0	15.0	0.0	0.0	0.0	-124.9	251.9	251.8	3.8
1.0	15.0	4.0	0.0	0.0	-159.1	329.8	328.2	12.0
0.8	15.0	2.0	0.0	0.0	-125.9	263.4	261.8	5.6
1.0	15.0	0.0	1.0	0.0	-150.9	303.8	303.7	10.2
1.0	15.0	0.0	0.0	0.0	-116.5	235.1	235.0	3.6
1.0	15.0	3.0	0.0	0.0	-130.0	271.6	270.0	10.7
1.0	15.0	3.0	0.0	0.0	-131.6	274.8	273.2	10.8
1.0	15.0	0.0	0.0	0.0	-146.1	294.2	294.2	6.0
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	6.6
1.0	15.0	2.0	0.0	0.0	-127.9	267.4	265.8	3.9
1.0	15.0	1.0	0.0	0.0	-127.8	267.1	265.5	5.0
1.0	15.0	0.0	0.0	0.0	-127.6	257.4	257.3	4.7
1.0	15.0	0.0	3.0	0.0	-120.7	252.9	251.4	5.0
1.0	15.0	1.0	1.0	0.0	-134.9	281.3	279.8	7.0
1.0	15.0	3.0	0.0	0.0	-125.1	261.7	260.1	7.0
1.0	15.0	0.0	3.0	0.0	-152.2	316.0	314.5	8.6
1.0	15.0	0.0	1.0	0.0	-143.2	297.9	296.3	7.4
1.0	15.0	0.0	2.0	0.0	-110.0	231.5	229.9	2.5
1.0	15.0	1.0	0.0	0.0	-116.7	245.0	243.5	12.6
1.0	15.0	0.0	2.0	0.0	-170.2	352.0	350.5	12.2
1.0	15.0	0.0	1.0	0.0	-114.0	239.6	238.0	4.0
1.0	15.0	0.0	0.0	0.0	-64.1	130.3	130.2	0.9
1.0	15.0	1.0	0.0	0.0	-80.9	173.2	171.7	5.2
1.0	15.0	0.0	2.0	0.0	-139.9	291.3	289.8	6.2
1.0	15.0	0.0	1.0	0.0	-126.2	264.0	262.5	4.2
1.0	15.0	0.0	0.0	0.0	-69.8	141.8	141.7	2.6
1.0	15.0	1.0	0.0	0.0	-68.6	148.8	147.3	1.3
1.0	15.0	0.0	1.0	0.0	-125.5	262.4	260.9	6.6
1.0	15.0	0.0	1.0	0.0	-112.8	237.0	235.5	2.6
1.0	15.0	2.0	1.0	0.0	-101.1	222.2	218.2	1.7
1.0	15.0	1.0	0.0	0.0	-85.6	182.8	181.3	2.3
1.0	15.0	0.0	1.0	0.0	-171.7	354.9	353.4	11.1
1.0	15.0	0.0	2.0	0.0	-113.4	238.3	236.7	3.2
1.0	15.0	1.0	1.0	0.0	-144.7	309.3	305.3	6.4
1.0	15.0	2.0	0.0	0.0	-137.4	286.3	284.8	5.4
1.0	15.0	0.0	1.0	0.0	-145.4	302.4	300.8	6.9
1.0	15.0	0.0	1.0	0.0	-114.0	239.6	238.1	3.3
1.0	15.0	0.0	0.0	0.0	-96.4	195.0	194.9	2.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-93.3	198.1	196.5	7.2
1.0	15.0	0.0	1.0	0.0	-141.6	294.7	293.1	6.3
1.0	15.0	0.0	2.0	0.0	-133.9	279.4	277.8	4.9
1.0	15.0	0.0	0.0	0.0	-131.8	265.6	265.5	5.3
1.0	15.0	1.0	0.0	0.0	-128.7	268.9	267.4	5.0
1.0	15.0	0.0	0.0	0.0	-129.8	261.7	261.6	4.0
1.0	15.0	0.0	0.0	0.0	-141.7	285.6	285.5	6.2
1.0	15.0	3.0	0.0	0.0	-146.4	304.4	302.8	6.6
1.0	15.0	3.0	0.0	0.0	-125.1	261.7	260.2	4.5
1.0	15.0	0.0	0.0	0.0	-136.2	274.6	274.5	4.7
1.0	15.0	0.0	0.0	0.0	-129.2	260.4	260.3	6.3
1.0	15.0	2.0	0.0	0.0	-167.6	346.7	345.2	41.5
1.0	15.0	2.0	0.0	0.0	-134.3	280.1	278.6	19.6
1.0	15.0	0.0	1.0	0.0	-145.0	292.2	292.1	9.9
0.8	15.0	0.0	2.0	0.0	-129.8	271.1	269.6	4.3
1.0	15.0	2.0	0.0	0.0	-156.1	323.8	322.2	10.6
1.0	15.0	2.0	0.0	0.0	-134.8	281.2	279.7	8.6
1.0	15.0	0.0	0.0	0.0	-151.1	304.3	304.2	6.8
1.0	15.0	0.0	1.0	0.0	-125.6	262.7	261.1	4.0
1.0	15.0	2.0	0.0	0.0	-160.1	331.8	330.3	9.6
1.0	15.0	2.0	0.0	0.0	-147.5	306.6	305.0	9.1
1.0	15.0	0.0	0.0	0.0	-144.7	291.5	291.4	6.5
1.0	15.0	0.0	0.0	0.0	-130.1	262.4	262.3	4.2
1.0	15.0	1.0	0.0	0.0	-152.9	317.3	315.8	7.1
1.0	15.0	1.0	0.0	0.0	-112.3	236.0	234.5	2.6
1.0	15.0	0.0	0.0	0.0	-154.8	311.7	311.6	8.3
1.0	15.0	0.0	5.0	0.0	-132.5	276.6	275.0	9.4
1.0	15.0	2.0	3.0	0.0	-138.8	297.6	293.6	16.0
1.0	15.0	2.0	0.0	0.0	-136.8	293.6	289.6	18.5
1.0	15.0	3.0	0.0	0.0	-155.2	321.9	320.3	11.9
1.0	15.0	0.0	0.0	0.0	-147.2	296.4	296.3	6.6
0.9	15.0	5.0	0.0	0.0	-197.1	405.8	404.3	38.1
1.0	15.0	4.0	0.0	0.0	-173.0	357.5	355.9	19.8
1.0	15.0	0.0	5.0	0.0	-185.8	383.1	381.6	17.6
1.0	15.0	0.0	5.0	0.0	-143.9	299.3	297.8	6.2
1.0	15.0	3.0	0.0	0.0	-140.5	301.1	297.1	8.7
1.0	15.0	8.0	0.0	0.0	-161.0	333.5	332.0	9.7
1.0	15.0	0.0	6.0	0.0	-191.4	394.3	392.8	22.6
1.0	15.0	0.0	4.0	0.0	-144.3	308.6	304.6	9.6
1.0	15.0	2.0	3.0	0.0	-150.6	321.2	317.2	13.1
1.0	15.0	2.0	0.0	0.0	-158.0	336.1	332.1	15.1
0.9	15.0	2.0	1.0	0.0	-171.0	353.5	352.0	24.4
1.0	15.0	0.0	0.0	0.0	-148.0	298.1	298.0	8.6
1.0	15.0	4.0	0.0	0.0	-219.4	458.9	454.9	75.8
1.0	15.0	3.0	0.0	0.0	-189.0	397.9	393.9	38.5
1.0	15.0	0.0	5.0	0.0	-181.5	374.5	372.9	16.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	6.0	0.0	-150.3	312.0	310.5	7.2
1.0	15.0	8.0	0.0	0.0	-140.3	300.7	296.7	7.9
1.0	15.0	7.0	0.0	0.0	-145.5	302.4	300.9	7.7
1.0	15.0	4.0	5.0	0.0	-187.6	395.1	391.1	16.9
0.9	15.0	0.0	3.0	0.0	-127.1	265.8	264.3	4.4
1.0	15.0	2.0	0.0	0.0	-153.0	326.0	322.0	10.9
0.8	15.0	2.0	0.0	0.0	-149.6	319.1	315.1	10.9
1.0	15.0	0.0	1.0	0.0	-149.4	300.8	300.7	13.9
1.0	15.0	0.0	0.0	0.0	-142.1	286.2	286.1	6.3
1.0	15.0	1.0	0.0	0.0	-109.9	221.8	221.7	6.9
1.0	15.0	2.0	0.0	0.0	-105.3	222.1	220.5	3.1
0.9	15.0	0.0	1.0	0.0	-173.6	358.8	357.3	15.6
0.9	15.0	0.0	2.0	0.0	-117.1	245.7	244.1	3.1
1.0	15.0	3.0	1.0	0.0	-128.5	277.3	273.1	6.3
1.0	15.0	1.0	1.0	0.0	-146.6	313.2	309.2	7.6
1.0	15.0	0.0	0.0	0.0	-124.9	251.9	251.8	5.0
1.0	15.0	0.0	2.0	0.0	-127.8	267.1	265.6	4.5
1.0	15.0	2.0	2.0	0.0	-176.3	372.5	368.5	24.3
1.0	15.0	1.0	2.0	0.0	-152.8	325.5	321.5	12.3
1.0	15.0	0.0	3.0	0.0	-151.7	315.0	313.5	8.3
1.0	15.0	0.0	2.0	0.0	-131.4	274.2	272.7	7.5
1.0	15.0	0.0	0.0	0.0	-71.8	145.7	145.6	1.2
1.0	15.0	2.0	0.0	0.0	-84.0	179.5	177.9	4.2
0.6	15.0	0.0	3.0	0.0	-157.9	335.8	331.8	12.8
1.0	15.0	0.0	1.0	0.0	-135.9	283.3	281.8	11.0
1.0	15.0	0.0	0.0	0.0	-99.9	202.0	201.9	2.7
0.7	15.0	1.0	0.0	0.0	-109.0	229.6	228.0	8.9
1.0	15.0	0.0	3.0	0.0	-162.6	336.7	335.1	15.7
1.0	15.0	0.0	2.0	0.0	-111.4	234.3	232.8	2.8
0.7	15.0	2.0	0.0	0.0	-132.1	284.2	280.2	5.3
1.0	15.0	2.0	0.0	0.0	-131.8	275.0	273.5	5.9
1.0	15.0	0.0	0.0	0.0	-128.9	259.9	259.8	4.9
1.0	15.0	0.0	0.0	0.0	-120.7	243.4	243.3	9.0
0.9	15.0	2.0	0.0	0.0	-186.6	393.1	389.1	24.2
0.9	15.0	1.0	0.0	0.0	-138.4	296.8	292.8	14.5
1.0	15.0	0.0	0.0	0.0	-145.0	292.2	292.1	7.0
1.0	15.0	0.0	2.0	0.0	-109.2	229.9	228.4	2.7
1.0	15.0	0.0	0.0	0.0	-66.4	134.9	134.8	0.9
1.0	15.0	2.0	0.0	0.0	-74.6	160.8	159.2	1.1
0.9	15.0	0.0	3.0	0.0	-149.0	317.9	313.9	18.0
1.0	15.0	0.0	0.0	0.0	-126.5	255.2	255.1	4.5
0.7	15.0	2.0	0.0	0.0	-157.3	326.2	324.7	8.4
1.0	15.0	2.0	0.0	0.0	-110.2	231.9	230.3	2.5
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	6.7
1.0	15.0	0.0	0.0	0.0	-120.6	243.2	243.1	3.7
1.0	15.0	2.0	0.0	0.0	-175.8	363.1	361.6	11.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-137.5	286.5	284.9	5.4
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	6.4
1.0	15.0	0.0	0.0	0.0	-1005.1	2012.2	2012.2	6.2
1.0	15.0	5.0	0.0	0.0	-1272.2	2554.5	2554.3	24.4
1.0	15.0	4.0	0.0	0.0	-1086.3	2182.7	2182.5	14.3
1.0	15.0	0.0	1.0	0.0	-1231.9	2465.7	2465.7	13.0
1.0	15.0	0.0	0.0	0.0	-541.3	1084.5	1084.5	5.2
1.0	15.0	4.0	0.0	0.0	-668.3	1346.9	1346.6	12.5
1.0	15.0	3.0	0.0	0.0	-556.2	1122.8	1122.5	7.3
1.0	15.0	0.0	1.0	0.0	-712.5	1427.0	1427.0	13.0
1.0	15.0	0.0	0.0	0.0	-849.7	1701.4	1701.4	5.8
0.8	15.0	5.0	0.0	0.0	-1075.9	2162.0	2161.7	22.4
1.0	15.0	5.0	0.0	0.0	-915.2	1840.7	1840.4	12.2
1.0	15.0	0.0	2.0	0.0	-951.0	1912.3	1912.1	8.4
0.6	15.0	0.0	4.0	0.0	-152.8	325.6	321.6	8.1
1.0	15.0	6.0	0.0	0.0	-178.8	369.1	367.6	29.5
0.9	15.0	6.0	0.0	0.0	-165.1	350.2	346.2	22.7
1.0	15.0	1.0	0.0	0.0	-175.6	353.4	353.3	13.0
1.0	15.0	0.0	0.0	0.0	-140.3	282.6	282.5	5.1
1.0	15.0	3.0	0.0	0.0	-100.5	212.5	211.0	1.5
1.0	15.0	3.0	0.0	0.0	-97.3	206.2	204.7	1.5
1.0	15.0	0.0	0.0	0.0	-164.6	331.3	331.2	10.2
1.0	15.0	0.0	3.0	0.0	-117.6	246.8	245.3	3.8
0.6	15.0	4.0	0.0	0.0	-151.1	322.2	318.2	17.2
1.0	15.0	3.0	0.0	0.0	-148.0	307.5	306.0	10.4
1.0	15.0	0.0	0.0	0.0	-134.6	271.3	271.2	4.9
1.0	15.0	0.0	1.0	0.0	-146.2	303.9	302.4	6.5
1.0	15.0	3.0	0.0	0.0	-138.3	296.7	292.7	5.7
0.7	15.0	2.0	0.0	0.0	-134.6	289.2	285.2	5.1
1.0	15.0	0.0	0.0	0.0	-137.0	276.0	276.0	6.7
1.0	15.0	0.0	2.0	0.0	-130.0	271.5	270.0	5.2
1.0	15.0	2.0	1.0	0.0	-153.8	327.7	323.7	8.4
0.7	15.0	2.0	0.0	0.0	-127.5	275.0	271.0	9.3
1.0	15.0	0.0	1.0	0.0	-152.7	317.0	315.4	7.1
1.0	15.0	0.0	0.0	0.0	-140.1	282.3	282.2	6.4
0.9	15.0	3.0	0.0	0.0	-145.7	311.4	307.4	8.2
1.0	15.0	2.0	0.0	0.0	-116.4	244.3	242.7	3.3
1.0	15.0	0.0	0.0	0.0	-120.8	243.8	243.7	3.9
1.0	15.0	0.0	2.0	0.0	-149.9	311.3	309.8	6.5
1.0	15.0	7.0	0.0	0.0	-191.8	395.2	393.6	19.3
0.8	15.0	7.0	0.0	0.0	-157.3	326.1	324.5	8.6
1.0	15.0	0.0	0.0	0.0	-176.9	355.9	355.8	12.6
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.0	6.1
1.0	15.0	3.0	0.0	0.0	-146.2	304.0	302.5	19.1
1.0	15.0	3.0	0.0	0.0	-127.9	267.3	265.7	8.6
1.0	15.0	0.0	0.0	0.0	-175.5	353.1	353.0	11.4



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	5.0	0.0	-117.8	255.7	251.7	4.8
1.0	15.0	7.0	0.0	0.0	-181.1	373.8	372.3	16.4
1.0	15.0	7.0	0.0	0.0	-136.3	284.1	282.6	6.2
1.0	15.0	0.0	0.0	0.0	-127.8	257.7	257.6	6.0
1.0	15.0	0.0	0.0	0.0	-132.9	268.0	267.9	4.3
1.0	15.0	3.0	0.0	0.0	-137.7	286.9	285.4	16.1
1.0	15.0	2.0	0.0	0.0	-124.7	260.9	259.4	9.2
1.0	15.0	0.0	0.0	0.0	-174.5	351.1	351.0	12.1
0.8	15.0	0.0	1.0	0.0	-135.1	281.7	280.2	4.4
1.0	15.0	3.0	0.0	0.0	-133.0	277.5	276.0	7.8
1.0	15.0	3.0	0.0	0.0	-120.8	253.2	251.6	5.0
1.0	15.0	0.0	0.0	0.0	-157.7	317.5	317.4	8.6
1.0	15.0	0.0	1.0	0.0	-120.5	252.5	251.0	3.4
1.0	15.0	3.0	0.0	0.0	-119.9	251.3	249.8	9.0
1.0	15.0	3.0	0.0	0.0	-116.1	243.7	242.2	7.4
1.0	15.0	0.0	0.0	0.0	-135.9	273.9	273.8	5.3
1.0	15.0	0.0	1.0	0.0	-109.5	230.5	228.9	3.1
1.0	15.0	2.0	0.0	0.0	-137.3	294.6	290.6	5.3
1.0	15.0	2.0	0.0	0.0	-119.4	250.3	248.8	3.5
1.0	15.0	0.0	1.0	0.0	-122.9	257.3	255.8	4.0
1.0	15.0	0.0	1.0	0.0	-134.2	279.8	278.3	5.4
1.0	15.0	0.0	1.0	0.0	-140.4	282.9	282.8	40.2
0.7	15.0	1.0	0.0	0.0	-118.2	247.9	246.4	20.0
1.0	15.0	0.0	1.0	0.0	-140.7	292.9	291.4	6.8
1.0	15.0	0.0	4.0	0.0	-120.6	252.8	251.3	3.7
0.9	15.0	4.0	0.0	0.0	-160.9	333.4	331.8	8.6
1.0	15.0	4.0	0.0	0.0	-139.6	290.6	289.1	5.4
1.0	15.0	0.0	0.0	0.0	-147.7	297.4	297.3	6.2
0.8	15.0	0.0	2.0	0.0	-118.7	248.9	247.4	3.3
1.0	15.0	4.0	0.0	0.0	-100.5	212.5	210.9	1.5
1.0	15.0	2.0	0.0	0.0	-96.6	204.8	203.3	1.4
1.0	15.0	0.0	0.0	0.0	-162.7	327.6	327.5	9.6
1.0	15.0	0.0	2.0	0.0	-116.0	243.6	242.1	3.7
0.7	15.0	3.0	0.0	0.0	-146.2	312.4	308.4	7.8
0.8	15.0	3.0	0.0	0.0	-139.6	299.3	295.3	6.3
1.0	15.0	0.0	0.0	0.0	-146.8	295.8	295.7	6.2
1.0	15.0	0.0	3.0	0.0	-128.4	268.3	266.8	4.1
0.8	15.0	4.0	0.0	0.0	-182.4	376.3	374.7	19.6
1.0	15.0	4.0	0.0	0.0	-153.6	318.7	317.2	10.6
1.0	15.0	0.0	0.0	0.0	-152.0	306.1	306.0	7.8
1.0	15.0	0.0	1.0	0.0	-132.8	277.1	275.6	4.9
1.0	15.0	2.0	1.0	0.0	-129.4	278.8	274.8	4.3
1.0	15.0	1.0	0.0	0.0	-128.6	268.7	267.2	6.7
1.0	15.0	0.0	1.0	0.0	-132.8	277.1	275.6	5.4
1.0	15.0	0.0	1.0	0.0	-131.6	274.7	273.2	4.7
1.0	15.0	1.0	1.0	0.0	-143.9	307.8	303.8	15.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-115.4	233.0	232.9	9.0
1.0	15.0	0.0	1.0	0.0	-156.0	323.5	322.0	8.5
1.0	15.0	0.0	1.0	0.0	-132.5	276.6	275.0	8.0
1.0	15.0	0.0	0.0	0.0	-102.6	207.2	207.2	4.6
1.0	15.0	1.0	0.0	0.0	-109.6	230.7	229.2	12.1
1.0	15.0	0.0	1.0	0.0	-144.5	300.6	299.1	8.0
1.0	15.0	0.0	2.0	0.0	-268.6	548.0	547.2	4.9
1.0	15.0	0.0	1.0	0.0	-317.7	646.1	645.4	9.0
1.0	15.0	2.0	0.0	0.0	-316.3	643.4	642.7	10.7
1.0	15.0	0.0	2.0	0.0	-256.1	522.9	522.1	4.3
1.0	15.0	1.0	1.0	0.0	-308.9	628.5	627.8	10.4
1.0	15.0	0.0	1.0	0.0	-240.9	492.5	491.8	4.0
1.0	15.0	1.0	0.0	0.0	-261.8	534.4	533.6	11.3
1.0	15.0	0.0	3.0	0.0	-342.0	694.7	694.0	12.5
1.0	15.0	0.0	2.0	0.0	-260.1	531.0	530.3	5.4
1.0	15.0	0.0	0.0	0.0	-140.1	282.3	282.2	1.6
1.0	15.0	1.0	0.0	0.0	-165.9	342.6	341.9	3.5
1.0	15.0	0.0	4.0	0.0	-283.7	578.2	577.5	7.2
1.0	15.0	0.0	1.0	0.0	-245.0	500.7	499.9	4.3
1.0	15.0	0.0	0.0	0.0	-184.2	370.5	370.5	3.1
1.0	15.0	1.0	0.0	0.0	-209.1	428.9	428.2	6.6
1.0	15.0	0.0	1.0	0.0	-353.9	718.6	717.9	13.7
1.0	15.0	0.0	2.0	0.0	-265.1	540.8	540.1	6.9
1.0	15.0	0.0	0.0	0.0	-154.5	311.0	311.0	2.1
1.0	15.0	1.0	0.0	0.0	-143.4	297.6	296.8	1.9
1.0	15.0	0.0	3.0	0.0	-319.5	649.8	649.1	10.8
1.0	15.0	0.0	2.0	0.0	-288.3	587.3	586.5	10.7
1.0	15.0	0.0	2.0	0.0	-238.4	487.4	486.7	3.8
1.0	15.0	1.0	0.0	0.0	-247.8	506.3	505.6	12.5
1.0	15.0	0.0	2.0	0.0	-355.6	722.0	721.2	14.8
0.9	15.0	5.0	1.0	0.0	-204.5	420.6	419.0	43.4
1.0	15.0	1.0	5.0	0.0	-216.1	452.3	448.3	45.5
1.0	15.0	1.0	5.0	0.0	-186.9	393.7	389.7	28.5
1.0	15.0	0.0	5.0	0.0	-145.2	302.0	300.4	7.5
1.0	15.0	2.0	0.0	0.0	-138.3	288.1	286.6	5.1
1.0	15.0	2.0	0.0	0.0	-104.0	228.0	224.0	1.9
1.0	15.0	0.0	0.0	0.0	-130.1	262.3	262.2	4.5
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	9.8
1.0	15.0	0.0	2.0	0.0	-125.9	263.4	261.9	4.9
1.0	15.0	0.0	0.0	0.0	-76.7	155.5	155.4	9.7
1.0	15.0	2.0	0.0	0.0	-82.2	175.9	174.4	5.8
1.0	15.0	6.0	0.0	0.0	-149.4	318.8	314.8	9.4
1.0	15.0	0.0	4.0	0.0	-114.3	240.1	238.5	2.8
1.0	15.0	0.0	5.0	0.0	-105.6	222.8	221.3	2.1
1.0	15.0	2.0	0.0	0.0	-102.6	216.7	215.2	2.4
1.0	15.0	0.0	3.0	0.0	-161.1	333.8	332.2	8.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	5.0	0.0	0.0	-191.3	394.2	392.7	34.3
1.0	15.0	1.0	5.0	0.0	-193.2	406.3	402.3	28.5
1.0	15.0	1.0	5.0	0.0	-165.3	350.6	346.6	11.1
1.0	15.0	0.0	5.0	0.0	-156.8	325.2	323.7	8.1
1.0	15.0	1.0	0.0	0.0	-130.1	271.8	270.3	5.0
1.0	15.0	2.0	1.0	0.0	-118.8	257.6	253.6	6.3
1.0	15.0	0.0	0.0	0.0	-130.6	263.4	263.3	5.7
1.0	15.0	0.0	0.0	0.0	-176.4	354.9	354.8	12.6
1.0	15.0	0.0	4.0	0.0	-123.6	258.8	257.2	3.8
1.0	15.0	0.0	0.0	0.0	-108.9	219.8	219.7	2.6
1.0	15.0	2.0	0.0	0.0	-104.3	220.1	218.5	1.9
1.0	15.0	0.0	2.0	0.0	-155.8	323.2	321.6	7.7
1.0	15.0	0.0	0.0	0.0	-138.1	278.2	278.2	4.7
1.0	15.0	2.0	0.0	0.0	-117.9	247.3	245.7	3.9
1.0	15.0	2.0	0.0	0.0	-106.9	225.3	223.8	2.2
1.0	15.0	0.0	0.0	0.0	-180.8	363.7	363.6	14.1
1.0	15.0	0.0	0.0	0.0	-119.7	241.4	241.3	3.8
1.0	15.0	3.0	0.0	0.0	-144.2	299.9	298.3	9.0
1.0	15.0	2.0	0.0	0.0	-127.8	267.2	265.7	6.3
1.0	15.0	0.0	0.0	0.0	-144.7	291.4	291.3	6.7
1.0	15.0	0.0	0.0	0.0	-124.3	250.8	250.7	5.1
1.0	15.0	1.0	0.0	0.0	-127.1	265.7	264.1	4.7
1.0	15.0	1.0	0.0	0.0	-121.5	254.5	252.9	4.9
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.0	5.6
1.0	15.0	0.0	3.0	0.0	-121.4	254.2	252.7	3.2
1.0	15.0	3.0	0.0	0.0	-145.2	310.4	306.4	6.9
0.5	15.0	3.0	0.0	0.0	-134.3	288.6	284.6	7.5
1.0	15.0	0.0	0.0	0.0	-142.2	286.6	286.5	5.9
1.0	15.0	0.0	0.0	0.0	-136.8	275.6	275.6	4.7
0.7	15.0	2.0	0.0	0.0	-158.5	337.1	333.1	12.1
0.7	15.0	2.0	0.0	0.0	-129.2	278.5	274.5	7.4
1.0	15.0	0.0	0.0	0.0	-148.5	299.2	299.1	6.4
1.0	15.0	0.0	1.0	0.0	-122.6	256.7	255.1	3.5
1.0	15.0	2.0	0.0	0.0	-128.3	268.1	266.6	5.0
1.0	15.0	1.0	0.0	0.0	-119.4	250.3	248.8	3.8
1.0	15.0	0.0	0.0	0.0	-138.9	279.9	279.8	5.1
1.0	15.0	0.0	1.0	0.0	-126.3	264.2	262.6	4.5
1.0	15.0	0.0	0.0	0.0	-118.7	239.6	239.5	5.0
1.0	15.0	1.0	0.0	0.0	-117.6	246.6	245.1	5.9
1.0	15.0	0.0	1.0	0.0	-155.6	322.8	321.3	8.0
1.0	15.0	0.0	0.0	0.0	-119.9	241.8	241.7	4.9
1.0	15.0	2.0	0.0	0.0	-123.4	258.3	256.8	4.4
1.0	15.0	2.0	0.0	0.0	-115.8	243.2	241.6	4.7
1.0	15.0	0.0	0.0	0.0	-120.7	243.5	243.4	3.7
0.6	15.0	0.0	2.0	0.0	-139.2	289.9	288.4	5.4
0.6	15.0	1.0	0.0	0.0	-114.0	239.5	238.0	5.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-137.2	286.0	284.5	6.3
1.0	15.0	0.0	0.0	0.0	-135.1	272.3	272.2	6.8
0.9	15.0	0.0	2.0	0.0	-139.8	291.1	289.6	6.0
0.7	15.0	1.0	1.0	0.0	-128.5	268.5	267.0	5.2
1.0	15.0	1.0	0.0	0.0	-126.1	263.7	262.2	6.3
1.0	15.0	0.0	2.0	0.0	-175.1	361.8	360.3	14.6
1.0	15.0	0.0	3.0	0.0	-122.6	256.8	255.2	6.1
1.0	15.0	0.0	0.0	0.0	-58.0	118.1	118.0	0.6
1.0	15.0	2.0	0.0	0.0	-100.5	212.4	210.9	10.7
1.0	15.0	0.0	3.0	0.0	-152.5	316.5	315.0	9.7
1.0	15.0	0.0	2.0	0.0	-158.9	329.3	327.8	9.1
0.7	15.0	1.0	0.0	0.0	-94.5	200.5	199.0	4.3
1.0	15.0	1.0	0.0	0.0	-121.9	255.3	253.7	9.5
1.0	15.0	0.0	2.0	0.0	-168.0	347.6	345.9	17.9
1.0	15.0	0.0	2.0	0.0	-131.5	274.5	273.0	4.7
1.0	15.0	0.0	0.0	0.0	-61.8	125.8	125.7	0.8
1.0	15.0	1.0	0.0	0.0	-67.3	146.1	144.6	0.8
1.0	15.0	0.0	0.0	0.0	-166.0	334.2	334.1	13.2
1.0	15.0	0.0	3.0	0.0	-140.2	292.0	290.4	7.4
1.0	15.0	1.0	2.0	0.0	-129.3	270.2	268.6	4.8
1.0	15.0	1.0	0.0	0.0	-113.8	239.1	237.5	8.2
1.0	15.0	1.0	1.0	0.0	-183.0	368.1	368.0	20.0
1.0	15.0	0.0	2.0	0.0	-129.8	271.2	269.7	5.3
1.0	15.0	2.0	1.0	0.0	-155.5	322.5	321.0	16.1
0.7	15.0	1.0	0.0	0.0	-140.2	300.5	296.5	10.4
1.0	15.0	0.0	0.0	0.0	-145.5	293.2	293.1	6.9
1.0	15.0	0.0	2.0	0.0	-125.2	261.9	260.3	4.3
0.8	15.0	2.0	0.0	0.0	-157.2	326.0	324.4	10.0
1.0	15.0	2.0	0.0	0.0	-151.9	315.4	313.9	8.5
1.0	15.0	0.0	1.0	0.0	-151.9	306.0	305.9	9.4
1.0	15.0	0.0	3.0	0.0	-147.0	305.5	304.0	7.5
1.0	15.0	7.0	0.0	0.0	-158.8	337.6	333.6	9.1
1.0	15.0	8.0	0.0	0.0	-177.2	366.0	364.4	24.0
1.0	15.0	0.0	1.0	0.0	-132.7	277.0	275.5	9.0
1.0	15.0	3.0	0.0	0.0	-132.6	276.7	275.1	5.4
1.0	15.0	3.0	3.0	0.0	-159.5	339.0	335.0	9.6
1.0	15.0	0.0	0.0	0.0	-162.7	327.5	327.4	9.9
1.0	15.0	0.0	0.0	0.0	-151.3	304.7	304.6	6.9
0.8	15.0	4.0	0.0	0.0	-133.2	278.0	276.5	4.5
1.0	15.0	3.0	0.0	0.0	-117.0	245.5	244.0	3.7
1.0	15.0	2.0	0.0	0.0	-105.7	222.9	221.4	2.4
1.0	15.0	0.0	0.0	0.0	-141.3	284.6	284.5	5.9
1.0	15.0	0.0	0.0	0.0	-109.0	220.0	219.9	2.6
1.0	15.0	2.0	0.0	0.0	-81.7	175.0	173.5	1.5
1.0	15.0	3.0	0.0	0.0	-68.9	149.4	147.9	0.7
1.0	15.0	2.0	0.0	0.0	-133.2	278.0	276.4	4.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-118.8	249.2	247.7	3.8
1.0	15.0	2.0	0.0	0.0	-112.8	237.1	235.6	6.9
1.0	15.0	2.0	0.0	0.0	-102.7	217.0	215.4	3.6
1.0	15.0	0.0	0.0	0.0	-165.0	332.1	332.0	9.5
1.0	15.0	2.0	1.0	0.0	-122.2	256.0	254.4	3.5
1.0	15.0	2.0	0.0	0.0	-125.4	262.3	260.8	6.6
1.0	15.0	2.0	0.0	0.0	-114.5	240.5	239.0	4.6
1.0	15.0	0.0	0.0	0.0	-165.1	332.3	332.2	8.9
1.0	15.0	0.0	2.0	0.0	-119.9	251.4	249.9	5.0
1.0	15.0	3.0	0.0	0.0	-148.6	308.7	307.2	11.2
1.0	15.0	3.0	0.0	0.0	-154.8	321.0	319.5	24.9
1.0	15.0	0.0	0.0	0.0	-159.5	321.0	320.9	9.1
1.0	10.0	0.0	0.0	0.0	-79.7	161.5	161.3	4.1
1.0	15.0	6.0	1.0	0.0	-168.0	356.0	352.0	12.9
1.0	15.0	4.0	1.0	0.0	-168.8	357.5	353.5	17.0
NA	15.0	6.0	0.0	0.0	-140.4	283.0	282.9	8.6
0.8	15.0	0.0	1.0	0.0	-125.3	262.1	260.6	4.6
1.0	15.0	1.0	0.0	0.0	-144.0	299.6	298.0	10.2
1.0	15.0	1.0	0.0	0.0	-134.3	280.2	278.7	11.1
1.0	15.0	0.0	0.0	0.0	-124.7	251.5	251.4	3.7
1.0	15.0	0.0	1.0	0.0	-119.1	249.8	248.2	3.1
1.0	15.0	0.0	0.0	0.0	-65.1	132.3	132.2	1.1
0.9	15.0	1.0	0.0	0.0	-72.7	157.0	155.4	1.6
1.0	15.0	0.0	1.0	0.0	-115.9	243.2	241.7	3.4
1.0	15.0	0.0	0.0	0.0	-133.0	268.0	268.0	5.1
1.0	15.0	2.0	0.0	0.0	-150.3	312.2	310.6	8.6
1.0	15.0	2.0	0.0	0.0	-119.0	249.5	248.0	3.2
1.0	15.0	0.0	0.0	0.0	-169.9	342.0	341.9	9.9
1.0	15.0	0.0	0.0	0.0	-118.2	238.5	238.4	3.2
1.0	15.0	1.0	0.0	0.0	-127.8	267.1	265.5	4.3
1.0	15.0	2.0	0.0	0.0	-123.3	258.2	256.6	3.8
1.0	15.0	0.0	0.0	0.0	-137.5	277.2	277.1	5.6
1.0	15.0	0.0	1.0	0.0	-135.0	281.6	280.1	4.8
1.0	15.0	0.0	1.0	0.0	-103.3	218.2	216.6	1.9
0.8	15.0	1.0	0.0	0.0	-119.8	251.2	249.6	11.2
1.0	15.0	0.0	1.0	0.0	-119.4	250.3	248.8	3.3
1.0	15.0	0.0	1.0	0.0	-114.0	239.5	237.9	3.0
1.0	15.0	3.0	1.0	0.0	-168.1	356.1	352.1	20.9
1.0	15.0	2.0	1.0	0.0	-136.2	292.5	288.5	9.0
1.0	15.0	0.0	1.0	0.0	-119.3	250.2	248.6	3.8
1.0	15.0	0.0	3.0	0.0	-139.6	290.8	289.3	7.2
1.0	15.0	0.0	2.0	0.0	-114.0	239.6	238.1	2.9
0.9	15.0	2.0	0.0	0.0	-125.2	261.8	260.3	6.6
1.0	15.0	0.0	3.0	0.0	-174.7	360.9	359.4	10.8
1.0	15.0	0.0	1.0	0.0	-137.5	286.5	285.0	4.5
1.0	15.0	0.0	0.0	0.0	-108.7	219.5	219.4	3.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	1.0	0.0	0.0	-101.6	214.7	213.2	1.6
1.0	15.0	0.0	1.0	0.0	-154.7	311.5	311.4	9.7
1.0	15.0	2.0	0.0	0.0	-135.8	283.0	281.5	4.4
0.8	15.0	12.0	0.0	0.0	-196.1	412.2	408.2	17.1
0.5	15.0	12.0	0.0	0.0	-176.9	373.8	369.8	12.2
1.0	15.0	0.0	12.0	0.0	-186.8	385.1	383.5	15.8
1.0	15.0	0.0	0.0	0.0	-129.4	260.9	260.8	5.2
1.0	15.0	2.0	0.0	0.0	-129.0	269.5	268.0	21.5
1.0	15.0	1.0	0.0	0.0	-118.7	248.9	247.3	3.9
1.0	15.0	0.0	0.0	0.0	-160.6	323.3	323.2	8.5
0.9	15.0	4.0	0.0	0.0	-120.2	251.9	250.3	3.4
1.0	15.0	2.0	0.0	0.0	-82.1	175.8	174.3	1.5
1.0	15.0	2.0	0.0	0.0	-73.9	159.4	157.9	1.3
1.0	15.0	0.0	0.0	0.0	-117.1	236.2	236.1	3.2
1.0	15.0	0.0	0.0	0.0	-141.5	285.1	285.0	8.8
1.0	15.0	2.0	0.0	0.0	-126.0	263.6	262.1	7.4
1.0	15.0	2.0	0.0	0.0	-117.6	246.7	245.2	6.4
1.0	15.0	0.0	0.0	0.0	-176.6	355.4	355.3	13.0
1.0	15.0	3.0	0.0	0.0	-124.5	260.6	259.1	3.7
1.0	15.0	1.0	0.0	0.0	-103.8	219.1	217.6	4.5
1.0	15.0	1.0	0.0	0.0	-70.8	153.2	151.7	1.7
1.0	15.0	0.0	0.0	0.0	-139.7	281.5	281.4	7.4
1.0	15.0	0.0	9.0	0.0	-127.7	275.3	271.3	4.0
1.0	15.0	9.0	0.0	0.0	-157.2	325.8	324.3	13.7
1.0	15.0	9.0	0.0	0.0	-126.6	264.7	263.2	6.8
1.0	15.0	0.0	10.0	0.0	-143.7	298.8	297.3	5.4
1.0	15.0	0.0	2.0	0.0	-125.1	261.7	260.2	4.0
1.0	15.0	0.0	0.0	0.0	-108.7	219.6	219.5	3.0
1.0	15.0	2.0	0.0	0.0	-120.6	252.8	251.3	5.0
1.0	15.0	0.0	1.0	0.0	-171.1	344.3	344.2	12.7
0.9	15.0	0.0	8.0	0.0	-146.8	305.2	303.7	7.5
1.0	15.0	2.0	6.0	0.0	-138.4	296.8	292.8	7.8
1.0	15.0	5.0	0.0	0.0	-158.9	329.4	327.9	10.3
1.0	15.0	0.0	6.0	0.0	-151.1	313.7	312.2	16.1
1.0	15.0	0.0	6.0	0.0	-150.3	312.1	310.5	7.8
0.5	15.0	5.0	5.0	0.0	-216.7	453.5	449.4	34.0
1.0	15.0	3.0	3.0	0.0	-171.1	362.4	358.2	13.7
1.0	15.0	0.0	6.0	0.0	-150.0	311.5	309.9	7.6
1.0	15.0	5.0	1.0	0.0	-153.5	327.0	323.0	7.5
1.0	15.0	2.0	0.0	0.0	-139.2	298.5	294.5	50.4
1.0	15.0	2.0	3.0	0.0	-125.4	270.9	266.9	31.7
1.0	15.0	0.0	4.0	0.0	-191.9	395.3	393.7	17.9
1.0	15.0	0.0	6.0	0.0	-143.8	299.2	297.7	13.8
1.0	15.0	0.0	0.0	0.0	-81.6	165.3	165.2	1.7
0.6	15.0	6.0	0.0	0.0	-148.8	317.7	313.7	15.6
1.0	15.0	0.0	7.0	0.0	-138.7	288.9	287.3	11.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	5.0	0.0	-142.4	296.3	294.7	9.4
1.0	15.0	6.0	0.0	0.0	-163.6	347.2	343.2	18.2
0.5	15.0	7.0	0.0	0.0	-182.0	384.1	380.1	27.6
1.0	15.0	0.0	2.0	0.0	-176.4	364.3	362.8	18.0
1.0	15.0	0.0	4.0	0.0	-147.0	305.5	303.9	10.4
1.0	15.0	0.0	0.0	0.0	-84.3	170.8	170.7	1.7
1.0	15.0	3.0	0.0	0.0	-85.7	182.9	181.3	4.0
1.0	15.0	0.0	6.0	0.0	-186.9	385.4	383.9	17.3
0.5	15.0	0.0	5.0	0.0	-142.2	304.4	300.4	6.1
1.0	15.0	3.0	0.0	0.0	-132.2	284.3	280.3	6.1
0.7	15.0	7.0	0.0	0.0	-182.1	384.2	380.2	16.9
1.0	15.0	0.0	5.0	0.0	-155.0	321.5	319.9	9.5
1.0	15.0	0.0	6.0	0.0	-141.6	294.8	293.3	6.5
1.0	15.0	3.0	4.0	0.0	-148.1	316.3	312.3	7.6
0.9	15.0	5.0	0.0	0.0	-170.4	352.3	350.8	13.2
1.0	15.0	0.0	4.0	0.0	-149.8	311.2	309.6	8.0
1.0	15.0	0.0	3.0	0.0	-143.5	298.5	297.0	5.7
1.0	15.0	2.0	3.0	0.0	-187.0	393.9	389.9	20.4
1.0	15.0	4.0	1.0	0.0	-152.3	324.7	320.7	11.2
1.0	15.0	0.0	3.0	0.0	-153.9	319.2	317.7	13.2
1.0	15.0	3.0	1.0	0.0	-155.9	331.9	327.9	9.5
1.0	15.0	0.0	0.0	0.0	-119.6	241.2	241.1	3.8
1.0	15.0	2.0	2.0	0.0	-142.1	295.7	294.2	7.3
1.0	15.0	0.0	3.0	0.0	-176.2	364.0	362.5	12.6
0.9	15.0	0.0	4.0	0.0	-126.6	264.7	263.2	8.5
1.0	15.0	0.0	0.0	0.0	-83.2	168.5	168.4	1.6
0.9	15.0	4.0	0.0	0.0	-116.4	244.4	242.8	9.2
1.0	15.0	0.0	5.0	0.0	-129.5	270.5	269.0	11.5
1.0	15.0	0.0	3.0	0.0	-160.8	333.1	331.6	9.1
0.9	15.0	4.0	0.0	0.0	-141.8	303.6	299.6	11.8
1.0	15.0	5.0	0.0	0.0	-149.8	311.1	309.5	18.8
1.0	15.0	0.0	2.0	0.0	-176.6	364.7	363.1	12.5
1.0	15.0	0.0	3.0	0.0	-150.9	313.2	311.7	8.6
1.0	15.0	0.0	0.0	0.0	-85.0	172.2	172.1	1.7
1.0	15.0	3.0	0.0	0.0	-81.1	173.8	172.3	2.3
1.0	15.0	0.0	6.0	0.0	-179.4	370.4	368.8	16.7
0.9	15.0	0.0	6.0	0.0	-136.1	292.1	288.1	7.5
1.0	15.0	3.0	0.0	0.0	-134.5	289.0	285.0	11.3
1.0	15.0	6.0	0.0	0.0	-197.1	405.8	404.3	34.1
1.0	15.0	0.0	4.0	0.0	-157.9	327.4	325.9	11.0
1.0	15.0	0.0	2.0	0.0	-143.4	298.3	296.8	5.7
1.0	15.0	0.0	0.0	0.0	-116.3	234.7	234.6	3.0
1.0	15.0	2.0	0.0	0.0	-105.6	222.7	221.2	2.0
1.0	15.0	0.0	0.0	0.0	-158.3	318.7	318.6	12.1
1.0	15.0	0.0	2.0	0.0	-119.4	250.3	248.8	3.1
1.0	15.0	0.0	0.0	0.0	-70.3	142.7	142.6	1.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-73.4	158.3	156.7	0.9
1.0	15.0	0.0	0.0	0.0	-124.0	250.1	250.0	3.6
1.0	15.0	0.0	2.0	0.0	-120.9	253.3	251.8	4.5
1.0	15.0	1.0	1.0	0.0	-139.1	298.3	294.3	7.4
0.9	15.0	3.0	0.0	0.0	-131.5	274.6	273.0	7.2
1.0	15.0	0.0	2.0	0.0	-138.6	288.8	287.2	7.0
1.0	15.0	0.0	2.0	0.0	-128.6	268.7	267.2	5.0
1.0	15.0	1.0	1.0	0.0	-111.5	242.9	238.9	3.2
1.0	15.0	2.0	0.0	0.0	-123.4	258.4	256.9	10.6
1.0	15.0	0.0	2.0	0.0	-171.2	353.9	352.4	12.6
1.0	15.0	0.0	1.0	0.0	-118.2	248.0	246.4	4.4
1.0	15.0	0.0	0.0	0.0	-79.8	161.7	161.6	4.2
1.0	15.0	1.0	0.0	0.0	-85.5	182.5	181.0	3.7
1.0	15.0	0.0	2.0	0.0	-134.9	281.3	279.8	7.3
1.0	15.0	0.0	2.0	0.0	-127.3	266.1	264.6	4.8
1.0	15.0	2.0	0.0	0.0	-114.0	247.9	243.9	4.3
1.0	15.0	4.0	0.0	0.0	-145.4	302.3	300.7	21.3
1.0	15.0	0.0	2.0	0.0	-163.9	339.2	337.7	9.3
1.0	15.0	0.0	2.0	0.0	-117.8	247.1	245.6	4.0
1.0	15.0	0.0	0.0	0.0	-101.8	205.7	205.6	5.4
1.0	15.0	2.0	0.0	0.0	-82.6	176.8	175.3	2.7
1.0	15.0	0.0	2.0	0.0	-148.9	309.3	307.7	6.5
1.0	15.0	0.0	2.0	0.0	-116.5	244.6	243.0	3.1
1.0	15.0	0.0	2.0	0.0	-105.6	222.7	221.1	2.1
1.0	15.0	2.0	0.0	0.0	-145.2	301.9	300.4	40.8
1.0	15.0	0.0	2.0	0.0	-129.9	271.3	269.8	4.6
1.0	15.0	0.0	0.0	0.0	-149.6	301.3	301.2	6.2
1.0	15.0	4.0	0.0	0.0	-203.8	419.2	417.7	24.6
1.0	15.0	3.0	0.0	0.0	-187.4	386.4	384.9	19.1
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	6.5
1.0	15.0	0.0	2.0	0.0	-113.4	238.4	236.9	3.5
1.0	15.0	1.0	1.0	0.0	-136.5	293.0	289.0	8.9
1.0	15.0	1.0	0.0	0.0	-131.0	282.0	278.0	11.4
1.0	15.0	0.0	1.0	0.0	-153.3	318.1	316.6	6.8
0.9	15.0	0.0	3.0	0.0	-140.3	292.1	290.6	5.3
1.0	15.0	4.0	3.0	0.0	-208.1	436.2	432.2	40.3
1.0	15.0	5.0	2.0	0.0	-188.1	396.1	392.1	23.9
1.0	15.0	0.0	6.0	0.0	-158.2	327.9	326.4	10.0
1.0	15.0	0.0	1.0	0.0	-125.9	263.3	261.7	4.0
1.0	15.0	0.0	0.0	0.0	-69.1	140.3	140.2	1.5
1.0	15.0	1.0	0.0	0.0	-77.1	165.8	164.2	2.8
1.0	15.0	0.0	3.0	0.0	-146.0	303.6	302.1	7.6
1.0	15.0	0.0	4.0	0.0	-149.3	310.2	308.7	7.0
1.0	15.0	1.0	0.0	0.0	-119.9	259.8	255.8	8.9
1.0	15.0	2.0	0.0	0.0	-146.8	305.2	303.6	18.4
1.0	15.0	0.0	2.0	0.0	-184.9	381.4	379.9	16.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-126.7	265.0	263.5	3.7
1.0	15.0	1.0	3.0	0.0	-114.2	240.0	238.5	3.4
1.0	15.0	3.0	0.0	0.0	-129.1	269.7	268.1	7.1
1.0	15.0	0.0	2.0	0.0	-137.4	286.4	284.9	5.0
1.0	15.0	0.0	2.0	0.0	-135.2	281.9	280.4	4.8
1.0	15.0	1.0	1.0	0.0	-158.4	328.4	326.9	11.9
0.8	15.0	1.0	1.0	0.0	-161.5	343.1	339.1	9.0
1.0	15.0	0.0	1.0	0.0	-115.9	243.4	241.9	3.0
1.0	15.0	0.0	2.0	0.0	-127.8	267.1	265.5	4.0
0.7	15.0	3.0	2.0	0.0	-178.4	376.7	372.7	25.9
1.0	15.0	1.0	2.0	0.0	-146.5	313.0	309.0	10.8
1.0	15.0	0.0	4.0	0.0	-161.3	334.1	332.6	10.7
1.0	15.0	0.0	1.0	0.0	-133.0	277.5	276.0	5.4
1.0	15.0	0.0	0.0	0.0	-80.3	162.6	162.6	1.9
0.6	15.0	1.0	0.0	0.0	-79.1	169.8	168.3	4.1
1.0	15.0	0.0	2.0	0.0	-142.5	296.4	294.9	7.0
1.0	15.0	0.0	3.0	0.0	-123.3	258.1	256.6	4.0
0.8	15.0	1.0	0.0	0.0	-107.0	234.0	230.0	5.0
1.0	15.0	2.0	0.0	0.0	-119.6	250.6	249.1	11.2
1.0	15.0	0.0	3.0	0.0	-169.3	350.2	348.7	14.2
1.0	15.0	0.0	2.0	0.0	-137.8	287.2	285.6	5.4
1.0	15.0	1.0	1.0	0.0	-114.2	239.9	238.3	3.1
1.0	15.0	2.0	0.0	0.0	-122.5	256.6	255.1	9.4
1.0	15.0	0.0	2.0	0.0	-154.2	320.0	318.5	7.9
1.0	15.0	0.0	3.0	0.0	-270.3	551.4	550.7	5.3
1.0	15.0	1.0	2.0	0.0	-310.9	639.6	637.9	7.9
1.0	15.0	1.0	1.0	0.0	-307.4	632.6	630.8	8.9
0.8	15.0	0.0	4.0	0.0	-320.0	650.6	649.9	10.8
1.0	15.0	0.0	4.0	0.0	-294.5	599.8	599.1	6.6
0.9	15.0	2.0	3.0	0.0	-413.9	845.5	843.8	39.0
1.0	15.0	2.0	2.0	0.0	-365.9	749.6	747.8	23.9
1.0	15.0	0.0	5.0	0.0	-338.0	686.8	686.1	10.6
1.0	15.0	0.0	2.0	0.0	-235.3	481.4	480.7	3.6
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.9	1.4
1.0	15.0	2.0	0.0	0.0	-171.9	354.5	353.7	4.5
1.0	15.0	0.0	3.0	0.0	-307.6	625.9	625.2	8.8
1.0	15.0	0.0	4.0	0.0	-301.0	612.6	611.9	7.2
1.0	15.0	1.0	1.0	0.0	-252.3	522.3	520.6	12.5
1.0	15.0	4.0	0.0	0.0	-283.9	578.5	577.8	12.3
1.0	15.0	0.0	4.0	0.0	-368.6	748.0	747.3	15.4
1.0	15.0	0.0	5.0	0.0	-283.8	578.2	577.5	5.3
1.0	15.0	0.0	2.0	0.0	-261.3	533.3	532.6	4.9
1.0	15.0	4.0	0.0	0.0	-309.2	629.1	628.4	12.6
1.0	15.0	0.0	3.0	0.0	-336.5	683.7	683.0	10.9
1.0	15.0	0.0	2.0	0.0	-119.1	249.6	248.1	3.7
0.9	15.0	3.0	0.0	0.0	-162.3	336.2	334.6	9.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-138.8	289.2	287.7	9.1
1.0	15.0	0.0	0.0	0.0	-163.3	328.7	328.6	10.4
1.0	15.0	0.0	2.0	0.0	-131.9	275.4	273.8	5.1
1.0	15.0	3.0	0.0	0.0	-139.5	290.6	289.1	5.7
1.0	15.0	3.0	0.0	0.0	-138.1	287.8	286.3	5.7
1.0	15.0	0.0	0.0	0.0	-156.2	314.5	314.4	8.7
1.0	15.0	0.0	0.0	0.0	-120.3	242.6	242.5	4.7
1.0	15.0	2.0	0.0	0.0	-156.2	324.0	322.4	9.4
1.0	15.0	1.0	0.0	0.0	-123.7	259.0	257.4	5.3
1.0	15.0	0.0	0.0	0.0	-160.0	322.2	322.1	8.3
0.9	15.0	0.0	4.0	0.0	-119.2	249.9	248.3	4.0
0.9	15.0	5.0	0.0	0.0	-154.2	328.5	324.5	10.3
1.0	15.0	5.0	0.0	0.0	-155.7	331.4	327.4	12.2
1.0	15.0	0.0	0.0	0.0	-154.1	310.3	310.2	7.6
1.0	15.0	0.0	2.0	0.0	-116.4	244.3	242.8	3.1
1.0	15.0	3.0	0.0	0.0	-139.7	290.8	289.3	6.1
1.0	15.0	3.0	0.0	0.0	-120.3	252.1	250.5	3.7
1.0	15.0	0.0	0.0	0.0	-136.3	274.7	274.6	5.2
1.0	15.0	0.0	4.0	0.0	-131.9	275.4	273.8	4.7
0.5	15.0	5.0	0.0	0.0	-149.8	319.7	315.7	6.5
0.7	15.0	5.0	0.0	0.0	-148.5	317.1	313.1	6.2
1.0	15.0	0.0	1.0	0.0	-145.2	292.5	292.4	9.0
1.0	15.0	0.0	2.0	0.0	-132.1	275.7	274.2	4.4
1.0	15.0	3.0	0.0	0.0	-158.0	327.5	325.9	9.7
1.0	15.0	2.0	0.0	0.0	-119.4	250.3	248.8	3.9
1.0	15.0	0.0	0.0	0.0	-161.1	324.2	324.1	8.8
1.0	15.0	0.0	0.0	0.0	-124.1	250.3	250.2	5.2
1.0	15.0	2.0	0.0	0.0	-117.2	246.0	244.4	4.9
1.0	15.0	2.0	0.0	0.0	-103.3	218.1	216.6	2.7
1.0	15.0	0.0	0.0	0.0	-160.8	323.6	323.5	8.5
0.8	15.0	0.0	5.0	0.0	-121.0	253.5	251.9	3.8
1.0	15.0	4.0	0.0	0.0	-191.8	395.1	393.5	18.4
0.7	15.0	6.0	0.0	0.0	-147.0	314.1	309.9	10.5
1.0	15.0	0.0	0.0	0.0	-147.7	297.5	297.4	6.4
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	4.5
1.0	15.0	2.0	0.0	0.0	-114.2	240.0	238.4	3.5
1.0	15.0	2.0	0.0	0.0	-103.5	218.5	217.0	2.6
1.0	15.0	0.0	1.0	0.0	-164.4	330.8	330.7	11.6
1.0	15.0	0.0	0.0	0.0	-127.1	256.2	256.1	4.0
1.0	15.0	1.0	0.0	0.0	-108.1	227.7	226.2	4.2
1.0	15.0	1.0	0.0	0.0	-105.3	222.2	220.7	3.2
1.0	15.0	0.0	1.0	0.0	-166.8	335.7	335.6	10.6
1.0	15.0	0.0	0.0	0.0	-137.5	277.2	277.1	7.4
1.0	15.0	3.0	0.0	0.0	-137.4	286.3	284.8	5.8
1.0	15.0	2.0	0.0	0.0	-139.5	290.5	289.0	6.5
1.0	15.0	0.0	0.0	0.0	-132.9	268.0	267.9	5.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-119.1	240.3	240.2	4.0
0.9	15.0	3.0	0.0	0.0	-111.5	234.4	232.9	4.1
1.0	15.0	3.0	0.0	0.0	-105.9	223.4	221.8	3.3
1.0	15.0	0.0	0.0	0.0	-173.4	349.0	348.9	10.3
0.8	15.0	0.0	6.0	0.0	-120.9	253.3	251.8	3.6
1.0	15.0	8.0	0.0	0.0	-160.3	340.5	336.5	11.1
1.0	15.0	8.0	0.0	0.0	-145.7	311.5	307.5	9.1
1.0	15.0	0.0	0.0	0.0	-162.1	326.4	326.3	9.0
1.0	15.0	0.0	0.0	0.0	-149.5	301.1	301.0	6.5
0.7	15.0	2.0	0.0	0.0	-184.0	379.6	378.0	13.0
0.9	15.0	1.0	0.0	0.0	-132.4	276.3	274.7	7.0
1.0	15.0	0.0	0.0	0.0	-168.8	339.8	339.7	10.0
1.0	15.0	0.0	0.0	0.0	-118.4	238.9	238.8	3.7
0.9	15.0	1.0	0.0	0.0	-102.8	217.1	215.6	2.8
1.0	15.0	2.0	0.0	0.0	-87.9	187.3	185.7	2.3
1.0	15.0	0.0	0.0	0.0	-140.2	282.6	282.5	5.9
1.0	15.0	0.0	3.0	0.0	-107.9	236.2	231.9	3.2
1.0	15.0	3.0	0.0	0.0	-134.5	289.0	285.0	7.1
1.0	15.0	3.0	0.0	0.0	-125.1	270.1	266.1	4.7
1.0	15.0	0.0	0.0	0.0	-151.2	304.4	304.3	7.4
1.0	15.0	0.0	3.0	0.0	-122.8	257.1	255.6	4.4
1.0	15.0	1.0	2.0	0.0	-124.1	268.1	264.1	4.7
1.0	15.0	3.0	0.0	0.0	-134.6	280.6	279.1	6.4
1.0	15.0	0.0	2.0	0.0	-121.1	253.7	252.2	4.2
1.0	15.0	0.0	2.0	0.0	-123.2	257.9	256.4	3.9
1.0	15.0	1.0	2.0	0.0	-181.8	383.6	379.6	28.1
0.6	15.0	1.0	1.0	0.0	-148.6	308.7	307.2	12.0
1.0	15.0	0.0	3.0	0.0	-138.7	288.9	287.4	5.9
1.0	15.0	0.0	2.0	0.0	-132.7	277.0	275.5	4.6
1.0	15.0	0.0	1.0	0.0	-108.2	218.6	218.5	4.3
1.0	15.0	1.0	0.0	0.0	-119.0	249.5	247.9	19.3
1.0	15.0	0.0	1.0	0.0	-141.5	294.5	293.0	5.7
1.0	15.0	0.0	1.0	0.0	-118.5	248.5	246.9	12.8
1.0	15.0	0.0	0.0	0.0	-79.0	160.0	159.9	2.2
1.0	15.0	1.0	0.0	0.0	-96.4	204.3	202.8	23.2
1.0	15.0	0.0	2.0	0.0	-175.2	362.0	360.4	14.5
1.0	15.0	0.0	2.0	0.0	-126.3	264.1	262.5	4.6
1.0	15.0	0.0	0.0	0.0	-84.0	170.2	170.1	2.2
1.0	15.0	1.0	0.0	0.0	-117.4	246.4	244.9	15.6
1.0	15.0	0.0	2.0	0.0	-153.3	318.1	316.6	8.4
1.0	15.0	0.0	2.0	0.0	-150.6	312.7	311.2	6.8
1.0	15.0	0.0	0.0	0.0	-73.3	148.7	148.6	1.7
1.0	15.0	1.0	0.0	0.0	-76.2	163.9	162.4	3.2
1.0	15.0	0.0	2.0	0.0	-150.0	311.7	310.1	9.8
1.0	15.0	0.0	1.0	0.0	-135.0	281.4	279.9	4.8
1.0	15.0	0.0	0.0	0.0	-109.9	221.9	221.8	3.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-117.8	247.1	245.6	14.6
1.0	15.0	0.0	1.0	0.0	-158.0	327.6	326.0	7.5
1.0	15.0	0.0	2.0	0.0	-114.7	241.0	239.4	3.6
1.0	15.0	2.0	1.0	0.0	-140.4	300.7	296.7	7.0
1.0	15.0	3.0	0.0	0.0	-129.2	269.9	268.4	5.7
1.0	15.0	0.0	1.0	0.0	-142.6	296.8	295.2	5.6
1.0	15.0	0.0	1.0	0.0	-136.7	284.8	283.3	9.9
1.0	15.0	3.0	1.0	0.0	-168.0	356.0	352.0	23.0
1.0	15.0	0.0	0.0	0.0	-133.5	269.1	269.0	8.1
1.0	15.0	0.0	2.0	0.0	-146.6	304.8	303.2	13.6
1.0	15.0	0.0	1.0	0.0	-146.4	304.4	302.9	6.0
1.0	15.0	0.0	0.0	0.0	-104.0	210.2	210.1	2.5
1.0	15.0	1.0	0.0	0.0	-121.7	254.9	253.4	6.5
1.0	15.0	0.0	1.0	0.0	-175.0	361.6	360.1	19.8
1.0	15.0	0.0	1.0	0.0	-112.0	235.6	234.0	2.9
1.0	15.0	0.0	0.0	0.0	-75.6	153.2	153.1	1.5
1.0	15.0	1.0	0.0	0.0	-72.8	157.2	155.6	1.7
1.0	15.0	0.0	1.0	0.0	-112.5	236.6	235.0	2.7
1.0	15.0	0.0	1.0	0.0	-127.0	265.5	264.0	7.9
1.0	15.0	0.0	0.0	0.0	-83.8	169.7	169.6	2.0
0.8	15.0	1.0	0.0	0.0	-97.1	205.7	204.1	19.5
1.0	15.0	0.0	1.0	0.0	-160.8	333.2	331.6	9.1
1.0	15.0	0.0	1.0	0.0	-134.4	280.3	278.7	5.5
1.0	15.0	0.0	0.0	0.0	-70.1	142.4	142.3	13.0
1.0	15.0	1.0	0.0	0.0	-77.5	166.6	165.1	5.9
1.0	15.0	0.0	1.0	0.0	-142.9	297.3	295.8	8.0
1.0	15.0	0.0	1.0	0.0	-120.6	252.7	251.1	4.3
1.0	15.0	0.0	1.0	0.0	-103.3	208.7	208.6	3.7
1.0	15.0	1.0	0.0	0.0	-104.8	221.1	219.5	20.8
1.0	15.0	0.0	1.0	0.0	-152.3	316.2	314.7	6.5
1.0	15.0	0.0	2.0	0.0	-123.7	258.9	257.3	4.1
1.0	15.0	1.0	2.0	0.0	-138.4	296.7	292.7	6.8
1.0	15.0	3.0	0.0	0.0	-149.6	310.8	309.3	11.9
1.0	15.0	0.0	2.0	0.0	-150.4	312.4	310.9	7.6
1.0	15.0	0.0	1.0	0.0	-125.1	261.6	260.1	6.9
1.0	15.0	2.0	1.0	0.0	-178.1	376.3	372.3	24.1
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	8.9
1.0	15.0	0.0	2.0	0.0	-168.1	347.7	346.1	12.8
1.0	15.0	0.0	3.0	0.0	-146.3	304.1	302.6	13.7
1.0	15.0	0.0	2.0	0.0	-113.7	238.9	237.4	4.2
1.0	15.0	1.0	0.0	0.0	-150.3	312.1	310.6	37.2
1.0	15.0	0.0	2.0	0.0	-181.7	375.0	373.5	18.2
1.0	15.0	0.0	2.0	0.0	-124.9	261.4	259.9	4.8
1.0	15.0	0.0	0.0	0.0	-76.4	154.9	154.8	1.5
1.0	15.0	2.0	0.0	0.0	-93.9	199.3	197.8	17.5
1.0	15.0	0.0	2.0	0.0	-132.4	276.4	274.8	4.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-143.8	299.1	297.6	6.1
1.0	15.0	0.0	0.0	0.0	-93.2	188.5	188.4	2.2
1.0	15.0	1.0	0.0	0.0	-104.1	219.7	218.2	4.1
1.0	15.0	0.0	1.0	0.0	-155.0	321.7	320.1	8.0
1.0	15.0	0.0	2.0	0.0	-131.0	273.6	272.1	8.3
1.0	15.0	0.0	0.0	0.0	-73.2	148.5	148.4	1.9
1.0	15.0	1.0	0.0	0.0	-86.8	185.2	183.7	3.6
1.0	15.0	0.0	2.0	0.0	-159.2	329.9	328.3	10.1
1.0	15.0	0.0	1.0	0.0	-127.3	266.2	264.7	4.7
1.0	15.0	0.0	2.0	0.0	-107.2	225.9	224.4	2.3
1.0	15.0	1.0	0.0	0.0	-113.1	237.7	236.2	5.5
1.0	15.0	0.0	2.0	0.0	-170.1	351.7	350.2	10.1
1.0	15.0	0.0	0.0	0.0	-133.2	268.5	268.4	5.0
1.0	15.0	1.0	0.0	0.0	-170.0	351.6	350.0	14.2
1.0	15.0	1.0	0.0	0.0	-127.4	266.4	264.8	8.1
1.0	15.0	0.0	0.0	0.0	-158.8	319.7	319.6	8.7
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.0	5.4
1.0	15.0	3.0	0.0	0.0	-116.9	245.4	243.8	6.2
1.0	15.0	2.0	0.0	0.0	-115.8	243.1	241.5	4.5
1.0	15.0	0.0	1.0	0.0	-175.2	352.4	352.3	13.5
1.0	15.0	0.0	2.0	0.0	-134.3	280.1	278.5	6.1
1.0	15.0	3.0	0.0	0.0	-128.9	269.3	267.8	5.1
1.0	15.0	3.0	0.0	0.0	-123.7	258.9	257.4	4.4
1.0	15.0	0.0	0.0	0.0	-141.8	285.7	285.6	6.1
1.0	15.0	0.0	3.0	0.0	-129.5	270.6	269.0	5.3
1.0	15.0	3.0	2.0	0.0	-147.6	315.1	311.1	14.2
1.0	15.0	4.0	0.0	0.0	-153.6	327.1	323.1	15.4
0.8	15.0	0.0	2.0	0.0	-154.5	320.6	319.0	16.1
1.0	15.0	0.0	3.0	0.0	-147.1	305.7	304.1	7.2
0.8	15.0	3.0	5.0	0.0	-194.1	408.1	404.1	22.1
0.8	15.0	1.0	3.0	0.0	-151.0	321.9	317.9	11.1
1.0	15.0	0.0	3.0	0.0	-159.1	329.7	328.1	8.3
1.0	15.0	0.0	0.0	0.0	-128.5	259.1	259.0	4.7
1.0	15.0	2.0	0.0	0.0	-127.1	274.2	270.2	7.2
1.0	15.0	2.0	1.0	0.0	-124.4	268.9	264.9	4.8
1.0	15.0	0.0	2.0	0.0	-179.3	370.0	368.5	14.8
1.0	15.0	0.0	3.0	0.0	-134.3	280.2	278.6	5.4
1.0	15.0	1.0	0.0	0.0	-96.9	196.0	195.9	11.7
0.9	15.0	2.0	0.0	0.0	-115.3	242.2	240.7	10.4
1.0	15.0	0.0	2.0	0.0	-184.2	380.0	378.5	12.8
1.0	15.0	0.0	2.0	0.0	-130.3	272.2	270.6	6.6
1.0	15.0	0.0	1.0	0.0	-118.2	238.6	238.5	5.7
1.0	15.0	1.0	0.0	0.0	-106.8	225.1	223.6	8.1
1.0	15.0	0.0	1.0	0.0	-161.6	334.6	333.1	9.9
1.0	15.0	0.0	2.0	0.0	-113.3	238.1	236.5	2.9
1.0	15.0	2.0	0.0	0.0	-120.5	252.5	251.0	3.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-119.8	251.2	249.7	4.6
1.0	15.0	0.0	1.0	0.0	-151.6	305.2	305.1	7.9
1.0	15.0	0.0	4.0	0.0	-137.1	294.2	290.2	5.0
0.7	15.0	2.0	0.0	0.0	-127.2	274.3	270.3	9.9
0.9	15.0	4.0	0.0	0.0	-131.5	283.0	279.0	9.5
1.0	15.0	0.0	0.0	0.0	-148.3	298.7	298.6	6.5
1.0	15.0	0.0	1.0	0.0	-135.0	281.5	279.9	6.5
1.0	15.0	0.0	1.0	0.0	-164.2	330.5	330.4	13.0
1.0	15.0	1.0	0.0	0.0	-136.9	285.2	283.7	11.3
1.0	15.0	0.0	0.0	0.0	-131.9	265.9	265.9	14.5
1.0	15.0	0.0	2.0	0.0	-112.6	236.8	235.3	2.5
1.0	15.0	2.0	0.0	0.0	-149.2	309.9	308.4	7.7
1.0	15.0	2.0	0.0	0.0	-135.4	282.2	280.7	7.3
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.0	5.0
0.6	15.0	1.0	0.0	0.0	-160.6	332.8	331.3	23.9
1.0	15.0	7.0	0.0	0.0	-208.2	427.9	426.4	31.5
1.0	15.0	5.0	0.0	0.0	-189.4	398.7	394.7	20.6
1.0	15.0	0.0	0.0	0.0	-172.5	347.1	347.0	11.9
1.0	15.0	0.0	0.0	0.0	-135.6	273.3	273.2	4.8
1.0	15.0	2.0	0.0	0.0	-111.1	233.8	232.3	4.0
1.0	15.0	1.0	0.0	0.0	-101.3	214.1	212.5	2.5
1.0	15.0	0.0	1.0	0.0	-154.6	311.3	311.2	10.6
1.0	15.0	0.0	2.0	0.0	-124.6	260.8	259.2	3.8
1.0	15.0	3.0	0.0	0.0	-146.9	305.4	303.9	6.4
1.0	15.0	2.0	0.0	0.0	-133.2	278.0	276.4	4.6
1.0	15.0	0.0	0.0	0.0	-156.3	314.7	314.6	7.5
0.8	15.0	0.0	5.0	0.0	-120.7	261.3	257.3	3.8
0.6	15.0	6.0	0.0	0.0	-173.6	367.1	363.1	13.6
1.0	15.0	6.0	0.0	0.0	-154.3	328.6	324.6	7.8
1.0	15.0	0.0	0.0	0.0	-147.3	296.6	296.5	6.2
0.8	15.0	0.0	3.0	0.0	-130.2	271.9	270.4	4.9
0.9	15.0	8.0	0.0	0.0	-164.9	349.7	345.7	12.5
1.0	15.0	7.0	0.0	0.0	-147.0	314.0	310.0	9.1
1.0	15.0	0.0	0.0	0.0	-154.7	311.4	311.3	7.3
1.0	15.0	0.0	2.0	0.0	-121.1	253.7	252.2	4.2
1.0	15.0	2.0	1.0	0.0	-146.6	313.2	309.2	6.2
1.0	15.0	3.0	0.0	0.0	-133.2	278.0	276.5	4.4
1.0	15.0	0.0	2.0	0.0	-127.3	266.2	264.7	5.9
1.0	15.0	0.0	1.0	0.0	-129.1	269.7	268.1	5.0
1.0	15.0	2.0	1.0	0.0	-149.8	319.5	315.5	11.5
1.0	15.0	2.0	0.0	0.0	-112.7	236.8	235.3	2.9
1.0	15.0	0.0	2.0	0.0	-147.2	306.0	304.5	9.9
1.0	15.0	3.0	0.0	0.0	-138.8	289.1	287.6	8.3
0.9	15.0	1.0	3.0	0.0	-193.0	406.1	402.1	34.1
1.0	15.0	0.0	3.0	0.0	-160.7	332.8	331.3	14.2
1.0	15.0	0.0	3.0	0.0	-148.7	309.0	307.5	7.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-121.5	245.1	245.0	5.0
0.5	15.0	1.0	0.0	0.0	-110.9	241.7	237.7	9.0
0.9	15.0	2.0	0.0	0.0	-103.9	227.7	223.7	4.8
1.0	15.0	0.0	2.0	0.0	-158.6	328.8	327.3	9.6
1.0	15.0	0.0	1.0	0.0	-126.3	264.1	262.6	4.1
1.0	15.0	2.0	0.0	0.0	-127.1	265.7	264.2	20.9
1.0	15.0	1.0	0.0	0.0	-121.1	253.8	252.2	12.1
1.0	15.0	0.0	1.0	0.0	-157.2	316.6	316.5	9.8
1.0	15.0	0.0	1.0	0.0	-107.6	226.8	225.3	3.1
1.0	15.0	0.0	0.0	0.0	-70.4	142.9	142.8	1.3
0.5	15.0	1.0	0.0	0.0	-70.9	153.4	151.9	1.7
1.0	15.0	0.0	2.0	0.0	-146.6	304.8	303.3	9.7
1.0	15.0	0.0	5.0	0.0	-133.3	278.1	276.6	6.9
1.0	15.0	2.0	3.0	0.0	-156.0	332.0	328.0	13.2
1.0	15.0	2.0	0.0	0.0	-145.8	311.5	307.5	12.9
1.0	15.0	0.0	2.0	0.0	-165.4	342.4	340.9	14.1
1.0	15.0	0.0	0.0	0.0	-141.4	284.9	284.8	6.1
1.0	15.0	3.0	0.0	0.0	-160.9	333.4	331.8	9.0
1.0	15.0	3.0	0.0	0.0	-138.7	288.9	287.4	7.3
1.0	15.0	0.0	2.0	0.0	-156.3	324.1	322.6	9.7
1.0	15.0	0.0	0.0	0.0	-116.9	235.8	235.7	3.3
1.0	15.0	1.0	0.0	0.0	-158.5	328.6	327.1	7.8
1.0	15.0	2.0	0.0	0.0	-120.9	253.4	251.9	3.6
1.0	15.0	0.0	0.0	0.0	-140.5	283.0	282.9	5.6
1.0	15.0	0.0	0.0	0.0	-139.6	281.4	281.3	6.6
1.0	15.0	1.0	0.0	0.0	-167.8	347.1	345.6	10.7
1.0	15.0	2.0	0.0	0.0	-122.7	257.0	255.5	4.0
1.0	15.0	1.0	0.0	0.0	-173.6	349.3	349.2	10.6
1.0	15.0	0.0	2.0	0.0	-140.7	293.0	291.5	6.1
1.0	15.0	1.0	1.0	0.0	-138.1	296.1	292.1	5.6
1.0	15.0	1.0	0.0	0.0	-145.0	310.1	306.1	8.1
1.0	15.0	0.0	2.0	0.0	-127.9	267.3	265.7	5.0
1.0	15.0	0.0	1.0	0.0	-133.1	277.7	276.2	6.9
1.0	15.0	3.0	1.0	0.0	-186.8	393.6	389.6	30.2
1.0	15.0	2.0	1.0	0.0	-149.3	318.5	314.5	13.4
1.0	15.0	0.0	1.0	0.0	-168.9	349.4	347.9	14.4
1.0	15.0	0.0	1.0	0.0	-150.1	311.7	310.2	6.5
1.0	15.0	0.0	0.0	0.0	-115.1	232.3	232.2	3.7
1.0	15.0	1.0	0.0	0.0	-118.4	248.3	246.8	4.8
1.0	15.0	0.0	1.0	0.0	-175.0	361.6	360.1	12.4
0.7	15.0	0.0	2.0	0.0	-108.0	235.9	231.9	2.8
1.0	15.0	0.0	0.0	0.0	-73.9	150.0	149.9	1.4
0.7	15.0	2.0	0.0	0.0	-87.5	195.0	191.0	3.8
0.7	15.0	0.0	2.0	0.0	-138.5	297.1	293.1	5.3
1.0	15.0	0.0	1.0	0.0	-122.9	257.4	255.8	4.4
1.0	15.0	0.0	0.0	0.0	-66.6	135.3	135.3	1.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	1.0	0.0	0.0	-66.4	144.3	142.8	1.0
1.0	15.0	0.0	1.0	0.0	-150.7	313.1	311.5	7.9
1.0	15.0	0.0	1.0	0.0	-120.9	253.4	251.8	3.3
1.0	15.0	1.0	1.0	0.0	-115.2	241.9	240.4	3.1
1.0	15.0	1.0	0.0	0.0	-104.8	221.1	219.6	2.9
1.0	15.0	0.0	1.0	0.0	-165.5	342.5	341.0	9.4
1.0	15.0	0.0	5.0	0.0	-121.9	255.4	253.8	4.6
1.0	15.0	1.0	1.0	0.0	-137.5	286.6	285.1	5.6
1.0	15.0	2.0	0.0	0.0	-136.8	293.5	289.5	6.8
1.0	15.0	0.0	0.0	0.0	-129.3	260.7	260.6	4.2
0.8	15.0	0.0	5.0	0.0	-138.1	296.3	292.3	7.2
1.0	15.0	0.0	4.0	0.0	-79.0	169.6	168.0	1.1
0.9	15.0	3.0	0.0	0.0	-111.3	242.6	238.6	7.4
0.7	15.0	2.0	4.0	0.0	-183.7	387.3	383.3	20.5
1.0	15.0	0.0	5.0	0.0	-141.8	295.1	293.6	5.4
1.0	15.0	2.0	0.0	0.0	-117.2	254.4	250.4	5.5
1.0	15.0	3.0	0.0	0.0	-126.0	272.0	268.0	5.2
1.0	15.0	0.0	3.0	0.0	-160.6	332.7	331.2	11.5
1.0	15.0	0.0	6.0	0.0	-157.1	325.8	324.2	8.6
1.0	15.0	0.0	3.0	0.0	-120.8	253.2	251.6	4.4
1.0	15.0	4.0	0.0	0.0	-170.3	352.1	350.6	14.5
1.0	15.0	0.0	5.0	0.0	-180.4	372.3	370.7	14.2
1.0	15.0	0.0	1.0	0.0	-123.8	259.2	257.7	4.0
1.0	15.0	0.0	1.0	0.0	-140.8	283.7	283.6	9.7
1.0	15.0	1.0	0.0	0.0	-124.2	260.0	258.4	5.0
1.0	15.0	0.0	1.0	0.0	-139.3	290.1	288.6	5.2
1.0	15.0	0.0	4.0	0.0	-150.7	313.0	311.5	8.7
1.0	15.0	1.0	3.0	0.0	-205.2	430.5	426.5	35.6
1.0	15.0	1.0	0.0	0.0	-171.3	362.6	358.6	16.1
1.0	15.0	0.0	4.0	0.0	-163.9	339.3	337.7	13.3
1.0	15.0	0.0	2.0	0.0	-132.5	276.4	274.9	4.5
0.9	15.0	0.0	1.0	0.0	-108.3	228.2	226.7	2.5
1.0	15.0	1.0	0.0	0.0	-120.1	251.8	250.3	6.6
1.0	15.0	0.0	2.0	0.0	-171.1	353.8	352.2	10.6
1.0	15.0	0.0	1.0	0.0	-161.4	334.3	332.8	8.2
1.0	15.0	0.0	0.0	0.0	-83.6	169.3	169.2	2.5
1.0	15.0	1.0	0.0	0.0	-69.9	151.4	149.9	1.0
1.0	15.0	0.0	1.0	0.0	-153.7	318.9	317.4	8.0
1.0	15.0	0.0	2.0	0.0	-118.4	248.4	246.9	3.2
1.0	15.0	0.0	1.0	0.0	-107.8	227.1	225.5	2.2
1.0	15.0	1.0	0.0	0.0	-103.3	218.2	216.7	2.2
1.0	15.0	0.0	1.0	0.0	-161.2	334.0	332.5	8.7
1.0	15.0	0.0	1.0	0.0	-135.4	282.4	280.8	6.8
0.7	15.0	2.0	4.0	0.0	-176.4	372.7	368.7	19.0
1.0	15.0	1.0	0.0	0.0	-157.8	317.7	317.6	12.0
1.0	15.0	0.0	1.0	0.0	-166.1	343.6	342.1	10.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-125.8	263.1	261.5	4.2
1.0	15.0	0.0	1.0	0.0	-110.8	233.2	231.7	2.6
1.0	15.0	1.0	0.0	0.0	-120.8	253.1	251.6	16.2
1.0	15.0	0.0	1.0	0.0	-143.9	299.4	297.8	6.5
1.0	15.0	0.0	2.0	0.0	-123.0	257.6	256.0	5.3
1.0	15.0	0.0	2.0	0.0	-140.6	292.8	291.2	5.4
1.0	15.0	1.0	0.0	0.0	-146.1	303.6	302.1	7.0
1.0	15.0	0.0	2.0	0.0	-149.5	310.5	308.9	7.5
1.0	15.0	0.0	1.0	0.0	-150.3	312.1	310.5	10.8
1.0	15.0	3.0	2.0	0.0	-195.0	410.0	406.0	25.2
1.0	15.0	2.0	2.0	0.0	-168.5	357.0	353.0	11.7
1.0	15.0	0.0	2.0	0.0	-164.5	340.6	339.0	10.1
1.0	15.0	1.0	2.0	0.0	-147.4	306.3	304.8	10.4
1.0	15.0	0.0	2.0	0.0	-118.7	249.0	247.4	3.8
1.0	15.0	1.0	1.0	0.0	-137.4	286.3	284.8	12.5
1.0	15.0	0.0	2.0	0.0	-170.1	351.8	350.2	11.2
1.0	15.0	0.0	2.0	0.0	-133.7	278.9	277.3	14.2
1.0	15.0	0.0	2.0	0.0	-78.6	168.7	167.2	1.0
1.0	15.0	2.0	0.0	0.0	-85.8	183.2	181.7	5.1
1.0	15.0	0.0	2.0	0.0	-143.3	298.1	296.6	17.8
1.0	15.0	0.0	1.0	0.0	-110.4	232.3	230.8	2.4
1.0	15.0	0.0	0.0	0.0	-99.8	201.7	201.6	4.4
0.6	15.0	1.0	0.0	0.0	-113.8	239.1	237.6	11.3
1.0	15.0	0.0	1.0	0.0	-171.2	353.9	352.4	10.6
1.0	15.0	0.0	2.0	0.0	-140.3	292.2	290.6	7.2
1.0	15.0	0.0	0.0	0.0	-81.0	164.1	164.0	2.4
1.0	15.0	1.0	0.0	0.0	-69.5	150.5	149.0	1.6
1.0	15.0	0.0	2.0	0.0	-150.2	312.0	310.4	8.5
1.0	15.0	0.0	2.0	0.0	-134.6	280.7	279.1	6.2
1.0	15.0	0.0	1.0	0.0	-114.1	239.6	238.1	3.3
1.0	15.0	2.0	0.0	0.0	-113.2	237.9	236.4	4.7
1.0	15.0	0.0	1.0	0.0	-161.0	333.6	332.1	12.4
0.8	15.0	0.0	3.0	0.0	-120.7	253.0	251.5	3.4
1.0	15.0	4.0	0.0	0.0	-158.7	329.0	327.4	9.7
1.0	15.0	4.0	0.0	0.0	-118.4	248.3	246.8	3.5
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	6.7
0.9	15.0	0.0	3.0	0.0	-130.6	281.2	277.2	4.4
1.0	15.0	6.0	0.0	0.0	-162.4	344.7	340.7	11.6
1.0	15.0	6.0	0.0	0.0	-148.8	317.5	313.5	8.1
1.0	15.0	0.0	1.0	0.0	-184.1	370.4	370.3	17.7
1.0	15.0	0.0	0.0	0.0	-132.8	267.7	267.6	5.6
1.0	15.0	4.0	0.0	0.0	-121.8	255.2	253.6	4.9
1.0	15.0	4.0	0.0	0.0	-123.2	258.0	256.4	5.7
1.0	15.0	0.0	1.0	0.0	-156.1	314.3	314.2	9.4
1.0	15.0	0.0	1.0	0.0	-115.0	241.5	239.9	2.8
1.0	15.0	2.0	0.0	0.0	-144.7	301.0	299.4	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-134.3	280.1	278.5	5.7
1.0	15.0	0.0	0.0	0.0	-139.1	280.2	280.1	5.1
0.8	15.0	0.0	1.0	0.0	-106.2	224.0	222.4	2.5
1.0	15.0	2.0	0.0	0.0	-150.5	312.6	311.1	11.9
1.0	15.0	2.0	0.0	0.0	-142.1	295.8	294.2	17.5
1.0	15.0	0.0	0.0	0.0	-140.0	282.0	281.9	5.4
1.0	15.0	0.0	2.0	0.0	-119.2	250.0	248.5	3.2
1.0	15.0	0.0	0.0	0.0	-106.5	215.2	215.1	3.4
1.0	15.0	1.0	0.0	0.0	-123.8	259.1	257.5	20.1
1.0	15.0	0.0	1.0	0.0	-155.1	321.7	320.1	7.0
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	4.9
1.0	15.0	2.0	0.0	0.0	-103.9	219.3	217.8	1.9
1.0	15.0	2.0	0.0	0.0	-110.3	232.1	230.6	2.7
1.0	15.0	0.0	0.0	0.0	-138.3	278.6	278.5	5.4
1.0	15.0	0.0	2.0	0.0	-126.3	264.2	262.7	5.1
1.0	15.0	3.0	0.0	0.0	-163.8	339.1	337.5	9.5
1.0	15.0	1.0	0.0	0.0	-116.2	243.9	242.3	2.9
1.0	15.0	0.0	0.0	0.0	-152.3	306.8	306.7	7.0
1.0	15.0	0.0	0.0	0.0	-132.4	266.8	266.7	5.2
1.0	15.0	3.0	0.0	0.0	-179.4	370.3	368.8	16.5
1.0	15.0	3.0	0.0	0.0	-153.7	318.9	317.4	10.1
1.0	15.0	0.0	0.0	0.0	-159.3	320.6	320.5	7.5
1.0	15.0	0.0	2.0	0.0	-135.3	282.2	280.7	5.6
0.9	15.0	5.0	0.0	0.0	-175.5	362.6	361.0	15.7
1.0	15.0	4.0	0.0	0.0	-153.4	326.7	322.7	16.1
1.0	15.0	0.0	0.0	0.0	-146.7	295.5	295.5	5.6
1.0	15.0	0.0	1.0	0.0	-137.4	286.3	284.8	4.4
1.0	15.0	1.0	0.0	0.0	-123.1	257.8	256.2	4.4
1.0	15.0	1.0	0.0	0.0	-124.6	260.7	259.2	4.0
1.0	15.0	0.0	0.0	0.0	-137.1	276.3	276.2	5.0
1.0	15.0	0.0	3.0	0.0	-133.2	277.8	276.3	4.9
1.0	15.0	3.0	0.0	0.0	-159.5	330.5	329.0	18.3
1.0	15.0	3.0	0.0	0.0	-129.9	271.4	269.9	10.2
1.0	15.0	0.0	0.0	0.0	-166.9	335.8	335.7	12.2
1.0	15.0	0.0	2.0	0.0	-120.7	253.0	251.4	3.4
1.0	15.0	5.0	0.0	0.0	-130.6	281.2	277.2	5.8
1.0	15.0	5.0	0.0	0.0	-128.4	276.9	272.9	5.2
1.0	15.0	0.0	1.0	0.0	-151.4	314.3	312.8	6.8
1.0	15.0	0.0	2.0	0.0	-141.0	293.5	292.0	5.3
0.9	15.0	3.0	0.0	0.0	-171.6	354.7	353.2	11.7
1.0	15.0	3.0	0.0	0.0	-167.1	345.8	344.2	14.8
1.0	15.0	0.0	0.0	0.0	-132.7	267.6	267.5	5.1
1.0	15.0	0.0	3.0	0.0	-124.4	268.8	264.8	10.1
1.0	15.0	4.0	1.0	0.0	-175.4	370.8	366.8	28.4
1.0	15.0	3.0	1.0	0.0	-153.1	326.1	322.1	17.1
1.0	15.0	0.0	2.0	0.0	-156.9	325.3	323.7	8.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-120.1	251.8	250.2	4.3
1.0	15.0	4.0	1.0	0.0	-144.9	309.7	305.7	11.7
1.0	15.0	4.0	0.0	0.0	-129.9	279.8	275.8	6.4
1.0	15.0	0.0	0.0	0.0	-168.0	338.1	338.0	11.4
1.0	15.0	0.0	0.0	0.0	-168.0	338.1	338.0	10.2
0.9	15.0	6.0	0.0	0.0	-169.1	358.3	354.3	11.5
1.0	15.0	4.0	0.0	0.0	-142.2	295.9	294.3	5.9
1.0	15.0	0.0	0.0	0.0	-170.2	342.5	342.4	12.2
1.0	15.0	1.0	2.0	0.0	-136.2	283.9	282.3	5.7
0.9	15.0	3.0	0.0	0.0	-113.2	246.4	242.4	4.0
0.9	15.0	3.0	0.0	0.0	-119.4	250.3	248.7	4.8
1.0	15.0	0.0	3.0	0.0	-145.0	301.6	300.1	6.3
1.0	15.0	0.0	3.0	0.0	-126.7	264.9	263.4	3.9
0.9	15.0	3.0	0.0	0.0	-125.9	263.3	261.8	7.7
0.7	15.0	3.0	0.0	0.0	-118.8	257.7	253.7	6.8
1.0	15.0	0.0	3.0	0.0	-140.3	292.2	290.6	6.0
1.0	15.0	0.0	5.0	0.0	-120.6	252.7	251.2	3.6
1.0	15.0	0.0	0.0	0.0	-107.1	216.2	216.1	2.5
1.0	15.0	4.0	0.0	0.0	-103.1	217.7	216.2	1.8
1.0	15.0	0.0	0.0	0.0	-173.3	348.7	348.6	10.4
1.0	15.0	0.0	4.0	0.0	-136.2	283.9	282.3	4.8
1.0	15.0	0.0	0.0	0.0	-99.4	200.9	200.8	2.5
1.0	15.0	5.0	0.0	0.0	-110.6	232.7	231.2	2.7
1.0	15.0	0.0	0.0	0.0	-160.9	323.8	323.7	7.8
1.0	15.0	0.0	3.0	0.0	-123.4	258.3	256.8	3.7
1.0	15.0	3.0	0.0	0.0	-81.0	181.9	177.9	1.1
0.8	15.0	3.0	0.0	0.0	-84.2	188.3	184.3	1.7
1.0	15.0	0.0	0.0	0.0	-155.5	313.2	313.1	7.4
1.0	15.0	0.0	4.0	0.0	-142.0	295.5	293.9	7.9
1.0	15.0	2.0	0.0	0.0	-101.1	213.6	212.1	1.6
1.0	15.0	3.0	0.0	0.0	-115.1	241.7	240.2	8.9
1.0	15.0	0.0	0.0	0.0	-153.2	308.6	308.5	11.1
1.0	15.0	0.0	4.0	0.0	-113.7	238.9	237.4	2.6
1.0	15.0	0.0	0.0	0.0	-106.2	214.5	214.4	2.3
1.0	15.0	3.0	0.0	0.0	-106.6	224.7	223.2	2.2
1.0	15.0	0.0	0.0	0.0	-152.7	307.4	307.3	6.8
1.0	15.0	0.0	0.0	0.0	-137.7	277.4	277.3	5.0
1.0	15.0	2.0	0.0	0.0	-165.5	342.5	340.9	12.7
1.0	15.0	2.0	0.0	0.0	-128.1	267.7	266.2	8.3
1.0	15.0	0.0	0.0	0.0	-145.5	293.0	292.9	6.7
1.0	15.0	0.0	3.0	0.0	-128.8	269.2	267.7	4.4
1.0	15.0	6.0	0.0	0.0	-155.8	331.7	327.7	12.0
1.0	15.0	6.0	0.0	0.0	-153.6	327.2	323.2	13.9
1.0	15.0	0.0	0.0	0.0	-167.7	337.4	337.4	9.5
1.0	15.0	0.0	2.0	0.0	-130.5	272.5	271.0	4.9
1.0	15.0	4.0	0.0	0.0	-155.8	331.5	327.5	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	5.0	0.0	0.0	-149.8	311.2	309.7	7.1
1.0	15.0	0.0	1.0	0.0	-150.8	313.1	311.5	6.6
1.0	15.0	0.0	1.0	0.0	-143.9	299.3	297.7	6.5
0.7	15.0	3.0	6.0	0.0	-190.1	400.2	396.2	21.9
1.0	15.0	2.0	1.0	0.0	-155.0	330.0	326.0	17.1
1.0	15.0	0.0	1.0	0.0	-163.9	339.4	337.8	11.1
1.0	15.0	0.0	1.0	0.0	-127.6	266.7	265.2	4.7
1.0	15.0	0.0	0.0	0.0	-59.2	120.4	120.3	0.7
0.6	15.0	1.0	0.0	0.0	-72.0	155.5	153.9	1.6
1.0	15.0	0.0	1.0	0.0	-124.1	259.8	258.3	4.3
1.0	15.0	0.0	1.0	0.0	-131.9	275.4	273.8	4.2
1.0	15.0	2.0	0.0	0.0	-109.3	238.5	234.5	2.3
1.0	15.0	1.0	0.0	0.0	-117.2	245.9	244.3	4.7
1.0	15.0	0.0	1.0	0.0	-180.6	363.2	363.1	15.4
1.0	15.0	0.0	0.0	0.0	-119.4	240.8	240.7	4.1
1.0	15.0	3.0	0.0	0.0	-167.8	347.2	345.7	22.6
1.0	15.0	2.0	0.0	0.0	-123.9	259.3	257.8	10.0
1.0	15.0	0.0	0.0	0.0	-156.7	315.4	315.3	7.5
0.9	15.0	0.0	5.0	0.0	-136.0	283.5	281.9	4.9
0.6	15.0	2.0	4.0	0.0	-193.7	407.4	403.4	23.8
1.0	15.0	2.0	2.0	0.0	-156.8	333.5	329.5	11.6
1.0	15.0	0.0	4.0	0.0	-169.2	350.0	348.5	9.6
0.9	15.0	0.0	3.0	0.0	-117.4	246.2	244.7	3.3
1.0	15.0	0.0	0.0	0.0	-70.4	142.8	142.7	1.1
1.0	15.0	3.0	0.0	0.0	-73.7	158.9	157.4	1.2
0.9	15.0	0.0	2.0	0.0	-148.1	307.6	306.1	9.0
0.5	15.0	0.0	4.0	0.0	-130.2	280.3	276.3	4.5
1.0	15.0	1.0	0.0	0.0	-122.1	264.2	260.2	5.5
1.0	15.0	2.0	0.0	0.0	-138.1	296.2	292.2	8.4
1.0	15.0	0.0	1.0	0.0	-185.4	372.9	372.8	16.3
1.0	15.0	0.0	1.0	0.0	-131.1	273.8	272.2	4.3
1.0	15.0	3.0	1.0	0.0	-107.1	234.1	230.1	2.3
1.0	15.0	1.0	0.0	0.0	-118.4	248.3	246.7	21.5
1.0	15.0	0.0	1.0	0.0	-145.4	302.4	300.9	5.9
1.0	15.0	0.0	0.0	0.0	-130.1	262.3	262.2	5.3
1.0	15.0	2.0	0.0	0.0	-157.9	327.3	325.8	9.9
1.0	15.0	2.0	0.0	0.0	-113.9	239.3	237.7	6.8
1.0	15.0	0.0	0.0	0.0	-143.4	288.8	288.7	5.8
1.0	15.0	0.0	1.0	0.0	-105.6	222.7	221.1	2.2
1.0	15.0	1.0	0.0	0.0	-123.2	258.0	256.5	3.8
1.0	15.0	2.0	0.0	0.0	-106.2	223.9	222.4	2.4
1.0	15.0	0.0	0.0	0.0	-107.6	217.3	217.2	2.8
1.0	15.0	0.0	4.0	0.0	-127.6	266.8	265.3	6.1
0.9	15.0	1.0	3.0	0.0	-150.6	321.2	317.2	15.0
0.7	15.0	1.0	0.0	0.0	-141.9	303.8	299.8	13.4
1.0	15.0	0.0	3.0	0.0	-150.7	312.9	311.4	7.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-151.8	315.2	313.6	6.7
1.0	15.0	1.0	3.0	0.0	-217.2	454.5	450.5	44.1
1.0	15.0	3.0	1.0	0.0	-188.3	396.6	392.6	24.3
1.0	15.0	0.0	5.0	0.0	-135.1	281.8	280.3	5.6
1.0	15.0	0.0	4.0	0.0	-132.2	276.0	274.5	12.7
1.0	15.0	0.0	0.0	0.0	-81.4	164.8	164.8	3.2
1.0	15.0	5.0	0.0	0.0	-119.8	259.6	255.6	10.6
1.0	15.0	4.0	4.0	0.0	-165.8	351.7	347.7	21.0
1.0	15.0	0.0	4.0	0.0	-154.0	319.6	318.0	7.1
1.0	15.0	4.0	0.0	0.0	-127.8	275.6	271.6	8.2
1.0	15.0	4.0	0.0	0.0	-124.7	269.5	265.5	10.0
1.0	15.0	0.0	3.0	0.0	-172.3	356.1	354.6	12.7
1.0	15.0	0.0	4.0	0.0	-132.7	277.0	275.4	4.8
1.0	15.0	0.0	0.0	0.0	-102.5	207.0	206.9	2.9
1.0	15.0	4.0	0.0	0.0	-76.2	164.0	162.5	1.3
1.0	15.0	0.0	4.0	0.0	-163.6	338.8	337.3	11.8
1.0	15.0	0.0	4.0	0.0	-149.6	310.7	309.2	7.0
1.0	15.0	0.0	3.0	0.0	-124.4	260.4	258.8	3.6
1.0	15.0	3.0	0.0	0.0	-122.5	256.6	255.1	3.6
1.0	15.0	0.0	3.0	0.0	-163.8	339.2	337.7	8.4
1.0	15.0	0.0	0.0	0.0	-148.1	298.3	298.2	7.0
0.8	15.0	2.0	0.0	0.0	-173.0	357.6	356.1	13.8
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	7.5
0.9	15.0	0.0	3.0	0.0	-173.8	359.2	357.6	12.9
1.0	15.0	4.0	2.0	0.0	-122.8	265.6	261.6	3.4
1.0	15.0	2.0	0.0	0.0	-121.1	262.1	258.1	5.6
0.7	15.0	2.0	0.0	0.0	-109.6	239.2	235.2	3.9
1.0	15.0	0.0	1.0	0.0	-163.8	339.2	337.7	8.4
1.0	15.0	0.0	1.0	0.0	-115.0	241.6	240.1	3.6
1.0	15.0	2.0	0.0	0.0	-118.7	249.0	247.5	3.4
1.0	15.0	1.0	0.0	0.0	-117.9	247.4	245.9	4.6
1.0	15.0	0.0	1.0	0.0	-164.4	331.0	330.9	10.2
1.0	15.0	0.0	0.0	0.0	-146.0	294.1	294.0	7.9
1.0	15.0	2.0	0.0	0.0	-150.2	312.0	310.5	7.2
1.0	15.0	2.0	0.0	0.0	-139.6	290.8	289.2	6.9
1.0	15.0	0.0	0.0	0.0	-133.0	268.2	268.1	5.3
1.0	15.0	1.0	3.0	0.0	-114.3	248.6	244.6	4.2
1.0	15.0	6.0	0.0	0.0	-204.2	420.0	418.4	29.2
1.0	15.0	6.0	0.0	0.0	-155.0	330.0	326.0	11.1
1.0	15.0	0.0	0.0	0.0	-167.6	337.3	337.2	10.2
0.8	15.0	1.0	0.0	0.0	-129.5	270.5	268.9	6.0
1.0	15.0	2.0	0.0	0.0	-118.2	247.8	246.3	5.3
1.0	15.0	3.0	0.0	0.0	-101.8	215.1	213.5	1.7
1.0	15.0	0.0	0.0	0.0	-163.5	329.0	328.9	9.2
0.6	15.0	2.0	0.0	0.0	-103.9	219.3	217.8	1.8
1.0	15.0	1.0	0.0	0.0	-79.3	170.1	168.6	1.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-66.8	145.1	143.6	0.5
1.0	15.0	0.0	1.0	0.0	-158.3	318.7	318.6	7.8
1.0	15.0	0.0	0.0	0.0	-146.0	294.0	293.9	10.3
1.0	15.0	3.0	1.0	0.0	-187.7	395.4	391.4	40.7
1.0	15.0	2.0	1.0	0.0	-151.6	323.3	319.3	17.2
1.0	15.0	0.0	1.0	0.0	-162.2	326.4	326.3	17.2
1.0	15.0	0.0	1.0	0.0	-122.4	256.3	254.8	3.7
1.0	15.0	2.0	0.0	0.0	-118.6	257.2	253.2	4.7
0.9	15.0	3.0	0.0	0.0	-106.1	232.2	228.2	2.6
1.0	15.0	0.0	1.0	0.0	-160.0	322.2	322.1	11.9
1.0	15.0	0.0	0.0	0.0	-252.9	507.8	507.7	6.1
1.0	15.0	2.0	0.0	0.0	-344.9	707.7	705.9	21.2
1.0	15.0	2.0	1.0	0.0	-269.8	557.3	555.5	10.8
1.0	15.0	0.0	0.0	0.0	-311.7	625.3	625.3	9.9
1.0	15.0	0.0	1.0	0.0	-230.0	470.7	470.0	6.5
1.0	15.0	0.0	0.0	0.0	-125.7	253.5	253.5	0.8
0.9	15.0	1.0	0.0	0.0	-161.3	333.3	332.6	6.0
1.0	15.0	1.0	1.0	0.0	-304.7	620.0	619.3	15.0
1.0	15.0	0.0	2.0	0.0	-267.4	545.6	544.9	6.7
1.0	15.0	3.0	0.0	0.0	-294.5	606.9	605.1	12.5
1.0	15.0	3.0	0.0	0.0	-263.1	543.9	542.1	14.6
1.0	15.0	0.0	1.0	0.0	-360.7	723.5	723.4	16.0
1.0	15.0	0.0	4.0	0.0	-126.6	273.2	269.2	4.0
1.0	15.0	6.0	0.0	0.0	-172.3	356.1	354.6	12.2
1.0	15.0	5.0	0.0	0.0	-141.7	294.9	293.4	6.6
1.0	15.0	0.0	0.0	0.0	-152.2	306.6	306.5	7.6
1.0	15.0	0.0	6.0	0.0	-116.1	252.2	248.2	3.5
1.0	15.0	6.0	0.0	0.0	-170.8	353.2	351.7	26.2
0.9	15.0	6.0	0.0	0.0	-134.9	281.4	279.9	17.2
1.0	15.0	0.0	0.0	0.0	-162.1	326.3	326.2	9.5
1.0	15.0	0.0	0.0	0.0	-134.3	270.7	270.6	4.4
1.0	15.0	1.0	0.0	0.0	-118.5	248.5	247.0	4.8
1.0	15.0	2.0	0.0	0.0	-104.7	221.0	219.5	2.0
1.0	15.0	0.0	0.0	0.0	-168.3	338.8	338.7	10.4
1.0	15.0	0.0	0.0	0.0	-124.9	251.8	251.7	3.9
1.0	15.0	2.0	0.0	0.0	-166.9	345.3	343.7	11.9
1.0	15.0	1.0	0.0	0.0	-123.3	258.2	256.6	4.9
1.0	15.0	0.0	0.0	0.0	-149.8	301.8	301.7	6.5
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.6	5.7
0.8	15.0	1.0	0.0	0.0	-122.8	265.7	261.7	15.3
0.9	15.0	2.0	0.0	0.0	-117.7	246.9	245.4	18.1
1.0	15.0	0.0	0.0	0.0	-142.8	287.6	287.5	5.4
1.0	15.0	0.0	0.0	0.0	-140.5	283.1	283.0	5.0
1.0	15.0	1.0	0.0	0.0	-170.4	352.3	350.7	13.3
1.0	15.0	1.0	0.0	0.0	-139.4	290.4	288.8	5.6
1.0	15.0	0.0	0.0	0.0	-132.7	267.5	267.4	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-147.3	296.7	296.6	7.5
1.0	15.0	1.0	0.0	0.0	-153.7	319.0	317.4	13.5
1.0	15.0	1.0	0.0	0.0	-131.9	275.4	273.8	12.1
1.0	15.0	0.0	0.0	0.0	-152.2	306.6	306.5	13.1
1.0	15.0	0.0	1.0	0.0	-125.8	263.2	261.6	6.7
1.0	15.0	0.0	1.0	0.0	-125.5	262.6	261.0	4.0
1.0	15.0	1.0	2.0	0.0	-127.7	266.9	265.4	5.4
1.0	15.0	0.0	1.0	0.0	-137.5	286.5	284.9	6.1
1.0	15.0	0.0	3.0	0.0	-141.1	293.7	292.1	6.4
1.0	15.0	2.0	4.0	0.0	-196.0	412.1	407.9	34.5
1.0	15.0	1.0	1.0	0.0	-154.4	329.0	324.9	14.5
1.0	15.0	0.0	4.0	0.0	-143.5	298.5	297.0	6.7
1.0	15.0	0.0	1.0	0.0	-123.6	258.7	257.1	6.4
1.0	15.0	0.0	0.0	0.0	-76.8	155.8	155.7	2.2
1.0	15.0	1.0	0.0	0.0	-81.1	173.7	172.1	3.3
1.0	15.0	0.0	1.0	0.0	-129.0	269.6	268.1	10.7
1.0	15.0	0.0	2.0	0.0	-118.3	248.2	246.6	5.3
0.5	15.0	0.0	2.0	0.0	-103.3	218.2	216.7	2.2
1.0	15.0	2.0	0.0	0.0	-115.0	241.5	240.0	11.1
1.0	15.0	0.0	3.0	0.0	-155.4	322.2	320.7	8.5
1.0	15.0	0.0	1.0	0.0	-140.7	293.0	291.4	6.1
1.0	15.0	0.0	0.0	0.0	-80.6	163.2	163.1	2.4
1.0	15.0	1.0	0.0	0.0	-66.8	145.2	143.7	0.8
1.0	15.0	0.0	1.0	0.0	-152.8	317.1	315.6	8.3
1.0	15.0	0.0	3.0	0.0	-121.6	254.8	253.2	3.9
1.0	15.0	0.0	2.0	0.0	-104.8	221.1	219.6	2.0
1.0	15.0	2.0	0.0	0.0	-109.9	231.4	229.9	5.6
1.0	15.0	0.0	2.0	0.0	-159.4	330.3	328.8	7.7
1.0	15.0	0.0	1.0	0.0	-109.2	230.0	228.5	2.4
1.0	15.0	0.0	0.0	0.0	-68.7	139.4	139.4	1.1
0.7	15.0	1.0	0.0	0.0	-69.9	151.4	149.9	1.0
1.0	15.0	0.0	0.0	0.0	-126.7	255.4	255.3	4.7
1.0	15.0	0.0	3.0	0.0	-131.3	274.0	272.5	4.3
1.0	15.0	4.0	1.0	0.0	-178.8	377.5	373.5	28.5
1.0	15.0	4.0	1.0	0.0	-166.9	353.8	349.8	23.5
1.0	15.0	0.0	1.0	0.0	-166.3	344.2	342.7	9.8
1.0	15.0	0.0	2.0	0.0	-116.4	244.3	242.8	2.9
0.5	15.0	1.0	0.0	0.0	-106.1	223.7	222.2	2.8
1.0	15.0	1.0	0.0	0.0	-102.9	217.4	215.8	2.7
1.0	15.0	0.0	1.0	0.0	-151.0	313.6	312.0	7.0
1.0	15.0	0.0	3.0	0.0	-122.4	256.4	254.8	4.5
1.0	15.0	1.0	1.0	0.0	-118.5	248.5	247.0	4.9
1.0	15.0	1.0	0.0	0.0	-118.0	247.6	246.0	15.5
1.0	15.0	0.0	1.0	0.0	-169.9	351.3	349.8	9.8
1.0	15.0	0.0	3.0	0.0	-120.9	261.8	257.8	7.2
1.0	15.0	2.0	2.0	0.0	-156.9	333.8	329.8	14.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	2.0	0.0	-144.7	309.4	305.4	18.9
1.0	15.0	0.0	2.0	0.0	-158.4	328.3	326.8	9.9
1.0	15.0	0.0	3.0	0.0	-98.0	216.1	212.1	6.5
1.0	15.0	0.0	0.0	0.0	-67.9	137.9	137.8	1.3
1.0	15.0	3.0	0.0	0.0	-87.4	194.9	190.9	4.1
0.7	15.0	0.0	3.0	0.0	-146.2	312.5	308.5	12.2
1.0	15.0	0.0	1.0	0.0	-111.8	235.2	233.6	2.7
1.0	15.0	0.0	1.0	0.0	-132.2	275.8	274.3	4.8
1.0	15.0	1.0	0.0	0.0	-127.9	267.4	265.8	4.8
1.0	15.0	0.0	1.0	0.0	-141.0	293.6	292.0	6.5
1.0	15.0	0.0	2.0	0.0	-121.5	254.6	253.1	6.7
1.0	15.0	3.0	2.0	0.0	-182.7	385.4	381.4	28.9
1.0	15.0	0.0	1.0	0.0	-161.5	325.2	325.1	13.4
1.0	15.0	0.0	2.0	0.0	-141.6	294.7	293.1	10.6
1.0	15.0	1.0	1.0	0.0	-141.0	302.0	298.0	8.5
1.0	15.0	0.0	1.0	0.0	-120.3	242.8	242.7	5.8
1.0	15.0	1.0	1.0	0.0	-120.5	252.5	250.9	17.4
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.2	6.1
1.0	15.0	0.0	1.0	0.0	-116.6	244.8	243.2	4.5
1.0	15.0	0.0	0.0	0.0	-73.1	148.3	148.2	1.6
1.0	15.0	1.0	0.0	0.0	-83.5	178.5	177.0	8.6
1.0	15.0	0.0	1.0	0.0	-127.7	267.0	265.5	4.5
1.0	15.0	0.0	1.0	0.0	-129.2	269.9	268.4	4.8
1.0	15.0	0.0	0.0	0.0	-84.9	171.9	171.8	3.1
1.0	15.0	1.0	0.0	0.0	-108.1	227.8	226.2	5.3
1.0	15.0	0.0	2.0	0.0	-165.7	342.9	341.3	10.5
1.0	15.0	0.0	2.0	0.0	-142.8	297.2	295.7	7.0
1.0	15.0	0.0	1.0	0.0	-105.5	213.0	212.9	4.7
0.9	15.0	1.0	0.0	0.0	-118.1	247.7	246.2	14.2
1.0	15.0	0.0	1.0	0.0	-163.0	337.5	336.0	15.5
1.0	15.0	0.0	2.0	0.0	-123.9	259.4	257.9	6.3
1.0	15.0	0.0	1.0	0.0	-169.5	350.6	349.1	15.8
1.0	15.0	1.0	0.0	0.0	-132.0	284.0	280.0	4.7
1.0	15.0	0.0	2.0	0.0	-154.3	320.1	318.5	10.2
1.0	15.0	0.0	1.0	0.0	-123.4	258.3	256.8	3.6
1.0	15.0	3.0	0.0	0.0	-126.7	264.9	263.4	6.5
1.0	15.0	2.0	0.0	0.0	-117.4	246.3	244.8	6.1
1.0	15.0	0.0	1.0	0.0	-155.9	323.4	321.8	7.6
1.0	15.0	0.0	1.0	0.0	-107.6	226.7	225.1	2.3
1.0	15.0	0.0	1.0	0.0	-149.8	301.7	301.7	15.8
1.0	15.0	1.0	0.0	0.0	-117.0	245.5	243.9	8.7
1.0	15.0	0.0	0.0	0.0	-156.0	314.1	314.0	9.1
1.0	15.0	0.0	0.0	0.0	-133.8	269.7	269.6	6.5
1.0	15.0	2.0	0.0	0.0	-148.3	316.7	312.7	8.0
0.5	15.0	1.0	0.0	0.0	-122.8	265.6	261.6	5.5
1.0	15.0	0.0	0.0	0.0	-170.3	342.7	342.6	10.2



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-120.0	251.6	250.0	3.9
1.0	15.0	0.0	0.0	0.0	-56.7	115.6	115.5	0.6
0.5	15.0	1.0	0.0	0.0	-66.1	143.7	142.1	1.1
1.0	15.0	0.0	2.0	0.0	-160.4	332.3	330.8	9.1
1.0	15.0	0.0	3.0	0.0	-157.7	327.0	325.5	16.2
1.0	15.0	0.0	3.0	0.0	-160.0	331.5	330.0	15.6
0.9	15.0	3.0	0.0	0.0	-163.1	337.7	336.2	17.1
1.0	15.0	0.0	2.0	0.0	-156.2	324.0	322.4	21.7
1.0	15.0	0.0	6.0	0.0	-136.4	284.4	282.8	5.7
0.9	15.0	7.0	0.0	0.0	-157.5	326.6	325.1	9.2
1.0	15.0	7.0	0.0	0.0	-158.2	328.0	326.5	9.4
1.0	15.0	0.0	0.0	0.0	-130.4	262.9	262.8	4.1
0.8	15.0	0.0	5.0	0.0	-126.5	264.6	263.1	4.2
1.0	15.0	0.0	0.0	0.0	-191.7	385.5	385.5	17.5
0.9	15.0	5.0	0.0	0.0	-166.0	343.5	341.9	9.5
1.0	15.0	1.0	0.0	0.0	-166.7	335.5	335.4	9.5
0.7	15.0	2.0	1.0	0.0	-126.8	265.2	263.7	4.1
1.0	15.0	3.0	0.0	0.0	-119.5	259.0	255.0	4.3
1.0	15.0	3.0	0.0	0.0	-117.4	254.8	250.8	3.5
1.0	15.0	0.0	0.0	0.0	-170.7	343.5	343.4	9.6
1.0	15.0	0.0	0.0	0.0	-139.1	280.2	280.1	5.9
1.0	15.0	3.0	0.0	0.0	-167.1	354.2	350.2	9.3
1.0	15.0	2.0	0.0	0.0	-159.8	339.7	335.7	8.0
1.0	15.0	0.0	0.0	0.0	-146.5	295.1	295.0	6.1
1.0	15.0	0.0	3.0	0.0	-128.9	269.3	267.8	4.7
0.7	15.0	6.0	0.0	0.0	-160.7	341.4	337.4	9.9
1.0	15.0	4.0	0.0	0.0	-128.3	268.2	266.7	4.8
1.0	15.0	0.0	5.0	0.0	-152.8	317.0	315.5	7.1
1.0	15.0	0.0	2.0	0.0	-144.4	300.4	298.9	5.7
1.0	15.0	4.0	0.0	0.0	-131.3	282.5	278.5	14.2
1.0	15.0	4.0	0.0	0.0	-152.7	316.9	315.4	13.6
1.0	15.0	0.0	4.0	0.0	-128.6	268.8	267.3	4.9
1.0	15.0	0.0	4.0	0.0	-136.9	285.3	283.7	4.9
1.0	15.0	4.0	1.0	0.0	-148.7	317.3	313.3	9.1
1.0	15.0	4.0	0.0	0.0	-153.8	327.5	323.5	12.0
1.0	15.0	0.0	1.0	0.0	-143.0	297.6	296.0	6.8
1.0	15.0	1.0	5.0	0.0	-146.8	313.6	309.6	9.2
1.0	15.0	4.0	0.0	0.0	-149.8	319.5	315.5	11.3
1.0	15.0	3.0	0.0	0.0	-155.3	330.6	326.6	13.0
1.0	15.0	0.0	1.0	0.0	-171.6	354.7	353.2	11.2
1.0	15.0	0.0	3.0	0.0	-132.8	277.0	275.5	10.4
1.0	15.0	0.0	0.0	0.0	-87.5	177.1	177.1	2.5
1.0	15.0	2.0	0.0	0.0	-111.4	234.2	232.7	11.4
1.0	15.0	2.0	1.0	0.0	-161.2	342.4	338.4	27.5
1.0	15.0	0.0	6.0	0.0	-131.0	273.5	271.9	4.2
1.0	15.0	5.0	0.0	0.0	-151.4	322.9	318.9	14.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	9.0	0.0	0.0	-145.7	311.4	307.4	10.1
1.0	15.0	0.0	2.0	0.0	-183.2	377.9	376.4	13.9
1.0	15.0	0.0	2.0	0.0	-118.8	249.2	247.7	3.3
1.0	15.0	4.0	3.0	0.0	-123.4	266.7	262.7	3.7
1.0	15.0	1.0	0.0	0.0	-126.1	263.8	262.3	5.4
1.0	15.0	0.0	1.0	0.0	-158.1	327.7	326.1	8.1
1.0	15.0	0.0	2.0	0.0	-115.5	242.5	240.9	3.3
1.0	15.0	3.0	0.0	0.0	-152.5	316.6	315.0	9.6
1.0	15.0	3.0	0.0	0.0	-121.5	254.5	253.0	4.7
1.0	15.0	0.0	0.0	0.0	-149.3	300.7	300.7	6.5
1.0	15.0	0.0	2.0	0.0	-123.4	258.4	256.9	4.3
1.0	15.0	2.0	0.0	0.0	-126.6	264.8	263.3	4.6
1.0	15.0	2.0	0.0	0.0	-116.3	244.1	242.6	3.8
1.0	15.0	0.0	0.0	0.0	-131.8	265.6	265.6	5.1
1.0	15.0	0.0	4.0	0.0	-115.6	242.8	241.2	2.9
0.5	15.0	4.0	0.0	0.0	-127.8	275.6	271.6	7.1
0.9	15.0	4.0	0.0	0.0	-120.0	260.0	256.0	5.5
1.0	15.0	0.0	0.0	0.0	-150.3	302.6	302.5	6.4
1.0	15.0	0.0	2.0	0.0	-121.1	253.8	252.2	3.2
1.0	15.0	2.0	0.0	0.0	-115.6	242.8	241.3	4.5
1.0	15.0	2.0	0.0	0.0	-106.1	223.7	222.1	2.8
1.0	15.0	0.0	0.0	0.0	-144.7	291.5	291.4	5.8
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	6.7
1.0	15.0	2.0	0.0	0.0	-150.9	313.4	311.9	6.6
1.0	15.0	4.0	0.0	0.0	-140.6	292.7	291.1	5.2
1.0	15.0	0.0	0.0	0.0	-136.5	275.2	275.1	4.6
0.7	15.0	1.0	0.0	0.0	-130.6	281.3	277.3	5.2
1.0	15.0	2.0	0.0	0.0	-158.2	327.8	326.3	9.4
1.0	15.0	0.0	0.0	0.0	-137.1	276.2	276.1	7.8
1.0	15.0	0.0	0.0	0.0	-131.9	265.9	265.8	5.3
1.0	15.0	0.0	2.0	0.0	-114.7	241.0	239.5	3.0
1.0	15.0	4.0	0.0	0.0	-125.9	271.8	267.8	10.4
1.0	15.0	4.0	0.0	0.0	-119.3	258.7	254.7	7.5
1.0	15.0	0.0	0.0	0.0	-180.9	363.9	363.8	11.9
1.0	15.0	0.0	2.0	0.0	-113.1	237.6	236.1	2.9
1.0	15.0	2.0	1.0	0.0	-149.9	319.7	315.7	7.3
1.0	15.0	3.0	0.0	0.0	-138.8	289.2	287.6	6.2
1.0	15.0	0.0	2.0	0.0	-126.6	264.8	263.3	4.6
1.0	15.0	0.0	1.0	0.0	-134.5	280.6	279.0	4.7
1.0	15.0	2.0	1.0	0.0	-160.2	340.4	336.4	19.9
1.0	15.0	1.0	0.0	0.0	-132.8	285.6	281.6	7.3
1.0	15.0	0.0	2.0	0.0	-139.5	290.6	289.1	6.6
1.0	15.0	0.0	2.0	0.0	-157.8	327.1	325.5	8.7
1.0	15.0	0.0	0.0	0.0	-108.3	218.7	218.6	3.0
1.0	15.0	1.0	0.0	0.0	-128.8	269.2	267.7	5.9
1.0	15.0	0.0	1.0	0.0	-166.9	335.9	335.8	13.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-124.3	260.2	258.7	3.5
1.0	15.0	0.0	0.0	0.0	-70.4	142.8	142.7	1.1
1.0	15.0	1.0	0.0	0.0	-79.7	170.9	169.4	5.4
1.0	15.0	0.0	3.0	0.0	-148.9	309.4	307.8	7.7
1.0	15.0	0.0	1.0	0.0	-128.3	268.1	266.6	4.4
1.0	15.0	0.0	0.0	0.0	-65.4	132.9	132.8	0.9
1.0	15.0	1.0	0.0	0.0	-90.6	192.8	191.2	3.4
1.0	15.0	0.0	1.0	0.0	-164.1	339.7	338.2	10.6
1.0	15.0	0.0	1.0	0.0	-124.4	260.4	258.9	4.2
1.0	15.0	0.0	0.0	0.0	-62.9	127.8	127.7	0.8
0.6	15.0	1.0	0.0	0.0	-68.6	148.7	147.2	1.2
1.0	15.0	0.0	1.0	0.0	-167.2	346.0	344.4	15.5
1.0	15.0	0.0	2.0	0.0	-119.5	250.5	248.9	3.3
1.0	15.0	0.0	0.0	0.0	-114.6	231.3	231.2	2.9
1.0	15.0	1.0	0.0	0.0	-109.3	230.1	228.5	5.3
1.0	15.0	0.0	1.0	0.0	-165.0	341.6	340.1	8.6
1.0	15.0	0.0	1.0	0.0	-271.7	554.1	553.4	6.4
1.0	15.0	0.0	0.0	0.0	-203.1	408.3	408.2	3.0
1.0	15.0	1.0	0.0	0.0	-208.6	428.0	427.2	4.9
1.0	15.0	0.0	1.0	0.0	-301.8	614.3	613.6	9.4
1.0	15.0	0.0	3.0	0.0	-116.5	244.6	243.1	3.4
1.0	15.0	2.0	1.0	0.0	-128.9	277.9	273.9	5.2
1.0	15.0	3.0	0.0	0.0	-126.3	264.2	262.6	7.8
1.0	15.0	0.0	2.0	0.0	-131.8	275.2	273.7	4.4
1.0	15.0	0.0	2.0	0.0	-128.4	268.4	266.9	11.9
1.0	15.0	2.0	1.0	0.0	-168.7	357.4	353.4	21.0
1.0	15.0	2.0	0.0	0.0	-125.7	271.4	267.4	6.6
1.0	15.0	0.0	1.0	0.0	-162.1	335.7	334.1	18.8
1.0	15.0	0.0	2.0	0.0	-148.3	308.1	306.6	6.7
1.0	15.0	0.0	0.0	0.0	-116.4	234.9	234.8	5.4
1.0	15.0	1.0	0.0	0.0	-130.1	271.8	270.2	12.1
1.0	15.0	0.0	1.0	0.0	-160.0	331.5	329.9	8.5
1.0	15.0	0.0	1.0	0.0	-110.0	231.5	230.0	2.7
1.0	15.0	0.0	0.0	0.0	-65.5	133.2	133.1	1.0
1.0	15.0	1.0	0.0	0.0	-79.6	170.7	169.1	7.4
1.0	15.0	0.0	3.0	0.0	-145.0	301.6	300.1	5.9
1.0	15.0	0.0	1.0	0.0	-110.5	232.6	231.1	3.2
1.0	15.0	0.0	0.0	0.0	-57.7	117.5	117.4	0.7
0.8	15.0	1.0	0.0	0.0	-74.4	160.4	158.9	3.7
1.0	15.0	0.0	1.0	0.0	-133.1	277.7	276.1	6.3
1.0	15.0	0.0	2.0	0.0	-129.7	271.0	269.4	3.9
1.0	15.0	0.0	1.0	0.0	-119.9	241.9	241.8	6.1
1.0	15.0	1.0	0.0	0.0	-112.2	235.8	234.3	6.0
1.0	15.0	0.0	1.0	0.0	-156.9	325.4	323.8	7.9
1.0	15.0	0.0	2.0	0.0	-145.0	301.5	300.0	6.7
1.0	15.0	2.0	2.0	0.0	-151.6	323.1	319.1	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-150.1	311.7	310.2	9.7
1.0	15.0	0.0	2.0	0.0	-144.4	300.4	298.8	6.5
1.0	15.0	0.0	2.0	0.0	-144.3	300.1	298.5	6.4
1.0	15.0	4.0	1.0	0.0	-179.8	379.6	375.6	30.0
1.0	15.0	4.0	0.0	0.0	-155.4	330.9	326.9	13.5
1.0	15.0	0.0	1.0	0.0	-138.7	289.0	287.4	8.3
1.0	15.0	0.0	1.0	0.0	-144.5	300.6	299.0	5.8
1.0	15.0	0.0	0.0	0.0	-104.7	211.5	211.4	2.4
1.0	15.0	1.0	0.0	0.0	-133.4	278.3	276.7	20.5
1.0	15.0	0.0	1.0	0.0	-174.7	360.9	359.4	10.5
1.0	15.0	0.0	1.0	0.0	-130.7	272.9	271.4	5.1
1.0	15.0	0.0	0.0	0.0	-106.2	214.4	214.3	4.6
1.0	15.0	1.0	0.0	0.0	-117.9	247.4	245.9	14.5
1.0	15.0	0.0	2.0	0.0	-164.9	341.4	339.9	10.1
1.0	15.0	0.0	1.0	0.0	-149.0	309.6	308.1	6.1
1.0	15.0	0.0	0.0	0.0	-65.1	132.2	132.2	0.9
1.0	15.0	1.0	0.0	0.0	-65.3	142.1	140.5	0.7
1.0	15.0	0.0	1.0	0.0	-156.1	323.8	322.2	11.2
1.0	15.0	0.0	1.0	0.0	-133.2	277.9	276.4	4.8
1.0	15.0	0.0	0.0	0.0	-104.1	210.3	210.2	3.5
1.0	15.0	1.0	0.0	0.0	-103.7	218.9	217.4	20.4
1.0	15.0	0.0	2.0	0.0	-149.4	310.3	308.8	7.8
1.0	15.0	2.0	0.0	0.0	-130.3	272.1	270.6	11.0
1.0	15.0	1.0	2.0	0.0	-187.8	395.6	391.6	31.8
1.0	15.0	0.0	1.0	0.0	-152.6	316.8	315.3	14.3
1.0	15.0	0.0	3.0	0.0	-170.9	353.4	351.9	10.0
1.0	15.0	0.0	3.0	0.0	-119.7	250.9	249.4	3.6
1.0	15.0	0.0	0.0	0.0	-59.3	120.7	120.6	0.9
1.0	15.0	2.0	0.0	0.0	-70.6	152.8	151.3	0.9
1.0	15.0	0.0	2.0	0.0	-153.5	318.6	317.1	10.0
1.0	15.0	0.0	2.0	0.0	-126.7	265.0	263.4	4.4
0.7	15.0	4.0	0.0	0.0	-144.3	308.6	304.6	5.9
1.0	15.0	3.0	0.0	0.0	-133.3	278.2	276.7	6.4
1.0	15.0	0.0	1.0	0.0	-144.5	291.1	291.0	7.2
1.0	15.0	0.0	0.0	0.0	-114.9	231.9	231.8	3.5
0.5	15.0	3.0	0.0	0.0	-140.1	300.1	296.1	7.4
1.0	15.0	2.0	0.0	0.0	-132.5	276.5	274.9	7.7
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	6.7
1.0	15.0	0.0	0.0	0.0	-370.5	743.1	743.1	3.7
1.0	15.0	2.0	0.0	0.0	-526.8	1070.7	1069.6	12.9
1.0	15.0	2.0	0.0	0.0	-418.4	854.0	852.8	7.2
1.0	15.0	0.0	0.0	0.0	-445.1	892.2	892.2	7.3
1.0	15.0	0.0	0.0	0.0	-120.1	242.3	242.2	3.9
1.0	15.0	2.0	3.0	0.0	-145.2	310.4	306.4	7.0
1.0	15.0	2.0	3.0	0.0	-135.6	291.2	287.2	5.2
1.0	15.0	0.0	0.0	0.0	-128.4	258.9	258.8	4.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	1.0	2.0	0.0	-156.0	323.5	321.9	11.1
1.0	15.0	2.0	3.0	0.0	-176.4	372.8	368.8	17.4
1.0	15.0	2.0	3.0	0.0	-153.8	327.6	323.6	14.3
1.0	15.0	0.0	4.0	0.0	-156.3	324.1	322.5	9.9
1.0	15.0	0.0	3.0	0.0	-112.3	236.2	234.7	3.1
1.0	15.0	0.0	0.0	0.0	-115.1	232.4	232.3	3.7
1.0	15.0	5.0	0.0	0.0	-90.4	192.3	190.7	2.2
1.0	15.0	0.0	6.0	0.0	-139.5	290.4	288.9	5.2
1.0	15.0	0.0	8.0	0.0	-134.2	288.5	284.5	4.9
1.0	15.0	7.0	1.0	0.0	-188.5	397.0	393.0	34.9
1.0	15.0	7.0	0.0	0.0	-208.8	437.6	433.6	65.2
1.0	15.0	0.0	0.0	0.0	-170.9	343.9	343.8	10.1
1.0	15.0	0.0	1.0	0.0	-248.1	507.0	506.3	3.8
1.0	15.0	2.0	1.0	0.0	-287.3	592.4	590.6	6.1
1.0	15.0	2.0	0.0	0.0	-266.3	543.4	542.7	4.8
1.0	15.0	0.0	1.0	0.0	-303.0	616.7	616.0	10.6
1.0	15.0	0.0	0.0	0.0	-234.7	471.4	471.3	5.3
1.0	15.0	2.0	0.0	0.0	-331.7	674.1	673.4	17.4
1.0	15.0	0.0	0.0	0.0	-287.0	576.1	576.0	9.9
1.0	15.0	0.0	1.0	0.0	-308.0	618.1	618.1	10.5
1.0	15.0	0.0	1.0	0.0	-258.8	528.3	527.6	5.3
1.0	15.0	0.0	0.0	0.0	-174.8	351.6	351.5	2.1
1.0	15.0	1.0	0.0	0.0	-209.7	430.0	429.3	30.0
1.0	15.0	0.0	1.0	0.0	-338.7	688.1	687.4	10.2
1.0	15.0	0.0	2.0	0.0	-219.5	449.8	449.1	2.4
0.9	15.0	2.0	0.0	0.0	-217.1	452.0	450.2	3.3
1.0	15.0	2.0	0.0	0.0	-205.2	421.0	420.3	2.3
1.0	15.0	0.0	0.0	0.0	-338.5	679.0	679.0	9.4
1.0	15.0	0.0	0.0	0.0	-133.2	268.4	268.3	4.4
1.0	15.0	2.0	0.0	0.0	-135.6	282.6	281.1	4.7
1.0	15.0	3.0	0.0	0.0	-123.5	258.6	257.1	4.1
1.0	15.0	0.0	0.0	0.0	-131.3	264.7	264.7	4.7
1.0	15.0	0.0	0.0	0.0	-134.0	270.1	270.0	5.0
1.0	15.0	2.0	0.0	0.0	-173.8	359.1	357.6	11.3
1.0	15.0	1.0	0.0	0.0	-136.9	285.4	283.8	5.9
1.0	15.0	0.0	0.0	0.0	-147.0	296.2	296.1	6.4
1.0	15.0	0.0	3.0	0.0	-110.1	240.3	236.3	3.1
0.6	15.0	4.0	0.0	0.0	-122.8	265.6	261.6	6.7
0.6	15.0	4.0	0.0	0.0	-118.4	256.7	252.7	5.2
1.0	15.0	0.0	0.0	0.0	-155.7	313.5	313.4	7.3
1.0	15.0	1.0	2.0	0.0	-152.0	315.6	314.0	13.5
1.0	15.0	2.0	2.0	0.0	-169.3	358.6	354.6	30.3
1.0	15.0	2.0	2.0	0.0	-146.5	313.0	309.0	22.0
1.0	15.0	0.0	2.0	0.0	-150.7	313.0	311.4	11.8
1.0	15.0	0.0	1.0	0.0	-118.7	248.8	247.3	3.1
1.0	15.0	0.0	0.0	0.0	-66.4	135.0	134.9	1.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	1.0	0.0	0.0	-67.3	146.2	144.7	0.5
1.0	15.0	0.0	2.0	0.0	-143.8	299.1	297.6	5.9
1.0	15.0	0.0	2.0	0.0	-136.8	285.2	283.6	4.7
1.0	15.0	2.0	0.0	0.0	-128.8	277.6	273.6	6.5
1.0	15.0	3.0	0.0	0.0	-118.3	256.6	252.6	5.4
1.0	15.0	0.0	1.0	0.0	-179.1	360.3	360.2	13.6
1.0	15.0	0.0	2.0	0.0	-130.4	272.4	270.9	9.2
1.0	15.0	0.0	0.0	0.0	-129.2	260.4	260.3	5.9
0.9	15.0	2.0	0.0	0.0	-119.7	250.8	249.3	8.6
1.0	15.0	0.0	2.0	0.0	-161.9	335.3	333.8	15.5
1.0	15.0	0.0	4.0	0.0	-119.5	250.5	248.9	3.5
1.0	15.0	5.0	0.0	0.0	-138.4	296.7	292.7	5.1
1.0	15.0	6.0	0.0	0.0	-127.9	275.9	271.9	4.1
1.0	15.0	0.0	0.0	0.0	-132.5	267.0	266.9	5.6
1.0	15.0	0.0	3.0	0.0	-134.5	280.6	279.0	5.5
1.0	15.0	4.0	1.0	0.0	-180.4	380.7	376.7	40.7
1.0	15.0	4.0	0.0	0.0	-141.0	302.0	298.0	13.7
1.0	15.0	0.0	2.0	0.0	-149.9	311.4	309.8	11.1
1.0	15.0	1.0	1.0	0.0	-132.2	276.0	274.5	4.7
1.0	15.0	3.0	0.0	0.0	-76.7	165.0	163.5	0.8
1.0	15.0	1.0	0.0	0.0	-74.1	159.7	158.2	2.0
0.8	15.0	0.0	6.0	0.0	-157.0	334.0	330.0	8.9
1.0	15.0	0.0	1.0	0.0	-121.0	253.6	252.1	3.9
1.0	15.0	2.0	0.0	0.0	-111.7	235.0	233.5	3.9
1.0	15.0	2.0	0.0	0.0	-112.7	236.9	235.3	9.1
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	8.8
1.0	15.0	4.0	1.0	0.0	-115.6	251.3	247.3	5.4
1.0	15.0	2.0	0.0	0.0	-110.4	240.8	236.8	3.4
1.0	15.0	2.0	0.0	0.0	-106.5	224.5	222.9	4.7
1.0	15.0	0.0	1.0	0.0	-165.4	332.9	332.8	15.3
1.0	15.0	0.0	4.0	0.0	-278.2	567.1	566.4	5.2
1.0	15.0	5.0	0.0	0.0	-330.8	679.4	677.6	10.6
1.0	15.0	5.0	0.0	0.0	-337.1	692.0	690.2	11.5
1.0	15.0	0.0	0.0	0.0	-295.8	593.6	593.6	7.2
1.0	15.0	0.0	5.0	0.0	-282.7	583.2	581.5	7.0
1.0	15.0	6.0	0.0	0.0	-411.5	833.8	833.1	37.0
1.0	15.0	7.0	0.0	0.0	-348.2	707.0	706.3	12.9
1.0	15.0	0.0	1.0	0.0	-312.7	627.5	627.5	13.3
1.0	15.0	0.0	0.0	0.0	-272.0	546.0	545.9	6.4
1.0	15.0	3.0	0.0	0.0	-325.3	661.2	660.5	34.6
1.0	15.0	3.0	0.0	0.0	-306.2	623.1	622.4	18.3
1.0	15.0	0.0	0.0	0.0	-359.4	720.8	720.8	13.3
0.5	15.0	0.0	1.0	0.0	-217.1	444.9	444.1	4.2
1.0	15.0	1.0	0.0	0.0	-185.7	382.1	381.4	4.1
1.0	15.0	1.0	0.0	0.0	-171.8	354.3	353.6	4.5
1.0	15.0	0.0	0.0	0.0	-293.7	589.5	589.4	8.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-238.0	478.1	478.1	5.3
1.0	15.0	2.0	0.0	0.0	-266.9	544.5	543.8	27.1
1.0	15.0	2.0	0.0	0.0	-253.7	518.2	517.5	18.6
1.0	15.0	0.0	0.0	0.0	-300.8	603.7	603.7	9.1
1.0	15.0	0.0	0.0	0.0	-258.2	518.5	518.4	4.6
1.0	15.0	2.0	0.0	0.0	-210.6	431.9	431.2	6.9
1.0	15.0	2.0	0.0	0.0	-164.3	339.3	338.6	3.6
1.0	15.0	0.0	1.0	0.0	-359.5	721.1	721.1	15.0
1.0	15.0	0.0	0.0	0.0	-278.5	559.0	558.9	5.5
1.0	15.0	3.0	0.0	0.0	-267.2	545.0	544.3	9.7
1.0	15.0	3.0	0.0	0.0	-259.4	529.5	528.8	9.3
1.0	15.0	0.0	0.0	0.0	-332.9	667.8	667.7	10.3
1.0	15.0	0.0	2.0	0.0	-125.5	262.5	261.0	11.6
1.0	15.0	3.0	0.0	0.0	-170.1	360.2	356.2	62.7
1.0	15.0	4.0	0.0	0.0	-135.1	290.2	286.2	13.6
1.0	15.0	0.0	2.0	0.0	-137.7	287.0	285.5	7.4
1.0	15.0	0.0	1.0	0.0	-114.7	240.9	239.3	3.2
1.0	15.0	2.0	0.0	0.0	-164.8	341.2	339.7	10.1
1.0	15.0	2.0	0.0	0.0	-136.9	285.4	283.8	5.7
1.0	15.0	0.0	0.0	0.0	-119.0	240.2	240.1	4.9
1.0	15.0	0.0	0.0	0.0	-126.2	254.5	254.4	5.5
1.0	15.0	2.0	0.0	0.0	-142.8	297.1	295.5	6.0
1.0	15.0	1.0	0.0	0.0	-132.1	275.8	274.3	5.0
1.0	15.0	0.0	0.0	0.0	-163.0	328.1	328.1	9.4
1.0	15.0	0.0	2.0	0.0	-124.9	261.3	259.8	7.0
0.9	15.0	4.0	1.0	0.0	-177.8	375.5	371.5	29.0
1.0	15.0	4.0	0.0	0.0	-142.9	305.8	301.8	6.1
1.0	15.0	0.0	1.0	0.0	-148.2	307.9	306.3	7.1
1.0	15.0	0.0	0.0	0.0	-138.7	279.4	279.3	5.4
1.0	15.0	3.0	0.0	0.0	-184.8	381.1	379.6	16.8
1.0	15.0	4.0	0.0	0.0	-143.0	297.5	295.9	9.0
1.0	15.0	0.0	4.0	0.0	-154.2	320.0	318.4	10.1
1.0	15.0	0.0	2.0	0.0	-256.6	523.9	523.2	4.1
1.0	15.0	2.0	0.0	0.0	-277.7	566.1	565.3	5.7
1.0	15.0	1.0	0.0	0.0	-273.0	556.7	556.0	5.8
1.0	15.0	0.0	0.0	0.0	-307.7	617.4	617.4	7.5
1.0	15.0	0.0	0.0	0.0	-259.0	520.0	519.9	4.6
0.6	15.0	3.0	0.0	0.0	-356.4	730.6	728.8	15.7
0.6	15.0	2.0	0.0	0.0	-308.5	634.8	633.0	12.3
1.0	15.0	0.0	4.0	0.0	-350.6	711.8	711.1	14.3
1.0	15.0	0.0	0.0	0.0	-755.9	1513.9	1513.8	4.3
1.0	15.0	3.0	0.0	0.0	-1050.2	2110.6	2110.4	16.0
1.0	15.0	1.0	0.0	0.0	-828.1	1666.5	1666.2	6.8
1.0	15.0	0.0	0.0	0.0	-914.7	1831.4	1831.3	8.2
1.0	30.0	0.0	0.0	0.0	-679.0	1359.9	1359.9	6.4
1.0	30.0	4.0	0.0	0.0	-810.3	1631.0	1630.7	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	30.0	2.0	0.0	0.0	-593.0	1196.3	1196.0	3.7
1.0	30.0	0.0	0.0	0.0	-848.3	1698.7	1698.7	10.5
1.0	15.0	0.0	0.0	0.0	-705.7	1413.4	1413.4	3.9
1.0	15.0	2.0	0.0	0.0	-1011.9	2034.1	2033.9	11.1
1.0	15.0	1.0	0.0	0.0	-831.3	1672.8	1672.5	7.4
1.0	15.0	0.0	0.0	0.0	-904.3	1810.6	1810.5	7.2
1.0	15.0	0.0	0.0	0.0	-117.7	237.5	237.4	3.6
1.0	15.0	2.0	0.0	0.0	-160.9	333.2	331.7	9.7
1.0	15.0	2.0	0.0	0.0	-127.0	265.6	264.1	4.6
1.0	15.0	0.0	0.0	0.0	-157.2	316.4	316.3	7.7
1.0	15.0	0.0	2.0	0.0	-117.1	245.7	244.2	3.4
1.0	15.0	2.0	2.0	0.0	-128.1	276.2	272.2	4.8
1.0	15.0	3.0	0.0	0.0	-151.3	314.1	312.5	11.2
0.9	15.0	0.0	3.0	0.0	-125.3	262.2	260.7	4.4
1.0	15.0	0.0	2.0	0.0	-127.6	266.7	265.1	6.0
1.0	15.0	2.0	2.0	0.0	-190.7	401.4	397.3	40.0
1.0	15.0	2.0	1.0	0.0	-156.0	332.1	328.0	20.3
1.0	15.0	0.0	3.0	0.0	-161.8	335.2	333.5	17.0
1.0	15.0	0.0	1.0	0.0	-129.3	270.2	268.7	4.9
1.0	15.0	0.0	0.0	0.0	-116.4	234.8	234.7	3.7
0.6	15.0	1.0	0.0	0.0	-108.6	228.8	227.3	3.0
1.0	15.0	0.0	2.0	0.0	-161.8	335.2	333.6	7.8
1.0	15.0	0.0	2.0	0.0	-118.5	248.6	247.1	3.5
1.0	15.0	0.0	0.0	0.0	-69.6	141.4	141.3	1.4
1.0	15.0	2.0	0.0	0.0	-79.9	179.8	175.8	4.8
1.0	15.0	0.0	2.0	0.0	-139.1	289.8	288.2	6.0
1.0	15.0	0.0	1.0	0.0	-111.7	234.9	233.4	6.9
1.0	15.0	0.0	0.0	0.0	-67.0	136.1	136.0	1.3
1.0	15.0	1.0	0.0	0.0	-103.9	219.3	217.8	4.9
1.0	15.0	0.0	4.0	0.0	-152.5	316.6	315.1	6.9
1.0	15.0	0.0	1.0	0.0	-124.5	260.4	258.9	10.6
1.0	15.0	0.0	0.0	0.0	-67.6	137.3	137.2	1.7
1.0	15.0	1.0	0.0	0.0	-69.2	150.0	148.4	1.7
1.0	15.0	0.0	2.0	0.0	-190.8	393.1	391.5	19.2
1.0	15.0	0.0	2.0	0.0	-121.6	254.8	253.3	6.5
0.9	15.0	2.0	1.0	0.0	-117.5	255.1	251.1	6.0
1.0	15.0	2.0	0.0	0.0	-105.3	222.1	220.6	2.8
1.0	15.0	0.0	2.0	0.0	-143.4	298.4	296.9	10.0
1.0	15.0	0.0	1.0	0.0	-114.1	239.7	238.2	2.9
1.0	15.0	2.0	1.0	0.0	-128.1	276.2	272.2	4.4
1.0	15.0	2.0	0.0	0.0	-110.4	240.8	236.8	2.5
1.0	15.0	0.0	2.0	0.0	-145.2	302.0	300.4	7.8
1.0	15.0	0.0	2.0	0.0	-123.5	258.5	257.0	4.7
1.0	15.0	2.0	1.0	0.0	-170.6	361.2	357.2	16.0
1.0	15.0	2.0	1.0	0.0	-153.8	327.5	323.5	12.4
1.0	15.0	0.0	1.0	0.0	-156.8	325.0	323.5	8.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-129.4	270.4	268.9	4.4
1.0	15.0	1.0	0.0	0.0	-115.3	242.1	240.5	7.8
1.0	15.0	1.0	0.0	0.0	-110.7	232.9	231.4	9.2
1.0	15.0	0.0	1.0	0.0	-169.1	340.3	340.2	14.4
1.0	15.0	0.0	2.0	0.0	-118.9	249.3	247.7	3.9
1.0	15.0	1.0	0.0	0.0	-132.1	275.8	274.3	5.8
1.0	15.0	1.0	0.0	0.0	-121.7	255.0	253.5	3.6
1.0	15.0	0.0	0.0	0.0	-145.1	292.3	292.2	6.4
1.0	15.0	2.0	0.0	0.0	-167.8	347.2	345.7	13.4
1.0	15.0	2.0	0.0	0.0	-138.1	287.8	286.3	11.2
1.0	15.0	0.0	0.0	0.0	-136.2	274.4	274.3	5.4
1.0	15.0	0.0	0.0	0.0	-150.6	303.3	303.2	7.7
1.0	15.0	3.0	0.0	0.0	-168.0	347.5	346.0	30.5
1.0	15.0	4.0	0.0	0.0	-191.0	393.6	392.0	46.1
1.0	15.0	0.0	0.0	0.0	-136.7	275.5	275.4	5.4
1.0	15.0	0.0	0.0	0.0	-163.7	329.5	329.4	11.0
1.0	15.0	3.0	0.0	0.0	-158.9	329.4	327.9	17.0
1.0	15.0	4.0	0.0	0.0	-170.7	352.9	351.3	41.4
1.0	15.0	3.0	0.0	0.0	-123.7	258.9	257.4	4.0
1.0	15.0	0.0	0.0	0.0	-151.7	305.6	305.5	6.7
1.0	15.0	2.0	0.0	0.0	-130.7	272.9	271.4	7.9
1.0	15.0	3.0	0.0	0.0	-116.4	244.3	242.7	13.2
1.0	15.0	2.0	0.0	0.0	-88.6	188.8	187.2	3.5
1.0	15.0	0.0	2.0	0.0	-142.4	296.3	294.8	5.8
1.0	15.0	2.0	0.0	0.0	-157.6	326.7	325.2	15.4
1.0	15.0	4.0	0.0	0.0	-166.5	344.6	343.0	30.3
1.0	15.0	3.0	0.0	0.0	-123.2	257.9	256.4	5.3
1.0	15.0	0.0	5.0	0.0	-158.6	329.0	327.2	12.4
1.0	15.0	3.0	0.0	0.0	-167.2	346.0	344.4	11.2
1.0	15.0	2.0	0.0	0.0	-110.4	232.4	230.9	7.2
1.0	15.0	2.0	0.0	0.0	-72.6	156.8	155.3	1.2
1.0	15.0	0.0	0.0	0.0	-139.6	281.2	281.1	9.0
1.0	15.0	2.0	0.0	0.0	-130.3	272.1	270.6	6.4
1.0	15.0	2.0	0.0	0.0	-125.6	262.7	261.2	12.2
1.0	15.0	2.0	0.0	0.0	-112.7	237.0	235.4	4.7
1.0	15.0	0.0	0.0	0.0	-145.6	293.4	293.3	5.6
1.0	15.0	0.0	4.0	0.0	-116.5	244.5	242.9	3.3
1.0	15.0	6.0	0.0	0.0	-148.2	316.3	312.3	6.8
1.0	15.0	5.0	0.0	0.0	-142.7	305.5	301.5	7.6
1.0	15.0	0.0	0.0	0.0	-139.9	282.0	281.9	6.4
1.0	15.0	0.0	2.0	0.0	-113.3	238.1	236.5	2.7
1.0	15.0	3.0	0.0	0.0	-86.3	184.1	182.5	1.7
1.0	15.0	3.0	0.0	0.0	-67.6	146.8	145.3	0.8
1.0	15.0	0.0	0.0	0.0	-121.3	244.6	244.5	5.0
1.0	15.0	0.0	1.0	0.0	-119.7	250.9	249.4	6.2
1.0	15.0	5.0	1.0	0.0	-108.1	236.3	232.3	5.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-101.5	214.5	213.0	1.8
1.0	15.0	0.0	1.0	0.0	-190.9	393.4	391.8	17.6
1.0	15.0	0.0	5.0	0.0	-125.2	261.9	260.3	5.2
1.0	15.0	6.0	0.0	0.0	-165.9	351.8	347.8	11.0
0.9	15.0	6.0	0.0	0.0	-167.2	354.5	350.5	12.0
1.0	15.0	0.0	0.0	0.0	-142.2	286.5	286.4	5.7
1.0	15.0	3.0	1.0	0.0	-138.9	289.3	287.8	9.4
1.0	15.0	0.0	0.0	0.0	-120.4	242.8	242.7	3.3
0.9	15.0	1.0	0.0	0.0	-115.0	241.6	240.0	3.4
1.0	15.0	3.0	1.0	0.0	-169.2	358.3	354.3	12.8
1.0	15.0	0.0	0.0	0.0	-124.8	251.6	251.5	3.8
0.9	15.0	2.0	0.0	0.0	-152.4	316.3	314.7	7.8
0.7	15.0	3.0	0.0	0.0	-119.3	258.6	254.6	4.8
1.0	15.0	0.0	0.0	0.0	-150.5	303.2	303.1	7.4
1.0	15.0	0.0	0.0	0.0	-100.3	202.6	202.5	2.1
1.0	15.0	3.0	0.0	0.0	-113.1	237.6	236.1	3.7
1.0	15.0	2.0	0.0	0.0	-117.7	246.9	245.4	4.8
1.0	15.0	0.0	0.0	0.0	-146.4	295.0	294.9	5.8
1.0	15.0	0.0	2.0	0.0	-115.2	241.9	240.4	3.5
1.0	15.0	0.0	1.0	0.0	-132.9	277.3	275.8	5.4
1.0	15.0	2.0	0.0	0.0	-113.0	237.6	236.1	4.2
1.0	15.0	0.0	2.0	0.0	-127.8	267.1	265.5	6.5
1.0	15.0	0.0	0.0	0.0	-133.1	268.4	268.3	4.9
1.0	15.0	1.0	0.0	0.0	-158.1	327.8	326.2	8.1
1.0	15.0	1.0	0.0	0.0	-123.4	258.5	256.9	4.6
1.0	15.0	0.0	0.0	0.0	-163.1	328.4	328.3	9.0
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.8	4.8
1.0	15.0	0.0	1.0	0.0	-111.3	234.1	232.6	2.9
1.0	15.0	1.0	0.0	0.0	-114.7	240.9	239.3	6.4
1.0	15.0	0.0	1.0	0.0	-141.5	294.6	293.0	6.4
1.0	15.0	0.0	1.0	0.0	-109.0	229.5	227.9	2.7
1.0	15.0	0.0	0.0	0.0	-63.4	128.9	128.8	1.0
1.0	15.0	1.0	0.0	0.0	-89.2	190.0	188.4	12.4
1.0	15.0	0.0	2.0	0.0	-158.0	327.5	326.0	8.5
1.0	15.0	0.0	1.0	0.0	-118.9	249.3	247.8	3.9
1.0	15.0	0.0	0.0	0.0	-67.0	136.1	136.0	1.4
0.8	15.0	1.0	0.0	0.0	-68.3	148.2	146.6	1.4
1.0	15.0	0.0	1.0	0.0	-160.3	332.2	330.7	11.2
1.0	15.0	0.0	1.0	0.0	-136.5	284.5	282.9	5.6
1.0	15.0	1.0	0.0	0.0	-139.4	290.3	288.8	6.4
1.0	15.0	1.0	0.0	0.0	-133.1	277.8	276.3	5.5
1.0	15.0	0.0	0.0	0.0	-155.6	313.3	313.2	7.2
1.0	15.0	0.0	1.0	0.0	-745.5	1501.2	1500.9	5.3
1.0	15.0	2.0	0.0	0.0	-839.5	1689.2	1689.0	6.2
1.0	15.0	1.0	0.0	0.0	-784.3	1578.8	1578.6	5.7
1.0	15.0	0.0	1.0	0.0	-949.5	1901.0	1901.0	11.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-781.0	1564.0	1563.9	4.9
1.0	15.0	2.0	0.0	0.0	-1067.0	2144.1	2143.9	24.0
1.0	15.0	2.0	0.0	0.0	-853.9	1718.1	1717.8	11.6
1.0	15.0	0.0	1.0	0.0	-960.7	1923.4	1923.4	12.2
1.0	15.0	0.0	1.0	0.0	-768.2	1546.7	1546.4	4.9
1.0	15.0	0.0	0.0	0.0	-523.7	1049.5	1049.5	3.7
1.0	15.0	1.0	0.0	0.0	-585.7	1181.6	1181.4	5.3
1.0	15.0	0.0	1.0	0.0	-954.5	1919.3	1919.1	8.7
1.0	15.0	0.0	1.0	0.0	-573.4	1157.2	1156.8	6.9
1.0	15.0	2.0	0.0	0.0	-582.5	1175.3	1175.0	6.5
1.0	15.0	1.0	0.0	0.0	-569.3	1148.9	1148.5	6.0
1.0	15.0	0.0	1.0	0.0	-584.0	1170.0	1170.0	10.7
1.0	15.0	0.0	0.0	0.0	-520.6	1043.3	1043.3	4.4
1.0	15.0	2.0	0.0	0.0	-664.3	1338.9	1338.5	16.8
1.0	15.0	2.0	0.0	0.0	-517.5	1045.3	1045.0	9.0
1.0	15.0	0.0	1.0	0.0	-646.9	1295.8	1295.8	10.8
1.0	15.0	0.0	1.0	0.0	-812.1	1634.4	1634.1	8.7
1.0	15.0	2.0	0.0	0.0	-973.6	1957.5	1957.3	11.2
1.0	15.0	2.0	0.0	0.0	-929.6	1869.5	1869.2	9.7
1.0	15.0	0.0	1.0	0.0	-919.0	1840.1	1840.1	13.2
1.0	15.0	0.0	1.0	0.0	-811.9	1634.1	1633.9	7.4
1.0	15.0	0.0	0.0	0.0	-520.4	1042.7	1042.7	2.6
1.0	15.0	1.0	0.0	0.0	-604.5	1219.2	1218.9	7.3
1.0	15.0	0.0	1.0	0.0	-1058.1	2126.3	2126.1	13.7
1.0	15.0	0.0	1.0	0.0	-782.9	1576.0	1575.8	6.5
1.0	15.0	0.0	0.0	0.0	-694.0	1390.0	1390.0	3.7
1.0	15.0	1.0	0.0	0.0	-684.2	1378.7	1378.4	9.5
1.0	15.0	0.0	1.0	0.0	-994.8	1999.8	1999.6	9.8
1.0	15.0	0.0	2.0	0.0	-133.7	279.0	277.4	5.1
1.0	15.0	1.0	0.0	0.0	-144.0	299.6	298.1	8.7
1.0	15.0	2.0	0.0	0.0	-114.2	240.0	238.5	3.8
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	9.1
1.0	15.0	1.0	5.0	0.0	-130.3	280.5	276.5	4.5
1.0	15.0	6.0	1.0	0.0	-187.3	394.6	390.6	20.3
1.0	15.0	6.0	1.0	0.0	-167.9	355.8	351.8	17.2
1.0	15.0	0.0	1.0	0.0	-176.5	355.0	355.0	13.8
1.0	15.0	0.0	1.0	0.0	-131.7	274.9	273.4	4.7
1.0	15.0	0.0	0.0	0.0	-73.7	149.4	149.3	1.5
1.0	15.0	1.0	0.0	0.0	-70.1	151.8	150.2	0.9
1.0	15.0	0.0	2.0	0.0	-131.2	273.9	272.3	7.2
1.0	15.0	0.0	2.0	0.0	-135.2	282.0	280.5	5.0
1.0	15.0	3.0	0.0	0.0	-117.2	254.4	250.4	32.0
1.0	15.0	2.0	0.0	0.0	-109.2	238.4	234.4	19.5
1.0	15.0	0.0	2.0	0.0	-163.1	337.7	336.2	8.7
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.0
1.0	15.0	1.0	0.0	0.0	-125.6	262.7	261.2	14.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-123.6	258.8	257.2	9.7
1.0	15.0	0.0	0.0	0.0	-148.7	299.6	299.5	6.6
1.0	15.0	1.0	5.0	0.0	-158.0	336.1	332.1	12.4
1.0	15.0	6.0	3.0	0.0	-213.3	446.6	442.6	39.3
1.0	15.0	6.0	3.0	0.0	-186.6	393.2	389.2	24.9
1.0	15.0	0.0	3.0	0.0	-166.9	345.4	343.8	14.2
1.0	15.0	0.0	2.0	0.0	-131.0	273.5	272.0	7.2
0.5	15.0	2.0	0.0	0.0	-78.8	169.2	167.7	1.0
1.0	15.0	2.0	0.0	0.0	-87.3	186.2	184.6	4.2
1.0	15.0	0.0	1.0	0.0	-149.2	309.8	308.3	10.2
1.0	15.0	0.0	1.0	0.0	-119.6	250.6	249.1	3.7
1.0	15.0	1.0	0.0	0.0	-109.3	238.5	234.5	4.9
0.8	15.0	2.0	0.0	0.0	-117.6	255.2	251.2	6.6
1.0	15.0	0.0	1.0	0.0	-164.7	331.5	331.4	11.0
1.0	15.0	0.0	2.0	0.0	-141.5	294.6	293.1	5.8
1.0	15.0	2.0	0.0	0.0	-139.6	299.1	295.1	9.6
0.6	15.0	2.0	0.0	0.0	-123.1	266.2	262.2	8.4
1.0	15.0	1.0	1.0	0.0	-170.9	353.3	351.8	11.1
0.9	15.0	0.0	3.0	0.0	-122.7	256.8	255.3	4.3
1.0	15.0	2.0	0.0	0.0	-121.1	262.3	258.3	5.8
0.7	15.0	3.0	0.0	0.0	-130.0	279.9	275.9	7.3
1.0	15.0	0.0	3.0	0.0	-149.0	309.5	308.0	6.1
1.0	15.0	0.0	2.0	0.0	-153.2	318.0	316.5	6.7
1.0	15.0	1.0	0.0	0.0	-117.8	247.2	245.6	3.4
1.0	15.0	2.0	0.0	0.0	-118.0	247.5	246.0	5.3
1.0	15.0	0.0	0.0	0.0	-148.5	299.1	299.0	6.3
1.0	15.0	0.0	2.0	0.0	-125.2	261.9	260.4	5.1
1.0	15.0	0.0	0.0	0.0	-101.9	205.9	205.8	2.5
1.0	15.0	2.0	0.0	0.0	-108.8	229.1	227.6	2.4
1.0	15.0	0.0	0.0	0.0	-164.5	331.1	331.1	9.1
1.0	15.0	0.0	1.0	0.0	-121.4	254.4	252.8	4.3
1.0	15.0	0.0	0.0	0.0	-74.0	150.2	150.1	1.3
1.0	15.0	2.0	0.0	0.0	-67.9	147.3	145.8	0.6
1.0	15.0	0.0	0.0	0.0	-138.5	279.0	278.9	5.6
1.0	15.0	0.0	2.0	0.0	-120.2	252.0	250.5	3.9
0.6	15.0	2.0	0.0	0.0	-107.2	225.9	224.4	3.1
1.0	15.0	2.0	0.0	0.0	-104.7	220.9	219.4	4.8
1.0	15.0	0.0	0.0	0.0	-154.5	311.0	310.9	7.3
1.0	15.0	0.0	2.0	0.0	-114.2	239.9	238.4	3.2
1.0	15.0	3.0	0.0	0.0	-143.8	299.1	297.5	7.0
1.0	15.0	3.0	0.0	0.0	-130.9	273.4	271.9	5.8
1.0	15.0	0.0	0.0	0.0	-168.4	338.9	338.8	9.6
1.0	15.0	0.0	0.0	0.0	-113.2	228.4	228.3	3.9
1.0	15.0	1.0	0.0	0.0	-132.3	276.1	274.6	4.9
1.0	15.0	2.0	0.0	0.0	-119.3	250.2	248.7	4.0
1.0	15.0	0.0	0.0	0.0	-140.0	282.2	282.1	5.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-112.0	235.6	234.0	2.7
1.0	15.0	2.0	0.0	0.0	-119.5	250.5	249.0	3.6
1.0	15.0	2.0	0.0	0.0	-118.1	247.7	246.1	3.4
1.0	15.0	1.0	0.0	0.0	-151.4	304.9	304.8	8.8
0.9	15.0	0.0	6.0	0.0	-116.4	244.3	242.8	4.3
1.0	15.0	7.0	0.0	0.0	-183.0	377.6	376.1	32.5
1.0	15.0	6.0	0.0	0.0	-169.5	350.5	349.0	22.9
1.0	15.0	0.0	1.0	0.0	-166.0	334.1	334.0	11.0
1.0	15.0	0.0	1.0	0.0	-128.0	267.4	265.9	4.9
0.9	15.0	2.0	0.0	0.0	-111.5	243.0	239.0	5.6
0.8	15.0	3.0	0.0	0.0	-103.5	226.9	222.9	4.6
1.0	15.0	0.0	2.0	0.0	-140.0	291.5	289.9	5.9
1.0	15.0	0.0	3.0	0.0	-127.7	266.9	265.4	4.8
1.0	15.0	3.0	0.0	0.0	-177.1	374.2	370.1	14.6
1.0	15.0	4.0	0.0	0.0	-137.1	294.3	290.2	7.2
1.0	15.0	1.0	0.0	0.0	-162.0	326.1	326.0	10.1
1.0	15.0	0.0	1.0	0.0	-110.8	233.1	231.5	2.4
1.0	15.0	0.0	0.0	0.0	-89.8	181.6	181.5	2.0
0.8	15.0	1.0	0.0	0.0	-81.7	174.9	173.4	1.5
1.0	15.0	0.0	0.0	0.0	-153.3	308.7	308.6	6.5
1.0	15.0	0.0	3.0	0.0	-126.7	264.9	263.4	4.5
0.6	15.0	2.0	0.0	0.0	-171.4	354.4	352.8	11.3
1.0	15.0	3.0	0.0	0.0	-139.8	291.2	289.6	6.0
1.0	15.0	0.0	1.0	0.0	-151.8	305.6	305.5	10.6
1.0	15.0	0.0	1.0	0.0	-124.8	261.2	259.7	4.8
1.0	15.0	0.0	0.0	0.0	-69.9	141.9	141.8	1.0
0.5	15.0	1.0	0.0	0.0	-83.3	178.2	176.6	5.3
1.0	15.0	0.0	1.0	0.0	-156.5	324.6	323.0	13.5
1.0	15.0	0.0	0.0	0.0	-122.5	247.2	247.1	3.6
0.7	15.0	2.0	0.0	0.0	-114.2	248.3	244.3	3.2
1.0	15.0	2.0	0.0	0.0	-105.1	221.7	220.2	2.2
1.0	15.0	0.0	0.0	0.0	-138.1	278.3	278.2	6.7
1.0	15.0	0.0	0.0	0.0	-161.5	325.2	325.1	9.0
1.0	15.0	5.0	0.0	0.0	-177.3	366.2	364.7	13.6
1.0	15.0	4.0	0.0	0.0	-145.6	302.7	301.1	7.6
1.0	15.0	0.0	5.0	0.0	-175.3	362.1	360.5	11.2
1.0	15.0	0.0	0.0	0.0	-124.4	250.8	250.7	3.7
1.0	15.0	3.0	0.0	0.0	-162.2	336.0	334.4	10.7
1.0	15.0	3.0	0.0	0.0	-160.0	331.5	330.0	10.2
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	6.6
1.0	15.0	0.0	1.0	0.0	-125.8	263.2	261.7	5.7
1.0	15.0	2.0	0.0	0.0	-154.7	320.9	319.3	8.2
1.0	15.0	2.0	0.0	0.0	-137.9	287.3	285.8	5.9
1.0	15.0	0.0	0.0	0.0	-135.4	272.8	272.7	6.5
1.0	15.0	0.0	1.0	0.0	-116.1	243.7	242.2	3.0
1.0	15.0	2.0	0.0	0.0	-134.8	281.2	279.6	6.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-124.5	260.5	259.0	5.7
1.0	15.0	0.0	1.0	0.0	-154.9	312.0	311.9	8.2
0.5	15.0	0.0	2.0	0.0	-127.7	266.9	265.4	8.3
1.0	15.0	1.0	1.0	0.0	-161.4	342.8	338.8	9.4
1.0	15.0	1.0	1.0	0.0	-149.0	318.0	314.0	13.6
1.0	15.0	0.0	1.0	0.0	-169.9	341.9	341.8	12.0
1.0	15.0	0.0	1.0	0.0	-107.9	227.4	225.8	2.3
1.0	15.0	0.0	0.0	0.0	-105.7	213.5	213.4	4.2
0.7	15.0	1.0	0.0	0.0	-98.7	209.0	207.4	1.6
1.0	15.0	0.0	1.0	0.0	-167.3	346.2	344.6	8.9
1.0	15.0	0.0	1.0	0.0	-111.0	233.5	232.0	4.3
1.0	15.0	2.0	0.0	0.0	-143.0	297.6	296.0	6.4
1.0	15.0	1.0	0.0	0.0	-125.1	261.7	260.1	6.9
1.0	15.0	0.0	0.0	0.0	-143.6	289.4	289.3	5.9
0.8	15.0	0.0	2.0	0.0	-133.0	277.6	276.1	5.5
0.9	15.0	2.0	0.0	0.0	-118.8	249.2	247.7	3.5
1.0	15.0	3.0	0.0	0.0	-114.2	239.9	238.4	3.5
1.0	15.0	0.0	0.0	0.0	-162.9	327.9	327.8	8.7
1.0	15.0	0.0	0.0	0.0	-140.8	283.6	283.5	5.7
1.0	15.0	2.0	0.0	0.0	-127.6	266.7	265.1	6.2
1.0	15.0	2.0	0.0	0.0	-116.5	244.6	243.1	4.1
1.0	15.0	0.0	0.0	0.0	-138.0	278.2	278.1	7.3
1.0	15.0	0.0	0.0	0.0	-112.0	226.0	225.9	3.5
1.0	15.0	1.0	0.0	0.0	-141.8	295.1	293.6	5.9
1.0	15.0	1.0	0.0	0.0	-130.3	272.2	270.6	5.6
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	4.6
1.0	15.0	0.0	0.0	0.0	-130.4	263.0	262.9	4.3
0.9	15.0	12.0	0.0	0.0	-189.8	391.1	389.6	16.9
1.0	15.0	11.0	0.0	0.0	-175.5	362.5	360.9	11.3
1.0	15.0	0.0	13.0	0.0	-149.1	309.8	308.2	6.3
0.9	15.0	1.0	8.0	0.0	-132.7	276.9	275.4	4.5
1.0	15.0	7.0	0.0	0.0	-127.1	265.7	264.1	4.4
1.0	15.0	8.0	0.0	0.0	-111.9	235.4	233.8	3.2
1.0	15.0	0.0	9.0	0.0	-157.6	326.7	325.1	10.7
1.0	15.0	0.0	0.0	0.0	-144.6	291.4	291.3	6.2
0.6	15.0	9.0	0.0	0.0	-175.0	370.0	366.0	13.6
1.0	15.0	9.0	0.0	0.0	-173.0	357.6	356.0	11.6
1.0	15.0	0.0	9.0	0.0	-156.0	323.5	321.9	9.2
1.0	15.0	0.0	8.0	0.0	-149.0	309.6	308.0	6.7
1.0	15.0	7.0	0.0	0.0	-120.3	252.2	250.6	4.8
1.0	15.0	7.0	0.0	0.0	-119.8	251.2	249.6	3.1
1.0	15.0	0.0	8.0	0.0	-138.7	288.9	287.4	5.1
1.0	15.0	0.0	0.0	0.0	-126.1	254.3	254.2	4.4
1.0	15.0	2.0	0.0	0.0	-157.3	326.0	324.5	9.5
0.7	15.0	2.0	0.0	0.0	-131.9	275.2	273.7	5.7
1.0	15.0	0.0	0.0	0.0	-159.8	321.7	321.6	8.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-131.0	273.6	272.1	8.0
1.0	15.0	0.0	1.0	0.0	-140.9	283.9	283.8	6.3
1.0	15.0	1.0	0.0	0.0	-139.0	289.6	288.1	5.8
1.0	15.0	0.0	1.0	0.0	-137.4	286.4	284.9	7.4
1.0	15.0	0.0	1.0	0.0	-147.4	306.4	304.9	17.8
1.0	15.0	0.0	0.0	0.0	-84.8	171.7	171.6	1.5
0.6	15.0	1.0	0.0	0.0	-113.2	238.0	236.5	43.9
1.0	15.0	0.0	2.0	0.0	-169.2	350.0	348.4	17.7
1.0	15.0	0.0	0.0	0.0	-155.8	313.6	313.5	7.5
1.0	15.0	1.0	0.0	0.0	-157.7	327.0	325.4	8.4
1.0	15.0	1.0	0.0	0.0	-149.1	309.8	308.2	7.4
1.0	15.0	0.0	0.0	0.0	-141.6	285.3	285.2	5.9
1.0	15.0	0.0	0.0	0.0	-137.8	277.7	277.6	5.9
1.0	15.0	3.0	0.0	0.0	-166.3	344.2	342.7	11.4
1.0	15.0	2.0	0.0	0.0	-138.6	288.7	287.1	6.4
1.0	15.0	1.0	0.0	0.0	-170.2	342.5	342.4	10.7
1.0	15.0	0.0	2.0	0.0	-122.7	256.9	255.3	5.2
1.0	15.0	3.0	0.0	0.0	-153.1	326.2	322.2	7.4
0.7	15.0	4.0	0.0	0.0	-137.8	295.6	291.6	5.3
1.0	15.0	0.0	0.0	0.0	-151.3	304.8	304.7	8.4
1.0	15.0	0.0	2.0	0.0	-131.8	275.2	273.6	4.1
1.0	15.0	1.0	1.0	0.0	-125.6	262.7	261.1	8.6
1.0	15.0	2.0	0.0	0.0	-112.4	236.3	234.7	4.6
1.0	15.0	0.0	1.0	0.0	-167.4	346.4	344.8	10.6
1.0	15.0	0.0	4.0	0.0	-127.5	266.6	265.0	4.3
1.0	15.0	6.0	0.0	0.0	-147.7	306.9	305.4	6.7
1.0	15.0	6.0	0.0	0.0	-149.3	310.2	308.6	6.6
1.0	15.0	0.0	0.0	0.0	-136.0	274.1	274.0	5.7
0.9	15.0	0.0	7.0	0.0	-143.1	297.8	296.2	6.4
1.0	15.0	0.0	4.0	0.0	-143.2	298.0	296.5	6.7
1.0	15.0	2.0	0.0	0.0	-147.6	306.8	305.3	7.6
0.9	15.0	0.0	4.0	0.0	-156.9	325.3	323.8	14.7
1.0	15.0	0.0	3.0	0.0	-143.7	299.1	297.5	6.0
0.7	15.0	2.0	6.0	0.0	-198.7	417.6	413.5	30.8
0.9	15.0	3.0	0.0	0.0	-159.0	338.2	334.1	11.0
1.0	15.0	0.0	5.0	0.0	-163.2	338.0	336.4	10.9
1.0	15.0	3.0	1.0	0.0	-164.2	340.0	338.5	8.9
1.0	15.0	0.0	0.0	0.0	-125.0	252.1	252.0	4.0
1.0	15.0	1.0	0.0	0.0	-134.4	280.3	278.7	5.1
1.0	15.0	0.0	1.0	0.0	-164.0	339.5	338.0	9.4
0.9	15.0	0.0	5.0	0.0	-131.2	273.8	272.3	6.9
1.0	15.0	3.0	0.0	0.0	-96.7	213.4	209.4	3.7
1.0	15.0	4.0	0.0	0.0	-149.7	310.9	309.4	13.8
0.5	15.0	2.0	2.0	0.0	-159.3	338.6	334.6	10.2
1.0	15.0	0.0	6.0	0.0	-158.4	328.4	326.9	8.1
1.0	15.0	6.0	0.0	0.0	-147.9	315.8	311.8	9.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	7.0	0.0	0.0	-189.3	390.1	388.5	31.3
1.0	15.0	0.0	2.0	0.0	-171.2	353.9	352.4	12.2
1.0	15.0	0.0	2.0	0.0	-115.1	241.8	240.3	3.2
1.0	15.0	0.0	0.0	0.0	-61.5	125.2	125.1	0.7
1.0	15.0	1.0	0.0	0.0	-66.3	144.2	142.6	0.8
1.0	15.0	0.0	1.0	0.0	-168.1	347.8	346.3	9.9
0.9	15.0	0.0	3.0	0.0	-129.0	269.6	268.0	4.2
1.0	15.0	2.0	4.0	0.0	-104.9	229.8	225.8	2.1
1.0	15.0	3.0	0.0	0.0	-126.8	265.1	263.6	7.1
1.0	15.0	0.0	3.0	0.0	-154.6	320.8	319.2	6.8
1.0	15.0	0.0	1.0	0.0	-127.5	266.5	265.0	4.9
1.0	15.0	0.0	0.0	0.0	-109.8	221.6	221.5	3.5
1.0	15.0	1.0	0.0	0.0	-110.4	232.3	230.8	7.2
1.0	15.0	0.0	1.0	0.0	-152.4	316.4	314.9	8.6
1.0	15.0	0.0	2.0	0.0	-135.3	282.1	280.5	5.3
0.8	15.0	5.0	0.0	0.0	-166.1	343.8	342.2	14.6
1.0	15.0	3.0	0.0	0.0	-145.5	311.1	307.0	9.3
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.0	5.9
1.0	15.0	0.0	0.0	0.0	-116.2	234.5	234.4	3.8
1.0	15.0	3.0	0.0	0.0	-197.6	406.8	405.3	28.1
1.0	15.0	3.0	0.0	0.0	-171.0	353.6	352.1	15.6
1.0	15.0	0.0	0.0	0.0	-128.6	259.3	259.2	4.9
1.0	15.0	0.0	6.0	0.0	-133.4	278.3	276.8	5.4
1.0	15.0	4.0	1.0	0.0	-153.8	327.7	323.7	8.6
1.0	15.0	6.0	0.0	0.0	-164.6	349.2	345.2	12.5
1.0	15.0	0.0	1.0	0.0	-145.1	301.7	300.2	7.0
1.0	15.0	0.0	3.0	0.0	-116.5	244.5	242.9	3.5
1.0	15.0	2.0	1.0	0.0	-152.1	324.3	320.2	12.5
1.0	15.0	3.0	0.0	0.0	-135.5	291.0	286.9	6.9
1.0	15.0	0.0	1.0	0.0	-157.0	325.6	324.0	8.8
1.0	15.0	0.0	2.0	0.0	-115.3	242.1	240.5	7.9
1.0	15.0	0.0	0.0	0.0	-85.6	173.3	173.2	2.3
1.0	15.0	2.0	0.0	0.0	-97.8	207.1	205.6	9.5
1.0	15.0	0.0	1.0	0.0	-156.9	325.3	323.8	9.5
1.0	15.0	0.0	2.0	0.0	-115.5	242.6	241.1	6.8
1.0	15.0	3.0	0.0	0.0	-112.2	244.3	240.3	6.6
1.0	15.0	3.0	0.0	0.0	-115.7	251.3	247.3	11.0
1.0	15.0	0.0	1.0	0.0	-162.6	327.4	327.3	15.3
1.0	15.0	0.0	3.0	0.0	-146.2	303.9	302.4	9.6
1.0	15.0	2.0	3.0	0.0	-166.2	352.4	348.4	10.1
1.0	15.0	2.0	0.0	0.0	-157.0	334.1	330.1	9.6
1.0	15.0	1.0	0.0	0.0	-168.7	339.4	339.3	18.3
1.0	15.0	0.0	0.0	0.0	-149.8	301.6	301.5	6.5
0.8	15.0	5.0	0.0	0.0	-220.3	452.1	450.6	62.3
0.9	15.0	3.0	0.0	0.0	-192.1	404.2	400.2	25.8
1.0	15.0	0.0	7.0	0.0	-187.9	387.3	385.8	16.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	4.0	0.0	-150.3	320.6	316.6	11.0
1.0	15.0	0.0	0.0	0.0	-127.9	258.0	257.9	5.0
1.0	15.0	3.0	0.0	0.0	-153.5	327.0	323.0	9.3
1.0	15.0	0.0	2.0	0.0	-195.1	392.3	392.2	20.6
1.0	15.0	0.0	6.0	0.0	-136.2	284.0	282.5	5.4
1.0	15.0	2.0	0.0	0.0	-121.5	263.0	259.0	5.4
1.0	15.0	8.0	0.0	0.0	-129.5	270.6	269.0	7.4
1.0	15.0	1.0	6.0	0.0	-198.0	416.1	412.1	25.0
1.0	15.0	0.0	0.0	0.0	-153.4	308.8	308.7	9.1
1.0	15.0	4.0	0.0	0.0	-180.9	373.4	371.8	19.5
1.0	15.0	4.0	0.0	0.0	-138.2	288.0	286.4	6.8
1.0	15.0	0.0	0.0	0.0	-170.0	342.0	341.9	11.6
1.0	15.0	0.0	0.0	0.0	-157.5	317.1	317.0	8.9
1.0	15.0	4.0	0.0	0.0	-173.3	358.2	356.6	12.4
1.0	15.0	4.0	0.0	0.0	-140.7	292.9	291.4	10.5
1.0	15.0	0.0	0.0	0.0	-171.0	344.1	344.0	11.1
0.6	15.0	1.0	0.0	0.0	-118.2	256.3	252.3	3.9
1.0	15.0	2.0	0.0	0.0	-114.4	248.7	244.7	3.1
1.0	15.0	2.0	0.0	0.0	-102.3	224.6	220.6	1.7
1.0	15.0	0.0	0.0	0.0	-161.3	324.8	324.7	8.9
1.0	15.0	0.0	2.0	0.0	-963.6	1937.3	1937.1	6.2
1.0	15.0	4.0	1.0	0.0	-1369.7	2755.8	2755.3	25.5
1.0	15.0	4.0	0.0	0.0	-1102.7	2221.8	2221.3	9.9
1.0	15.0	0.0	1.0	0.0	-1097.8	2205.8	2205.6	9.9
1.0	23.0	0.0	3.0	0.0	-669.9	1350.0	1349.7	5.8
1.0	23.0	5.0	1.0	0.0	-890.8	1798.2	1797.5	19.5
1.0	23.0	5.0	0.0	0.0	-733.8	1484.2	1483.6	9.3
1.0	23.0	0.0	1.0	0.0	-783.4	1577.1	1576.8	10.6
1.0	15.0	0.0	4.0	0.0	-1000.9	2012.0	2011.8	7.0
1.0	15.0	3.0	1.0	0.0	-1299.1	2614.6	2614.1	25.1
1.0	15.0	3.0	0.0	0.0	-1110.5	2237.5	2237.1	14.0
1.0	15.0	0.0	1.0	0.0	-1138.6	2287.5	2287.3	11.6
1.0	15.0	0.0	0.0	0.0	-140.1	282.4	282.3	6.5
1.0	15.0	2.0	0.0	0.0	-152.1	315.8	314.3	14.1
1.0	15.0	1.0	0.0	0.0	-129.6	270.7	269.1	7.8
1.0	15.0	0.0	0.0	0.0	-150.8	303.6	303.5	6.5
1.0	15.0	1.0	0.0	0.0	-164.4	340.4	338.8	16.4
0.9	15.0	2.0	5.0	0.0	-178.3	376.6	372.6	20.4
1.0	15.0	3.0	1.0	0.0	-152.7	325.3	321.3	15.3
1.0	15.0	0.0	1.0	0.0	-169.5	350.4	348.9	10.5
1.0	15.0	0.0	1.0	0.0	-123.5	258.5	257.0	4.2
1.0	15.0	0.0	0.0	0.0	-75.8	153.7	153.6	1.9
0.7	15.0	1.0	0.0	0.0	-88.9	189.3	187.8	8.5
1.0	15.0	0.0	3.0	0.0	-138.1	287.7	286.2	7.2
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	4.5
1.0	15.0	4.0	0.0	0.0	-123.1	266.2	262.2	6.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-130.7	281.5	277.5	6.0
1.0	15.0	0.0	0.0	0.0	-153.8	309.7	309.6	6.8
1.0	15.0	0.0	0.0	0.0	-92.6	187.2	187.1	2.2
1.0	15.0	1.0	0.0	0.0	-152.9	317.3	315.8	7.5
1.0	15.0	2.0	0.0	0.0	-121.6	254.7	253.1	3.8
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	8.4
1.0	15.0	0.0	0.0	0.0	-131.2	264.5	264.4	4.4
1.0	15.0	3.0	0.0	0.0	-166.5	344.5	343.0	11.0
1.0	15.0	2.0	0.0	0.0	-120.0	251.6	250.1	4.7
1.0	15.0	0.0	0.0	0.0	-162.8	327.8	327.7	9.3
1.0	15.0	0.0	0.0	0.0	-142.0	286.0	285.9	5.9
0.6	15.0	1.0	0.0	0.0	-139.3	298.7	294.7	6.9
0.7	15.0	2.0	0.0	0.0	-122.9	265.8	261.8	5.1
1.0	15.0	0.0	0.0	0.0	-153.2	308.4	308.3	7.4
1.0	15.0	0.0	2.0	0.0	-116.7	244.9	243.3	3.7
1.0	15.0	1.0	1.0	0.0	-137.2	286.0	284.5	6.5
1.0	15.0	2.0	0.0	0.0	-118.7	249.0	247.4	3.6
1.0	15.0	0.0	1.0	0.0	-112.2	235.9	234.3	2.8
1.0	15.0	0.0	2.0	0.0	-117.7	247.0	245.5	3.4
0.9	15.0	3.0	0.0	0.0	-153.1	317.8	316.3	7.2
1.0	15.0	2.0	0.0	0.0	-123.4	258.3	256.8	5.1
1.0	15.0	0.0	1.0	0.0	-160.5	323.1	323.0	11.8
1.0	15.0	0.0	1.0	0.0	-118.2	248.0	246.5	3.4
1.0	15.0	0.0	0.0	0.0	-65.5	133.1	133.0	1.5
1.0	15.0	1.0	0.0	0.0	-80.7	172.9	171.4	5.5
1.0	15.0	0.0	1.0	0.0	-121.8	255.1	253.6	5.6
1.0	15.0	0.0	1.0	0.0	-124.3	260.2	258.6	4.0
1.0	15.0	0.0	0.0	0.0	-69.9	141.8	141.7	1.3
1.0	15.0	1.0	0.0	0.0	-65.2	141.9	140.3	0.8
1.0	15.0	0.0	1.0	0.0	-147.5	306.7	305.1	10.5
1.0	15.0	0.0	2.0	0.0	-108.6	228.7	227.1	2.7
0.9	15.0	0.0	1.0	0.0	-127.7	266.9	265.3	4.7
1.0	15.0	1.0	0.0	0.0	-120.0	251.5	250.0	5.2
1.0	15.0	0.0	1.0	0.0	-139.8	291.1	289.6	7.1
1.0	15.0	1.0	1.0	0.0	-149.6	310.7	309.2	6.7
0.8	15.0	2.0	0.0	0.0	-184.5	389.1	385.1	24.9
1.0	15.0	2.0	0.0	0.0	-161.5	334.6	333.0	13.8
1.0	15.0	0.0	1.0	0.0	-179.0	369.6	368.1	12.5
1.0	15.0	0.0	1.0	0.0	-130.1	271.7	270.2	4.7
1.0	15.0	0.0	0.0	0.0	-68.8	139.8	139.7	1.1
0.6	15.0	1.0	0.0	0.0	-68.5	148.5	147.0	1.3
1.0	15.0	0.0	1.0	0.0	-164.6	340.6	339.1	11.2
1.0	15.0	0.0	1.0	0.0	-131.2	273.9	272.4	4.3
1.0	15.0	0.0	0.0	0.0	-104.4	210.8	210.7	2.6
1.0	15.0	1.0	0.0	0.0	-102.3	216.1	214.6	1.7
1.0	15.0	0.0	0.0	0.0	-171.4	344.9	344.8	12.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-128.3	258.7	258.6	4.6
0.8	15.0	1.0	0.0	0.0	-172.3	356.2	354.7	12.3
1.0	15.0	0.0	0.0	0.0	-152.0	306.0	305.9	7.2
1.0	15.0	0.0	0.0	0.0	-131.5	265.1	265.0	5.2
1.0	15.0	0.0	0.0	0.0	-122.0	246.1	246.0	4.2
1.0	15.0	2.0	0.0	0.0	-165.0	341.6	340.1	11.8
1.0	15.0	2.0	0.0	0.0	-134.7	281.0	279.4	5.3
1.0	15.0	0.0	0.0	0.0	-130.6	263.3	263.2	4.4
1.0	15.0	0.0	4.0	0.0	-747.9	1506.0	1505.8	4.0
1.0	15.0	5.0	0.0	0.0	-1021.9	2060.3	2059.8	11.4
0.9	15.0	4.0	0.0	0.0	-831.1	1672.4	1672.1	5.8
1.0	15.0	0.0	0.0	0.0	-885.4	1772.8	1772.8	6.7
1.0	15.0	0.0	2.0	0.0	-558.4	1127.2	1126.8	6.1
1.0	15.0	4.0	0.0	0.0	-734.9	1486.6	1485.8	17.9
1.0	15.0	4.0	0.0	0.0	-614.3	1238.9	1238.5	14.1
1.0	15.0	0.0	0.0	0.0	-666.7	1335.4	1335.4	10.1
1.0	15.0	0.0	2.0	0.0	-795.3	1600.9	1600.7	5.3
1.0	15.0	4.0	0.0	0.0	-1048.5	2113.5	2113.0	13.0
1.0	15.0	5.0	0.0	0.0	-885.4	1780.9	1780.7	10.2
1.0	15.0	0.0	0.0	0.0	-899.8	1801.5	1801.5	6.8
1.0	15.0	0.0	3.0	0.0	-116.4	244.3	242.8	3.0
1.0	15.0	5.0	0.0	0.0	-154.4	320.2	318.7	9.9
1.0	15.0	3.0	0.0	0.0	-126.1	263.8	262.3	5.0
1.0	15.0	0.0	0.0	0.0	-140.9	283.9	283.8	5.2
1.0	15.0	0.0	0.0	0.0	-144.7	291.6	291.5	6.0
1.0	15.0	4.0	0.0	0.0	-168.4	348.2	346.7	9.9
0.9	15.0	2.0	0.0	0.0	-138.9	289.4	287.9	6.4
1.0	15.0	0.0	0.0	0.0	-145.7	293.4	293.3	6.2
1.0	15.0	0.0	0.0	0.0	-118.7	239.5	239.4	3.4
0.9	15.0	1.0	0.0	0.0	-170.8	353.2	351.7	18.5
0.8	15.0	1.0	0.0	0.0	-134.0	279.6	278.1	7.7
1.0	15.0	0.0	0.0	0.0	-149.5	301.2	301.1	6.4
0.8	15.0	0.0	4.0	0.0	-882.2	1774.6	1774.4	3.9
1.0	15.0	5.0	0.0	0.0	-1230.3	2470.8	2470.7	13.7
1.0	15.0	5.0	0.0	0.0	-978.0	1966.2	1966.0	5.6
1.0	15.0	0.0	0.0	0.0	-1089.6	2181.2	2181.1	8.1
0.9	15.0	0.0	2.0	0.0	-519.6	1049.5	1049.1	4.4
1.0	15.0	5.0	0.0	0.0	-673.8	1358.0	1357.7	12.8
1.0	15.0	5.0	0.0	0.0	-596.6	1203.6	1203.3	8.1
1.0	15.0	0.0	0.0	0.0	-609.1	1220.3	1220.2	7.6
0.9	15.0	0.0	4.0	0.0	-851.5	1713.2	1712.9	6.2
1.0	15.0	5.0	0.0	0.0	-1064.6	2139.3	2139.1	13.3
1.0	15.0	5.0	0.0	0.0	-965.3	1940.7	1940.5	11.4
1.0	15.0	0.0	0.0	0.0	-956.8	1915.6	1915.6	9.1
1.0	15.0	0.0	0.0	0.0	-122.5	247.1	247.1	3.8
1.0	15.0	2.0	0.0	0.0	-161.5	334.6	333.0	11.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-122.5	247.2	247.1	5.2
1.0	15.0	0.0	0.0	0.0	-127.0	256.1	256.0	4.2
1.0	15.0	0.0	0.0	0.0	-130.5	263.1	263.0	4.7
0.9	15.0	2.0	0.0	0.0	-150.3	312.2	310.6	7.6
1.0	15.0	1.0	0.0	0.0	-126.6	264.7	263.2	4.7
1.0	15.0	0.0	0.0	0.0	-128.3	258.7	258.6	4.1
1.0	15.0	0.0	4.0	0.0	-122.6	256.7	255.1	3.9
1.0	15.0	4.0	0.0	0.0	-183.2	377.9	376.4	15.9
1.0	15.0	5.0	0.0	0.0	-136.6	284.8	283.3	7.5
1.0	15.0	0.0	0.0	0.0	-139.4	280.8	280.8	5.0
1.0	15.0	0.0	0.0	0.0	-772.2	1546.3	1546.3	5.5
1.0	15.0	3.0	0.0	0.0	-1070.6	2151.5	2151.3	18.7
1.0	15.0	2.0	0.0	0.0	-860.2	1730.6	1730.4	9.3
1.0	15.0	0.0	0.0	0.0	-945.6	1893.2	1893.2	10.0
1.0	15.0	0.0	0.0	0.0	-512.6	1027.1	1027.1	4.9
1.0	15.0	2.0	0.0	0.0	-672.1	1354.5	1354.1	12.8
1.0	15.0	2.0	0.0	0.0	-555.9	1122.1	1121.8	7.1
1.0	15.0	0.0	0.0	0.0	-615.3	1232.7	1232.6	7.0
1.0	15.0	0.0	0.0	0.0	-782.5	1567.1	1567.0	4.7
1.0	15.0	3.0	0.0	0.0	-1036.1	2082.4	2082.2	15.4
1.0	15.0	2.0	0.0	0.0	-862.0	1734.3	1734.1	8.6
1.0	15.0	0.0	0.0	0.0	-983.1	1968.1	1968.1	9.2
1.0	15.0	0.0	0.0	0.0	-123.6	249.2	249.1	3.7
1.0	15.0	1.0	0.0	0.0	-145.9	303.3	301.8	9.6
1.0	15.0	2.0	0.0	0.0	-117.0	245.6	244.0	6.2
1.0	15.0	0.0	0.0	0.0	-163.0	328.0	327.9	9.0
1.0	15.0	0.0	0.0	0.0	-125.1	252.2	252.1	3.9
1.0	15.0	3.0	0.0	0.0	-163.9	339.4	337.8	15.0
1.0	15.0	2.0	0.0	0.0	-127.2	266.1	264.5	6.6
1.0	15.0	0.0	0.0	0.0	-148.2	298.5	298.4	7.4
1.0	15.0	0.0	0.0	0.0	-132.6	267.3	267.2	4.5
1.0	15.0	1.0	0.0	0.0	-150.1	311.7	310.1	7.2
1.0	15.0	1.0	0.0	0.0	-116.6	244.7	243.1	3.4
1.0	15.0	0.0	0.0	0.0	-136.2	274.5	274.4	7.8
0.6	15.0	0.0	1.0	0.0	-160.3	332.1	330.6	8.6
0.9	15.0	2.0	0.0	0.0	-110.8	241.6	237.6	9.6
1.0	15.0	2.0	0.0	0.0	-104.8	221.2	219.6	3.6
1.0	15.0	0.0	1.0	0.0	-161.9	325.9	325.8	9.6
1.0	15.0	0.0	2.0	0.0	-121.4	254.3	252.8	3.6
1.0	15.0	0.0	0.0	0.0	-90.9	183.8	183.7	4.4
1.0	15.0	1.0	0.0	0.0	-101.8	215.2	213.7	2.5
1.0	15.0	0.0	1.0	0.0	-160.7	332.9	331.4	9.0
1.0	15.0	0.0	1.0	0.0	-133.3	278.1	276.5	5.8
0.8	15.0	1.0	1.0	0.0	-148.4	316.8	312.8	6.6
1.0	15.0	2.0	0.0	0.0	-131.5	274.6	273.0	5.0
1.0	15.0	0.0	1.0	0.0	-134.8	281.0	279.5	8.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-134.5	271.1	271.0	4.6
1.0	15.0	5.0	0.0	0.0	-131.9	283.8	279.8	8.8
1.0	15.0	5.0	0.0	0.0	-121.4	262.9	258.9	5.7
1.0	15.0	0.0	0.0	0.0	-172.9	348.0	347.9	11.2
1.0	15.0	0.0	1.0	0.0	-112.8	237.1	235.6	3.8
1.0	15.0	3.0	0.0	0.0	-153.5	318.6	317.0	8.6
1.0	15.0	1.0	0.0	0.0	-148.0	307.5	306.0	9.6
1.0	15.0	0.0	1.0	0.0	-167.1	336.2	336.1	10.9
0.9	15.0	0.0	5.0	0.0	-129.6	279.1	275.1	4.1
1.0	15.0	6.0	0.0	0.0	-127.7	275.4	271.4	4.2
1.0	15.0	5.0	0.0	0.0	-140.1	300.3	296.3	6.2
1.0	15.0	0.0	6.0	0.0	-139.4	290.3	288.8	6.3
0.9	15.0	4.0	2.0	0.0	-140.2	291.9	290.3	5.0
1.0	15.0	6.0	0.0	0.0	-133.8	279.2	277.6	6.3
1.0	15.0	2.0	0.0	0.0	-121.0	253.6	252.1	4.1
1.0	15.0	0.0	3.0	0.0	-161.4	334.4	332.8	7.7
1.0	15.0	0.0	5.0	0.0	-139.5	299.1	295.1	6.4
1.0	15.0	5.0	0.0	0.0	-146.5	313.1	309.1	11.0
1.0	15.0	4.0	0.0	0.0	-151.7	323.4	319.4	11.0
1.0	15.0	0.0	7.0	0.0	-160.0	331.5	329.9	9.8
1.0	15.0	0.0	0.0	0.0	-142.1	286.4	286.3	7.0
1.0	15.0	1.0	0.0	0.0	-175.6	362.7	361.2	11.4
1.0	15.0	1.0	0.0	0.0	-118.4	248.4	246.9	4.3
1.0	15.0	0.0	0.0	0.0	-159.1	320.3	320.2	8.4
1.0	15.0	0.0	2.0	0.0	-119.1	249.8	248.2	3.1
0.8	15.0	7.0	0.0	0.0	-141.8	303.6	299.6	6.4
1.0	15.0	7.0	0.0	0.0	-133.9	279.3	277.8	5.7
1.0	15.0	0.0	5.0	0.0	-160.4	332.3	330.8	8.0
1.0	15.0	0.0	5.0	0.0	-127.2	265.9	264.3	5.0
1.0	15.0	0.0	4.0	0.0	-147.0	305.6	304.1	24.9
1.0	15.0	2.0	1.0	0.0	-156.9	333.8	329.8	15.0
1.0	15.0	0.0	2.0	0.0	-140.0	291.5	290.0	6.5
1.0	15.0	0.0	2.0	0.0	-169.7	350.9	349.3	12.5
0.9	15.0	2.0	3.0	0.0	-213.4	447.0	442.9	45.6
1.0	15.0	2.0	2.0	0.0	-176.5	373.1	369.0	26.5
1.0	15.0	0.0	4.0	0.0	-170.9	353.2	351.7	15.6
1.0	15.0	2.0	2.0	0.0	-160.1	331.6	330.1	9.4
1.0	15.0	2.0	3.0	0.0	-109.2	238.4	234.4	2.6
1.0	15.0	1.0	0.0	0.0	-123.4	258.4	256.9	3.9
1.0	15.0	0.0	4.0	0.0	-167.5	346.5	345.0	9.3
1.0	15.0	0.0	4.0	0.0	-133.0	277.5	276.0	6.8
0.9	15.0	0.0	3.0	0.0	-76.7	165.0	163.4	0.9
0.9	15.0	3.0	0.0	0.0	-109.1	229.7	228.1	9.3
0.9	15.0	0.0	5.0	0.0	-162.7	336.8	335.3	14.9
1.0	15.0	0.0	4.0	0.0	-138.6	288.8	287.3	7.4
1.0	15.0	0.0	0.0	0.0	-110.3	222.8	222.7	4.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-135.3	282.2	280.7	11.5
1.0	15.0	0.0	5.0	0.0	-162.6	336.7	335.2	11.9
1.0	15.0	0.0	5.0	0.0	-148.9	309.4	307.9	9.2
1.0	15.0	1.0	4.0	0.0	-104.2	228.4	224.4	2.0
1.0	15.0	2.0	0.0	0.0	-129.0	269.6	268.1	7.5
1.0	15.0	0.0	5.0	0.0	-158.6	328.6	327.1	8.3
1.0	15.0	0.0	2.0	0.0	-111.0	233.6	232.0	2.8
1.0	15.0	3.0	0.0	0.0	-133.4	278.4	276.9	4.5
1.0	15.0	3.0	0.0	0.0	-131.9	275.4	273.9	6.2
1.0	15.0	0.0	2.0	0.0	-127.9	267.3	265.8	4.2
0.8	15.0	0.0	4.0	0.0	-123.6	258.7	257.1	3.9
0.9	15.0	8.0	0.0	0.0	-181.2	373.9	372.3	14.1
0.9	15.0	8.0	0.0	0.0	-132.8	285.7	281.6	6.8
1.0	15.0	0.0	1.0	0.0	-157.6	317.2	317.1	11.4
1.0	15.0	0.0	1.0	0.0	-125.2	261.8	260.3	3.5
1.0	15.0	3.0	0.0	0.0	-169.9	351.2	349.7	13.8
1.0	15.0	3.0	0.0	0.0	-135.6	282.7	281.2	6.6
1.0	15.0	0.0	0.0	0.0	-145.8	293.8	293.7	6.3
1.0	15.0	0.0	0.0	0.0	-109.6	221.2	221.1	4.6
1.0	15.0	2.0	0.0	0.0	-159.9	331.4	329.9	11.9
1.0	15.0	1.0	0.0	0.0	-150.0	311.4	309.9	12.6
1.0	15.0	0.0	0.0	0.0	-124.8	251.6	251.6	5.5
1.0	15.0	0.0	0.0	0.0	-145.0	292.2	292.1	6.6
1.0	15.0	3.0	0.0	0.0	-176.1	363.8	362.2	18.5
1.0	15.0	3.0	0.0	0.0	-127.9	267.3	265.8	4.4
1.0	15.0	0.0	0.0	0.0	-171.0	344.0	343.9	10.6
1.0	15.0	0.0	4.0	0.0	-124.6	260.8	259.3	4.2
1.0	15.0	5.0	0.0	0.0	-157.6	326.8	325.3	10.5
1.0	15.0	5.0	0.0	0.0	-145.5	302.5	301.0	7.2
1.0	15.0	0.0	0.0	0.0	-143.3	288.8	288.7	5.5
1.0	15.0	0.0	2.0	0.0	-912.1	1834.5	1834.3	5.3
1.0	15.0	2.0	0.0	0.0	-997.6	2011.7	2011.3	6.4
1.0	15.0	3.0	0.0	0.0	-964.6	1939.4	1939.2	5.9
1.0	15.0	0.0	1.0	0.0	-982.2	1974.5	1974.3	6.3
1.0	15.0	0.0	0.0	0.0	-954.0	1909.9	1909.9	5.6
1.0	15.0	3.0	0.0	0.0	-1205.3	2420.7	2420.5	13.4
1.0	15.0	2.0	0.0	0.0	-963.8	1937.7	1937.5	6.8
1.0	15.0	0.0	1.0	0.0	-1134.0	2270.0	2270.0	11.0
1.0	15.0	0.0	2.0	0.0	-580.0	1170.3	1169.9	6.4
1.0	15.0	3.0	0.0	0.0	-647.4	1311.7	1310.9	9.4
1.0	15.0	3.0	0.0	0.0	-615.5	1241.3	1241.0	8.2
1.0	15.0	0.0	1.0	0.0	-602.4	1215.1	1214.8	7.0
1.0	15.0	0.0	0.0	0.0	-533.8	1069.5	1069.5	5.9
1.0	15.0	3.0	0.0	0.0	-677.5	1365.4	1365.0	12.9
1.0	15.0	1.0	0.0	0.0	-565.0	1140.3	1140.0	8.0
1.0	15.0	0.0	1.0	0.0	-723.0	1447.9	1447.9	14.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-806.2	1622.7	1622.5	5.8
1.0	15.0	3.0	0.0	0.0	-930.0	1876.6	1876.1	8.5
1.0	15.0	3.0	0.0	0.0	-886.6	1783.4	1783.2	7.0
1.0	15.0	0.0	1.0	0.0	-878.4	1767.0	1766.8	6.2
1.0	15.0	0.0	0.0	0.0	-836.0	1674.0	1674.0	6.4
1.0	15.0	2.0	0.0	0.0	-998.8	2007.9	2007.6	15.2
1.0	15.0	3.0	0.0	0.0	-842.8	1695.8	1695.6	8.7
1.0	15.0	0.0	1.0	0.0	-942.1	1886.2	1886.2	13.3
1.0	15.0	0.0	2.0	0.0	-152.1	315.7	314.1	8.1
0.6	15.0	1.0	2.0	0.0	-150.5	312.5	311.0	13.0
0.5	15.0	2.0	0.0	0.0	-133.3	286.6	282.6	8.1
1.0	15.0	0.0	1.0	0.0	-141.3	294.2	292.7	6.3
1.0	15.0	0.0	3.0	0.0	-142.5	296.6	295.0	6.5
1.0	15.0	4.0	2.0	0.0	-185.0	390.0	386.0	22.0
1.0	15.0	4.0	1.0	0.0	-162.6	345.3	341.3	16.8
1.0	15.0	0.0	3.0	0.0	-137.7	286.9	285.3	5.5
1.0	15.0	0.0	2.0	0.0	-116.4	244.4	242.8	3.6
1.0	15.0	0.0	0.0	0.0	-81.4	164.9	164.8	1.9
1.0	15.0	1.0	0.0	0.0	-81.5	174.5	173.0	5.5
1.0	15.0	0.0	1.0	0.0	-174.5	360.6	359.1	11.4
1.0	15.0	0.0	1.0	0.0	-122.2	256.0	254.4	3.5
1.0	15.0	0.0	0.0	0.0	-91.2	184.4	184.3	2.3
1.0	15.0	1.0	0.0	0.0	-85.1	181.8	180.3	1.6
1.0	15.0	0.0	2.0	0.0	-165.5	342.6	341.1	9.4
1.0	15.0	0.0	2.0	0.0	-129.6	270.8	269.3	4.3
0.9	15.0	2.0	0.0	0.0	-91.3	194.1	192.6	4.2
1.0	15.0	1.0	0.0	0.0	-71.7	154.9	153.3	2.2
1.0	15.0	0.0	1.0	0.0	-158.2	327.9	326.4	9.4
1.0	15.0	0.0	2.0	0.0	-121.2	254.0	252.5	3.8
1.0	15.0	0.0	0.0	0.0	-105.3	212.7	212.6	3.8
1.0	15.0	1.0	0.0	0.0	-122.1	255.7	254.2	6.1
1.0	15.0	0.0	1.0	0.0	-162.3	326.8	326.7	12.6
1.0	15.0	0.0	3.0	0.0	-122.0	255.5	253.9	3.7
1.0	15.0	0.0	0.0	0.0	-154.7	311.5	311.4	12.6
1.0	15.0	2.0	0.0	0.0	-140.5	292.5	290.9	7.9
1.0	15.0	0.0	0.0	0.0	-149.8	301.6	301.6	8.3
1.0	15.0	0.0	2.0	0.0	-122.8	257.1	255.5	4.8
1.0	15.0	0.0	1.0	0.0	-167.1	345.7	344.2	19.9
0.9	15.0	1.0	1.0	0.0	-139.2	298.4	294.4	7.8
1.0	15.0	0.0	1.0	0.0	-158.6	328.7	327.2	9.8
1.0	15.0	0.0	2.0	0.0	-135.8	283.2	281.7	4.6
1.0	15.0	0.0	0.0	0.0	-109.2	220.6	220.5	3.1
1.0	15.0	2.0	0.0	0.0	-104.7	220.9	219.4	1.9
1.0	15.0	0.0	1.0	0.0	-162.8	327.7	327.7	14.3
1.0	15.0	0.0	2.0	0.0	-121.7	255.0	253.4	3.8
1.0	15.0	0.0	0.0	0.0	-71.4	144.8	144.7	1.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-82.0	175.5	174.0	6.5
1.0	15.0	0.0	1.0	0.0	-154.0	310.2	310.1	8.9
1.0	15.0	0.0	2.0	0.0	-122.0	255.5	254.0	4.0
0.9	15.0	2.0	0.0	0.0	-117.6	246.7	245.2	4.7
1.0	15.0	2.0	0.0	0.0	-114.9	241.4	239.9	4.6
1.0	15.0	0.0	1.0	0.0	-160.9	333.4	331.8	8.8
1.0	15.0	0.0	2.0	0.0	-134.6	280.7	279.2	4.6
1.0	15.0	0.0	0.0	0.0	-62.7	127.4	127.3	1.1
1.0	15.0	1.0	0.0	0.0	-66.4	144.3	142.8	0.8
1.0	15.0	0.0	0.0	0.0	-156.5	315.1	315.0	9.3
1.0	15.0	0.0	1.0	0.0	-115.5	242.5	241.0	3.0
1.0	15.0	0.0	0.0	0.0	-92.9	187.8	187.7	2.1
1.0	15.0	1.0	0.0	0.0	-92.5	196.5	195.0	3.3
1.0	15.0	0.0	0.0	0.0	-160.7	323.5	323.4	9.6
0.9	15.0	0.0	5.0	0.0	-838.4	1687.0	1686.8	5.8
0.6	15.0	7.0	0.0	0.0	-1125.1	2266.7	2266.2	20.8
1.0	15.0	7.0	0.0	0.0	-949.4	1909.1	1908.8	10.4
1.0	15.0	0.0	0.0	0.0	-1035.9	2073.9	2073.9	12.2
1.0	15.0	0.0	4.0	0.0	-542.4	1095.1	1094.8	5.8
0.8	15.0	6.0	0.0	0.0	-737.4	1491.7	1490.9	20.5
1.0	15.0	6.0	0.0	0.0	-653.0	1316.3	1315.9	17.7
1.0	15.0	0.0	0.0	0.0	-694.2	1390.3	1390.3	11.0
0.9	15.0	0.0	6.0	0.0	-788.4	1587.0	1586.8	4.6
0.9	15.0	7.0	0.0	0.0	-1087.5	2185.2	2184.9	16.1
1.0	15.0	7.0	0.0	0.0	-904.7	1819.6	1819.4	10.9
1.0	15.0	0.0	0.0	0.0	-996.6	1995.1	1995.1	9.1
1.0	15.0	0.0	0.0	0.0	-131.0	264.2	264.1	4.5
1.0	15.0	1.0	0.0	0.0	-155.9	323.3	321.8	8.9
1.0	15.0	2.0	0.0	0.0	-126.2	263.9	262.4	4.0
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	6.8
1.0	15.0	0.0	0.0	0.0	-126.1	254.2	254.1	4.1
0.5	15.0	2.0	0.0	0.0	-149.9	319.9	315.9	7.3
1.0	15.0	3.0	0.0	0.0	-128.8	269.2	267.6	6.0
1.0	15.0	0.0	0.0	0.0	-147.0	296.0	295.9	6.2
1.0	15.0	0.0	0.0	0.0	-114.4	230.9	230.8	3.3
0.5	15.0	2.0	0.0	0.0	-164.7	341.0	339.3	12.6
0.8	15.0	3.0	0.0	0.0	-157.1	325.8	324.2	8.6
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	6.5
1.0	15.0	0.0	6.0	0.0	-142.8	297.1	295.6	5.6
1.0	15.0	8.0	0.0	0.0	-183.9	379.4	377.9	15.4
1.0	15.0	7.0	0.0	0.0	-154.1	319.6	318.1	9.4
1.0	15.0	0.0	0.0	0.0	-173.6	349.3	349.2	13.5
1.0	15.0	0.0	0.0	0.0	-147.5	297.1	297.0	6.7
1.0	15.0	8.0	0.0	0.0	-205.9	431.8	427.8	27.1
1.0	15.0	8.0	0.0	0.0	-195.2	410.4	406.4	22.0
1.0	15.0	0.0	0.0	0.0	-164.9	331.9	331.8	11.7



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-150.7	303.5	303.4	6.0
1.0	15.0	3.0	0.0	0.0	-170.2	352.0	350.5	18.2
1.0	15.0	2.0	0.0	0.0	-149.9	311.3	309.7	10.5
1.0	15.0	0.0	1.0	0.0	-157.4	316.8	316.7	8.9
1.0	15.0	0.0	1.0	0.0	-128.4	268.3	266.8	4.7
1.0	15.0	0.0	0.0	0.0	-123.3	248.7	248.6	3.7
1.0	15.0	1.0	0.0	0.0	-106.8	225.2	223.7	2.9
1.0	15.0	0.0	0.0	0.0	-163.5	329.2	329.1	8.6
0.9	15.0	4.0	0.0	0.0	-164.9	341.4	339.9	9.7
1.0	15.0	1.0	4.0	0.0	-200.5	421.0	417.0	26.7
1.0	15.0	1.0	4.0	0.0	-167.7	355.4	351.4	13.9
1.0	15.0	0.0	5.0	0.0	-169.6	350.8	349.3	11.2
1.0	15.0	0.0	2.0	0.0	-122.7	256.9	255.3	3.9
1.0	15.0	0.0	0.0	0.0	-72.3	146.7	146.6	1.1
1.0	15.0	1.0	0.0	0.0	-75.8	163.2	161.6	1.6
1.0	15.0	0.0	3.0	0.0	-160.2	332.0	330.5	10.0
1.0	15.0	0.0	3.0	0.0	-128.1	267.8	266.2	4.5
1.0	15.0	0.0	0.0	0.0	-104.4	210.8	210.7	3.4
0.9	15.0	3.0	0.0	0.0	-97.2	214.3	210.3	1.6
1.0	15.0	0.0	0.0	0.0	-170.8	343.7	343.6	10.3
1.0	15.0	0.0	5.0	0.0	-123.6	258.7	257.1	3.6
1.0	15.0	0.0	2.0	0.0	-109.7	231.0	229.5	2.3
1.0	15.0	4.0	0.0	0.0	-113.4	238.3	236.7	2.8
1.0	15.0	0.0	1.0	0.0	-165.3	342.1	340.6	8.8
1.0	15.0	0.0	1.0	0.0	-112.2	235.9	234.4	3.2
0.6	15.0	1.0	0.0	0.0	-149.9	311.4	309.9	6.4
1.0	15.0	1.0	0.0	0.0	-142.9	297.3	295.7	6.4
1.0	15.0	0.0	1.0	0.0	-165.2	332.5	332.4	9.5
1.0	15.0	0.0	4.0	0.0	-110.7	233.0	231.4	2.8
1.0	15.0	6.0	0.0	0.0	-144.6	309.1	305.1	6.2
0.8	15.0	6.0	0.0	0.0	-144.8	309.6	305.6	8.7
1.0	15.0	0.0	0.0	0.0	-131.9	265.8	265.7	5.4
1.0	15.0	0.0	0.0	0.0	-122.2	246.6	246.5	3.7
1.0	15.0	2.0	0.0	0.0	-89.7	191.0	189.5	2.2
1.0	15.0	2.0	0.0	0.0	-71.6	154.8	153.3	1.1
1.0	15.0	0.0	0.0	0.0	-142.4	286.9	286.8	8.1
1.0	15.0	2.0	0.0	0.0	-142.9	297.4	295.9	13.7
1.0	15.0	1.0	0.0	0.0	-118.9	249.3	247.8	6.0
1.0	15.0	0.0	0.0	0.0	-111.3	224.7	224.6	5.7
1.0	15.0	0.0	0.0	0.0	-182.9	367.9	367.8	19.2
1.0	15.0	0.0	2.0	0.0	-131.0	273.6	272.1	4.5
1.0	15.0	2.0	0.0	0.0	-121.8	263.6	259.6	3.7
1.0	15.0	3.0	0.0	0.0	-122.8	265.6	261.6	4.3
1.0	15.0	0.0	0.0	0.0	-142.7	287.4	287.3	5.3
1.0	15.0	0.0	0.0	0.0	-148.4	298.9	298.8	7.5
0.8	15.0	3.0	0.0	0.0	-183.4	378.3	376.8	19.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-127.4	274.8	270.8	9.6
1.0	15.0	0.0	0.0	0.0	-162.7	327.6	327.5	9.5
1.0	15.0	0.0	2.0	0.0	-114.6	240.7	239.2	3.0
1.0	15.0	2.0	0.0	0.0	-143.0	306.0	302.0	5.9
1.0	15.0	3.0	0.0	0.0	-138.0	295.9	291.9	5.7
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	6.3
1.0	15.0	0.0	0.0	0.0	-129.0	260.1	260.0	5.0
1.0	15.0	2.0	0.0	0.0	-156.5	324.6	323.1	18.7
1.0	15.0	2.0	0.0	0.0	-130.0	271.5	270.0	7.6
1.0	15.0	0.0	0.0	0.0	-141.1	284.4	284.3	7.1
1.0	15.0	0.0	0.0	0.0	-129.4	260.8	260.7	5.5
1.0	15.0	3.0	0.0	0.0	-177.0	374.0	370.0	19.7
0.8	15.0	1.0	0.0	0.0	-133.4	286.9	282.9	10.3
1.0	15.0	0.0	2.0	0.0	-143.7	298.9	297.3	5.6
1.0	15.0	0.0	2.0	0.0	-128.8	269.2	267.7	4.3
1.0	15.0	0.0	0.0	0.0	-120.3	242.7	242.6	3.5
1.0	15.0	3.0	0.0	0.0	-100.4	212.3	210.7	1.5
1.0	15.0	0.0	1.0	0.0	-184.4	370.9	370.8	14.0
1.0	15.0	0.0	3.0	0.0	-116.8	245.2	243.6	3.5
1.0	15.0	3.0	0.0	0.0	-172.9	357.4	355.8	12.5
1.0	15.0	3.0	0.0	0.0	-126.7	264.8	263.3	4.2
1.0	15.0	0.0	0.0	0.0	-137.7	277.4	277.3	5.2
1.0	15.0	0.0	0.0	0.0	-131.1	264.4	264.3	6.0
0.5	15.0	3.0	0.0	0.0	-147.6	315.2	311.2	11.6
1.0	15.0	3.0	0.0	0.0	-131.7	283.3	279.3	12.9
1.0	15.0	0.0	0.0	0.0	-151.8	305.8	305.7	7.2
1.0	15.0	0.0	2.0	0.0	-121.6	254.6	253.1	4.1
1.0	15.0	0.0	0.0	0.0	-61.2	124.6	124.5	0.8
0.9	15.0	2.0	0.0	0.0	-72.3	156.1	154.6	1.3
1.0	15.0	1.0	4.0	0.0	-156.1	323.8	322.3	11.0
1.0	15.0	0.0	2.0	0.0	-120.1	251.7	250.2	3.3
0.9	15.0	4.0	0.0	0.0	-161.1	333.7	332.1	9.6
1.0	15.0	3.0	0.0	0.0	-129.8	271.1	269.6	6.3
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	6.9
0.9	15.0	0.0	3.0	0.0	-133.0	277.6	276.0	5.1
1.0	15.0	4.0	1.0	0.0	-191.2	394.0	392.5	38.8
0.7	15.0	5.0	0.0	0.0	-158.7	337.3	333.3	13.5
1.0	15.0	0.0	1.0	0.0	-171.5	345.0	344.9	18.2
1.0	15.0	0.0	2.0	0.0	-153.4	318.4	316.8	12.6
1.0	15.0	0.0	1.0	0.0	-152.1	306.4	306.3	11.0
0.5	15.0	1.0	0.0	0.0	-140.7	293.0	291.4	10.8
1.0	15.0	0.0	1.0	0.0	-149.1	309.7	308.2	17.4
1.0	15.0	0.0	5.0	0.0	-132.7	285.3	281.3	4.8
1.0	15.0	6.0	0.0	0.0	-165.3	350.7	346.7	9.7
1.0	15.0	6.0	0.0	0.0	-137.3	294.5	290.5	5.1
1.0	15.0	0.0	0.0	0.0	-166.1	334.4	334.3	9.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-109.2	230.0	228.4	4.7
0.8	15.0	2.0	0.0	0.0	-162.4	336.3	334.8	14.1
1.0	15.0	2.0	0.0	0.0	-128.1	267.7	266.1	8.6
1.0	15.0	0.0	0.0	0.0	-162.1	326.3	326.2	11.6
1.0	15.0	0.0	1.0	0.0	-138.5	288.5	287.0	6.4
1.0	15.0	0.0	0.0	0.0	-101.6	205.2	205.2	2.3
1.0	15.0	1.0	0.0	0.0	-99.5	210.6	209.1	5.3
1.0	15.0	0.0	0.0	0.0	-163.0	328.0	327.9	11.1
1.0	15.0	0.0	3.0	0.0	-134.1	279.8	278.3	4.8
1.0	15.0	3.0	0.0	0.0	-173.5	358.5	357.0	11.6
1.0	15.0	3.0	0.0	0.0	-167.3	346.2	344.7	9.6
1.0	15.0	0.0	0.0	0.0	-152.6	307.2	307.1	6.9
1.0	15.0	0.0	0.0	0.0	-142.8	287.6	287.5	5.9
1.0	15.0	1.0	0.0	0.0	-178.5	368.5	367.0	13.2
1.0	15.0	1.0	0.0	0.0	-133.8	279.2	277.6	7.9
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	7.0
1.0	15.0	0.0	0.0	0.0	-137.9	278.0	277.9	5.0
1.0	15.0	1.0	0.0	0.0	-114.5	240.4	238.9	2.8
0.9	15.0	1.0	0.0	0.0	-110.1	231.7	230.2	2.7
1.0	15.0	0.0	0.0	0.0	-170.7	343.5	343.4	10.0
1.0	15.0	0.0	0.0	0.0	-152.0	306.1	306.0	7.2
1.0	15.0	3.0	1.0	0.0	-156.0	323.6	322.1	8.9
1.0	15.0	2.0	0.0	0.0	-118.0	247.5	246.0	4.3
1.0	15.0	0.0	0.0	0.0	-168.6	339.3	339.2	11.1
1.0	15.0	0.0	0.0	0.0	-138.4	278.8	278.7	5.2
0.9	15.0	7.0	0.0	0.0	-186.8	385.1	383.5	18.8
1.0	15.0	5.0	0.0	0.0	-154.9	321.3	319.7	9.6
1.0	15.0	0.0	4.0	0.0	-161.7	335.0	333.4	8.8
1.0	15.0	0.0	4.0	0.0	-134.7	280.9	279.3	4.8
0.6	15.0	4.0	0.0	0.0	-137.8	295.6	291.6	6.7
1.0	15.0	4.0	0.0	0.0	-130.3	272.1	270.6	6.7
1.0	15.0	0.0	6.0	0.0	-157.7	327.0	325.5	7.9
1.0	15.0	0.0	1.0	0.0	-127.6	266.8	265.2	4.3
1.0	15.0	0.0	0.0	0.0	-166.8	335.7	335.6	36.4
1.0	15.0	1.0	0.0	0.0	-121.4	254.3	252.8	15.2
1.0	15.0	0.0	0.0	0.0	-157.8	317.7	317.6	8.5
1.0	15.0	0.0	1.0	0.0	-133.3	278.1	276.6	6.2
1.0	15.0	2.0	0.0	0.0	-86.6	184.7	183.2	2.7
1.0	15.0	1.0	0.0	0.0	-105.2	221.9	220.4	4.3
1.0	15.0	0.0	1.0	0.0	-188.0	378.1	378.0	18.8
1.0	15.0	0.0	1.0	0.0	-140.1	291.7	290.2	6.2
0.9	15.0	2.0	0.0	0.0	-143.1	306.2	302.2	7.2
1.0	15.0	2.0	0.0	0.0	-120.7	252.9	251.4	3.5
1.0	15.0	0.0	1.0	0.0	-127.8	267.2	265.6	5.1
1.0	15.0	0.0	0.0	0.0	-125.2	252.5	252.4	4.8
1.0	15.0	1.0	0.0	0.0	-126.3	264.1	262.6	5.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-120.5	252.5	251.0	5.1
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	6.1
1.0	15.0	8.0	2.0	0.0	-144.1	308.3	304.3	7.2
1.0	15.0	12.0	0.0	0.0	-175.1	370.1	366.1	20.5
1.0	15.0	12.0	0.0	0.0	-177.5	375.0	371.0	24.3
1.0	15.0	0.0	1.0	0.0	-167.0	336.1	336.0	10.9
1.0	15.0	0.0	0.0	0.0	-132.0	266.1	266.0	4.7
1.0	15.0	2.0	0.0	0.0	-150.5	312.6	311.1	7.1
1.0	15.0	2.0	0.0	0.0	-127.8	267.1	265.6	4.9
1.0	15.0	0.0	0.0	0.0	-125.7	253.4	253.3	4.4
1.0	15.0	0.0	0.0	0.0	-123.8	249.7	249.6	3.6
0.9	15.0	5.0	0.0	0.0	-157.1	325.8	324.3	10.0
0.8	15.0	2.0	0.0	0.0	-126.0	272.0	268.0	5.0
1.0	15.0	0.0	0.0	0.0	-149.8	301.6	301.5	6.7
1.0	15.0	0.0	1.0	0.0	-137.8	287.1	285.6	5.0
1.0	15.0	5.0	0.0	0.0	-172.1	355.8	354.2	10.5
1.0	15.0	2.0	0.0	0.0	-151.9	315.2	313.7	8.1
1.0	15.0	0.0	0.0	0.0	-137.8	277.7	277.6	5.4
0.9	15.0	0.0	4.0	0.0	-133.0	277.6	276.0	6.3
1.0	15.0	7.0	0.0	0.0	-193.8	399.2	397.7	42.2
0.9	15.0	7.0	0.0	0.0	-176.3	364.1	362.5	21.6
1.0	15.0	0.0	1.0	0.0	-172.4	346.9	346.8	17.8
1.0	15.0	0.0	1.0	0.0	-120.4	252.4	250.9	6.7
0.8	15.0	3.0	0.0	0.0	-112.7	245.5	241.5	4.0
1.0	15.0	2.0	0.0	0.0	-112.8	237.2	235.6	4.2
1.0	15.0	0.0	0.0	0.0	-179.5	361.1	361.0	15.4
0.8	15.0	0.0	5.0	0.0	-140.3	300.6	296.6	9.3
1.0	15.0	6.0	0.0	0.0	-191.2	402.3	398.3	30.0
1.0	15.0	6.0	0.0	0.0	-161.0	342.0	338.0	11.6
1.0	15.0	0.0	0.0	0.0	-175.5	353.2	353.1	16.7
1.0	15.0	0.0	3.0	0.0	-141.6	294.7	293.2	7.0
1.0	15.0	2.0	0.0	0.0	-131.1	282.2	278.2	6.6
0.8	15.0	3.0	0.0	0.0	-127.3	274.7	270.7	8.7
1.0	15.0	0.0	0.0	0.0	-177.2	356.5	356.4	17.2
1.0	15.0	7.0	0.0	0.0	-119.6	250.8	249.2	4.0
1.0	15.0	2.0	0.0	0.0	-122.4	264.8	260.8	5.6
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	6.9
1.0	15.0	1.0	0.0	0.0	-165.9	333.9	333.8	9.9
1.0	15.0	0.0	0.0	0.0	-136.4	274.9	274.8	4.8
1.0	15.0	3.0	0.0	0.0	-150.0	311.5	310.0	7.7
1.0	15.0	3.0	0.0	0.0	-147.5	306.5	304.9	7.1
1.0	15.0	0.0	0.0	0.0	-141.3	284.7	284.6	5.1
1.0	15.0	2.0	0.0	0.0	-138.2	287.9	286.3	7.6
0.9	15.0	7.0	0.0	0.0	-184.9	381.4	379.9	19.3
1.0	15.0	3.0	0.0	0.0	-145.2	310.4	306.4	9.2
1.0	15.0	0.0	0.0	0.0	-137.2	276.6	276.5	5.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-130.9	273.2	271.7	6.6
1.0	15.0	5.0	0.0	0.0	-140.8	293.2	291.7	7.8
1.0	15.0	5.0	0.0	0.0	-112.8	237.1	235.5	2.8
1.0	15.0	0.0	0.0	0.0	-166.0	334.0	333.9	8.9
1.0	15.0	5.0	0.0	0.0	-112.6	236.8	235.2	2.7
1.0	15.0	3.0	0.0	0.0	-89.1	189.7	188.2	2.6
1.0	15.0	2.0	0.0	0.0	-73.4	158.3	156.8	1.4
1.0	15.0	0.0	0.0	0.0	-136.9	276.0	275.9	4.7
1.0	15.0	4.0	0.0	0.0	-132.7	277.0	275.5	4.2
1.0	15.0	4.0	0.0	0.0	-137.7	287.0	285.4	13.5
1.0	15.0	2.0	0.0	0.0	-119.1	249.7	248.2	5.8
1.0	15.0	0.0	0.0	0.0	-151.5	305.1	305.0	7.6
1.0	15.0	2.0	0.0	0.0	-145.8	303.1	301.6	7.9
1.0	15.0	3.0	0.0	0.0	-86.9	185.3	183.8	2.0
1.0	15.0	0.0	0.0	0.0	-78.7	159.6	159.5	1.9
1.0	15.0	0.0	0.0	0.0	-170.1	342.3	342.2	15.2
1.0	15.0	2.0	0.0	0.0	-106.6	224.6	223.1	2.3
0.9	15.0	4.0	0.0	0.0	-110.3	232.1	230.6	3.6
0.9	15.0	3.0	0.0	0.0	-103.3	218.2	216.7	2.6
1.0	15.0	0.0	0.0	0.0	-163.5	329.1	329.0	8.3
1.0	15.0	3.0	0.0	0.0	-163.8	339.2	337.6	22.3
1.0	15.0	7.0	0.0	0.0	-197.6	406.7	405.1	34.7
1.0	15.0	2.0	0.0	0.0	-125.9	271.8	267.8	5.2
1.0	15.0	0.0	0.0	0.0	-168.7	339.4	339.4	9.6
0.9	15.0	5.0	0.0	0.0	-159.6	330.8	329.2	14.0
1.0	15.0	5.0	0.0	0.0	-162.4	336.4	334.9	23.9
0.9	15.0	5.0	0.0	0.0	-131.4	274.4	272.9	5.6
1.0	15.0	0.0	0.0	0.0	-165.7	333.5	333.4	9.5
0.9	15.0	2.0	0.0	0.0	-126.5	264.6	263.0	7.1
1.0	15.0	3.0	0.0	0.0	-114.8	241.2	239.6	6.8
1.0	15.0	3.0	0.0	0.0	-77.7	167.0	165.5	1.7
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	6.4
1.0	15.0	3.0	0.0	0.0	-138.6	288.7	287.2	9.4
1.0	15.0	6.0	0.0	0.0	-136.1	283.8	282.2	19.0
1.0	15.0	4.0	0.0	0.0	-120.7	252.9	251.4	7.3
1.0	15.0	0.0	0.0	0.0	-162.9	327.8	327.7	8.6
1.0	15.0	3.0	0.0	0.0	-129.2	270.0	268.4	5.4
1.0	15.0	3.0	0.0	0.0	-99.0	209.6	208.1	2.3
1.0	15.0	2.0	0.0	0.0	-70.5	152.5	151.0	0.9
1.0	15.0	0.0	0.0	0.0	-157.0	316.0	315.9	8.2
1.0	15.0	1.0	0.0	0.0	-130.5	272.5	271.0	5.1
1.0	15.0	4.0	0.0	0.0	-132.8	277.2	275.7	5.0
0.5	15.0	3.0	0.0	0.0	-105.3	230.7	226.7	2.0
1.0	15.0	0.0	0.0	0.0	-166.2	334.5	334.4	9.7
1.0	15.0	0.0	3.0	0.0	-146.6	304.7	303.2	8.1
0.9	15.0	0.0	1.0	0.0	-156.4	324.4	322.8	8.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-165.0	341.5	340.0	11.3
1.0	15.0	0.0	1.0	0.0	-138.1	287.7	286.1	5.9
1.0	15.0	0.0	3.0	0.0	-122.7	256.9	255.3	5.0
1.0	15.0	0.0	2.0	0.0	-160.7	332.9	331.4	15.1
0.9	15.0	1.0	0.0	0.0	-138.1	296.2	292.2	6.6
1.0	15.0	0.0	2.0	0.0	-154.2	320.0	318.4	7.1
1.0	15.0	0.0	3.0	0.0	-130.2	271.8	270.3	4.5
1.0	15.0	0.0	1.0	0.0	-109.0	229.5	228.0	2.9
1.0	15.0	2.0	0.0	0.0	-110.9	233.3	231.8	3.1
1.0	15.0	0.0	1.0	0.0	-157.4	326.3	324.8	9.2
1.0	15.0	0.0	2.0	0.0	-120.7	252.9	251.4	4.7
1.0	15.0	0.0	0.0	0.0	-65.7	133.5	133.4	1.0
1.0	15.0	1.0	0.0	0.0	-83.4	178.3	176.8	2.7
1.0	15.0	0.0	1.0	0.0	-143.3	298.2	296.7	6.4
1.0	15.0	0.0	3.0	0.0	-136.8	285.1	283.6	5.2
0.9	15.0	2.0	0.0	0.0	-99.3	218.6	214.6	1.6
1.0	15.0	3.0	0.0	0.0	-123.5	258.5	256.9	7.6
1.0	15.0	0.0	4.0	0.0	-187.6	386.8	385.3	15.0
1.0	15.0	0.0	3.0	0.0	-130.9	273.4	271.9	4.4
1.0	15.0	0.0	0.0	0.0	-67.8	137.8	137.7	1.1
1.0	15.0	1.0	0.0	0.0	-64.8	141.2	139.7	0.6
1.0	15.0	0.0	1.0	0.0	-161.2	333.9	332.4	10.4
1.0	15.0	0.0	1.0	0.0	-117.3	246.1	244.5	3.4
1.0	15.0	0.0	0.0	0.0	-102.4	207.0	206.9	3.5
1.0	15.0	1.0	0.0	0.0	-117.0	245.5	244.0	18.8
1.0	15.0	0.0	1.0	0.0	-143.1	297.8	296.2	5.6
1.0	15.0	0.0	2.0	0.0	-128.8	269.2	267.7	5.5
1.0	15.0	4.0	0.0	0.0	-151.4	314.2	312.7	9.4
1.0	15.0	3.0	0.0	0.0	-152.6	316.7	315.2	12.3
1.0	15.0	0.0	0.0	0.0	-135.5	273.0	273.0	4.6
1.0	15.0	0.0	3.0	0.0	-131.6	274.8	273.3	4.4
1.0	15.0	5.0	0.0	0.0	-158.2	327.9	326.3	8.9
1.0	15.0	5.0	0.0	0.0	-157.4	326.4	324.9	8.7
1.0	15.0	0.0	0.0	0.0	-129.9	261.9	261.8	4.0
1.0	15.0	0.0	0.0	0.0	-131.0	264.1	264.0	4.6
1.0	15.0	6.0	0.0	0.0	-132.2	284.3	280.3	5.9
0.9	15.0	5.0	0.0	0.0	-127.3	274.6	270.6	5.9
1.0	15.0	0.0	6.0	0.0	-139.8	291.1	289.6	6.0
0.9	15.0	0.0	2.0	0.0	-137.3	286.1	284.6	5.3
1.0	15.0	2.0	0.0	0.0	-119.2	250.0	248.4	3.4
1.0	15.0	3.0	0.0	0.0	-107.6	226.6	225.1	2.2
1.0	15.0	0.0	0.0	0.0	-177.3	356.7	356.6	13.0
1.0	15.0	0.0	2.0	0.0	-113.8	239.2	237.6	3.0
1.0	15.0	1.0	0.0	0.0	-112.4	236.4	234.9	7.7
1.0	15.0	1.0	0.0	0.0	-102.7	216.9	215.4	5.4
1.0	15.0	0.0	0.0	0.0	-157.9	317.8	317.7	7.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-107.1	225.7	224.1	2.5
1.0	15.0	3.0	0.0	0.0	-155.2	321.9	320.3	9.3
1.0	15.0	3.0	0.0	0.0	-115.8	243.3	241.7	3.7
1.0	15.0	0.0	0.0	0.0	-143.9	289.9	289.8	5.9
1.0	15.0	0.0	0.0	0.0	-124.5	251.2	251.1	4.0
1.0	15.0	2.0	0.0	0.0	-149.1	309.6	308.1	8.8
1.0	15.0	1.0	0.0	0.0	-128.7	269.0	267.4	4.9
1.0	15.0	0.0	0.0	0.0	-121.0	244.0	243.9	4.5
1.0	15.0	0.0	0.0	0.0	-130.0	262.0	261.9	4.9
1.0	15.0	3.0	0.0	0.0	-155.3	322.1	320.6	9.2
1.0	15.0	3.0	0.0	0.0	-138.5	288.5	287.0	7.1
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.5	7.6
0.9	15.0	1.0	2.0	0.0	-169.4	350.4	348.8	15.3
0.6	15.0	2.0	3.0	0.0	-179.5	379.0	375.0	29.6
0.6	15.0	0.0	4.0	0.0	-146.6	313.2	309.2	9.8
1.0	15.0	0.0	3.0	0.0	-155.2	322.0	320.4	14.3
1.0	15.0	1.0	1.0	0.0	-127.7	267.0	265.4	6.0
1.0	15.0	2.0	0.0	0.0	-82.3	184.6	180.6	1.5
1.0	15.0	2.0	0.0	0.0	-81.6	174.8	173.3	3.3
1.0	15.0	0.0	3.0	0.0	-144.0	299.6	298.1	6.1
0.9	15.0	1.0	1.0	0.0	-137.3	286.1	284.6	5.5
1.0	15.0	2.0	0.0	0.0	-150.1	311.8	310.2	44.6
1.0	15.0	2.0	0.0	0.0	-154.9	321.4	319.9	44.2
1.0	15.0	0.0	0.0	0.0	-152.2	306.5	306.4	8.3
1.0	15.0	0.0	0.0	0.0	-120.3	242.8	242.7	3.7
1.0	15.0	1.0	0.0	0.0	-140.8	293.1	291.6	6.4
1.0	15.0	1.0	0.0	0.0	-129.3	270.1	268.5	5.7
1.0	15.0	0.0	0.0	0.0	-134.0	270.1	270.0	4.7
1.0	15.0	0.0	0.0	0.0	-130.9	263.8	263.7	5.2
1.0	15.0	1.0	0.0	0.0	-151.9	315.4	313.8	7.6
1.0	15.0	1.0	0.0	0.0	-113.9	239.3	237.7	3.7
1.0	15.0	0.0	0.0	0.0	-128.5	259.0	258.9	4.1
1.0	15.0	0.0	0.0	0.0	-126.0	254.2	254.1	4.9
1.0	15.0	7.0	0.0	0.0	-180.2	372.0	370.5	16.0
0.6	15.0	6.0	0.0	0.0	-156.5	333.0	329.0	8.8
1.0	15.0	0.0	1.0	0.0	-175.4	352.9	352.8	12.9
1.0	15.0	0.0	0.0	0.0	-124.0	250.1	250.0	3.6
1.0	15.0	1.0	0.0	0.0	-111.9	235.4	233.9	2.7
1.0	15.0	1.0	0.0	0.0	-111.3	234.2	232.6	2.6
1.0	15.0	0.0	0.0	0.0	-169.7	341.5	341.4	9.3
1.0	15.0	0.0	2.0	0.0	-121.0	253.6	252.0	3.9
1.0	15.0	2.0	0.0	0.0	-143.4	298.4	296.9	6.9
1.0	15.0	2.0	0.0	0.0	-150.3	312.2	310.7	8.3
1.0	15.0	0.0	0.0	0.0	-118.2	238.4	238.3	3.1
1.0	15.0	0.0	3.0	0.0	-126.2	264.0	262.5	4.0
1.0	15.0	4.0	0.0	0.0	-144.8	301.1	299.6	7.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-143.9	299.4	297.9	8.2
1.0	15.0	0.0	0.0	0.0	-156.2	314.5	314.4	7.6
1.0	15.0	0.0	2.0	0.0	-135.8	283.2	281.7	5.4
1.0	15.0	0.0	0.0	0.0	-125.9	253.9	253.8	4.2
0.6	15.0	1.0	0.0	0.0	-107.5	226.5	224.9	2.8
1.0	15.0	0.0	0.0	0.0	-165.1	332.4	332.3	9.2
1.0	15.0	0.0	1.0	0.0	-121.6	254.8	253.2	3.3
1.0	15.0	2.0	0.0	0.0	-131.4	274.4	272.9	4.5
1.0	15.0	2.0	0.0	0.0	-142.2	296.0	294.5	5.9
1.0	15.0	0.0	0.0	0.0	-123.9	250.0	249.9	4.2
0.9	15.0	0.0	2.0	0.0	-142.3	296.1	294.5	16.7
1.0	15.0	0.0	2.0	0.0	-148.1	307.7	306.2	6.8
1.0	15.0	1.0	0.0	0.0	-147.8	307.1	305.6	16.8
1.0	15.0	0.0	2.0	0.0	-165.7	342.9	341.4	17.7
1.0	15.0	0.0	2.0	0.0	-131.4	274.4	272.9	5.5
1.0	15.0	3.0	2.0	0.0	-178.2	376.4	372.4	19.3
1.0	15.0	3.0	1.0	0.0	-139.0	298.1	294.1	8.1
1.0	15.0	0.0	2.0	0.0	-162.2	335.9	334.4	10.7
1.0	15.0	2.0	1.0	0.0	-158.1	327.8	326.2	10.2
1.0	15.0	0.0	1.0	0.0	-105.8	223.1	221.5	2.6
1.0	15.0	1.0	0.0	0.0	-132.9	277.4	275.8	10.9
1.0	15.0	0.0	3.0	0.0	-167.1	345.8	344.2	11.1
1.0	15.0	0.0	1.0	0.0	-121.7	254.8	253.3	4.7
1.0	15.0	0.0	0.0	0.0	-79.3	160.7	160.6	2.3
1.0	15.0	1.0	0.0	0.0	-95.3	202.2	200.6	13.2
1.0	15.0	0.0	2.0	0.0	-147.3	306.1	304.6	5.9
1.0	15.0	0.0	1.0	0.0	-158.7	328.9	327.3	11.9
1.0	15.0	0.0	0.0	0.0	-82.5	167.2	167.1	2.2
1.0	15.0	1.0	0.0	0.0	-72.1	155.7	154.1	3.4
1.0	15.0	0.0	2.0	0.0	-146.0	303.6	302.1	12.0
1.0	15.0	0.0	4.0	0.0	-141.3	294.1	292.6	8.7
1.0	15.0	0.0	2.0	0.0	-124.6	260.7	259.2	5.2
1.0	15.0	2.0	0.0	0.0	-141.3	294.2	292.7	21.2
1.0	15.0	0.0	2.0	0.0	-170.6	352.8	351.2	16.5
1.0	15.0	0.0	4.0	0.0	-129.7	271.0	269.4	4.3
1.0	15.0	4.0	0.0	0.0	-126.0	263.5	262.0	6.4
1.0	15.0	4.0	0.0	0.0	-113.0	237.5	236.0	3.0
1.0	15.0	0.0	0.0	0.0	-130.8	263.6	263.5	4.6
1.0	15.0	0.0	0.0	0.0	-137.5	277.0	276.9	4.7
1.0	15.0	2.0	0.0	0.0	-158.1	327.8	326.3	8.6
1.0	15.0	2.0	0.0	0.0	-103.0	217.6	216.0	1.9
1.0	15.0	0.0	0.0	0.0	-163.3	328.7	328.6	8.9
1.0	15.0	0.0	2.0	0.0	-121.4	254.3	252.8	3.5
1.0	15.0	3.0	0.0	0.0	-168.7	349.0	347.5	12.5
1.0	15.0	2.0	0.0	0.0	-136.8	285.2	283.6	5.9
1.0	15.0	0.0	0.0	0.0	-146.0	294.1	294.1	6.2



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-126.4	264.3	262.8	5.0
1.0	15.0	3.0	1.0	0.0	-146.0	312.0	308.0	8.5
1.0	15.0	1.0	0.0	0.0	-142.3	304.5	300.5	8.7
1.0	15.0	0.0	1.0	0.0	-143.8	299.2	297.6	5.9
1.0	15.0	0.0	1.0	0.0	-126.8	265.2	263.6	7.8
0.9	15.0	4.0	1.0	0.0	-183.9	387.7	383.7	33.2
1.0	15.0	3.0	1.0	0.0	-160.4	332.3	330.7	21.5
1.0	15.0	0.0	1.0	0.0	-168.1	347.7	346.1	13.8
1.0	15.0	0.0	3.0	0.0	-120.0	251.6	250.0	3.2
1.0	15.0	4.0	0.0	0.0	-122.0	255.5	253.9	3.8
1.0	15.0	4.0	0.0	0.0	-130.2	271.9	270.4	5.2
1.0	15.0	0.0	0.0	0.0	-139.3	280.6	280.5	5.8
0.8	15.0	0.0	3.0	0.0	-124.1	268.2	264.2	4.1
1.0	15.0	3.0	1.0	0.0	-144.0	308.1	304.1	7.0
1.0	15.0	3.0	0.0	0.0	-162.6	345.2	341.2	9.2
1.0	15.0	0.0	3.0	0.0	-141.2	294.0	292.5	7.2
1.0	15.0	0.0	3.0	0.0	-148.0	307.5	305.9	7.0
1.0	15.0	5.0	3.0	0.0	-201.7	423.6	419.5	28.1
1.0	15.0	5.0	0.0	0.0	-183.5	387.1	383.0	17.8
1.0	15.0	0.0	6.0	0.0	-153.9	319.3	317.8	8.3
1.0	15.0	0.0	2.0	0.0	-116.5	244.6	243.1	4.5
1.0	15.0	0.0	0.0	0.0	-63.2	128.5	128.4	0.9
0.7	15.0	2.0	0.0	0.0	-81.0	173.5	172.0	3.7
1.0	15.0	0.0	4.0	0.0	-155.5	322.5	320.9	11.9
0.9	15.0	0.0	2.0	0.0	-116.3	244.2	242.7	3.2
1.0	15.0	1.0	0.0	0.0	-130.3	280.6	276.6	4.9
1.0	15.0	3.0	0.0	0.0	-120.1	260.1	256.1	4.2
1.0	15.0	0.0	1.0	0.0	-166.5	335.0	334.9	12.3
1.0	15.0	0.0	3.0	0.0	-145.6	302.8	301.2	7.2
1.0	15.0	2.0	1.0	0.0	-180.8	381.5	377.5	17.0
1.0	15.0	5.0	0.0	0.0	-164.8	349.5	345.5	13.8
1.0	15.0	0.0	4.0	0.0	-154.0	319.5	318.0	7.3
1.0	15.0	0.0	2.0	0.0	-140.9	293.4	291.9	5.9
1.0	15.0	3.0	0.0	0.0	-112.0	235.6	234.0	4.2
1.0	15.0	3.0	0.0	0.0	-133.2	278.0	276.4	10.9
1.0	15.0	0.0	2.0	0.0	-140.9	293.3	291.8	6.2
1.0	15.0	1.0	0.0	0.0	-147.7	307.0	305.4	5.7
1.0	15.0	4.0	0.0	0.0	-179.3	370.1	368.6	12.2
1.0	15.0	3.0	0.0	0.0	-169.7	350.9	349.4	9.5
1.0	15.0	0.0	0.0	0.0	-135.1	272.2	272.1	4.7
1.0	15.0	1.0	0.0	0.0	-110.3	232.2	230.7	2.5
1.0	15.0	3.0	0.0	0.0	-117.5	246.6	245.0	7.1
1.0	15.0	3.0	0.0	0.0	-91.2	193.8	192.3	3.4
1.0	15.0	0.0	0.0	0.0	-127.1	256.4	256.3	4.2
1.0	15.0	0.0	4.0	0.0	-244.2	499.1	498.4	3.7
1.0	15.0	5.0	0.0	0.0	-272.1	554.8	554.1	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-257.1	524.9	524.2	5.8
1.0	15.0	0.0	1.0	0.0	-332.9	667.9	667.8	9.4
1.0	15.0	0.0	0.0	0.0	-124.8	251.7	251.6	5.0
1.0	15.0	2.0	0.0	0.0	-163.6	338.8	337.3	9.9
1.0	15.0	2.0	0.0	0.0	-124.5	260.5	259.0	6.1
1.0	15.0	0.0	0.0	0.0	-130.9	264.0	263.9	5.2
1.0	15.0	0.0	2.0	0.0	-127.0	265.5	263.9	5.8
1.0	15.0	0.0	1.0	0.0	-139.6	290.7	289.1	5.7
1.0	15.0	1.0	0.0	0.0	-128.2	267.9	266.4	5.0
1.0	15.0	0.0	2.0	0.0	-138.8	289.1	287.6	6.1
1.0	15.0	0.0	1.0	0.0	-112.9	237.4	235.8	4.2
1.0	15.0	1.0	1.0	0.0	-152.6	325.3	321.2	13.3
1.0	15.0	1.0	0.0	0.0	-126.9	274.0	269.9	5.7
1.0	15.0	0.0	1.0	0.0	-139.3	290.1	288.6	5.8
1.0	15.0	0.0	2.0	0.0	-124.7	261.0	259.5	7.4
1.0	15.0	0.0	0.0	0.0	-70.4	142.8	142.8	1.0
1.0	15.0	1.0	0.0	0.0	-84.3	180.2	178.7	9.0
1.0	15.0	0.0	1.0	0.0	-131.1	273.7	272.1	10.6
1.0	15.0	0.0	1.0	0.0	-113.0	237.5	236.0	2.7
1.0	15.0	0.0	0.0	0.0	-87.8	177.6	177.5	3.4
1.0	15.0	1.0	0.0	0.0	-89.5	190.6	189.0	2.5
1.0	15.0	0.0	1.0	0.0	-149.0	309.6	308.1	8.0
1.0	15.0	0.0	1.0	0.0	-118.4	248.3	246.8	3.7
1.0	15.0	0.0	0.0	0.0	-107.0	216.2	216.1	3.7
0.6	15.0	1.0	0.0	0.0	-107.5	226.4	224.9	3.6
1.0	15.0	0.0	1.0	0.0	-149.9	311.3	309.7	6.8
1.0	15.0	0.0	1.0	0.0	-110.1	231.7	230.2	3.4
1.0	15.0	2.0	0.0	0.0	-155.1	321.7	320.1	7.8
1.0	15.0	1.0	0.0	0.0	-120.1	251.7	250.2	3.7
1.0	15.0	0.0	0.0	0.0	-140.8	283.7	283.6	6.4
1.0	15.0	0.0	0.0	0.0	-112.1	226.3	226.2	2.8
1.0	15.0	2.0	0.0	0.0	-159.3	330.2	328.6	9.2
1.0	15.0	1.0	0.0	0.0	-121.9	255.3	253.8	4.5
1.0	15.0	0.0	0.0	0.0	-142.4	286.9	286.8	5.3
1.0	15.0	0.0	4.0	0.0	-136.3	284.2	282.6	6.0
1.0	15.0	3.0	0.0	0.0	-125.3	262.2	260.7	4.9
1.0	15.0	3.0	0.0	0.0	-126.7	265.0	263.4	4.4
1.0	15.0	0.0	0.0	0.0	-128.2	258.4	258.3	4.7
1.0	15.0	0.0	2.0	0.0	-116.0	243.6	242.0	3.2
1.0	15.0	2.0	0.0	0.0	-156.3	324.0	322.5	12.5
1.0	15.0	2.0	0.0	0.0	-126.3	264.1	262.6	6.7
1.0	15.0	0.0	0.0	0.0	-144.4	291.0	290.9	6.5
1.0	15.0	0.0	4.0	0.0	-123.1	257.8	256.3	4.2
1.0	15.0	0.0	2.0	0.0	-175.1	361.7	360.2	20.4
1.0	15.0	3.0	0.0	0.0	-149.2	318.3	314.3	8.6
1.0	15.0	0.0	2.0	0.0	-162.8	337.2	335.6	9.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-134.2	279.9	278.3	5.3
1.0	15.0	0.0	1.0	0.0	-132.6	267.2	267.1	6.3
1.0	15.0	1.0	0.0	0.0	-99.4	210.3	208.8	2.7
1.0	15.0	1.0	0.0	0.0	-187.0	376.1	376.0	14.8
1.0	15.0	0.0	2.0	0.0	-117.6	246.7	245.2	3.5
0.6	15.0	0.0	1.0	0.0	-81.3	174.1	172.5	1.2
1.0	15.0	1.0	0.0	0.0	-76.8	165.1	163.5	4.0
1.0	15.0	0.0	3.0	0.0	-151.7	315.0	313.5	8.5
1.0	15.0	0.0	4.0	0.0	-137.8	287.2	285.6	4.9
1.0	15.0	3.0	0.0	0.0	-133.0	286.0	282.0	8.1
0.5	15.0	4.0	0.0	0.0	-138.5	296.9	292.9	10.3
1.0	15.0	0.0	0.0	0.0	-169.2	340.6	340.5	9.4
1.0	15.0	0.0	2.0	0.0	-121.5	254.5	252.9	3.7
1.0	15.0	0.0	0.0	0.0	-115.4	232.9	232.8	3.8
0.6	15.0	1.0	0.0	0.0	-102.7	216.9	215.4	1.8
1.0	15.0	0.0	0.0	0.0	-165.9	333.8	333.8	9.3
1.0	15.0	0.0	2.0	0.0	-115.7	242.9	241.4	3.3
1.0	15.0	4.0	0.0	0.0	-166.1	352.2	348.2	11.2
1.0	15.0	3.0	0.0	0.0	-124.9	269.7	265.7	5.5
1.0	15.0	0.0	0.0	0.0	-134.9	271.9	271.8	5.7
1.0	15.0	0.0	1.0	0.0	-118.1	247.7	246.2	3.0
1.0	15.0	1.0	0.0	0.0	-140.4	292.4	290.8	6.5
1.0	15.0	1.0	0.0	0.0	-134.9	281.3	279.8	6.7
1.0	15.0	0.0	0.0	0.0	-122.7	247.5	247.4	4.5
1.0	15.0	0.0	0.0	0.0	-133.1	268.2	268.1	8.3
1.0	15.0	1.0	0.0	0.0	-163.5	347.0	343.0	25.6
1.0	15.0	1.0	0.0	0.0	-126.7	273.4	269.4	15.9
1.0	15.0	0.0	1.0	0.0	-140.4	282.9	282.8	10.0
1.0	15.0	0.0	2.0	0.0	-110.8	233.2	231.7	2.9
1.0	15.0	2.0	0.0	0.0	-107.7	235.5	231.5	5.6
0.6	15.0	2.0	0.0	0.0	-102.7	225.4	221.4	3.4
1.0	15.0	0.0	1.0	0.0	-152.0	315.6	314.1	8.1
1.0	15.0	0.0	2.0	0.0	-279.0	568.6	567.9	12.6
1.0	15.0	0.0	0.0	0.0	-258.1	518.2	518.2	5.2
1.0	15.0	2.0	0.0	0.0	-281.0	572.6	571.9	34.6
1.0	15.0	0.0	2.0	0.0	-303.7	618.0	617.3	16.2
1.0	15.0	0.0	2.0	0.0	-120.7	252.9	251.4	3.7
0.7	15.0	4.0	0.0	0.0	-149.6	319.1	315.1	8.3
1.0	15.0	2.0	0.0	0.0	-117.2	246.0	244.5	4.1
1.0	15.0	0.0	0.0	0.0	-156.0	314.1	314.0	7.7
1.0	15.0	0.0	7.0	0.0	-112.1	244.2	240.2	2.9
1.0	15.0	9.0	0.0	0.0	-173.5	367.1	363.1	11.6
1.0	15.0	9.0	0.0	0.0	-151.2	322.5	318.5	8.8
1.0	15.0	0.0	0.0	0.0	-143.9	290.0	289.9	5.8
1.0	15.0	0.0	2.0	0.0	-118.1	247.7	246.1	3.4
1.0	15.0	2.0	0.0	0.0	-154.1	319.8	318.2	7.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-156.1	323.8	322.3	9.1
1.0	15.0	0.0	0.0	0.0	-138.3	278.7	278.6	5.3
1.0	15.0	0.0	0.0	0.0	-117.9	237.9	237.8	3.1
1.0	15.0	1.0	0.0	0.0	-110.6	232.7	231.1	2.5
1.0	15.0	1.0	0.0	0.0	-86.5	184.6	183.0	1.5
1.0	15.0	0.0	0.0	0.0	-165.0	332.1	332.0	9.4
1.0	15.0	0.0	4.0	0.0	-153.0	317.6	316.1	9.7
1.0	15.0	4.0	0.0	0.0	-173.4	358.3	356.8	22.0
1.0	15.0	4.0	0.0	0.0	-180.9	373.4	371.8	27.2
1.0	15.0	0.0	0.0	0.0	-156.4	314.9	314.8	8.5
1.0	15.0	0.0	7.0	0.0	-136.8	285.1	283.6	5.2
1.0	15.0	4.0	5.0	0.0	-151.0	322.1	318.1	7.4
1.0	15.0	6.0	0.0	0.0	-170.4	352.4	350.9	12.4
1.0	15.0	0.0	5.0	0.0	-137.0	285.5	283.9	6.1
1.0	15.0	0.0	8.0	0.0	-123.4	258.3	256.8	3.7
1.0	15.0	0.0	7.0	0.0	-219.2	450.0	448.4	40.7
1.0	15.0	1.0	2.0	0.0	-183.5	387.1	383.1	18.4
1.0	15.0	0.0	7.0	0.0	-129.8	271.1	269.6	6.2
1.0	15.0	2.0	6.0	0.0	-157.0	334.0	330.0	7.5
1.0	15.0	0.0	0.0	0.0	-141.2	284.5	284.4	6.0
0.9	15.0	6.0	1.0	0.0	-161.9	335.3	333.8	18.1
1.0	15.0	0.0	7.0	0.0	-153.7	318.8	317.3	7.2
1.0	15.0	0.0	5.0	0.0	-130.5	272.6	271.0	4.4
1.0	15.0	0.0	0.0	0.0	-72.5	147.1	147.0	1.3
1.0	15.0	5.0	0.0	0.0	-123.0	257.6	256.1	8.9
1.0	15.0	0.0	6.0	0.0	-137.2	286.0	284.4	5.4
1.0	15.0	0.0	6.0	0.0	-147.7	306.9	305.4	7.5
1.0	15.0	7.0	0.0	0.0	-140.3	292.0	290.5	7.7
0.5	15.0	7.0	0.0	0.0	-157.3	334.6	330.6	10.4
1.0	15.0	0.0	6.0	0.0	-165.3	342.2	340.7	11.8
1.0	15.0	0.0	7.0	0.0	-132.6	276.8	275.3	6.8
1.0	15.0	0.0	0.0	0.0	-92.3	186.7	186.6	1.7
1.0	15.0	6.0	0.0	0.0	-96.7	205.0	203.5	2.7
1.0	15.0	0.0	7.0	0.0	-161.4	334.5	332.9	13.0
1.0	15.0	0.0	7.0	0.0	-128.0	267.6	266.1	6.4
0.9	15.0	1.0	2.0	0.0	-112.0	244.0	240.0	4.0
1.0	15.0	7.0	0.0	0.0	-159.5	330.5	329.0	11.5
1.0	15.0	0.0	7.0	0.0	-139.0	289.6	288.1	9.2
0.9	15.0	0.0	6.0	0.0	-134.3	280.1	278.5	6.8
0.9	15.0	1.0	4.0	0.0	-163.4	346.7	342.7	9.1
1.0	15.0	4.0	0.0	0.0	-171.2	354.0	352.5	11.2
1.0	15.0	0.0	4.0	0.0	-153.6	318.7	317.2	7.3
1.0	15.0	0.0	5.0	0.0	-133.5	278.6	277.1	5.5
1.0	15.0	3.0	5.0	0.0	-199.7	419.4	415.4	28.9
1.0	15.0	1.0	1.0	0.0	-169.7	359.4	355.4	17.7
1.0	15.0	0.0	5.0	0.0	-152.3	316.1	314.5	6.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	3.0	0.0	-173.0	357.5	356.0	12.3
0.7	15.0	1.0	0.0	0.0	-115.6	251.2	247.2	3.2
1.0	15.0	4.0	2.0	0.0	-142.2	296.0	294.4	6.3
1.0	15.0	0.0	4.0	0.0	-145.5	302.6	300.9	6.9
1.0	15.0	0.0	6.0	0.0	-132.6	276.7	275.1	13.6
1.0	15.0	0.0	0.0	0.0	-80.3	162.6	162.5	1.6
1.0	15.0	6.0	0.0	0.0	-146.9	313.8	309.8	16.3
1.0	15.0	0.0	6.0	0.0	-138.7	289.0	287.4	18.6
1.0	15.0	0.0	3.0	0.0	-157.7	327.0	325.4	10.1
0.9	15.0	1.0	0.0	0.0	-121.4	262.8	258.8	6.4
1.0	15.0	5.0	0.0	0.0	-152.8	317.2	315.6	11.5
1.0	15.0	0.0	5.0	0.0	-180.2	372.0	370.4	13.0
1.0	15.0	0.0	5.0	0.0	-139.9	291.4	289.9	5.2
1.0	15.0	0.0	0.0	0.0	-85.9	173.8	173.7	1.8
1.0	15.0	4.0	0.0	0.0	-81.1	173.7	172.1	1.7
1.0	15.0	0.0	5.0	0.0	-155.8	323.1	321.5	12.0
1.0	15.0	0.0	6.0	0.0	-149.9	311.3	309.8	6.8
1.0	15.0	2.0	0.0	0.0	-129.4	278.9	274.9	4.9
1.0	15.0	6.0	0.0	0.0	-225.1	461.8	460.3	59.5
1.0	15.0	0.0	6.0	0.0	-125.6	262.8	261.2	4.9
0.9	15.0	0.0	6.0	0.0	-131.3	274.2	272.7	6.9
1.0	15.0	2.0	6.0	0.0	-149.1	318.1	314.1	10.9
1.0	15.0	5.0	0.0	0.0	-176.0	363.5	361.9	16.1
1.0	15.0	0.0	6.0	0.0	-140.6	292.7	291.1	8.8
1.0	15.0	0.0	7.0	0.0	-184.2	380.0	378.5	21.8
1.0	15.0	0.0	6.0	0.0	-227.0	465.4	463.9	42.7
0.9	15.0	1.0	4.0	0.0	-189.2	398.4	394.4	18.1
1.0	15.0	0.0	7.0	0.0	-191.5	394.6	393.1	34.1
1.0	15.0	1.0	6.0	0.0	-164.3	340.2	338.7	15.2
1.0	15.0	0.0	0.0	0.0	-171.9	346.0	345.9	13.4
1.0	15.0	6.0	1.0	0.0	-177.6	366.7	365.2	15.9
1.0	15.0	0.0	7.0	0.0	-168.0	347.5	346.0	9.3
1.0	15.0	0.0	8.0	0.0	-137.5	286.6	285.1	14.6
1.0	15.0	0.0	0.0	0.0	-73.9	149.9	149.8	1.1
1.0	15.0	8.0	0.0	0.0	-178.3	368.2	366.7	17.2
1.0	15.0	0.0	7.0	0.0	-157.8	327.2	325.6	21.9
1.0	15.0	0.0	5.0	0.0	-164.8	341.1	339.5	9.5
0.5	15.0	5.0	0.0	0.0	-146.7	313.5	309.5	7.9
1.0	15.0	7.0	0.0	0.0	-169.6	350.8	349.2	13.3
1.0	15.0	0.0	6.0	0.0	-174.0	359.5	357.9	11.4
1.0	15.0	0.0	7.0	0.0	-125.4	262.3	260.8	4.9
1.0	15.0	0.0	0.0	0.0	-93.4	188.9	188.9	1.8
1.0	15.0	6.0	0.0	0.0	-99.6	210.7	209.1	3.6
1.0	15.0	0.0	7.0	0.0	-150.0	311.6	310.1	7.9
1.0	15.0	0.0	7.0	0.0	-136.6	284.8	283.3	4.9
1.0	15.0	1.0	0.0	0.0	-121.3	262.5	258.5	5.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	8.0	0.0	0.0	-149.3	310.2	308.7	9.3
1.0	15.0	0.0	7.0	0.0	-147.1	305.8	304.3	7.4
1.0	15.0	0.0	0.0	0.0	-140.6	283.2	283.1	5.7
1.0	15.0	3.0	0.0	0.0	-153.1	317.6	316.1	6.8
1.0	15.0	3.0	0.0	0.0	-122.7	256.9	255.4	3.9
1.0	15.0	0.0	0.0	0.0	-146.0	294.1	294.0	6.8
1.0	15.0	0.0	0.0	0.0	-125.2	252.4	252.4	4.2
1.0	15.0	3.0	0.0	0.0	-162.0	335.5	334.0	8.6
1.0	15.0	3.0	0.0	0.0	-147.9	307.4	305.9	6.9
1.0	15.0	0.0	0.0	0.0	-153.6	309.4	309.3	7.0
1.0	15.0	0.0	0.0	0.0	-124.2	250.6	250.5	3.6
1.0	15.0	4.0	0.0	0.0	-140.3	292.1	290.5	6.1
1.0	15.0	3.0	0.0	0.0	-129.1	269.8	268.2	4.0
1.0	15.0	0.0	0.0	0.0	-131.9	265.9	265.8	4.4
1.0	15.0	0.0	0.0	0.0	-124.0	250.0	249.9	3.5
1.0	15.0	1.0	0.0	0.0	-163.9	339.4	337.8	9.3
1.0	15.0	2.0	0.0	0.0	-142.4	296.3	294.7	7.0
1.0	15.0	0.0	0.0	0.0	-159.8	321.8	321.7	10.3
1.0	15.0	0.0	0.0	0.0	-140.1	282.3	282.2	5.2
1.0	15.0	2.0	0.0	0.0	-157.6	326.7	325.1	8.3
1.0	15.0	2.0	0.0	0.0	-134.3	280.2	278.6	4.8
1.0	15.0	0.0	0.0	0.0	-148.5	299.0	298.9	6.6
1.0	15.0	0.0	3.0	0.0	-120.8	253.2	251.6	3.4
1.0	15.0	4.0	0.0	0.0	-168.0	347.7	346.1	12.8
1.0	15.0	4.0	0.0	0.0	-129.3	270.1	268.5	4.8
1.0	15.0	0.0	0.0	0.0	-149.1	300.4	300.3	6.3
1.0	15.0	0.0	2.0	0.0	-120.6	252.7	251.2	3.8
1.0	15.0	2.0	0.0	0.0	-143.6	307.1	303.1	12.0
0.9	15.0	4.0	0.0	0.0	-141.1	302.2	298.2	13.4
1.0	15.0	0.0	0.0	0.0	-150.3	302.8	302.7	6.4
1.0	15.0	0.0	1.0	0.0	-148.9	309.4	307.9	7.6
1.0	15.0	2.0	0.0	0.0	-131.7	274.9	273.4	5.6
1.0	15.0	2.0	0.0	0.0	-133.7	278.9	277.4	6.5
1.0	15.0	0.0	1.0	0.0	-159.4	320.8	320.7	9.6
1.0	15.0	0.0	2.0	0.0	-118.8	249.1	247.6	3.7
1.0	15.0	2.0	0.0	0.0	-146.5	304.5	302.9	7.5
1.0	15.0	2.0	0.0	0.0	-125.2	262.0	260.4	4.6
1.0	15.0	0.0	0.0	0.0	-158.5	319.1	319.0	7.7
1.0	15.0	0.0	1.0	0.0	-117.9	247.4	245.9	3.5
1.0	15.0	4.0	0.0	0.0	-163.2	338.0	336.5	9.6
1.0	15.0	2.0	0.0	0.0	-137.3	286.2	284.6	6.3
1.0	15.0	0.0	0.0	0.0	-155.5	313.0	312.9	7.1
1.0	15.0	0.0	0.0	0.0	-133.7	269.5	269.4	5.1
1.0	15.0	3.0	0.0	0.0	-164.3	340.0	338.5	9.7
1.0	15.0	3.0	0.0	0.0	-131.3	274.0	272.5	5.8
1.0	15.0	0.0	0.0	0.0	-155.6	313.3	313.2	7.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-147.6	297.3	297.2	6.8
1.0	15.0	1.0	0.0	0.0	-153.2	317.9	316.4	8.0
1.0	15.0	1.0	0.0	0.0	-120.7	252.9	251.4	3.6
1.0	15.0	0.0	0.0	0.0	-163.9	330.0	329.9	9.3
1.0	15.0	0.0	0.0	0.0	-555.6	1113.2	1113.1	5.7
1.0	15.0	1.0	0.0	0.0	-656.9	1324.2	1323.9	9.9
1.0	15.0	1.0	0.0	0.0	-494.3	998.8	998.5	5.4
1.0	15.0	0.0	0.0	0.0	-606.5	1215.1	1215.0	7.6
1.0	15.0	0.0	2.0	0.0	-811.7	1633.7	1633.4	5.2
1.0	15.0	1.0	0.0	0.0	-1037.4	2085.0	2084.7	12.8
1.0	15.0	1.0	0.0	0.0	-933.7	1877.7	1877.5	11.7
1.0	15.0	0.0	0.0	0.0	-899.9	1801.8	1801.8	6.5
1.0	15.0	0.0	1.0	0.0	-112.1	235.7	234.2	2.8
1.0	15.0	1.0	0.0	0.0	-156.8	325.2	323.7	17.3
0.9	15.0	1.0	0.0	0.0	-134.8	281.1	279.5	13.2
1.0	15.0	0.0	0.0	0.0	-148.1	298.3	298.2	9.8
1.0	15.0	0.0	0.0	0.0	-121.9	245.8	245.7	3.5
1.0	15.0	1.0	0.0	0.0	-152.3	316.2	314.7	7.5
1.0	15.0	1.0	0.0	0.0	-115.1	241.7	240.2	3.1
1.0	15.0	0.0	0.0	0.0	-149.3	300.7	300.7	6.2
1.0	15.0	1.0	1.0	0.0	-142.8	297.1	295.5	8.2
1.0	15.0	3.0	1.0	0.0	-195.8	411.5	407.5	27.4
1.0	15.0	3.0	1.0	0.0	-168.7	357.4	353.4	22.4
1.0	15.0	0.0	1.0	0.0	-166.7	335.4	335.3	16.6
1.0	15.0	0.0	0.0	0.0	-116.8	235.7	235.6	3.2
0.6	15.0	2.0	0.0	0.0	-122.5	265.0	261.0	6.3
0.9	15.0	2.0	0.0	0.0	-114.6	249.2	245.2	5.3
1.0	15.0	0.0	0.0	0.0	-162.7	327.5	327.4	9.1
1.0	15.0	0.0	2.0	0.0	-120.0	251.6	250.1	3.3
1.0	15.0	4.0	0.0	0.0	-117.2	246.0	244.5	3.5
1.0	15.0	4.0	0.0	0.0	-120.9	253.3	251.7	4.1
1.0	15.0	0.0	0.0	0.0	-152.4	307.0	306.9	9.6
1.0	15.0	2.0	0.0	0.0	-135.4	282.3	280.7	7.9
1.0	15.0	4.0	0.0	0.0	-170.5	352.5	350.9	12.0
0.9	15.0	3.0	0.0	0.0	-157.6	326.8	325.3	8.9
1.0	15.0	0.0	0.0	0.0	-143.6	289.2	289.2	5.2
1.0	15.0	2.0	0.0	0.0	-161.1	333.7	332.2	10.9
1.0	15.0	8.0	0.0	0.0	-220.5	452.5	451.0	67.9
1.0	15.0	7.0	0.0	0.0	-163.5	347.1	343.1	14.4
1.0	15.0	0.0	0.0	0.0	-142.0	286.1	286.0	9.2
1.0	15.0	3.0	0.0	0.0	-143.4	298.4	296.9	7.0
1.0	15.0	7.0	0.0	0.0	-180.9	373.4	371.9	38.0
0.6	15.0	6.0	0.0	0.0	-146.8	313.6	309.6	9.8
1.0	15.0	0.0	0.0	0.0	-174.1	350.3	350.2	12.0
1.0	15.0	3.0	0.0	0.0	-118.4	248.4	246.9	3.2
1.0	15.0	5.0	0.0	0.0	-179.6	370.7	369.2	29.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-142.7	297.0	295.4	16.2
1.0	15.0	0.0	0.0	0.0	-125.4	253.0	252.9	4.0
1.0	15.0	4.0	0.0	0.0	-131.4	274.4	272.8	5.2
0.8	15.0	7.0	0.0	0.0	-176.8	365.2	363.7	25.1
0.9	15.0	6.0	0.0	0.0	-162.0	335.6	334.1	15.2
1.0	15.0	2.0	0.0	0.0	-209.2	420.5	420.4	22.8
1.0	15.0	1.0	0.0	0.0	-134.8	281.2	279.7	5.5
1.0	15.0	5.0	0.0	0.0	-107.4	226.3	224.7	4.7
0.9	15.0	2.0	0.0	0.0	-84.1	179.7	178.2	2.5
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	7.0
1.0	15.0	2.0	0.0	0.0	-138.6	288.7	287.2	6.0
0.9	15.0	8.0	0.0	0.0	-192.2	396.0	394.5	27.3
0.9	15.0	8.0	0.0	0.0	-148.8	309.2	307.7	7.2
1.0	15.0	0.0	0.0	0.0	-162.9	327.8	327.7	7.7
1.0	15.0	0.0	0.0	0.0	-132.2	266.5	266.4	5.2
0.9	15.0	3.0	0.0	0.0	-184.5	389.1	385.0	28.0
1.0	15.0	2.0	0.0	0.0	-155.5	331.1	326.9	12.4
1.0	15.0	0.0	1.0	0.0	-145.9	303.4	301.9	6.7
1.0	15.0	0.0	1.0	0.0	-117.1	245.7	244.1	3.2
1.0	15.0	0.0	0.0	0.0	-107.8	217.8	217.7	13.4
0.7	15.0	1.0	0.0	0.0	-116.4	244.3	242.8	8.2
1.0	15.0	0.0	1.0	0.0	-155.4	312.8	312.8	11.8
1.0	15.0	1.0	0.0	0.0	-110.7	232.9	231.4	2.8
1.0	15.0	3.0	0.0	0.0	-150.6	321.1	317.1	18.3
1.0	15.0	1.0	0.0	0.0	-130.1	280.2	276.2	7.3
1.0	15.0	0.0	1.0	0.0	-153.8	309.7	309.6	9.7
1.0	15.0	0.0	0.0	0.0	-129.2	260.5	260.4	4.7
1.0	15.0	2.0	0.0	0.0	-162.4	336.4	334.8	10.1
1.0	15.0	0.0	0.0	0.0	-134.8	271.7	271.6	5.6
1.0	15.0	0.0	0.0	0.0	-149.0	300.0	299.9	7.8
1.0	15.0	0.0	0.0	0.0	-250.6	503.2	503.2	4.0
1.0	15.0	2.0	0.0	0.0	-345.4	701.6	700.8	12.1
1.0	15.0	1.0	0.0	0.0	-268.7	548.1	547.4	6.1
1.0	15.0	0.0	0.0	0.0	-310.1	622.2	622.2	8.0
1.0	15.0	7.0	0.0	0.0	-186.1	383.7	382.1	15.0
1.0	15.0	3.0	7.0	0.0	-209.8	439.8	435.7	29.6
0.9	15.0	1.0	6.0	0.0	-207.1	425.8	424.2	25.0
1.0	15.0	0.0	12.0	0.0	-158.5	328.5	326.9	7.7
1.0	15.0	4.0	0.0	0.0	-130.6	281.2	277.2	4.8
1.0	15.0	1.0	0.0	0.0	-135.8	291.6	287.6	8.2
0.9	15.0	1.0	0.0	0.0	-115.7	251.3	247.3	6.0
1.0	15.0	0.0	10.0	0.0	-147.1	305.8	304.3	6.0
1.0	15.0	5.0	0.0	0.0	-171.1	353.8	352.2	13.0
1.0	15.0	2.0	4.0	0.0	-188.7	397.5	393.5	19.0
1.0	15.0	0.0	4.0	0.0	-179.4	370.4	368.8	15.3
1.0	15.0	0.0	9.0	0.0	-141.7	295.0	293.4	6.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-145.8	303.2	301.6	9.6
1.0	15.0	0.0	0.0	0.0	-151.2	304.5	304.4	7.6
0.8	15.0	4.0	0.0	0.0	-159.0	329.5	328.0	9.4
1.0	15.0	0.0	1.0	0.0	-189.0	380.0	379.9	15.8
1.0	15.0	0.0	0.0	0.0	-148.4	299.0	298.9	5.8
1.0	15.0	6.0	0.0	0.0	-171.6	354.8	353.3	12.0
1.0	15.0	4.0	0.0	0.0	-175.5	362.6	361.0	11.5
1.0	15.0	0.0	1.0	0.0	-158.4	319.0	318.9	8.9
1.0	15.0	0.0	0.0	0.0	-143.0	288.1	288.0	5.6
1.0	15.0	6.0	0.0	0.0	-173.7	367.5	363.5	11.4
1.0	15.0	6.0	0.0	0.0	-158.2	336.3	332.3	7.7
1.0	15.0	0.0	0.0	0.0	-138.9	280.0	279.9	5.0
0.9	15.0	0.0	3.0	0.0	-128.4	268.4	266.9	11.2
1.0	15.0	1.0	2.0	0.0	-133.3	286.5	282.5	5.9
1.0	15.0	3.0	0.0	0.0	-145.9	303.2	301.7	11.2
1.0	15.0	0.0	2.0	0.0	-146.1	303.7	302.1	8.1
1.0	15.0	0.0	1.0	0.0	-127.1	265.8	264.2	8.7
1.0	15.0	2.0	1.0	0.0	-184.3	388.6	384.6	40.0
0.9	15.0	2.0	1.0	0.0	-148.7	317.4	313.4	20.7
1.0	15.0	0.0	2.0	0.0	-139.1	289.8	288.2	6.6
1.0	15.0	1.0	1.0	0.0	-158.5	328.5	327.0	10.7
1.0	15.0	2.0	1.0	0.0	-107.4	234.8	230.8	2.6
1.0	15.0	2.0	1.0	0.0	-152.8	317.2	315.7	8.3
1.0	15.0	0.0	2.0	0.0	-174.3	360.2	358.7	15.6
0.9	15.0	0.0	3.0	0.0	-114.0	239.5	238.0	3.6
1.0	15.0	0.0	0.0	0.0	-75.0	152.0	151.9	1.3
1.0	15.0	2.0	0.0	0.0	-83.7	178.9	177.3	3.3
1.0	15.0	0.0	5.0	0.0	-132.0	275.6	274.1	5.0
1.0	15.0	0.0	3.0	0.0	-132.6	276.7	275.2	6.6
1.0	15.0	3.0	0.0	0.0	-113.2	238.0	236.4	3.7
1.0	15.0	3.0	0.0	0.0	-112.4	236.3	234.7	6.4
1.0	15.0	0.0	3.0	0.0	-171.8	355.1	353.6	11.0
1.0	15.0	0.0	2.0	0.0	-128.6	268.7	267.1	6.1
1.0	15.0	0.0	0.0	0.0	-73.5	149.1	149.0	1.4
1.0	15.0	2.0	0.0	0.0	-76.4	164.3	162.7	2.5
1.0	15.0	0.0	2.0	0.0	-169.0	349.6	347.9	14.8
1.0	15.0	0.0	3.0	0.0	-127.9	267.3	265.8	4.5
1.0	15.0	4.0	0.0	0.0	-129.3	278.6	274.6	6.9
1.0	15.0	4.0	0.0	0.0	-110.6	232.7	231.1	3.7
1.0	15.0	0.0	1.0	0.0	-143.3	298.2	296.7	5.5
0.8	15.0	0.0	5.0	0.0	-135.7	291.5	287.5	10.4
1.0	15.0	2.0	3.0	0.0	-117.7	255.4	251.4	3.0
1.0	15.0	4.0	0.0	0.0	-152.4	324.8	320.8	13.3
0.7	15.0	1.0	3.0	0.0	-144.9	309.8	305.8	8.7
1.0	15.0	0.0	1.0	0.0	-135.1	281.7	280.2	8.3
0.6	15.0	2.0	1.0	0.0	-188.3	396.6	392.6	36.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	1.0	0.0	-155.1	330.1	326.1	20.8
1.0	15.0	0.0	2.0	0.0	-151.5	314.5	313.0	8.0
0.8	15.0	1.0	3.0	0.0	-161.4	342.7	338.7	14.6
0.7	15.0	1.0	2.0	0.0	-133.1	286.2	282.2	7.1
1.0	15.0	3.0	1.0	0.0	-161.7	334.9	333.4	10.4
1.0	15.0	0.0	4.0	0.0	-182.2	376.0	374.5	27.0
1.0	15.0	0.0	3.0	0.0	-116.4	244.4	242.8	3.1
1.0	15.0	0.0	0.0	0.0	-65.2	132.6	132.5	1.1
1.0	15.0	2.0	0.0	0.0	-88.0	187.6	186.1	7.5
1.0	15.0	0.0	7.0	0.0	-155.6	322.7	321.1	9.6
1.0	15.0	0.0	1.0	0.0	-137.3	286.2	284.6	12.0
0.9	15.0	3.0	0.0	0.0	-106.7	224.9	223.4	3.6
1.0	15.0	2.0	0.0	0.0	-128.5	268.5	266.9	13.3
1.0	15.0	0.0	3.0	0.0	-170.4	352.4	350.9	16.5
1.0	15.0	0.0	2.0	0.0	-125.5	262.6	261.0	3.9
1.0	15.0	0.0	0.0	0.0	-68.9	140.0	139.9	1.4
1.0	15.0	2.0	0.0	0.0	-71.6	154.7	153.2	1.5
1.0	15.0	0.0	2.0	0.0	-149.2	309.9	308.4	8.6
1.0	15.0	0.0	4.0	0.0	-137.9	287.4	285.8	8.6
1.0	15.0	4.0	0.0	0.0	-149.1	318.3	314.3	12.0
1.0	15.0	5.0	0.0	0.0	-139.3	290.2	288.6	16.3
1.0	15.0	0.0	3.0	0.0	-174.2	360.0	358.5	12.8
1.0	15.0	0.0	0.0	0.0	-137.2	276.5	276.4	4.9
0.8	15.0	2.0	0.0	0.0	-149.7	310.9	309.4	7.2
1.0	15.0	2.0	0.0	0.0	-121.2	253.9	252.4	4.9
1.0	15.0	0.0	0.0	0.0	-139.9	281.9	281.8	5.2
1.0	15.0	0.0	0.0	0.0	-142.6	287.2	287.1	5.4
1.0	15.0	1.0	0.0	0.0	-177.2	365.8	364.3	20.7
1.0	15.0	2.0	0.0	0.0	-157.8	327.1	325.5	13.9
1.0	15.0	0.0	0.0	0.0	-146.3	294.6	294.5	6.2
1.0	15.0	0.0	0.0	0.0	-137.8	277.7	277.7	5.1
1.0	15.0	4.0	0.0	0.0	-164.3	340.2	338.7	10.9
1.0	15.0	4.0	0.0	0.0	-139.4	290.4	288.9	10.3
1.0	15.0	0.0	0.0	0.0	-136.4	274.8	274.7	5.2
1.0	15.0	0.0	1.0	0.0	-128.9	269.2	267.7	4.0
1.0	15.0	0.0	0.0	0.0	-97.2	196.6	196.5	2.5
1.0	15.0	1.0	0.0	0.0	-104.4	220.3	218.7	4.9
1.0	15.0	0.0	1.0	0.0	-140.5	292.6	291.0	5.4
1.0	15.0	0.0	0.0	0.0	-108.7	219.4	219.4	2.7
1.0	15.0	2.0	0.0	0.0	-164.6	340.8	339.3	9.7
1.0	15.0	0.0	0.0	0.0	-142.8	287.7	287.6	7.8
1.0	15.0	0.0	0.0	0.0	-144.9	291.9	291.8	5.8
1.0	15.0	0.0	0.0	0.0	-144.0	290.0	289.9	6.5
1.0	15.0	4.0	0.0	0.0	-183.9	379.4	377.8	18.7
0.8	15.0	2.0	0.0	0.0	-141.2	294.0	292.4	6.2
1.0	15.0	0.0	0.0	0.0	-177.8	357.8	357.7	14.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-139.0	280.0	279.9	5.3
1.0	15.0	2.0	0.0	0.0	-159.7	330.9	329.3	8.5
1.0	15.0	1.0	0.0	0.0	-123.1	257.7	256.2	4.2
1.0	15.0	0.0	0.0	0.0	-141.9	285.9	285.9	5.8
1.0	15.0	0.0	5.0	0.0	-129.4	270.3	268.8	7.2
0.9	15.0	0.0	3.0	0.0	-118.1	247.8	246.2	6.1
1.0	15.0	3.0	0.0	0.0	-151.4	314.3	312.8	22.5
1.0	15.0	0.0	4.0	0.0	-153.6	318.8	317.2	8.0
1.0	15.0	0.0	3.0	0.0	-116.6	244.8	243.2	3.1
0.6	15.0	4.0	0.0	0.0	-159.6	339.2	335.2	8.8
1.0	15.0	3.0	0.0	0.0	-129.9	271.3	269.8	5.5
1.0	15.0	0.0	0.0	0.0	-147.9	297.9	297.8	6.4
1.0	15.0	0.0	4.0	0.0	-245.7	502.1	501.4	4.0
0.9	15.0	5.0	0.0	0.0	-360.7	739.2	737.5	13.2
0.8	15.0	5.0	0.0	0.0	-289.9	597.7	595.9	7.0
1.0	15.0	0.0	0.0	0.0	-313.6	629.2	629.2	8.2
1.0	15.0	0.0	1.0	0.0	-112.9	237.5	235.9	4.8
1.0	15.0	1.0	0.0	0.0	-164.9	341.4	339.8	9.6
1.0	15.0	2.0	0.0	0.0	-126.8	265.2	263.6	5.8
1.0	15.0	0.0	2.0	0.0	-164.8	341.2	339.6	8.3
1.0	15.0	0.0	5.0	0.0	-125.3	262.1	260.6	4.2
1.0	15.0	4.0	0.0	0.0	-151.1	322.1	318.1	8.5
0.5	15.0	5.0	0.0	0.0	-144.0	308.0	304.0	9.3
1.0	15.0	0.0	0.0	0.0	-156.3	314.6	314.5	7.8
1.0	15.0	0.0	1.0	0.0	-130.9	273.4	271.9	4.5
1.0	15.0	2.0	1.0	0.0	-126.7	273.4	269.4	4.3
1.0	15.0	1.0	0.0	0.0	-144.2	299.9	298.4	8.2
1.0	15.0	0.0	2.0	0.0	-140.1	291.7	290.2	5.6
1.0	15.0	0.0	2.0	0.0	-129.2	269.9	268.3	7.2
0.9	15.0	2.0	3.0	0.0	-185.0	390.1	386.0	22.4
1.0	15.0	0.0	0.0	0.0	-148.4	298.9	298.8	10.8
1.0	15.0	0.0	2.0	0.0	-151.0	313.6	312.1	9.9
1.0	15.0	0.0	1.0	0.0	-124.6	260.7	259.2	5.1
1.0	15.0	0.0	0.0	0.0	-83.6	169.3	169.2	2.6
0.9	15.0	1.0	0.0	0.0	-100.0	211.6	210.1	17.0
1.0	15.0	0.0	2.0	0.0	-161.3	334.1	332.5	9.8
1.0	15.0	0.0	1.0	0.0	-126.0	263.6	262.1	3.7
1.0	15.0	0.0	0.0	0.0	-74.7	151.5	151.4	1.9
0.9	15.0	1.0	0.0	0.0	-67.6	146.7	145.2	1.3
1.0	15.0	0.0	2.0	0.0	-181.6	374.8	373.2	13.9
1.0	15.0	0.0	2.0	0.0	-129.4	270.4	268.9	4.5
1.0	15.0	0.0	2.0	0.0	-107.5	226.5	225.0	2.7
1.0	15.0	2.0	0.0	0.0	-109.3	230.2	228.7	5.3
1.0	15.0	0.0	2.0	0.0	-156.1	323.7	322.2	7.6
1.0	15.0	0.0	1.0	0.0	-111.5	234.5	233.0	2.6
1.0	15.0	1.0	1.0	0.0	-145.9	311.8	307.8	6.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-136.7	284.9	283.4	5.2
1.0	15.0	0.0	1.0	0.0	-134.0	279.5	278.0	5.5
1.0	15.0	0.0	0.0	0.0	-141.0	284.1	284.0	6.1
1.0	15.0	3.0	0.0	0.0	-157.0	325.6	324.1	12.2
1.0	15.0	3.0	0.0	0.0	-119.1	249.7	248.1	6.1
1.0	15.0	0.0	0.0	0.0	-149.8	301.8	301.7	7.1
1.0	15.0	0.0	0.0	0.0	-121.5	245.2	245.1	3.6
0.9	15.0	3.0	0.0	0.0	-116.3	252.5	248.5	5.3
0.9	15.0	4.0	0.0	0.0	-114.1	239.8	238.2	3.2
1.0	15.0	0.0	0.0	0.0	-133.8	269.7	269.7	5.3
1.0	15.0	0.0	0.0	0.0	-130.6	263.4	263.3	4.8
1.0	15.0	2.0	0.0	0.0	-149.2	309.9	308.4	6.8
1.0	15.0	3.0	0.0	0.0	-142.1	295.6	294.1	6.7
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	4.9
1.0	15.0	0.0	3.0	0.0	-119.6	250.8	249.2	3.3
1.0	15.0	5.0	0.0	0.0	-158.9	329.4	327.9	10.9
1.0	15.0	5.0	0.0	0.0	-148.0	307.6	306.0	8.3
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	6.6
1.0	15.0	0.0	3.0	0.0	-101.6	223.3	219.3	2.4
1.0	15.0	1.0	0.0	0.0	-154.1	310.3	310.2	7.9
1.0	15.0	1.0	0.0	0.0	-135.8	291.5	287.5	5.4
1.0	15.0	0.0	1.0	0.0	-155.9	313.8	313.7	11.6
1.0	15.0	0.0	0.0	0.0	-257.8	517.6	517.6	4.7
1.0	15.0	2.0	0.0	0.0	-352.1	714.9	714.1	19.4
1.0	15.0	2.0	0.0	0.0	-293.1	596.9	596.2	12.7
1.0	15.0	0.0	0.0	0.0	-283.6	569.3	569.2	5.8
1.0	15.0	0.0	0.0	0.0	-126.1	254.3	254.2	4.8
1.0	15.0	2.0	0.0	0.0	-154.9	321.3	319.7	7.6
1.0	15.0	1.0	0.0	0.0	-120.0	251.6	250.1	6.0
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	6.4
1.0	15.0	0.0	0.0	0.0	-120.7	243.5	243.4	5.3
1.0	15.0	1.0	0.0	0.0	-163.2	338.0	336.4	9.3
1.0	15.0	1.0	0.0	0.0	-156.2	323.9	322.3	9.4
1.0	15.0	0.0	0.0	0.0	-166.9	335.9	335.8	10.0
1.0	15.0	0.0	3.0	0.0	-137.5	286.6	285.1	4.8
1.0	15.0	1.0	2.0	0.0	-147.1	314.2	310.2	8.8
1.0	15.0	2.0	0.0	0.0	-147.8	315.7	311.7	9.0
1.0	15.0	0.0	2.0	0.0	-135.2	281.9	280.4	6.5
1.0	15.0	0.0	0.0	0.0	-140.0	282.0	281.9	7.4
0.7	15.0	4.0	1.0	0.0	-174.4	368.9	364.8	20.1
0.6	15.0	0.0	1.0	0.0	-140.7	293.1	291.5	10.5
1.0	15.0	0.0	2.0	0.0	-163.9	339.3	337.7	13.5
1.0	15.0	0.0	1.0	0.0	-118.9	249.4	247.8	4.9
1.0	15.0	1.0	0.0	0.0	-87.9	177.9	177.8	10.5
1.0	15.0	2.0	0.0	0.0	-92.4	196.4	194.9	7.0
1.0	15.0	0.0	2.0	0.0	-144.2	299.9	298.4	13.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-113.1	237.6	236.1	2.9
1.0	15.0	2.0	0.0	0.0	-97.2	214.4	210.4	3.7
0.8	15.0	2.0	0.0	0.0	-105.1	230.1	226.1	3.5
1.0	15.0	0.0	0.0	0.0	-181.1	364.3	364.3	13.9
1.0	15.0	0.0	0.0	0.0	-122.0	246.1	246.1	3.9
1.0	15.0	1.0	0.0	0.0	-140.0	291.6	290.1	8.8
1.0	15.0	1.0	0.0	0.0	-118.7	249.0	247.5	4.4
1.0	15.0	0.0	0.0	0.0	-153.1	308.2	308.1	7.1
1.0	15.0	0.0	0.0	0.0	-119.8	241.7	241.7	3.9
1.0	15.0	1.0	0.0	0.0	-122.0	255.5	254.0	9.0
1.0	15.0	1.0	0.0	0.0	-115.2	241.9	240.4	6.0
1.0	15.0	0.0	0.0	0.0	-161.0	324.2	324.1	9.1
1.0	15.0	0.0	6.0	0.0	-144.9	301.3	299.8	6.8
1.0	15.0	0.0	7.0	0.0	-136.4	284.3	282.7	10.6
1.0	15.0	2.0	0.0	0.0	-146.9	305.3	303.8	8.8
1.0	15.0	2.0	3.0	0.0	-155.4	330.8	326.8	10.5
1.0	15.0	0.0	7.0	0.0	-144.0	299.6	298.0	6.4
0.8	15.0	4.0	7.0	0.0	-227.3	474.8	470.7	39.3
1.0	15.0	4.0	1.0	0.0	-182.8	385.7	381.5	16.0
1.0	15.0	0.0	8.0	0.0	-156.7	324.9	323.3	7.7
1.0	15.0	1.0	4.0	0.0	-155.1	321.6	320.1	8.5
1.0	15.0	1.0	0.0	0.0	-142.4	286.8	286.7	6.6
1.0	15.0	4.0	1.0	0.0	-130.6	281.2	277.2	4.5
1.0	15.0	0.0	6.0	0.0	-188.7	388.9	387.4	18.3
1.0	15.0	0.0	6.0	0.0	-130.3	272.1	270.6	10.5
1.0	15.0	0.0	3.0	0.0	-90.5	192.4	190.9	2.0
0.9	15.0	5.0	0.0	0.0	-148.3	308.2	306.6	13.5
1.0	15.0	1.0	5.0	0.0	-177.0	365.5	363.9	34.3
1.0	15.0	0.0	7.0	0.0	-151.2	314.0	312.5	6.9
1.0	15.0	4.0	0.0	0.0	-147.9	315.8	311.8	7.9
1.0	15.0	8.0	0.0	0.0	-161.1	333.8	332.2	9.3
1.0	15.0	0.0	7.0	0.0	-185.1	381.6	380.1	16.8
1.0	15.0	0.0	6.0	0.0	-157.7	326.9	325.3	8.4
1.0	15.0	0.0	0.0	0.0	-94.0	190.1	190.0	2.8
1.0	15.0	2.0	0.0	0.0	-79.5	170.6	169.1	1.5
1.0	15.0	1.0	3.0	0.0	-186.6	384.8	383.3	21.4
1.0	15.0	0.0	5.0	0.0	-142.8	297.2	295.6	13.0
0.9	15.0	2.0	5.0	0.0	-136.8	293.5	289.5	6.2
0.6	15.0	5.0	0.0	0.0	-135.9	291.9	287.9	6.1
1.0	15.0	1.0	5.0	0.0	-184.6	380.7	379.2	30.5
1.0	15.0	0.0	0.0	0.0	-129.6	261.3	261.2	6.1
0.9	15.0	1.0	0.0	0.0	-154.0	319.5	318.0	9.7
0.9	15.0	1.0	0.0	0.0	-141.9	295.2	293.7	9.5
1.0	15.0	0.0	0.0	0.0	-132.3	266.8	266.7	4.5
1.0	15.0	0.0	0.0	0.0	-121.7	245.6	245.5	4.5
1.0	15.0	3.0	0.0	0.0	-168.7	349.0	347.4	11.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	2.0	0.0	0.0	-121.8	263.8	259.7	4.2
1.0	15.0	0.0	0.0	0.0	-151.0	304.1	304.0	8.1
1.0	15.0	0.0	1.0	0.0	-117.9	247.3	245.7	3.2
1.0	15.0	1.0	0.0	0.0	-102.8	217.2	215.7	2.4
1.0	15.0	1.0	0.0	0.0	-104.8	221.2	219.6	4.5
1.0	15.0	0.0	1.0	0.0	-158.0	318.0	317.9	10.5
1.0	15.0	0.0	2.0	0.0	-126.8	265.2	263.7	4.1
1.0	15.0	1.0	0.0	0.0	-135.2	282.0	280.5	12.0
0.6	15.0	2.0	0.0	0.0	-138.6	288.8	287.2	11.9
1.0	15.0	0.0	0.0	0.0	-126.9	256.0	255.9	12.2
1.0	15.0	0.0	0.0	0.0	-137.4	276.8	276.7	5.4
1.0	15.0	2.0	0.0	0.0	-168.2	347.9	346.3	11.0
1.0	15.0	1.0	0.0	0.0	-141.1	293.8	292.3	7.8
1.0	15.0	0.0	0.0	0.0	-188.4	378.9	378.9	14.5
0.8	15.0	0.0	4.0	0.0	-133.1	277.8	276.3	4.2
1.0	15.0	7.0	0.0	0.0	-158.4	328.4	326.9	8.6
1.0	15.0	4.0	0.0	0.0	-136.2	284.0	282.4	4.9
1.0	15.0	0.0	0.0	0.0	-155.7	313.5	313.4	7.1
1.0	15.0	0.0	0.0	0.0	-142.6	287.3	287.2	6.5
0.8	15.0	6.0	0.0	0.0	-187.5	386.5	385.0	15.4
1.0	15.0	6.0	0.0	0.0	-163.5	338.6	337.1	8.9
1.0	15.0	0.0	0.0	0.0	-171.7	345.4	345.4	10.2
1.0	15.0	0.0	1.0	0.0	-123.8	249.6	249.5	4.7
1.0	15.0	2.0	0.0	0.0	-113.5	238.6	237.0	3.9
1.0	15.0	2.0	0.0	0.0	-113.0	237.6	236.0	3.2
1.0	15.0	0.0	0.0	0.0	-149.6	301.4	301.3	6.6
1.0	15.0	0.0	1.0	0.0	-164.1	339.6	338.1	10.3
1.0	15.0	1.0	3.0	0.0	-210.1	431.8	430.3	30.2
0.6	15.0	1.0	3.0	0.0	-162.6	345.2	341.2	17.7
1.0	15.0	0.0	5.0	0.0	-164.7	340.9	339.4	13.3
1.0	15.0	0.0	2.0	0.0	-124.7	260.9	259.3	4.2
1.0	15.0	0.0	0.0	0.0	-62.3	126.6	126.5	0.8
1.0	15.0	1.0	0.0	0.0	-75.8	163.2	161.7	1.6
1.0	15.0	1.0	1.0	0.0	-156.6	324.7	323.1	10.3
1.0	15.0	0.0	5.0	0.0	-148.6	308.8	307.2	6.6
1.0	15.0	2.0	0.0	0.0	-128.1	276.3	272.3	6.1
1.0	15.0	5.0	0.0	0.0	-151.6	314.8	313.3	19.4
1.0	15.0	0.0	1.0	0.0	-167.8	347.0	345.5	9.6
1.0	15.0	0.0	4.0	0.0	-128.6	268.8	267.3	4.3
1.0	15.0	3.0	0.0	0.0	-168.4	348.4	346.9	25.5
1.0	15.0	3.0	0.0	0.0	-152.8	317.2	315.6	17.7
1.0	15.0	0.0	1.0	0.0	-144.2	290.4	290.3	12.5
1.0	15.0	0.0	1.0	0.0	-125.1	261.8	260.3	3.9
1.0	15.0	2.0	0.0	0.0	-155.7	323.0	321.5	10.5
1.0	15.0	2.0	0.0	0.0	-141.8	295.1	293.6	10.8
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.6	4.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-125.2	261.8	260.3	3.7
1.0	15.0	2.0	2.0	0.0	-158.4	336.9	332.9	9.1
1.0	15.0	1.0	1.0	0.0	-118.5	257.0	253.0	4.2
1.0	15.0	0.0	2.0	0.0	-141.0	293.6	292.1	5.4
1.0	15.0	0.0	0.0	0.0	-116.6	235.2	235.2	3.9
0.9	15.0	2.0	0.0	0.0	-106.6	224.7	223.2	2.2
1.0	15.0	2.0	0.0	0.0	-93.5	198.4	196.9	1.2
1.0	15.0	0.0	0.0	0.0	-167.6	337.2	337.1	10.5
1.0	15.0	0.0	1.0	0.0	-102.9	217.3	215.8	1.8
1.0	15.0	0.0	0.0	0.0	-100.6	203.3	203.3	3.9
1.0	15.0	1.0	0.0	0.0	-97.1	205.7	204.1	1.2
1.0	15.0	0.0	1.0	0.0	-166.2	344.0	342.4	9.3
1.0	15.0	0.0	2.0	0.0	-117.2	245.9	244.4	3.0
1.0	15.0	2.0	0.0	0.0	-147.4	306.4	304.9	7.1
1.0	15.0	2.0	0.0	0.0	-130.2	271.9	270.4	7.0
1.0	15.0	0.0	0.0	0.0	-127.5	257.2	257.1	4.2
1.0	15.0	0.0	2.0	0.0	-116.1	243.8	242.2	3.5
1.0	15.0	2.0	1.0	0.0	-165.5	351.0	347.0	12.6
0.6	15.0	2.0	0.0	0.0	-146.4	312.7	308.7	7.4
1.0	15.0	0.0	1.0	0.0	-165.2	332.6	332.5	13.5
1.0	15.0	0.0	1.0	0.0	-126.7	264.9	263.3	3.8
1.0	15.0	0.0	0.0	0.0	-118.3	238.8	238.7	3.5
0.6	15.0	1.0	0.0	0.0	-102.0	215.5	214.0	1.9
1.0	15.0	0.0	1.0	0.0	-160.7	333.0	331.4	8.6
1.0	15.0	0.0	4.0	0.0	-155.7	323.0	321.4	13.0
1.0	15.0	2.0	4.0	0.0	-159.2	338.5	334.5	9.6
1.0	15.0	2.0	1.0	0.0	-163.8	347.7	343.7	13.9
1.0	15.0	0.0	1.0	0.0	-152.0	315.5	314.0	6.8
1.0	15.0	0.0	6.0	0.0	-164.1	339.7	338.2	15.6
1.0	15.0	0.0	0.0	0.0	-77.5	157.1	157.1	1.4
1.0	15.0	4.0	0.0	0.0	-151.4	314.3	312.7	10.7
1.0	15.0	0.0	6.0	0.0	-177.5	366.6	365.1	18.5
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.0	5.9
1.0	15.0	4.0	0.0	0.0	-156.1	323.7	322.1	7.5
0.8	15.0	3.0	0.0	0.0	-154.0	319.5	318.0	7.5
1.0	15.0	0.0	0.0	0.0	-149.3	300.7	300.6	7.0
1.0	15.0	1.0	0.0	0.0	-145.1	310.2	306.2	9.9
1.0	15.0	3.0	2.0	0.0	-183.2	386.4	382.4	16.4
1.0	15.0	2.0	2.0	0.0	-152.6	325.2	321.2	10.3
1.0	15.0	0.0	1.0	0.0	-176.6	364.8	363.3	11.5
1.0	15.0	0.0	0.0	0.0	-114.4	230.9	230.8	3.0
1.0	15.0	2.0	0.0	0.0	-80.6	172.7	171.2	1.1
1.0	15.0	3.0	0.0	0.0	-70.6	152.8	151.2	0.9
0.7	15.0	0.0	4.0	0.0	-123.4	266.8	262.8	4.6
1.0	15.0	0.0	2.0	0.0	-123.6	258.7	257.1	5.3
1.0	15.0	3.0	0.0	0.0	-127.0	265.6	264.1	15.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-134.1	279.7	278.1	16.4
1.0	15.0	0.0	1.0	0.0	-158.6	319.4	319.3	8.9
1.0	15.0	0.0	1.0	0.0	-135.2	281.9	280.4	4.6
1.0	15.0	1.0	0.0	0.0	-146.6	304.8	303.3	7.9
1.0	15.0	1.0	0.0	0.0	-137.4	286.4	284.9	7.1
1.0	15.0	0.0	0.0	0.0	-136.9	276.0	275.9	5.0
1.0	15.0	0.0	0.0	0.0	-120.7	243.5	243.4	4.1
1.0	15.0	2.0	0.0	0.0	-164.9	341.4	339.9	10.4
1.0	15.0	1.0	0.0	0.0	-136.0	283.5	281.9	5.2
1.0	15.0	0.0	0.0	0.0	-160.0	322.1	322.0	8.1
1.0	15.0	0.0	3.0	0.0	-113.8	239.1	237.6	3.3
1.0	15.0	1.0	1.0	0.0	-148.3	308.1	306.5	6.6
1.0	15.0	2.0	0.0	0.0	-137.4	286.4	284.9	5.6
1.0	15.0	0.0	1.0	0.0	-135.2	282.0	280.4	4.7
1.0	15.0	0.0	3.0	0.0	-135.7	282.9	281.3	4.8
1.0	15.0	0.0	1.0	0.0	-105.2	212.5	212.4	4.7
1.0	15.0	3.0	0.0	0.0	-115.3	242.2	240.6	5.1
1.0	15.0	0.0	1.0	0.0	-165.4	342.2	340.7	9.2
1.0	15.0	0.0	2.0	0.0	-112.0	235.6	234.1	2.8
1.0	15.0	2.0	0.0	0.0	-77.3	166.1	164.5	0.9
1.0	15.0	2.0	0.0	0.0	-87.2	185.9	184.3	9.4
1.0	15.0	0.0	1.0	0.0	-132.3	276.2	274.6	5.7
1.0	15.0	0.0	2.0	0.0	-130.6	272.7	271.1	5.2
1.0	15.0	0.0	0.0	0.0	-96.3	194.6	194.5	3.5
1.0	15.0	2.0	0.0	0.0	-114.9	241.4	239.8	8.5
1.0	15.0	0.0	2.0	0.0	-170.5	352.6	351.1	11.0
1.0	15.0	0.0	3.0	0.0	-129.3	270.1	268.6	4.7
1.0	15.0	0.0	0.0	0.0	-61.0	124.2	124.1	0.9
1.0	15.0	2.0	0.0	0.0	-67.8	147.2	145.7	1.0
1.0	15.0	0.0	1.0	0.0	-156.6	324.6	323.1	10.9
1.0	15.0	0.0	1.0	0.0	-107.8	227.2	225.7	2.3
1.0	15.0	0.0	0.0	0.0	-88.0	178.1	178.0	1.7
0.5	15.0	1.0	0.0	0.0	-97.6	206.8	205.2	6.8
1.0	15.0	0.0	1.0	0.0	-154.5	320.6	319.0	7.8
1.0	15.0	0.0	2.0	0.0	-133.7	278.9	277.4	4.5
1.0	15.0	3.0	0.0	0.0	-162.6	336.7	335.2	9.9
1.0	15.0	3.0	0.0	0.0	-115.6	242.8	241.2	3.7
1.0	15.0	0.0	0.0	0.0	-154.8	311.7	311.6	7.6
0.8	15.0	0.0	3.0	0.0	-149.0	309.5	308.0	9.4
1.0	15.0	1.0	0.0	0.0	-150.7	303.5	303.4	9.5
1.0	15.0	3.0	0.0	0.0	-150.0	320.1	316.1	10.2
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	12.6
0.6	15.0	0.0	6.0	0.0	-133.7	287.6	283.5	5.4
1.0	15.0	0.0	3.0	0.0	-198.9	409.4	407.8	37.7
1.0	15.0	3.0	0.0	0.0	-162.4	345.0	340.9	23.0
1.0	15.0	0.0	4.0	0.0	-154.5	320.5	319.0	9.6



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-139.0	289.5	288.0	6.2
1.0	15.0	0.0	0.0	0.0	-121.5	245.2	245.1	3.4
1.0	15.0	1.0	0.0	0.0	-114.8	241.2	239.7	3.8
1.0	15.0	0.0	4.0	0.0	-163.7	338.9	337.3	12.3
1.0	15.0	0.0	4.0	0.0	-114.0	239.5	238.0	3.3
0.6	15.0	0.0	2.0	0.0	-76.0	163.6	162.1	0.9
1.0	15.0	3.0	0.0	0.0	-94.6	209.2	205.2	5.8
0.8	15.0	0.0	5.0	0.0	-121.1	253.8	252.2	4.2
1.0	15.0	0.0	4.0	0.0	-146.7	304.9	303.3	6.7
1.0	15.0	2.0	0.0	0.0	-116.7	245.0	243.4	3.8
0.9	15.0	4.0	0.0	0.0	-113.7	239.0	237.5	3.3
1.0	15.0	0.0	3.0	0.0	-167.3	346.1	344.6	10.7
1.0	15.0	0.0	4.0	0.0	-130.8	273.2	271.6	6.0
1.0	15.0	0.0	0.0	0.0	-80.5	163.1	163.0	1.9
1.0	15.0	3.0	0.0	0.0	-68.0	147.5	146.0	0.8
1.0	15.0	0.0	3.0	0.0	-153.2	317.9	316.3	8.6
1.0	15.0	0.0	3.0	0.0	-129.1	269.7	268.2	4.1
0.9	15.0	3.0	1.0	0.0	-112.1	244.3	240.3	3.5
1.0	15.0	3.0	0.0	0.0	-108.7	228.9	227.4	3.5
1.0	15.0	0.0	2.0	0.0	-151.5	314.5	312.9	6.7
0.7	15.0	0.0	2.0	0.0	-152.8	307.8	307.7	7.9
0.4	15.0	3.0	1.0	0.0	-194.6	409.2	405.2	38.9
0.9	15.0	1.0	1.0	0.0	-163.2	346.4	342.4	18.6
1.0	15.0	0.0	1.0	0.0	-178.8	359.7	359.6	21.2
1.0	15.0	0.0	2.0	0.0	-125.5	262.6	261.1	4.0
1.0	15.0	0.0	0.0	0.0	-64.2	130.5	130.4	1.0
1.0	15.0	3.0	0.0	0.0	-68.4	148.3	146.8	0.6
0.9	15.0	0.0	4.0	0.0	-163.6	338.7	337.2	9.0
1.0	15.0	0.0	2.0	0.0	-151.9	315.3	313.7	8.9
1.0	15.0	0.0	0.0	0.0	-81.6	165.3	165.2	2.1
1.0	15.0	4.0	0.0	0.0	-115.5	242.5	241.0	5.9
1.0	15.0	0.0	2.0	0.0	-196.2	403.9	402.3	19.6
0.5	15.0	0.0	4.0	0.0	-142.9	305.8	301.8	8.3
1.0	15.0	4.0	0.0	0.0	-133.8	287.7	283.7	8.4
0.9	15.0	4.0	0.0	0.0	-143.0	306.1	302.1	12.0
1.0	15.0	0.0	1.0	0.0	-182.3	366.7	366.6	16.0
0.9	15.0	0.0	1.0	0.0	-130.3	280.6	276.6	4.4
1.0	15.0	2.0	0.0	0.0	-131.4	282.7	278.7	8.7
1.0	15.0	2.0	0.0	0.0	-130.7	281.4	277.4	10.2
1.0	15.0	0.0	2.0	0.0	-144.2	299.9	298.4	7.5
1.0	15.0	0.0	1.0	0.0	-142.9	297.4	295.8	5.2
1.0	15.0	2.0	0.0	0.0	-144.5	300.6	299.1	7.0
1.0	15.0	2.0	0.0	0.0	-141.4	294.3	292.7	6.8
1.0	15.0	0.0	0.0	0.0	-138.0	278.1	278.0	5.0
1.0	15.0	0.0	2.0	0.0	-121.8	255.1	253.6	3.4
1.0	15.0	2.0	0.0	0.0	-154.7	320.9	319.4	7.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-115.5	242.5	240.9	3.4
1.0	15.0	0.0	0.0	0.0	-147.4	297.0	296.9	6.8
1.0	15.0	0.0	2.0	0.0	-130.5	272.4	270.9	4.7
0.5	15.0	4.0	1.0	0.0	-152.2	324.3	320.3	6.9
0.8	15.0	2.0	0.0	0.0	-147.7	315.4	311.4	6.2
1.0	15.0	0.0	0.0	0.0	-141.6	285.3	285.2	5.6
1.0	15.0	0.0	0.0	0.0	-156.7	315.5	315.4	8.7
0.9	15.0	3.0	1.0	0.0	-205.2	430.4	426.4	35.4
1.0	15.0	3.0	1.0	0.0	-172.1	364.1	360.1	24.5
0.9	15.0	0.0	1.0	0.0	-154.5	320.6	319.1	11.5
1.0	15.0	0.0	0.0	0.0	-141.7	285.6	285.5	6.1
1.0	15.0	2.0	0.0	0.0	-118.6	257.2	253.2	6.8
1.0	15.0	2.0	0.0	0.0	-116.5	253.0	249.0	6.2
1.0	15.0	0.0	0.0	0.0	-171.6	345.4	345.3	10.5
1.0	15.0	0.0	1.0	0.0	-146.3	304.1	302.6	5.9
1.0	15.0	2.0	0.0	0.0	-130.0	280.0	276.0	9.9
0.5	15.0	2.0	0.0	0.0	-118.6	257.2	253.2	7.0
1.0	15.0	0.0	2.0	0.0	-155.3	322.1	320.5	7.3
1.0	15.0	0.0	1.0	0.0	-147.9	297.9	297.8	6.7
1.0	15.0	2.0	0.0	0.0	-132.2	276.0	274.4	7.0
1.0	15.0	2.0	0.0	0.0	-122.7	256.9	255.4	5.7
1.0	15.0	0.0	0.0	0.0	-154.6	311.4	311.3	6.6
1.0	15.0	0.0	2.0	0.0	-116.4	244.4	242.8	3.1
0.8	15.0	2.0	0.0	0.0	-163.4	338.3	336.7	10.4
1.0	15.0	2.0	0.0	0.0	-121.0	253.5	252.0	4.4
1.0	15.0	0.0	0.0	0.0	-157.3	316.7	316.6	7.7
1.0	15.0	0.0	2.0	0.0	-140.1	291.6	290.1	5.5
1.0	15.0	0.0	1.0	0.0	-142.7	287.6	287.5	6.1
1.0	15.0	2.0	0.0	0.0	-115.0	241.6	240.1	2.9
1.0	15.0	0.0	0.0	0.0	-183.8	369.8	369.7	13.6
1.0	15.0	0.0	5.0	0.0	-143.3	298.1	296.6	5.6
1.0	15.0	0.0	1.0	0.0	-152.7	307.6	307.5	7.8
0.9	15.0	2.0	0.0	0.0	-118.0	247.6	246.0	3.9
1.0	15.0	0.0	1.0	0.0	-168.6	339.2	339.1	17.6
1.0	15.0	0.0	2.0	0.0	-106.9	225.3	223.8	2.5
1.0	15.0	0.0	0.0	0.0	-80.3	162.6	162.5	1.6
1.0	15.0	1.0	0.0	0.0	-70.5	152.6	151.1	0.9
0.9	15.0	0.0	1.0	0.0	-159.5	330.6	329.1	8.8
1.0	15.0	0.0	0.0	0.0	-143.3	288.7	288.6	7.1
1.0	15.0	3.0	0.0	0.0	-162.6	345.1	341.1	9.2
1.0	15.0	2.0	0.0	0.0	-127.3	274.5	270.5	5.5
1.0	15.0	0.0	0.0	0.0	-157.7	317.4	317.4	7.6
1.0	15.0	0.0	2.0	0.0	-145.5	302.5	300.9	6.1
1.0	15.0	2.0	0.0	0.0	-152.6	325.3	321.3	7.5
1.0	15.0	4.0	0.0	0.0	-150.4	312.4	310.8	8.4
1.0	15.0	0.0	1.0	0.0	-163.8	329.7	329.7	13.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-135.9	283.3	281.8	7.0
1.0	15.0	0.0	0.0	0.0	-78.1	158.4	158.3	2.0
1.0	15.0	1.0	0.0	0.0	-76.4	164.4	162.9	1.1
1.0	15.0	0.0	1.0	0.0	-132.5	276.5	274.9	4.8
1.0	15.0	2.0	0.0	0.0	-132.4	276.5	274.9	14.4
1.0	15.0	2.0	0.0	0.0	-162.8	337.3	335.7	10.5
1.0	15.0	0.0	1.0	0.0	-122.6	256.7	255.2	7.3
1.0	15.0	0.0	0.0	0.0	-136.9	275.8	275.7	4.8
1.0	15.0	1.0	0.0	0.0	-139.5	290.5	289.0	5.9
1.0	15.0	1.0	0.0	0.0	-109.2	230.0	228.4	2.4
1.0	15.0	0.0	1.0	0.0	-104.8	221.1	219.6	1.9
1.0	15.0	0.0	0.0	0.0	-154.5	311.2	311.1	8.0
1.0	15.0	2.0	0.0	0.0	-132.0	275.5	273.9	6.2
0.9	15.0	3.0	0.0	0.0	-115.1	241.7	240.2	5.2
1.0	15.0	0.0	0.0	0.0	-85.7	173.5	173.4	2.2
1.0	15.0	0.0	0.0	0.0	-136.6	275.3	275.2	4.6
1.0	15.0	0.0	1.0	0.0	-140.2	292.0	290.4	9.3
1.0	15.0	1.0	0.0	0.0	-165.9	343.4	341.8	11.0
1.0	15.0	1.0	0.0	0.0	-153.8	319.1	317.6	9.5
1.0	15.0	0.0	0.0	0.0	-170.6	343.2	343.1	12.4
1.0	15.0	0.0	0.0	0.0	-110.2	222.5	222.4	2.9
1.0	15.0	2.0	0.0	0.0	-147.7	306.9	305.4	5.9
1.0	15.0	2.0	0.0	0.0	-133.9	279.3	277.8	4.6
1.0	15.0	0.0	0.0	0.0	-134.7	271.5	271.5	5.8
1.0	15.0	0.0	0.0	0.0	-116.2	234.5	234.4	3.7
1.0	15.0	2.0	0.0	0.0	-171.6	354.7	353.1	11.9
1.0	15.0	1.0	0.0	0.0	-124.1	259.9	258.3	4.0
1.0	15.0	0.0	0.0	0.0	-137.1	276.4	276.3	6.3
1.0	15.0	0.0	8.0	0.0	-119.0	249.5	248.0	3.6
1.0	15.0	8.0	0.0	0.0	-143.8	299.1	297.5	6.0
1.0	15.0	8.0	0.0	0.0	-143.7	298.8	297.3	6.2
1.0	15.0	0.0	0.0	0.0	-134.9	272.0	271.9	5.8
1.0	15.0	0.0	6.0	0.0	-149.5	310.5	309.0	6.6
0.9	15.0	8.0	0.0	0.0	-202.3	424.6	420.6	21.6
0.9	15.0	7.0	0.0	0.0	-174.8	369.7	365.7	11.9
1.0	15.0	0.0	0.0	0.0	-159.6	321.3	321.2	8.2
0.9	15.0	0.0	8.0	0.0	-144.7	300.9	299.3	5.8
1.0	15.0	9.0	0.0	0.0	-159.1	329.8	328.2	9.3
1.0	15.0	9.0	0.0	0.0	-155.0	321.5	319.9	8.1
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	6.1
1.0	15.0	0.0	0.0	0.0	-164.6	331.4	331.3	8.5
0.9	15.0	8.0	0.0	0.0	-195.2	401.9	400.4	17.7
0.9	15.0	10.0	0.0	0.0	-161.7	334.8	333.3	10.3
1.0	15.0	0.0	0.0	0.0	-152.7	307.6	307.5	10.1
0.8	15.0	0.0	8.0	0.0	-143.0	297.5	295.9	5.8
1.0	15.0	8.0	0.0	0.0	-160.4	332.4	330.9	9.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	8.0	0.0	0.0	-155.0	321.6	320.1	8.4
1.0	15.0	0.0	0.0	0.0	-163.0	328.1	328.0	9.1
1.0	15.0	0.0	4.0	0.0	-132.8	277.2	275.7	6.2
1.0	15.0	8.0	0.0	0.0	-195.8	403.1	401.6	29.1
0.8	15.0	9.0	0.0	0.0	-170.7	353.0	351.5	18.4
1.0	15.0	0.0	0.0	0.0	-169.7	341.5	341.4	13.8
1.0	15.0	0.0	3.0	0.0	-122.1	255.7	254.1	4.8
1.0	15.0	2.0	1.0	0.0	-123.3	266.6	262.6	3.9
0.9	15.0	3.0	0.0	0.0	-137.1	285.7	284.1	12.6
1.0	15.0	0.0	1.0	0.0	-169.6	350.7	349.2	13.8
1.0	15.0	0.0	3.0	0.0	-129.9	271.3	269.7	4.8
1.0	15.0	0.0	2.0	0.0	-109.4	230.3	228.8	2.4
1.0	15.0	3.0	0.0	0.0	-108.4	228.4	226.9	3.3
1.0	15.0	0.0	1.0	0.0	-171.9	345.9	345.8	15.4
1.0	15.0	0.0	2.0	0.0	-123.6	258.7	257.2	3.5
1.0	15.0	0.0	0.0	0.0	-74.7	151.5	151.4	1.3
1.0	15.0	2.0	0.0	0.0	-84.7	181.0	179.5	3.0
1.0	15.0	0.0	2.0	0.0	-130.9	273.3	271.8	4.5
1.0	15.0	0.0	3.0	0.0	-126.1	263.7	262.2	3.9
0.5	15.0	3.0	0.0	0.0	-101.8	223.7	219.7	1.9
1.0	15.0	3.0	0.0	0.0	-116.2	243.9	242.4	5.2
1.0	15.0	0.0	1.0	0.0	-172.8	347.7	347.6	14.5
1.0	15.0	0.0	3.0	0.0	-136.5	284.5	283.0	5.1
1.0	15.0	0.0	0.0	0.0	-62.7	127.5	127.4	1.1
1.0	15.0	2.0	0.0	0.0	-68.8	149.0	147.5	0.9
1.0	15.0	0.0	1.0	0.0	-143.8	299.0	297.5	6.3
1.0	15.0	0.0	0.0	0.0	-113.9	230.0	229.9	3.4
1.0	15.0	1.0	0.0	0.0	-156.2	324.0	322.4	8.1
1.0	15.0	2.0	0.0	0.0	-115.5	242.5	241.0	3.4
1.0	15.0	0.0	0.0	0.0	-135.0	272.2	272.1	5.3
1.0	15.0	0.0	4.0	0.0	-125.8	263.2	261.6	4.6
1.0	15.0	1.0	1.0	0.0	-143.5	298.4	296.9	6.1
1.0	15.0	3.0	0.0	0.0	-139.3	298.6	294.6	6.8
1.0	15.0	0.0	1.0	0.0	-132.7	277.0	275.5	5.2
1.0	15.0	0.0	4.0	0.0	-136.1	283.8	282.3	5.0
1.0	15.0	4.0	2.0	0.0	-182.8	385.5	381.5	20.9
1.0	15.0	5.0	1.0	0.0	-155.3	330.6	326.6	9.8
1.0	15.0	0.0	2.0	0.0	-160.8	333.2	331.6	9.2
1.0	15.0	0.0	4.0	0.0	-153.7	319.0	317.5	7.2
1.0	15.0	0.0	1.0	0.0	-119.3	250.1	248.5	3.1
1.0	15.0	3.0	0.0	0.0	-128.3	268.1	266.5	6.7
1.0	15.0	0.0	1.0	0.0	-157.8	327.1	325.5	7.8
1.0	15.0	0.0	3.0	0.0	-135.5	282.5	281.0	8.3
1.0	15.0	0.0	0.0	0.0	-74.6	151.3	151.2	1.2
1.0	15.0	1.0	0.0	0.0	-99.0	209.6	208.1	7.7
1.0	15.0	0.0	3.0	0.0	-143.9	299.4	297.9	8.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-136.1	283.7	282.1	4.8
0.7	15.0	1.0	0.0	0.0	-110.8	241.6	237.6	4.6
1.0	15.0	2.0	0.0	0.0	-112.6	236.7	235.1	5.8
1.0	15.0	0.0	1.0	0.0	-170.2	352.0	350.5	10.5
1.0	15.0	0.0	4.0	0.0	-149.9	311.2	309.7	6.9
1.0	15.0	0.0	0.0	0.0	-71.6	145.3	145.2	1.4
1.0	15.0	1.0	0.0	0.0	-75.2	162.0	160.5	1.2
1.0	15.0	0.0	1.0	0.0	-176.8	365.2	363.6	16.6
1.0	15.0	0.0	1.0	0.0	-123.1	257.8	256.3	5.0
1.0	15.0	0.0	0.0	0.0	-87.0	176.0	176.0	2.5
1.0	15.0	1.0	0.0	0.0	-104.0	219.6	218.1	4.6
1.0	15.0	0.0	1.0	0.0	-142.0	295.5	294.0	5.9
1.0	15.0	0.0	0.0	0.0	-132.5	267.1	267.0	4.7
1.0	15.0	3.0	0.0	0.0	-136.7	284.9	283.4	6.4
1.0	15.0	4.0	0.0	0.0	-123.3	258.2	256.7	5.2
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.6	3.7
1.0	15.0	0.0	0.0	0.0	-143.1	288.2	288.1	6.1
1.0	15.0	3.0	0.0	0.0	-168.0	347.6	346.1	15.3
1.0	15.0	3.0	0.0	0.0	-139.3	290.1	288.5	13.5
1.0	15.0	0.0	0.0	0.0	-155.8	313.7	313.6	8.7
0.9	15.0	0.0	5.0	0.0	-122.8	265.6	261.6	4.4
1.0	15.0	5.0	0.0	0.0	-175.3	362.1	360.5	15.3
1.0	15.0	5.0	0.0	0.0	-151.7	315.0	313.5	12.3
1.0	15.0	0.0	0.0	0.0	-159.9	321.8	321.7	8.9
1.0	15.0	0.0	4.0	0.0	-132.1	275.8	274.3	7.5
1.0	15.0	2.0	2.0	0.0	-134.2	288.3	284.3	7.0
0.6	15.0	4.0	0.0	0.0	-152.9	325.9	321.9	13.7
0.9	15.0	0.0	2.0	0.0	-153.2	318.0	316.4	8.6
1.0	15.0	0.0	3.0	0.0	-126.8	265.1	263.5	4.4
1.0	15.0	0.0	3.0	0.0	-191.7	394.9	393.4	28.2
1.0	15.0	1.0	0.0	0.0	-136.2	292.3	288.3	8.4
1.0	15.0	0.0	5.0	0.0	-163.4	338.4	336.9	8.6
1.0	15.0	1.0	2.0	0.0	-152.2	315.9	314.3	7.4
1.0	15.0	0.0	2.0	0.0	-119.9	251.3	249.8	11.9
1.0	15.0	2.0	0.0	0.0	-148.5	308.5	306.9	16.4
1.0	15.0	0.0	4.0	0.0	-178.3	368.1	366.6	11.6
1.0	15.0	0.0	3.0	0.0	-126.3	264.1	262.6	7.4
1.0	15.0	0.0	0.0	0.0	-73.6	149.3	149.2	1.4
1.0	15.0	3.0	0.0	0.0	-102.3	216.2	214.7	9.1
0.9	15.0	0.0	5.0	0.0	-145.7	302.9	301.3	13.2
0.9	15.0	0.0	4.0	0.0	-153.0	317.5	316.0	7.7
1.0	15.0	0.0	1.0	0.0	-100.3	202.7	202.6	4.6
1.0	15.0	3.0	0.0	0.0	-142.9	297.4	295.8	19.2
1.0	15.0	0.0	4.0	0.0	-163.1	337.8	336.2	9.3
1.0	15.0	0.0	3.0	0.0	-126.1	263.7	262.1	6.0
1.0	15.0	0.0	0.0	0.0	-82.9	167.9	167.8	2.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-72.5	156.6	155.1	1.6
1.0	15.0	0.0	2.0	0.0	-161.1	333.8	332.2	10.2
1.0	15.0	0.0	5.0	0.0	-133.2	278.0	276.5	4.3
1.0	15.0	0.0	3.0	0.0	-116.5	244.6	243.1	3.1
1.0	15.0	3.0	0.0	0.0	-143.5	298.6	297.1	20.7
1.0	15.0	0.0	3.0	0.0	-161.3	334.1	332.5	8.6
1.0	15.0	0.0	2.0	0.0	-144.2	299.9	298.4	6.9
1.0	15.0	3.0	0.0	0.0	-165.5	342.4	340.9	9.7
1.0	15.0	2.0	0.0	0.0	-158.3	328.1	326.6	10.9
1.0	15.0	0.0	0.0	0.0	-179.0	360.1	360.0	11.5
0.9	15.0	0.0	3.0	0.0	-126.3	264.1	262.5	4.0
1.0	15.0	3.0	0.0	0.0	-138.5	288.6	287.1	6.0
1.0	15.0	3.0	0.0	0.0	-128.8	269.2	267.6	5.4
1.0	15.0	0.0	0.0	0.0	-168.3	338.7	338.6	10.9
1.0	15.0	0.0	2.0	0.0	-784.8	1579.8	1579.5	4.8
1.0	15.0	2.0	1.0	0.0	-1175.9	2368.4	2367.9	26.8
1.0	15.0	3.0	1.0	0.0	-996.0	2008.5	2008.0	19.4
1.0	15.0	0.0	2.0	0.0	-952.2	1914.5	1914.3	9.1
1.0	15.0	0.0	0.0	0.0	-886.3	1774.7	1774.6	7.3
1.0	15.0	2.0	0.0	0.0	-760.9	1532.1	1531.9	5.8
1.0	15.0	1.0	0.0	0.0	-732.1	1474.4	1474.1	5.1
1.0	15.0	0.0	2.0	0.0	-1046.9	2104.0	2103.7	11.4
1.0	15.0	0.0	2.0	0.0	-752.8	1515.9	1515.7	7.1
0.9	15.0	2.0	0.0	0.0	-508.4	1027.1	1026.8	1.6
1.0	15.0	1.0	0.0	0.0	-636.0	1282.2	1282.0	13.0
1.0	15.0	0.0	3.0	0.0	-926.1	1862.4	1862.1	14.1
1.0	15.0	0.0	2.0	0.0	-829.0	1668.2	1668.0	6.1
1.0	15.0	2.0	0.0	0.0	-714.0	1438.3	1438.1	4.5
1.0	15.0	2.0	0.0	0.0	-776.9	1564.1	1563.8	10.8
1.0	15.0	0.0	2.0	0.0	-993.2	1996.5	1996.3	10.2
1.0	15.0	0.0	1.0	0.0	-901.8	1813.7	1813.5	9.1
1.0	15.0	0.0	0.0	0.0	-653.9	1309.9	1309.9	3.9
1.0	15.0	2.0	0.0	0.0	-510.0	1030.2	1029.9	4.0
1.0	15.0	0.0	1.0	0.0	-1003.8	2017.8	2017.6	13.4
1.0	15.0	0.0	3.0	0.0	-811.8	1633.9	1633.6	6.1
1.0	15.0	3.0	0.0	0.0	-765.2	1546.9	1546.3	5.6
1.0	15.0	4.0	0.0	0.0	-891.7	1799.9	1799.3	17.3
1.0	15.0	0.0	3.0	0.0	-973.3	1956.9	1956.7	9.4
1.0	15.0	0.0	1.0	0.0	-563.4	1137.1	1136.7	6.2
1.0	15.0	0.0	1.0	0.0	-607.7	1217.5	1217.5	8.5
1.0	15.0	1.0	0.0	0.0	-525.1	1060.5	1060.1	5.7
1.0	15.0	0.0	1.0	0.0	-587.1	1184.5	1184.1	7.6
1.0	15.0	0.0	3.0	0.0	-566.8	1143.9	1143.5	6.7
1.0	15.0	3.0	1.0	0.0	-766.1	1549.1	1548.3	27.8
1.0	15.0	3.0	1.0	0.0	-687.8	1392.4	1391.5	19.7
1.0	15.0	0.0	1.0	0.0	-647.2	1304.8	1304.4	10.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	1.0	0.0	-547.3	1104.9	1104.6	5.4
1.0	15.0	2.0	0.0	0.0	-460.6	931.6	931.2	3.9
1.0	15.0	2.0	0.0	0.0	-444.0	898.3	898.0	3.4
1.0	15.0	0.0	2.0	0.0	-620.4	1251.1	1250.8	8.3
1.0	15.0	0.0	2.0	0.0	-525.1	1060.5	1060.2	8.0
1.0	15.0	3.0	0.0	0.0	-326.8	664.0	663.6	1.3
1.0	15.0	2.0	0.0	0.0	-407.5	825.3	825.0	7.7
1.0	15.0	0.0	4.0	0.0	-576.3	1162.9	1162.6	9.0
1.0	15.0	0.0	2.0	0.0	-518.7	1047.8	1047.4	4.4
1.0	15.0	2.0	0.0	0.0	-450.2	910.8	910.5	4.2
1.0	15.0	2.0	0.0	0.0	-469.1	948.6	948.2	4.8
1.0	15.0	0.0	2.0	0.0	-691.1	1392.6	1392.3	11.5
1.0	15.0	0.0	1.0	0.0	-575.2	1160.7	1160.4	7.4
0.7	15.0	2.0	0.0	0.0	-332.4	681.6	680.8	4.0
1.0	15.0	2.0	0.0	0.0	-331.1	672.6	672.3	2.7
1.0	15.0	0.0	1.0	0.0	-597.8	1206.0	1205.6	9.3
1.0	15.0	0.0	3.0	0.0	-245.7	502.1	501.3	3.5
1.0	15.0	3.0	0.0	0.0	-235.6	489.0	487.2	4.2
1.0	15.0	3.0	0.0	0.0	-239.1	489.0	488.3	7.9
1.0	15.0	0.0	3.0	0.0	-303.1	616.9	616.2	7.5
1.0	15.0	0.0	2.0	0.0	-760.8	1531.8	1531.5	4.7
1.0	15.0	4.0	1.0	0.0	-1102.9	2222.3	2221.7	21.8
1.0	15.0	3.0	1.0	0.0	-934.9	1886.3	1885.8	11.4
1.0	15.0	0.0	1.0	0.0	-898.6	1807.5	1807.3	9.8
1.0	15.0	1.0	1.0	0.0	-843.0	1696.3	1696.1	5.8
1.0	15.0	2.0	0.0	0.0	-821.7	1653.7	1653.5	8.7
1.0	15.0	1.0	0.0	0.0	-766.9	1544.0	1543.7	10.8
1.0	15.0	0.0	3.0	0.0	-1054.1	2118.4	2118.1	12.3
1.0	15.0	0.0	2.0	0.0	-711.2	1432.6	1432.4	4.1
1.0	15.0	2.0	0.0	0.0	-459.3	928.9	928.7	2.1
1.0	15.0	2.0	0.0	0.0	-579.7	1169.6	1169.4	8.5
1.0	15.0	0.0	4.0	0.0	-875.0	1760.3	1760.1	6.5
1.0	15.0	0.0	1.0	0.0	-910.3	1830.8	1830.6	8.5
1.0	15.0	1.0	0.0	0.0	-716.4	1443.0	1442.7	7.0
1.0	15.0	2.0	0.0	0.0	-756.3	1522.8	1522.5	8.6
1.0	15.0	0.0	1.0	0.0	-1048.3	2106.9	2106.7	13.4
1.0	15.0	0.0	1.0	0.0	-836.2	1682.7	1682.4	6.0
1.0	15.0	3.0	0.0	0.0	-475.4	967.3	966.8	1.1
1.0	15.0	1.0	0.0	0.0	-492.8	995.8	995.5	2.3
1.0	15.0	0.0	1.0	0.0	-926.1	1862.4	1862.1	8.6
1.0	15.0	0.0	3.0	0.0	-791.9	1593.9	1593.7	4.6
1.0	15.0	3.0	0.0	0.0	-810.0	1636.6	1636.0	5.5
1.0	15.0	4.0	0.0	0.0	-832.2	1681.0	1680.5	12.0
1.0	15.0	0.0	2.0	0.0	-1004.5	2019.3	2019.0	10.1
1.0	15.0	0.0	2.0	0.0	-116.2	244.0	242.4	3.2
1.0	15.0	4.0	0.0	0.0	-135.9	283.3	281.8	4.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-140.6	292.8	291.3	7.0
1.0	15.0	0.0	0.0	0.0	-150.1	302.2	302.1	7.1
1.0	15.0	2.0	0.0	0.0	-140.6	292.7	291.1	7.3
1.0	15.0	3.0	2.0	0.0	-184.0	387.9	383.9	24.2
1.0	15.0	2.0	2.0	0.0	-148.9	317.8	313.8	11.1
1.0	15.0	0.0	0.0	0.0	-172.4	346.9	346.8	12.2
0.8	15.0	0.0	3.0	0.0	-130.7	272.9	271.4	4.0
1.0	15.0	4.0	0.0	0.0	-151.8	315.1	313.6	19.2
1.0	15.0	4.0	0.0	0.0	-171.8	355.2	353.7	53.8
1.0	15.0	0.0	0.0	0.0	-175.4	352.9	352.8	11.6
1.0	15.0	0.0	0.0	0.0	-136.8	275.7	275.6	4.6
1.0	15.0	3.0	0.0	0.0	-152.9	317.2	315.7	19.5
1.0	15.0	2.0	0.0	0.0	-132.0	283.9	279.9	5.7
1.0	15.0	0.0	0.0	0.0	-160.8	323.7	323.6	7.8
1.0	15.0	0.0	1.0	0.0	-115.6	242.7	241.1	3.3
1.0	15.0	0.0	1.0	0.0	-162.2	335.9	334.4	10.2
0.5	15.0	1.0	0.0	0.0	-143.6	307.2	303.2	8.0
1.0	15.0	0.0	1.0	0.0	-149.2	310.0	308.4	7.3
1.0	15.0	0.0	2.0	0.0	-125.6	262.6	261.1	6.4
0.5	15.0	0.0	2.0	0.0	-75.3	162.2	160.7	0.7
1.0	15.0	1.0	0.0	0.0	-93.5	198.5	196.9	8.1
1.0	15.0	0.0	2.0	0.0	-161.4	334.4	332.9	12.1
1.0	15.0	0.0	1.0	0.0	-130.0	271.6	270.1	4.6
1.0	15.0	0.0	0.0	0.0	-86.2	174.5	174.4	2.1
0.7	15.0	1.0	0.0	0.0	-109.6	230.7	229.2	8.7
1.0	15.0	0.0	1.0	0.0	-158.0	327.6	326.0	8.5
1.0	15.0	0.0	1.0	0.0	-121.2	253.9	252.4	3.4
1.0	15.0	0.0	0.0	0.0	-120.1	242.3	242.2	4.4
1.0	15.0	1.0	0.0	0.0	-104.9	221.4	219.9	2.0
1.0	15.0	0.0	1.0	0.0	-167.8	337.7	337.7	13.3
1.0	15.0	0.0	2.0	0.0	-137.5	286.5	285.0	9.1
1.0	15.0	0.0	1.0	0.0	-158.1	318.2	318.1	9.0
1.0	15.0	2.0	0.0	0.0	-132.8	277.2	275.7	6.0
1.0	15.0	0.0	1.0	0.0	-151.9	315.2	313.7	8.6
1.0	15.0	0.0	2.0	0.0	-126.9	265.4	263.8	4.4
1.0	15.0	0.0	2.0	0.0	-183.6	378.7	377.1	23.8
1.0	15.0	2.0	1.0	0.0	-155.9	331.8	327.8	8.6
1.0	15.0	0.0	2.0	0.0	-156.4	324.4	322.9	7.6
1.0	15.0	0.0	2.0	0.0	-134.9	281.3	279.8	5.3
1.0	15.0	0.0	2.0	0.0	-76.0	163.5	161.9	0.8
1.0	15.0	2.0	0.0	0.0	-81.2	174.0	172.5	3.8
1.0	15.0	0.0	2.0	0.0	-140.8	293.0	291.5	7.2
1.0	15.0	0.0	2.0	0.0	-141.1	293.8	292.3	7.8
1.0	15.0	0.0	2.0	0.0	-101.4	214.3	212.8	1.6
1.0	15.0	2.0	0.0	0.0	-114.8	241.1	239.5	6.6
1.0	15.0	0.0	2.0	0.0	-167.5	346.6	345.1	13.6



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-123.9	259.4	257.9	4.2
0.9	15.0	2.0	1.0	0.0	-113.7	247.4	243.4	3.4
1.0	15.0	1.0	0.0	0.0	-132.4	276.3	274.8	11.8
1.0	15.0	0.0	1.0	0.0	-167.4	346.4	344.8	9.3
1.0	15.0	0.0	2.0	0.0	-118.7	249.0	247.5	4.0
1.0	15.0	1.0	0.0	0.0	-183.5	369.2	369.1	17.9
1.0	15.0	2.0	0.0	0.0	-134.9	281.4	279.8	9.4
1.0	15.0	0.0	1.0	0.0	-159.8	321.7	321.6	9.9
1.0	15.0	0.0	2.0	0.0	-118.1	247.8	246.3	3.9
1.0	15.0	1.0	0.0	0.0	-185.7	373.5	373.4	15.1
1.0	15.0	2.0	0.0	0.0	-144.4	300.4	298.9	8.0
1.0	15.0	0.0	1.0	0.0	-164.1	330.3	330.3	12.5
1.0	15.0	0.0	2.0	0.0	-120.6	252.7	251.2	3.6
1.0	15.0	2.0	0.0	0.0	-107.3	226.1	224.5	2.6
1.0	15.0	2.0	0.0	0.0	-104.7	220.9	219.3	2.5
1.0	15.0	0.0	1.0	0.0	-150.2	311.9	310.3	6.8
1.0	15.0	0.0	1.0	0.0	-112.9	237.4	235.8	3.2
1.0	15.0	0.0	0.0	0.0	-101.2	204.5	204.4	4.4
0.8	15.0	1.0	0.0	0.0	-89.4	190.3	188.8	2.8
1.0	15.0	0.0	1.0	0.0	-147.7	306.9	305.4	6.0
1.0	15.0	0.0	0.0	0.0	-126.2	254.5	254.4	3.8
1.0	15.0	2.0	0.0	0.0	-143.7	298.9	297.4	7.4
1.0	15.0	1.0	0.0	0.0	-113.4	238.3	236.7	3.3
1.0	15.0	0.0	0.0	0.0	-149.3	300.8	300.7	7.1
0.5	15.0	0.0	1.0	0.0	-125.1	261.8	260.3	4.4
0.6	15.0	1.0	0.0	0.0	-138.9	289.4	287.8	8.3
0.7	15.0	1.0	0.0	0.0	-129.4	270.4	268.8	8.0
1.0	15.0	0.0	0.0	0.0	-151.2	304.4	304.3	6.5
1.0	15.0	0.0	3.0	0.0	-121.7	255.0	253.4	3.7
0.7	15.0	2.0	1.0	0.0	-137.3	294.7	290.7	6.4
0.7	15.0	2.0	0.0	0.0	-133.9	287.7	283.7	10.5
1.0	15.0	0.0	1.0	0.0	-144.6	291.3	291.2	9.1
1.0	15.0	0.0	3.0	0.0	-114.8	241.1	239.6	4.1
1.0	15.0	3.0	1.0	0.0	-151.4	322.9	318.9	9.7
1.0	15.0	2.0	0.0	0.0	-116.3	252.7	248.7	4.9
1.0	15.0	0.0	1.0	0.0	-164.1	330.3	330.2	14.9
1.0	15.0	0.0	3.0	0.0	-127.5	266.5	264.9	4.1
1.0	15.0	0.0	0.0	0.0	-111.6	225.3	225.2	2.9
1.0	15.0	3.0	0.0	0.0	-106.0	223.5	221.9	2.1
1.0	15.0	0.0	0.0	0.0	-167.4	336.9	336.8	10.1
1.0	15.0	0.0	2.0	0.0	-123.5	258.6	257.1	4.6
1.0	15.0	0.0	0.0	0.0	-80.4	162.9	162.9	1.4
1.0	15.0	1.0	0.0	0.0	-80.9	173.3	171.7	2.3
1.0	15.0	0.0	1.0	0.0	-134.3	280.2	278.7	5.7
1.0	15.0	0.0	2.0	0.0	-126.1	263.7	262.1	3.8
0.9	15.0	2.0	0.0	0.0	-102.5	216.5	214.9	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-109.3	230.1	228.6	4.5
1.0	15.0	0.0	0.0	0.0	-178.4	358.8	358.7	13.3
1.0	15.0	0.0	1.0	0.0	-124.7	261.0	259.5	3.7
1.0	15.0	0.0	0.0	0.0	-105.9	214.0	213.9	3.2
1.0	15.0	1.0	0.0	0.0	-115.0	241.5	240.0	7.9
1.0	15.0	0.0	1.0	0.0	-160.8	323.6	323.5	9.9
1.0	15.0	0.0	0.0	0.0	-124.9	251.9	251.8	5.1
0.5	15.0	2.0	1.0	0.0	-166.0	352.2	348.1	20.4
0.9	15.0	1.0	1.0	0.0	-131.4	274.4	272.8	12.0
1.0	15.0	0.0	1.0	0.0	-176.5	355.1	355.0	12.4
1.0	15.0	1.0	0.0	0.0	-139.6	281.3	281.2	11.0
0.9	15.0	1.0	1.0	0.0	-178.5	368.7	367.1	38.5
0.9	15.0	1.0	1.0	0.0	-138.4	296.8	292.7	19.9
1.0	15.0	0.0	1.0	0.0	-167.0	336.0	336.0	14.0
1.0	15.0	0.0	0.0	0.0	-111.4	225.0	224.9	3.7
0.9	15.0	2.0	0.0	0.0	-105.3	230.5	226.5	5.0
0.8	15.0	2.0	0.0	0.0	-103.0	217.5	216.0	4.5
1.0	15.0	0.0	1.0	0.0	-154.9	312.0	311.9	9.8
1.0	15.0	0.0	0.0	0.0	-127.3	256.6	256.5	4.3
1.0	15.0	2.0	0.0	0.0	-151.8	315.1	313.6	8.3
1.0	15.0	2.0	0.0	0.0	-137.9	287.3	285.7	5.8
1.0	15.0	0.0	0.0	0.0	-155.0	312.0	311.9	9.8
1.0	15.0	0.0	4.0	0.0	-127.6	266.7	265.2	5.0
1.0	15.0	3.0	2.0	0.0	-163.5	346.9	342.9	18.0
1.0	15.0	3.0	0.0	0.0	-165.8	351.6	347.6	15.8
1.0	15.0	0.0	0.0	0.0	-157.8	317.7	317.6	8.5
1.0	15.0	0.0	3.0	0.0	-134.0	279.6	278.0	4.5
1.0	15.0	3.0	0.0	0.0	-122.5	264.9	260.9	7.4
0.9	15.0	3.0	0.0	0.0	-112.2	244.3	240.3	4.2
1.0	15.0	0.0	2.0	0.0	-149.0	309.5	307.9	9.1
1.0	15.0	0.0	1.0	0.0	-134.1	279.8	278.3	4.8
1.0	15.0	0.0	0.0	0.0	-73.3	148.7	148.6	1.4
1.0	15.0	2.0	0.0	0.0	-73.0	157.5	155.9	0.9
1.0	15.0	1.0	0.0	0.0	-145.4	292.9	292.8	6.9
1.0	15.0	0.0	2.0	0.0	-105.4	222.2	220.7	2.0
0.9	15.0	2.0	0.0	0.0	-148.9	317.7	313.7	7.5
1.0	15.0	2.0	0.0	0.0	-133.1	277.8	276.2	5.8
1.0	15.0	0.0	0.0	0.0	-144.4	290.8	290.7	6.6
1.0	15.0	0.0	0.0	0.0	-141.4	284.9	284.8	7.2
0.7	15.0	1.0	0.0	0.0	-175.1	370.3	366.2	15.2
1.0	15.0	2.0	0.0	0.0	-131.0	273.7	272.1	5.0
1.0	15.0	0.0	0.0	0.0	-147.4	296.8	296.7	8.2
1.0	15.0	0.0	0.0	0.0	-681.1	1364.3	1364.3	3.3
1.0	15.0	2.0	0.0	0.0	-919.4	1849.1	1848.9	9.5
1.0	15.0	0.0	0.0	0.0	-792.1	1586.2	1586.2	7.0
1.0	15.0	0.0	0.0	0.0	-849.7	1701.4	1701.4	6.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-122.0	246.0	245.9	3.8
1.0	15.0	2.0	0.0	0.0	-149.4	310.3	308.7	8.3
1.0	15.0	2.0	0.0	0.0	-112.5	236.5	235.0	3.1
1.0	15.0	0.0	0.0	0.0	-132.4	267.0	266.9	4.7
1.0	15.0	0.0	2.0	0.0	-143.2	298.0	296.4	5.6
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	4.9
0.9	15.0	2.0	0.0	0.0	-110.1	231.7	230.1	2.7
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	8.4
1.0	15.0	0.0	3.0	0.0	-123.2	258.0	256.4	4.3
1.0	15.0	0.0	0.0	0.0	-75.6	153.3	153.2	1.6
1.0	15.0	2.0	0.0	0.0	-71.8	155.1	153.6	0.9
1.0	15.0	0.0	0.0	0.0	-117.5	237.1	237.1	4.1
1.0	15.0	0.0	3.0	0.0	-127.3	266.2	264.6	4.5
1.0	15.0	0.0	0.0	0.0	-95.4	193.0	192.9	2.1
1.0	15.0	3.0	0.0	0.0	-101.0	213.5	212.0	2.9
1.0	15.0	0.0	0.0	0.0	-180.8	363.6	363.6	13.4
1.0	15.0	0.0	2.0	0.0	-124.1	259.8	258.2	3.7
1.0	15.0	0.0	0.0	0.0	-101.7	205.5	205.4	2.4
1.0	15.0	2.0	0.0	0.0	-105.3	222.0	220.5	2.0
1.0	15.0	0.0	0.0	0.0	-152.5	307.1	307.0	6.7
1.0	15.0	0.0	2.0	0.0	-149.3	310.1	308.6	18.5
1.0	15.0	1.0	1.0	0.0	-159.3	330.1	328.5	11.4
0.6	15.0	2.0	0.0	0.0	-147.1	314.3	310.3	15.7
1.0	15.0	0.0	2.0	0.0	-158.9	329.4	327.8	18.7
1.0	15.0	0.0	2.0	0.0	-160.7	332.9	331.4	13.4
1.0	15.0	0.0	0.0	0.0	-124.7	251.4	251.3	4.4
0.7	15.0	2.0	0.0	0.0	-134.4	280.3	278.7	22.6
1.0	15.0	0.0	1.0	0.0	-171.0	353.7	352.1	25.8
1.0	15.0	0.0	2.0	0.0	-165.0	341.6	340.0	15.1
1.0	15.0	0.0	0.0	0.0	-78.6	159.2	159.1	1.7
1.0	15.0	1.0	0.0	0.0	-135.2	282.0	280.5	23.5
1.0	15.0	0.0	1.0	0.0	-183.8	379.2	377.6	20.7
1.0	15.0	0.0	1.0	0.0	-166.2	343.8	342.3	16.5
1.0	15.0	0.0	0.0	0.0	-81.2	164.5	164.5	1.6
0.9	15.0	1.0	0.0	0.0	-88.6	188.7	187.1	4.1
1.0	15.0	0.0	1.0	0.0	-175.1	361.8	360.3	21.2
1.0	15.0	0.0	1.0	0.0	-124.5	260.4	258.9	3.7
1.0	15.0	0.0	1.0	0.0	-115.6	233.3	233.2	5.2
1.0	15.0	1.0	0.0	0.0	-115.9	243.4	241.8	25.3
1.0	15.0	0.0	1.0	0.0	-147.7	307.0	305.5	6.6
1.0	15.0	0.0	3.0	0.0	-124.4	260.4	258.9	4.0
1.0	15.0	4.0	0.0	0.0	-129.6	279.2	275.2	5.4
1.0	15.0	4.0	0.0	0.0	-121.8	263.5	259.5	5.1
1.0	15.0	0.0	0.0	0.0	-143.7	289.5	289.4	6.0
1.0	15.0	0.0	0.0	0.0	-122.4	246.9	246.8	8.2
1.0	15.0	4.0	0.0	0.0	-122.5	265.0	261.0	11.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-111.5	242.9	238.9	8.6
1.0	15.0	1.0	0.0	0.0	-159.8	321.7	321.6	17.1
1.0	15.0	0.0	2.0	0.0	-149.2	300.5	300.4	8.5
1.0	15.0	6.0	0.0	0.0	-167.4	354.7	350.7	15.8
1.0	15.0	6.0	0.0	0.0	-156.6	333.2	329.2	13.8
1.0	15.0	0.0	1.0	0.0	-170.9	343.9	343.8	16.7
1.0	15.0	0.0	3.0	0.0	-112.9	237.4	235.9	3.0
0.9	15.0	2.0	0.0	0.0	-111.6	234.8	233.3	4.2
1.0	15.0	2.0	0.0	0.0	-106.6	224.8	223.3	2.9
1.0	15.0	0.0	1.0	0.0	-172.3	346.6	346.5	10.3
0.8	15.0	0.0	3.0	0.0	-134.7	281.0	279.5	7.4
1.0	15.0	4.0	0.0	0.0	-158.7	337.4	333.4	14.5
1.0	15.0	3.0	0.0	0.0	-146.8	313.5	309.5	12.8
1.0	15.0	0.0	0.0	0.0	-165.9	333.9	333.8	10.1
0.8	15.0	0.0	3.0	0.0	-130.3	280.7	276.7	14.4
1.0	15.0	3.0	0.0	0.0	-137.3	294.5	290.5	19.4
0.6	15.0	3.0	0.0	0.0	-126.4	272.8	268.8	14.6
1.0	15.0	0.0	0.0	0.0	-177.6	357.3	357.3	14.6
0.9	15.0	0.0	3.0	0.0	-137.6	286.7	285.2	5.5
0.9	15.0	7.0	0.0	0.0	-161.6	343.1	339.1	11.5
1.0	15.0	6.0	0.0	0.0	-144.3	308.6	304.6	7.2
1.0	15.0	0.0	1.0	0.0	-184.4	370.9	370.8	16.9
1.0	15.0	0.0	0.0	0.0	-129.7	261.4	261.3	4.3
1.0	15.0	2.0	0.0	0.0	-109.8	231.2	229.6	2.9
1.0	15.0	2.0	0.0	0.0	-106.1	223.8	222.2	2.5
1.0	15.0	0.0	0.0	0.0	-158.8	319.8	319.7	7.7
1.0	15.0	0.0	3.0	0.0	-115.4	250.8	246.8	4.0
0.9	15.0	4.0	0.0	0.0	-176.7	364.8	363.3	15.3
0.9	15.0	3.0	0.0	0.0	-147.8	315.7	311.7	11.8
1.0	15.0	0.0	1.0	0.0	-164.6	331.2	331.1	12.2
1.0	15.0	0.0	5.0	0.0	-133.6	278.8	277.3	4.7
1.0	15.0	4.0	0.0	0.0	-130.8	281.7	277.7	7.0
1.0	15.0	5.0	0.0	0.0	-138.7	297.4	293.4	6.0
1.0	15.0	0.0	5.0	0.0	-164.0	339.6	338.0	8.8
1.0	23.0	0.0	2.0	0.0	-229.5	469.6	468.9	2.9
1.0	23.0	0.0	0.0	0.0	-251.4	504.8	504.8	4.5
0.6	23.0	5.0	0.0	0.0	-221.5	460.9	459.1	2.5
1.0	23.0	0.0	0.0	0.0	-352.2	706.4	706.4	11.0
1.0	15.0	0.0	4.0	0.0	-118.1	247.7	246.2	3.5
1.0	15.0	0.0	0.0	0.0	-104.9	211.9	211.8	4.0
0.6	15.0	2.0	0.0	0.0	-99.8	219.6	215.6	3.0
1.0	15.0	0.0	2.0	0.0	-153.5	318.5	317.0	7.1
1.0	15.0	0.0	0.0	0.0	-131.0	264.0	263.9	4.2
1.0	15.0	1.0	0.0	0.0	-115.2	242.0	240.4	3.3
1.0	15.0	1.0	0.0	0.0	-111.0	233.6	232.1	3.7
1.0	15.0	0.0	0.0	0.0	-151.3	304.8	304.7	6.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-123.8	259.1	257.5	3.9
1.0	15.0	6.0	0.0	0.0	-171.6	354.8	353.2	11.5
1.0	15.0	5.0	0.0	0.0	-140.8	293.2	291.7	6.5
1.0	15.0	0.0	0.0	0.0	-142.9	288.0	287.9	5.6
1.0	15.0	0.0	1.0	0.0	-115.1	241.7	240.2	2.7
1.0	15.0	1.0	0.0	0.0	-159.2	330.0	328.5	7.9
1.0	15.0	1.0	0.0	0.0	-150.0	311.6	310.0	6.6
1.0	15.0	0.0	0.0	0.0	-129.6	261.3	261.2	6.0
1.0	15.0	0.0	0.0	0.0	-151.8	305.7	305.6	8.7
1.0	15.0	1.0	0.0	0.0	-153.6	318.6	317.1	7.9
1.0	15.0	1.0	0.0	0.0	-146.7	304.9	303.3	6.8
1.0	15.0	0.0	0.0	0.0	-143.6	289.3	289.2	5.8
1.0	15.0	2.0	0.0	0.0	-133.5	278.6	277.1	5.8
1.0	15.0	1.0	0.0	0.0	-148.1	307.7	306.2	10.0
1.0	15.0	0.0	0.0	0.0	-102.4	206.9	206.8	2.6
1.0	15.0	0.0	0.0	0.0	-144.8	291.7	291.6	6.4
1.0	15.0	0.0	2.0	0.0	-130.8	273.1	271.5	4.8
0.9	15.0	4.0	0.0	0.0	-186.7	385.0	383.4	20.2
1.0	15.0	3.0	0.0	0.0	-155.0	321.6	320.0	8.9
1.0	15.0	0.0	2.0	0.0	-126.6	264.7	263.2	4.0
1.0	15.0	0.0	2.0	0.0	-120.6	252.8	251.2	4.0
1.0	15.0	2.0	0.0	0.0	-156.0	323.5	322.0	10.6
1.0	15.0	2.0	0.0	0.0	-110.7	233.0	231.5	2.6
1.0	15.0	0.0	1.0	0.0	-155.7	313.6	313.5	9.3
1.0	15.0	0.0	3.0	0.0	-255.6	521.8	521.1	4.7
1.0	15.0	5.0	0.0	0.0	-339.1	696.0	694.2	12.5
1.0	15.0	4.0	0.0	0.0	-274.7	560.1	559.4	10.7
1.0	15.0	0.0	1.0	0.0	-334.5	671.0	671.0	10.8
1.0	15.0	0.0	3.0	0.0	-154.9	321.4	319.8	11.6
1.0	15.0	2.0	1.0	0.0	-148.4	316.9	312.9	10.5
1.0	15.0	3.0	0.0	0.0	-137.5	286.6	285.0	6.5
1.0	15.0	0.0	2.0	0.0	-152.9	317.3	315.8	14.3
0.8	15.0	0.0	1.0	0.0	-138.5	288.6	287.1	7.1
1.0	15.0	0.0	0.0	0.0	-108.0	218.0	217.9	5.9
0.7	15.0	1.0	0.0	0.0	-108.3	228.2	226.7	7.5
1.0	15.0	0.0	1.0	0.0	-153.8	319.2	317.7	8.4
1.0	15.0	0.0	2.0	0.0	-121.5	254.5	252.9	3.6
1.0	15.0	0.0	1.0	0.0	-111.0	233.5	231.9	3.4
1.0	15.0	1.0	0.0	0.0	-128.4	268.3	266.8	23.6
1.0	15.0	0.0	2.0	0.0	-141.7	294.9	293.4	5.8
1.0	15.0	0.0	1.0	0.0	-122.4	256.3	254.8	3.3
1.0	15.0	2.0	0.0	0.0	-152.6	316.8	315.2	13.5
1.0	15.0	2.0	0.0	0.0	-129.6	270.7	269.1	7.3
1.0	15.0	0.0	0.0	0.0	-157.2	316.5	316.4	8.4
0.7	15.0	1.0	3.0	0.0	-131.5	283.1	279.1	6.7
1.0	15.0	2.0	1.0	0.0	-191.7	395.0	393.5	55.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	2.0	1.0	0.0	-158.3	336.6	332.6	33.8
1.0	15.0	0.0	0.0	0.0	-154.8	311.8	311.7	8.8
1.0	15.0	0.0	2.0	0.0	-124.1	259.7	258.1	4.7
1.0	15.0	0.0	0.0	0.0	-97.6	197.3	197.2	6.8
1.0	15.0	3.0	0.0	0.0	-109.5	230.6	229.0	4.2
1.0	15.0	0.0	0.0	0.0	-153.3	308.6	308.5	7.0
1.0	15.0	0.0	1.0	0.0	-110.4	232.4	230.8	2.6
1.0	15.0	0.0	0.0	0.0	-105.2	212.5	212.4	4.2
1.0	15.0	1.0	0.0	0.0	-86.5	184.5	183.0	2.2
1.0	15.0	0.0	1.0	0.0	-179.0	369.6	368.1	12.6
1.0	15.0	0.0	0.0	0.0	-147.2	296.5	296.4	8.4
1.0	15.0	2.0	0.0	0.0	-165.6	342.8	341.3	12.6
1.0	15.0	2.0	0.0	0.0	-125.3	262.1	260.5	8.1
1.0	15.0	0.0	0.0	0.0	-171.0	344.0	344.0	13.4
1.0	15.0	0.0	2.0	0.0	-138.5	288.5	286.9	5.4
1.0	15.0	3.0	0.0	0.0	-159.8	331.2	329.7	8.2
1.0	15.0	3.0	0.0	0.0	-123.0	257.6	256.1	4.5
1.0	15.0	0.0	0.0	0.0	-165.4	332.9	332.8	9.7
1.0	15.0	0.0	2.0	0.0	-138.7	288.9	287.4	4.7
1.0	15.0	2.0	1.0	0.0	-142.1	304.1	300.1	5.8
1.0	15.0	1.0	0.0	0.0	-137.4	286.2	284.7	6.2
1.0	15.0	0.0	2.0	0.0	-136.0	283.5	282.0	5.3
1.0	15.0	0.0	1.0	0.0	-137.0	285.5	283.9	11.5
1.0	15.0	2.0	1.0	0.0	-169.2	358.4	354.4	18.3
1.0	15.0	2.0	1.0	0.0	-135.2	290.5	286.5	8.9
1.0	15.0	0.0	2.0	0.0	-163.9	339.3	337.8	9.8
1.0	15.0	0.0	1.0	0.0	-127.8	267.2	265.7	4.4
1.0	15.0	0.0	1.0	0.0	-131.1	264.4	264.3	7.5
1.0	15.0	1.0	0.0	0.0	-86.8	185.2	183.6	1.6
1.0	15.0	0.0	1.0	0.0	-160.7	332.8	331.3	8.2
1.0	15.0	0.0	2.0	0.0	-128.5	268.6	267.1	5.2
1.0	15.0	0.0	0.0	0.0	-71.9	146.0	145.9	1.1
1.0	15.0	1.0	0.0	0.0	-77.7	166.9	165.3	2.6
1.0	15.0	0.0	2.0	0.0	-118.7	248.9	247.3	3.5
1.0	15.0	0.0	1.0	0.0	-132.1	275.7	274.1	4.8
1.0	15.0	0.0	0.0	0.0	-97.3	196.6	196.5	2.2
0.9	15.0	1.0	0.0	0.0	-92.2	196.0	194.4	6.9
1.0	15.0	0.0	2.0	0.0	-167.6	346.8	345.2	9.1
1.0	15.0	0.0	2.0	0.0	-127.4	266.4	264.9	4.5
1.0	15.0	0.0	0.0	0.0	-76.4	154.9	154.8	1.6
1.0	15.0	1.0	0.0	0.0	-65.6	142.7	141.2	0.6
1.0	15.0	0.0	2.0	0.0	-161.5	334.6	333.1	9.7
1.0	15.0	0.0	1.0	0.0	-120.2	251.9	250.4	3.3
0.9	15.0	0.0	1.0	0.0	-103.5	218.6	217.0	1.8
1.0	15.0	1.0	0.0	0.0	-125.4	262.4	260.9	20.5
1.0	15.0	0.0	1.0	0.0	-130.0	271.6	270.1	5.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	4.0	0.0	-136.3	284.1	282.6	5.7
1.0	15.0	2.0	1.0	0.0	-134.5	289.1	285.1	5.7
1.0	15.0	4.0	0.0	0.0	-145.4	310.9	306.9	9.4
1.0	15.0	0.0	2.0	0.0	-143.4	298.4	296.9	6.9
1.0	15.0	0.0	3.0	0.0	-144.4	300.3	298.8	6.1
1.0	15.0	0.0	3.0	0.0	-205.1	421.6	420.1	37.0
1.0	15.0	2.0	2.0	0.0	-155.7	331.5	327.5	19.8
1.0	15.0	0.0	4.0	0.0	-162.0	335.5	334.0	11.7
1.0	15.0	0.0	4.0	0.0	-126.1	263.7	262.2	4.0
1.0	15.0	0.0	1.0	0.0	-107.3	226.2	224.7	2.2
1.0	15.0	4.0	0.0	0.0	-122.8	257.1	255.6	7.8
1.0	15.0	0.0	2.0	0.0	-175.6	362.7	361.2	11.1
0.9	15.0	0.0	3.0	0.0	-116.4	244.3	242.7	5.5
1.0	15.0	0.0	2.0	0.0	-75.7	162.9	161.4	0.8
1.0	15.0	3.0	0.0	0.0	-105.8	223.2	221.6	10.7
1.0	15.0	0.0	2.0	0.0	-135.6	282.8	281.2	12.6
1.0	15.0	0.0	3.0	0.0	-124.1	259.8	258.3	3.8
1.0	15.0	0.0	3.0	0.0	-99.6	210.8	209.2	1.5
1.0	15.0	3.0	0.0	0.0	-107.4	226.3	224.8	3.2
1.0	15.0	0.0	2.0	0.0	-151.3	314.2	312.6	10.0
1.0	15.0	0.0	4.0	0.0	-144.3	300.1	298.6	6.3
1.0	15.0	0.0	0.0	0.0	-83.9	169.9	169.8	2.3
1.0	15.0	3.0	0.0	0.0	-63.1	137.7	136.1	0.4
1.0	15.0	0.0	1.0	0.0	-158.3	328.0	326.5	8.9
0.9	15.0	0.0	3.0	0.0	-116.9	245.3	243.8	3.6
1.0	15.0	0.0	2.0	0.0	-104.0	219.6	218.0	1.9
1.0	15.0	2.0	0.0	0.0	-127.5	266.5	265.0	16.9
1.0	15.0	0.0	2.0	0.0	-166.9	345.4	343.8	9.5
1.0	15.0	0.0	2.0	0.0	-139.2	290.0	288.5	9.5
1.0	15.0	3.0	2.0	0.0	-191.4	402.9	398.9	35.3
1.0	15.0	3.0	2.0	0.0	-164.8	349.6	345.6	14.8
1.0	15.0	0.0	2.0	0.0	-160.9	333.3	331.8	10.1
1.0	15.0	0.0	1.0	0.0	-102.9	217.2	215.7	1.8
1.0	15.0	0.0	0.0	0.0	-56.9	115.9	115.8	0.8
1.0	15.0	1.0	0.0	0.0	-78.6	168.7	167.2	4.4
1.0	15.0	0.0	2.0	0.0	-135.6	282.8	281.2	5.7
1.0	15.0	0.0	1.0	0.0	-121.6	254.7	253.2	3.7
1.0	15.0	0.0	0.0	0.0	-64.0	130.1	130.0	1.0
1.0	15.0	1.0	0.0	0.0	-71.9	155.3	153.8	1.5
1.0	15.0	0.0	2.0	0.0	-168.9	349.5	347.9	12.2
1.0	15.0	0.0	1.0	0.0	-120.4	252.4	250.9	3.3
1.0	15.0	0.0	0.0	0.0	-109.4	220.9	220.8	4.1
0.9	15.0	1.0	0.0	0.0	-97.5	206.5	205.0	6.5
1.0	15.0	0.0	1.0	0.0	-163.0	337.6	336.1	10.7
1.0	15.0	0.0	3.0	0.0	-129.2	270.1	268.5	4.2
1.0	15.0	2.0	0.0	0.0	-164.9	341.3	339.7	10.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-133.3	278.1	276.5	5.8
1.0	15.0	0.0	0.0	0.0	-138.8	279.8	279.7	5.6
1.0	15.0	0.0	1.0	0.0	-129.8	271.2	269.6	4.4
0.6	15.0	4.0	0.0	0.0	-177.5	374.9	370.9	36.8
0.9	15.0	2.0	0.0	0.0	-161.0	333.5	332.0	23.9
1.0	15.0	0.0	0.0	0.0	-161.8	325.7	325.6	14.4
1.0	15.0	0.0	0.0	0.0	-121.7	245.4	245.4	3.6
1.0	15.0	2.0	1.0	0.0	-183.6	387.1	383.1	15.6
1.0	15.0	2.0	1.0	0.0	-148.7	317.4	313.4	8.7
0.9	15.0	0.0	1.0	0.0	-155.4	322.4	320.8	10.6
1.0	15.0	0.0	0.0	0.0	-143.0	288.2	288.1	8.5
0.8	15.0	3.0	0.0	0.0	-180.2	371.9	370.4	42.5
0.6	15.0	2.0	0.0	0.0	-141.3	302.6	298.6	19.2
0.5	15.0	0.0	1.0	0.0	-158.1	327.7	326.2	12.3
1.0	15.0	0.0	1.0	0.0	-131.2	273.9	272.4	5.1
1.0	15.0	0.0	0.0	0.0	-107.5	217.0	216.9	4.9
1.0	15.0	1.0	0.0	0.0	-101.9	215.3	213.8	2.1
1.0	15.0	0.0	1.0	0.0	-163.5	338.5	337.0	8.4
1.0	15.0	0.0	1.0	0.0	-121.1	253.7	252.2	3.4
1.0	15.0	0.0	1.0	0.0	-113.0	237.4	235.9	2.7
1.0	15.0	1.0	0.0	0.0	-109.3	230.2	228.7	3.6
1.0	15.0	0.0	2.0	0.0	-136.6	284.8	283.3	5.2
1.0	15.0	0.0	2.0	0.0	-124.6	260.8	259.2	4.6
1.0	15.0	2.0	2.0	0.0	-132.1	284.3	280.3	4.6
1.0	15.0	4.0	0.0	0.0	-140.7	293.0	291.5	8.5
1.0	15.0	0.0	2.0	0.0	-134.2	279.9	278.3	4.9
1.0	15.0	0.0	3.0	0.0	-148.2	308.0	306.4	7.6
1.0	15.0	2.0	3.0	0.0	-187.0	394.0	390.0	24.0
1.0	15.0	0.0	0.0	0.0	-155.5	313.1	313.0	11.0
1.0	15.0	0.0	3.0	0.0	-169.1	349.6	348.1	10.6
1.0	15.0	0.0	1.0	0.0	-145.5	302.6	301.1	5.8
0.9	15.0	0.0	1.0	0.0	-118.3	248.2	246.6	3.5
1.0	15.0	1.0	0.0	0.0	-124.6	260.7	259.1	15.8
1.0	15.0	0.0	1.0	0.0	-169.0	349.6	348.1	10.3
1.0	15.0	0.0	2.0	0.0	-131.9	275.3	273.8	9.3
1.0	15.0	0.0	0.0	0.0	-83.0	168.0	167.9	1.7
1.0	15.0	2.0	0.0	0.0	-90.8	193.1	191.6	12.2
1.0	15.0	0.0	2.0	0.0	-134.6	280.8	279.2	12.9
1.0	15.0	0.0	1.0	0.0	-135.2	281.9	280.3	8.8
1.0	15.0	0.0	0.0	0.0	-90.7	183.6	183.5	4.7
1.0	15.0	1.0	0.0	0.0	-120.7	253.0	251.5	20.1
1.0	15.0	0.0	2.0	0.0	-186.3	384.2	382.7	14.4
1.0	15.0	0.0	1.0	0.0	-130.8	273.1	271.6	6.0
1.0	15.0	0.0	0.0	0.0	-91.7	185.4	185.3	3.1
1.0	15.0	1.0	0.0	0.0	-79.3	170.2	168.6	1.7
1.0	15.0	0.0	1.0	0.0	-146.8	305.2	303.6	10.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-132.7	277.0	275.4	6.8
1.0	15.0	0.0	2.0	0.0	-112.7	236.9	235.4	3.1
1.0	15.0	2.0	0.0	0.0	-123.7	259.0	257.4	11.6
1.0	15.0	0.0	2.0	0.0	-154.8	321.0	319.5	9.0
1.0	15.0	0.0	2.0	0.0	-151.0	313.6	312.0	8.0
1.0	15.0	2.0	1.0	0.0	-151.4	322.7	318.7	9.1
1.0	15.0	3.0	0.0	0.0	-139.0	289.6	288.0	11.5
1.0	15.0	0.0	1.0	0.0	-146.7	305.0	303.5	7.6
1.0	15.0	0.0	1.0	0.0	-136.5	284.5	283.0	6.8
1.0	15.0	2.0	1.0	0.0	-193.6	407.1	403.1	27.2
1.0	15.0	2.0	0.0	0.0	-155.5	331.0	327.0	10.8
1.0	15.0	1.0	1.0	0.0	-179.4	370.2	368.7	13.4
1.0	15.0	0.0	1.0	0.0	-138.0	287.6	286.1	6.6
1.0	15.0	0.0	0.0	0.0	-82.8	167.6	167.5	2.3
0.6	15.0	1.0	0.0	0.0	-103.8	219.2	217.7	10.1
1.0	15.0	0.0	1.0	0.0	-182.1	375.7	374.1	13.8
1.0	15.0	0.0	2.0	0.0	-119.7	250.9	249.3	7.1
1.0	15.0	0.0	1.0	0.0	-110.0	222.2	222.1	5.5
0.8	15.0	1.0	0.0	0.0	-105.7	222.8	221.3	26.3
1.0	15.0	0.0	1.0	0.0	-168.2	348.0	346.5	11.3
1.0	15.0	0.0	3.0	0.0	-116.4	244.6	242.8	6.3
1.0	15.0	2.0	1.0	0.0	-160.0	340.1	336.1	9.4
1.0	15.0	3.0	0.0	0.0	-150.3	312.2	310.6	8.7
1.0	15.0	0.0	2.0	0.0	-138.5	288.4	286.9	6.4
1.0	15.0	0.0	2.0	0.0	-143.5	298.5	297.0	6.3
1.0	15.0	3.0	1.0	0.0	-185.0	390.1	386.1	16.4
1.0	15.0	3.0	0.0	0.0	-138.9	297.8	293.8	6.8
1.0	15.0	0.0	1.0	0.0	-165.1	341.7	340.2	9.4
1.0	15.0	0.0	1.0	0.0	-141.2	294.0	292.5	5.8
1.0	15.0	0.0	0.0	0.0	-139.2	280.4	280.3	7.7
0.7	15.0	1.0	0.0	0.0	-128.5	268.5	267.0	15.9
1.0	15.0	0.0	1.0	0.0	-195.4	402.4	400.9	17.0
1.0	15.0	0.0	2.0	0.0	-119.5	250.6	249.0	10.0
1.0	15.0	0.0	0.0	0.0	-79.5	161.0	160.9	1.4
1.0	15.0	1.0	0.0	0.0	-93.7	198.9	197.4	5.2
1.0	15.0	0.0	1.0	0.0	-152.3	316.1	314.6	15.8
1.0	15.0	0.0	1.0	0.0	-133.8	279.0	277.5	5.4
1.0	15.0	0.0	0.0	0.0	-74.5	151.0	150.9	1.3
1.0	15.0	1.0	0.0	0.0	-103.1	217.6	216.1	18.3
1.0	15.0	1.0	1.0	0.0	-183.2	377.9	376.3	14.6
1.0	15.0	0.0	2.0	0.0	-149.6	310.6	309.1	7.3
1.0	15.0	0.0	0.0	0.0	-82.7	167.6	167.5	1.6
1.0	15.0	1.0	0.0	0.0	-74.2	160.0	158.4	2.8
1.0	15.0	0.0	1.0	0.0	-159.1	329.8	328.3	10.3
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.7	4.6
1.0	15.0	0.0	0.0	0.0	-119.1	240.3	240.2	4.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	1.0	0.0	0.0	-116.3	244.2	242.7	12.0
1.0	15.0	0.0	1.0	0.0	-154.4	320.4	318.9	7.3
1.0	15.0	0.0	0.0	0.0	-131.0	264.1	264.0	4.7
1.0	15.0	3.0	1.0	0.0	-170.4	360.9	356.9	15.7
1.0	15.0	3.0	0.0	0.0	-141.4	302.8	298.8	10.4
1.0	15.0	0.0	1.0	0.0	-167.6	337.4	337.3	11.1
1.0	15.0	0.0	1.0	0.0	-120.6	252.8	251.3	3.4
1.0	15.0	0.0	0.0	0.0	-101.8	205.7	205.6	2.6
0.5	15.0	2.0	0.0	0.0	-100.0	211.5	210.0	1.6
1.0	15.0	0.0	0.0	0.0	-152.6	307.2	307.2	8.1
1.0	15.0	0.0	2.0	0.0	-258.6	527.9	527.1	4.4
1.0	15.0	3.0	0.0	0.0	-333.3	677.4	676.6	11.3
1.0	15.0	2.0	0.0	0.0	-259.8	530.2	529.5	5.3
1.0	15.0	0.0	0.0	0.0	-312.3	626.6	626.5	7.6
1.0	15.0	0.0	0.0	0.0	-136.4	274.9	274.9	5.9
1.0	15.0	2.0	0.0	0.0	-175.0	361.5	360.0	11.9
1.0	15.0	1.0	0.0	0.0	-152.2	316.0	314.4	7.4
1.0	15.0	0.0	0.0	0.0	-134.4	270.8	270.8	4.3
1.0	15.0	0.0	0.0	0.0	-131.5	265.0	264.9	6.3
1.0	15.0	2.0	0.0	0.0	-162.8	337.1	335.5	20.0
1.0	15.0	1.0	0.0	0.0	-163.3	338.2	336.7	15.9
1.0	15.0	0.0	0.0	0.0	-167.0	336.1	336.1	11.0
1.0	15.0	0.0	0.0	0.0	-139.6	281.4	281.3	5.1
0.8	15.0	1.0	0.0	0.0	-110.3	232.1	230.6	6.1
0.6	15.0	1.0	0.0	0.0	-101.4	214.3	212.8	4.0
1.0	15.0	0.0	0.0	0.0	-152.0	306.2	306.1	6.9
1.0	15.0	0.0	1.0	0.0	-120.5	252.6	251.0	3.9
1.0	15.0	0.0	0.0	0.0	-115.0	232.0	231.9	3.2
1.0	15.0	1.0	0.0	0.0	-96.7	204.9	203.4	2.6
1.0	15.0	0.0	1.0	0.0	-174.4	360.3	358.8	10.5
1.0	15.0	0.0	3.0	0.0	-119.6	250.7	249.1	3.5
1.0	15.0	2.0	0.0	0.0	-169.0	349.5	348.0	9.3
1.0	15.0	2.0	0.0	0.0	-141.8	295.0	293.5	6.3
1.0	15.0	0.0	0.0	0.0	-143.1	288.3	288.2	5.5
1.0	15.0	0.0	8.0	0.0	-155.2	330.5	326.5	9.9
1.0	15.0	1.0	7.0	0.0	-153.8	327.7	323.7	9.6
1.0	15.0	1.0	1.0	0.0	-178.9	377.9	373.9	14.0
0.8	15.0	2.0	4.0	0.0	-171.2	362.4	358.4	10.1
1.0	15.0	0.0	10.0	0.0	-155.2	322.0	320.5	7.1
0.8	15.0	3.0	10.0	0.0	-247.1	514.2	510.2	53.5
1.0	15.0	3.0	4.0	0.0	-213.2	446.4	442.4	27.2
1.0	15.0	0.0	11.0	0.0	-146.5	304.5	303.0	9.6
1.0	15.0	0.0	8.0	0.0	-138.2	288.0	286.5	6.0
1.0	15.0	0.0	0.0	0.0	-72.0	146.0	145.9	1.1
1.0	15.0	7.0	0.0	0.0	-159.2	330.0	328.4	12.2
1.0	15.0	2.0	6.0	0.0	-153.8	319.1	317.6	8.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	11.0	0.0	-169.7	351.0	349.5	10.0
1.0	15.0	6.0	0.0	0.0	-180.2	380.3	376.3	26.5
1.0	15.0	11.0	0.0	0.0	-185.7	382.9	381.4	32.8
1.0	15.0	0.0	9.0	0.0	-200.7	413.0	411.5	20.8
1.0	15.0	0.0	8.0	0.0	-151.9	315.4	313.9	8.3
1.0	15.0	2.0	10.0	0.0	-131.4	282.7	278.7	6.1
1.0	15.0	7.0	0.0	0.0	-186.7	384.8	383.3	16.1
1.0	15.0	0.0	8.0	0.0	-164.4	340.4	338.8	9.4
1.0	15.0	0.0	6.0	0.0	-154.6	329.3	325.3	11.1
1.0	15.0	2.0	6.0	0.0	-163.7	347.3	343.3	9.9
1.0	15.0	2.0	1.0	0.0	-179.9	379.9	375.9	19.3
1.0	15.0	5.0	4.0	0.0	-172.8	365.5	361.5	12.0
0.9	15.0	0.0	8.0	0.0	-157.3	326.2	324.7	10.6
1.0	15.0	4.0	8.0	0.0	-235.5	491.0	487.0	59.7
1.0	15.0	4.0	7.0	0.0	-199.0	418.1	414.1	31.5
1.0	15.0	0.0	8.0	0.0	-168.3	348.2	346.6	17.3
1.0	15.0	0.0	9.0	0.0	-138.1	287.7	286.2	5.9
1.0	15.0	0.0	0.0	0.0	-76.3	154.7	154.7	1.5
1.0	15.0	8.0	0.0	0.0	-169.0	349.5	348.0	13.2
1.0	15.0	2.0	6.0	0.0	-171.4	354.3	352.7	12.6
1.0	15.0	0.0	8.0	0.0	-159.8	339.7	335.7	12.1
1.0	15.0	2.0	0.0	0.0	-158.7	337.4	333.4	18.8
0.5	15.0	7.0	0.0	0.0	-195.1	410.2	406.2	25.3
1.0	15.0	0.0	6.0	0.0	-197.0	405.6	404.1	19.9
1.0	15.0	0.0	8.0	0.0	-142.8	297.2	295.7	6.4
1.0	15.0	0.0	0.0	0.0	-81.6	165.3	165.2	1.5
1.0	15.0	4.0	0.0	0.0	-75.7	163.0	161.5	1.6
1.0	15.0	0.0	5.0	0.0	-183.7	379.0	377.4	16.4
1.0	15.0	0.0	5.0	0.0	-150.7	313.0	311.5	6.3
1.0	15.0	3.0	8.0	0.0	-130.4	280.8	276.8	4.2
1.0	15.0	5.0	0.0	0.0	-186.5	384.5	383.0	19.3
1.0	15.0	0.0	5.0	0.0	-164.0	339.5	338.0	9.4
1.0	15.0	0.0	1.0	0.0	-123.6	258.8	257.3	3.5
1.0	15.0	0.0	0.0	0.0	-68.5	139.0	138.9	1.0
1.0	15.0	1.0	0.0	0.0	-73.7	159.0	157.5	1.0
1.0	15.0	0.0	0.0	0.0	-146.7	295.5	295.4	6.1
1.0	15.0	0.0	1.0	0.0	-146.0	303.6	302.1	6.5
1.0	15.0	0.0	0.0	0.0	-73.6	149.2	149.1	1.2
0.6	15.0	1.0	0.0	0.0	-101.4	214.3	212.8	2.9
1.0	15.0	0.0	0.0	0.0	-171.2	344.5	344.4	13.0
1.0	15.0	0.0	1.0	0.0	-131.5	274.6	273.0	7.6
0.4	15.0	4.0	1.0	0.0	-170.9	361.7	357.7	11.4
0.7	15.0	5.0	0.0	0.0	-153.2	326.3	322.3	8.8
1.0	15.0	0.0	1.0	0.0	-142.8	297.1	295.6	10.5
1.0	15.0	0.0	1.0	0.0	-142.7	296.9	295.4	5.4
1.0	15.0	3.0	1.0	0.0	-190.1	400.1	396.1	19.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	1.0	0.0	-139.9	299.9	295.9	8.1
1.0	15.0	0.0	1.0	0.0	-172.8	357.1	355.6	11.2
1.0	15.0	1.0	1.0	0.0	-143.7	299.0	297.5	7.8
1.0	15.0	0.0	1.0	0.0	-111.3	234.1	232.6	2.4
0.8	15.0	1.0	2.0	0.0	-144.8	301.1	299.6	14.3
1.0	15.0	0.0	3.0	0.0	-171.2	354.0	352.4	11.7
1.0	15.0	0.0	1.0	0.0	-123.2	257.9	256.4	5.0
1.0	15.0	0.0	0.0	0.0	-66.9	135.9	135.8	1.1
0.7	15.0	1.0	0.0	0.0	-85.3	182.2	180.6	8.6
1.0	15.0	0.0	2.0	0.0	-173.0	357.6	356.0	12.0
1.0	15.0	0.0	1.0	0.0	-119.4	250.4	248.8	3.3
1.0	15.0	0.0	0.0	0.0	-94.4	191.0	190.9	2.6
1.0	15.0	1.0	0.0	0.0	-100.1	211.8	210.3	3.3
1.0	15.0	0.0	2.0	0.0	-177.7	367.1	365.5	15.5
1.0	15.0	0.0	1.0	0.0	-135.7	283.0	281.4	5.8
1.0	15.0	0.0	0.0	0.0	-87.5	177.0	176.9	2.3
1.0	15.0	1.0	0.0	0.0	-64.4	140.3	138.7	0.6
1.0	15.0	0.0	1.0	0.0	-149.7	310.9	309.4	8.8
1.0	15.0	0.0	1.0	0.0	-137.5	286.5	285.0	4.8
1.0	15.0	0.0	1.0	0.0	-110.0	231.5	230.0	2.4
1.0	15.0	1.0	0.0	0.0	-111.8	235.1	233.6	5.1
1.0	15.0	0.0	2.0	0.0	-172.9	357.4	355.8	14.2
1.0	15.0	0.0	2.0	0.0	-161.8	334.7	333.6	3.9
1.0	15.0	2.0	1.0	0.0	-199.0	416.8	414.0	7.4
1.0	15.0	2.0	0.0	0.0	-188.2	387.4	386.3	8.3
1.0	15.0	0.0	1.0	0.0	-179.8	370.6	369.5	5.2
1.0	15.0	0.0	1.0	0.0	-291.7	594.2	593.5	11.8
1.0	15.0	3.0	1.0	0.0	-385.2	788.3	786.5	42.2
0.5	15.0	1.0	0.0	0.0	-305.8	629.3	627.6	12.0
1.0	15.0	0.0	2.0	0.0	-313.7	638.0	637.3	14.0
1.0	15.0	0.0	1.0	0.0	-270.5	551.6	550.9	5.1
1.0	15.0	0.0	1.0	0.0	-235.7	473.5	473.5	6.5
1.0	15.0	1.0	0.0	0.0	-245.2	501.0	500.3	16.4
1.0	15.0	0.0	1.0	0.0	-342.4	695.4	694.7	10.9
1.0	15.0	0.0	1.0	0.0	-147.1	305.2	304.1	2.5
1.0	15.0	0.0	0.0	0.0	-80.1	162.2	162.1	0.8
1.0	15.0	1.0	0.0	0.0	-110.9	232.9	231.8	7.6
1.0	15.0	0.0	1.0	0.0	-173.9	358.8	357.7	4.5
1.0	15.0	0.0	1.0	0.0	-296.7	604.0	603.3	9.4
1.0	15.0	0.0	0.0	0.0	-216.4	434.9	434.9	8.1
1.0	15.0	1.0	0.0	0.0	-225.7	462.2	461.5	29.0
1.0	15.0	0.0	1.0	0.0	-389.5	781.1	781.0	20.7
1.0	15.0	0.0	1.0	0.0	-280.9	572.6	571.9	6.1
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	1.3
1.0	15.0	1.0	0.0	0.0	-142.9	296.4	295.7	2.2
1.0	15.0	0.0	1.0	0.0	-293.8	598.4	597.7	8.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-261.3	533.3	532.6	11.9
1.0	15.0	0.0	1.0	0.0	-214.8	431.7	431.7	6.2
1.0	15.0	1.0	0.0	0.0	-220.8	452.2	451.5	24.4
1.0	15.0	0.0	1.0	0.0	-360.5	731.8	731.1	16.1
1.0	15.0	0.0	1.0	0.0	-126.5	264.6	263.1	7.2
1.0	15.0	3.0	1.0	0.0	-151.0	322.1	318.1	7.9
0.6	15.0	2.0	0.0	0.0	-128.8	277.5	273.5	5.3
1.0	15.0	0.0	1.0	0.0	-158.8	329.1	327.6	9.0
1.0	15.0	0.0	2.0	0.0	-144.1	299.7	298.2	7.7
0.9	15.0	1.0	1.0	0.0	-167.5	346.5	345.0	21.9
0.9	15.0	1.0	0.0	0.0	-160.8	323.6	323.5	18.6
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.7	14.1
1.0	15.0	0.0	3.0	0.0	-122.7	257.0	255.5	4.2
1.0	15.0	4.0	0.0	0.0	-155.6	331.3	327.3	10.9
1.0	15.0	4.0	0.0	0.0	-155.5	331.1	327.1	12.0
1.0	15.0	0.0	1.0	0.0	-159.6	321.2	321.1	9.0
1.0	15.0	0.0	1.0	0.0	-117.4	246.3	244.8	4.0
1.0	15.0	1.0	1.0	0.0	-154.2	328.4	324.4	13.9
1.0	15.0	0.0	0.0	0.0	-133.8	269.7	269.6	6.6
1.0	15.0	0.0	1.0	0.0	-149.2	309.9	308.4	7.5
1.0	15.0	0.0	1.0	0.0	-150.0	311.4	309.9	7.0
1.0	15.0	0.0	0.0	0.0	-101.7	205.4	205.3	3.1
1.0	15.0	1.0	0.0	0.0	-105.6	222.8	221.3	4.1
1.0	15.0	0.0	1.0	0.0	-165.8	343.1	341.5	10.6
1.0	15.0	0.0	1.0	0.0	-133.0	277.6	276.1	5.5
0.9	15.0	0.0	1.0	0.0	-108.2	228.0	226.5	2.3
1.0	15.0	1.0	0.0	0.0	-117.4	246.4	244.9	17.6
1.0	15.0	0.0	1.0	0.0	-153.4	318.3	316.7	7.9
1.0	15.0	0.0	1.0	0.0	-125.6	262.8	261.3	3.8
1.0	15.0	2.0	1.0	0.0	-166.4	344.2	342.7	35.1
1.0	15.0	2.0	0.0	0.0	-122.9	257.4	255.9	20.3
1.0	15.0	0.0	1.0	0.0	-162.2	336.0	334.5	9.6
1.0	15.0	0.0	1.0	0.0	-138.9	289.3	287.7	8.0
1.0	15.0	0.0	0.0	0.0	-82.1	166.3	166.2	3.7
1.0	15.0	1.0	0.0	0.0	-112.0	235.5	234.0	8.0
1.0	15.0	0.0	2.0	0.0	-185.8	383.1	381.6	15.8
0.8	15.0	0.0	1.0	0.0	-124.4	260.3	258.7	4.6
1.0	15.0	1.0	0.0	0.0	-144.3	300.2	298.7	10.3
1.0	15.0	1.0	0.0	0.0	-128.1	267.8	266.3	9.2
1.0	15.0	0.0	0.0	0.0	-143.4	288.8	288.7	6.2
0.7	15.0	1.0	1.0	0.0	-159.4	330.3	328.8	8.2
1.0	15.0	3.0	2.0	0.0	-197.5	415.0	411.0	22.0
1.0	15.0	2.0	2.0	0.0	-176.9	373.8	369.8	16.0
1.0	15.0	0.0	0.0	0.0	-167.3	336.8	336.7	9.9
1.0	15.0	0.0	4.0	0.0	-124.7	261.0	259.4	4.0
1.0	15.0	1.0	2.0	0.0	-110.6	241.2	237.2	2.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-106.8	233.6	229.6	2.4
1.0	15.0	0.0	1.0	0.0	-169.3	340.8	340.7	11.6
1.0	15.0	0.0	4.0	0.0	-144.6	300.7	299.2	8.8
1.0	15.0	4.0	0.0	0.0	-142.8	297.1	295.6	6.2
1.0	15.0	4.0	0.0	0.0	-142.6	296.8	295.3	7.7
1.0	15.0	0.0	0.0	0.0	-143.5	289.2	289.1	5.3
1.0	15.0	0.0	2.0	0.0	-136.2	283.9	282.3	11.3
1.0	15.0	0.0	0.0	0.0	-153.5	309.1	309.0	9.9
1.0	15.0	2.0	0.0	0.0	-143.3	298.1	296.6	10.6
1.0	15.0	0.0	1.0	0.0	-166.7	344.9	343.4	15.3
1.0	15.0	0.0	4.0	0.0	-158.7	328.9	327.3	12.1
0.9	15.0	5.0	1.0	0.0	-218.8	449.2	447.6	87.4
0.9	15.0	4.0	0.0	0.0	-187.8	387.1	385.6	36.1
0.9	15.0	0.0	1.0	0.0	-184.2	379.9	378.3	22.3
1.0	15.0	0.0	1.0	0.0	-153.8	319.1	317.5	8.4
1.0	15.0	0.0	0.0	0.0	-110.1	222.2	222.1	3.2
1.0	15.0	1.0	0.0	0.0	-126.5	264.6	263.1	19.0
1.0	15.0	0.0	1.0	0.0	-178.9	369.4	367.8	13.6
0.9	15.0	0.0	1.0	0.0	-157.2	325.9	324.4	17.4
1.0	15.0	1.0	0.0	0.0	-96.8	205.2	203.7	6.3
0.8	15.0	1.0	0.0	0.0	-132.3	276.1	274.6	33.6
0.8	15.0	0.0	3.0	0.0	-184.4	380.4	378.9	19.5
1.0	15.0	0.0	1.0	0.0	-135.7	283.0	281.4	12.5
1.0	15.0	0.0	0.0	0.0	-110.3	222.6	222.6	3.8
0.7	15.0	1.0	0.0	0.0	-125.5	262.5	260.9	39.2
1.0	15.0	0.0	1.0	0.0	-153.4	318.4	316.9	14.3
1.0	15.0	0.0	3.0	0.0	-117.1	245.8	244.3	3.5
1.0	15.0	0.0	0.0	0.0	-120.5	243.2	243.1	5.3
1.0	15.0	3.0	0.0	0.0	-151.6	314.7	313.2	54.1
1.0	15.0	0.0	3.0	0.0	-136.7	284.9	283.3	4.6
1.0	15.0	0.0	2.0	0.0	-126.1	263.8	262.2	4.3
1.0	15.0	2.0	1.0	0.0	-146.1	312.1	308.1	6.5
1.0	15.0	3.0	0.0	0.0	-158.7	328.9	327.3	9.4
1.0	15.0	0.0	2.0	0.0	-136.0	283.5	281.9	4.9
1.0	15.0	0.0	1.0	0.0	-141.0	293.5	291.9	5.4
1.0	15.0	0.0	1.0	0.0	-111.0	233.5	232.0	5.7
1.0	15.0	1.0	0.0	0.0	-122.3	256.1	254.5	10.6
1.0	15.0	0.0	2.0	0.0	-173.7	359.0	357.4	11.2
1.0	15.0	0.0	2.0	0.0	-112.9	237.4	235.9	3.2
1.0	15.0	0.0	0.0	0.0	-75.5	153.0	152.9	1.4
1.0	15.0	1.0	0.0	0.0	-86.6	184.8	183.3	3.5
1.0	15.0	0.0	3.0	0.0	-129.5	270.6	269.1	4.3
1.0	15.0	0.0	2.0	0.0	-133.5	278.6	277.1	5.1
1.0	15.0	0.0	0.0	0.0	-90.3	182.6	182.5	3.5
1.0	15.0	1.0	0.0	0.0	-107.0	225.4	223.9	3.4
1.0	15.0	0.0	2.0	0.0	-171.2	353.9	352.3	10.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-111.4	234.3	232.7	2.9
1.0	15.0	0.0	0.0	0.0	-92.2	186.4	186.3	3.1
1.0	15.0	1.0	0.0	0.0	-70.9	153.3	151.7	1.2
1.0	15.0	0.0	2.0	0.0	-149.2	309.9	308.4	11.9
1.0	15.0	0.0	3.0	0.0	-129.6	270.6	269.1	8.0
1.0	15.0	0.0	2.0	0.0	-122.6	256.7	255.2	5.8
1.0	15.0	3.0	0.0	0.0	-118.7	257.4	253.4	11.5
1.0	15.0	0.0	3.0	0.0	-171.6	354.7	353.1	11.9
1.0	15.0	0.0	2.0	0.0	-128.5	268.6	267.1	5.0
1.0	15.0	2.0	0.0	0.0	-118.1	256.3	252.3	4.5
0.9	15.0	3.0	0.0	0.0	-132.6	276.7	275.2	11.1
1.0	15.0	0.0	1.0	0.0	-136.9	285.4	283.8	5.6
1.0	15.0	2.0	0.0	0.0	-155.6	322.8	321.3	9.7
1.0	15.0	2.0	1.0	0.0	-172.6	365.1	361.1	22.3
1.0	15.0	0.0	1.0	0.0	-134.7	281.0	279.5	10.7
1.0	15.0	0.0	2.0	0.0	-168.2	348.0	346.5	10.0
1.0	15.0	0.0	2.0	0.0	-121.7	255.0	253.4	3.6
1.0	15.0	0.0	0.0	0.0	-59.5	121.1	121.0	0.7
1.0	15.0	2.0	0.0	0.0	-68.1	147.7	146.2	0.6
1.0	15.0	0.0	3.0	0.0	-168.1	347.8	346.2	13.4
1.0	15.0	0.0	2.0	0.0	-130.0	271.5	270.0	5.2
1.0	15.0	4.0	0.0	0.0	-134.8	281.1	279.6	15.5
1.0	15.0	3.0	0.0	0.0	-128.0	267.4	265.9	14.7
1.0	15.0	0.0	1.0	0.0	-136.2	283.8	282.3	5.1
1.0	15.0	0.0	2.0	0.0	-115.1	241.8	240.2	7.7
1.0	15.0	5.0	0.0	0.0	-139.6	290.6	289.1	7.7
1.0	15.0	4.0	0.0	0.0	-134.8	281.1	279.5	8.7
1.0	15.0	0.0	0.0	0.0	-125.6	253.3	253.2	5.8
1.0	15.0	0.0	0.0	0.0	-122.9	247.9	247.8	4.5
1.0	15.0	4.0	0.0	0.0	-178.2	368.0	366.4	14.4
1.0	15.0	2.0	0.0	0.0	-143.0	297.6	296.0	9.2
1.0	15.0	0.0	0.0	0.0	-154.7	311.5	311.4	9.9
1.0	15.0	0.0	2.0	0.0	-137.7	287.0	285.5	6.7
1.0	15.0	2.0	0.0	0.0	-119.9	251.3	249.7	9.6
0.9	15.0	2.0	0.0	0.0	-126.1	263.8	262.3	13.6
1.0	15.0	0.0	0.0	0.0	-155.9	314.0	313.9	12.9
1.0	15.0	0.0	0.0	0.0	-408.3	818.7	818.7	4.8
1.0	15.0	1.0	0.0	0.0	-491.2	992.8	992.3	10.1
1.0	15.0	1.0	0.0	0.0	-379.7	769.9	769.4	4.6
1.0	15.0	0.0	0.0	0.0	-457.2	916.5	916.5	7.7
1.0	15.0	0.0	2.0	0.0	-139.5	290.6	289.1	7.1
1.0	15.0	2.0	0.0	0.0	-138.1	296.1	292.1	6.9
1.0	15.0	3.0	0.0	0.0	-137.5	286.5	285.0	6.9
0.9	15.0	0.0	1.0	0.0	-140.1	291.8	290.2	8.7
1.0	15.0	0.0	2.0	0.0	-140.7	293.0	291.5	11.8
1.0	15.0	0.0	2.0	0.0	-182.1	375.7	374.1	21.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-137.6	295.4	291.3	6.3
1.0	15.0	0.0	3.0	0.0	-158.1	327.7	326.2	17.2
1.0	15.0	0.0	2.0	0.0	-152.7	317.0	315.5	9.5
1.0	15.0	0.0	1.0	0.0	-122.0	255.5	253.9	10.3
1.0	15.0	1.0	0.0	0.0	-131.9	275.3	273.7	12.4
1.0	15.0	0.0	2.0	0.0	-134.7	281.0	279.4	7.8
1.0	15.0	0.0	1.0	0.0	-118.6	248.8	247.2	3.4
1.0	15.0	0.0	0.0	0.0	-76.8	155.6	155.6	1.5
1.0	15.0	1.0	0.0	0.0	-78.9	169.4	167.8	3.3
1.0	15.0	0.0	3.0	0.0	-122.3	256.1	254.6	9.6
1.0	15.0	0.0	3.0	0.0	-134.5	280.5	279.0	12.8
1.0	15.0	0.0	0.0	0.0	-88.8	179.6	179.5	3.2
0.9	15.0	2.0	0.0	0.0	-130.1	271.8	270.2	19.9
1.0	15.0	0.0	2.0	0.0	-170.7	352.9	351.4	18.7
1.0	15.0	0.0	2.0	0.0	-144.5	300.6	299.0	13.0
1.0	15.0	2.0	0.0	0.0	-81.9	183.8	179.8	1.3
1.0	15.0	2.0	0.0	0.0	-81.6	174.7	173.2	3.6
1.0	15.0	0.0	2.0	0.0	-155.8	323.1	321.5	15.8
1.0	15.0	0.0	0.0	0.0	-235.1	472.2	472.2	4.2
1.0	15.0	2.0	0.0	0.0	-344.9	700.5	699.7	22.6
1.0	15.0	3.0	0.0	0.0	-278.6	567.9	567.2	8.5
1.0	15.0	0.0	0.0	0.0	-320.4	642.8	642.7	10.1
1.0	15.0	0.0	0.0	0.0	-124.3	250.7	250.6	3.6
1.0	15.0	1.0	0.0	0.0	-151.4	314.3	312.7	7.8
1.0	15.0	1.0	0.0	0.0	-117.8	247.1	245.6	3.7
1.0	15.0	0.0	0.0	0.0	-154.4	310.8	310.7	7.0
1.0	15.0	0.0	0.0	0.0	-121.9	245.8	245.7	3.7
1.0	15.0	2.0	0.0	0.0	-162.8	337.2	335.6	10.0
1.0	15.0	1.0	0.0	0.0	-135.3	282.1	280.6	4.4
1.0	15.0	0.0	0.0	0.0	-146.5	295.0	294.9	6.5
1.0	15.0	1.0	0.0	0.0	-127.8	267.2	265.7	4.6
1.0	15.0	1.0	1.0	0.0	-175.2	370.5	366.5	15.5
1.0	15.0	1.0	1.0	0.0	-132.4	284.9	280.9	9.3
1.0	15.0	0.0	1.0	0.0	-175.7	353.5	353.4	13.4
1.0	15.0	0.0	0.0	0.0	-128.2	258.6	258.5	4.4
1.0	15.0	2.0	0.0	0.0	-120.2	260.5	256.5	5.8
1.0	15.0	2.0	0.0	0.0	-116.8	245.1	243.6	5.0
1.0	15.0	0.0	1.0	0.0	-165.5	333.1	333.0	10.7
1.0	15.0	0.0	0.0	0.0	-137.7	277.4	277.3	5.4
1.0	15.0	2.0	1.0	0.0	-181.2	382.5	378.4	20.3
1.0	15.0	2.0	1.0	0.0	-145.2	310.5	306.4	10.5
1.0	15.0	0.0	1.0	0.0	-166.6	335.3	335.2	13.6
1.0	15.0	2.0	0.0	0.0	-115.9	243.3	241.7	2.9
1.0	15.0	2.0	0.0	0.0	-109.2	229.9	228.3	2.4
0.9	15.0	2.0	0.0	0.0	-99.0	209.6	208.1	1.5
1.0	15.0	0.0	0.0	0.0	-149.2	300.6	300.5	7.0



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-117.7	246.9	245.3	3.4
1.0	15.0	4.0	0.0	0.0	-121.9	263.7	259.7	4.6
1.0	15.0	4.0	0.0	0.0	-117.2	254.5	250.5	4.0
1.0	15.0	0.0	0.0	0.0	-142.6	287.2	287.1	6.2
1.0	15.0	0.0	1.0	0.0	-132.4	276.3	274.8	5.3
1.0	15.0	2.0	0.0	0.0	-119.6	259.1	255.1	5.5
1.0	15.0	2.0	0.0	0.0	-114.8	241.1	239.5	7.4
1.0	15.0	0.0	1.0	0.0	-161.4	334.4	332.9	8.6
1.0	15.0	0.0	3.0	0.0	-135.7	291.4	287.4	5.0
1.0	15.0	3.0	0.0	0.0	-152.9	325.9	321.9	10.5
1.0	15.0	3.0	0.0	0.0	-148.2	316.4	312.4	12.5
1.0	15.0	0.0	0.0	0.0	-126.0	254.0	253.9	5.4
1.0	15.0	0.0	3.0	0.0	-129.3	270.1	268.6	4.4
1.0	15.0	5.0	0.0	0.0	-117.7	255.3	251.3	19.7
1.0	15.0	5.0	0.0	0.0	-117.5	254.9	250.9	14.9
1.0	15.0	0.0	3.0	0.0	-168.4	348.4	346.9	10.8
1.0	15.0	0.0	0.0	0.0	-119.4	240.9	240.8	3.5
1.0	15.0	1.0	0.0	0.0	-138.8	289.1	287.6	6.3
1.0	15.0	2.0	0.0	0.0	-142.8	297.1	295.5	6.7
1.0	15.0	0.0	0.0	0.0	-120.7	243.4	243.3	3.4
1.0	15.0	0.0	2.0	0.0	-124.4	260.3	258.8	3.7
1.0	15.0	2.0	0.0	0.0	-135.2	282.0	280.5	6.4
1.0	15.0	2.0	0.0	0.0	-121.0	253.5	252.0	4.8
1.0	15.0	0.0	0.0	0.0	-144.2	290.6	290.5	5.9
1.0	15.0	0.0	0.0	0.0	-135.8	273.7	273.7	5.2
1.0	15.0	3.0	0.0	0.0	-148.8	309.2	307.7	8.1
1.0	15.0	2.0	0.0	0.0	-109.8	231.1	229.6	2.8
1.0	15.0	0.0	0.0	0.0	-142.5	287.2	287.1	5.4
1.0	15.0	0.0	3.0	0.0	-115.7	243.0	241.4	3.3
1.0	15.0	3.0	0.0	0.0	-134.4	280.4	278.8	5.0
1.0	15.0	3.0	0.0	0.0	-131.8	275.1	273.6	5.4
1.0	15.0	0.0	0.0	0.0	-142.5	287.1	287.1	6.8
1.0	15.0	0.0	0.0	0.0	-134.1	270.2	270.1	4.5
1.0	15.0	2.0	0.0	0.0	-159.0	329.5	328.0	10.3
1.0	15.0	2.0	0.0	0.0	-122.9	257.3	255.7	6.1
1.0	15.0	0.0	0.0	0.0	-141.2	284.6	284.5	6.6
1.0	15.0	0.0	0.0	0.0	-129.9	261.9	261.8	4.6
0.6	15.0	1.0	0.0	0.0	-172.9	357.4	355.9	15.6
1.0	15.0	1.0	0.0	0.0	-138.4	288.3	286.7	5.8
1.0	15.0	0.0	1.0	0.0	-132.0	266.2	266.1	9.7
1.0	15.0	0.0	3.0	0.0	-115.1	241.7	240.1	5.6
1.0	15.0	0.0	0.0	0.0	-154.2	310.6	310.5	9.9
1.0	15.0	1.0	0.0	0.0	-135.9	283.4	281.8	6.9
1.0	15.0	0.0	0.0	0.0	-143.0	288.1	288.1	5.9
1.0	15.0	0.0	2.0	0.0	-133.8	279.1	277.5	4.6
1.0	15.0	0.0	0.0	0.0	-110.0	222.1	222.0	3.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-113.9	239.3	237.8	3.6
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.8	7.2
1.0	15.0	0.0	2.0	0.0	-117.8	247.2	245.7	3.0
1.0	15.0	0.0	0.0	0.0	-61.2	124.4	124.3	0.8
1.0	15.0	2.0	0.0	0.0	-66.9	145.3	143.8	0.5
1.0	15.0	1.0	0.0	0.0	-130.6	263.3	263.3	5.3
1.0	15.0	0.0	3.0	0.0	-124.3	260.2	258.6	4.1
1.0	15.0	0.0	0.0	0.0	-93.7	189.6	189.5	2.5
1.0	15.0	1.0	0.0	0.0	-98.8	209.2	207.7	2.7
1.0	15.0	0.0	0.0	0.0	-174.0	350.1	350.0	11.3
1.0	15.0	0.0	1.0	0.0	-118.9	249.3	247.8	3.4
1.0	15.0	0.0	0.0	0.0	-118.8	239.6	239.5	4.0
0.9	15.0	1.0	0.0	0.0	-89.0	189.5	187.9	2.4
1.0	15.0	0.0	0.0	0.0	-168.2	338.4	338.3	9.8
1.0	15.0	0.0	0.0	0.0	-114.5	231.2	231.1	3.7
1.0	15.0	2.0	0.0	0.0	-159.0	329.6	328.0	8.6
1.0	15.0	1.0	0.0	0.0	-136.1	283.8	282.3	5.4
1.0	15.0	0.0	0.0	0.0	-140.7	283.4	283.3	4.9
1.0	15.0	0.0	0.0	0.0	-135.1	272.4	272.3	5.3
0.6	15.0	2.0	0.0	0.0	-181.5	374.7	373.1	17.5
1.0	15.0	0.0	0.0	0.0	-128.6	259.4	259.3	6.4
1.0	15.0	0.0	0.0	0.0	-159.9	322.0	321.9	9.0
1.0	15.0	0.0	4.0	0.0	-133.0	277.5	275.9	4.5
1.0	15.0	4.0	0.0	0.0	-151.3	322.5	318.5	7.9
1.0	15.0	4.0	0.0	0.0	-147.7	315.4	311.4	9.2
1.0	15.0	0.0	2.0	0.0	-133.8	279.1	277.5	5.3
1.0	15.0	0.0	1.0	0.0	-123.6	258.7	257.2	3.8
1.0	15.0	2.0	1.0	0.0	-165.5	351.0	347.0	23.5
0.9	15.0	1.0	0.0	0.0	-128.6	268.8	267.3	8.5
1.0	15.0	0.0	1.0	0.0	-155.8	323.2	321.7	9.1
1.0	15.0	0.0	1.0	0.0	-143.7	299.0	297.5	5.7
1.0	15.0	0.0	0.0	0.0	-104.2	210.5	210.4	9.3
1.0	15.0	1.0	0.0	0.0	-115.2	241.9	240.4	5.7
1.0	15.0	0.0	1.0	0.0	-172.2	355.9	354.4	10.9
1.0	15.0	0.0	1.0	0.0	-126.1	263.7	262.1	3.6
1.0	15.0	0.0	0.0	0.0	-79.5	161.2	161.1	1.9
1.0	15.0	1.0	0.0	0.0	-76.2	164.0	162.5	7.3
1.0	15.0	0.0	2.0	0.0	-121.7	254.9	253.4	6.1
1.0	15.0	0.0	1.0	0.0	-139.3	290.2	288.7	5.7
1.0	15.0	0.0	0.0	0.0	-123.7	249.5	249.5	4.3
0.7	15.0	1.0	0.0	0.0	-104.5	220.5	218.9	19.9
1.0	15.0	0.0	1.0	0.0	-169.8	351.1	349.5	10.6
1.0	15.0	0.0	0.0	0.0	-128.8	259.6	259.6	4.0
1.0	15.0	10.0	0.0	0.0	-156.0	323.5	322.0	8.4
1.0	15.0	9.0	0.0	0.0	-137.1	285.8	284.2	4.8
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	6.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-123.3	248.7	248.6	4.3
1.0	15.0	2.0	0.0	0.0	-157.9	327.5	325.9	9.1
1.0	15.0	1.0	0.0	0.0	-128.3	268.1	266.5	4.8
1.0	15.0	0.0	0.0	0.0	-150.7	303.4	303.3	7.4
1.0	15.0	0.0	0.0	0.0	-137.5	277.1	277.0	5.0
1.0	15.0	3.0	0.0	0.0	-165.1	341.8	340.3	9.7
1.0	15.0	3.0	0.0	0.0	-142.2	295.9	294.4	6.3
1.0	15.0	0.0	0.0	0.0	-159.2	320.6	320.5	8.4
1.0	15.0	0.0	0.0	0.0	-133.4	268.9	268.8	6.0
1.0	15.0	1.0	0.0	0.0	-130.5	272.5	271.0	6.2
1.0	15.0	1.0	0.0	0.0	-118.6	248.8	247.2	5.5
1.0	15.0	0.0	0.0	0.0	-139.0	280.1	280.0	5.4
1.0	15.0	0.0	2.0	0.0	-761.1	1532.5	1532.3	4.4
0.6	15.0	2.0	0.0	0.0	-1056.2	2122.6	2122.3	13.5
0.9	15.0	2.0	0.0	0.0	-811.0	1632.2	1631.9	6.0
1.0	15.0	0.0	0.0	0.0	-910.0	1822.0	1822.0	7.4
0.9	15.0	0.0	3.0	0.0	-528.3	1067.0	1066.7	4.4
1.0	15.0	2.0	0.0	0.0	-628.2	1273.3	1272.5	10.4
0.5	15.0	3.0	0.0	0.0	-534.6	1086.0	1085.1	4.8
1.0	15.0	0.0	0.0	0.0	-627.1	1256.2	1256.1	8.4
1.0	15.0	0.0	2.0	0.0	-777.0	1564.2	1563.9	4.9
1.0	15.0	2.0	0.0	0.0	-976.7	1969.9	1969.3	9.9
1.0	15.0	2.0	0.0	0.0	-777.2	1564.6	1564.4	6.5
1.0	15.0	0.0	0.0	0.0	-898.5	1798.9	1798.9	6.8
1.0	15.0	0.0	2.0	0.0	-132.1	275.7	274.1	4.4
1.0	15.0	4.0	0.0	0.0	-130.5	272.5	270.9	5.7
1.0	15.0	4.0	0.0	0.0	-129.3	270.1	268.6	6.2
1.0	15.0	0.0	0.0	0.0	-166.5	335.2	335.1	10.1
1.0	15.0	0.0	2.0	0.0	-129.6	270.8	269.2	5.1
0.7	15.0	1.0	0.0	0.0	-172.7	356.9	355.3	13.3
1.0	15.0	2.0	0.0	0.0	-119.2	250.0	248.4	8.7
1.0	15.0	0.0	0.0	0.0	-146.5	295.2	295.1	6.1
1.0	15.0	0.0	3.0	0.0	-131.5	274.5	273.0	4.8
1.0	15.0	4.0	0.0	0.0	-170.4	352.3	350.7	16.9
1.0	15.0	3.0	0.0	0.0	-155.2	322.0	320.4	9.1
1.0	15.0	0.0	0.0	0.0	-161.5	325.0	324.9	8.0
1.0	15.0	0.0	3.0	0.0	-148.6	308.7	307.1	8.0
1.0	15.0	4.0	0.0	0.0	-183.3	386.6	382.6	12.6
1.0	15.0	5.0	0.0	0.0	-171.6	363.3	359.3	11.6
1.0	15.0	0.0	1.0	0.0	-164.6	340.6	339.1	9.5
1.0	15.0	0.0	2.0	0.0	-112.0	235.6	234.0	3.3
1.0	15.0	2.0	0.0	0.0	-154.6	320.7	319.1	8.0
1.0	15.0	2.0	0.0	0.0	-141.3	294.1	292.6	7.2
1.0	15.0	1.0	0.0	0.0	-156.4	314.9	314.8	8.2
1.0	15.0	0.0	2.0	0.0	-135.4	282.3	280.8	5.1
1.0	15.0	0.0	0.0	0.0	-103.9	209.9	209.8	2.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-105.4	222.3	220.7	2.3
1.0	15.0	0.0	0.0	0.0	-159.2	320.4	320.3	8.3
1.0	15.0	0.0	2.0	0.0	-112.5	236.5	234.9	3.0
1.0	15.0	0.0	0.0	0.0	-63.0	128.0	127.9	0.9
0.9	15.0	2.0	0.0	0.0	-73.8	159.2	157.7	1.1
1.0	15.0	1.0	0.0	0.0	-140.5	283.1	283.0	6.2
1.0	15.0	0.0	1.0	0.0	-141.7	294.8	293.3	6.7
1.0	15.0	0.0	0.0	0.0	-83.0	168.2	168.1	2.2
1.0	15.0	1.0	0.0	0.0	-105.7	222.9	221.4	8.3
1.0	15.0	0.0	0.0	0.0	-174.8	351.7	351.6	10.4
1.0	15.0	0.0	4.0	0.0	-135.4	282.3	280.8	6.9
1.0	15.0	2.0	2.0	0.0	-151.8	323.7	319.7	9.2
0.9	15.0	4.0	0.0	0.0	-161.4	334.4	332.9	12.8
1.0	15.0	0.0	3.0	0.0	-158.1	327.8	326.3	11.6
1.0	15.0	0.0	3.0	0.0	-139.8	291.1	289.6	5.2
1.0	15.0	0.0	2.0	0.0	-122.4	256.3	254.8	4.0
1.0	15.0	2.0	0.0	0.0	-143.7	299.0	297.4	16.4
1.0	15.0	0.0	3.0	0.0	-174.4	360.3	358.7	11.9
0.9	15.0	0.0	4.0	0.0	-140.9	293.4	291.9	10.7
1.0	15.0	0.0	0.0	0.0	-80.4	162.9	162.8	1.6
1.0	15.0	2.0	0.0	0.0	-111.4	234.4	232.9	12.8
1.0	15.0	0.0	4.0	0.0	-171.5	354.6	353.1	15.2
1.0	15.0	0.0	4.0	0.0	-128.4	268.4	266.9	5.6
1.0	15.0	0.0	3.0	0.0	-101.0	213.6	212.1	1.6
0.7	15.0	3.0	0.0	0.0	-133.1	286.2	282.2	15.6
1.0	15.0	0.0	5.0	0.0	-151.6	314.8	313.3	7.4
1.0	15.0	0.0	3.0	0.0	-128.3	268.2	266.7	5.6
1.0	15.0	0.0	0.0	0.0	-92.5	187.2	187.1	2.2
1.0	15.0	2.0	0.0	0.0	-80.6	172.8	171.3	2.4
1.0	15.0	0.0	3.0	0.0	-155.5	322.4	320.9	8.0
1.0	15.0	0.0	4.0	0.0	-137.9	287.3	285.8	5.3
1.0	15.0	0.0	3.0	0.0	-115.5	242.5	241.0	3.0
1.0	15.0	3.0	0.0	0.0	-134.1	279.8	278.3	13.2
1.0	15.0	0.0	3.0	0.0	-151.3	314.0	312.5	7.0
1.0	15.0	0.0	0.0	0.0	-129.3	260.6	260.5	5.1
1.0	15.0	2.0	0.0	0.0	-130.9	273.3	271.7	4.7
1.0	15.0	2.0	0.0	0.0	-131.6	274.6	273.1	5.0
1.0	15.0	0.0	0.0	0.0	-137.7	277.5	277.4	5.9
1.0	15.0	0.0	0.0	0.0	-135.6	273.3	273.2	5.3
1.0	15.0	3.0	0.0	0.0	-133.1	277.8	276.3	6.5
1.0	15.0	2.0	0.0	0.0	-128.0	267.5	266.0	7.9
1.0	15.0	0.0	0.0	0.0	-173.3	348.7	348.6	11.5
1.0	15.0	0.0	1.0	0.0	-140.0	291.5	290.0	5.1
1.0	15.0	0.0	0.0	0.0	-129.1	260.2	260.1	4.5
1.0	15.0	1.0	0.0	0.0	-147.8	307.2	305.6	21.6
1.0	15.0	0.0	1.0	0.0	-166.6	344.7	343.1	10.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-126.6	264.7	263.2	6.8
1.0	15.0	0.0	0.0	0.0	-68.2	138.5	138.4	3.0
1.0	15.0	2.0	0.0	0.0	-115.5	242.6	241.1	21.2
0.9	15.0	1.0	4.0	0.0	-167.2	354.4	350.4	12.1
1.0	15.0	0.0	2.0	0.0	-137.3	286.2	284.7	6.4
1.0	15.0	2.0	0.0	0.0	-137.7	295.4	291.4	8.4
1.0	15.0	4.0	0.0	0.0	-158.4	328.4	326.8	57.3
1.0	15.0	0.0	4.0	0.0	-155.8	323.2	321.6	8.4
1.0	15.0	0.0	6.0	0.0	-146.2	304.0	302.4	15.7
0.7	15.0	2.0	0.0	0.0	-132.6	285.3	281.3	7.1
1.0	15.0	3.0	0.0	0.0	-140.7	293.0	291.4	10.9
1.0	15.0	0.0	6.0	0.0	-171.6	354.7	353.1	10.0
1.0	15.0	4.0	0.0	0.0	-143.4	298.2	296.7	9.8
0.8	15.0	1.0	1.0	0.0	-190.6	401.1	397.1	22.0
1.0	15.0	0.0	3.0	0.0	-152.3	316.2	314.7	12.2
1.0	15.0	0.0	4.0	0.0	-164.0	339.5	337.9	14.4
1.0	15.0	0.0	1.0	0.0	-138.1	287.7	286.2	6.1
1.0	15.0	0.0	0.0	0.0	-63.4	128.8	128.7	0.8
0.6	15.0	1.0	0.0	0.0	-74.9	161.4	159.8	3.1
1.0	15.0	1.0	4.0	0.0	-175.1	361.7	360.2	15.7
1.0	15.0	1.0	3.0	0.0	-142.6	296.7	295.1	6.1
1.0	15.0	3.0	0.0	0.0	-145.7	302.9	301.3	11.0
1.0	15.0	4.0	0.0	0.0	-145.5	302.5	301.0	15.8
1.0	15.0	0.0	5.0	0.0	-154.7	320.8	319.3	7.2
1.0	15.0	0.0	1.0	0.0	-270.3	551.2	550.5	6.1
1.0	15.0	0.0	0.0	0.0	-253.7	509.4	509.3	4.7
1.0	15.0	1.0	0.0	0.0	-275.1	560.8	560.1	20.7
1.0	15.0	0.0	2.0	0.0	-355.2	721.1	720.4	12.3
1.0	15.0	0.0	3.0	0.0	-315.5	641.7	641.0	8.8
1.0	15.0	0.0	0.0	0.0	-163.5	329.1	329.1	1.7
1.0	15.0	1.0	0.0	0.0	-220.4	451.4	450.7	22.7
1.0	15.0	0.0	4.0	0.0	-363.5	737.7	737.0	16.1
1.0	15.0	0.0	1.0	0.0	-286.1	582.8	582.1	9.2
0.6	15.0	3.0	0.0	0.0	-254.3	526.5	524.7	7.1
1.0	15.0	2.0	0.0	0.0	-295.0	600.6	599.9	28.9
1.0	15.0	0.0	2.0	0.0	-374.2	759.2	758.4	15.7
1.0	15.0	0.0	5.0	0.0	-321.0	652.7	652.0	8.9
1.0	15.0	2.0	0.0	0.0	-284.2	586.2	584.4	7.7
1.0	15.0	6.0	0.0	0.0	-328.3	667.3	666.6	24.6
1.0	15.0	0.0	2.0	0.0	-349.1	709.0	708.3	11.7
0.9	15.0	0.0	2.0	0.0	-131.2	274.0	272.4	8.1
0.8	15.0	2.0	2.0	0.0	-185.5	391.0	387.0	16.9
1.0	15.0	2.0	2.0	0.0	-158.4	336.9	332.9	9.8
1.0	15.0	0.0	2.0	0.0	-150.6	312.7	311.2	7.3
1.0	15.0	0.0	3.0	0.0	-135.0	281.5	279.9	14.2
1.0	15.0	0.0	0.0	0.0	-83.1	168.3	168.2	1.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	3.0	0.0	0.0	-110.6	232.8	231.3	10.7
0.9	15.0	0.0	3.0	0.0	-189.5	390.5	388.9	30.1
1.0	15.0	0.0	1.0	0.0	-108.2	228.0	226.5	2.4
0.8	15.0	1.0	0.0	0.0	-82.3	176.2	174.7	3.8
1.0	15.0	1.0	0.0	0.0	-73.7	158.9	157.3	4.4
1.0	15.0	1.0	0.0	0.0	-140.6	283.2	283.1	6.8
1.0	15.0	0.0	7.0	0.0	-134.0	279.5	277.9	4.6
1.0	15.0	9.0	0.0	0.0	-138.9	289.3	287.7	6.0
1.0	15.0	8.0	0.0	0.0	-122.2	256.0	254.4	4.0
1.0	15.0	0.0	0.0	0.0	-157.1	316.3	316.2	7.6
1.0	15.0	0.0	6.0	0.0	-136.6	284.7	283.2	5.0
0.9	15.0	2.0	2.0	0.0	-144.3	308.6	304.6	6.4
1.0	15.0	3.0	2.0	0.0	-133.8	287.5	283.5	5.1
1.0	15.0	1.0	0.0	0.0	-166.9	335.9	335.8	10.7
0.9	15.0	0.0	3.0	0.0	-167.0	345.5	344.0	10.6
1.0	15.0	3.0	3.0	0.0	-183.5	387.0	383.0	20.5
1.0	15.0	2.0	3.0	0.0	-154.8	329.6	325.6	10.5
1.0	15.0	0.0	3.0	0.0	-177.1	365.7	364.2	14.5
1.0	15.0	0.0	4.0	0.0	-110.6	232.7	231.2	2.7
1.0	15.0	0.0	0.0	0.0	-72.5	147.1	147.0	1.4
1.0	15.0	2.0	0.0	0.0	-96.5	204.5	202.9	7.9
1.0	15.0	0.0	7.0	0.0	-176.2	363.9	362.3	12.8
1.0	15.0	0.0	2.0	0.0	-149.4	310.3	308.8	7.0
1.0	15.0	0.0	0.0	0.0	-102.8	207.7	207.6	3.2
1.0	15.0	1.0	0.0	0.0	-107.8	227.1	225.6	2.9
1.0	15.0	0.0	1.0	0.0	-161.4	334.3	332.8	9.0
1.0	15.0	0.0	1.0	0.0	-139.2	290.0	288.4	6.2
1.0	15.0	2.0	0.0	0.0	-110.1	240.2	236.2	4.7
1.0	15.0	3.0	0.0	0.0	-91.0	202.1	198.1	3.2
1.0	15.0	1.0	0.0	0.0	-166.2	334.6	334.5	13.5
0.6	15.0	0.0	3.0	0.0	-132.5	285.0	281.0	5.1
1.0	15.0	7.0	0.0	0.0	-170.6	361.2	357.2	13.5
0.8	15.0	8.0	0.0	0.0	-184.9	389.7	385.7	35.9
1.0	15.0	0.0	1.0	0.0	-175.9	353.9	353.8	14.7
1.0	15.0	0.0	4.0	0.0	-146.3	304.1	302.5	7.6
1.0	15.0	3.0	0.0	0.0	-121.6	254.8	253.2	11.5
1.0	15.0	2.0	0.0	0.0	-129.4	270.4	268.8	9.7
1.0	15.0	0.0	3.0	0.0	-168.5	357.0	353.0	14.9
1.0	15.0	0.0	2.0	0.0	-125.1	270.2	266.2	7.0
0.9	15.0	1.0	2.0	0.0	-116.7	245.0	243.4	4.1
1.0	15.0	1.0	0.0	0.0	-109.5	239.1	235.1	3.2
1.0	15.0	0.0	4.0	0.0	-150.3	320.6	316.6	7.7
1.0	15.0	0.0	1.0	0.0	-147.4	296.9	296.8	6.6
1.0	15.0	2.0	5.0	0.0	-147.9	315.9	311.9	16.4
1.0	15.0	1.0	0.0	0.0	-143.3	306.5	302.5	18.0
1.0	15.0	0.0	0.0	0.0	-150.4	303.0	302.9	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-132.1	275.7	274.1	4.5
1.0	15.0	3.0	2.0	0.0	-156.8	333.7	329.7	8.2
1.0	15.0	2.0	0.0	0.0	-155.6	322.8	321.3	9.0
1.0	15.0	0.0	2.0	0.0	-134.9	281.4	279.8	5.6
1.0	15.0	0.0	2.0	0.0	-148.8	309.2	307.7	7.0
1.0	15.0	2.0	2.0	0.0	-177.6	375.2	371.2	21.4
1.0	15.0	2.0	1.0	0.0	-144.4	308.7	304.7	8.6
1.0	15.0	0.0	3.0	0.0	-158.4	328.3	326.7	7.7
1.0	15.0	0.0	1.0	0.0	-124.6	260.7	259.2	4.6
1.0	15.0	0.0	1.0	0.0	-112.7	236.9	235.3	2.7
1.0	15.0	1.0	0.0	0.0	-120.7	252.9	251.3	15.3
1.0	15.0	0.0	2.0	0.0	-172.4	356.5	354.9	13.3
1.0	15.0	0.0	2.0	0.0	-113.9	239.4	237.9	3.5
1.0	15.0	0.0	0.0	0.0	-73.7	149.5	149.4	1.7
1.0	15.0	1.0	0.0	0.0	-77.1	165.7	164.1	5.2
1.0	15.0	0.0	2.0	0.0	-126.0	263.5	262.0	4.0
1.0	15.0	0.0	1.0	0.0	-129.8	271.1	269.6	6.8
1.0	15.0	1.0	0.0	0.0	-112.2	226.6	226.5	7.0
1.0	15.0	2.0	0.0	0.0	-112.1	235.7	234.2	7.0
1.0	15.0	0.0	3.0	0.0	-181.6	374.8	373.3	13.9
1.0	15.0	0.0	1.0	0.0	-121.7	255.0	253.4	4.9
1.0	15.0	0.0	0.0	0.0	-74.2	150.6	150.5	1.9
1.0	15.0	1.0	0.0	0.0	-67.3	146.2	144.6	1.4
1.0	15.0	0.0	1.0	0.0	-159.5	330.5	329.0	9.5
1.0	15.0	0.0	3.0	0.0	-138.9	289.3	287.7	5.9
1.0	15.0	0.0	1.0	0.0	-107.7	226.8	225.3	2.5
1.0	15.0	3.0	0.0	0.0	-136.7	285.0	283.4	41.8
1.0	15.0	0.0	1.0	0.0	-171.8	355.2	353.7	10.6
1.0	15.0	0.0	0.0	0.0	-118.6	239.3	239.2	3.5
0.8	15.0	1.0	0.0	0.0	-143.8	299.1	297.6	7.7
1.0	15.0	0.0	0.0	0.0	-118.1	238.2	238.2	6.4
1.0	15.0	0.0	0.0	0.0	-138.8	279.7	279.6	5.4
1.0	15.0	0.0	0.0	0.0	-131.6	265.2	265.1	4.8
1.0	15.0	2.0	0.0	0.0	-169.4	350.3	348.7	11.6
1.0	15.0	2.0	0.0	0.0	-128.8	269.1	267.5	4.5
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	9.6
1.0	15.0	0.0	0.0	0.0	-139.7	281.4	281.3	6.0
0.9	15.0	3.0	0.0	0.0	-167.9	347.5	345.9	11.5
1.0	15.0	3.0	0.0	0.0	-127.9	267.4	265.8	7.0
1.0	15.0	1.0	0.0	0.0	-172.3	346.7	346.6	13.5
1.0	15.0	0.0	1.0	0.0	-116.7	244.9	243.4	2.8
1.0	15.0	2.0	0.0	0.0	-110.3	232.1	230.6	2.9
1.0	15.0	3.0	0.0	0.0	-103.8	219.1	217.6	2.2
1.0	15.0	0.0	3.0	0.0	-146.3	304.1	302.6	5.8
1.0	15.0	0.0	3.0	0.0	-122.4	256.4	254.9	4.0
1.0	15.0	5.0	0.0	0.0	-160.3	332.1	330.6	8.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-134.3	280.2	278.7	6.3
1.0	15.0	0.0	0.0	0.0	-164.1	330.3	330.2	9.1
1.0	15.0	1.0	7.0	0.0	-127.5	266.5	265.0	3.8
1.0	15.0	7.0	0.0	0.0	-145.6	302.8	301.3	9.8
1.0	15.0	6.0	0.0	0.0	-131.7	275.0	273.4	10.4
1.0	15.0	0.0	0.0	0.0	-145.1	292.2	292.1	6.8
1.0	15.0	0.0	0.0	0.0	-133.6	269.4	269.3	5.1
1.0	15.0	5.0	0.0	0.0	-173.3	358.2	356.6	13.7
1.0	15.0	4.0	0.0	0.0	-136.5	284.5	282.9	9.2
1.0	15.0	0.0	0.0	0.0	-136.0	274.2	274.1	5.5
0.5	15.0	0.0	2.0	0.0	-128.3	276.7	272.7	5.3
1.0	15.0	3.0	0.0	0.0	-135.6	291.1	287.1	7.3
1.0	15.0	2.0	0.0	0.0	-126.5	273.0	269.0	7.2
1.0	15.0	0.0	1.0	0.0	-143.5	289.0	288.9	8.0
1.0	15.0	0.0	0.0	0.0	-119.8	241.8	241.7	3.7
1.0	15.0	1.0	0.0	0.0	-150.2	311.9	310.4	7.5
1.0	15.0	1.0	0.0	0.0	-114.0	239.5	238.0	4.9
1.0	15.0	0.0	0.0	0.0	-136.3	274.7	274.6	5.3
1.0	15.0	0.0	0.0	0.0	-243.3	488.7	488.6	3.9
1.0	15.0	2.0	0.0	0.0	-286.3	590.3	588.6	6.4
0.8	15.0	3.0	0.0	0.0	-269.1	556.0	554.2	4.9
1.0	15.0	0.0	0.0	0.0	-282.7	567.5	567.4	5.8
1.0	15.0	0.0	0.0	0.0	-236.6	475.3	475.2	3.7
1.0	15.0	2.0	0.0	0.0	-344.3	699.2	698.5	12.3
0.9	15.0	2.0	0.0	0.0	-276.3	563.2	562.5	6.1
1.0	15.0	0.0	0.0	0.0	-311.3	624.6	624.5	8.1
1.0	15.0	0.0	0.0	0.0	-102.8	207.7	207.6	3.4
1.0	15.0	2.0	0.0	0.0	-149.2	310.0	308.5	7.2
1.0	15.0	2.0	0.0	0.0	-112.3	236.2	234.6	3.4
1.0	15.0	0.0	0.0	0.0	-150.2	302.6	302.5	6.8
0.9	15.0	5.0	0.0	0.0	-186.1	383.8	382.3	17.2
0.4	15.0	3.0	7.0	0.0	-224.2	468.5	464.4	35.5
0.6	15.0	2.0	5.0	0.0	-210.2	432.0	430.4	27.1
1.0	15.0	0.0	11.0	0.0	-147.6	306.8	305.3	7.5
0.9	15.0	7.0	0.0	0.0	-134.1	279.8	278.2	4.4
1.0	15.0	2.0	0.0	0.0	-157.9	335.8	331.8	11.4
0.5	15.0	2.0	0.0	0.0	-122.3	264.6	260.6	6.7
1.0	15.0	0.0	10.0	0.0	-153.1	317.8	316.3	7.6
0.8	15.0	5.0	0.0	0.0	-149.3	310.1	308.6	7.0
1.0	15.0	1.0	0.0	0.0	-127.6	275.3	271.3	9.5
1.0	15.0	1.0	0.0	0.0	-127.8	275.5	271.5	5.3
1.0	15.0	0.0	9.0	0.0	-142.4	296.3	294.7	6.1
1.0	15.0	0.0	0.0	0.0	-121.0	244.0	243.9	3.4
1.0	15.0	2.0	0.0	0.0	-141.1	293.7	292.2	5.8
1.0	15.0	2.0	0.0	0.0	-135.1	281.7	280.2	5.3
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.6	4.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-117.2	245.9	244.4	3.1
0.7	15.0	4.0	0.0	0.0	-165.8	351.6	347.6	11.5
1.0	15.0	4.0	0.0	0.0	-118.3	248.1	246.6	3.4
1.0	15.0	0.0	0.0	0.0	-150.7	303.5	303.4	7.8
1.0	15.0	0.0	3.0	0.0	-124.6	260.7	259.2	4.4
1.0	15.0	2.0	1.0	0.0	-180.1	380.3	376.3	13.2
1.0	15.0	4.0	0.0	0.0	-158.1	327.7	326.2	10.3
1.0	15.0	0.0	2.0	0.0	-129.0	269.6	268.0	5.3
1.0	15.0	0.0	1.0	0.0	-124.5	260.6	259.0	5.6
1.0	15.0	1.0	2.0	0.0	-177.2	374.3	370.3	25.5
1.0	15.0	1.0	1.0	0.0	-148.3	316.6	312.6	10.7
1.0	15.0	0.0	2.0	0.0	-165.8	343.1	341.5	12.5
1.0	15.0	0.0	1.0	0.0	-152.1	315.8	314.2	8.9
1.0	15.0	0.0	1.0	0.0	-114.8	241.2	239.7	3.0
1.0	15.0	1.0	0.0	0.0	-134.5	280.6	279.1	10.9
1.0	15.0	0.0	2.0	0.0	-180.6	372.6	371.1	13.6
1.0	15.0	0.0	2.0	0.0	-116.6	244.7	243.1	3.5
1.0	15.0	0.0	0.0	0.0	-65.3	132.6	132.5	1.0
1.0	15.0	1.0	0.0	0.0	-80.4	172.3	170.7	3.7
1.0	15.0	0.0	4.0	0.0	-163.3	338.1	336.6	10.2
1.0	15.0	0.0	1.0	0.0	-131.0	273.5	272.0	4.8
1.0	15.0	0.0	0.0	0.0	-87.8	177.6	177.5	3.0
1.0	15.0	1.0	0.0	0.0	-110.3	232.1	230.6	5.9
1.0	15.0	0.0	2.0	0.0	-178.0	367.6	366.0	13.4
1.0	15.0	0.0	1.0	0.0	-131.4	274.4	272.8	4.6
1.0	15.0	0.0	0.0	0.0	-73.1	148.2	148.1	1.6
1.0	15.0	1.0	0.0	0.0	-64.4	140.4	138.9	0.6
1.0	15.0	0.0	1.0	0.0	-131.1	273.8	272.1	5.7
1.0	15.0	0.0	1.0	0.0	-127.4	266.3	264.7	3.9
0.9	15.0	0.0	1.0	0.0	-102.5	216.5	215.0	1.7
1.0	15.0	1.0	0.0	0.0	-106.8	225.1	223.6	4.2
1.0	15.0	0.0	1.0	0.0	-149.9	311.4	309.9	6.3
1.0	15.0	0.0	2.0	0.0	-117.0	245.6	244.1	3.9
0.8	15.0	2.0	0.0	0.0	-121.2	262.5	258.5	3.9
1.0	15.0	2.0	0.0	0.0	-116.4	244.3	242.8	3.3
1.0	15.0	0.0	2.0	0.0	-144.0	299.6	298.0	5.9
0.9	15.0	0.0	2.0	0.0	-134.1	279.7	278.2	5.4
1.0	15.0	2.0	2.0	0.0	-194.0	408.1	404.1	33.9
1.0	15.0	1.0	0.0	0.0	-153.8	327.7	323.7	11.4
1.0	15.0	0.0	3.0	0.0	-148.9	309.3	307.7	9.6
1.0	15.0	0.0	2.0	0.0	-124.4	260.4	258.8	5.3
1.0	15.0	0.0	0.0	0.0	-67.1	136.3	136.2	1.2
1.0	15.0	1.0	0.0	0.0	-84.1	179.8	178.2	3.8
1.0	15.0	0.0	2.0	0.0	-124.6	260.7	259.1	5.6
1.0	15.0	0.0	1.0	0.0	-135.4	282.2	280.7	6.0
1.0	15.0	0.0	0.0	0.0	-68.8	139.7	139.6	1.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	1.0	0.0	0.0	-70.0	151.4	149.9	1.1
1.0	15.0	0.0	1.0	0.0	-126.3	264.2	262.5	6.6
1.0	15.0	0.0	2.0	0.0	-126.4	264.4	262.8	6.7
1.0	15.0	0.0	2.0	0.0	-98.8	209.1	207.6	1.3
1.0	15.0	2.0	0.0	0.0	-112.6	236.7	235.1	4.4
1.0	15.0	0.0	2.0	0.0	-151.4	314.3	312.7	7.4
1.0	15.0	0.0	3.0	0.0	-121.2	253.9	252.4	3.4
1.0	15.0	4.0	0.0	0.0	-160.3	332.1	330.6	9.8
1.0	15.0	3.0	0.0	0.0	-127.6	266.6	265.1	5.7
1.0	15.0	0.0	0.0	0.0	-141.9	285.9	285.8	5.6
1.0	15.0	0.0	3.0	0.0	-133.6	278.7	277.2	6.4
1.0	15.0	0.0	2.0	0.0	-105.4	222.4	220.9	3.3
1.0	15.0	3.0	0.0	0.0	-146.9	305.4	303.9	26.8
1.0	15.0	0.0	3.0	0.0	-139.8	291.1	289.5	7.1
1.0	15.0	0.0	2.0	0.0	-118.4	248.4	246.8	3.7
1.0	15.0	2.0	0.0	0.0	-123.0	257.6	256.0	4.0
1.0	15.0	2.0	0.0	0.0	-122.2	255.8	254.3	3.7
1.0	15.0	0.0	0.0	0.0	-125.1	252.3	252.2	4.9
1.0	15.0	0.0	3.0	0.0	-137.0	294.0	290.0	5.0
1.0	15.0	2.0	1.0	0.0	-170.9	361.8	357.8	10.7
1.0	15.0	3.0	1.0	0.0	-168.3	356.6	352.6	10.6
1.0	15.0	0.0	2.0	0.0	-142.2	295.9	294.4	7.1
1.0	15.0	0.0	2.0	0.0	-140.0	291.6	290.1	6.5
0.7	15.0	3.0	1.0	0.0	-200.7	421.3	417.3	29.6
1.0	15.0	7.0	1.0	0.0	-182.1	384.2	380.2	18.3
1.0	15.0	0.0	5.0	0.0	-165.5	342.5	340.9	9.1
1.0	15.0	0.0	0.0	0.0	-117.2	236.6	236.5	3.8
1.0	15.0	1.0	0.0	0.0	-157.4	326.4	324.8	8.8
1.0	15.0	1.0	0.0	0.0	-133.3	278.1	276.5	5.0
1.0	15.0	0.0	0.0	0.0	-151.7	305.5	305.4	7.0
1.0	15.0	0.0	2.0	0.0	-120.9	253.4	251.8	3.9
1.0	15.0	3.0	0.0	0.0	-151.1	313.7	312.2	7.0
0.9	15.0	3.0	0.0	0.0	-151.1	313.8	312.3	8.1
1.0	15.0	0.0	0.0	0.0	-132.1	266.3	266.2	5.1
1.0	15.0	0.0	0.0	0.0	-134.3	270.8	270.7	4.9
1.0	15.0	3.0	0.0	0.0	-158.5	328.7	326.9	12.0
1.0	15.0	3.0	0.0	0.0	-139.3	290.4	288.7	10.1
1.0	15.0	0.0	0.0	0.0	-129.5	261.2	261.1	4.4
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	5.1
1.0	15.0	2.0	0.0	0.0	-131.3	274.0	272.5	4.7
1.0	15.0	2.0	0.0	0.0	-126.0	263.6	262.1	4.2
1.0	15.0	0.0	0.0	0.0	-139.5	281.0	281.0	5.6
1.0	15.0	0.0	0.0	0.0	-118.2	238.4	238.3	3.8
1.0	15.0	2.0	0.0	0.0	-141.7	295.0	293.4	7.2
1.0	15.0	2.0	0.0	0.0	-110.8	233.1	231.6	2.7
1.0	15.0	0.0	0.0	0.0	-168.1	338.3	338.2	9.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-122.3	256.1	254.6	3.9
1.0	15.0	2.0	0.0	0.0	-144.2	299.9	298.3	7.5
1.0	15.0	1.0	0.0	0.0	-142.9	297.2	295.7	8.5
1.0	15.0	0.0	0.0	0.0	-128.0	258.2	258.1	5.0
1.0	15.0	0.0	2.0	0.0	-151.4	314.3	312.8	10.4
1.0	15.0	1.0	0.0	0.0	-97.8	207.1	205.6	5.2
1.0	15.0	1.0	0.0	0.0	-116.1	243.8	242.3	13.5
1.0	15.0	0.0	0.0	0.0	-171.6	345.3	345.2	11.6
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	7.6
1.0	15.0	2.0	0.0	0.0	-162.8	345.6	341.6	12.0
1.0	15.0	2.0	0.0	0.0	-140.6	301.2	297.2	9.4
1.0	15.0	0.0	0.0	0.0	-158.3	318.6	318.5	10.2
1.0	15.0	0.0	5.0	0.0	-134.2	279.9	278.4	5.3
1.0	15.0	3.0	0.0	0.0	-139.2	298.4	294.4	6.2
1.0	15.0	3.0	0.0	0.0	-135.3	290.7	286.7	6.3
1.0	15.0	0.0	0.0	0.0	-154.6	311.3	311.2	10.0
1.0	15.0	1.0	4.0	0.0	-153.8	319.1	317.5	9.1
0.9	15.0	2.0	2.0	0.0	-177.4	374.7	370.7	16.6
1.0	15.0	3.0	2.0	0.0	-162.7	345.3	341.3	10.5
1.0	15.0	0.0	3.0	0.0	-164.2	339.9	338.3	9.8
1.0	15.0	0.0	4.0	0.0	-141.4	294.3	292.8	8.2
1.0	15.0	0.0	0.0	0.0	-87.0	176.0	175.9	3.2
1.0	15.0	4.0	0.0	0.0	-91.8	195.2	193.6	3.5
1.0	15.0	0.0	6.0	0.0	-152.6	316.7	315.2	7.8
1.0	15.0	0.0	5.0	0.0	-131.3	274.2	272.6	4.4
1.0	15.0	7.0	0.0	0.0	-162.7	345.3	341.3	14.2
1.0	15.0	7.0	0.0	0.0	-164.0	347.9	343.9	12.4
1.0	15.0	0.0	1.0	0.0	-177.9	357.9	357.8	13.1
1.0	15.0	0.0	0.0	0.0	-130.4	262.9	262.8	4.2
1.0	15.0	2.0	0.0	0.0	-156.1	323.7	322.2	7.6
1.0	15.0	2.0	0.0	0.0	-110.1	231.8	230.3	2.9
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	9.3
1.0	15.0	0.0	3.0	0.0	-135.7	283.0	281.5	5.3
1.0	15.0	3.0	1.0	0.0	-165.0	350.0	346.0	10.2
0.9	15.0	4.0	0.0	0.0	-159.7	331.0	329.5	9.6
1.0	15.0	0.0	1.0	0.0	-147.4	306.2	304.7	7.2
1.0	15.0	0.0	2.0	0.0	-146.3	304.2	302.6	6.4
1.0	15.0	5.0	1.0	0.0	-205.9	431.8	427.8	31.9
1.0	15.0	6.0	0.0	0.0	-173.7	367.4	363.4	15.3
1.0	15.0	0.0	2.0	0.0	-159.6	330.7	329.2	13.0
1.0	15.0	0.0	1.0	0.0	-123.5	258.6	257.1	4.2
1.0	15.0	0.0	0.0	0.0	-101.9	205.8	205.7	7.7
0.8	15.0	1.0	0.0	0.0	-111.5	234.6	233.0	34.4
1.0	15.0	0.0	1.0	0.0	-141.5	294.6	293.1	5.8
1.0	15.0	0.0	2.0	0.0	-105.9	223.3	221.8	2.0
1.0	15.0	1.0	1.0	0.0	-141.3	294.1	292.5	5.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-137.4	286.4	284.9	6.3
1.0	15.0	0.0	2.0	0.0	-118.0	247.6	246.1	3.3
1.0	15.0	0.0	1.0	0.0	-134.9	281.3	279.8	5.1
1.0	15.0	0.0	0.0	0.0	-110.1	222.2	222.1	4.1
1.0	15.0	1.0	0.0	0.0	-115.9	243.4	241.8	5.8
1.0	15.0	0.0	1.0	0.0	-152.7	317.0	315.4	9.2
1.0	15.0	0.0	2.0	0.0	-112.4	236.3	234.8	5.7
1.0	15.0	0.0	0.0	0.0	-67.7	137.5	137.4	1.2
1.0	15.0	1.0	0.0	0.0	-91.9	195.4	193.8	5.3
1.0	15.0	0.0	2.0	0.0	-119.3	250.2	248.7	8.0
1.0	15.0	0.0	1.0	0.0	-137.0	285.5	284.0	5.6
1.0	15.0	0.0	0.0	0.0	-65.1	132.4	132.3	1.1
1.0	15.0	1.0	0.0	0.0	-70.7	153.0	151.5	1.6
1.0	15.0	0.0	1.0	0.0	-149.5	310.6	309.0	8.4
1.0	15.0	0.0	3.0	0.0	-124.3	260.1	258.6	5.1
1.0	15.0	0.0	2.0	0.0	-137.5	286.6	285.1	5.4
1.0	15.0	3.0	0.0	0.0	-145.3	302.2	300.7	11.2
1.0	15.0	0.0	3.0	0.0	-133.9	279.4	277.9	6.0
1.0	15.0	0.0	1.0	0.0	-125.6	262.8	261.2	3.8
1.0	15.0	0.0	0.0	0.0	-155.2	312.4	312.3	11.9
1.0	15.0	1.0	0.0	0.0	-128.7	268.9	267.3	5.6
1.0	15.0	0.0	1.0	0.0	-166.6	344.8	343.2	9.8
1.0	15.0	0.0	2.0	0.0	-151.7	315.0	313.5	6.8
1.0	15.0	0.0	2.0	0.0	-121.3	254.1	252.6	4.6
0.6	15.0	1.0	0.0	0.0	-129.3	270.2	268.7	10.1
1.0	15.0	0.0	2.0	0.0	-152.6	316.8	315.3	9.0
1.0	15.0	0.0	2.0	0.0	-116.8	245.2	243.7	8.0
1.0	15.0	0.0	0.0	0.0	-59.9	121.9	121.8	0.7
1.0	15.0	1.0	0.0	0.0	-85.7	183.0	181.5	6.6
1.0	15.0	0.0	2.0	0.0	-169.4	350.3	348.7	13.0
1.0	15.0	0.0	1.0	0.0	-149.8	311.2	309.6	6.0
1.0	15.0	0.0	0.0	0.0	-87.2	176.6	176.5	6.8
0.8	15.0	1.0	0.0	0.0	-102.4	216.4	214.9	5.6
1.0	15.0	0.0	1.0	0.0	-170.0	351.6	350.0	10.9
1.0	15.0	0.0	3.0	0.0	-124.9	261.3	259.7	4.2
1.0	15.0	0.0	0.0	0.0	-71.4	144.8	144.7	1.2
1.0	15.0	1.0	0.0	0.0	-71.2	154.0	152.5	2.2
1.0	15.0	0.0	2.0	0.0	-154.8	321.1	319.6	9.0
1.0	15.0	0.0	1.0	0.0	-136.6	284.7	283.2	4.7
1.0	15.0	0.0	0.0	0.0	-109.7	221.5	221.4	3.6
1.0	15.0	1.0	0.0	0.0	-111.0	233.5	232.0	2.5
1.0	15.0	0.0	1.0	0.0	-163.6	338.6	337.1	8.9
1.0	15.0	0.0	0.0	0.0	-133.2	268.5	268.4	5.7
1.0	15.0	1.0	0.0	0.0	-137.5	286.5	285.0	14.1
1.0	15.0	1.0	0.0	0.0	-123.9	259.3	257.8	6.8
1.0	15.0	0.0	1.0	0.0	-143.0	288.1	288.0	9.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-138.3	288.1	286.5	5.1
1.0	15.0	0.0	0.0	0.0	-116.2	234.5	234.5	4.1
0.8	15.0	1.0	0.0	0.0	-110.4	232.4	230.9	5.5
1.0	15.0	0.0	1.0	0.0	-157.8	327.2	325.7	8.6
1.0	15.0	0.0	2.0	0.0	-128.5	268.6	267.0	4.4
1.0	15.0	0.0	3.0	0.0	-141.9	295.3	293.7	6.0
1.0	15.0	1.0	0.0	0.0	-138.0	287.6	286.0	5.2
1.0	15.0	0.0	2.0	0.0	-159.0	329.6	328.0	10.8
1.0	15.0	0.0	1.0	0.0	-152.4	316.4	314.9	7.5
1.0	15.0	0.0	0.0	0.0	-129.5	261.1	261.0	5.8
0.9	15.0	1.0	0.0	0.0	-121.6	254.8	253.2	5.3
1.0	15.0	0.0	3.0	0.0	-184.3	380.1	378.5	14.1
1.0	15.0	0.0	1.0	0.0	-103.0	217.6	216.0	1.8
1.0	15.0	0.0	0.0	0.0	-59.5	121.0	120.9	0.7
1.0	15.0	1.0	0.0	0.0	-75.3	162.0	160.5	2.8
1.0	15.0	0.0	1.0	0.0	-135.1	281.6	280.1	5.2
1.0	15.0	0.0	1.0	0.0	-128.4	268.3	266.8	4.5
1.0	15.0	0.0	0.0	0.0	-113.4	228.9	228.8	3.4
0.9	15.0	1.0	0.0	0.0	-100.5	212.6	211.1	1.6
1.0	15.0	0.0	1.0	0.0	-165.8	343.1	341.6	9.8
1.0	15.0	0.0	1.0	0.0	-116.7	244.9	243.4	4.0
1.0	15.0	0.0	0.0	0.0	-54.3	110.7	110.6	0.5
0.9	15.0	1.0	0.0	0.0	-74.5	160.6	159.1	1.2
1.0	15.0	1.0	0.0	0.0	-163.3	328.6	328.5	8.3
1.0	15.0	0.0	0.0	0.0	-158.5	319.1	319.0	9.0
1.0	15.0	2.0	0.0	0.0	-168.3	348.1	346.6	12.1
1.0	15.0	2.0	0.0	0.0	-108.4	228.3	226.8	2.8
1.0	15.0	0.0	0.0	0.0	-175.1	352.3	352.2	12.2
1.0	15.0	0.0	2.0	0.0	-124.9	261.3	259.7	4.3
1.0	15.0	2.0	0.0	0.0	-131.2	282.3	278.3	20.4
0.9	15.0	5.0	0.0	0.0	-134.8	281.1	279.6	19.0
1.0	15.0	0.0	1.0	0.0	-181.5	365.1	365.0	13.7
1.0	15.0	0.0	1.0	0.0	-126.1	263.7	262.1	4.8
1.0	15.0	0.0	1.0	0.0	-163.7	338.9	337.4	11.7
1.0	15.0	1.0	1.0	0.0	-127.8	275.5	271.5	6.5
1.0	15.0	0.0	1.0	0.0	-152.6	316.8	315.2	8.0
1.0	15.0	0.0	1.0	0.0	-148.7	308.9	307.3	6.7
1.0	15.0	0.0	0.0	0.0	-99.2	200.5	200.4	2.3
0.9	15.0	1.0	0.0	0.0	-104.7	221.0	219.5	17.0
1.0	15.0	0.0	2.0	0.0	-169.9	351.4	349.8	10.6
1.0	15.0	0.0	2.0	0.0	-126.4	264.3	262.7	3.6
1.0	15.0	0.0	2.0	0.0	-115.4	242.3	240.8	8.2
1.0	15.0	2.0	0.0	0.0	-125.0	261.5	259.9	9.5
1.0	15.0	0.0	2.0	0.0	-139.3	290.1	288.6	5.6
1.0	15.0	0.0	2.0	0.0	-120.9	253.3	251.7	3.4
1.0	15.0	0.0	0.0	0.0	-93.5	189.1	189.0	2.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-102.9	217.4	215.8	2.0
1.0	15.0	0.0	1.0	0.0	-168.3	338.7	338.6	11.9
0.9	15.0	0.0	4.0	0.0	-133.8	279.1	277.6	6.1
0.8	15.0	1.0	3.0	0.0	-144.9	309.7	305.7	9.1
1.0	15.0	3.0	0.0	0.0	-140.6	292.8	291.2	9.0
1.0	15.0	0.0	2.0	0.0	-143.5	298.6	297.0	7.4
1.0	15.0	0.0	2.0	0.0	-138.8	289.1	287.6	9.8
0.7	15.0	2.0	5.0	0.0	-190.2	400.6	396.5	28.2
1.0	15.0	1.0	5.0	0.0	-154.1	319.8	318.2	11.3
1.0	15.0	0.0	4.0	0.0	-161.5	334.4	332.9	8.6
1.0	15.0	1.0	1.0	0.0	-156.9	325.4	323.8	7.8
1.0	15.0	0.0	0.0	0.0	-119.1	240.2	240.1	3.5
1.0	15.0	1.0	0.0	0.0	-137.0	285.6	284.0	5.7
1.0	15.0	0.0	1.0	0.0	-183.6	369.3	369.2	18.7
1.0	15.0	0.0	4.0	0.0	-141.4	294.4	292.9	8.7
1.0	15.0	0.0	0.0	0.0	-76.9	156.0	155.9	1.4
1.0	15.0	2.0	0.0	0.0	-111.8	235.2	233.7	9.6
1.0	15.0	0.0	4.0	0.0	-147.3	306.1	304.6	10.7
1.0	15.0	0.0	4.0	0.0	-156.3	324.2	322.6	7.9
1.0	15.0	0.0	0.0	0.0	-104.4	210.9	210.8	3.3
1.0	15.0	3.0	0.0	0.0	-135.2	282.0	280.5	8.5
0.6	15.0	0.0	3.0	0.0	-183.0	377.6	376.1	14.2
1.0	15.0	0.0	3.0	0.0	-113.6	238.7	237.2	3.3
1.0	15.0	3.0	1.0	0.0	-106.9	233.8	229.8	2.2
1.0	15.0	2.0	0.0	0.0	-104.8	221.1	219.5	2.1
1.0	15.0	0.0	0.0	0.0	-165.0	332.0	331.9	9.4
1.0	15.0	0.0	1.0	0.0	-106.0	223.5	221.9	2.2
1.0	15.0	1.0	0.0	0.0	-145.7	302.9	301.4	6.1
1.0	15.0	1.0	0.0	0.0	-130.3	272.2	270.6	5.5
1.0	15.0	0.0	0.0	0.0	-121.6	245.2	245.2	4.2
1.0	15.0	0.0	2.0	0.0	-120.8	253.0	251.5	3.9
1.0	15.0	1.0	0.0	0.0	-131.8	275.1	273.6	7.9
1.0	15.0	1.0	0.0	0.0	-135.0	281.5	279.9	12.2
1.0	15.0	0.0	0.0	0.0	-124.1	250.3	250.2	4.4
1.0	15.0	0.0	2.0	0.0	-131.6	274.8	273.3	5.5
0.9	15.0	1.0	1.0	0.0	-129.5	279.1	275.1	7.5
1.0	15.0	2.0	0.0	0.0	-113.2	246.4	242.4	3.1
1.0	15.0	0.0	1.0	0.0	-132.1	275.7	274.2	5.4
1.0	15.0	0.0	0.0	0.0	-136.6	275.2	275.1	8.1
1.0	15.0	2.0	0.0	0.0	-155.5	322.4	320.9	7.4
0.7	15.0	2.0	0.0	0.0	-156.8	325.2	323.7	8.8
1.0	15.0	0.0	0.0	0.0	-155.9	313.9	313.9	8.3
1.0	15.0	0.0	0.0	0.0	-135.9	274.0	273.9	5.3
1.0	15.0	2.0	0.0	0.0	-175.8	363.2	361.7	11.9
1.0	15.0	2.0	0.0	0.0	-139.4	290.3	288.8	6.1
1.0	15.0	0.0	0.0	0.0	-153.7	309.6	309.5	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-124.0	250.2	250.1	4.2
1.0	15.0	2.0	0.0	0.0	-162.0	335.6	334.1	10.2
1.0	15.0	3.0	0.0	0.0	-109.5	230.5	228.9	3.0
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	4.3
1.0	15.0	2.0	0.0	0.0	-122.8	257.2	255.7	4.3
0.5	15.0	3.0	0.0	0.0	-158.4	336.7	332.7	9.3
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	4.3
1.0	15.0	0.0	0.0	0.0	-129.0	260.0	259.9	4.5
1.0	15.0	0.0	2.0	0.0	-151.2	304.6	304.5	8.6
1.0	15.0	1.0	0.0	0.0	-113.7	238.9	237.3	6.2
1.0	15.0	4.0	0.0	0.0	-115.8	243.2	241.6	4.0
1.0	15.0	0.0	0.0	0.0	-149.7	301.5	301.4	8.3
0.9	15.0	0.0	6.0	0.0	-138.3	296.7	292.7	5.1
1.0	15.0	0.0	0.0	0.0	-144.8	291.8	291.7	8.7
1.0	15.0	3.0	0.0	0.0	-128.9	269.3	267.8	5.2
1.0	15.0	0.0	0.0	0.0	-122.9	247.9	247.8	4.1
1.0	15.0	0.0	0.0	0.0	-164.4	331.0	330.9	11.7
0.9	15.0	2.0	0.0	0.0	-175.2	370.5	366.5	18.9
1.0	15.0	0.0	0.0	0.0	-138.9	279.9	279.8	6.2
1.0	15.0	0.0	1.0	0.0	-182.0	366.2	366.1	13.0
0.7	15.0	2.0	0.0	0.0	-159.6	330.7	329.1	8.0
0.7	15.0	3.0	0.0	0.0	-139.3	298.6	294.6	14.4
0.6	15.0	2.0	0.0	0.0	-135.3	290.7	286.7	7.7
1.0	15.0	0.0	0.0	0.0	-169.0	340.0	339.9	11.3
1.0	15.0	1.0	0.0	0.0	-121.5	254.6	253.0	3.4
1.0	15.0	3.0	0.0	0.0	-109.4	230.3	228.8	2.8
1.0	15.0	0.0	0.0	0.0	-116.2	234.5	234.4	3.3
1.0	15.0	0.0	0.0	0.0	-167.5	337.2	337.1	10.2
1.0	15.0	0.0	0.0	0.0	-106.7	215.5	215.5	3.2
1.0	15.0	1.0	0.0	0.0	-156.9	325.4	323.9	10.1
1.0	15.0	2.0	0.0	0.0	-106.9	225.3	223.8	2.4
1.0	15.0	0.0	0.0	0.0	-157.0	316.2	316.1	8.1
1.0	15.0	0.0	0.0	0.0	-138.1	278.3	278.2	5.1
1.0	15.0	1.0	0.0	0.0	-152.7	316.9	315.3	9.5
1.0	15.0	1.0	0.0	0.0	-115.4	242.4	240.8	5.6
1.0	15.0	0.0	0.0	0.0	-130.6	263.2	263.1	4.6
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	4.4
1.0	15.0	2.0	0.0	0.0	-170.7	353.0	351.5	11.5
1.0	15.0	2.0	0.0	0.0	-161.4	334.4	332.9	9.5
1.0	15.0	0.0	0.0	0.0	-152.8	307.6	307.5	7.7
1.0	15.0	0.0	2.0	0.0	-127.0	265.5	263.9	3.8
1.0	15.0	3.0	0.0	0.0	-147.4	306.4	304.8	7.4
1.0	15.0	2.0	0.0	0.0	-124.1	259.8	258.3	4.1
1.0	15.0	0.0	0.0	0.0	-166.5	335.0	334.9	10.2
0.9	15.0	0.0	1.0	0.0	-105.5	222.5	221.0	2.1
1.0	15.0	1.0	0.0	0.0	-127.6	266.8	265.2	5.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-122.5	256.5	255.0	4.8
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	5.4
1.0	15.0	0.0	2.0	0.0	-127.2	266.0	264.5	7.8
1.0	15.0	4.0	0.0	0.0	-172.6	356.8	355.2	33.8
1.0	15.0	4.0	0.0	0.0	-122.7	256.9	255.4	22.1
1.0	15.0	0.0	0.0	0.0	-158.8	319.7	319.6	9.3
1.0	15.0	0.0	0.0	0.0	-145.2	292.6	292.5	5.6
0.7	15.0	2.0	0.0	0.0	-104.1	228.1	224.1	4.7
1.0	15.0	2.0	0.0	0.0	-101.9	215.4	213.9	3.3
1.0	15.0	0.0	0.0	0.0	-165.6	333.3	333.2	9.5
1.0	15.0	0.0	0.0	0.0	-131.3	264.8	264.7	4.4
1.0	15.0	1.0	0.0	0.0	-173.9	359.3	357.8	11.2
1.0	15.0	2.0	0.0	0.0	-146.4	304.4	302.9	6.6
1.0	15.0	0.0	0.0	0.0	-144.1	290.3	290.2	6.1
1.0	15.0	0.0	2.0	0.0	-136.0	283.5	281.9	5.5
1.0	15.0	0.0	0.0	0.0	-158.3	318.6	318.5	9.3
1.0	15.0	2.0	0.0	0.0	-154.7	321.0	319.5	11.1
1.0	15.0	0.0	0.0	0.0	-154.0	310.1	310.0	10.3
1.0	15.0	0.0	1.0	0.0	-142.1	295.7	294.2	6.1
0.9	15.0	2.0	0.0	0.0	-168.8	349.2	347.7	21.6
1.0	15.0	1.0	0.0	0.0	-147.4	306.4	304.9	12.6
1.0	15.0	0.0	0.0	0.0	-154.1	310.3	310.2	9.5
1.0	15.0	0.0	2.0	0.0	-104.3	220.2	218.6	1.9
1.0	15.0	2.0	0.0	0.0	-119.2	249.9	248.3	3.6
1.0	15.0	2.0	0.0	0.0	-118.1	247.8	246.2	3.3
1.0	15.0	0.0	0.0	0.0	-137.7	277.4	277.3	5.8
1.0	15.0	0.0	0.0	0.0	-140.9	283.9	283.9	6.7
0.8	15.0	2.0	4.0	0.0	-178.8	377.5	373.5	27.7
0.7	15.0	2.0	1.0	0.0	-141.4	302.7	298.7	18.8
1.0	15.0	0.0	1.0	0.0	-154.1	310.3	310.3	10.6
1.0	15.0	0.0	0.0	0.0	-133.9	269.9	269.8	5.0
1.0	15.0	1.0	0.0	0.0	-177.7	367.0	365.5	15.1
1.0	15.0	1.0	0.0	0.0	-146.3	304.1	302.5	9.5
1.0	15.0	0.0	0.0	0.0	-155.3	312.6	312.5	8.2
1.0	15.0	0.0	2.0	0.0	-120.7	252.8	251.3	3.4
0.9	15.0	2.0	0.0	0.0	-154.4	320.2	318.7	7.9
1.0	15.0	2.0	0.0	0.0	-143.3	298.1	296.6	6.1
1.0	15.0	0.0	0.0	0.0	-142.5	287.0	286.9	6.3
1.0	15.0	0.0	2.0	0.0	-129.1	269.8	268.2	4.3
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	4.6
1.0	15.0	2.0	0.0	0.0	-116.1	243.8	242.3	3.1
1.0	15.0	0.0	1.0	0.0	-133.2	278.0	276.4	4.7
1.0	15.0	0.0	0.0	0.0	-140.6	283.4	283.3	5.4
0.9	15.0	3.0	0.0	0.0	-150.9	321.8	317.8	8.6
1.0	15.0	3.0	0.0	0.0	-132.6	285.2	281.2	5.5
1.0	15.0	0.0	0.0	0.0	-139.3	280.7	280.6	5.7



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-160.8	323.8	323.7	8.4
1.0	15.0	1.0	0.0	0.0	-92.8	187.7	187.6	5.1
0.5	15.0	2.0	0.0	0.0	-107.6	226.8	225.2	4.4
1.0	15.0	0.0	1.0	0.0	-169.9	341.8	341.8	11.3
1.0	15.0	0.0	4.0	0.0	-135.5	282.6	281.1	5.5
1.0	15.0	4.0	0.0	0.0	-167.2	345.9	344.3	9.9
1.0	15.0	4.0	0.0	0.0	-146.5	304.5	302.9	9.1
1.0	15.0	0.0	0.0	0.0	-147.7	297.5	297.5	7.0
0.8	15.0	0.0	4.0	0.0	-135.4	282.3	280.8	4.6
1.0	15.0	1.0	0.0	0.0	-115.7	243.0	241.4	3.6
1.0	15.0	1.0	0.0	0.0	-102.6	216.8	215.2	1.7
1.0	15.0	0.0	0.0	0.0	-155.5	313.1	313.0	7.4
1.0	15.0	0.0	0.0	0.0	-119.3	240.6	240.5	3.8
1.0	15.0	1.0	0.0	0.0	-154.0	319.5	317.9	13.7
1.0	15.0	1.0	0.0	0.0	-122.4	256.4	254.9	6.2
1.0	15.0	0.0	0.0	0.0	-135.5	273.1	273.0	4.6
0.8	15.0	0.0	3.0	0.0	-141.1	293.8	292.2	5.9
1.0	15.0	3.0	0.0	0.0	-144.2	299.9	298.4	10.3
1.0	15.0	3.0	0.0	0.0	-146.4	304.4	302.9	13.6
1.0	15.0	0.0	0.0	0.0	-140.4	282.9	282.8	5.7
1.0	15.0	0.0	0.0	0.0	-128.1	258.3	258.2	4.0
1.0	15.0	1.0	0.0	0.0	-89.3	190.2	188.7	3.4
0.7	15.0	1.0	0.0	0.0	-103.8	219.1	217.5	3.2
1.0	15.0	2.0	0.0	0.0	-184.1	370.4	370.3	14.5
1.0	15.0	0.0	1.0	0.0	-129.2	269.9	268.4	4.8
1.0	15.0	0.0	0.0	0.0	-147.3	296.6	296.5	7.6
1.0	15.0	1.0	0.0	0.0	-132.9	277.4	275.8	6.2
1.0	15.0	0.0	0.0	0.0	-167.5	337.1	337.0	10.1
1.0	15.0	0.0	2.0	0.0	-116.7	244.9	243.4	3.1
1.0	15.0	0.0	0.0	0.0	-93.4	189.0	188.9	2.1
1.0	15.0	3.0	0.0	0.0	-102.9	217.3	215.7	1.9
1.0	15.0	0.0	0.0	0.0	-158.4	318.8	318.7	7.8
1.0	15.0	0.0	1.0	0.0	-120.7	252.9	251.3	3.9
1.0	15.0	0.0	0.0	0.0	-64.9	131.9	131.8	1.3
0.9	15.0	1.0	0.0	0.0	-76.7	165.0	163.5	1.4
1.0	15.0	0.0	0.0	0.0	-114.0	230.1	230.0	5.5
1.0	15.0	0.0	2.0	0.0	-133.9	279.4	277.9	5.3
1.0	15.0	2.0	0.0	0.0	-114.0	239.6	238.1	4.1
1.0	15.0	2.0	0.0	0.0	-101.4	214.3	212.8	2.3
1.0	15.0	0.0	0.0	0.0	-159.9	321.9	321.8	8.9
1.0	15.0	0.0	0.0	0.0	-139.9	281.8	281.7	10.6
1.0	15.0	2.0	0.0	0.0	-150.4	312.3	310.8	7.1
1.0	15.0	1.0	0.0	0.0	-123.9	259.4	257.9	5.1
1.0	15.0	0.0	1.0	0.0	-158.8	319.6	319.5	11.2
1.0	15.0	0.0	1.0	0.0	-126.4	264.3	262.7	4.5
1.0	15.0	0.0	0.0	0.0	-123.2	248.5	248.4	9.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-136.8	285.1	283.6	32.1
1.0	15.0	1.0	1.0	0.0	-156.1	323.6	322.1	8.9
0.8	15.0	0.0	7.0	0.0	-162.1	335.8	334.2	9.5
1.0	15.0	2.0	5.0	0.0	-154.0	328.1	324.1	8.8
1.0	15.0	5.0	1.0	0.0	-180.8	381.6	377.6	16.3
1.0	15.0	4.0	4.0	0.0	-172.8	357.1	355.6	10.0
1.0	15.0	0.0	7.0	0.0	-148.1	307.8	306.2	7.7
1.0	15.0	2.0	3.0	0.0	-200.4	420.9	416.9	30.0
1.0	15.0	3.0	0.0	0.0	-152.3	324.6	320.6	9.4
1.0	15.0	0.0	5.0	0.0	-172.4	356.3	354.7	12.6
1.0	15.0	0.0	1.0	0.0	-146.9	305.3	303.8	6.3
1.0	15.0	0.0	0.0	0.0	-114.7	231.5	231.4	3.2
1.0	15.0	1.0	0.0	0.0	-125.8	263.1	261.5	7.7
1.0	15.0	0.0	3.0	0.0	-178.3	368.2	366.7	15.4
1.0	15.0	0.0	5.0	0.0	-158.0	327.6	326.1	10.6
1.0	15.0	0.0	0.0	0.0	-89.8	181.8	181.7	4.0
1.0	15.0	4.0	0.0	0.0	-131.1	273.7	272.2	11.2
1.0	15.0	0.0	6.0	0.0	-137.0	286.3	284.0	19.8
1.0	15.0	0.0	4.0	0.0	-161.1	333.7	332.2	9.6
1.0	15.0	3.0	0.0	0.0	-128.1	276.2	272.2	4.9
1.0	15.0	7.0	0.0	0.0	-175.8	363.2	361.6	21.4
1.0	15.0	0.0	4.0	0.0	-191.1	393.8	392.3	18.6
1.0	15.0	0.0	2.0	0.0	-168.6	348.7	347.2	16.9
1.0	15.0	0.0	0.0	0.0	-74.2	150.6	150.5	1.2
0.6	15.0	1.0	0.0	0.0	-93.5	198.5	196.9	4.0
1.0	15.0	0.0	5.0	0.0	-187.5	386.5	384.9	21.8
1.0	15.0	0.0	1.0	0.0	-137.9	287.3	285.8	4.9
1.0	15.0	3.0	1.0	0.0	-108.4	236.7	232.7	2.7
1.0	15.0	1.0	0.0	0.0	-114.0	239.5	238.0	3.9
1.0	15.0	0.0	1.0	0.0	-155.4	322.4	320.9	7.3
1.0	15.0	0.0	1.0	0.0	-122.7	257.0	255.5	5.1
1.0	15.0	0.0	0.0	0.0	-110.2	222.5	222.4	3.2
1.0	15.0	1.0	0.0	0.0	-119.1	249.8	248.2	14.2
1.0	15.0	0.0	1.0	0.0	-145.3	302.2	300.6	8.4
0.9	15.0	0.0	7.0	0.0	-152.4	316.4	314.9	10.8
1.0	15.0	2.0	5.0	0.0	-150.1	320.2	316.2	13.5
1.0	15.0	7.0	0.0	0.0	-192.4	404.8	400.8	22.6
0.7	15.0	2.0	5.0	0.0	-151.8	323.6	319.6	6.9
1.0	15.0	0.0	3.0	0.0	-156.6	324.8	323.3	11.4
0.7	15.0	4.0	3.0	0.0	-206.4	432.8	428.8	43.8
1.0	15.0	2.0	0.0	0.0	-161.2	342.3	338.3	15.5
1.0	15.0	0.0	5.0	0.0	-180.1	371.8	370.3	19.9
1.0	15.0	0.0	1.0	0.0	-135.2	282.0	280.5	4.8
1.0	15.0	0.0	1.0	0.0	-115.0	232.0	231.9	5.7
1.0	15.0	1.0	0.0	0.0	-124.2	259.8	258.3	5.7
1.0	15.0	0.0	2.0	0.0	-166.3	344.1	342.5	9.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-141.9	295.3	293.8	18.2
0.8	15.0	4.0	0.0	10.0	-115.2	250.5	246.5	5.9
1.0	15.0	3.0	0.0	0.0	-136.2	283.9	282.4	13.5
1.0	15.0	0.0	3.0	0.0	-157.7	327.0	325.5	15.2
1.0	15.0	0.0	4.0	0.0	-147.2	306.0	304.5	7.5
1.0	15.0	2.0	0.0	0.0	-125.5	271.1	267.1	5.3
1.0	15.0	5.0	0.0	0.0	-169.4	350.4	348.8	15.6
1.0	15.0	0.0	5.0	0.0	-170.4	352.3	350.8	11.2
1.0	15.0	0.0	5.0	0.0	-161.5	334.6	333.1	13.0
1.0	15.0	0.0	0.0	0.0	-81.9	165.9	165.8	2.0
1.0	15.0	2.0	0.0	0.0	-96.8	205.0	203.5	4.0
1.0	15.0	0.0	5.0	0.0	-180.5	372.5	371.0	13.1
1.0	15.0	0.0	2.0	0.0	-130.7	272.9	271.4	4.4
1.0	15.0	3.0	0.0	0.0	-107.6	235.3	231.3	2.2
1.0	15.0	3.0	0.0	0.0	-130.7	273.0	271.5	26.6
1.0	15.0	0.0	3.0	0.0	-162.1	335.7	334.2	8.9
1.0	15.0	0.0	2.0	0.0	-135.5	282.5	280.9	4.6
1.0	15.0	3.0	0.0	0.0	-121.8	255.2	253.7	4.4
1.0	15.0	3.0	0.0	0.0	-126.0	263.6	262.1	4.9
1.0	15.0	0.0	0.0	0.0	-152.7	307.5	307.4	7.6
0.9	15.0	0.0	3.0	0.0	-134.4	288.9	284.9	4.5
0.9	15.0	4.0	0.0	0.0	-184.8	381.2	379.6	19.5
1.0	15.0	4.0	0.0	0.0	-149.5	319.0	315.0	11.0
1.0	15.0	1.0	1.0	0.0	-175.4	370.7	366.7	14.6
1.0	15.0	0.0	0.0	0.0	-141.0	284.1	284.0	5.4
1.0	15.0	2.0	0.0	0.0	-109.7	231.0	229.5	2.4
1.0	15.0	2.0	0.0	0.0	-108.7	228.9	227.4	2.3
1.0	15.0	0.0	0.0	0.0	-158.8	319.6	319.5	7.9
1.0	15.0	0.0	0.0	0.0	-119.6	241.2	241.1	3.3
1.0	15.0	1.0	0.0	0.0	-106.3	224.2	222.7	2.1
1.0	15.0	1.0	0.0	0.0	-103.0	217.6	216.0	2.1
1.0	15.0	0.0	0.0	0.0	-142.5	287.2	287.1	5.6
1.0	15.0	0.0	1.0	0.0	-162.1	335.8	334.2	9.1
1.0	15.0	2.0	2.0	0.0	-193.2	406.4	402.4	24.6
1.0	15.0	2.0	0.0	0.0	-143.7	307.5	303.5	14.4
1.0	15.0	0.0	2.0	0.0	-155.9	323.3	321.8	7.3
1.0	15.0	0.0	2.0	0.0	-117.5	246.5	245.0	3.2
1.0	15.0	0.0	0.0	0.0	-76.5	155.1	155.0	1.6
1.0	15.0	1.0	0.0	0.0	-85.6	182.7	181.2	5.2
1.0	15.0	1.0	2.0	0.0	-150.1	311.7	310.1	8.4
1.0	15.0	0.0	1.0	0.0	-119.7	251.0	249.4	3.5
1.0	15.0	0.0	0.0	0.0	-77.0	156.2	156.1	1.5
1.0	15.0	1.0	0.0	0.0	-79.8	171.2	169.7	1.6
1.0	15.0	0.0	2.0	0.0	-152.1	315.8	314.2	6.8
1.0	15.0	0.0	3.0	0.0	-141.2	294.0	292.4	6.7
1.0	15.0	2.0	1.0	0.0	-127.9	267.3	265.8	4.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-139.4	290.4	288.9	9.2
1.0	15.0	0.0	1.0	0.0	-175.8	363.2	361.6	12.2
1.0	15.0	0.0	2.0	0.0	-120.3	252.2	250.6	4.7
1.0	15.0	2.0	1.0	0.0	-160.3	340.5	336.5	19.4
0.9	15.0	1.0	0.0	0.0	-128.2	276.4	272.4	9.5
1.0	15.0	0.0	1.0	0.0	-147.5	306.6	305.0	6.8
1.0	15.0	0.0	0.0	0.0	-124.4	250.9	250.8	4.3
1.0	15.0	3.0	0.0	0.0	-166.9	345.4	343.9	10.5
1.0	15.0	3.0	0.0	0.0	-126.5	264.5	263.0	5.9
1.0	15.0	0.0	0.0	0.0	-143.7	289.5	289.4	6.8
1.0	15.0	0.0	0.0	0.0	-135.6	273.3	273.2	6.6
1.0	15.0	1.0	0.0	0.0	-129.8	271.1	269.5	5.8
0.8	15.0	1.0	0.0	0.0	-118.6	248.7	247.2	7.5
1.0	15.0	0.0	0.0	0.0	-140.5	283.1	283.0	5.7
1.0	15.0	0.0	2.0	0.0	-111.3	234.1	232.5	3.1
0.6	15.0	1.0	2.0	0.0	-143.5	307.0	303.0	6.9
1.0	15.0	2.0	0.0	0.0	-124.0	259.5	258.0	6.4
1.0	15.0	0.0	1.0	0.0	-149.4	310.4	308.9	6.9
1.0	15.0	0.0	1.0	0.0	-128.5	268.5	267.0	4.5
1.0	15.0	1.0	0.0	0.0	-86.3	174.6	174.5	4.9
1.0	15.0	1.0	0.0	0.0	-70.8	153.2	151.6	1.4
1.0	15.0	0.0	2.0	0.0	-160.4	332.3	330.8	10.4
1.0	15.0	0.0	1.0	0.0	-141.3	294.1	292.6	5.8
0.8	15.0	0.0	1.0	0.0	-119.9	251.4	249.9	3.2
1.0	15.0	1.0	0.0	0.0	-111.0	233.5	232.0	2.7
1.0	15.0	0.0	1.0	0.0	-157.2	326.0	324.4	9.6
1.0	15.0	0.0	4.0	0.0	-156.3	324.1	322.6	16.6
1.0	15.0	2.0	0.0	0.0	-171.2	362.4	358.4	17.2
0.5	15.0	3.0	0.0	0.0	-166.9	345.3	343.8	19.7
1.0	15.0	0.0	3.0	0.0	-162.3	344.6	340.6	22.9
1.0	15.0	0.0	0.0	0.0	-148.5	299.1	299.0	6.2
1.0	15.0	2.0	0.0	0.0	-157.9	327.3	325.8	8.3
1.0	15.0	3.0	0.0	0.0	-132.0	275.5	274.0	4.6
1.0	15.0	0.0	0.0	0.0	-149.1	300.2	300.1	6.7
0.8	15.0	0.0	2.0	0.0	-125.5	262.4	260.9	4.4
1.0	15.0	4.0	0.0	0.0	-130.5	281.0	277.0	7.8
1.0	15.0	3.0	0.0	0.0	-114.7	249.4	245.4	4.7
1.0	15.0	0.0	1.0	0.0	-164.8	331.7	331.6	11.7
1.0	15.0	0.0	1.0	0.0	-128.5	268.6	267.1	4.4
1.0	15.0	5.0	0.0	0.0	-174.7	361.0	359.5	15.0
1.0	15.0	3.0	0.0	0.0	-158.1	327.7	326.2	10.9
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	8.0
1.0	15.0	0.0	1.0	0.0	-121.6	254.7	253.1	6.5
1.0	15.0	2.0	0.0	0.0	-92.5	205.0	201.0	3.0
1.0	15.0	1.0	0.0	0.0	-96.8	205.2	203.7	6.1
0.6	15.0	1.0	0.0	0.0	-184.6	389.3	385.3	22.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-132.5	276.5	274.9	4.3
1.0	15.0	2.0	0.0	0.0	-119.7	259.4	255.4	4.7
1.0	15.0	2.0	0.0	0.0	-107.3	234.6	230.6	3.4
1.0	15.0	0.0	1.0	0.0	-162.3	326.6	326.5	11.9
1.0	15.0	0.0	5.0	0.0	-143.5	307.0	303.0	6.3
1.0	15.0	5.0	3.0	0.0	-133.9	287.7	283.7	12.1
1.0	15.0	4.0	0.0	0.0	-146.3	312.5	308.5	19.3
1.0	15.0	0.0	0.0	0.0	-173.9	350.0	349.9	11.6
1.0	15.0	0.0	0.0	0.0	-136.5	275.2	275.1	4.9
1.0	15.0	2.0	0.0	0.0	-158.7	329.0	327.4	12.7
1.0	15.0	2.0	0.0	0.0	-113.5	238.5	236.9	3.9
1.0	15.0	0.0	0.0	0.0	-164.2	330.5	330.4	8.8
1.0	15.0	0.0	1.0	0.0	-111.8	235.2	233.6	2.8
1.0	15.0	2.0	0.0	0.0	-134.5	280.5	279.0	6.4
1.0	15.0	1.0	0.0	0.0	-132.4	276.3	274.7	6.3
1.0	15.0	0.0	0.0	0.0	-137.1	276.3	276.2	5.9
1.0	15.0	0.0	2.0	0.0	-129.0	269.6	268.0	5.2
1.0	15.0	1.0	1.0	0.0	-172.4	356.4	354.9	16.9
0.6	15.0	1.0	1.0	0.0	-137.0	294.0	290.0	8.1
1.0	15.0	0.0	1.0	0.0	-160.3	332.2	330.6	8.9
1.0	15.0	0.0	2.0	0.0	-138.3	288.2	286.6	5.6
0.9	15.0	1.0	0.0	0.0	-100.7	221.4	217.4	3.2
1.0	15.0	2.0	0.0	0.0	-114.0	239.4	237.9	4.3
1.0	15.0	0.0	2.0	0.0	-163.2	337.9	336.4	8.9
1.0	15.0	0.0	1.0	0.0	-118.2	247.9	246.3	3.2
1.0	15.0	0.0	0.0	0.0	-90.9	183.9	183.8	3.5
1.0	15.0	1.0	0.0	0.0	-87.6	186.8	185.3	2.0
1.0	15.0	0.0	1.0	0.0	-166.7	335.4	335.3	13.7
1.0	15.0	0.0	0.0	0.0	-123.5	249.2	249.1	3.6
1.0	15.0	3.0	0.0	0.0	-160.5	332.6	331.1	9.6
1.0	15.0	2.0	0.0	0.0	-123.5	258.5	256.9	4.2
1.0	15.0	0.0	0.0	0.0	-162.3	326.7	326.6	8.6
1.0	15.0	0.0	3.0	0.0	-118.5	248.5	247.0	4.4
1.0	15.0	3.0	0.0	0.0	-156.4	332.8	328.8	8.2
1.0	15.0	3.0	0.0	0.0	-157.3	334.6	330.6	12.0
1.0	15.0	0.0	1.0	0.0	-174.8	351.7	351.7	12.6
0.9	15.0	0.0	1.0	0.0	-127.2	265.9	264.4	4.3
1.0	15.0	2.0	0.0	0.0	-152.2	315.8	314.3	8.4
1.0	15.0	2.0	0.0	0.0	-146.6	304.8	303.2	8.2
1.0	15.0	0.0	0.0	0.0	-136.6	275.3	275.2	4.5
1.0	15.0	0.0	1.0	0.0	-107.6	226.7	225.2	2.2
1.0	15.0	1.0	0.0	0.0	-125.1	261.8	260.3	4.8
1.0	15.0	1.0	0.0	0.0	-110.0	231.6	230.0	3.2
1.0	15.0	0.0	0.0	0.0	-129.3	260.7	260.6	4.7
1.0	15.0	0.0	1.0	0.0	-113.5	238.6	237.0	3.0
1.0	15.0	1.0	0.0	0.0	-140.9	293.4	291.8	11.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	1.0	0.0	0.0	-135.8	283.1	281.6	10.1
1.0	15.0	0.0	0.0	0.0	-128.8	259.7	259.7	5.4
1.0	15.0	0.0	2.0	0.0	-117.2	246.0	244.5	4.0
1.0	15.0	2.0	0.0	0.0	-175.3	362.2	360.6	13.7
1.0	15.0	2.0	0.0	0.0	-140.3	292.2	290.6	7.4
1.0	15.0	0.0	1.0	0.0	-155.5	313.0	312.9	11.9
1.0	15.0	0.0	1.0	0.0	-130.0	271.5	269.9	4.7
1.0	15.0	0.0	0.0	0.0	-105.4	212.9	212.8	2.9
1.0	15.0	1.0	0.0	0.0	-104.1	219.7	218.2	1.9
1.0	15.0	0.0	1.0	0.0	-143.9	299.3	297.8	6.2
1.0	15.0	0.0	1.0	0.0	-126.0	263.6	262.1	3.9
0.7	15.0	1.0	0.0	0.0	-103.4	226.9	222.9	8.6
0.8	15.0	2.0	0.0	0.0	-107.6	235.1	231.1	4.6
1.0	15.0	0.0	1.0	0.0	-168.8	349.1	347.6	10.2
0.9	15.0	0.0	6.0	0.0	-143.5	298.6	297.0	6.4
1.0	15.0	7.0	0.0	0.0	-120.4	252.4	250.8	3.6
1.0	15.0	8.0	0.0	0.0	-139.8	291.1	289.6	8.1
1.0	15.0	0.0	0.0	0.0	-176.3	354.7	354.6	10.6
1.0	15.0	0.0	1.0	0.0	-119.5	250.5	248.9	4.5
0.8	15.0	0.0	4.0	0.0	-166.9	353.9	349.8	10.6
1.0	15.0	2.0	3.0	0.0	-128.5	277.1	273.0	6.9
1.0	15.0	0.0	0.0	0.0	-140.5	283.1	283.0	6.1
1.0	15.0	0.0	5.0	0.0	-138.0	287.6	286.0	4.9
1.0	15.0	3.0	0.0	0.0	-126.3	272.6	268.6	8.2
1.0	15.0	3.0	0.0	0.0	-120.1	251.7	250.2	6.1
1.0	15.0	0.0	1.0	0.0	-174.8	351.7	351.6	14.2
1.0	15.0	0.0	2.0	0.0	-119.2	249.9	248.3	4.0
1.0	15.0	3.0	0.0	0.0	-111.3	234.2	232.6	3.4
1.0	15.0	2.0	0.0	0.0	-103.8	219.1	217.5	2.1
1.0	15.0	0.0	0.0	0.0	-165.1	332.4	332.3	10.3
1.0	15.0	0.0	0.0	0.0	-142.5	287.2	287.1	5.4
1.0	15.0	7.0	0.0	0.0	-173.9	359.4	357.8	12.2
1.0	15.0	5.0	0.0	0.0	-149.4	310.3	308.7	7.7
1.0	15.0	0.0	0.0	0.0	-159.4	320.8	320.7	8.0
1.0	15.0	0.0	0.0	0.0	-129.0	260.1	260.0	4.4
1.0	15.0	3.0	0.0	0.0	-162.8	337.2	335.6	11.5
1.0	15.0	2.0	0.0	0.0	-141.4	294.2	292.7	7.1
1.0	15.0	0.0	0.0	0.0	-170.1	342.2	342.1	10.8
1.0	15.0	0.0	0.0	0.0	-129.3	260.6	260.6	4.4
1.0	15.0	1.0	0.0	0.0	-160.3	332.1	330.6	12.5
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.2
1.0	15.0	0.0	0.0	0.0	-132.9	267.9	267.8	4.6
0.9	15.0	0.0	1.0	0.0	-136.0	283.5	281.9	5.1
0.6	15.0	1.0	0.0	0.0	-165.6	342.7	341.1	14.1
0.9	15.0	1.0	0.0	0.0	-149.5	310.5	309.0	13.7
1.0	15.0	0.0	0.0	0.0	-154.4	311.0	310.9	6.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-117.0	245.6	244.1	4.0
1.0	15.0	2.0	0.0	0.0	-156.3	324.1	322.5	8.2
1.0	15.0	2.0	0.0	0.0	-158.5	328.5	327.0	9.9
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	7.9
0.9	15.0	0.0	2.0	0.0	-135.6	282.6	281.1	4.9
1.0	15.0	3.0	0.0	0.0	-190.1	391.6	390.1	23.3
1.0	15.0	3.0	0.0	0.0	-154.1	319.7	318.1	14.7
1.0	15.0	0.0	0.0	0.0	-140.4	282.9	282.8	5.5
1.0	15.0	1.0	1.0	0.0	-154.6	320.7	319.1	9.9
1.0	15.0	4.0	1.0	0.0	-179.6	379.2	375.2	36.5
1.0	15.0	4.0	1.0	0.0	-150.7	321.4	317.4	26.2
1.0	15.0	0.0	0.0	0.0	-153.9	309.8	309.7	12.5
1.0	15.0	0.0	2.0	0.0	-112.0	235.6	234.1	3.1
1.0	15.0	1.0	1.0	0.0	-135.5	282.5	281.0	5.1
1.0	15.0	1.0	0.0	0.0	-125.7	263.0	261.5	5.5
1.0	15.0	0.0	2.0	0.0	-164.4	340.4	338.9	9.9
1.0	15.0	0.0	1.0	0.0	-128.2	268.0	266.4	4.3
1.0	15.0	0.0	0.0	0.0	-107.6	217.2	217.1	3.4
1.0	15.0	1.0	0.0	0.0	-111.4	234.4	232.8	3.8
1.0	15.0	0.0	1.0	0.0	-157.1	325.8	324.3	8.8
1.0	15.0	0.0	1.0	0.0	-123.6	258.8	257.2	3.9
1.0	15.0	0.0	0.0	0.0	-64.6	131.3	131.2	1.1
1.0	15.0	1.0	0.0	0.0	-67.8	147.1	145.5	1.3
1.0	15.0	0.0	1.0	0.0	-150.4	312.4	310.8	9.4
1.0	15.0	0.0	1.0	0.0	-133.7	279.0	277.4	4.3
1.0	15.0	0.0	0.0	0.0	-98.1	198.2	198.2	2.8
1.0	15.0	1.0	0.0	0.0	-83.5	178.6	177.1	1.3
1.0	15.0	0.0	1.0	0.0	-155.7	322.9	321.3	7.9
1.0	15.0	0.0	3.0	0.0	-139.0	289.6	288.0	6.2
1.0	15.0	3.0	1.0	0.0	-145.4	310.9	306.9	6.3
1.0	15.0	3.0	0.0	0.0	-146.4	304.3	302.8	12.5
1.0	15.0	0.0	2.0	0.0	-147.3	306.1	304.5	7.8
1.0	15.0	0.0	1.0	0.0	-122.0	255.4	253.9	3.8
1.0	15.0	1.0	0.0	0.0	-180.7	363.4	363.4	18.0
1.0	15.0	2.0	0.0	0.0	-118.6	248.8	247.2	5.6
1.0	15.0	0.0	1.0	0.0	-138.8	289.2	287.7	12.1
1.0	15.0	0.0	1.0	0.0	-125.9	263.3	261.7	3.9
1.0	15.0	0.0	0.0	0.0	-120.4	242.9	242.8	7.1
1.0	15.0	1.0	0.0	0.0	-112.0	235.5	234.0	9.3
1.0	15.0	0.0	2.0	0.0	-170.2	352.0	350.4	10.0
1.0	15.0	0.0	2.0	0.0	-117.2	246.0	244.5	4.0
1.0	15.0	0.0	0.0	0.0	-64.9	132.0	131.9	0.9
1.0	15.0	1.0	0.0	0.0	-83.8	179.1	177.6	4.5
1.0	15.0	1.0	1.0	0.0	-131.6	274.8	273.3	6.6
1.0	15.0	0.0	1.0	0.0	-125.8	263.2	261.6	3.9
1.0	15.0	0.0	0.0	0.0	-64.7	131.4	131.3	1.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-63.3	138.1	136.5	0.5
1.0	15.0	0.0	1.0	0.0	-163.1	337.7	336.1	9.9
1.0	15.0	0.0	1.0	0.0	-146.5	304.5	303.0	6.4
1.0	15.0	0.0	0.0	0.0	-122.1	246.4	246.3	4.5
1.0	15.0	1.0	0.0	0.0	-117.8	247.2	245.6	3.4
1.0	15.0	0.0	1.0	0.0	-168.2	348.0	346.4	10.2
1.0	15.0	0.0	0.0	0.0	-109.0	220.1	220.1	3.6
1.0	15.0	1.0	0.0	0.0	-133.9	279.4	277.8	4.8
1.0	15.0	1.0	0.0	0.0	-122.8	257.1	255.6	3.9
1.0	15.0	0.0	0.0	0.0	-122.9	248.0	247.9	3.5
1.0	15.0	0.0	0.0	0.0	-139.3	280.7	280.6	5.0
1.0	15.0	4.0	0.0	0.0	-149.3	310.2	308.7	9.0
1.0	15.0	3.0	0.0	0.0	-144.8	301.1	299.5	9.0
1.0	15.0	0.0	0.0	0.0	-117.7	237.5	237.5	3.7
1.0	15.0	0.0	0.0	0.0	-121.5	245.1	245.0	4.1
1.0	15.0	1.0	0.0	0.0	-149.5	310.6	309.1	7.8
1.0	15.0	3.0	0.0	0.0	-123.2	258.0	256.5	3.9
1.0	15.0	0.0	0.0	0.0	-150.0	302.1	302.0	7.3
1.0	15.0	0.0	0.0	0.0	-128.1	258.4	258.3	4.8
1.0	15.0	3.0	0.0	0.0	-165.7	342.9	341.3	11.3
1.0	15.0	2.0	0.0	0.0	-128.9	269.4	267.9	5.1
1.0	15.0	0.0	2.0	0.0	-155.1	321.7	320.1	7.0
1.0	15.0	0.0	3.0	0.0	-141.1	293.7	292.2	7.3
1.0	15.0	4.0	0.0	0.0	-150.3	320.5	316.5	12.5
1.0	15.0	4.0	0.0	0.0	-154.7	321.0	319.4	14.2
1.0	15.0	0.0	0.0	0.0	-141.1	284.4	284.3	6.7
1.0	15.0	0.0	0.0	0.0	-147.1	296.3	296.2	6.9
1.0	15.0	5.0	0.0	0.0	-178.5	368.6	367.0	12.0
1.0	15.0	2.0	0.0	0.0	-136.5	284.5	283.0	6.1
1.0	15.0	0.0	0.0	0.0	-147.7	297.6	297.5	6.9
1.0	15.0	0.0	0.0	0.0	-131.4	264.9	264.8	4.6
0.9	15.0	1.0	0.0	0.0	-108.2	228.0	226.5	5.3
1.0	15.0	1.0	0.0	0.0	-105.2	221.9	220.3	6.1
1.0	15.0	0.0	0.0	0.0	-166.2	334.5	334.4	8.8
1.0	15.0	0.0	1.0	0.0	-119.1	249.8	248.3	3.3
1.0	15.0	2.0	0.0	0.0	-138.5	288.5	287.0	5.9
1.0	15.0	1.0	0.0	0.0	-128.0	267.6	266.0	4.5
1.0	15.0	0.0	0.0	0.0	-154.4	310.9	310.8	8.4
1.0	15.0	0.0	0.0	0.0	-134.2	270.5	270.4	4.7
1.0	15.0	2.0	0.0	0.0	-142.7	297.0	295.5	6.5
1.0	15.0	2.0	0.0	0.0	-128.8	269.1	267.5	5.2
1.0	15.0	0.0	0.0	0.0	-164.2	330.5	330.4	9.5
0.9	15.0	0.0	8.0	0.0	-171.3	354.2	352.7	12.9
1.0	15.0	2.0	5.0	0.0	-147.8	315.7	311.7	14.5
0.8	15.0	5.0	0.0	0.0	-171.5	362.9	358.9	24.3
1.0	15.0	0.0	5.0	0.0	-167.2	345.8	344.3	10.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	9.0	0.0	-156.6	324.8	323.3	8.3
0.5	15.0	2.0	10.0	0.0	-243.8	507.7	503.7	67.1
0.7	15.0	2.0	4.0	0.0	-200.6	421.3	417.3	27.5
1.0	15.0	0.0	10.0	0.0	-163.8	339.2	337.7	13.5
1.0	15.0	6.0	2.0	0.0	-157.0	334.0	330.0	9.2
0.8	15.0	3.0	2.0	0.0	-148.2	316.5	312.5	7.4
1.0	15.0	2.0	2.0	0.0	-176.5	364.6	363.0	16.2
1.0	15.0	0.0	6.0	0.0	-196.4	404.3	402.8	18.7
1.0	15.0	0.0	8.0	0.0	-164.5	340.6	339.1	10.5
0.8	15.0	3.0	0.0	0.0	-102.9	217.4	215.8	6.3
1.0	15.0	7.0	0.0	0.0	-166.9	345.4	343.8	20.7
1.0	15.0	0.0	8.0	0.0	-164.0	339.5	338.0	10.3
0.8	15.0	0.0	7.0	0.0	-174.8	361.1	359.5	12.4
1.0	15.0	5.0	0.0	0.0	-161.6	343.3	339.3	14.5
1.0	15.0	7.0	0.0	0.0	-186.7	384.9	383.3	18.7
1.0	15.0	0.0	8.0	0.0	-185.6	382.8	381.3	14.2
1.0	15.0	0.0	7.0	0.0	-161.0	333.5	331.9	12.9
1.0	15.0	0.0	0.0	0.0	-86.5	175.0	175.0	2.9
0.9	15.0	5.0	0.0	0.0	-127.6	266.7	265.2	9.4
1.0	15.0	0.0	7.0	0.0	-167.4	346.5	344.9	11.0
0.9	15.0	0.0	7.0	0.0	-154.4	320.4	318.8	8.2
0.9	15.0	0.0	4.0	0.0	-114.5	240.5	239.0	3.7
0.9	15.0	6.0	0.0	0.0	-166.8	345.1	343.6	13.4
1.0	15.0	0.0	9.0	0.0	-172.3	356.2	354.7	12.9
1.0	15.0	0.0	0.0	0.0	-126.1	254.2	254.1	3.7
1.0	15.0	3.0	0.0	0.0	-166.1	343.7	342.1	11.7
1.0	15.0	4.0	0.0	0.0	-149.4	310.4	308.9	7.3
1.0	15.0	0.0	0.0	0.0	-156.7	315.5	315.4	7.5
1.0	15.0	0.0	2.0	0.0	-119.1	249.8	248.2	3.4
1.0	15.0	0.0	1.0	0.0	-160.0	322.1	322.1	10.7
1.0	15.0	1.0	0.0	0.0	-126.7	273.3	269.3	4.9
1.0	15.0	0.0	1.0	0.0	-149.0	309.6	308.0	8.1
0.9	15.0	0.0	2.0	0.0	-125.3	262.1	260.6	3.8
1.0	15.0	7.0	0.0	0.0	-176.5	364.5	362.9	16.1
1.0	15.0	7.0	0.0	0.0	-149.2	310.0	308.5	13.2
1.0	15.0	2.0	0.0	0.0	-164.7	341.0	339.4	9.6
1.0	15.0	0.0	1.0	0.0	-135.1	281.8	280.2	5.3
1.0	15.0	2.0	0.0	0.0	-145.5	302.6	301.0	6.3
1.0	15.0	2.0	0.0	0.0	-127.6	266.7	265.2	4.0
1.0	15.0	0.0	1.0	0.0	-134.3	270.7	270.6	8.2
0.9	15.0	0.0	4.0	0.0	-126.9	273.8	269.8	6.5
1.0	15.0	4.0	0.0	0.0	-183.3	386.5	382.5	27.8
1.0	15.0	4.0	0.0	0.0	-147.2	314.4	310.4	17.4
1.0	15.0	0.0	3.0	0.0	-160.7	332.9	331.3	10.8
1.0	15.0	0.0	2.0	0.0	-124.0	259.6	258.0	7.6
1.0	15.0	0.0	0.0	0.0	-65.0	132.1	132.0	1.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-90.0	191.6	190.0	4.2
1.0	15.0	0.0	3.0	0.0	-151.4	314.4	312.9	10.6
1.0	15.0	0.0	2.0	0.0	-124.6	260.8	259.3	4.3
1.0	15.0	4.0	0.0	0.0	-168.5	348.6	347.1	11.4
0.9	15.0	3.0	0.0	0.0	-143.5	298.5	297.0	7.7
1.0	15.0	0.0	0.0	0.0	-147.6	297.2	297.1	6.3
1.0	15.0	0.0	2.0	0.0	-129.9	271.3	269.8	4.8
1.0	15.0	2.0	0.0	0.0	-162.9	337.3	335.8	13.9
1.0	15.0	2.0	0.0	0.0	-123.0	257.6	256.0	5.5
1.0	15.0	0.0	0.0	0.0	-149.1	300.2	300.1	6.5
1.0	15.0	0.0	0.0	0.0	-129.1	260.2	260.1	4.1
1.0	15.0	2.0	0.0	0.0	-138.3	288.1	286.5	9.4
1.0	15.0	2.0	0.0	0.0	-118.8	249.2	247.7	6.0
1.0	15.0	0.0	0.0	0.0	-144.3	290.6	290.5	6.0
1.0	15.0	0.0	8.0	0.0	-141.2	302.4	298.4	6.6
0.9	15.0	4.0	3.0	0.0	-187.1	394.2	390.2	18.9
1.0	15.0	4.0	0.0	0.0	-180.1	380.2	376.2	20.0
0.7	15.0	1.0	2.0	0.0	-160.1	340.1	336.1	11.5
1.0	15.0	0.0	2.0	0.0	-134.6	280.8	279.3	4.7
1.0	15.0	0.0	0.0	0.0	-172.9	347.8	347.7	14.6
1.0	15.0	2.0	0.0	0.0	-129.5	270.6	269.1	6.8
1.0	15.0	0.0	2.0	0.0	-147.8	307.1	305.5	7.8
0.5	15.0	0.0	2.0	0.0	-173.6	358.7	357.2	11.6
0.9	15.0	8.0	0.0	0.0	-169.6	359.3	355.3	15.5
1.0	15.0	6.0	0.0	0.0	-167.5	346.5	344.9	17.9
1.0	15.0	0.0	2.0	0.0	-188.0	378.0	377.9	14.7
1.0	15.0	0.0	0.0	0.0	-134.6	271.3	271.2	5.0
0.8	15.0	4.0	0.0	0.0	-132.9	285.7	281.7	7.6
0.9	15.0	3.0	0.0	0.0	-130.1	271.7	270.2	6.3
1.0	15.0	0.0	4.0	0.0	-138.6	288.8	287.3	5.6
1.0	15.0	0.0	0.0	0.0	-125.6	253.4	253.3	4.3
1.0	15.0	4.0	0.0	0.0	-163.4	338.4	336.9	11.1
1.0	15.0	2.0	0.0	0.0	-127.7	266.9	265.4	5.7
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.0	6.1
1.0	15.0	1.0	2.0	0.0	-147.1	305.7	304.1	8.3
0.6	15.0	3.0	0.0	0.0	-174.5	369.0	365.0	26.7
0.7	15.0	3.0	0.0	0.0	-146.9	313.9	309.9	10.2
1.0	15.0	0.0	0.0	0.0	-177.5	357.2	357.1	16.6
1.0	15.0	0.0	4.0	0.0	-129.7	271.0	269.5	4.1
1.0	15.0	2.0	0.0	0.0	-149.6	319.2	315.2	10.7
1.0	15.0	2.0	0.0	0.0	-154.7	329.5	325.5	10.4
1.0	15.0	0.0	0.0	0.0	-147.7	297.4	297.3	6.7
1.0	15.0	0.0	0.0	0.0	-148.5	299.1	299.0	8.9
1.0	15.0	4.0	1.0	0.0	-180.5	381.1	377.1	24.8
1.0	15.0	2.0	1.0	0.0	-153.7	327.4	323.4	14.5
1.0	15.0	0.0	0.0	0.0	-170.5	343.1	343.0	13.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-131.2	264.4	264.3	8.2
0.8	15.0	2.0	0.0	0.0	-136.2	292.3	288.3	19.2
0.9	15.0	2.0	0.0	0.0	-148.2	316.4	312.4	28.1
0.7	15.0	0.0	1.0	0.0	-171.1	344.2	344.1	16.7
1.0	15.0	0.0	0.0	0.0	-124.2	250.5	250.4	4.2
1.0	15.0	2.0	0.0	0.0	-115.0	241.5	240.0	6.2
1.0	15.0	2.0	0.0	0.0	-120.7	252.9	251.3	6.3
1.0	15.0	0.0	0.0	0.0	-147.3	296.8	296.7	6.1
1.0	15.0	0.0	1.0	0.0	-111.1	233.8	232.2	2.6
1.0	15.0	1.0	0.0	0.0	-143.9	299.4	297.8	8.3
1.0	15.0	1.0	0.0	0.0	-138.8	289.2	287.7	8.8
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	4.6
1.0	15.0	0.0	4.0	0.0	-140.3	292.2	290.7	5.6
1.0	15.0	0.0	2.0	0.0	-187.7	387.0	385.4	26.8
1.0	15.0	2.0	3.0	0.0	-144.6	309.2	305.2	11.8
1.0	15.0	0.0	2.0	0.0	-153.6	318.8	317.3	13.1
1.0	15.0	0.0	3.0	0.0	-123.6	258.7	257.1	8.9
1.0	15.0	0.0	0.0	0.0	-76.2	154.5	154.4	1.8
0.9	15.0	2.0	0.0	0.0	-100.2	211.9	210.3	7.1
1.0	15.0	0.0	3.0	0.0	-142.1	295.8	294.2	12.9
1.0	15.0	0.0	0.0	0.0	-111.1	224.3	224.2	3.2
1.0	15.0	2.0	0.0	0.0	-105.6	222.6	221.1	3.1
1.0	15.0	1.0	0.0	0.0	-101.4	214.3	212.8	2.9
1.0	15.0	0.0	0.0	0.0	-143.5	289.1	289.0	6.1
1.0	15.0	0.0	2.0	0.0	-106.1	223.8	222.3	2.1
1.0	15.0	0.0	0.0	0.0	-104.9	211.9	211.8	3.4
1.0	15.0	2.0	0.0	0.0	-94.0	199.5	197.9	0.7
1.0	15.0	0.0	1.0	0.0	-173.0	357.6	356.0	11.1
1.0	15.0	0.0	3.0	0.0	-149.1	309.7	308.2	8.8
0.8	15.0	3.0	4.0	0.0	-194.5	400.6	399.1	30.5
1.0	15.0	2.0	0.0	0.0	-157.0	333.9	329.9	16.4
1.0	15.0	0.0	4.0	0.0	-168.3	348.0	346.5	17.2
1.0	15.0	0.0	3.0	0.0	-119.9	251.4	249.9	8.9
1.0	15.0	0.0	0.0	0.0	-74.5	151.1	151.0	1.8
0.9	15.0	2.0	0.0	0.0	-94.6	200.8	199.2	10.5
1.0	15.0	0.0	4.0	0.0	-154.8	321.2	319.6	12.9
1.0	15.0	0.0	2.0	0.0	-124.4	260.3	258.7	3.9
1.0	15.0	0.0	0.0	0.0	-111.6	225.3	225.2	3.5
1.0	15.0	3.0	0.0	0.0	-102.3	216.2	214.7	1.9
1.0	15.0	0.0	2.0	0.0	-173.3	358.1	356.6	10.5
1.0	15.0	0.0	2.0	0.0	-111.0	233.6	232.0	3.4
1.0	15.0	2.0	0.0	0.0	-131.4	274.3	272.8	4.6
1.0	15.0	2.0	0.0	0.0	-114.4	240.3	238.8	3.3
1.0	15.0	0.0	0.0	0.0	-144.7	291.4	291.4	5.7
1.0	15.0	0.0	1.0	0.0	-115.9	243.3	241.8	3.3
1.0	15.0	0.0	0.0	0.0	-71.0	144.0	143.9	2.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	1.0	0.0	0.0	-84.8	181.1	179.6	2.0
1.0	15.0	0.0	1.0	0.0	-163.9	339.4	337.9	9.1
1.0	15.0	0.0	0.0	0.0	-121.6	245.3	245.2	3.9
1.0	15.0	2.0	0.0	0.0	-172.3	356.1	354.6	13.8
1.0	15.0	3.0	1.0	0.0	-138.1	287.7	286.2	5.9
1.0	15.0	0.0	0.0	0.0	-156.1	314.3	314.2	8.1
1.0	15.0	0.0	5.0	0.0	-150.3	312.1	310.6	8.0
0.9	15.0	5.0	1.0	0.0	-225.0	469.9	465.9	39.0
1.0	15.0	4.0	1.0	0.0	-183.2	386.3	382.3	26.1
1.0	15.0	0.0	3.0	0.0	-153.3	318.1	316.6	12.1
0.8	15.0	0.0	2.0	0.0	-157.3	326.2	324.6	8.0
0.9	15.0	3.0	0.0	0.0	-139.5	290.5	289.0	13.3
0.7	15.0	3.0	0.0	0.0	-131.7	283.4	279.4	14.6
1.0	15.0	0.0	1.0	0.0	-169.5	341.1	341.0	12.5
1.0	15.0	0.0	0.0	0.0	-141.5	285.1	285.0	5.3
1.0	15.0	4.0	0.0	0.0	-170.9	353.4	351.8	10.7
0.7	15.0	3.0	0.0	0.0	-161.9	343.8	339.8	11.4
1.0	15.0	0.0	0.0	0.0	-135.1	272.4	272.3	4.2
1.0	15.0	0.0	0.0	0.0	-133.5	269.2	269.1	4.8
1.0	15.0	1.0	0.0	0.0	-161.5	334.6	333.0	8.7
1.0	15.0	1.0	0.0	0.0	-154.6	320.7	319.2	7.4
1.0	15.0	0.0	0.0	0.0	-133.3	268.7	268.6	4.6
1.0	15.0	0.0	0.0	0.0	-127.8	257.6	257.5	5.0
1.0	15.0	5.0	0.0	0.0	-164.8	341.2	339.6	11.0
1.0	15.0	5.0	0.0	0.0	-145.3	302.1	300.6	7.0
1.0	15.0	0.0	6.0	0.0	-155.1	321.8	320.2	7.4
0.9	15.0	0.0	7.0	0.0	-155.5	322.4	320.9	9.2
1.0	15.0	2.0	5.0	0.0	-152.2	324.4	320.4	10.6
1.0	15.0	6.0	0.0	0.0	-186.2	392.4	388.4	19.2
1.0	15.0	0.0	5.0	0.0	-150.2	311.8	310.3	14.9
0.8	15.0	0.0	4.0	0.0	-139.4	290.3	288.8	5.7
1.0	15.0	0.0	4.0	0.0	-200.0	411.6	410.1	23.6
0.8	15.0	2.0	0.0	0.0	-153.0	317.5	315.9	10.0
1.0	15.0	0.0	4.0	0.0	-163.5	338.6	337.1	9.1
1.0	15.0	0.0	1.0	0.0	-126.7	265.0	263.5	4.4
1.0	15.0	0.0	0.0	0.0	-113.6	229.3	229.2	3.1
1.0	15.0	1.0	0.0	0.0	-125.9	263.4	261.8	7.2
1.0	15.0	0.0	1.0	0.0	-171.8	355.2	353.6	11.0
1.0	15.0	0.0	5.0	0.0	-136.5	284.6	283.0	9.7
0.9	15.0	2.0	0.0	0.0	-85.1	190.2	186.2	2.9
1.0	15.0	5.0	0.0	0.0	-170.3	352.0	350.5	24.3
1.0	15.0	0.0	5.0	0.0	-163.6	338.8	337.2	17.7
1.0	15.0	0.0	3.0	0.0	-154.2	319.8	318.3	7.8
0.8	15.0	3.0	0.0	0.0	-152.6	325.2	321.2	9.7
1.0	15.0	6.0	0.0	0.0	-160.2	331.9	330.4	12.6
1.0	15.0	0.0	2.0	0.0	-168.9	349.3	347.8	11.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-131.3	274.2	272.7	4.9
1.0	15.0	0.0	0.0	0.0	-73.2	148.6	148.5	1.3
1.0	15.0	1.0	0.0	0.0	-66.0	143.5	141.9	0.6
1.0	15.0	0.0	5.0	0.0	-169.4	350.4	348.8	12.7
1.0	15.0	0.0	2.0	0.0	-129.1	269.8	268.3	4.2
1.0	15.0	0.0	0.0	0.0	-109.6	221.3	221.2	3.2
1.0	15.0	2.0	0.0	0.0	-106.4	224.3	222.7	2.8
1.0	15.0	0.0	1.0	0.0	-154.7	321.0	319.4	7.4
1.0	15.0	0.0	2.0	0.0	-130.6	272.8	271.3	4.2
1.0	15.0	3.0	0.0	0.0	-114.2	239.9	238.4	3.8
1.0	15.0	3.0	0.0	0.0	-109.3	230.1	228.6	3.1
1.0	15.0	0.0	3.0	0.0	-138.2	287.9	286.4	5.8
1.0	15.0	1.0	0.0	0.0	-278.9	568.6	567.9	5.8
1.0	15.0	5.0	1.0	0.0	-373.8	765.4	763.6	21.6
1.0	15.0	2.0	1.0	0.0	-302.6	623.0	621.2	11.2
1.0	15.0	0.0	4.0	0.0	-316.0	642.8	642.1	8.3
1.0	15.0	0.0	4.0	0.0	-261.5	533.7	533.0	4.6
1.0	15.0	3.0	0.0	0.0	-253.9	525.5	523.7	4.3
1.0	15.0	4.0	0.0	0.0	-225.5	468.8	467.0	2.9
1.0	15.0	0.0	4.0	0.0	-333.2	677.1	676.4	9.0
1.0	15.0	0.0	2.0	0.0	-115.7	242.9	241.3	3.2
1.0	15.0	3.0	0.0	0.0	-154.1	319.8	318.3	8.5
1.0	15.0	2.0	0.0	0.0	-149.1	309.8	308.3	7.9
1.0	15.0	0.0	0.0	0.0	-143.7	289.5	289.4	6.6
1.0	15.0	0.0	4.0	0.0	-137.3	286.1	284.5	6.4
1.0	15.0	5.0	0.0	0.0	-170.3	352.1	350.6	14.6
1.0	15.0	5.0	0.0	0.0	-147.0	305.4	303.9	10.8
1.0	15.0	0.0	1.0	0.0	-160.0	322.2	322.1	10.4
1.0	15.0	0.0	2.0	0.0	-124.4	260.4	258.8	3.9
1.0	15.0	4.0	0.0	0.0	-126.8	265.1	263.6	4.5
1.0	15.0	4.0	0.0	0.0	-115.8	243.2	241.6	3.5
1.0	15.0	0.0	0.0	0.0	-169.7	341.4	341.4	9.3
1.0	15.0	0.0	2.0	0.0	-113.4	238.3	236.8	3.3
1.0	15.0	0.0	0.0	0.0	-85.7	173.4	173.3	2.9
1.0	15.0	2.0	0.0	0.0	-76.4	164.4	162.9	2.1
1.0	15.0	0.0	0.0	0.0	-122.6	247.3	247.2	4.2
0.7	15.0	0.0	1.0	0.0	-126.2	263.9	262.3	4.6
1.0	15.0	1.0	0.0	0.0	-144.5	300.5	299.0	12.3
0.9	15.0	1.0	0.0	0.0	-130.6	272.8	271.3	11.5
1.0	15.0	0.0	0.0	0.0	-125.5	253.2	253.1	4.3
1.0	15.0	0.0	2.0	0.0	-128.0	267.6	266.1	4.0
1.0	15.0	2.0	0.0	0.0	-109.7	231.0	229.5	2.4
1.0	15.0	2.0	0.0	0.0	-106.5	224.5	223.0	2.5
1.0	15.0	0.0	3.0	0.0	-151.0	313.6	312.1	6.6
1.0	15.0	1.0	0.0	0.0	-151.7	315.0	313.5	8.5
1.0	15.0	3.0	1.0	0.0	-181.7	383.4	379.4	17.1

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	1.0	0.0	-150.6	321.1	317.1	9.1
1.0	15.0	0.0	4.0	0.0	-168.2	347.9	346.3	9.5
0.8	15.0	0.0	2.0	0.0	-134.7	281.0	279.4	4.5
1.0	15.0	4.0	0.0	0.0	-128.5	277.0	273.0	5.1
1.0	15.0	3.0	0.0	0.0	-120.2	260.3	256.3	4.3
1.0	15.0	0.0	5.0	0.0	-167.4	346.3	344.8	8.9
1.0	15.0	0.0	0.0	0.0	-122.3	246.7	246.6	3.3
1.0	15.0	1.0	0.0	0.0	-125.1	261.8	260.3	10.8
0.7	15.0	2.0	0.0	0.0	-116.2	243.9	242.4	8.3
1.0	15.0	1.0	0.0	0.0	-187.5	377.1	377.0	13.4
1.0	15.0	0.0	0.0	0.0	-143.0	288.0	288.0	6.2
1.0	15.0	3.0	0.0	0.0	-148.0	307.4	305.9	9.8
1.0	15.0	2.0	0.0	0.0	-137.0	285.5	284.0	7.5
1.0	15.0	0.0	0.0	0.0	-146.2	294.4	294.3	6.1
1.0	15.0	0.0	0.0	0.0	-148.7	299.6	299.5	6.2
1.0	15.0	4.0	0.0	0.0	-185.7	383.0	381.5	15.5
1.0	15.0	5.0	0.0	0.0	-144.7	301.0	299.5	9.3
1.0	15.0	0.0	0.0	0.0	-152.2	306.4	306.4	7.0
1.0	15.0	0.0	3.0	0.0	-155.7	323.0	321.5	7.5
0.5	15.0	3.0	0.0	0.0	-152.7	325.5	321.5	10.5
1.0	15.0	4.0	0.0	0.0	-169.0	349.6	348.1	13.1
1.0	15.0	0.0	0.0	0.0	-148.4	298.8	298.7	7.1
1.0	15.0	0.0	0.0	0.0	-128.5	259.1	259.0	4.8
1.0	15.0	2.0	0.0	0.0	-172.6	356.8	355.2	18.6
1.0	15.0	2.0	0.0	0.0	-133.6	278.6	277.1	8.6
1.0	15.0	0.0	1.0	0.0	-161.6	325.3	325.2	11.1
1.0	15.0	0.0	1.0	0.0	-128.0	267.5	265.9	4.6
1.0	15.0	2.0	0.0	0.0	-150.2	312.0	310.4	9.9
1.0	15.0	2.0	0.0	0.0	-146.0	303.6	302.1	11.4
1.0	15.0	0.0	1.0	0.0	-180.9	363.9	363.8	15.6
1.0	15.0	0.0	0.0	0.0	-146.2	294.5	294.4	5.9
0.9	15.0	2.0	0.0	0.0	-141.1	293.7	292.1	10.1
0.5	15.0	3.0	0.0	0.0	-119.5	259.1	255.1	5.0
0.9	15.0	0.0	1.0	0.0	-158.6	328.8	327.3	11.5
1.0	15.0	0.0	2.0	0.0	-143.3	298.1	296.6	8.3
0.9	15.0	3.0	0.0	0.0	-112.3	236.2	234.7	6.7
1.0	15.0	3.0	0.0	0.0	-128.0	267.6	266.0	14.6
1.0	15.0	0.0	2.0	0.0	-164.2	339.9	338.4	15.4
1.0	15.0	0.0	1.0	0.0	-115.2	242.0	240.4	3.8
1.0	15.0	2.0	0.0	0.0	-131.2	282.4	278.4	5.8
1.0	15.0	3.0	0.0	0.0	-122.6	256.6	255.1	5.9
1.0	15.0	0.0	1.0	0.0	-145.3	302.1	300.6	5.9
1.0	15.0	0.0	1.0	0.0	-131.6	274.7	273.2	5.8
1.0	15.0	0.0	0.0	0.0	-106.6	215.4	215.3	3.7
0.7	15.0	1.0	0.0	0.0	-106.6	224.7	223.2	5.5
1.0	15.0	0.0	1.0	0.0	-165.9	343.2	341.7	11.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-136.8	285.2	283.6	5.5
1.0	15.0	0.0	1.0	0.0	-105.6	222.8	221.3	2.1
0.9	15.0	1.0	0.0	0.0	-117.3	246.2	244.7	30.6
1.0	15.0	0.0	1.0	0.0	-161.8	335.1	333.5	8.7
1.0	15.0	0.0	2.0	0.0	-106.4	224.3	222.8	2.4
1.0	15.0	2.0	0.0	0.0	-124.2	259.9	258.4	4.2
1.0	15.0	2.0	0.0	0.0	-115.1	241.7	240.1	3.2
1.0	15.0	0.0	0.0	0.0	-156.4	315.0	314.9	8.4
1.0	15.0	0.0	0.0	0.0	-112.2	226.5	226.4	3.2
1.0	15.0	2.0	0.0	0.0	-135.8	283.2	281.7	5.6
1.0	15.0	2.0	0.0	0.0	-111.8	235.1	233.5	2.6
1.0	15.0	0.0	0.0	0.0	-144.1	290.2	290.1	6.4
1.0	15.0	0.0	0.0	0.0	-119.6	241.2	241.1	3.9
1.0	15.0	2.0	0.0	0.0	-160.9	333.2	331.7	9.0
1.0	15.0	1.0	0.0	0.0	-127.7	266.9	265.4	4.1
1.0	15.0	0.0	0.0	0.0	-121.2	244.5	244.4	5.0
1.0	15.0	0.0	0.0	0.0	-136.5	275.0	274.9	5.3
0.7	15.0	2.0	0.0	0.0	-161.8	343.6	339.6	14.6
0.7	15.0	2.0	0.0	0.0	-128.3	276.5	272.5	7.1
1.0	15.0	0.0	0.0	0.0	-153.4	308.9	308.8	6.7
1.0	15.0	0.0	2.0	0.0	-117.3	246.2	244.6	3.3
0.9	15.0	1.0	0.0	0.0	-163.5	347.0	343.0	10.0
1.0	15.0	2.0	0.0	0.0	-155.6	322.8	321.2	8.0
1.0	15.0	0.0	1.0	0.0	-161.3	324.6	324.5	13.4
1.0	15.0	0.0	1.0	0.0	-124.4	260.4	258.8	3.7
1.0	15.0	3.0	1.0	0.0	-140.4	300.8	296.8	5.8
1.0	15.0	2.0	0.0	0.0	-131.9	275.4	273.9	4.9
1.0	15.0	0.0	2.0	0.0	-148.9	309.3	307.8	7.1
1.0	15.0	0.0	1.0	0.0	-116.8	245.2	243.6	3.1
1.0	15.0	0.0	0.0	0.0	-70.4	142.9	142.8	1.3
1.0	15.0	1.0	0.0	0.0	-77.5	166.5	165.0	3.6
1.0	15.0	0.0	1.0	0.0	-137.9	287.4	285.8	5.7
1.0	15.0	0.0	1.0	0.0	-131.0	273.6	272.1	5.0
1.0	15.0	0.0	0.0	0.0	-173.3	348.6	348.5	11.6
1.0	15.0	2.0	0.0	0.0	-153.8	319.1	317.6	7.2
1.0	15.0	0.0	1.0	0.0	-150.0	311.6	310.0	6.5
1.0	15.0	0.0	1.0	0.0	-132.2	275.9	274.3	4.7
1.0	15.0	2.0	1.0	0.0	-113.8	247.6	243.6	3.4
0.8	15.0	1.0	0.0	0.0	-116.7	245.0	243.4	6.0
1.0	15.0	0.0	2.0	0.0	-170.6	352.7	351.1	11.3
1.0	15.0	0.0	0.0	0.0	-127.4	257.0	256.9	5.3
1.0	15.0	1.0	0.0	0.0	-144.1	299.7	298.1	9.1
1.0	15.0	1.0	0.0	0.0	-133.7	278.8	277.3	8.3
1.0	15.0	0.0	0.0	0.0	-131.1	264.3	264.2	4.9
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.8	4.8
0.8	15.0	2.0	0.0	0.0	-167.9	347.3	345.8	11.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	2.0	0.0	0.0	-132.5	285.0	281.0	6.0
1.0	15.0	0.0	1.0	0.0	-156.3	314.7	314.6	7.9
1.0	15.0	0.0	0.0	0.0	-107.3	216.8	216.7	2.6
0.6	15.0	1.0	0.0	0.0	-149.1	309.8	308.3	8.3
1.0	15.0	0.0	0.0	0.0	-107.4	217.0	216.9	6.2
1.0	15.0	0.0	0.0	0.0	-142.4	286.9	286.8	5.8
1.0	15.0	0.0	0.0	0.0	-137.7	277.5	277.4	5.6
1.0	15.0	2.0	0.0	0.0	-123.0	257.5	256.0	4.4
1.0	15.0	2.0	0.0	0.0	-125.9	263.3	261.7	3.7
1.0	15.0	0.0	0.0	0.0	-142.2	286.5	286.4	6.0
1.0	15.0	0.0	0.0	0.0	-146.6	295.3	295.2	6.4
0.6	15.0	2.0	0.0	0.0	-177.0	365.5	363.9	13.0
1.0	15.0	2.0	0.0	0.0	-170.1	351.7	350.1	13.9
1.0	15.0	0.0	0.0	0.0	-151.8	305.6	305.5	6.5
1.0	15.0	0.0	0.0	0.0	-113.8	229.7	229.6	3.4
1.0	15.0	2.0	0.0	0.0	-158.1	327.8	326.3	10.7
1.0	15.0	2.0	0.0	0.0	-127.7	266.8	265.3	4.7
1.0	15.0	0.0	0.0	0.0	-146.3	294.7	294.6	6.3
1.0	15.0	0.0	2.0	0.0	-124.2	260.0	258.5	5.4
1.0	15.0	2.0	0.0	0.0	-144.3	300.1	298.5	10.7
1.0	15.0	2.0	0.0	0.0	-139.1	289.7	288.1	12.3
1.0	15.0	0.0	0.0	0.0	-124.8	251.7	251.6	3.9
1.0	15.0	0.0	0.0	0.0	-132.1	266.3	266.2	4.5
1.0	15.0	3.0	0.0	0.0	-170.1	351.7	350.2	10.8
1.0	15.0	1.0	0.0	0.0	-139.4	290.3	288.8	6.0
1.0	15.0	0.0	0.0	0.0	-143.8	289.8	289.7	6.1
1.0	15.0	0.0	0.0	0.0	-125.0	252.1	252.0	3.7
1.0	15.0	1.0	0.0	0.0	-98.0	207.4	205.9	1.3
1.0	15.0	2.0	0.0	0.0	-91.9	195.3	193.8	0.9
1.0	15.0	0.0	0.0	0.0	-173.6	349.3	349.2	10.3
0.9	15.0	0.0	3.0	0.0	-127.6	266.8	265.3	5.6
1.0	15.0	1.0	1.0	0.0	-145.9	311.7	307.7	9.1
0.6	15.0	1.0	0.0	0.0	-143.5	306.9	302.9	8.1
1.0	15.0	0.0	0.0	0.0	-137.7	277.5	277.4	7.1
0.9	15.0	6.0	0.0	0.0	-134.7	280.9	279.3	4.9
0.9	15.0	4.0	4.0	0.0	-178.8	378.7	373.7	41.5
1.0	15.0	6.0	2.0	0.0	-114.0	251.1	243.9	21.4
NA	15.0	7.0	0.0	0.0	-178.2	358.5	358.5	19.7
1.0	15.0	0.0	0.0	0.0	-146.4	294.8	294.7	6.9
1.0	13.0	3.0	0.0	0.0	-95.1	211.4	206.2	5.5
0.8	13.0	4.0	0.0	0.0	-89.1	199.2	194.2	2.3
1.0	15.0	0.0	2.0	0.0	-168.3	348.1	346.6	10.5
1.0	15.0	0.0	0.0	0.0	-134.6	271.4	271.3	4.9
1.0	15.0	2.0	0.0	0.0	-138.7	289.0	287.5	5.4
1.0	15.0	2.0	0.0	0.0	-134.2	280.0	278.5	4.6
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	5.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-261.6	533.9	533.2	5.5
1.0	15.0	0.0	1.0	0.0	-344.7	691.4	691.4	13.2
1.0	15.0	2.0	0.0	0.0	-292.9	596.6	595.8	7.6
1.0	15.0	0.0	1.0	0.0	-300.3	611.2	610.5	9.1
1.0	15.0	0.0	1.0	0.0	-306.4	623.6	622.8	8.1
1.0	15.0	1.0	1.0	0.0	-360.1	738.0	736.2	18.5
1.0	15.0	2.0	1.0	0.0	-271.9	561.5	559.7	8.2
1.0	15.0	0.0	1.0	0.0	-348.9	708.5	707.8	13.2
1.0	15.0	0.0	1.0	0.0	-274.5	559.7	558.9	5.4
1.0	15.0	0.0	0.0	0.0	-175.3	352.6	352.6	1.8
1.0	15.0	1.0	0.0	0.0	-225.0	460.6	459.9	8.0
1.0	15.0	0.0	1.0	0.0	-375.4	761.6	760.9	13.8
1.0	15.0	0.0	1.0	0.0	-265.7	542.2	541.5	4.6
1.0	15.0	1.0	1.0	0.0	-238.7	488.1	487.4	3.2
1.0	15.0	1.0	0.0	0.0	-234.7	480.0	479.3	6.4
1.0	15.0	0.0	1.0	0.0	-329.4	669.6	668.8	9.1
1.0	15.0	0.0	1.0	0.0	-123.9	259.3	257.8	3.7
1.0	15.0	0.0	0.0	0.0	-94.1	190.3	190.2	2.4
1.0	15.0	1.0	0.0	0.0	-81.2	173.9	172.3	1.4
1.0	15.0	0.0	1.0	0.0	-150.6	312.8	311.3	7.0
1.0	15.0	0.0	2.0	0.0	-129.1	269.7	268.2	4.4
0.7	15.0	3.0	0.0	0.0	-158.6	337.2	333.2	12.2
1.0	15.0	2.0	0.0	0.0	-146.2	303.8	302.3	10.2
1.0	15.0	0.0	0.0	0.0	-152.0	306.2	306.1	7.4
1.0	15.0	0.0	0.0	0.0	-114.1	230.3	230.2	3.4
1.0	15.0	2.0	0.0	0.0	-134.9	281.4	279.8	5.4
1.0	15.0	2.0	0.0	0.0	-129.3	270.1	268.6	4.7
1.0	15.0	0.0	0.0	0.0	-123.2	248.5	248.5	4.5
1.0	15.0	0.0	4.0	0.0	-126.7	264.9	263.4	4.9
1.0	15.0	1.0	3.0	0.0	-137.6	286.7	285.2	6.2
1.0	15.0	2.0	0.0	0.0	-140.5	301.1	297.1	7.5
1.0	15.0	0.0	3.0	0.0	-136.7	284.9	283.4	5.4
1.0	15.0	0.0	8.0	0.0	-137.4	286.4	284.9	5.3
1.0	15.0	0.0	8.0	0.0	-211.6	434.7	433.1	34.0
1.0	15.0	3.0	4.0	0.0	-165.4	350.7	346.7	12.1
1.0	15.0	0.0	4.0	0.0	-135.5	282.6	281.1	7.5
1.0	15.0	0.0	4.0	0.0	-144.6	300.7	299.2	7.6
1.0	15.0	0.0	3.0	0.0	-113.6	238.8	237.3	2.7
1.0	15.0	1.0	0.0	0.0	-142.3	296.2	294.6	6.8
1.0	15.0	0.0	3.0	0.0	-148.1	307.7	306.2	6.3
1.0	15.0	0.0	5.0	0.0	-109.9	231.4	229.9	3.6
1.0	15.0	0.0	0.0	0.0	-82.6	167.2	167.1	1.9
1.0	15.0	5.0	0.0	0.0	-99.4	210.3	208.7	4.0
1.0	15.0	0.0	4.0	0.0	-128.2	267.9	266.4	6.7
1.0	15.0	0.0	5.0	0.0	-127.2	265.9	264.3	3.6
1.0	15.0	3.0	3.0	0.0	-113.5	247.0	243.0	3.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-141.2	294.0	292.5	7.2
1.0	15.0	0.0	4.0	0.0	-171.0	353.6	352.1	11.6
1.0	15.0	0.0	7.0	0.0	-143.3	298.2	296.7	5.9
1.0	15.0	0.0	0.0	0.0	-98.1	198.3	198.2	2.4
1.0	15.0	4.0	0.0	0.0	-81.6	174.7	173.2	1.4
1.0	15.0	0.0	4.0	0.0	-177.0	365.6	364.0	15.8
1.0	15.0	0.0	4.0	0.0	-140.4	292.3	290.8	9.7
1.0	15.0	3.0	1.0	0.0	-121.2	262.3	258.3	4.5
1.0	15.0	4.0	0.0	0.0	-147.5	306.5	304.9	11.0
1.0	15.0	0.0	3.0	0.0	-167.7	346.9	345.4	14.5
1.0	15.0	0.0	0.0	0.0	-122.6	247.3	247.3	4.6
1.0	15.0	2.0	0.0	0.0	-141.2	293.9	292.4	5.8
1.0	15.0	2.0	0.0	0.0	-127.7	266.9	265.3	4.6
1.0	15.0	0.0	0.0	0.0	-152.4	307.0	306.9	6.6
1.0	15.0	0.0	0.0	0.0	-148.6	299.3	299.2	6.3
1.0	15.0	2.0	0.0	0.0	-156.9	325.4	323.8	10.3
1.0	15.0	2.0	0.0	0.0	-129.3	270.1	268.6	5.1
1.0	15.0	0.0	0.0	0.0	-148.1	298.4	298.3	7.0
1.0	15.0	0.0	0.0	0.0	-139.4	281.0	280.9	9.7
0.8	15.0	4.0	1.0	0.0	-191.8	403.8	399.7	42.2
0.9	15.0	3.0	1.0	0.0	-153.7	327.6	323.5	14.5
1.0	15.0	0.0	2.0	0.0	-159.2	329.9	328.3	12.7
1.0	15.0	0.0	0.0	0.0	-141.1	284.4	284.3	5.5
1.0	15.0	4.0	0.0	0.0	-129.9	279.8	275.8	7.8
1.0	15.0	3.0	0.0	0.0	-131.3	282.7	278.7	6.6
1.0	15.0	0.0	1.0	0.0	-179.3	360.8	360.7	14.4
1.0	15.0	0.0	1.0	0.0	-101.6	214.7	213.1	1.8
1.0	15.0	0.0	0.0	0.0	-68.0	138.2	138.1	1.2
0.8	15.0	1.0	0.0	0.0	-78.6	168.8	167.3	6.3
1.0	15.0	0.0	1.0	0.0	-154.3	320.2	318.7	7.4
1.0	15.0	0.0	2.0	0.0	-111.2	233.9	232.4	2.6
1.0	15.0	1.0	0.0	0.0	-94.6	200.7	199.1	5.4
0.5	15.0	1.0	0.0	0.0	-101.1	213.7	212.1	4.6
1.0	15.0	0.0	2.0	0.0	-147.5	306.6	305.0	8.0
1.0	15.0	1.0	2.0	0.0	-152.5	316.5	314.9	11.0
0.5	15.0	2.0	0.0	0.0	-111.8	235.2	233.6	3.5
0.7	15.0	2.0	0.0	0.0	-125.3	262.0	260.5	11.1
1.0	15.0	0.0	2.0	0.0	-161.8	335.1	333.5	13.1
1.0	15.0	0.0	0.0	0.0	-290.3	582.7	582.7	5.9
0.7	15.0	2.0	0.0	0.0	-362.3	735.3	734.5	15.6
0.9	15.0	3.0	0.0	0.0	-285.6	581.9	581.2	7.2
1.0	15.0	0.0	0.0	0.0	-322.6	647.2	647.1	9.0
1.0	15.0	0.0	0.0	0.0	-121.9	245.8	245.7	3.7
0.7	15.0	1.0	0.0	0.0	-147.2	314.4	310.4	10.4
1.0	15.0	2.0	0.0	0.0	-119.6	250.8	249.2	4.9
1.0	15.0	0.0	0.0	0.0	-147.8	297.7	297.6	5.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-132.2	266.6	266.5	6.0
0.6	15.0	1.0	0.0	0.0	-159.7	339.4	335.4	9.7
0.7	15.0	3.0	0.0	0.0	-119.4	258.8	254.8	3.8
1.0	15.0	0.0	0.0	0.0	-169.1	340.2	340.2	11.1
1.0	15.0	0.0	2.0	0.0	-112.4	236.3	234.7	2.9
0.8	15.0	3.0	0.0	0.0	-156.2	332.3	328.3	9.4
1.0	15.0	3.0	0.0	0.0	-134.5	289.0	285.0	5.0
1.0	15.0	0.0	0.0	0.0	-149.9	301.8	301.7	7.1
1.0	15.0	0.0	1.0	0.0	-135.5	282.5	281.0	10.5
1.0	15.0	3.0	2.0	0.0	-172.9	365.9	361.8	42.5
1.0	15.0	2.0	2.0	0.0	-140.2	300.5	296.4	19.8
1.0	15.0	0.0	2.0	0.0	-165.2	341.8	340.3	15.7
1.0	15.0	0.0	2.0	0.0	-112.6	236.7	235.2	2.7
1.0	15.0	1.0	1.0	0.0	-85.7	191.5	187.5	4.1
1.0	15.0	1.0	0.0	0.0	-95.0	201.6	200.1	3.8
1.0	15.0	0.0	2.0	0.0	-110.4	232.4	230.9	2.6
1.0	15.0	0.0	1.0	0.0	-121.8	255.1	253.5	4.7
1.0	15.0	0.0	0.0	0.0	-73.5	149.1	149.0	1.4
1.0	15.0	1.0	0.0	0.0	-94.1	199.8	198.2	2.7
1.0	15.0	0.0	2.0	0.0	-168.9	349.3	347.7	9.7
1.0	15.0	0.0	1.0	0.0	-112.5	236.6	235.0	2.8
1.0	15.0	2.0	1.0	0.0	-99.7	219.3	215.3	1.4
1.0	15.0	1.0	0.0	0.0	-112.4	236.4	234.8	7.8
1.0	15.0	0.0	1.0	0.0	-150.5	312.6	311.0	6.3
1.0	15.0	0.0	0.0	0.0	-160.6	323.2	323.1	11.9
1.0	15.0	4.0	1.0	0.0	-184.9	389.9	385.9	20.5
1.0	15.0	2.0	1.0	0.0	-144.4	308.7	304.7	15.0
1.0	15.0	0.0	1.0	0.0	-172.0	355.6	354.1	10.4
1.0	15.0	0.0	2.0	0.0	-124.6	260.7	259.1	5.0
1.0	15.0	0.0	0.0	0.0	-87.5	177.0	176.9	5.4
1.0	15.0	3.0	0.0	0.0	-81.2	173.9	172.3	3.1
1.0	15.0	0.0	1.0	0.0	-152.1	306.4	306.3	12.8
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	5.2
1.0	15.0	2.0	0.0	0.0	-171.2	353.9	352.4	13.4
1.0	15.0	3.0	0.0	0.0	-136.0	283.6	282.0	5.5
1.0	15.0	0.0	0.0	0.0	-167.6	337.4	337.3	9.3
1.0	15.0	0.0	0.0	0.0	-147.1	296.2	296.1	7.2
1.0	15.0	2.0	0.0	0.0	-182.8	377.1	375.6	16.3
1.0	15.0	2.0	0.0	0.0	-128.8	269.1	267.6	5.6
1.0	15.0	0.0	0.0	0.0	-140.5	283.2	283.1	8.7
1.0	15.0	0.0	1.0	0.0	-121.1	253.6	252.1	4.1
1.0	15.0	0.0	1.0	0.0	-172.1	346.2	346.1	11.9
0.9	15.0	2.0	1.0	0.0	-142.6	296.8	295.2	5.3
1.0	15.0	0.0	1.0	0.0	-124.8	261.2	259.6	4.1
1.0	15.0	0.0	0.0	0.0	-142.2	286.4	286.3	7.0
0.9	15.0	2.0	0.0	0.0	-151.6	314.7	313.2	8.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-106.1	223.6	222.1	2.3
1.0	15.0	0.0	1.0	0.0	-175.2	352.6	352.5	12.3
1.0	15.0	0.0	2.0	0.0	-126.0	263.5	261.9	4.0
1.0	15.0	3.0	0.0	0.0	-168.8	349.2	347.7	11.6
1.0	15.0	3.0	0.0	0.0	-124.2	260.0	258.4	4.3
1.0	15.0	0.0	0.0	0.0	-159.8	321.7	321.6	8.1
1.0	15.0	0.0	2.0	0.0	-117.4	246.3	244.8	4.9
1.0	15.0	2.0	1.0	0.0	-134.8	289.7	285.7	4.4
0.9	15.0	3.0	0.0	0.0	-125.5	271.0	267.0	5.8
1.0	15.0	0.0	1.0	0.0	-128.9	269.3	267.7	7.3
1.0	15.0	0.0	0.0	0.0	-137.9	277.8	277.7	11.5
1.0	15.0	2.0	1.0	10.0	-208.4	436.8	432.8	60.3
0.9	15.0	2.0	1.0	0.0	-175.3	370.5	366.5	33.2
1.0	15.0	0.0	1.0	0.0	-161.0	333.6	332.1	19.5
1.0	15.0	0.0	1.0	0.0	-159.6	330.7	329.1	8.7
1.0	15.0	0.0	0.0	0.0	-120.0	242.1	242.0	3.7
1.0	15.0	1.0	0.0	0.0	-124.0	259.6	258.0	4.4
1.0	15.0	0.0	1.0	0.0	-174.6	360.7	359.1	12.1
1.0	15.0	0.0	1.0	0.0	-116.0	243.5	242.0	3.7
1.0	15.0	0.0	0.0	0.0	-68.0	138.1	138.0	1.5
1.0	15.0	1.0	0.0	0.0	-74.4	160.3	158.8	2.2
1.0	15.0	0.0	1.0	0.0	-132.5	276.5	275.0	4.7
1.0	15.0	0.0	1.0	0.0	-120.1	251.7	250.2	4.3
1.0	15.0	0.0	0.0	0.0	-53.9	109.9	109.8	0.5
0.7	15.0	1.0	0.0	0.0	-68.4	148.3	146.8	1.3
1.0	15.0	0.0	1.0	0.0	-156.8	325.1	323.5	12.0
1.0	15.0	0.0	2.0	0.0	-165.8	343.2	341.7	12.6
1.0	15.0	0.0	0.0	0.0	-129.7	261.6	261.5	6.5
1.0	15.0	2.0	0.0	0.0	-149.6	310.8	309.3	43.5
1.0	15.0	0.0	2.0	0.0	-169.0	349.4	347.9	13.8
1.0	15.0	0.0	2.0	0.0	-244.9	500.4	499.7	3.9
1.0	15.0	3.0	1.0	0.0	-303.2	624.3	622.5	7.0
1.0	15.0	3.0	0.0	0.0	-274.3	559.4	558.7	7.3
1.0	15.0	0.0	1.0	0.0	-288.6	587.9	587.2	6.7
1.0	15.0	1.0	2.0	0.0	-268.1	546.9	546.2	8.6
1.0	15.0	2.0	1.0	0.0	-383.7	785.2	783.4	27.0
1.0	15.0	2.0	1.0	0.0	-302.0	621.8	620.0	16.7
1.0	15.0	0.0	1.0	0.0	-298.2	607.2	606.5	12.0
1.0	15.0	0.0	1.0	0.0	-278.3	567.3	566.6	6.5
1.0	15.0	0.0	0.0	0.0	-227.5	457.1	457.1	4.0
0.5	15.0	1.0	0.0	0.0	-239.2	489.1	488.4	6.3
1.0	15.0	0.0	2.0	0.0	-338.4	687.5	686.8	12.5
1.0	15.0	0.0	1.0	0.0	-228.8	468.2	467.5	3.4
1.0	15.0	0.0	0.0	0.0	-145.0	292.1	292.1	1.6
1.0	15.0	1.0	0.0	0.0	-169.3	349.2	348.5	9.9
1.0	15.0	0.0	1.0	0.0	-291.0	592.7	592.0	6.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-286.2	583.0	582.3	9.3
1.0	15.0	0.0	0.0	0.0	-215.2	432.5	432.5	5.6
1.0	15.0	2.0	0.0	0.0	-222.0	454.8	454.1	11.8
1.0	15.0	0.0	1.0	0.0	-360.6	723.3	723.2	18.9
1.0	15.0	0.0	1.0	0.0	-248.5	507.7	507.0	4.1
1.0	15.0	0.0	0.0	0.0	-132.6	267.3	267.2	3.7
1.0	15.0	1.0	0.0	0.0	-137.6	286.0	285.3	2.0
1.0	15.0	0.0	1.0	0.0	-272.6	556.0	555.2	6.3
1.0	15.0	0.0	3.0	0.0	-268.2	547.2	546.5	5.9
1.0	15.0	0.0	0.0	0.0	-263.5	529.0	529.0	6.7
1.0	15.0	2.0	0.0	0.0	-282.2	575.1	574.4	29.9
1.0	15.0	0.0	1.0	0.0	-341.4	693.6	692.9	11.9
1.0	15.0	0.0	2.0	0.0	-114.3	240.2	238.7	3.3
1.0	15.0	0.0	0.0	0.0	-151.0	304.2	304.1	7.0
1.0	15.0	1.0	0.0	0.0	-130.2	271.9	270.3	5.4
1.0	15.0	0.0	1.0	0.0	-153.1	308.3	308.2	8.7
1.0	15.0	0.0	0.0	0.0	-148.3	298.7	298.6	7.3
1.0	15.0	2.0	1.0	0.0	-194.7	409.3	405.3	44.3
1.0	15.0	2.0	1.0	0.0	-158.7	337.4	333.4	23.1
1.0	15.0	0.0	1.0	0.0	-155.9	313.9	313.8	14.5
1.0	15.0	0.0	3.0	0.0	-112.9	237.3	235.7	3.6
1.0	15.0	0.0	2.0	0.0	-110.1	231.8	230.2	3.2
0.9	15.0	1.0	0.0	0.0	-104.8	221.1	219.6	2.7
1.0	15.0	0.0	1.0	0.0	-170.1	351.8	350.2	9.6
1.0	15.0	0.0	2.0	0.0	-106.4	224.4	222.9	2.1
0.9	15.0	3.0	0.0	0.0	-152.6	316.7	315.1	7.2
1.0	15.0	2.0	0.0	0.0	-151.7	315.0	313.4	7.4
1.0	15.0	0.0	0.0	0.0	-138.2	278.6	278.5	5.5
1.0	15.0	0.0	0.0	0.0	-141.4	285.0	284.9	6.2
1.0	15.0	2.0	1.0	0.0	-181.3	382.6	378.6	25.7
1.0	15.0	2.0	1.0	0.0	-135.8	291.6	287.6	13.0
1.0	15.0	0.0	1.0	0.0	-161.7	325.6	325.5	14.0
1.0	15.0	0.0	1.0	0.0	-124.3	260.1	258.6	5.0
0.9	15.0	0.0	2.0	0.0	-124.8	261.1	259.6	6.0
0.6	15.0	1.0	0.0	0.0	-116.1	243.7	242.2	5.2
1.0	15.0	0.0	1.0	0.0	-181.4	364.8	364.7	14.4
1.0	15.0	0.0	0.0	0.0	-113.9	229.9	229.8	5.4
1.0	15.0	2.0	1.0	0.0	-166.1	352.2	348.2	25.0
1.0	15.0	2.0	1.0	0.0	-135.8	291.6	287.6	15.0
1.0	15.0	0.0	1.0	0.0	-149.7	311.0	309.5	10.3
1.0	15.0	0.0	3.0	0.0	-131.8	275.1	273.5	4.9
0.9	15.0	1.0	0.0	0.0	-112.8	245.7	241.7	3.2
0.9	15.0	3.0	0.0	0.0	-104.9	221.4	219.8	2.1
1.0	15.0	0.0	0.0	0.0	-177.2	356.5	356.4	11.9
1.0	15.0	0.0	2.0	0.0	-129.2	269.8	268.3	5.0
0.7	15.0	1.0	0.0	0.0	-148.2	316.3	312.3	6.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-146.0	303.6	302.1	7.0
1.0	15.0	0.0	1.0	0.0	-166.3	334.8	334.7	11.0
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	5.0
1.0	15.0	2.0	1.0	0.0	-169.4	358.8	354.8	17.2
1.0	15.0	1.0	0.0	0.0	-127.4	274.8	270.8	6.6
1.0	15.0	0.0	1.0	0.0	-146.5	304.6	303.0	6.8
1.0	15.0	0.0	2.0	0.0	-136.7	284.9	283.4	5.3
1.0	15.0	0.0	0.0	0.0	-92.3	186.8	186.7	2.9
1.0	15.0	2.0	0.0	0.0	-140.9	293.4	291.8	32.7
1.0	15.0	0.0	3.0	0.0	-141.8	295.1	293.6	4.9
1.0	15.0	0.0	3.0	0.0	-141.1	293.7	292.1	5.6
1.0	15.0	2.0	2.0	0.0	-154.4	328.7	324.7	8.6
1.0	15.0	3.0	0.0	0.0	-155.8	323.1	321.6	9.2
1.0	15.0	0.0	2.0	0.0	-142.4	296.3	294.7	8.4
1.0	15.0	0.0	3.0	0.0	-145.0	301.5	300.0	7.2
1.0	15.0	5.0	1.0	0.0	-185.8	391.6	387.6	36.8
1.0	15.0	4.0	0.0	0.0	-146.6	313.1	309.1	15.7
1.0	15.0	0.0	1.0	0.0	-172.0	355.6	354.0	14.2
1.0	15.0	0.0	1.0	0.0	-141.3	294.2	292.7	6.1
1.0	15.0	0.0	0.0	0.0	-113.1	228.2	228.1	4.9
0.7	15.0	1.0	0.0	0.0	-121.2	254.0	252.4	12.8
1.0	15.0	0.0	1.0	0.0	-177.3	366.1	364.5	12.1
1.0	15.0	0.0	2.0	0.0	-120.3	252.2	250.7	5.1
1.0	15.0	0.0	0.0	0.0	-82.1	166.4	166.3	1.6
1.0	15.0	2.0	0.0	0.0	-89.7	191.0	189.5	4.2
1.0	15.0	0.0	2.0	0.0	-127.4	266.5	264.9	7.1
1.0	15.0	0.0	1.0	0.0	-130.6	272.8	271.2	5.8
1.0	15.0	0.0	0.0	0.0	-98.9	199.8	199.7	3.8
1.0	15.0	1.0	0.0	0.0	-104.5	220.5	219.0	3.6
1.0	15.0	0.0	1.0	0.0	-168.8	349.2	347.6	9.8
1.0	15.0	0.0	1.0	0.0	-125.0	261.5	259.9	4.4
1.0	15.0	0.0	0.0	0.0	-56.0	114.0	113.9	0.6
1.0	15.0	1.0	0.0	0.0	-63.1	137.8	136.2	0.6
1.0	15.0	0.0	1.0	0.0	-157.0	325.5	323.9	10.3
1.0	15.0	0.0	1.0	0.0	-120.4	252.4	250.8	4.4
1.0	15.0	1.0	1.0	0.0	-112.3	236.2	234.7	2.8
1.0	15.0	1.0	0.0	0.0	-106.0	223.5	221.9	3.6
1.0	15.0	0.0	2.0	0.0	-163.7	339.0	337.5	8.9
1.0	15.0	0.0	2.0	0.0	-139.1	289.7	288.2	8.5
1.0	15.0	2.0	1.0	0.0	-149.7	319.4	315.4	9.0
1.0	15.0	4.0	0.0	0.0	-147.9	307.4	305.9	8.2
1.0	15.0	0.0	2.0	0.0	-139.7	291.0	289.4	8.7
1.0	15.0	0.0	3.0	0.0	-128.1	267.6	266.1	5.7
1.0	15.0	4.0	0.0	0.0	-179.1	378.2	374.2	35.9
1.0	15.0	5.0	0.0	0.0	-134.3	288.6	284.6	14.6
1.0	15.0	0.0	1.0	0.0	-159.5	330.5	328.9	7.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-121.8	255.1	253.5	8.7
1.0	15.0	0.0	0.0	0.0	-83.4	168.9	168.8	1.7
1.0	15.0	1.0	0.0	0.0	-97.2	205.8	204.3	9.8
1.0	15.0	0.0	2.0	0.0	-145.6	302.7	301.1	9.4
1.0	15.0	0.0	1.0	0.0	-118.5	248.6	247.1	3.4
1.0	15.0	0.0	0.0	0.0	-100.3	202.7	202.6	4.0
0.8	15.0	1.0	0.0	0.0	-99.1	209.8	208.3	2.1
1.0	15.0	0.0	1.0	0.0	-158.3	328.1	326.6	9.8
1.0	15.0	0.0	1.0	0.0	-123.7	259.0	257.4	3.9
1.0	15.0	0.0	0.0	0.0	-59.9	121.8	121.7	0.8
1.0	15.0	1.0	0.0	0.0	-61.6	134.7	133.1	0.4
1.0	15.0	0.0	1.0	0.0	-176.6	364.8	363.2	14.9
1.0	15.0	0.0	1.0	0.0	-128.0	267.5	266.0	3.9
1.0	15.0	0.0	1.0	0.0	-111.5	234.5	233.0	2.6
0.7	15.0	1.0	0.0	0.0	-98.5	208.6	207.1	1.4
1.0	15.0	0.0	1.0	0.0	-167.2	345.9	344.4	9.3
1.0	15.0	0.0	1.0	0.0	-128.9	269.4	267.8	4.6
1.0	15.0	2.0	1.0	0.0	-133.6	287.3	283.3	5.2
1.0	15.0	1.0	0.0	0.0	-149.5	310.5	308.9	8.5
1.0	15.0	0.0	2.0	0.0	-135.5	282.5	281.0	7.2
1.0	15.0	0.0	2.0	0.0	-140.9	293.4	291.8	6.7
0.9	15.0	0.0	2.0	0.0	-183.5	378.5	376.9	25.7
1.0	15.0	1.0	0.0	0.0	-132.7	285.5	281.4	10.4
1.0	15.0	0.0	2.0	0.0	-145.4	302.4	300.8	10.8
1.0	15.0	1.0	1.0	0.0	-144.2	308.5	304.5	6.2
1.0	15.0	0.0	2.0	0.0	-109.7	230.9	229.4	2.5
1.0	15.0	1.0	1.0	0.0	-137.0	285.5	284.0	6.0
1.0	15.0	0.0	3.0	0.0	-162.7	336.9	335.3	8.9
1.0	15.0	0.0	2.0	0.0	-115.1	241.8	240.2	2.9
1.0	15.0	0.0	0.0	0.0	-77.4	156.9	156.8	1.9
1.0	15.0	1.0	0.0	0.0	-84.5	180.5	179.0	5.4
1.0	15.0	0.0	3.0	0.0	-166.9	345.4	343.9	13.2
1.0	15.0	0.0	2.0	0.0	-116.7	244.9	243.4	4.2
1.0	15.0	0.0	0.0	0.0	-91.7	185.5	185.4	2.6
1.0	15.0	1.0	0.0	0.0	-111.4	234.3	232.7	9.9
1.0	15.0	0.0	3.0	0.0	-137.9	287.4	285.8	6.1
1.0	15.0	0.0	2.0	0.0	-140.0	291.5	290.0	5.8
1.0	15.0	0.0	0.0	0.0	-90.7	183.4	183.3	3.4
1.0	15.0	1.0	0.0	0.0	-72.5	156.5	154.9	1.7
1.0	15.0	0.0	3.0	0.0	-168.4	348.4	346.8	12.2
1.0	15.0	0.0	2.0	0.0	-118.0	247.6	246.1	3.1
1.0	15.0	0.0	2.0	0.0	-102.4	216.3	214.8	1.7
1.0	15.0	2.0	0.0	0.0	-111.1	233.8	232.2	4.9
1.0	15.0	0.0	2.0	0.0	-161.4	334.3	332.8	9.6
0.8	15.0	0.0	8.0	0.0	-109.2	238.4	234.4	2.6
0.8	15.0	8.0	0.0	0.0	-170.6	361.1	357.1	11.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	8.0	0.0	0.0	-143.0	306.0	302.0	6.6
1.0	15.0	0.0	0.0	0.0	-151.5	305.2	305.1	6.7
1.0	15.0	0.0	2.0	0.0	-117.7	247.0	245.4	3.1
1.0	15.0	0.0	0.0	0.0	-109.0	220.1	220.0	3.9
1.0	15.0	1.0	0.0	0.0	-123.2	258.0	256.4	5.7
1.0	15.0	0.0	2.0	0.0	-157.0	325.5	323.9	8.1
1.0	15.0	0.0	2.0	0.0	-122.7	256.9	255.3	3.9
0.9	15.0	5.0	0.0	0.0	-172.6	356.9	355.3	14.8
1.0	15.0	5.0	0.0	0.0	-145.5	302.6	301.0	7.6
1.0	15.0	0.0	0.0	0.0	-153.9	310.0	309.9	7.5
1.0	15.0	0.0	0.0	0.0	-908.5	1819.0	1819.0	4.5
1.0	15.0	4.0	0.0	0.0	-1208.9	2428.0	2427.8	12.5
1.0	15.0	3.0	0.0	0.0	-1033.1	2076.5	2076.3	7.2
1.0	15.0	0.0	0.0	0.0	-1031.8	2065.6	2065.6	6.6
1.0	15.0	0.0	0.0	0.0	-518.1	1038.3	1038.3	4.7
1.0	15.0	3.0	0.0	0.0	-649.2	1308.7	1308.3	9.5
1.0	15.0	3.0	0.0	0.0	-509.5	1029.3	1028.9	4.4
1.0	15.0	0.0	0.0	0.0	-603.9	1209.7	1209.7	7.1
1.0	15.0	0.0	0.0	0.0	-999.7	2001.3	2001.3	6.7
1.0	15.0	4.0	0.0	0.0	-1260.2	2530.7	2530.5	16.0
1.0	15.0	3.0	0.0	0.0	-997.0	2004.2	2004.0	8.4
1.0	15.0	0.0	0.0	0.0	-1079.8	2161.7	2161.7	7.9
1.0	15.0	0.0	2.0	0.0	-113.5	238.5	237.0	2.9
1.0	15.0	1.0	1.0	0.0	-135.9	291.8	287.8	5.2
1.0	15.0	2.0	0.0	0.0	-130.4	272.4	270.9	4.3
1.0	15.0	0.0	2.0	0.0	-123.3	258.1	256.5	4.7
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.3
1.0	15.0	2.0	0.0	0.0	-149.7	310.9	309.3	9.0
1.0	15.0	2.0	0.0	0.0	-125.9	263.3	261.8	4.6
1.0	15.0	0.0	0.0	0.0	-140.2	282.4	282.4	5.8
1.0	15.0	0.0	1.0	0.0	-131.3	264.6	264.5	8.1
1.0	15.0	0.0	0.0	0.0	-151.6	305.2	305.1	7.3
0.9	15.0	1.0	0.0	0.0	-124.7	260.9	259.4	7.4
0.9	15.0	0.0	1.0	0.0	-142.9	297.4	295.9	10.7
1.0	15.0	0.0	0.0	0.0	-238.4	478.9	478.9	3.9
1.0	15.0	2.0	0.0	0.0	-255.1	520.9	520.2	4.2
1.0	15.0	2.0	0.0	0.0	-242.7	496.2	495.4	3.6
1.0	15.0	0.0	0.0	0.0	-274.6	551.3	551.3	5.2
1.0	15.0	0.0	0.0	0.0	-309.8	621.6	621.5	6.9
1.0	15.0	8.0	0.0	0.0	-362.6	736.0	735.3	14.2
1.0	15.0	8.0	0.0	0.0	-300.0	610.7	610.0	7.6
1.0	15.0	0.0	0.0	0.0	-297.3	596.6	596.6	7.7
1.0	15.0	0.0	3.0	0.0	-129.1	269.8	268.2	5.0
1.0	15.0	3.0	0.0	0.0	-176.0	363.5	361.9	18.2
1.0	15.0	3.0	0.0	0.0	-129.5	270.6	269.0	5.5
1.0	15.0	0.0	0.0	0.0	-159.6	321.2	321.1	9.5



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	5.0	0.0	-145.7	303.0	301.4	6.5
1.0	15.0	3.0	1.0	0.0	-141.2	302.4	298.4	9.2
1.0	15.0	5.0	0.0	0.0	-147.0	314.1	310.1	10.5
1.0	15.0	0.0	1.0	0.0	-134.5	280.5	278.9	4.8
0.8	15.0	0.0	2.0	0.0	-171.1	353.7	352.2	15.9
1.0	15.0	2.0	2.0	0.0	-216.7	453.5	449.5	41.3
1.0	15.0	3.0	1.0	0.0	-198.7	417.3	413.3	27.5
1.0	15.0	0.0	2.0	0.0	-181.7	375.0	373.4	25.9
1.0	15.0	0.0	3.0	0.0	-117.5	246.6	245.1	3.6
0.6	15.0	0.0	2.0	0.0	-80.8	173.2	171.7	1.1
1.0	15.0	2.0	0.0	0.0	-97.6	206.7	205.2	6.1
1.0	15.0	0.0	5.0	0.0	-171.2	353.9	352.4	14.0
0.9	15.0	0.0	5.0	0.0	-133.3	278.2	276.7	5.3
1.0	15.0	1.0	0.0	0.0	-118.5	257.0	253.0	6.3
0.9	15.0	4.0	0.0	0.0	-135.5	291.0	287.0	7.3
1.0	15.0	0.0	5.0	0.0	-169.1	349.8	348.2	11.7
0.8	15.0	0.0	4.0	0.0	-140.8	301.7	297.7	7.0
1.0	15.0	2.0	0.0	0.0	-130.8	281.6	277.6	6.9
1.0	15.0	3.0	0.0	0.0	-151.2	322.4	318.4	16.7
1.0	15.0	0.0	4.0	0.0	-162.3	336.2	334.6	8.9
1.0	15.0	0.0	0.0	0.0	-152.8	307.7	307.6	6.7
1.0	15.0	4.0	0.0	0.0	-161.4	334.4	332.8	11.2
1.0	15.0	2.0	0.0	0.0	-111.9	235.4	233.8	3.0
1.0	15.0	0.0	0.0	0.0	-142.8	287.8	287.7	7.0
1.0	15.0	0.0	1.0	0.0	-134.2	280.0	278.5	5.1
1.0	15.0	2.0	0.0	0.0	-136.4	284.4	282.9	6.9
1.0	15.0	2.0	0.0	0.0	-127.0	265.6	264.1	8.8
1.0	15.0	0.0	1.0	0.0	-131.3	264.7	264.6	6.6
1.0	15.0	0.0	1.0	0.0	-116.3	244.2	242.6	3.0
1.0	15.0	3.0	0.0	0.0	-149.8	311.2	309.7	6.8
1.0	15.0	1.0	0.0	0.0	-141.3	294.0	292.5	5.5
1.0	15.0	0.0	1.0	0.0	-152.1	306.4	306.3	8.6
1.0	15.0	0.0	0.0	0.0	-131.7	265.5	265.4	4.8
1.0	15.0	2.0	0.0	0.0	-157.0	325.6	324.1	8.2
1.0	15.0	1.0	0.0	0.0	-123.2	258.0	256.4	3.6
1.0	15.0	0.0	0.0	0.0	-172.4	346.8	346.7	10.4
1.0	15.0	2.0	0.0	0.0	-145.4	302.3	300.8	11.3
1.0	15.0	1.0	0.0	0.0	-125.1	261.7	260.1	15.8
1.0	15.0	0.0	0.0	0.0	-94.9	191.9	191.8	2.2
1.0	15.0	0.0	0.0	0.0	-136.3	274.8	274.7	4.8
1.0	15.0	0.0	3.0	0.0	-101.4	214.4	212.9	2.9
1.0	15.0	4.0	0.0	0.0	-163.1	337.8	336.3	9.5
1.0	15.0	4.0	0.0	0.0	-123.3	258.1	256.5	5.3
1.0	15.0	0.0	0.0	0.0	-140.1	282.4	282.3	5.7
1.0	15.0	4.0	0.0	0.0	-153.0	308.1	308.0	6.9
0.7	15.0	1.0	6.0	0.0	-111.4	245.7	238.9	11.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	7.0	0.0	-128.9	259.9	259.8	14.0
1.0	15.0	0.0	1.0	0.0	-173.4	348.9	348.8	13.7
1.0	15.0	0.0	2.0	0.0	-115.5	242.5	241.0	2.8
1.0	15.0	3.0	0.0	0.0	-155.8	323.2	321.7	9.0
1.0	15.0	2.0	0.0	0.0	-115.9	243.4	241.9	3.4
1.0	15.0	0.0	0.0	0.0	-167.9	337.8	337.7	10.4
1.0	15.0	0.0	2.0	0.0	-113.7	238.9	237.4	5.3
1.0	15.0	2.0	1.0	0.0	-127.7	275.5	271.5	5.1
1.0	15.0	3.0	0.0	0.0	-121.0	253.6	252.1	4.9
1.0	15.0	0.0	1.0	0.0	-150.3	312.2	310.7	8.1
1.0	15.0	0.0	3.0	0.0	-123.5	258.7	257.1	3.7
0.5	15.0	4.0	0.0	0.0	-169.4	359.0	354.9	12.4
1.0	15.0	4.0	0.0	0.0	-134.0	279.5	277.9	6.9
1.0	15.0	0.0	1.0	0.0	-157.6	317.4	317.3	8.9
0.6	15.0	0.0	6.0	0.0	-134.7	289.5	285.5	5.8
1.0	15.0	3.0	3.0	0.0	-198.7	417.4	413.4	28.0
1.0	15.0	4.0	1.0	0.0	-174.3	368.5	364.5	13.4
1.0	15.0	0.0	5.0	0.0	-171.1	353.8	352.3	10.9
1.0	15.0	0.0	3.0	0.0	-126.2	264.0	262.4	4.1
1.0	15.0	0.0	0.0	0.0	-153.1	308.2	308.2	7.9
0.6	15.0	3.0	0.0	0.0	-128.5	268.6	267.1	6.9
1.0	15.0	0.0	6.0	0.0	-183.3	378.1	376.6	14.0
1.0	15.0	0.0	5.0	0.0	-125.0	261.5	260.0	6.7
1.0	15.0	0.0	4.0	0.0	-75.0	161.5	159.9	0.7
1.0	15.0	4.0	0.0	0.0	-106.3	224.1	222.6	6.2
1.0	15.0	0.0	5.0	0.0	-143.1	297.7	296.2	8.0
1.0	15.0	0.0	5.0	0.0	-135.5	282.5	280.9	4.8
1.0	15.0	0.0	2.0	0.0	-96.3	204.1	202.6	1.0
1.0	15.0	3.0	0.0	0.0	-113.9	239.4	237.9	5.6
1.0	15.0	0.0	4.0	0.0	-176.8	365.2	363.6	13.3
1.0	15.0	0.0	5.0	0.0	-120.1	251.8	250.2	3.6
1.0	15.0	1.0	4.0	0.0	-125.2	270.3	266.3	5.9
1.0	15.0	3.0	0.0	0.0	-136.6	284.8	283.3	6.7
1.0	15.0	0.0	4.0	0.0	-161.8	335.1	333.6	8.5
1.0	15.0	0.0	2.0	0.0	-118.1	247.8	246.2	3.4
0.5	15.0	5.0	0.0	0.0	-187.4	395.0	390.9	23.0
0.7	15.0	4.0	0.0	0.0	-156.4	332.8	328.7	12.9
1.0	15.0	0.0	1.0	0.0	-169.2	340.4	340.3	10.7
1.0	15.0	0.0	4.0	0.0	-127.3	266.1	264.5	4.5
1.0	15.0	2.0	2.0	0.0	-159.7	339.5	335.5	9.3
1.0	15.0	4.0	0.0	0.0	-155.2	330.5	326.5	9.8
1.0	15.0	0.0	3.0	0.0	-140.6	292.7	291.2	5.9
1.0	15.0	0.0	2.0	0.0	-148.5	308.6	307.1	7.0
1.0	15.0	0.0	2.0	0.0	-116.8	245.2	243.6	4.0
1.0	15.0	2.0	0.0	0.0	-143.4	298.4	296.8	11.5
1.0	15.0	0.0	4.0	0.0	-169.7	351.0	349.5	10.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-122.5	256.5	255.0	14.7
1.0	15.0	0.0	0.0	0.0	-71.4	144.9	144.9	1.5
1.0	15.0	2.0	0.0	0.0	-98.5	208.5	207.0	18.1
1.0	15.0	0.0	5.0	0.0	-161.4	334.4	332.9	18.0
1.0	15.0	0.0	2.0	0.0	-144.1	299.7	298.1	7.5
1.0	15.0	0.0	0.0	0.0	-83.6	169.3	169.2	3.0
1.0	15.0	2.0	0.0	0.0	-131.5	274.6	273.1	17.7
1.0	15.0	0.0	3.0	0.0	-168.8	349.1	347.6	11.0
1.0	15.0	0.0	2.0	0.0	-141.9	295.4	293.8	6.1
1.0	15.0	0.0	0.0	0.0	-102.1	206.3	206.2	2.8
1.0	15.0	2.0	0.0	0.0	-76.4	164.4	162.8	1.4
1.0	15.0	0.0	2.0	0.0	-179.3	370.1	368.6	14.6
1.0	15.0	0.0	5.0	0.0	-124.9	261.3	259.8	5.1
0.9	15.0	0.0	3.0	0.0	-112.3	236.1	234.6	3.0
1.0	15.0	4.0	0.0	0.0	-138.6	288.8	287.2	21.1
1.0	15.0	0.0	3.0	0.0	-165.3	342.1	340.5	10.3
1.0	15.0	0.0	4.0	0.0	-116.7	245.0	243.5	4.5
1.0	15.0	2.0	2.0	0.0	-145.3	310.7	306.7	6.5
1.0	15.0	4.0	0.0	0.0	-148.4	316.9	312.9	9.5
1.0	15.0	0.0	3.0	0.0	-155.0	321.6	320.0	7.2
1.0	15.0	0.0	2.0	0.0	-141.1	293.7	292.2	5.7
1.0	15.0	0.0	2.0	0.0	-119.2	249.8	248.3	4.2
1.0	15.0	2.0	0.0	0.0	-144.2	300.0	298.5	12.4
1.0	15.0	0.0	3.0	0.0	-176.5	364.5	362.9	12.3
1.0	15.0	0.0	3.0	0.0	-125.1	261.8	260.3	9.0
1.0	15.0	0.0	0.0	0.0	-75.1	152.3	152.2	1.6
1.0	15.0	2.0	0.0	0.0	-89.2	190.0	188.4	10.4
1.0	15.0	0.0	2.0	0.0	-146.6	304.7	303.2	7.2
1.0	15.0	0.0	2.0	0.0	-159.7	330.9	329.3	15.0
1.0	15.0	0.0	0.0	0.0	-88.0	178.1	178.0	4.3
1.0	15.0	2.0	0.0	0.0	-131.6	274.7	273.1	25.2
1.0	15.0	0.0	3.0	0.0	-177.9	367.4	365.9	17.4
1.0	15.0	0.0	2.0	0.0	-125.4	262.4	260.8	5.4
1.0	15.0	0.0	0.0	0.0	-84.1	170.3	170.2	2.4
1.0	15.0	2.0	0.0	0.0	-73.4	158.4	156.8	1.5
1.0	15.0	0.0	2.0	0.0	-130.4	272.3	270.8	5.3
1.0	15.0	0.0	4.0	0.0	-141.2	293.9	292.4	7.1
0.7	15.0	0.0	2.0	0.0	-104.5	228.9	224.9	2.5
1.0	15.0	4.0	0.0	0.0	-125.3	262.0	260.5	11.5
1.0	15.0	0.0	2.0	0.0	-169.9	351.3	349.7	10.4
1.0	15.0	0.0	0.0	0.0	-130.5	263.0	262.9	4.4
1.0	15.0	2.0	0.0	0.0	-161.9	335.3	333.7	8.8
1.0	15.0	1.0	0.0	0.0	-113.2	238.0	236.4	3.4
1.0	15.0	0.0	0.0	0.0	-134.8	271.6	271.5	4.7
0.8	15.0	0.0	4.0	0.0	-127.3	266.2	264.6	4.1
1.0	15.0	3.0	0.0	0.0	-177.3	366.2	364.6	15.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	5.0	0.0	0.0	-146.4	304.4	302.8	7.9
1.0	15.0	0.0	0.0	0.0	-143.7	289.4	289.3	6.4
1.0	15.0	0.0	2.0	0.0	-120.0	251.6	250.1	3.5
1.0	15.0	2.0	0.0	0.0	-115.5	242.5	241.0	3.3
0.9	15.0	3.0	0.0	0.0	-113.6	238.8	237.3	3.0
1.0	15.0	0.0	0.0	0.0	-141.2	284.5	284.4	6.0
0.9	15.0	0.0	2.0	0.0	-108.6	228.8	227.2	2.2
1.0	15.0	4.0	0.0	0.0	-153.7	318.9	317.4	8.5
1.0	15.0	3.0	0.0	0.0	-117.2	245.8	244.3	3.4
1.0	15.0	0.0	0.0	0.0	-165.0	332.1	332.0	10.1
1.0	15.0	0.0	0.0	0.0	-143.7	289.6	289.5	6.5
1.0	15.0	5.0	0.0	0.0	-161.7	334.9	333.3	10.5
1.0	15.0	4.0	0.0	0.0	-124.9	261.4	259.9	8.3
1.0	15.0	0.0	0.0	0.0	-138.0	278.1	278.0	5.6
1.0	15.0	0.0	1.0	0.0	-131.5	265.2	265.1	5.6
1.0	15.0	3.0	0.0	0.0	-132.5	276.6	275.0	4.8
1.0	15.0	2.0	0.0	0.0	-124.6	260.8	259.2	4.6
1.0	15.0	0.0	0.0	0.0	-139.9	282.0	281.9	6.2
1.0	15.0	0.0	2.0	0.0	-116.8	245.1	243.5	3.3
1.0	15.0	2.0	0.0	0.0	-168.0	347.7	346.1	11.5
1.0	15.0	1.0	0.0	0.0	-114.6	240.7	239.1	3.7
1.0	15.0	0.0	0.0	0.0	-142.1	286.2	286.1	6.2
1.0	15.0	0.0	1.0	0.0	-151.6	314.8	313.3	8.1
1.0	15.0	2.0	2.0	0.0	-190.0	400.0	396.0	24.1
1.0	15.0	2.0	2.0	0.0	-160.3	340.6	336.6	13.1
1.0	15.0	0.0	2.0	0.0	-159.4	330.4	328.9	8.3
1.0	15.0	0.0	3.0	0.0	-126.9	265.3	263.7	4.3
1.0	15.0	0.0	0.0	0.0	-129.6	261.2	261.2	4.9
1.0	15.0	2.0	0.0	0.0	-111.3	234.1	232.5	2.9
1.0	15.0	0.0	1.0	0.0	-181.0	364.0	363.9	14.0
1.0	15.0	0.0	0.0	0.0	-112.3	226.6	226.5	3.1
1.0	15.0	2.0	0.0	0.0	-136.5	284.6	283.0	4.8
1.0	15.0	2.0	0.0	0.0	-129.8	271.2	269.6	4.1
1.0	15.0	0.0	0.0	0.0	-117.1	236.3	236.2	4.0
1.0	15.0	0.0	0.0	0.0	-144.6	291.2	291.1	7.0
1.0	15.0	4.0	0.0	0.0	-169.0	349.5	348.0	12.9
1.0	15.0	3.0	0.0	0.0	-125.7	262.9	261.4	4.0
1.0	15.0	0.0	0.0	0.0	-166.7	335.5	335.4	8.7
1.0	15.0	2.0	0.0	0.0	-134.7	280.9	279.3	5.0
0.9	15.0	3.0	0.0	0.0	-118.1	247.7	246.1	3.1
1.0	15.0	0.0	0.0	0.0	-77.3	156.8	156.7	1.5
1.0	15.0	0.0	0.0	0.0	-149.5	301.1	301.0	6.5
1.0	15.0	0.0	0.0	0.0	-137.6	277.2	277.1	5.3
1.0	15.0	1.0	0.0	0.0	-163.3	338.1	336.6	9.9
1.0	15.0	1.0	0.0	0.0	-121.0	253.6	252.0	4.5
1.0	15.0	0.0	0.0	0.0	-159.3	320.7	320.6	8.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-122.6	256.8	255.2	3.7
1.0	15.0	2.0	0.0	0.0	-131.2	273.9	272.4	4.9
1.0	15.0	2.0	0.0	0.0	-126.3	264.1	262.5	4.3
1.0	15.0	0.0	1.0	0.0	-153.4	309.0	308.9	7.6
1.0	15.0	0.0	2.0	0.0	-130.8	273.2	271.6	4.9
1.0	15.0	2.0	0.0	0.0	-156.7	325.0	323.4	7.6
1.0	15.0	2.0	0.0	0.0	-144.3	300.1	298.6	5.5
1.0	15.0	0.0	0.0	0.0	-128.2	258.5	258.4	4.1
1.0	15.0	0.0	0.0	0.0	-142.4	286.9	286.8	6.1
1.0	15.0	2.0	0.0	0.0	-169.3	350.2	348.7	14.7
1.0	15.0	3.0	0.0	0.0	-125.4	262.2	260.7	3.8
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	5.6
1.0	15.0	0.0	0.0	0.0	-281.7	565.4	565.4	5.9
0.9	15.0	3.0	0.0	0.0	-361.8	734.3	733.6	15.1
1.0	15.0	2.0	0.0	0.0	-301.5	613.8	613.1	9.8
1.0	15.0	0.0	0.0	0.0	-298.0	598.1	598.1	6.6
1.0	15.0	0.0	2.0	0.0	-126.9	265.3	263.7	7.1
1.0	15.0	0.0	2.0	0.0	-113.5	238.4	236.9	3.6
1.0	15.0	2.0	0.0	0.0	-151.7	314.9	313.4	39.9
1.0	15.0	0.0	2.0	0.0	-147.4	306.4	304.9	9.3
1.0	15.0	0.0	0.0	0.0	-113.9	229.8	229.8	3.5
1.0	15.0	1.0	0.0	0.0	-152.2	315.9	314.4	7.1
1.0	15.0	1.0	0.0	0.0	-122.5	256.5	255.0	3.6
1.0	15.0	0.0	0.0	0.0	-148.2	298.5	298.4	6.2
1.0	15.0	0.0	1.0	0.0	-139.1	289.8	288.3	4.8
1.0	15.0	1.0	0.0	0.0	-90.0	191.6	190.1	6.0
1.0	15.0	1.0	0.0	0.0	-107.7	227.0	225.4	4.7
1.0	15.0	0.0	0.0	0.0	-153.4	309.0	308.9	8.0
1.0	15.0	0.0	2.0	0.0	-121.0	253.5	252.0	4.0
0.9	15.0	0.0	2.0	0.0	-128.6	268.8	267.2	4.4
1.0	15.0	1.0	0.0	0.0	-125.2	261.9	260.4	5.1
1.0	15.0	0.0	2.0	0.0	-135.6	282.8	281.3	5.4
1.0	15.0	0.0	2.0	0.0	-127.0	265.5	263.9	6.6
0.8	15.0	1.0	2.0	0.0	-196.9	413.8	409.8	50.9
0.9	15.0	1.0	0.0	0.0	-156.8	333.7	329.7	13.2
1.0	15.0	0.0	2.0	0.0	-172.9	357.3	355.7	15.3
1.0	15.0	0.0	2.0	0.0	-118.8	249.1	247.6	4.8
1.0	15.0	0.0	0.0	0.0	-81.3	164.6	164.5	2.9
1.0	15.0	2.0	0.0	0.0	-136.8	285.1	283.6	20.2
1.0	15.0	0.0	3.0	0.0	-161.3	334.1	332.6	12.4
1.0	15.0	0.0	1.0	0.0	-118.9	249.3	247.8	4.9
1.0	15.0	0.0	0.0	0.0	-71.9	145.9	145.8	1.3
0.5	15.0	1.0	0.0	0.0	-66.1	143.8	142.2	1.1
1.0	15.0	0.0	1.0	0.0	-143.1	297.7	296.2	6.4
1.0	15.0	0.0	2.0	0.0	-114.5	240.5	238.9	3.0
1.0	15.0	0.0	3.0	0.0	-103.4	218.3	216.7	2.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-110.5	232.5	230.9	3.7
1.0	15.0	0.0	2.0	0.0	-148.9	309.4	307.9	6.9
0.9	15.0	0.0	1.0	0.0	-126.7	264.9	263.4	5.9
0.6	15.0	1.0	0.0	0.0	-152.1	315.8	314.3	10.6
0.7	15.0	1.0	0.0	0.0	-142.8	297.2	295.6	10.4
1.0	15.0	0.0	0.0	0.0	-118.7	239.5	239.4	3.6
1.0	15.0	0.0	0.0	0.0	-141.5	285.1	285.0	6.4
1.0	15.0	2.0	0.0	0.0	-168.1	347.7	346.2	12.3
1.0	15.0	1.0	0.0	0.0	-129.9	271.3	269.7	7.9
1.0	15.0	0.0	0.0	0.0	-149.7	301.4	301.3	6.6
1.0	15.0	0.0	1.0	0.0	-125.0	261.5	259.9	5.7
1.0	15.0	2.0	1.0	0.0	-137.7	287.0	285.4	6.7
1.0	15.0	1.0	0.0	0.0	-136.6	284.8	283.2	6.3
1.0	15.0	0.0	1.0	0.0	-135.6	282.8	281.2	5.7
1.0	15.0	0.0	2.0	0.0	-143.5	298.7	297.1	8.3
0.7	15.0	4.0	2.0	0.0	-185.8	391.7	387.6	24.5
1.0	15.0	0.0	0.0	0.0	-143.8	289.6	289.6	13.3
1.0	15.0	0.0	3.0	0.0	-167.5	346.6	345.1	11.0
1.0	15.0	0.0	1.0	0.0	-140.7	292.9	291.4	6.3
1.0	15.0	0.0	1.0	0.0	-116.1	234.3	234.2	5.0
0.9	15.0	1.0	0.0	0.0	-111.2	233.9	232.4	3.1
1.0	15.0	0.0	1.0	0.0	-185.0	372.2	372.1	15.2
1.0	15.0	0.0	1.0	0.0	-118.5	248.6	247.0	3.3
1.0	15.0	0.0	0.0	0.0	-63.4	128.9	128.8	0.9
1.0	15.0	1.0	0.0	0.0	-82.9	177.4	175.9	10.3
1.0	15.0	0.0	3.0	0.0	-127.9	267.2	265.7	6.0
1.0	15.0	0.0	2.0	0.0	-124.8	261.1	259.6	4.3
1.0	15.0	0.0	0.0	0.0	-90.2	182.6	182.5	3.6
0.9	15.0	1.0	0.0	0.0	-97.0	205.6	204.1	2.7
1.0	15.0	0.0	1.0	0.0	-178.8	359.6	359.5	12.5
1.0	15.0	0.0	1.0	0.0	-145.3	302.2	300.7	5.6
1.0	15.0	0.0	0.0	0.0	-79.4	160.9	160.8	2.1
1.0	15.0	1.0	0.0	0.0	-66.9	145.4	143.8	1.1
1.0	15.0	0.0	1.0	0.0	-182.2	375.9	374.3	15.6
1.0	15.0	0.0	1.0	0.0	-126.8	265.1	263.5	3.8
1.0	15.0	2.0	1.0	0.0	-106.5	233.1	229.1	2.2
1.0	15.0	2.0	0.0	0.0	-111.8	235.2	233.7	5.6
1.0	15.0	0.0	1.0	0.0	-133.9	279.3	277.8	4.8
1.0	15.0	0.0	1.0	0.0	-130.5	272.6	271.0	7.4
0.9	15.0	5.0	1.0	0.0	-174.1	368.2	364.2	18.4
1.0	15.0	0.0	1.0	0.0	-141.3	294.1	292.6	8.0
1.0	15.0	0.0	2.0	0.0	-159.3	330.2	328.7	10.1
1.0	15.0	0.0	1.0	0.0	-121.7	255.0	253.5	3.3
0.9	15.0	1.0	1.0	0.0	-109.5	239.0	235.0	2.8
1.0	15.0	1.0	0.0	0.0	-124.7	261.0	259.4	26.2
1.0	15.0	0.0	1.0	0.0	-136.6	284.8	283.2	6.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-129.3	270.1	268.6	4.5
1.0	15.0	5.0	0.0	0.0	-104.3	220.2	218.6	2.1
1.0	15.0	0.0	0.0	0.0	-74.7	151.4	151.3	1.2
1.0	15.0	0.0	0.0	0.0	-160.2	322.4	322.3	9.0
1.0	15.0	0.0	0.0	0.0	-139.9	281.8	281.7	6.0
0.8	15.0	2.0	1.0	0.0	-189.2	389.9	388.3	17.9
1.0	15.0	0.0	0.0	0.0	-167.9	338.0	337.9	13.1
0.9	15.0	0.0	2.0	0.0	-167.5	346.5	344.9	9.8
0.7	15.0	0.0	6.0	0.0	-130.1	280.2	276.2	4.5
1.0	15.0	5.0	0.0	0.0	-168.2	347.9	346.3	12.2
0.6	15.0	5.0	0.0	0.0	-152.3	324.6	320.6	11.0
1.0	15.0	0.0	0.0	0.0	-154.0	310.1	310.0	11.5
1.0	15.0	0.0	3.0	0.0	-127.2	265.9	264.4	5.7
1.0	15.0	6.0	0.0	0.0	-189.5	390.5	389.0	21.8
1.0	15.0	5.0	0.0	0.0	-156.1	323.7	322.2	13.0
1.0	15.0	0.0	1.0	0.0	-166.6	335.4	335.3	12.5
0.5	15.0	1.0	1.0	0.0	-130.6	272.8	271.2	7.5
1.0	15.0	2.0	1.0	0.0	-164.4	348.8	344.8	12.1
1.0	15.0	2.0	1.0	0.0	-137.5	294.9	290.9	8.2
1.0	15.0	0.0	1.0	0.0	-154.9	321.2	319.7	7.9
1.0	15.0	0.0	0.0	0.0	-116.7	235.6	235.5	3.6
1.0	15.0	2.0	0.0	0.0	-157.4	326.4	324.8	8.3
1.0	15.0	2.0	0.0	0.0	-114.9	241.4	239.9	3.4
1.0	15.0	0.0	0.0	0.0	-138.0	278.2	278.1	6.0
1.0	15.0	0.0	2.0	0.0	-136.3	284.2	282.7	5.3
0.9	15.0	3.0	0.0	0.0	-174.3	360.2	358.7	11.3
0.5	15.0	4.0	0.0	0.0	-172.5	365.0	361.0	13.7
1.0	15.0	0.0	0.0	0.0	-130.2	262.5	262.4	4.8
1.0	15.0	0.0	3.0	0.0	-135.8	283.1	281.5	5.3
1.0	15.0	0.0	0.0	0.0	-135.7	273.5	273.4	11.5
0.8	15.0	2.0	0.0	0.0	-132.8	285.7	281.7	7.7
1.0	15.0	0.0	0.0	0.0	-167.5	337.2	337.1	9.7
1.0	15.0	0.0	0.0	0.0	-111.0	224.0	223.9	3.6
1.0	15.0	1.0	0.0	0.0	-145.4	302.3	300.8	7.4
1.0	15.0	1.0	0.0	0.0	-119.1	249.8	248.3	3.7
1.0	15.0	0.0	0.0	0.0	-168.6	339.2	339.1	9.6
1.0	15.0	0.0	2.0	0.0	-117.3	246.1	244.6	3.6
1.0	15.0	2.0	0.0	0.0	-144.3	300.1	298.6	27.9
1.0	15.0	2.0	0.0	0.0	-128.7	269.0	267.4	15.6
1.0	15.0	0.0	0.0	0.0	-130.2	262.6	262.5	6.1
1.0	15.0	0.0	3.0	0.0	-146.1	303.7	302.1	5.8
0.6	15.0	2.0	0.0	0.0	-118.1	256.3	252.3	5.5
0.5	15.0	2.0	0.0	0.0	-114.2	248.4	244.4	5.5
0.8	15.0	0.0	2.0	0.0	-191.4	384.9	384.8	16.0
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.2	5.0
1.0	15.0	2.0	0.0	0.0	-151.1	313.7	312.2	6.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-148.9	309.3	307.7	6.0
1.0	15.0	0.0	0.0	0.0	-145.9	294.0	293.9	5.7
1.0	15.0	0.0	0.0	0.0	-133.3	268.7	268.6	5.7
1.0	15.0	3.0	0.0	0.0	-172.6	356.7	355.1	17.2
1.0	15.0	1.0	0.0	0.0	-127.0	265.6	264.0	6.3
1.0	15.0	0.0	0.0	0.0	-157.4	316.8	316.7	7.9
1.0	15.0	0.0	2.0	0.0	-127.3	266.1	264.6	4.1
1.0	15.0	0.0	0.0	0.0	-104.1	210.3	210.2	2.5
1.0	15.0	1.0	0.0	0.0	-104.6	220.8	219.3	2.2
1.0	15.0	0.0	0.0	0.0	-167.1	336.3	336.2	9.3
1.0	15.0	0.0	0.0	0.0	-135.0	272.2	272.1	5.5
1.0	15.0	5.0	0.0	0.0	-188.4	388.4	386.8	15.6
0.6	15.0	2.0	0.0	0.0	-156.9	333.8	329.8	7.8
1.0	15.0	0.0	0.0	0.0	-144.7	291.5	291.4	7.1
1.0	15.0	0.0	0.0	0.0	-133.0	268.1	268.0	4.5
0.6	15.0	3.0	0.0	0.0	-140.3	300.7	296.7	6.1
1.0	15.0	2.0	0.0	0.0	-122.1	255.8	254.2	4.8
1.0	15.0	0.0	0.0	0.0	-153.9	309.9	309.8	7.6
1.0	15.0	1.0	3.0	0.0	-132.6	276.7	275.1	4.8
0.9	15.0	5.0	0.0	0.0	-154.6	329.3	325.3	7.2
0.9	15.0	4.0	0.0	0.0	-131.5	283.0	279.0	5.4
1.0	15.0	0.0	0.0	0.0	-180.9	364.0	363.9	12.6
1.0	15.0	0.0	2.0	0.0	-135.5	282.5	281.0	5.8
1.0	15.0	3.0	1.0	0.0	-149.5	319.0	315.0	6.6
1.0	15.0	3.0	0.0	0.0	-146.3	312.6	308.6	5.7
1.0	15.0	0.0	1.0	0.0	-124.6	260.8	259.3	3.5
1.0	15.0	2.0	0.0	0.0	-116.1	243.7	242.2	4.6
1.0	15.0	2.0	0.0	0.0	-162.9	337.4	335.9	14.1
1.0	15.0	0.0	0.0	0.0	-135.6	273.3	273.2	4.8
1.0	15.0	0.0	1.0	0.0	-143.6	289.3	289.2	9.1
1.0	15.0	0.0	2.0	0.0	-122.6	256.8	255.3	3.7
0.5	15.0	1.0	0.0	0.0	-129.6	279.1	275.1	5.5
1.0	15.0	2.0	0.0	0.0	-111.3	234.1	232.6	2.6
1.0	15.0	0.0	1.0	0.0	-158.2	318.5	318.4	9.7
1.0	15.0	0.0	0.0	0.0	-127.1	256.2	256.1	6.4
1.0	15.0	2.0	1.0	0.0	-175.6	362.8	361.2	45.9
0.7	15.0	1.0	1.0	0.0	-138.2	296.4	292.4	20.3
0.9	15.0	0.0	1.0	0.0	-144.0	299.4	297.9	9.0
1.0	15.0	0.0	0.0	0.0	-117.5	237.1	237.0	3.8
1.0	15.0	2.0	0.0	0.0	-153.7	318.9	317.3	9.2
1.0	15.0	2.0	0.0	0.0	-111.2	234.0	232.5	2.8
1.0	15.0	0.0	0.0	0.0	-147.2	296.5	296.4	7.5
0.9	15.0	0.0	3.0	0.0	-138.8	289.1	287.6	5.6
1.0	15.0	2.0	0.0	0.0	-157.3	334.5	330.5	11.1
1.0	15.0	1.0	0.0	0.0	-151.9	323.8	319.8	9.5
1.0	15.0	0.0	0.0	0.0	-150.5	303.2	303.1	10.3



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-139.3	280.8	280.7	6.4
1.0	15.0	2.0	0.0	0.0	-127.1	265.7	264.1	7.5
0.9	15.0	2.0	0.0	0.0	-108.6	237.3	233.3	4.9
1.0	15.0	0.0	2.0	0.0	-140.1	291.6	290.1	5.8
1.0	15.0	0.0	2.0	0.0	-121.2	253.9	252.4	3.4
1.0	15.0	0.0	0.0	0.0	-160.3	322.6	322.6	10.2
1.0	15.0	2.0	0.0	0.0	-124.9	261.2	259.7	7.1
1.0	15.0	0.0	0.0	0.0	-144.0	290.1	290.0	7.2
1.0	15.0	0.0	2.0	0.0	-122.5	256.6	255.0	4.3
1.0	15.0	0.0	0.0	0.0	-88.9	180.0	179.9	1.8
1.0	15.0	2.0	0.0	0.0	-107.9	227.3	225.8	2.5
1.0	15.0	0.0	0.0	0.0	-129.3	260.6	260.5	4.1
1.0	15.0	0.0	1.0	0.0	-116.3	244.2	242.6	3.1
1.0	15.0	3.0	1.0	0.0	-127.9	275.7	271.7	4.0
0.7	15.0	3.0	0.0	0.0	-120.3	260.7	256.7	3.6
1.0	15.0	0.0	0.0	0.0	-142.5	287.1	287.0	5.6
1.0	15.0	0.0	1.0	0.0	-176.7	355.5	355.4	12.2
1.0	15.0	7.0	4.0	0.0	-220.2	460.3	456.3	35.5
1.0	15.0	7.0	3.0	0.0	-194.1	408.2	404.2	20.7
1.0	15.0	0.0	6.0	0.0	-152.5	316.6	315.0	8.5
1.0	15.0	0.0	5.0	0.0	-147.8	307.1	305.5	13.3
1.0	15.0	5.0	0.0	0.0	-145.2	310.5	306.5	9.4
1.0	15.0	6.0	0.0	0.0	-162.7	345.3	341.3	14.2
1.0	15.0	0.0	0.0	0.0	-152.3	306.7	306.6	7.1
1.0	15.0	2.0	4.0	0.0	-165.0	350.0	346.0	13.1
1.0	15.0	6.0	2.0	0.0	-173.9	367.9	363.9	12.0
1.0	15.0	4.0	2.0	0.0	-162.5	345.0	341.0	11.8
1.0	15.0	0.0	5.0	0.0	-161.7	334.9	333.4	9.0
0.9	15.0	0.0	6.0	0.0	-144.3	300.1	298.6	5.7
1.0	15.0	4.0	0.0	0.0	-141.9	303.8	299.8	9.3
1.0	15.0	3.0	0.0	0.0	-147.9	315.8	311.8	9.5
1.0	15.0	0.0	0.0	0.0	-136.2	274.5	274.4	6.4
1.0	15.0	0.0	3.0	0.0	-141.8	295.2	293.6	5.4
1.0	15.0	2.0	0.0	0.0	-146.5	313.1	309.1	8.7
1.0	15.0	3.0	0.0	0.0	-137.3	294.6	290.6	6.7
1.0	15.0	0.0	0.0	0.0	-148.8	299.7	299.6	6.6
0.9	15.0	2.0	2.0	0.0	-175.7	363.0	361.5	16.2
1.0	15.0	8.0	2.0	0.0	-207.3	434.6	430.6	29.8
1.0	15.0	6.0	2.0	0.0	-191.3	402.5	398.5	19.5
1.0	15.0	0.0	6.0	0.0	-176.6	364.8	363.2	13.6
1.0	15.0	0.0	6.0	0.0	-145.9	303.2	301.7	8.2
1.0	15.0	4.0	0.0	0.0	-132.7	285.4	281.4	7.5
1.0	15.0	6.0	0.0	0.0	-149.9	319.7	315.7	7.9
1.0	15.0	0.0	0.0	0.0	-168.8	339.7	339.6	10.4
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.9	5.3
1.0	15.0	3.0	0.0	0.0	-162.9	337.3	335.7	9.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	3.0	0.0	0.0	-142.8	297.2	295.6	5.8
1.0	15.0	0.0	0.0	0.0	-143.9	290.0	289.9	5.8
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	4.9
1.0	15.0	3.0	0.0	0.0	-153.2	317.9	316.3	11.2
1.0	15.0	2.0	0.0	0.0	-132.9	277.3	275.7	8.5
1.0	15.0	0.0	1.0	0.0	-161.3	324.6	324.5	10.7
1.0	15.0	2.0	0.0	0.0	-122.2	255.8	254.3	3.5
1.0	15.0	1.0	0.0	0.0	-104.7	221.0	219.5	1.9
0.8	15.0	1.0	0.0	0.0	-109.1	229.7	228.2	2.4
1.0	15.0	0.0	0.0	0.0	-158.4	319.0	318.9	7.6
0.8	15.0	5.0	1.0	0.0	-118.9	249.3	247.8	3.0
0.5	15.0	1.0	0.0	0.0	-78.2	167.9	166.4	1.5
0.6	15.0	1.0	0.0	0.0	-74.5	160.5	159.0	1.7
1.0	15.0	0.0	4.0	0.0	-164.8	341.1	339.6	9.8
1.0	15.0	0.0	1.0	0.0	-144.3	300.2	298.6	6.5
0.7	15.0	2.0	0.0	0.0	-118.3	256.6	252.6	7.6
1.0	15.0	2.0	0.0	0.0	-111.6	234.8	233.3	10.2
1.0	15.0	0.0	2.0	0.0	-159.0	329.5	328.0	10.7
1.0	15.0	0.0	1.0	0.0	-130.8	273.2	271.6	5.0
1.0	15.0	1.0	0.0	0.0	-149.8	311.2	309.6	8.1
1.0	15.0	1.0	0.0	0.0	-134.9	281.4	279.9	5.9
1.0	15.0	0.0	0.0	0.0	-136.0	274.2	274.1	5.0
1.0	15.0	0.0	4.0	0.0	-113.5	246.9	242.9	3.2
1.0	15.0	5.0	0.0	0.0	-116.9	253.9	249.9	3.5
1.0	15.0	5.0	0.0	0.0	-117.1	254.2	250.2	4.0
1.0	15.0	0.0	0.0	0.0	-179.5	361.1	361.1	12.0
1.0	15.0	0.0	1.0	0.0	-134.2	279.9	278.4	7.7
0.9	15.0	1.0	1.0	0.0	-163.2	346.4	342.4	15.9
0.9	15.0	2.0	0.0	0.0	-144.4	300.3	298.7	12.2
1.0	15.0	0.0	1.0	0.0	-155.1	312.3	312.2	14.8
1.0	15.0	0.0	1.0	0.0	-282.9	576.4	575.7	8.8
1.0	15.0	4.0	1.0	0.0	-397.4	812.6	810.8	31.0
1.0	15.0	3.0	0.0	0.0	-325.2	668.1	666.3	16.0
1.0	15.0	0.0	1.0	0.0	-325.6	662.0	661.2	13.7
1.0	15.0	0.0	2.0	0.0	-265.4	541.6	540.9	5.9
1.0	15.0	2.0	0.0	0.0	-256.2	530.2	528.4	6.2
1.0	15.0	3.0	0.0	0.0	-271.1	553.0	552.3	10.8
1.0	15.0	0.0	1.0	0.0	-329.8	670.2	669.5	10.1
1.0	15.0	0.0	0.0	0.0	-142.9	287.9	287.8	5.7
0.9	15.0	4.0	0.0	0.0	-170.8	361.7	357.7	20.4
0.6	15.0	4.0	0.0	0.0	-143.9	307.8	303.8	11.2
1.0	15.0	0.0	0.0	0.0	-165.0	332.1	332.0	9.1
1.0	15.0	0.0	0.0	0.0	-131.9	265.9	265.8	4.6
1.0	15.0	1.0	0.0	0.0	-112.9	245.8	241.8	3.8
1.0	15.0	2.0	0.0	0.0	-115.7	251.4	247.4	3.3
1.0	15.0	0.0	0.0	0.0	-154.6	311.4	311.3	7.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-123.2	258.0	256.4	3.8
0.6	15.0	3.0	0.0	0.0	-161.6	343.3	339.3	13.5
1.0	15.0	4.0	0.0	0.0	-152.6	316.8	315.2	11.1
1.0	15.0	0.0	0.0	0.0	-136.6	275.2	275.1	7.6
1.0	15.0	0.0	0.0	0.0	-128.0	258.2	258.1	4.0
0.7	15.0	2.0	0.0	0.0	-124.5	269.0	265.0	9.5
1.0	15.0	2.0	0.0	0.0	-118.9	257.8	253.8	5.2
1.0	15.0	0.0	0.0	0.0	-151.3	304.8	304.7	7.2
1.0	15.0	0.0	0.0	0.0	-138.0	278.0	277.9	5.9
1.0	15.0	4.0	0.0	0.0	-172.8	357.1	355.5	28.8
1.0	15.0	5.0	0.0	0.0	-158.4	328.4	326.8	17.8
1.0	15.0	0.0	0.0	0.0	-142.5	287.0	286.9	10.1
1.0	15.0	0.0	2.0	0.0	-113.9	239.3	237.8	3.6
1.0	15.0	1.0	0.0	0.0	-128.1	267.8	266.2	4.4
1.0	15.0	2.0	0.0	0.0	-118.8	249.2	247.7	4.1
1.0	15.0	0.0	0.0	0.0	-114.1	230.3	230.3	3.1
1.0	15.0	0.0	6.0	0.0	-126.5	264.5	262.9	4.1
0.9	15.0	7.0	0.0	0.0	-185.2	390.4	386.4	17.6
0.8	15.0	7.0	0.0	0.0	-150.8	321.7	317.7	8.0
1.0	15.0	0.0	0.0	0.0	-145.5	293.0	293.0	6.7
1.0	15.0	0.0	2.0	0.0	-118.9	249.4	247.8	3.6
1.0	15.0	2.0	0.0	0.0	-142.8	297.2	295.6	6.0
1.0	15.0	2.0	0.0	0.0	-139.4	290.3	288.8	5.1
1.0	15.0	0.0	0.0	0.0	-132.4	266.9	266.8	4.6
1.0	15.0	0.0	4.0	0.0	-125.4	262.3	260.8	4.1
1.0	15.0	6.0	0.0	0.0	-168.8	357.7	353.7	10.9
1.0	15.0	6.0	0.0	0.0	-149.4	318.8	314.8	7.6
1.0	15.0	0.0	0.0	0.0	-163.0	328.1	328.0	9.0
1.0	15.0	0.0	2.0	0.0	-113.6	238.7	237.1	3.1
0.9	15.0	1.0	0.0	0.0	-140.6	301.2	297.2	5.3
1.0	15.0	2.0	0.0	0.0	-131.0	273.6	272.0	4.3
1.0	15.0	0.0	1.0	0.0	-151.8	305.7	305.6	10.5
1.0	15.0	0.0	1.0	0.0	-143.0	297.6	296.0	5.5
1.0	15.0	5.0	1.0	0.0	-189.6	399.3	395.3	24.0
1.0	15.0	5.0	0.0	0.0	-164.4	348.8	344.8	9.7
1.0	15.0	0.0	1.0	0.0	-151.1	313.8	312.3	6.6
0.9	15.0	0.0	1.0	0.0	-130.8	273.1	271.6	7.3
1.0	15.0	0.0	1.0	0.0	-109.3	220.8	220.7	5.2
0.9	15.0	1.0	0.0	0.0	-106.6	224.7	223.2	4.7
1.0	15.0	0.0	1.0	0.0	-166.2	343.9	342.4	10.1
1.0	15.0	0.0	1.0	0.0	-113.0	237.5	235.9	5.4
1.0	15.0	0.0	0.0	0.0	-73.2	148.5	148.4	4.9
1.0	15.0	1.0	0.0	0.0	-85.2	181.9	180.4	10.5
1.0	15.0	0.0	1.0	0.0	-125.5	262.5	260.9	7.1
1.0	15.0	0.0	1.0	0.0	-118.6	248.8	247.2	3.5
0.9	15.0	0.0	2.0	0.0	-108.5	228.5	227.0	2.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	1.0	0.0	0.0	-106.1	223.7	222.1	2.6
1.0	15.0	0.0	0.0	0.0	-166.1	334.3	334.2	10.8
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	6.5
1.0	15.0	4.0	0.0	0.0	-189.0	398.0	393.9	25.3
1.0	15.0	3.0	0.0	0.0	-139.4	298.8	294.7	10.2
1.0	15.0	0.0	0.0	0.0	-177.9	357.9	357.8	13.0
1.0	15.0	0.0	0.0	0.0	-124.8	251.7	251.6	4.2
0.7	15.0	3.0	0.0	0.0	-160.0	340.1	336.1	19.9
0.7	15.0	2.0	0.0	0.0	-142.5	305.1	301.1	11.8
1.0	15.0	0.0	1.0	0.0	-162.7	327.4	327.3	9.1
1.0	15.0	0.0	1.0	0.0	-119.1	249.7	248.2	3.6
1.0	15.0	2.0	0.0	0.0	-105.8	223.2	221.6	2.7
1.0	15.0	2.0	0.0	0.0	-115.5	242.5	240.9	5.9
1.0	15.0	0.0	1.0	0.0	-167.8	337.7	337.6	13.2
1.0	15.0	2.0	0.0	0.0	-143.9	299.3	297.8	16.8
1.0	15.0	3.0	2.0	0.0	-177.4	374.8	370.8	19.1
1.0	15.0	2.0	2.0	0.0	-153.1	326.2	322.2	14.6
1.0	15.0	0.0	3.0	0.0	-155.6	322.8	321.3	7.1
1.0	15.0	0.0	2.0	0.0	-121.4	254.4	252.9	4.9
1.0	15.0	0.0	0.0	0.0	-55.3	112.8	112.7	0.6
1.0	15.0	2.0	0.0	0.0	-72.1	155.7	154.1	1.1
1.0	15.0	0.0	2.0	0.0	-157.1	325.8	324.2	11.6
1.0	15.0	0.0	2.0	0.0	-128.4	268.3	266.7	4.8
0.6	15.0	3.0	0.0	0.0	-144.0	308.0	304.0	13.5
1.0	15.0	3.0	0.0	0.0	-137.3	294.6	290.6	17.1
1.0	15.0	0.0	3.0	0.0	-165.6	342.8	341.2	10.5
1.0	15.0	0.0	1.0	0.0	-122.5	256.5	255.0	4.3
1.0	15.0	0.0	1.0	0.0	-154.0	319.6	318.0	7.5
1.0	15.0	2.0	0.0	0.0	-144.1	299.7	298.2	7.6
1.0	15.0	0.0	1.0	0.0	-150.8	313.2	311.7	6.4
1.0	15.0	0.0	1.0	0.0	-130.9	273.4	271.9	4.8
1.0	15.0	3.0	1.0	0.0	-176.8	373.6	369.6	16.1
1.0	15.0	0.0	0.0	0.0	-154.5	311.1	311.0	7.6
1.0	15.0	0.0	1.0	0.0	-136.0	283.5	281.9	5.8
1.0	15.0	0.0	1.0	0.0	-113.4	238.4	236.9	2.8
1.0	15.0	0.0	0.0	0.0	-65.9	133.9	133.8	1.0
1.0	15.0	1.0	0.0	0.0	-82.5	176.5	174.9	6.4
1.0	15.0	0.0	3.0	0.0	-127.6	266.7	265.2	6.0
1.0	15.0	0.0	1.0	0.0	-131.2	273.9	272.3	6.0
0.7	15.0	1.0	0.0	0.0	-84.2	179.8	178.3	3.5
1.0	15.0	1.0	0.0	0.0	-100.0	202.2	202.1	15.3
1.0	15.0	0.0	1.0	0.0	-160.1	322.3	322.2	10.8
1.0	15.0	0.0	1.0	0.0	-128.3	268.1	266.5	4.6
1.0	15.0	0.0	0.0	0.0	-65.3	132.7	132.6	1.7
1.0	15.0	1.0	0.0	0.0	-66.0	143.6	142.0	0.7
1.0	15.0	0.0	1.0	0.0	-157.5	326.5	325.0	9.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	1.0	0.0	-132.8	277.1	275.6	4.6
1.0	15.0	2.0	1.0	0.0	-111.3	242.6	238.6	2.6
1.0	15.0	1.0	0.0	0.0	-102.9	217.3	215.8	1.7
1.0	15.0	0.0	1.0	0.0	-167.2	346.0	344.5	10.3
1.0	15.0	0.0	2.0	0.0	-106.3	224.3	222.7	3.0
1.0	15.0	2.0	0.0	0.0	-156.3	324.2	322.6	12.1
1.0	15.0	2.0	0.0	0.0	-125.3	262.2	260.6	5.3
1.0	15.0	0.0	0.0	0.0	-121.5	245.0	244.9	3.6
1.0	15.0	0.0	1.0	0.0	-118.1	247.7	246.2	3.6
1.0	15.0	2.0	0.0	0.0	-154.6	320.7	319.1	8.5
1.0	15.0	2.0	0.0	0.0	-130.6	272.8	271.2	4.9
1.0	15.0	0.0	0.0	0.0	-146.7	295.5	295.4	7.0
1.0	15.0	0.0	0.0	0.0	-124.6	251.2	251.1	4.1
1.0	15.0	2.0	0.0	0.0	-173.9	359.4	357.9	12.4
1.0	15.0	2.0	0.0	0.0	-123.1	257.7	256.2	4.1
1.0	15.0	0.0	0.0	0.0	-146.6	295.3	295.2	7.6
1.0	15.0	0.0	3.0	0.0	-116.8	245.0	243.5	3.6
0.9	15.0	3.0	0.0	0.0	-148.8	317.6	313.6	9.4
1.0	15.0	4.0	0.0	0.0	-119.1	249.8	248.2	4.2
1.0	15.0	0.0	0.0	0.0	-159.5	321.1	321.0	9.0
1.0	15.0	0.0	0.0	0.0	-103.9	209.8	209.7	3.2
1.0	15.0	3.0	0.0	0.0	-139.5	290.5	289.0	6.3
1.0	15.0	2.0	0.0	0.0	-127.8	267.1	265.6	4.8
1.0	15.0	0.0	0.0	0.0	-143.5	289.0	288.9	6.0
1.0	15.0	0.0	2.0	0.0	-125.2	262.0	260.5	3.8
1.0	15.0	2.0	0.0	0.0	-176.4	364.3	362.8	14.1
1.0	15.0	1.0	0.0	0.0	-139.5	290.6	289.0	6.0
1.0	15.0	0.0	0.0	0.0	-145.2	292.6	292.5	6.6
1.0	15.0	0.0	4.0	0.0	-121.2	254.0	252.5	3.5
1.0	15.0	6.0	0.0	0.0	-151.7	323.5	319.5	13.4
1.0	15.0	6.0	0.0	0.0	-141.2	302.4	298.4	10.2
1.0	15.0	0.0	1.0	0.0	-174.1	350.4	350.3	11.9
1.0	15.0	0.0	2.0	0.0	-124.0	259.5	257.9	5.1
1.0	15.0	2.0	1.0	0.0	-139.3	298.6	294.6	5.7
1.0	15.0	3.0	0.0	0.0	-143.6	298.8	297.2	8.3
1.0	15.0	0.0	2.0	0.0	-132.0	275.6	274.1	5.3
1.0	15.0	0.0	1.0	0.0	-128.3	268.1	266.5	4.0
1.0	15.0	0.0	1.0	0.0	-120.3	242.8	242.7	5.7
1.0	15.0	1.0	0.0	0.0	-111.3	234.1	232.5	8.6
1.0	15.0	0.0	1.0	0.0	-154.0	319.5	318.0	6.9
1.0	15.0	0.0	1.0	0.0	-145.5	302.6	301.1	6.9
1.0	15.0	0.0	0.0	0.0	-73.3	148.7	148.6	1.2
1.0	15.0	1.0	0.0	0.0	-100.6	212.7	211.2	6.3
1.0	15.0	0.0	2.0	0.0	-183.8	379.1	377.6	14.3
1.0	15.0	0.0	2.0	0.0	-145.5	302.5	301.0	7.6
1.0	15.0	0.0	0.0	0.0	-71.3	144.6	144.5	1.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-71.9	155.2	153.7	1.4
1.0	15.0	0.0	1.0	0.0	-151.2	314.0	312.4	9.8
0.9	15.0	0.0	3.0	0.0	-253.2	517.1	516.4	6.1
1.0	15.0	2.0	2.0	0.0	-320.5	658.9	657.1	14.2
1.0	15.0	3.0	0.0	0.0	-322.3	655.3	654.6	18.6
1.0	15.0	0.0	2.0	0.0	-304.2	619.1	618.4	9.0
1.0	15.0	0.0	1.0	0.0	-276.8	564.3	563.6	5.7
1.0	15.0	0.0	2.0	0.0	-244.7	500.0	499.3	16.5
1.0	15.0	1.0	0.0	0.0	-260.4	531.4	530.7	16.7
1.0	15.0	0.0	2.0	0.0	-333.4	677.5	676.7	10.3
1.0	15.0	0.0	2.0	0.0	-251.5	513.8	513.1	14.4
1.0	15.0	0.0	0.0	0.0	-130.7	263.4	263.4	1.0
1.0	15.0	2.0	0.0	0.0	-217.1	445.0	444.3	18.3
1.0	15.0	0.0	2.0	0.0	-322.5	655.7	655.0	17.0
1.0	15.0	0.0	2.0	0.0	-308.9	628.6	627.8	9.1
1.0	15.0	0.0	0.0	0.0	-145.3	292.6	292.6	1.5
1.0	15.0	2.0	0.0	0.0	-161.1	332.8	332.1	2.8
1.0	15.0	0.0	2.0	0.0	-323.7	658.1	657.4	15.2
1.0	15.0	0.0	2.0	0.0	-283.1	577.0	576.3	6.8
1.0	15.0	0.0	1.0	0.0	-223.5	457.7	457.0	2.7
1.0	15.0	1.0	0.0	0.0	-247.8	506.2	505.5	12.6
1.0	15.0	0.0	1.0	0.0	-337.7	686.1	685.4	9.9
1.0	15.0	0.0	2.0	0.0	-130.1	271.6	270.1	5.5
0.9	15.0	4.0	0.0	0.0	-130.9	273.4	271.9	4.1
0.9	15.0	3.0	0.0	0.0	-124.7	260.9	259.4	4.6
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	7.1
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	7.1
1.0	15.0	2.0	0.0	0.0	-151.3	322.5	318.5	12.0
1.0	15.0	2.0	1.0	0.0	-121.6	263.1	259.1	4.3
1.0	15.0	0.0	1.0	0.0	-155.9	323.4	321.9	8.4
1.0	15.0	5.0	0.0	0.0	-136.2	283.9	282.4	5.1
1.0	15.0	1.0	0.0	0.0	-113.0	246.0	242.0	3.3
0.7	15.0	1.0	0.0	0.0	-104.9	229.7	225.7	2.0
1.0	15.0	0.0	0.0	0.0	-156.6	315.3	315.2	7.9
1.0	15.0	3.0	4.0	0.0	-125.5	271.0	267.0	4.1
1.0	15.0	1.0	0.0	0.0	-99.7	201.6	201.5	6.5
1.0	15.0	2.0	0.0	0.0	-117.1	245.8	244.3	6.2
1.0	15.0	0.0	0.0	0.0	-147.2	296.5	296.4	6.6
1.0	15.0	0.0	0.0	0.0	-138.4	278.8	278.7	5.0
0.5	15.0	2.0	0.0	0.0	-133.2	277.9	276.4	14.6
1.0	15.0	2.0	0.0	0.0	-129.7	270.9	269.4	9.0
1.0	15.0	0.0	0.0	0.0	-137.1	276.4	276.3	5.4
1.0	15.0	0.0	0.0	0.0	-105.6	213.3	213.2	3.0
1.0	15.0	2.0	0.0	0.0	-159.1	329.7	328.2	8.4
1.0	15.0	2.0	0.0	0.0	-111.5	234.5	233.0	3.1
1.0	15.0	0.0	0.0	0.0	-153.6	309.4	309.3	8.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-134.3	270.7	270.6	4.7
0.8	15.0	5.0	0.0	0.0	-167.0	354.0	350.0	13.3
0.8	15.0	4.0	0.0	0.0	-140.1	300.2	296.2	7.8
1.0	15.0	0.0	0.0	0.0	-163.4	328.9	328.8	9.3
1.0	15.0	0.0	1.0	0.0	-127.9	267.4	265.8	5.6
0.8	15.0	1.0	0.0	0.0	-145.0	301.6	300.0	6.4
1.0	15.0	2.0	0.0	0.0	-131.7	274.9	273.4	5.7
1.0	15.0	0.0	1.0	0.0	-133.6	278.8	277.3	6.2
1.0	15.0	0.0	0.0	0.0	-113.1	228.2	228.1	4.8
1.0	15.0	2.0	0.0	0.0	-156.8	325.1	323.6	8.4
1.0	15.0	1.0	0.0	0.0	-119.1	249.6	248.1	4.2
1.0	15.0	0.0	0.0	0.0	-148.6	299.2	299.1	6.7
1.0	15.0	0.0	0.0	0.0	-110.3	222.6	222.5	3.1
1.0	15.0	1.0	0.0	0.0	-163.2	337.9	336.3	11.5
1.0	15.0	1.0	0.0	0.0	-118.2	247.9	246.3	3.8
1.0	15.0	0.0	0.0	0.0	-138.5	279.1	279.0	5.6
1.0	15.0	0.0	4.0	0.0	-125.7	262.9	261.3	4.3
0.9	15.0	0.0	3.0	0.0	-149.8	311.1	309.5	7.5
1.0	15.0	3.0	0.0	0.0	-153.9	319.4	317.9	13.5
1.0	15.0	0.0	4.0	0.0	-138.2	288.0	286.5	5.7
1.0	15.0	0.0	3.0	0.0	-142.0	295.5	294.0	9.6
0.6	15.0	1.0	3.0	0.0	-178.3	376.7	372.7	23.6
1.0	15.0	2.0	0.0	0.0	-149.5	310.6	309.0	12.9
1.0	15.0	0.0	3.0	0.0	-143.0	297.5	296.0	9.6
1.0	15.0	0.0	2.0	0.0	-139.7	291.0	289.5	7.6
1.0	15.0	0.0	2.0	0.0	-108.2	228.0	226.4	2.4
0.9	15.0	1.0	0.0	0.0	-133.4	278.3	276.8	17.9
1.0	15.0	0.0	2.0	0.0	-157.0	325.5	324.0	8.9
1.0	15.0	0.0	3.0	0.0	-104.6	220.8	219.3	4.0
1.0	15.0	0.0	0.0	0.0	-80.5	163.0	162.9	1.8
1.0	15.0	3.0	0.0	0.0	-110.6	232.8	231.3	8.8
1.0	15.0	0.0	3.0	0.0	-134.1	279.8	278.3	4.6
1.0	15.0	0.0	3.0	0.0	-144.6	300.8	299.2	7.4
1.0	15.0	3.0	0.0	0.0	-126.6	264.7	263.2	41.0
1.0	15.0	3.0	0.0	0.0	-159.6	330.8	329.3	33.6
1.0	15.0	0.0	3.0	0.0	-176.9	365.4	363.8	15.1
1.0	15.0	0.0	3.0	0.0	-111.2	233.9	232.3	3.0
1.0	15.0	0.0	0.0	0.0	-75.4	152.9	152.8	1.6
1.0	15.0	2.0	0.0	0.0	-70.0	151.7	150.1	1.2
1.0	15.0	0.0	3.0	0.0	-143.7	299.1	297.5	7.1
1.0	15.0	0.0	3.0	0.0	-128.5	268.5	266.9	4.6
0.5	15.0	0.0	3.0	0.0	-118.4	256.9	252.9	3.0
1.0	15.0	3.0	0.0	0.0	-144.5	300.6	299.1	28.2
1.0	15.0	0.0	3.0	0.0	-155.3	322.1	320.6	7.7
1.0	15.0	0.0	0.0	0.0	-132.3	266.7	266.6	5.5
1.0	15.0	3.0	0.0	0.0	-136.7	284.9	283.4	5.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-119.5	250.6	249.1	3.5
1.0	15.0	0.0	0.0	0.0	-134.8	271.6	271.5	4.5
1.0	15.0	0.0	2.0	0.0	-123.0	257.6	256.0	4.2
1.0	15.0	0.0	0.0	0.0	-129.4	260.8	260.7	5.0
0.9	15.0	2.0	0.0	0.0	-102.7	216.9	215.3	1.8
1.0	15.0	0.0	0.0	0.0	-153.6	309.2	309.1	7.3
1.0	15.0	0.0	2.0	0.0	-118.2	247.9	246.4	3.1
1.0	15.0	4.0	0.0	0.0	-151.2	313.9	312.3	8.0
1.0	15.0	2.0	0.0	0.0	-116.8	245.2	243.7	4.0
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	6.7
1.0	15.0	0.0	0.0	0.0	-115.8	233.7	233.6	5.2
1.0	15.0	2.0	0.0	0.0	-140.8	293.1	291.6	6.1
1.0	15.0	2.0	0.0	0.0	-128.1	267.7	266.1	4.8
1.0	15.0	0.0	0.0	0.0	-127.8	257.7	257.6	5.4
0.9	15.0	0.0	2.0	0.0	-126.6	264.8	263.2	4.6
0.7	15.0	2.0	0.0	0.0	-148.7	317.8	313.4	13.0
0.9	15.0	2.0	0.0	0.0	-156.6	324.8	323.3	14.2
1.0	15.0	0.0	0.0	0.0	-164.8	331.7	331.7	10.0
1.0	15.0	0.0	0.0	0.0	-145.3	292.7	292.6	6.9
1.0	15.0	1.0	0.0	0.0	-114.6	240.8	239.3	2.8
1.0	15.0	1.0	0.0	0.0	-108.7	228.9	227.3	2.5
1.0	15.0	0.0	0.0	0.0	-172.0	346.1	346.0	10.2
1.0	15.0	0.0	0.0	0.0	-114.3	230.6	230.5	2.9
1.0	15.0	1.0	0.0	0.0	-77.7	166.9	165.4	1.1
1.0	15.0	1.0	0.0	0.0	-70.9	153.3	151.8	0.9
1.0	15.0	0.0	0.0	0.0	-127.6	257.2	257.1	4.5
1.0	15.0	0.0	0.0	0.0	-117.2	236.5	236.4	3.2
1.0	15.0	1.0	0.0	0.0	-103.0	217.5	216.0	2.1
1.0	15.0	1.0	0.0	0.0	-80.0	171.5	170.0	1.3
1.0	15.0	0.0	0.0	0.0	-141.5	285.1	285.0	6.0
1.0	15.0	0.0	0.0	0.0	-132.9	267.9	267.8	4.3
1.0	15.0	2.0	0.0	0.0	-169.1	349.7	348.2	13.4
1.0	15.0	1.0	0.0	0.0	-168.1	347.8	346.3	12.1
1.0	15.0	0.0	0.0	0.0	-161.0	324.1	324.0	9.5
1.0	15.0	0.0	2.0	0.0	-140.4	292.4	290.8	5.8
1.0	15.0	2.0	0.0	0.0	-122.4	256.3	254.7	4.1
1.0	15.0	2.0	0.0	0.0	-110.4	232.3	230.8	4.5
1.0	15.0	0.0	0.0	0.0	-141.5	285.0	284.9	5.2
1.0	15.0	0.0	0.0	0.0	-149.6	301.4	301.3	6.1
0.9	15.0	3.0	1.0	0.0	-173.5	358.6	357.1	13.0
1.0	15.0	2.0	0.0	0.0	-120.1	251.7	250.1	4.0
1.0	15.0	0.0	0.0	0.0	-139.8	281.7	281.6	6.6
1.0	15.0	0.0	1.0	0.0	-113.9	239.2	237.7	2.9
1.0	15.0	1.0	0.0	0.0	-137.0	285.5	284.0	5.4
1.0	15.0	1.0	0.0	0.0	-133.6	278.8	277.2	5.1
1.0	15.0	0.0	0.0	0.0	-132.1	266.3	266.2	4.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-132.0	275.5	273.9	4.6
1.0	15.0	2.0	1.0	0.0	-156.4	332.8	328.8	9.9
1.0	15.0	0.0	1.0	0.0	-127.3	256.8	256.7	8.4
1.0	15.0	0.0	1.0	0.0	-165.8	343.2	341.7	10.3
1.0	15.0	0.0	0.0	0.0	-124.2	250.5	250.4	3.8
1.0	15.0	2.0	0.0	0.0	-121.0	253.5	251.9	6.3
1.0	15.0	1.0	0.0	0.0	-117.7	247.0	245.5	4.1
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.9	8.5
1.0	15.0	0.0	0.0	0.0	-116.6	235.3	235.2	3.1
1.0	15.0	2.0	0.0	0.0	-77.1	165.8	164.3	1.1
1.0	15.0	3.0	0.0	0.0	-69.6	150.8	149.3	0.7
1.0	15.0	0.0	0.0	0.0	-135.3	272.7	272.6	6.2
1.0	15.0	0.0	0.0	0.0	-114.5	231.2	231.1	3.7
1.0	15.0	1.0	0.0	0.0	-105.5	222.5	221.0	3.3
1.0	15.0	1.0	0.0	0.0	-98.9	209.3	207.8	2.0
1.0	15.0	0.0	0.0	0.0	-177.4	357.0	356.9	16.7
1.0	15.0	0.0	0.0	0.0	-124.3	250.7	250.6	4.1
1.0	15.0	3.0	0.0	0.0	-130.1	271.7	270.2	11.6
1.0	15.0	4.0	0.0	0.0	-127.8	267.1	265.6	12.0
1.0	15.0	0.0	0.0	0.0	-152.0	306.1	306.0	7.8
1.0	15.0	0.0	5.0	0.0	-147.7	307.0	305.4	7.4
1.0	15.0	6.0	0.0	0.0	-179.1	378.2	374.2	19.0
1.0	15.0	11.0	0.0	0.0	-182.1	384.3	380.3	17.5
1.0	15.0	0.0	1.0	0.0	-172.8	347.8	347.7	22.4
1.0	15.0	0.0	3.0	0.0	-147.4	306.2	304.7	7.3
1.0	15.0	3.0	0.0	0.0	-171.4	354.3	352.7	16.6
1.0	15.0	3.0	0.0	0.0	-120.4	252.2	250.7	3.7
1.0	15.0	0.0	1.0	0.0	-183.8	369.8	369.7	13.7
1.0	15.0	0.0	3.0	0.0	-142.2	296.0	294.5	5.4
0.9	15.0	2.0	0.0	0.0	-133.8	287.6	283.6	10.1
1.0	15.0	4.0	0.0	0.0	-132.3	276.0	274.5	6.6
1.0	15.0	0.0	3.0	0.0	-180.7	372.9	371.4	13.5
1.0	15.0	1.0	2.0	0.0	-150.4	320.7	316.7	7.0
0.6	15.0	9.0	0.0	0.0	-224.5	469.0	465.0	48.2
0.5	15.0	8.0	0.0	0.0	-206.1	432.3	428.3	28.1
1.0	15.0	0.0	5.0	0.0	-183.2	378.0	376.4	15.5
0.8	15.0	0.0	5.0	0.0	-162.9	337.4	335.9	9.2
1.0	15.0	8.0	0.0	0.0	-180.3	372.1	370.5	22.7
0.8	15.0	8.0	0.0	0.0	-166.7	353.5	349.5	19.7
1.0	15.0	0.0	0.0	0.0	-135.0	272.1	272.0	5.5
1.0	15.0	0.0	7.0	0.0	-145.1	301.8	300.3	6.0
1.0	15.0	8.0	0.0	0.0	-173.0	366.0	362.0	14.4
1.0	15.0	9.0	0.0	0.0	-142.9	305.8	301.8	6.6
1.0	15.0	0.0	7.0	0.0	-154.0	319.6	318.1	6.8
1.0	15.0	0.0	2.0	0.0	-123.5	258.6	257.1	3.7
1.0	15.0	3.0	0.0	0.0	-161.2	333.9	332.4	9.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-127.9	267.2	265.7	4.1
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	6.4
1.0	15.0	0.0	0.0	0.0	-121.6	245.3	245.2	4.1
1.0	15.0	2.0	0.0	0.0	-137.0	285.5	284.0	5.0
1.0	15.0	2.0	0.0	0.0	-131.2	274.0	272.5	5.2
1.0	15.0	0.0	0.0	0.0	-135.1	272.3	272.2	5.0
1.0	15.0	3.0	0.0	0.0	-122.6	256.7	255.1	4.0
1.0	15.0	4.0	0.0	0.0	-169.1	349.8	348.2	24.6
1.0	15.0	2.0	0.0	0.0	-126.3	264.3	262.7	4.7
1.0	15.0	0.0	0.0	0.0	-152.5	307.1	307.0	7.5
1.0	15.0	1.0	0.0	0.0	-134.4	280.4	278.9	5.3
1.0	15.0	5.0	0.0	0.0	-168.2	347.9	346.4	51.6
1.0	15.0	4.0	0.0	0.0	-151.0	313.5	312.0	24.6
1.0	15.0	0.0	0.0	0.0	-163.1	328.2	328.1	9.6
1.0	15.0	4.0	0.0	0.0	-119.4	250.3	248.8	3.1
1.0	15.0	3.0	0.0	0.0	-100.6	212.7	211.2	7.4
1.0	15.0	2.0	0.0	0.0	-85.3	182.0	180.5	2.8
1.0	15.0	0.0	1.0	0.0	-142.7	287.5	287.4	6.7
1.0	15.0	1.0	0.0	0.0	-117.5	246.5	244.9	3.8
1.0	15.0	5.0	0.0	0.0	-139.5	290.5	289.0	21.4
1.0	15.0	3.0	0.0	0.0	-126.0	263.6	262.1	11.3
1.0	15.0	0.0	0.0	0.0	-163.4	329.0	328.9	10.7
1.0	15.0	1.0	0.0	0.0	-134.3	280.1	278.6	5.2
1.0	15.0	3.0	0.0	0.0	-123.1	257.7	256.1	10.4
1.0	15.0	1.0	0.0	0.0	-90.5	192.6	191.1	3.2
1.0	15.0	0.0	0.0	0.0	-184.2	370.6	370.5	14.9
1.0	15.0	2.0	0.0	0.0	-123.2	257.9	256.3	3.7
1.0	15.0	5.0	0.0	0.0	-131.2	274.0	272.5	28.1
1.0	15.0	4.0	0.0	0.0	-125.2	261.9	260.4	13.7
1.0	15.0	0.0	0.0	0.0	-156.0	314.0	313.9	7.8
1.0	15.0	0.0	2.0	0.0	-116.9	245.3	243.8	3.9
1.0	15.0	1.0	0.0	0.0	-138.9	289.4	287.8	5.4
1.0	15.0	3.0	0.0	0.0	-130.4	272.3	270.7	6.1
1.0	15.0	0.0	0.0	0.0	-185.2	372.5	372.4	13.0
1.0	15.0	0.0	3.0	0.0	-115.7	242.9	241.4	3.0
1.0	15.0	5.0	0.0	0.0	-130.9	273.4	271.8	5.5
1.0	15.0	5.0	0.0	0.0	-120.5	252.5	251.0	4.1
1.0	15.0	0.0	0.0	0.0	-172.5	347.1	347.0	10.1
1.0	15.0	0.0	3.0	0.0	-114.8	241.0	239.5	2.9
1.0	15.0	5.0	0.0	0.0	-154.2	320.0	318.4	7.9
1.0	15.0	4.0	0.0	0.0	-144.3	300.1	298.5	6.8
1.0	15.0	0.0	0.0	0.0	-133.1	268.3	268.2	4.6
1.0	15.0	0.0	6.0	0.0	-128.1	267.7	266.2	4.3
1.0	15.0	6.0	0.0	0.0	-122.3	256.1	254.6	3.8
1.0	15.0	6.0	0.0	0.0	-117.4	246.4	244.8	3.2
1.0	15.0	0.0	0.0	0.0	-162.5	327.2	327.1	9.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-131.5	265.2	265.1	6.1
0.7	15.0	3.0	0.0	0.0	-148.6	317.2	313.2	9.9
1.0	15.0	2.0	0.0	0.0	-117.3	246.1	244.6	4.4
1.0	15.0	0.0	1.0	0.0	-154.0	310.2	310.1	11.0
1.0	15.0	0.0	2.0	0.0	-136.6	284.8	283.3	4.8
1.0	15.0	3.0	0.0	0.0	-132.7	285.3	281.3	7.5
1.0	15.0	3.0	0.0	0.0	-127.4	274.8	270.8	5.9
1.0	15.0	0.0	6.0	0.0	-169.2	350.0	348.4	10.2
1.0	15.0	0.0	7.0	0.0	-121.5	263.1	259.1	5.3
1.0	15.0	1.0	0.0	0.0	-131.3	274.1	272.5	10.0
1.0	15.0	4.0	0.0	0.0	-118.1	247.8	246.2	7.8
1.0	15.0	0.0	6.0	0.0	-170.1	351.8	350.2	11.8
0.8	15.0	0.0	2.0	0.0	-137.3	286.0	284.5	5.0
0.9	15.0	2.0	0.0	0.0	-113.9	247.9	243.9	4.8
1.0	15.0	3.0	0.0	0.0	-113.1	246.1	242.1	4.8
1.0	15.0	0.0	4.0	0.0	-185.8	383.1	381.6	13.8
0.6	15.0	0.0	4.0	0.0	-140.0	300.0	296.0	5.2
1.0	15.0	2.0	0.0	0.0	-123.2	257.9	256.3	5.5
1.0	15.0	4.0	0.0	0.0	-131.6	274.8	273.3	6.3
1.0	15.0	0.0	5.0	0.0	-149.3	310.2	308.7	6.4
1.0	15.0	0.0	5.0	0.0	-141.6	294.7	293.1	5.7
1.0	15.0	0.0	0.0	0.0	-64.2	130.6	130.5	1.1
1.0	15.0	5.0	0.0	0.0	-90.2	192.0	190.4	2.3
1.0	15.0	0.0	5.0	0.0	-170.8	353.2	351.6	12.6
1.0	15.0	0.0	3.0	0.0	-126.8	265.1	263.6	4.1
0.6	15.0	5.0	0.0	0.0	-135.7	291.4	287.4	7.6
0.7	15.0	5.0	0.0	0.0	-131.2	282.4	278.4	6.9
1.0	15.0	0.0	4.0	0.0	-164.1	339.8	338.3	9.2
1.0	15.0	0.0	7.0	0.0	-136.0	291.9	287.9	6.0
0.8	15.0	5.0	0.0	0.0	-122.4	264.7	260.7	4.0
1.0	15.0	6.0	0.0	0.0	-121.8	263.7	259.7	4.3
1.0	15.0	0.0	6.0	0.0	-146.3	304.1	302.6	6.4
1.0	15.0	0.0	2.0	0.0	-122.5	256.6	255.0	4.5
1.0	15.0	2.0	0.0	0.0	-159.8	331.2	329.6	9.9
1.0	15.0	2.0	0.0	0.0	-126.4	264.3	262.8	5.3
1.0	15.0	0.0	0.0	0.0	-160.1	322.3	322.2	9.0
1.0	15.0	0.0	1.0	0.0	-116.0	243.5	242.0	3.7
1.0	15.0	2.0	0.0	0.0	-138.8	289.1	287.5	6.0
1.0	15.0	2.0	0.0	0.0	-125.7	263.0	261.5	4.3
1.0	15.0	0.0	0.0	0.0	-139.4	280.9	280.8	6.5
1.0	15.0	0.0	1.0	0.0	-111.3	234.1	232.5	2.8
1.0	15.0	1.0	0.0	0.0	-131.9	275.4	273.9	4.8
1.0	15.0	1.0	0.0	0.0	-118.5	248.6	247.0	3.6
1.0	15.0	0.0	1.0	0.0	-135.8	273.6	273.5	9.7
1.0	15.0	0.0	2.0	0.0	-119.6	250.8	249.3	4.9
1.0	15.0	1.0	1.0	0.0	-142.0	295.5	294.0	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-132.4	276.3	274.7	5.8
1.0	15.0	0.0	1.0	0.0	-120.1	251.7	250.1	3.7
1.0	15.0	0.0	1.0	0.0	-106.6	224.7	223.1	3.3
1.0	15.0	0.0	0.0	0.0	-70.4	142.9	142.8	2.7
1.0	15.0	1.0	0.0	0.0	-75.1	161.8	160.3	2.0
1.0	15.0	0.0	1.0	0.0	-137.0	285.6	284.0	5.1
1.0	15.0	0.0	3.0	0.0	-138.4	288.4	286.8	6.3
0.9	15.0	4.0	0.0	0.0	-170.7	353.0	351.4	15.1
0.9	15.0	4.0	0.0	0.0	-144.1	299.8	298.2	7.7
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	8.5
0.8	15.0	0.0	3.0	0.0	-136.2	292.5	288.5	10.4
0.7	15.0	3.0	0.0	0.0	-194.5	409.0	405.0	36.0
0.6	15.0	2.0	0.0	0.0	-170.5	360.9	356.9	20.0
1.0	15.0	0.0	0.0	0.0	-157.3	316.6	316.6	14.5
1.0	15.0	0.0	2.0	0.0	-117.2	246.0	244.5	5.0
1.0	15.0	0.0	0.0	0.0	-98.1	198.4	198.3	2.9
1.0	15.0	2.0	0.0	0.0	-114.2	239.8	238.3	5.1
1.0	15.0	0.0	2.0	0.0	-151.7	314.9	313.3	9.6
1.0	15.0	0.0	0.0	0.0	-130.2	262.4	262.4	6.8
1.0	15.0	2.0	0.0	0.0	-135.8	291.5	287.5	13.3
1.0	15.0	2.0	0.0	0.0	-131.8	283.7	279.7	12.4
1.0	15.0	0.0	1.0	0.0	-178.3	358.8	358.7	16.6
1.0	15.0	0.0	2.0	0.0	-120.9	253.3	251.8	5.0
1.0	15.0	4.0	0.0	0.0	-175.3	362.1	360.5	19.2
1.0	15.0	4.0	0.0	0.0	-149.4	310.4	308.9	13.2
1.0	15.0	0.0	0.0	0.0	-146.3	294.8	294.7	5.6
1.0	15.0	3.0	1.0	0.0	-133.5	286.9	282.9	4.8
1.0	15.0	2.0	0.0	0.0	-132.8	285.5	281.5	12.7
0.7	15.0	1.0	0.0	0.0	-127.3	274.5	270.5	10.0
1.0	15.0	0.0	0.0	0.0	-170.3	342.7	342.6	10.5
1.0	15.0	0.0	0.0	0.0	-125.4	252.8	252.7	6.4
1.0	15.0	3.0	0.0	0.0	-144.7	300.8	299.3	10.9
1.0	15.0	3.0	0.0	0.0	-137.4	286.3	284.8	14.2
1.0	15.0	0.0	0.0	0.0	-133.8	269.8	269.7	4.9
1.0	15.0	0.0	0.0	0.0	-111.9	226.0	225.9	4.4
1.0	15.0	1.0	0.0	0.0	-129.0	269.5	267.9	6.7
1.0	15.0	1.0	0.0	0.0	-121.1	253.8	252.2	5.5
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	5.9
0.9	15.0	0.0	4.0	0.0	-136.5	284.5	282.9	7.0
1.0	15.0	7.0	0.0	0.0	-173.3	358.1	356.5	13.6
1.0	15.0	5.0	0.0	0.0	-141.6	294.7	293.1	5.2
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.4	6.9
1.0	15.0	1.0	0.0	0.0	-136.5	284.6	283.0	6.1
1.0	15.0	3.0	1.0	0.0	-176.8	373.6	369.6	16.9
1.0	15.0	1.0	1.0	0.0	-139.8	291.1	289.6	12.8
1.0	15.0	0.0	1.0	0.0	-170.3	342.6	342.5	14.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-126.2	264.0	262.5	3.8
1.0	15.0	2.0	0.0	0.0	-115.1	250.2	246.2	5.4
0.6	15.0	4.0	0.0	0.0	-108.9	237.8	233.8	3.5
1.0	15.0	0.0	0.0	0.0	-158.5	319.1	319.0	7.8
1.0	15.0	2.0	0.0	0.0	-151.3	314.2	312.7	8.4
0.8	15.0	3.0	2.0	0.0	-192.9	405.9	401.9	20.7
1.0	15.0	1.0	2.0	0.0	-159.0	337.9	333.9	11.7
1.0	15.0	0.0	3.0	0.0	-167.8	347.2	345.7	10.3
1.0	15.0	0.0	3.0	0.0	-121.1	253.7	252.2	3.8
1.0	15.0	4.0	0.0	0.0	-131.7	283.3	279.3	6.0
0.9	15.0	4.0	0.0	0.0	-116.1	243.7	242.2	3.8
1.0	15.0	0.0	0.0	0.0	-160.7	323.5	323.4	8.4
1.0	15.0	0.0	1.0	0.0	-115.3	242.2	240.7	3.4
1.0	15.0	2.0	0.0	0.0	-126.0	263.6	262.1	10.7
1.0	15.0	1.0	0.0	0.0	-117.4	246.4	244.8	5.4
1.0	15.0	0.0	0.0	0.0	-132.6	267.3	267.2	4.8
1.0	15.0	3.0	2.0	0.0	-172.9	357.4	355.9	13.6
0.8	15.0	6.0	0.0	0.0	-192.9	397.3	395.8	31.0
1.0	15.0	4.0	0.0	0.0	-166.4	344.3	342.7	24.7
1.0	15.0	0.0	1.0	0.0	-178.0	358.0	357.9	13.6
1.0	15.0	0.0	0.0	0.0	-130.0	262.1	262.0	4.7
1.0	15.0	2.0	0.0	0.0	-154.9	321.3	319.8	8.7
1.0	15.0	2.0	0.0	0.0	-115.1	241.8	240.3	3.5
1.0	15.0	0.0	0.0	0.0	-122.8	247.7	247.6	4.6
1.0	15.0	0.0	0.0	0.0	-122.7	247.6	247.5	4.7
1.0	15.0	0.0	0.0	0.0	-173.2	348.5	348.5	13.0
0.6	15.0	2.0	0.0	0.0	-140.2	292.1	290.5	9.3
1.0	15.0	0.0	0.0	0.0	-153.9	309.8	309.7	6.7
1.0	15.0	0.0	1.0	0.0	-136.3	284.1	282.6	4.7
1.0	15.0	1.0	0.0	0.0	-121.5	254.4	252.9	3.9
1.0	15.0	1.0	0.0	0.0	-118.8	249.2	247.7	4.1
1.0	15.0	0.0	0.0	0.0	-154.3	310.7	310.6	7.3
1.0	15.0	0.0	2.0	0.0	-115.9	243.3	241.7	3.3
1.0	15.0	3.0	0.0	0.0	-137.0	285.6	284.0	5.4
1.0	15.0	3.0	0.0	0.0	-131.8	275.1	273.5	4.8
1.0	15.0	0.0	0.0	0.0	-136.0	274.1	274.0	6.0
1.0	15.0	0.0	0.0	0.0	-144.8	291.7	291.6	5.9
1.0	15.0	2.0	0.0	0.0	-110.0	231.5	230.0	3.2
1.0	15.0	2.0	0.0	0.0	-109.3	230.2	228.7	2.9
1.0	15.0	0.0	0.0	0.0	-160.9	323.9	323.8	8.8
1.0	15.0	0.0	3.0	0.0	-115.7	242.9	241.3	3.7
1.0	15.0	0.0	3.0	0.0	-122.1	255.8	254.2	4.5
1.0	15.0	3.0	0.0	0.0	-136.2	284.0	282.5	9.0
1.0	15.0	0.0	3.0	0.0	-129.6	270.7	269.1	5.0
1.0	15.0	0.0	2.0	0.0	-142.4	296.3	294.8	5.6
0.8	15.0	1.0	2.0	0.0	-191.3	402.7	398.7	26.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	3.0	0.0	0.0	-155.4	330.8	326.8	10.0
1.0	15.0	0.0	3.0	0.0	-136.2	284.1	282.5	7.0
1.0	15.0	0.0	2.0	0.0	-142.9	297.3	295.8	6.3
1.0	15.0	0.0	2.0	0.0	-110.7	233.0	231.4	3.1
0.6	15.0	2.0	0.0	0.0	-134.6	280.8	279.2	16.9
1.0	15.0	0.0	3.0	0.0	-175.6	362.8	361.3	11.4
1.0	15.0	0.0	3.0	0.0	-118.7	248.9	247.3	13.0
1.0	15.0	0.0	0.0	0.0	-74.3	150.6	150.5	1.9
1.0	15.0	3.0	0.0	0.0	-113.5	238.5	236.9	26.3
1.0	15.0	0.0	3.0	0.0	-141.2	293.9	292.4	15.1
1.0	15.0	0.0	3.0	0.0	-136.3	284.2	282.6	7.2
1.0	15.0	0.0	0.0	0.0	-81.6	165.3	165.2	1.9
1.0	15.0	3.0	0.0	0.0	-140.8	293.1	291.6	26.8
1.0	15.0	0.0	4.0	0.0	-146.6	304.7	303.2	7.4
1.0	15.0	0.0	3.0	0.0	-127.0	265.5	264.0	4.6
1.0	15.0	0.0	0.0	0.0	-83.1	168.3	168.2	2.2
1.0	15.0	2.0	0.0	0.0	-78.4	168.3	166.7	1.7
1.0	15.0	0.0	3.0	0.0	-141.3	294.1	292.6	7.4
1.0	15.0	0.0	4.0	0.0	-125.7	262.9	261.4	9.3
1.0	15.0	3.0	3.0	0.0	-128.4	276.8	272.8	9.2
1.0	15.0	4.0	0.0	0.0	-142.4	296.4	294.9	13.2
1.0	15.0	0.0	4.0	0.0	-152.7	317.0	315.5	10.5
1.0	15.0	0.0	3.0	0.0	-120.2	251.9	250.3	3.9
1.0	15.0	3.0	0.0	0.0	-163.9	339.4	337.9	12.4
1.0	15.0	3.0	0.0	0.0	-131.7	274.8	273.3	5.1
1.0	15.0	0.0	0.0	0.0	-161.1	324.3	324.2	7.9
1.0	15.0	0.0	0.0	0.0	-137.8	277.7	277.6	5.4
1.0	15.0	3.0	0.0	0.0	-144.4	300.3	298.8	8.9
1.0	15.0	3.0	0.0	0.0	-124.8	261.3	259.7	5.1
1.0	15.0	0.0	0.0	0.0	-126.8	255.6	255.6	4.3
1.0	15.0	0.0	0.0	0.0	-131.7	265.4	265.3	4.9
0.6	15.0	3.0	1.0	0.0	-189.2	398.4	394.4	21.0
1.0	15.0	2.0	1.0	0.0	-149.1	318.2	314.2	12.9
1.0	15.0	0.0	1.0	0.0	-146.3	294.7	294.6	8.8
1.0	15.0	0.0	3.0	0.0	-135.2	282.0	280.5	6.0
0.7	15.0	2.0	0.0	0.0	-110.5	241.0	237.0	3.5
1.0	15.0	2.0	0.0	0.0	-119.8	251.1	249.6	8.6
1.0	15.0	0.0	0.0	0.0	-154.6	311.3	311.2	7.6
0.6	15.0	0.0	1.0	0.0	-112.6	236.8	235.3	5.3
1.0	15.0	2.0	1.0	0.0	-147.8	307.1	305.5	8.3
1.0	15.0	1.0	0.0	0.0	-131.3	274.1	272.6	7.9
1.0	15.0	0.0	0.0	0.0	-130.1	262.4	262.3	5.5
1.0	15.0	0.0	2.0	0.0	-118.5	256.9	252.9	3.8
1.0	15.0	4.0	0.0	0.0	-172.8	357.1	355.6	20.3
0.7	15.0	4.0	0.0	0.0	-142.2	304.4	300.4	13.0
1.0	15.0	0.0	1.0	0.0	-179.2	360.4	360.3	11.7

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-135.8	273.7	273.7	5.6
1.0	15.0	1.0	0.0	0.0	-133.7	278.9	277.3	9.8
1.0	15.0	1.0	0.0	0.0	-124.5	260.6	259.1	6.1
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	7.5
1.0	15.0	0.0	0.0	0.0	-122.6	247.3	247.2	5.4
0.6	15.0	3.0	0.0	0.0	-174.3	368.7	364.7	20.6
0.6	15.0	2.0	0.0	0.0	-148.5	316.9	312.9	12.1
1.0	15.0	0.0	0.0	0.0	-138.0	278.2	278.1	7.6
1.0	15.0	0.0	0.0	0.0	-151.9	305.9	305.9	7.7
1.0	15.0	3.0	0.0	0.0	-140.7	301.5	297.5	9.9
1.0	15.0	3.0	0.0	0.0	-124.4	268.8	264.8	6.9
1.0	15.0	0.0	1.0	0.0	-184.0	370.1	370.0	13.4
1.0	15.0	0.0	1.0	0.0	-119.7	251.0	249.5	4.0
1.0	15.0	2.0	0.0	0.0	-141.3	294.1	292.6	5.4
1.0	15.0	2.0	0.0	0.0	-106.8	225.1	223.5	2.1
1.0	15.0	0.0	1.0	0.0	-147.9	307.3	305.8	6.3
1.0	15.0	0.0	1.0	0.0	-112.0	235.5	234.0	2.6
1.0	15.0	2.0	0.0	0.0	-123.5	258.6	257.0	4.4
1.0	15.0	1.0	0.0	0.0	-122.5	256.5	254.9	4.8
1.0	15.0	0.0	1.0	0.0	-134.6	271.3	271.2	9.9
0.9	15.0	0.0	2.0	0.0	-131.3	274.1	272.5	5.6
1.0	15.0	2.0	1.0	0.0	-156.0	332.0	328.0	7.8
1.0	15.0	2.0	0.0	0.0	-154.5	329.0	325.0	8.0
1.0	15.0	3.0	0.0	0.0	-148.0	307.5	306.0	6.7
0.6	15.0	1.0	0.0	0.0	-139.8	291.1	289.6	8.8
1.0	15.0	1.0	1.0	0.0	-172.9	365.7	361.7	18.6
1.0	15.0	2.0	1.0	0.0	-140.2	300.5	296.5	13.0
1.0	15.0	0.0	1.0	0.0	-177.1	356.4	356.3	14.0
1.0	15.0	0.0	3.0	0.0	-116.9	245.4	243.8	6.2
1.0	15.0	0.0	0.0	0.0	-74.4	150.9	150.8	1.6
1.0	15.0	2.0	0.0	0.0	-93.4	198.2	196.7	5.0
1.0	15.0	0.0	2.0	0.0	-136.8	285.2	283.7	5.4
1.0	15.0	0.0	1.0	0.0	-129.8	271.2	269.6	7.5
1.0	15.0	1.0	1.0	0.0	-135.3	282.1	280.6	16.7
0.9	15.0	2.0	0.0	0.0	-112.4	244.8	240.8	7.8
1.0	15.0	0.0	2.0	0.0	-159.2	329.8	328.3	9.3
1.0	15.0	0.0	0.0	0.0	-120.2	242.5	242.4	4.6
1.0	15.0	1.0	0.0	0.0	-116.1	243.8	242.3	3.1
1.0	15.0	1.0	0.0	0.0	-118.1	247.8	246.3	4.0
1.0	15.0	0.0	0.0	0.0	-138.9	279.9	279.8	6.3
1.0	15.0	0.0	0.0	0.0	-123.0	248.0	247.9	3.9
1.0	15.0	2.0	0.0	0.0	-154.2	320.0	318.4	7.6
1.0	15.0	4.0	0.0	0.0	-120.1	251.8	250.2	4.0
1.0	15.0	0.0	0.0	0.0	-148.1	298.2	298.1	6.7
1.0	15.0	0.0	0.0	0.0	-147.0	296.0	295.9	6.5
1.0	15.0	2.0	5.0	0.0	-195.9	411.8	407.8	27.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	4.0	0.0	-160.0	339.9	335.9	13.9
1.0	15.0	0.0	6.0	0.0	-141.2	294.0	292.5	6.1
1.0	15.0	0.0	3.0	0.0	-124.8	261.2	259.7	4.0
1.0	15.0	3.0	0.0	0.0	-117.9	255.9	251.9	4.7
1.0	15.0	4.0	0.0	0.0	-105.5	222.5	220.9	2.4
1.0	15.0	0.0	0.0	0.0	-163.5	329.1	329.0	8.7
1.0	15.0	0.0	0.0	0.0	-122.6	247.2	247.1	3.6
1.0	15.0	2.0	0.0	0.0	-160.4	332.3	330.7	8.8
1.0	15.0	2.0	0.0	0.0	-136.9	285.3	283.7	5.5
1.0	15.0	0.0	0.0	0.0	-141.3	284.7	284.6	7.0
1.0	15.0	0.0	0.0	0.0	-127.1	256.3	256.2	4.2
1.0	15.0	3.0	0.0	0.0	-170.3	352.1	350.5	12.2
1.0	15.0	4.0	0.0	0.0	-143.1	297.8	296.3	7.3
1.0	15.0	0.0	0.0	0.0	-146.2	294.4	294.3	5.8
1.0	15.0	0.0	3.0	0.0	-114.2	239.9	238.4	2.9
1.0	15.0	4.0	0.0	0.0	-118.6	257.1	253.1	4.9
1.0	15.0	4.0	0.0	0.0	-115.1	250.1	246.1	4.4
1.0	15.0	0.0	0.0	0.0	-138.8	279.7	279.6	5.1
1.0	15.0	0.0	4.0	0.0	-125.5	262.6	261.1	4.4
1.0	15.0	5.0	0.0	0.0	-180.2	371.8	370.3	23.6
1.0	15.0	5.0	0.0	0.0	-161.3	334.2	332.7	14.8
1.0	15.0	0.0	0.0	0.0	-149.5	301.2	301.1	10.3
1.0	15.0	0.0	1.0	0.0	-123.1	257.7	256.2	3.6
1.0	15.0	2.0	0.0	0.0	-151.7	314.9	313.4	7.4
1.0	15.0	1.0	0.0	0.0	-122.4	256.4	254.9	4.6
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	6.4
1.0	15.0	0.0	2.0	0.0	-109.9	231.4	229.9	2.4
1.0	15.0	3.0	0.0	0.0	-121.0	261.9	257.9	4.0
0.5	15.0	3.0	0.0	0.0	-115.0	250.1	246.1	3.3
1.0	15.0	0.0	1.0	0.0	-143.8	289.6	289.5	7.2
1.0	15.0	0.0	2.0	0.0	-122.5	256.5	255.0	3.8
1.0	15.0	3.0	0.0	0.0	-143.6	298.7	297.2	5.9
1.0	15.0	3.0	0.0	0.0	-141.8	295.2	293.7	6.2
1.0	15.0	0.0	0.0	0.0	-124.1	250.3	250.2	4.0
1.0	15.0	0.0	1.0	0.0	-132.0	275.6	274.1	6.2
1.0	15.0	2.0	0.0	0.0	-129.1	269.7	268.2	5.3
1.0	15.0	2.0	0.0	0.0	-129.8	271.1	269.6	6.1
1.0	15.0	0.0	1.0	0.0	-162.0	326.1	326.0	10.2
1.0	15.0	0.0	1.0	0.0	-108.5	228.4	226.9	2.7
0.6	15.0	0.0	1.0	0.0	-174.1	359.7	358.2	13.0
1.0	15.0	1.0	0.0	0.0	-121.6	254.8	253.3	4.5
1.0	15.0	0.0	1.0	0.0	-144.6	291.2	291.1	12.4
1.0	15.0	0.0	1.0	0.0	-129.8	271.1	269.6	6.1
1.0	15.0	0.0	0.0	0.0	-67.6	137.2	137.1	1.4
1.0	15.0	1.0	0.0	0.0	-70.0	151.5	150.0	1.9
1.0	15.0	0.0	1.0	0.0	-144.7	301.1	299.5	9.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-133.7	279.0	277.5	8.8
1.0	15.0	0.0	1.0	0.0	-107.4	216.8	216.7	3.8
0.9	15.0	1.0	0.0	0.0	-96.2	204.0	202.5	7.8
0.9	15.0	0.0	1.0	0.0	-153.4	318.3	316.7	10.1
1.0	15.0	0.0	1.0	0.0	-92.3	196.2	194.7	2.4
1.0	15.0	1.0	0.0	0.0	-135.7	283.0	281.5	5.5
1.0	15.0	1.0	0.0	0.0	-123.1	257.8	256.2	4.4
1.0	15.0	0.0	0.0	0.0	-152.1	306.3	306.2	7.0
1.0	15.0	0.0	2.0	0.0	-162.1	335.8	334.3	9.4
0.9	15.0	6.0	0.0	0.0	-178.8	369.1	367.5	16.6
1.0	15.0	5.0	0.0	0.0	-126.6	264.8	263.2	5.8
1.0	15.0	0.0	0.0	0.0	-172.9	348.0	347.9	13.2
1.0	15.0	0.0	0.0	0.0	-122.5	247.0	246.9	3.3
1.0	15.0	1.0	0.0	0.0	-107.5	226.5	225.0	2.5
1.0	15.0	1.0	0.0	0.0	-86.6	184.7	183.1	1.6
1.0	15.0	0.0	0.0	0.0	-159.3	320.7	320.6	7.7
1.0	15.0	0.0	2.0	0.0	-133.1	277.8	276.3	6.2
1.0	15.0	2.0	1.0	0.0	-152.3	324.6	320.6	8.2
1.0	15.0	3.0	0.0	0.0	-154.3	320.1	318.5	9.5
1.0	15.0	0.0	2.0	0.0	-142.9	297.3	295.7	8.2
1.0	15.0	0.0	2.0	0.0	-132.8	277.2	275.6	8.9
0.7	15.0	2.0	2.0	0.0	-184.0	388.1	384.0	35.8
1.0	15.0	0.0	0.0	0.0	-140.7	283.5	283.4	12.5
1.0	15.0	0.0	3.0	0.0	-136.4	284.4	282.8	11.1
1.0	15.0	0.0	1.0	0.0	-131.3	274.2	272.7	4.6
1.0	15.0	0.0	0.0	0.0	-96.1	194.3	194.2	2.4
1.0	15.0	1.0	0.0	0.0	-113.7	239.0	237.4	4.2
1.0	15.0	0.0	1.0	0.0	-129.7	271.0	269.5	4.4
1.0	15.0	0.0	1.0	0.0	-116.3	244.2	242.6	2.9
1.0	15.0	3.0	0.0	0.0	-78.3	168.1	166.6	0.9
1.0	15.0	1.0	0.0	0.0	-79.1	169.7	168.2	4.8
1.0	15.0	0.0	2.0	0.0	-120.6	252.7	251.2	4.3
1.0	15.0	0.0	1.0	0.0	-137.1	285.8	284.2	9.9
1.0	15.0	0.0	0.0	0.0	-77.1	156.4	156.3	1.3
1.0	15.0	1.0	0.0	0.0	-113.4	238.4	236.9	15.6
1.0	15.0	0.0	1.0	0.0	-156.9	325.4	323.8	9.4
1.0	15.0	0.0	1.0	0.0	-136.9	285.4	283.8	5.0
1.0	15.0	0.0	0.0	0.0	-64.6	131.2	131.1	0.9
1.0	15.0	1.0	0.0	0.0	-69.5	150.6	149.0	1.9
1.0	15.0	0.0	1.0	0.0	-115.5	242.6	241.1	3.0
1.0	15.0	0.0	1.0	0.0	-122.7	257.0	255.5	3.6
1.0	15.0	0.0	1.0	0.0	-107.9	227.3	225.8	2.2
1.0	15.0	1.0	0.0	0.0	-103.7	218.9	217.3	4.1
1.0	15.0	0.0	1.0	0.0	-151.3	314.1	312.6	6.6
1.0	15.0	0.0	3.0	0.0	-115.1	241.8	240.3	3.4
1.0	15.0	3.0	0.0	0.0	-168.5	357.0	353.0	13.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-120.7	261.5	257.5	3.7
1.0	15.0	0.0	1.0	0.0	-163.0	328.0	327.9	11.0
1.0	15.0	0.0	1.0	0.0	-144.8	301.1	299.5	6.6
1.0	15.0	1.0	1.0	0.0	-160.5	341.0	337.0	11.8
1.0	15.0	2.0	0.0	0.0	-139.7	299.4	295.4	5.5
1.0	15.0	0.0	1.0	0.0	-177.6	357.3	357.2	17.9
1.0	15.0	0.0	2.0	0.0	-125.8	263.2	261.7	4.5
1.0	15.0	0.0	2.0	0.0	-100.4	212.3	210.8	1.5
1.0	15.0	1.0	0.0	0.0	-119.3	250.2	248.7	9.3
1.0	15.0	0.0	2.0	0.0	-140.6	292.8	291.2	5.7
1.0	15.0	0.0	2.0	0.0	-123.1	257.8	256.2	4.2
1.0	15.0	0.0	0.0	0.0	-103.0	208.0	207.9	2.4
1.0	15.0	2.0	0.0	0.0	-100.5	212.6	211.0	1.5
1.0	15.0	0.0	0.0	0.0	-167.8	337.6	337.5	10.1
1.0	15.0	0.0	3.0	0.0	-142.4	296.3	294.7	5.7
0.9	15.0	0.0	3.0	0.0	-119.5	250.5	248.9	11.9
1.0	15.0	2.0	0.0	0.0	-168.7	348.9	347.4	40.8
1.0	15.0	0.0	3.0	0.0	-143.5	298.6	297.0	5.4
1.0	15.0	0.0	2.0	0.0	-120.2	252.0	250.5	4.0
1.0	15.0	2.0	0.0	0.0	-148.8	309.2	307.6	19.0
1.0	15.0	2.0	0.0	0.0	-143.2	297.9	296.4	17.9
1.0	15.0	0.0	0.0	0.0	-120.1	242.4	242.3	5.8
1.0	15.0	0.0	2.0	0.0	-116.2	243.9	242.3	3.1
1.0	15.0	2.0	0.0	0.0	-142.1	304.2	300.2	6.0
1.0	15.0	3.0	0.0	0.0	-133.5	287.0	283.0	6.3
1.0	15.0	0.0	1.0	0.0	-115.3	242.1	240.6	3.1
1.0	15.0	0.0	0.0	0.0	-121.1	244.3	244.2	10.6
1.0	15.0	1.0	0.0	0.0	-168.5	348.7	347.1	27.3
1.0	15.0	0.0	0.0	0.0	-128.9	260.0	259.9	6.4
1.0	15.0	0.0	0.0	0.0	-163.9	329.9	329.8	15.8
1.0	15.0	0.0	3.0	0.0	-132.7	277.0	275.4	4.9
0.9	15.0	0.0	3.0	0.0	-118.9	249.3	247.8	25.4
0.9	15.0	3.0	0.0	0.0	-173.5	358.5	356.9	50.2
1.0	15.0	0.0	3.0	0.0	-156.0	323.5	322.0	7.5
1.0	15.0	0.0	1.0	0.0	-148.2	307.9	306.3	7.1
1.0	15.0	0.0	0.0	0.0	-83.4	168.9	168.8	2.6
1.0	15.0	1.0	0.0	0.0	-115.4	242.3	240.8	5.0
1.0	15.0	0.0	1.0	0.0	-165.2	342.0	340.4	9.2
0.9	15.0	0.0	2.0	0.0	-115.2	242.0	240.4	3.2
1.0	15.0	0.0	3.0	0.0	-145.4	302.4	300.9	6.3
1.0	15.0	2.0	2.0	0.0	-145.8	303.1	301.6	7.6
0.6	15.0	1.0	3.0	0.0	-141.5	303.0	299.0	6.1
1.0	15.0	0.0	2.0	0.0	-150.5	312.5	311.0	13.6
1.0	15.0	3.0	2.0	0.0	-193.0	406.0	402.0	28.5
1.0	15.0	3.0	0.0	0.0	-147.8	315.6	311.6	13.0
1.0	15.0	0.0	2.0	0.0	-160.5	332.5	331.0	19.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-133.7	279.0	277.5	5.6
1.0	15.0	0.0	3.0	0.0	-112.3	236.2	234.6	3.8
0.8	15.0	1.0	0.0	0.0	-128.9	269.4	267.9	15.1
1.0	15.0	0.0	3.0	0.0	-159.4	330.4	328.8	11.1
1.0	15.0	0.0	2.0	0.0	-116.8	245.2	243.6	4.1
1.0	15.0	0.0	0.0	0.0	-56.1	114.4	114.3	0.7
1.0	15.0	2.0	0.0	0.0	-93.5	198.5	197.0	12.4
1.0	15.0	0.0	2.0	0.0	-153.7	318.9	317.3	8.8
1.0	15.0	0.0	2.0	0.0	-113.7	238.9	237.4	3.3
1.0	15.0	0.0	0.0	0.0	-68.4	139.0	138.9	1.3
1.0	15.0	2.0	0.0	0.0	-110.8	233.1	231.6	9.3
1.0	15.0	0.0	3.0	0.0	-177.1	365.7	364.2	11.6
1.0	15.0	0.0	2.0	0.0	-132.1	275.8	274.3	4.9
1.0	15.0	0.0	0.0	0.0	-75.0	152.0	151.9	1.7
1.0	15.0	1.0	0.0	0.0	-64.2	140.0	138.4	0.7
1.0	15.0	0.0	2.0	0.0	-152.4	316.4	314.8	9.6
1.0	15.0	0.0	5.0	0.0	-146.5	304.5	303.0	8.6
0.6	15.0	0.0	3.0	0.0	-119.9	259.8	255.8	3.2
1.0	15.0	2.0	0.0	0.0	-138.7	288.9	287.3	12.8
1.0	15.0	0.0	2.0	0.0	-161.5	334.5	332.9	9.3
1.0	15.0	0.0	0.0	0.0	-125.8	253.7	253.6	4.1
1.0	15.0	3.0	0.0	0.0	-148.3	308.2	306.6	8.1
1.0	15.0	3.0	0.0	0.0	-120.7	253.0	251.5	3.4
1.0	15.0	0.0	0.0	0.0	-161.2	324.6	324.5	8.6
1.0	15.0	0.0	6.0	0.0	-180.8	373.2	371.7	18.7
1.0	15.0	1.0	7.0	0.0	-170.3	360.6	356.6	23.3
0.5	15.0	5.0	2.0	0.0	-193.0	406.0	402.0	32.8
1.0	15.0	0.0	6.0	0.0	-173.2	357.9	356.4	12.8
1.0	15.0	0.0	9.0	0.0	-164.1	339.8	338.3	10.1
1.0	15.0	2.0	10.0	0.0	-231.9	483.8	479.8	44.6
0.7	15.0	2.0	5.0	0.0	-198.9	417.8	413.8	20.0
1.0	15.0	0.0	11.0	0.0	-131.6	274.7	273.1	9.4
1.0	15.0	5.0	3.0	0.0	-167.1	354.3	350.3	10.0
0.8	15.0	1.0	3.0	0.0	-170.5	343.2	343.1	11.1
1.0	15.0	3.0	5.0	0.0	-165.9	351.9	347.9	16.9
1.0	15.0	0.0	6.0	0.0	-191.4	394.4	392.8	18.9
1.0	15.0	0.0	8.0	0.0	-190.6	392.8	391.2	20.7
1.0	15.0	0.0	0.0	0.0	-96.9	195.9	195.8	2.9
1.0	15.0	8.0	0.0	0.0	-192.2	395.9	394.4	19.6
1.0	15.0	0.0	8.0	0.0	-209.9	431.2	429.7	31.0
1.0	15.0	0.0	6.0	0.0	-167.0	345.6	344.1	11.2
0.6	15.0	6.0	0.0	0.0	-163.7	347.3	343.3	12.5
1.0	15.0	8.0	0.0	0.0	-187.2	386.0	384.5	21.6
1.0	15.0	0.0	7.0	0.0	-191.3	394.1	392.5	15.9
0.9	15.0	0.0	8.0	0.0	-157.1	325.6	324.1	8.9
1.0	15.0	0.0	0.0	0.0	-91.3	184.7	184.6	1.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-105.6	222.8	221.3	4.0
1.0	15.0	0.0	9.0	0.0	-188.1	387.7	386.2	15.4
1.0	15.0	0.0	5.0	0.0	-146.2	304.0	302.5	6.1
1.0	15.0	0.0	0.0	0.0	-134.4	270.9	270.8	4.9
0.9	15.0	5.0	0.0	0.0	-155.2	321.9	320.4	9.1
1.0	15.0	0.0	7.0	0.0	-177.0	365.5	364.0	13.6
1.0	15.0	0.0	0.0	0.0	-134.9	271.8	271.7	5.1
1.0	15.0	2.0	0.0	0.0	-161.3	334.2	332.6	9.2
1.0	15.0	2.0	0.0	0.0	-120.6	252.8	251.3	5.7
1.0	15.0	0.0	0.0	0.0	-149.1	300.2	300.1	6.8
1.0	15.0	0.0	2.0	0.0	-113.9	239.4	237.9	3.8
0.9	15.0	2.0	0.0	0.0	-168.4	348.3	346.8	11.8
1.0	15.0	1.0	0.0	0.0	-144.7	301.0	299.4	10.6
1.0	15.0	0.0	0.0	0.0	-160.8	323.8	323.7	8.1
1.0	15.0	2.0	0.0	0.0	-119.7	251.0	249.4	3.3
1.0	15.0	2.0	0.0	0.0	-108.5	228.5	227.0	2.4
1.0	15.0	0.0	0.0	0.0	-82.4	167.0	166.9	1.6
1.0	15.0	1.0	0.0	0.0	-173.0	348.0	347.9	12.0
1.0	15.0	0.0	3.0	0.0	-151.9	315.3	313.8	7.7
1.0	15.0	1.0	1.0	0.0	-145.2	310.4	306.4	9.0
0.7	15.0	2.0	0.0	0.0	-154.7	329.3	325.3	14.1
1.0	15.0	0.0	2.0	0.0	-153.6	318.7	317.2	12.6
1.0	15.0	0.0	2.0	0.0	-241.6	493.9	493.1	4.7
1.0	15.0	2.0	1.0	0.0	-293.4	604.5	602.7	6.6
1.0	15.0	2.0	0.0	0.0	-269.5	549.6	548.9	6.0
1.0	15.0	0.0	1.0	0.0	-304.0	618.8	618.1	8.3
1.0	15.0	0.0	1.0	0.0	-266.6	543.9	543.2	4.5
1.0	15.0	0.0	0.0	0.0	-241.6	485.2	485.2	7.3
0.9	15.0	1.0	0.0	0.0	-210.4	431.5	430.8	4.2
1.0	15.0	0.0	1.0	0.0	-340.1	682.2	682.2	11.5
1.0	15.0	0.0	0.0	0.0	-131.0	264.1	264.0	4.4
1.0	15.0	2.0	0.0	0.0	-186.1	383.8	382.2	15.5
1.0	15.0	1.0	0.0	0.0	-123.3	258.2	256.7	4.5
1.0	15.0	0.0	0.0	0.0	-134.1	270.2	270.1	5.0
1.0	15.0	0.0	0.0	0.0	-114.0	230.1	230.0	4.0
1.0	15.0	3.0	0.0	0.0	-138.0	287.5	286.0	24.3
1.0	15.0	4.0	0.0	0.0	-137.2	286.0	284.5	15.5
1.0	15.0	0.0	0.0	0.0	-143.9	289.8	289.7	6.0
0.5	15.0	3.0	0.0	0.0	-118.8	249.1	247.5	3.6
1.0	15.0	1.0	0.0	0.0	-80.6	172.7	171.1	1.2
1.0	15.0	2.0	0.0	0.0	-74.2	160.0	158.5	1.6
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.8	5.5
1.0	15.0	0.0	0.0	0.0	-126.7	255.5	255.4	4.5
1.0	15.0	3.0	0.0	0.0	-128.9	269.4	267.8	14.2
1.0	15.0	3.0	0.0	0.0	-118.4	248.4	246.8	6.5
1.0	15.0	0.0	0.0	0.0	-152.8	307.7	307.6	7.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-126.6	255.3	255.2	4.2
1.0	15.0	1.0	0.0	0.0	-89.6	190.7	189.2	1.7
1.0	15.0	1.0	0.0	0.0	-66.7	145.0	143.5	0.7
1.0	15.0	0.0	0.0	0.0	-150.8	303.7	303.6	9.4
1.0	15.0	0.0	0.0	0.0	-116.4	234.9	234.8	3.1
1.0	15.0	2.0	0.0	0.0	-104.8	221.0	219.5	2.1
1.0	15.0	1.0	0.0	0.0	-102.3	216.1	214.5	1.8
1.0	15.0	0.0	0.0	0.0	-139.6	281.3	281.2	5.3
1.0	15.0	0.0	0.0	0.0	-153.6	309.3	309.2	8.8
1.0	15.0	1.0	0.0	0.0	-159.2	329.9	328.3	9.0
1.0	15.0	0.0	0.0	0.0	-115.0	232.0	231.9	4.5
1.0	15.0	0.0	0.0	0.0	-164.1	330.2	330.1	10.3
1.0	15.0	0.0	0.0	0.0	-136.5	275.2	275.1	5.2
1.0	15.0	2.0	0.0	0.0	-115.0	241.5	239.9	2.8
1.0	15.0	1.0	0.0	0.0	-113.4	238.3	236.8	2.8
1.0	15.0	0.0	0.0	0.0	-161.4	324.9	324.8	9.7
1.0	15.0	0.0	0.0	0.0	-123.7	249.5	249.4	3.5
1.0	15.0	2.0	0.0	0.0	-99.5	210.4	208.9	1.5
1.0	15.0	2.0	0.0	0.0	-98.0	207.5	206.0	1.5
1.0	15.0	0.0	0.0	0.0	-167.2	336.4	336.3	9.3
1.0	15.0	0.0	5.0	0.0	-253.6	517.9	517.2	3.8
1.0	15.0	8.0	0.0	0.0	-346.9	704.5	703.7	14.3
1.0	15.0	8.0	0.0	0.0	-323.9	658.4	657.7	11.4
1.0	15.0	0.0	0.0	0.0	-311.3	624.6	624.5	7.8
1.0	15.0	0.0	2.0	0.0	-123.4	258.4	256.9	3.8
1.0	15.0	2.0	0.0	0.0	-158.7	329.0	327.5	10.0
1.0	15.0	2.0	0.0	0.0	-143.3	298.2	296.6	7.4
1.0	15.0	0.0	0.0	0.0	-155.2	312.5	312.4	7.3
1.0	15.0	0.0	0.0	0.0	-141.0	284.2	284.1	5.5
1.0	15.0	1.0	0.0	0.0	-147.1	305.8	304.3	8.4
1.0	15.0	2.0	0.0	0.0	-105.5	222.6	221.0	2.1
1.0	15.0	0.0	0.0	0.0	-150.4	302.8	302.8	7.3
1.0	15.0	0.0	0.0	0.0	-133.1	268.3	268.2	6.0
1.0	15.0	2.0	0.0	0.0	-128.4	268.3	266.8	4.2
1.0	15.0	1.0	0.0	0.0	-128.4	268.3	266.7	4.5
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	5.0
1.0	15.0	0.0	0.0	0.0	-153.4	308.8	308.7	7.5
1.0	15.0	1.0	2.0	0.0	-142.5	296.5	294.9	5.8
1.0	15.0	1.0	0.0	0.0	-129.4	270.4	268.8	4.2
1.0	15.0	0.0	0.0	0.0	-144.3	290.7	290.6	7.0
1.0	15.0	0.0	3.0	0.0	-139.2	290.0	288.4	7.8
1.0	15.0	1.0	3.0	0.0	-176.4	372.7	368.7	23.1
0.8	15.0	1.0	1.0	0.0	-159.6	339.3	335.3	19.1
1.0	15.0	0.0	3.0	0.0	-195.3	402.1	400.6	17.7
1.0	15.0	0.0	2.0	0.0	-140.1	291.7	290.2	5.2
1.0	15.0	1.0	0.0	0.0	-124.6	269.2	265.2	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-144.8	301.2	299.6	11.7
1.0	15.0	0.0	1.0	0.0	-156.7	325.0	323.4	7.8
1.0	15.0	0.0	2.0	0.0	-121.1	253.7	252.1	4.0
1.0	15.0	1.0	3.0	0.0	-145.7	311.3	307.3	7.1
0.9	15.0	3.0	0.0	0.0	-143.4	298.3	296.8	6.8
1.0	15.0	0.0	2.0	0.0	-148.5	308.5	307.0	7.0
1.0	15.0	0.0	1.0	0.0	-140.0	291.6	290.1	5.4
1.0	15.0	0.0	0.0	0.0	-100.8	203.8	203.7	2.4
1.0	15.0	1.0	0.0	0.0	-110.8	233.2	231.7	3.2
1.0	15.0	0.0	1.0	0.0	-146.9	305.3	303.7	7.4
1.0	15.0	0.0	2.0	0.0	-132.7	276.9	275.4	7.5
1.0	15.0	1.0	0.0	0.0	-82.8	167.8	167.7	3.8
1.0	15.0	1.0	0.0	0.0	-96.2	204.0	202.5	17.2
1.0	15.0	0.0	4.0	0.0	-143.4	298.3	296.8	9.7
1.0	15.0	0.0	1.0	0.0	-147.8	307.0	305.5	9.7
1.0	15.0	0.0	0.0	0.0	-73.6	149.4	149.3	1.3
0.7	15.0	1.0	0.0	0.0	-89.2	189.9	188.3	6.3
0.5	15.0	0.0	1.0	0.0	-170.1	351.7	350.2	13.1
1.0	15.0	0.0	2.0	0.0	-131.7	275.0	273.4	5.5
1.0	15.0	0.0	0.0	0.0	-71.1	144.3	144.2	1.6
1.0	15.0	2.0	0.0	0.0	-65.9	143.3	141.8	0.8
1.0	15.0	0.0	2.0	0.0	-155.5	322.6	321.1	9.3
1.0	15.0	0.0	1.0	0.0	-123.6	258.8	257.2	4.3
1.0	15.0	0.0	0.0	0.0	-107.0	216.2	216.1	3.9
1.0	15.0	1.0	0.0	0.0	-126.2	263.9	262.3	22.1
1.0	15.0	0.0	2.0	0.0	-151.5	314.5	312.9	7.4
1.0	15.0	0.0	0.0	0.0	-138.5	279.1	279.0	4.7
1.0	15.0	2.0	0.0	0.0	-170.5	352.6	351.1	10.7
1.0	15.0	1.0	0.0	0.0	-128.6	268.6	267.1	4.7
1.0	15.0	0.0	0.0	0.0	-178.1	358.3	358.2	11.3
0.9	15.0	0.0	2.0	0.0	-120.3	252.1	250.5	3.4
1.0	15.0	5.0	0.0	0.0	-142.8	305.7	301.7	8.6
1.0	15.0	5.0	0.0	0.0	-128.8	277.6	273.6	5.9
1.0	15.0	0.0	0.0	0.0	-140.2	282.6	282.5	4.9
1.0	15.0	0.0	6.0	0.0	-125.3	262.2	260.7	3.8
1.0	15.0	5.0	0.0	0.0	-132.0	284.0	280.0	5.4
1.0	15.0	5.0	0.0	0.0	-119.1	258.2	254.2	3.6
1.0	15.0	0.0	0.0	0.0	-175.0	352.0	351.9	10.8
1.0	15.0	0.0	1.0	0.0	-133.5	278.6	277.1	5.4
1.0	15.0	2.0	1.0	0.0	-143.4	306.8	302.8	7.1
1.0	15.0	3.0	0.0	0.0	-135.8	283.2	281.7	5.9
1.0	15.0	0.0	1.0	0.0	-144.1	299.7	298.2	7.3
1.0	15.0	1.0	1.0	0.0	-139.9	291.3	289.8	9.1
1.0	15.0	3.0	1.0	0.0	-185.7	391.3	387.3	26.5
0.7	15.0	0.0	1.0	0.0	-168.4	348.3	346.7	10.9
1.0	15.0	0.0	1.0	0.0	-172.7	357.0	355.5	10.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-125.6	262.7	261.1	4.3
1.0	15.0	0.0	0.0	0.0	-102.1	206.2	206.1	3.5
1.0	15.0	1.0	0.0	0.0	-110.1	231.8	230.2	3.5
1.0	15.0	0.0	1.0	0.0	-152.3	316.2	314.6	7.2
1.0	15.0	0.0	1.0	0.0	-112.3	236.1	234.6	2.8
1.0	15.0	0.0	0.0	0.0	-63.3	128.7	128.6	0.9
1.0	15.0	1.0	0.0	0.0	-76.4	164.4	162.8	3.2
1.0	15.0	0.0	1.0	0.0	-136.5	284.5	282.9	5.1
1.0	15.0	0.0	1.0	0.0	-118.0	247.6	246.1	3.2
1.0	15.0	0.0	0.0	0.0	-60.1	122.3	122.2	0.8
1.0	15.0	1.0	0.0	0.0	-66.8	145.1	143.6	1.9
1.0	15.0	0.0	1.0	0.0	-134.7	280.9	279.4	5.3
1.0	15.0	0.0	0.0	0.0	-116.3	234.7	234.6	3.0
1.0	15.0	1.0	0.0	0.0	-160.9	333.3	331.8	8.3
1.0	15.0	1.0	0.0	0.0	-151.2	314.0	312.4	6.3
1.0	15.0	0.0	0.0	0.0	-148.7	299.5	299.5	8.9
1.0	15.0	0.0	6.0	0.0	-134.5	289.0	285.0	6.2
1.0	15.0	7.0	0.0	0.0	-149.8	319.7	315.7	9.5
1.0	15.0	7.0	0.0	0.0	-156.6	333.1	329.1	16.8
1.0	15.0	0.0	8.0	0.0	-155.5	331.0	327.0	7.7
1.0	15.0	2.0	0.0	0.0	-122.8	257.2	255.6	3.7
1.0	15.0	2.0	0.0	0.0	-133.2	278.0	276.5	6.2
1.0	15.0	1.0	0.0	0.0	-118.6	248.8	247.3	4.3
1.0	15.0	0.0	0.0	0.0	-142.1	286.4	286.3	5.5
1.0	15.0	2.0	0.0	0.0	-133.3	278.2	276.6	4.8
1.0	15.0	4.0	0.0	0.0	-196.6	404.7	403.1	36.1
1.0	15.0	2.0	0.0	0.0	-153.4	318.4	316.9	13.6
1.0	15.0	0.0	0.0	0.0	-163.1	328.3	328.2	8.7
1.0	15.0	1.0	0.0	0.0	-131.3	274.1	272.5	5.0
1.0	15.0	6.0	0.0	0.0	-166.1	343.7	342.2	37.4
1.0	15.0	4.0	0.0	0.0	-135.9	283.3	281.7	13.9
1.0	15.0	0.0	0.0	0.0	-175.1	352.4	352.3	11.3
1.0	15.0	3.0	0.0	0.0	-109.4	230.4	228.8	2.3
1.0	15.0	3.0	0.0	0.0	-107.4	226.4	224.9	7.7
1.0	15.0	3.0	0.0	0.0	-92.4	196.3	194.7	4.9
1.0	15.0	0.0	0.0	0.0	-114.4	231.0	230.9	2.8
1.0	15.0	2.0	0.0	0.0	-126.8	265.1	263.5	4.1
1.0	15.0	5.0	0.0	0.0	-145.5	302.5	301.0	29.4
1.0	15.0	4.0	0.0	0.0	-129.9	271.3	269.7	9.7
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	5.9
1.0	15.0	2.0	0.0	0.0	-118.6	248.8	247.3	4.3
1.0	15.0	3.0	0.0	0.0	-111.2	233.9	232.4	10.4
1.0	15.0	2.0	0.0	0.0	-78.6	168.8	167.2	1.4
1.0	15.0	0.0	0.0	0.0	-144.4	290.9	290.8	5.9
1.0	15.0	2.0	0.0	0.0	-104.6	220.7	219.2	2.0
1.0	15.0	5.0	0.0	0.0	-130.7	272.9	271.4	8.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	4.0	0.0	0.0	-120.6	252.8	251.2	5.1
1.0	15.0	0.0	0.0	0.0	-175.1	352.3	352.2	10.8
1.0	15.0	0.0	0.0	0.0	-251.4	504.9	504.8	5.6
1.0	15.0	2.0	0.0	0.0	-300.9	612.5	611.7	7.5
1.0	15.0	1.0	0.0	0.0	-290.3	591.3	590.6	8.9
1.0	15.0	0.0	0.0	0.0	-301.9	605.9	605.8	7.1
1.0	15.0	2.0	0.0	0.0	-282.9	576.5	575.8	6.0
1.0	15.0	5.0	0.0	0.0	-393.2	797.2	796.5	44.7
1.0	15.0	3.0	0.0	0.0	-291.1	593.0	592.2	12.8
1.0	15.0	0.0	0.0	0.0	-294.0	590.0	589.9	7.2
1.0	15.0	1.0	0.0	0.0	-258.7	528.0	527.3	5.1
1.0	15.0	5.0	0.0	0.0	-387.5	785.7	785.0	95.8
1.0	15.0	5.0	0.0	0.0	-297.1	604.8	604.1	31.9
1.0	15.0	0.0	0.0	0.0	-354.2	710.4	710.4	12.9
1.0	15.0	2.0	0.0	0.0	-267.9	546.6	545.9	6.2
1.0	15.0	3.0	0.0	0.0	-223.8	458.4	457.6	4.6
1.0	15.0	3.0	0.0	0.0	-174.1	358.8	358.1	2.2
1.0	15.0	0.0	0.0	0.0	-280.4	562.8	562.8	6.8
1.0	15.0	2.0	0.0	0.0	-304.4	619.4	618.7	7.6
1.0	15.0	5.0	0.0	0.0	-325.7	662.0	661.3	39.7
1.0	15.0	4.0	0.0	0.0	-288.7	588.0	587.3	19.8
1.0	15.0	0.0	0.0	0.0	-349.5	701.0	700.9	10.9
1.0	15.0	2.0	0.0	0.0	-280.4	571.5	570.8	5.1
1.0	15.0	4.0	0.0	0.0	-238.4	487.6	486.9	12.6
1.0	15.0	2.0	0.0	0.0	-172.7	356.0	355.3	2.5
1.0	15.0	0.0	0.0	0.0	-276.8	555.7	555.6	6.4
1.0	15.0	3.0	0.0	0.0	-268.4	547.6	546.9	4.7
1.0	15.0	5.0	0.0	0.0	-307.6	625.9	625.2	21.6
1.0	15.0	4.0	0.0	0.0	-259.9	530.6	529.8	8.9
1.0	15.0	0.0	0.0	0.0	-328.2	658.5	658.5	9.3
1.0	15.0	0.0	1.0	0.0	-127.9	267.3	265.7	4.4
1.0	15.0	0.0	0.0	0.0	-69.2	140.5	140.4	1.0
0.5	15.0	1.0	0.0	0.0	-103.0	217.6	216.1	2.3
1.0	15.0	0.0	0.0	0.0	-164.1	330.2	330.1	8.7
1.0	15.0	0.0	0.0	0.0	-115.0	232.2	232.1	3.6
1.0	15.0	1.0	0.0	0.0	-171.3	354.1	352.6	17.2
1.0	15.0	0.0	0.0	0.0	-144.6	291.2	291.1	14.9
1.0	15.0	0.0	0.0	0.0	-132.6	267.4	267.3	4.7
1.0	15.0	0.0	0.0	0.0	-125.5	253.1	253.0	3.7
1.0	15.0	1.0	0.0	0.0	-160.3	332.1	330.6	10.0
1.0	15.0	1.0	0.0	0.0	-136.9	285.3	283.7	6.4
1.0	15.0	0.0	0.0	0.0	-157.6	317.2	317.2	7.3
1.0	15.0	0.0	2.0	0.0	-125.0	261.5	260.0	4.4
1.0	15.0	2.0	0.0	0.0	-159.6	330.8	329.3	9.1
1.0	15.0	3.0	0.0	0.0	-121.3	254.1	252.6	4.8
1.0	15.0	0.0	0.0	0.0	-141.5	285.2	285.1	6.1



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	7.2
1.0	15.0	1.0	1.0	0.0	-145.6	311.2	307.2	17.4
1.0	15.0	0.0	1.0	0.0	-128.7	268.9	267.4	8.5
1.0	15.0	0.0	1.0	0.0	-162.3	326.7	326.6	11.5
1.0	15.0	0.0	0.0	0.0	-132.8	267.6	267.5	4.7
0.8	15.0	2.0	0.0	0.0	-149.4	318.8	314.8	10.4
1.0	15.0	2.0	0.0	0.0	-106.1	223.8	222.3	3.0
1.0	15.0	0.0	0.0	0.0	-134.2	270.4	270.3	4.7
1.0	15.0	1.0	0.0	0.0	-122.2	255.8	254.3	4.5
1.0	15.0	1.0	5.0	0.0	-196.2	412.4	408.4	33.8
1.0	15.0	1.0	5.0	0.0	-163.4	346.8	342.8	18.4
1.0	15.0	0.0	6.0	0.0	-150.2	311.9	310.4	7.7
1.0	15.0	0.0	5.0	0.0	-117.8	247.1	245.5	3.0
1.0	15.0	0.0	0.0	0.0	-145.8	293.6	293.5	6.5
0.6	15.0	3.0	0.0	0.0	-116.0	251.9	247.9	3.0
1.0	15.0	0.0	0.0	0.0	-178.3	358.6	358.5	11.9
1.0	15.0	0.0	2.0	0.0	-118.9	249.3	247.7	3.3
1.0	15.0	4.0	0.0	0.0	-156.7	325.0	323.5	7.7
1.0	15.0	4.0	0.0	0.0	-147.6	306.7	305.2	6.9
1.0	15.0	0.0	0.0	0.0	-133.1	268.2	268.1	4.5
1.0	15.0	0.0	4.0	0.0	-131.8	275.0	273.5	5.1
1.0	15.0	5.0	0.0	0.0	-149.5	310.6	309.1	8.6
0.9	15.0	4.0	0.0	0.0	-160.2	331.9	330.3	13.1
1.0	15.0	0.0	0.0	0.0	-125.2	252.6	252.5	4.0
1.0	15.0	0.0	1.0	0.0	-176.2	354.4	354.3	12.7
1.0	15.0	1.0	2.0	0.0	-195.1	401.7	400.2	20.6
1.0	15.0	1.0	3.0	0.0	-174.8	369.5	365.5	12.4
1.0	15.0	0.0	2.0	0.0	-174.3	360.1	358.6	18.7
1.0	15.0	0.0	2.0	0.0	-133.7	279.0	277.4	5.0
1.0	15.0	2.0	1.0	0.0	-124.8	261.2	259.7	6.3
1.0	15.0	2.0	0.0	0.0	-121.6	254.8	253.3	5.1
1.0	15.0	0.0	1.0	0.0	-161.7	325.4	325.3	9.6
1.0	15.0	0.0	4.0	0.0	-125.1	261.6	260.1	4.8
1.0	15.0	5.0	0.0	0.0	-165.8	351.6	347.6	12.9
0.9	15.0	5.0	0.0	0.0	-157.3	334.6	330.6	14.6
1.0	15.0	0.0	0.0	0.0	-155.2	312.5	312.4	9.8
1.0	15.0	0.0	1.0	0.0	-126.1	263.6	262.1	4.1
1.0	15.0	2.0	0.0	0.0	-112.8	245.5	241.5	2.8
1.0	15.0	3.0	0.0	0.0	-107.8	227.1	225.5	2.4
1.0	15.0	0.0	0.0	0.0	-164.3	330.7	330.6	9.2
1.0	15.0	0.0	1.0	0.0	-120.1	251.8	250.3	3.4
1.0	15.0	0.0	0.0	0.0	-131.8	265.7	265.6	4.6
1.0	15.0	1.0	0.0	0.0	-109.5	230.5	228.9	2.6
1.0	15.0	0.0	0.0	0.0	-132.2	266.5	266.4	5.4
1.0	15.0	0.0	3.0	0.0	-132.0	275.5	273.9	4.8
0.9	15.0	4.0	0.0	0.0	-171.0	353.5	351.9	15.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-153.7	319.1	317.5	11.3
1.0	15.0	0.0	0.0	0.0	-155.9	313.8	313.7	7.4
1.0	15.0	0.0	1.0	0.0	-143.7	299.0	297.4	5.8
1.0	15.0	0.0	0.0	0.0	-136.3	274.7	274.6	5.6
1.0	15.0	1.0	0.0	0.0	-114.6	240.7	239.2	4.8
1.0	15.0	0.0	1.0	0.0	-148.2	298.6	298.5	11.4
1.0	15.0	0.0	2.0	0.0	-118.1	247.7	246.1	4.1
0.6	15.0	3.0	0.0	0.0	-161.4	342.9	338.8	10.2
1.0	15.0	3.0	0.0	0.0	-127.3	266.1	264.5	5.0
1.0	15.0	0.0	0.0	0.0	-150.4	302.9	302.8	9.4
1.0	15.0	0.0	0.0	0.0	-133.8	269.6	269.5	5.3
1.0	15.0	2.0	0.0	0.0	-154.6	320.7	319.2	9.2
1.0	15.0	1.0	0.0	0.0	-112.0	235.5	233.9	2.7
1.0	15.0	0.0	0.0	0.0	-159.3	320.7	320.6	8.4
1.0	15.0	0.0	2.0	0.0	-144.8	309.6	305.6	6.6
1.0	15.0	3.0	2.0	0.0	-167.6	355.2	351.2	10.8
1.0	15.0	3.0	2.0	0.0	-170.3	360.7	356.7	13.7
1.0	15.0	1.0	0.0	0.0	-171.7	345.5	345.4	11.6
1.0	15.0	0.0	2.0	0.0	-133.8	279.2	277.7	5.1
1.0	15.0	2.0	1.0	0.0	-179.6	379.2	375.2	23.3
1.0	15.0	2.0	1.0	0.0	-156.3	332.6	328.6	15.9
1.0	15.0	0.0	1.0	0.0	-154.1	319.8	318.2	7.7
0.7	15.0	3.0	1.0	0.0	-144.8	309.6	305.6	5.7
1.0	15.0	2.0	0.0	0.0	-160.2	340.4	336.4	20.7
1.0	15.0	2.0	0.0	0.0	-142.6	305.1	301.1	14.0
1.0	15.0	0.0	0.0	0.0	-184.6	371.3	371.2	13.8
1.0	15.0	0.0	0.0	0.0	-130.1	262.4	262.3	4.5
1.0	15.0	1.0	0.0	0.0	-153.0	317.5	315.9	7.3
1.0	15.0	1.0	0.0	0.0	-119.4	250.3	248.8	3.4
1.0	15.0	0.0	0.0	0.0	-148.0	298.0	297.9	7.1
0.8	15.0	0.0	3.0	0.0	-135.1	290.2	286.2	6.4
1.0	15.0	4.0	0.0	0.0	-148.3	316.6	312.6	6.4
1.0	15.0	4.0	0.0	0.0	-134.6	289.2	285.2	5.2
1.0	15.0	0.0	3.0	0.0	-138.3	288.1	286.6	5.9
1.0	15.0	1.0	3.0	0.0	-147.9	315.8	311.8	11.0
1.0	15.0	3.0	2.0	0.0	-164.9	349.9	345.9	17.1
1.0	15.0	3.0	1.0	0.0	-143.6	307.1	303.1	11.9
1.0	15.0	0.0	3.0	0.0	-144.3	300.2	298.6	6.2
1.0	15.0	0.0	2.0	0.0	-105.8	223.1	221.5	2.4
1.0	15.0	2.0	0.0	0.0	-136.6	284.7	283.1	20.6
1.0	15.0	2.0	0.0	0.0	-138.7	288.9	287.4	36.6
1.0	15.0	0.0	2.0	0.0	-154.0	319.5	317.9	7.4
1.0	15.0	0.0	0.0	0.0	-111.6	225.3	225.2	2.8
1.0	15.0	1.0	0.0	0.0	-153.8	319.2	317.7	9.2
1.0	15.0	2.0	0.0	0.0	-118.3	248.1	246.6	5.0
1.0	15.0	0.0	0.0	0.0	-154.9	312.0	311.9	7.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-148.8	299.7	299.6	6.9
1.0	15.0	3.0	0.0	0.0	-169.8	351.1	349.6	11.3
1.0	15.0	3.0	0.0	0.0	-164.3	340.1	338.6	10.5
1.0	15.0	0.0	0.0	0.0	-132.4	266.8	266.7	5.1
1.0	15.0	0.0	2.0	0.0	-119.4	250.3	248.8	4.3
1.0	15.0	0.0	2.0	0.0	-143.7	298.9	297.4	10.0
0.9	15.0	1.0	0.0	0.0	-131.1	282.3	278.3	11.4
1.0	15.0	0.0	1.0	0.0	-143.9	299.4	297.9	6.5
1.0	15.0	0.0	2.0	0.0	-143.2	297.9	296.4	11.9
1.0	15.0	2.0	1.0	0.0	-173.4	366.9	362.9	31.2
1.0	15.0	2.0	1.0	0.0	-167.1	354.2	350.2	24.6
1.0	15.0	0.0	1.0	0.0	-147.9	307.4	305.9	7.5
1.0	15.0	0.0	2.0	0.0	-111.4	234.4	232.9	3.0
1.0	15.0	0.0	0.0	0.0	-60.1	122.3	122.2	0.8
1.0	15.0	1.0	0.0	0.0	-79.5	170.6	169.0	4.6
1.0	15.0	1.0	1.0	0.0	-158.8	329.2	327.7	17.4
1.0	15.0	0.0	2.0	0.0	-144.8	301.2	299.7	6.5
1.0	15.0	0.0	0.0	0.0	-114.5	231.0	230.9	6.3
1.0	15.0	2.0	0.0	0.0	-115.7	243.0	241.5	6.8
1.0	15.0	0.0	2.0	0.0	-164.6	340.7	339.1	8.5
1.0	15.0	0.0	0.0	0.0	-141.0	284.2	284.1	5.6
1.0	15.0	1.0	0.0	0.0	-152.3	316.1	314.5	7.7
1.0	15.0	2.0	0.0	0.0	-121.6	254.7	253.2	4.5
1.0	15.0	0.0	0.0	0.0	-179.5	361.2	361.1	12.4
1.0	15.0	0.0	0.0	0.0	-117.6	237.2	237.1	3.2
0.8	15.0	2.0	0.0	0.0	-152.0	315.5	313.9	7.4
1.0	15.0	0.0	0.0	0.0	-134.8	271.8	271.7	5.6
1.0	15.0	0.0	0.0	0.0	-157.4	316.8	316.7	7.6
1.0	15.0	0.0	0.0	0.0	-134.3	270.7	270.6	5.2
1.0	15.0	3.0	0.0	0.0	-179.4	370.3	368.7	13.4
1.0	15.0	3.0	0.0	0.0	-138.7	288.9	287.3	7.5
1.0	15.0	0.0	0.0	0.0	-150.0	302.2	302.1	6.9
1.0	15.0	0.0	1.0	0.0	-121.6	254.7	253.2	3.6
1.0	15.0	3.0	0.0	0.0	-166.7	345.0	343.5	15.4
1.0	15.0	2.0	0.0	0.0	-124.0	259.5	258.0	7.7
1.0	15.0	0.0	0.0	0.0	-151.0	304.1	304.0	7.1
1.0	15.0	0.0	0.0	0.0	-123.8	249.8	249.7	3.8
1.0	15.0	3.0	0.0	0.0	-173.9	359.4	357.8	12.5
1.0	15.0	2.0	0.0	0.0	-128.0	267.5	266.0	6.3
1.0	15.0	0.0	0.0	0.0	-141.8	285.7	285.6	5.9
0.8	15.0	0.0	6.0	0.0	-121.4	262.9	258.9	3.5
1.0	15.0	6.0	0.0	0.0	-176.7	364.9	363.3	13.4
1.0	15.0	6.0	0.0	0.0	-139.2	290.0	288.5	5.5
1.0	15.0	1.0	0.0	0.0	-177.8	357.7	357.6	13.8
1.0	15.0	0.0	2.0	0.0	-112.8	237.2	235.6	2.6
1.0	15.0	1.0	0.0	0.0	-113.3	246.5	242.5	4.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.7	15.0	2.0	0.0	0.0	-104.3	228.5	224.5	2.7
1.0	15.0	0.0	1.0	0.0	-184.5	371.1	371.0	13.5
1.0	15.0	0.0	2.0	0.0	-123.4	258.4	256.8	6.0
1.0	15.0	2.0	1.0	0.0	-138.6	297.3	293.3	11.2
1.0	15.0	2.0	1.0	0.0	-122.9	265.8	261.8	4.9
1.0	15.0	0.0	0.0	0.0	-176.6	355.4	355.3	11.9
1.0	15.0	0.0	2.0	0.0	-134.4	280.3	278.7	7.3
0.8	15.0	3.0	0.0	0.0	-151.7	314.8	313.3	10.6
1.0	15.0	3.0	0.0	0.0	-137.7	287.0	285.4	6.9
1.0	15.0	0.0	1.0	0.0	-152.1	306.3	306.2	14.5
1.0	15.0	0.0	1.0	0.0	-121.8	255.1	253.5	9.5
1.0	15.0	0.0	0.0	0.0	-147.2	296.6	296.5	6.3
1.0	15.0	1.0	0.0	0.0	-125.0	261.6	260.1	9.6
1.0	15.0	0.0	1.0	0.0	-173.0	357.5	356.0	12.4
1.0	15.0	0.0	1.0	0.0	-154.2	319.9	318.3	8.2
1.0	15.0	0.0	1.0	0.0	-104.8	221.2	219.7	2.0
1.0	15.0	1.0	0.0	0.0	-129.3	270.2	268.7	7.7
1.0	15.0	0.0	2.0	0.0	-170.2	351.9	350.4	9.8
1.0	15.0	0.0	1.0	0.0	-144.6	300.8	299.2	6.7
1.0	15.0	0.0	0.0	0.0	-81.9	165.9	165.8	2.3
1.0	15.0	1.0	0.0	0.0	-117.4	246.3	244.7	9.7
1.0	15.0	0.0	2.0	0.0	-181.7	374.9	373.3	13.2
1.0	15.0	0.0	1.0	0.0	-126.1	263.8	262.3	3.9
1.0	15.0	0.0	0.0	0.0	-74.3	150.7	150.6	1.6
1.0	15.0	1.0	0.0	0.0	-63.3	138.1	136.6	0.5
1.0	15.0	0.0	1.0	0.0	-137.4	286.3	284.7	7.2
1.0	15.0	0.0	1.0	0.0	-125.5	262.6	261.1	7.2
1.0	15.0	0.0	1.0	0.0	-110.5	232.5	230.9	7.4
1.0	15.0	1.0	0.0	0.0	-118.6	248.7	247.2	7.4
1.0	15.0	0.0	1.0	0.0	-150.3	312.1	310.5	11.2
1.0	15.0	0.0	2.0	0.0	-125.9	263.3	261.7	4.2
1.0	15.0	0.0	0.0	0.0	-160.6	323.3	323.2	10.1
1.0	15.0	1.0	0.0	0.0	-154.1	319.7	318.2	13.1
1.0	15.0	0.0	1.0	0.0	-130.6	263.4	263.3	6.0
1.0	15.0	0.0	1.0	0.0	-131.5	274.6	273.1	5.4
1.0	15.0	2.0	1.0	0.0	-183.4	386.8	382.8	25.6
1.0	15.0	2.0	1.0	0.0	-150.0	319.9	315.9	13.4
1.0	15.0	0.0	1.0	0.0	-154.8	321.2	319.7	8.2
1.0	15.0	0.0	2.0	0.0	-124.5	260.6	259.1	4.0
0.6	15.0	1.0	0.0	0.0	-114.8	241.1	239.5	8.3
1.0	15.0	1.0	0.0	0.0	-97.2	205.9	204.3	5.5
1.0	15.0	1.0	0.0	0.0	-204.5	411.1	411.0	22.3
1.0	15.0	0.0	2.0	0.0	-129.1	269.8	268.3	4.1
1.0	15.0	0.0	0.0	0.0	-113.5	229.1	229.0	3.0
1.0	15.0	1.0	0.0	0.0	-100.5	212.5	211.0	1.8
1.0	15.0	0.0	0.0	0.0	-154.7	311.4	311.3	7.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-118.4	238.8	238.7	4.2
1.0	15.0	2.0	0.0	0.0	-134.4	280.2	278.7	4.9
1.0	15.0	2.0	0.0	0.0	-108.8	229.1	227.6	3.9
1.0	15.0	0.0	0.0	0.0	-141.5	285.1	285.0	5.4
1.0	15.0	0.0	0.0	0.0	-127.7	257.5	257.4	4.3
1.0	15.0	2.0	0.0	0.0	-165.3	342.1	340.5	10.0
1.0	15.0	1.0	0.0	0.0	-120.1	251.7	250.2	5.6
1.0	15.0	0.0	0.0	0.0	-154.3	310.8	310.7	7.2
1.0	15.0	0.0	0.0	0.0	-130.9	264.0	263.9	5.2
1.0	15.0	1.0	0.0	0.0	-178.6	368.7	367.1	13.8
1.0	15.0	1.0	0.0	0.0	-134.1	279.8	278.2	4.9
1.0	15.0	0.0	0.0	0.0	-157.0	316.0	315.9	8.4
1.0	15.0	0.0	2.0	0.0	-117.9	247.4	245.8	3.4
1.0	15.0	2.0	0.0	0.0	-127.1	265.7	264.1	4.5
1.0	15.0	2.0	0.0	0.0	-119.6	250.7	249.2	4.5
1.0	15.0	0.0	0.0	0.0	-125.2	252.5	252.4	4.1
1.0	15.0	0.0	4.0	0.0	-125.8	263.1	261.6	4.2
0.6	15.0	6.0	0.0	0.0	-170.1	360.2	356.2	10.8
1.0	15.0	5.0	0.0	0.0	-152.3	316.2	314.7	8.8
1.0	15.0	0.0	0.0	0.0	-161.1	324.3	324.2	8.4
0.9	15.0	0.0	1.0	0.0	-136.4	284.3	282.8	4.6
1.0	15.0	2.0	0.0	0.0	-109.1	229.7	228.2	4.6
1.0	15.0	2.0	0.0	0.0	-106.7	225.0	223.5	3.4
1.0	15.0	0.0	0.0	0.0	-179.0	360.1	360.0	13.8
1.0	15.0	0.0	0.0	0.0	-129.4	260.9	260.8	5.3
0.6	15.0	4.0	0.0	0.0	-170.8	361.6	357.6	11.7
1.0	15.0	2.0	0.0	0.0	-128.3	276.6	272.6	5.7
1.0	15.0	0.0	1.0	0.0	-163.3	328.8	328.7	10.8
1.0	15.0	0.0	3.0	0.0	-122.6	256.8	255.2	4.1
1.0	15.0	3.0	1.0	0.0	-112.8	245.6	241.6	3.0
1.0	15.0	2.0	0.0	0.0	-121.4	254.4	252.9	4.4
1.0	15.0	0.0	0.0	0.0	-159.1	320.3	320.2	7.8
1.0	15.0	0.0	0.0	0.0	-128.3	258.8	258.7	4.6
1.0	15.0	3.0	0.0	0.0	-155.9	323.4	321.9	12.0
1.0	15.0	2.0	0.0	0.0	-136.0	283.5	281.9	5.4
1.0	15.0	0.0	0.0	0.0	-144.1	290.3	290.2	6.2
1.0	15.0	0.0	0.0	0.0	-134.4	270.9	270.8	5.6
1.0	15.0	4.0	0.0	0.0	-176.4	364.3	362.8	12.6
1.0	15.0	1.0	0.0	0.0	-130.7	272.9	271.3	5.1
1.0	15.0	0.0	0.0	0.0	-146.4	294.9	294.8	6.3
1.0	15.0	0.0	3.0	0.0	-144.5	300.5	299.0	7.6
1.0	15.0	3.0	0.0	0.0	-157.9	335.8	331.8	13.2
1.0	15.0	3.0	0.0	0.0	-144.4	308.9	304.9	6.9
1.0	15.0	0.0	0.0	0.0	-173.3	348.6	348.5	14.0
1.0	15.0	0.0	1.0	0.0	-132.3	276.1	274.6	6.0
0.7	15.0	1.0	1.0	0.0	-169.7	359.4	355.4	29.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	2.0	0.0	0.0	-121.3	262.5	258.5	7.2
1.0	15.0	0.0	1.0	0.0	-144.5	300.4	298.9	10.0
1.0	15.0	0.0	1.0	0.0	-118.4	248.3	246.8	3.5
0.7	15.0	2.0	0.0	0.0	-142.3	304.5	300.5	10.4
0.5	15.0	2.0	0.0	0.0	-132.6	285.1	281.1	8.0
1.0	15.0	0.0	0.0	0.0	-138.1	278.3	278.2	5.3
1.0	15.0	0.0	0.0	0.0	-146.2	294.4	294.3	6.6
1.0	15.0	2.0	0.0	0.0	-112.6	227.4	227.3	9.2
0.6	15.0	2.0	0.0	0.0	-107.2	225.9	224.3	3.9
1.0	15.0	0.0	2.0	0.0	-183.4	368.9	368.8	12.7
1.0	15.0	0.0	0.0	0.0	-143.8	289.8	289.7	5.9
0.6	15.0	4.0	0.0	0.0	-185.9	391.8	387.8	14.7
1.0	15.0	2.0	0.0	0.0	-142.0	295.5	294.0	6.1
1.0	15.0	0.0	0.0	0.0	-149.0	300.2	300.1	7.2
1.0	15.0	0.0	3.0	0.0	-137.9	287.3	285.7	5.8
1.0	15.0	0.0	4.0	0.0	-147.3	306.2	304.6	7.0
1.0	15.0	1.0	3.0	0.0	-131.9	283.9	279.9	4.8
1.0	15.0	0.0	3.0	0.0	-154.2	319.9	318.4	14.9
1.0	15.0	0.0	3.0	0.0	-141.7	295.0	293.4	6.3
1.0	15.0	0.0	3.0	0.0	-190.8	393.2	391.6	36.3
1.0	15.0	1.0	2.0	0.0	-130.2	280.5	276.5	7.5
1.0	15.0	0.0	3.0	0.0	-150.9	313.3	311.7	11.4
1.0	15.0	0.0	3.0	0.0	-136.6	284.8	283.2	10.7
1.0	15.0	0.0	0.0	0.0	-61.1	124.3	124.2	0.8
1.0	15.0	2.0	0.0	0.0	-97.2	205.9	204.4	11.4
1.0	15.0	1.0	3.0	0.0	-134.8	289.6	285.6	11.9
1.0	15.0	0.0	2.0	0.0	-142.1	295.7	294.2	6.3
0.9	15.0	2.0	0.0	0.0	-106.2	224.0	222.4	3.2
1.0	15.0	2.0	0.0	0.0	-109.2	229.9	228.3	4.0
1.0	15.0	0.0	3.0	0.0	-161.0	333.6	332.1	10.2
1.0	15.0	0.0	2.0	0.0	-151.0	313.6	312.1	8.9
1.0	15.0	0.0	0.0	0.0	-77.3	156.7	156.6	1.2
1.0	15.0	1.0	0.0	0.0	-67.6	146.6	145.1	0.8
1.0	15.0	0.0	1.0	0.0	-146.9	305.4	303.8	8.8
1.0	15.0	0.0	2.0	0.0	-104.0	219.6	218.0	1.9
1.0	15.0	0.0	0.0	0.0	-100.8	203.6	203.5	2.7
1.0	15.0	1.0	0.0	0.0	-108.6	228.8	227.3	3.8
1.0	15.0	0.0	2.0	0.0	-143.3	298.1	296.5	6.3
1.0	15.0	0.0	0.0	0.0	-125.0	252.2	252.1	4.5
0.8	15.0	2.0	0.0	0.0	-181.4	374.3	372.8	16.5
1.0	15.0	2.0	0.0	0.0	-125.2	261.9	260.4	4.8
1.0	15.0	0.0	0.0	0.0	-154.6	311.4	311.3	7.4
1.0	15.0	0.0	0.0	0.0	-118.3	238.6	238.5	3.0
1.0	15.0	1.0	0.0	0.0	-146.2	303.9	302.3	7.9
1.0	15.0	1.0	0.0	0.0	-96.0	203.5	201.9	2.2
1.0	15.0	0.0	0.0	0.0	-128.0	258.1	258.0	3.7

win.prb	ncnc	up.rmids	dn.rmids	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	7.0	0.0	-161.8	335.1	333.5	10.2
0.8	15.0	3.0	3.0	0.0	-198.9	417.8	413.8	34.6
0.8	15.0	4.0	0.0	0.0	-196.1	412.2	408.2	33.8
1.0	15.0	3.0	0.0	0.0	-162.7	345.5	341.5	10.9
1.0	15.0	0.0	0.0	0.0	-139.7	281.4	281.3	5.8
0.7	15.0	0.0	1.0	0.0	-182.4	376.3	374.7	20.9
1.0	15.0	5.0	1.0	0.0	-161.9	343.9	339.9	12.3
0.8	15.0	0.0	1.0	0.0	-195.8	393.8	393.7	21.9
1.0	15.0	0.0	3.0	0.0	-146.6	313.1	309.1	7.6
1.0	15.0	4.0	0.0	0.0	-145.5	311.1	307.1	9.0
0.6	15.0	5.0	0.0	0.0	-139.2	298.4	294.4	6.0
1.0	15.0	0.0	9.0	0.0	-181.8	383.5	379.5	16.9
1.0	15.0	0.0	0.0	0.0	-126.9	255.8	255.7	11.8
1.0	15.0	2.0	0.0	0.0	-154.9	321.4	319.8	15.4
1.0	15.0	2.0	0.0	0.0	-125.2	262.0	260.5	6.0
1.0	15.0	0.0	0.0	0.0	-192.2	386.4	386.3	22.2
1.0	15.0	0.0	0.0	0.0	-126.1	254.3	254.2	6.8
1.0	15.0	3.0	1.0	0.0	-134.9	281.4	279.9	4.9
0.6	15.0	2.0	0.0	0.0	-132.2	284.4	280.4	5.2
1.0	15.0	0.0	0.0	0.0	-121.8	245.6	245.5	4.8
1.0	15.0	0.0	0.0	0.0	-139.1	280.3	280.3	6.0
1.0	15.0	3.0	0.0	0.0	-157.6	326.8	325.3	21.2
1.0	15.0	3.0	0.0	0.0	-136.7	284.9	283.4	7.0
1.0	15.0	0.0	0.0	0.0	-173.1	348.4	348.3	12.0
1.0	15.0	0.0	0.0	0.0	-99.7	201.4	201.3	3.4
1.0	15.0	3.0	0.0	0.0	-157.3	326.0	324.5	12.7
1.0	15.0	1.0	0.0	0.0	-125.3	262.1	260.6	4.7
1.0	15.0	0.0	0.0	0.0	-155.0	312.0	311.9	8.2
1.0	15.0	0.0	0.0	0.0	-120.4	242.9	242.8	4.3
1.0	15.0	4.0	0.0	0.0	-135.7	282.9	281.3	8.9
1.0	15.0	3.0	0.0	0.0	-115.5	242.6	241.1	3.1
1.0	15.0	0.0	0.0	0.0	-156.3	314.6	314.5	10.5
1.0	15.0	0.0	0.0	0.0	-93.0	188.2	188.1	3.0
1.0	15.0	2.0	0.0	0.0	-83.0	177.5	175.9	1.8
1.0	15.0	3.0	0.0	0.0	-68.3	148.2	146.7	0.6
1.0	15.0	0.0	0.0	0.0	-129.7	261.5	261.4	4.2
1.0	15.0	0.0	0.0	0.0	-127.3	256.8	256.7	4.2
1.0	15.0	2.0	0.0	0.0	-124.9	261.3	259.8	6.7
1.0	15.0	2.0	0.0	0.0	-111.7	234.9	233.3	3.8
1.0	15.0	0.0	0.0	0.0	-177.1	356.2	356.1	12.3
1.0	15.0	0.0	0.0	0.0	-117.2	236.4	236.3	3.0
1.0	15.0	3.0	0.0	0.0	-117.9	247.3	245.8	4.2
1.0	15.0	2.0	0.0	0.0	-114.3	240.2	238.6	3.5
1.0	15.0	0.0	0.0	0.0	-156.6	315.4	315.3	7.9
1.0	15.0	0.0	0.0	0.0	-112.2	226.5	226.4	3.1
0.9	15.0	3.0	0.0	0.0	-150.3	312.2	310.6	6.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-121.4	254.3	252.7	4.7
1.0	15.0	0.0	0.0	0.0	-151.4	304.8	304.7	6.7
1.0	15.0	0.0	3.0	0.0	-124.2	260.0	258.5	4.3
1.0	15.0	0.0	0.0	0.0	-157.0	316.2	316.1	8.5
1.0	15.0	4.0	0.0	0.0	-148.7	308.9	307.4	7.1
1.0	15.0	0.0	0.0	0.0	-125.1	252.4	252.3	4.0
1.0	15.0	0.0	4.0	0.0	-122.8	257.1	255.6	3.7
1.0	15.0	0.0	1.0	0.0	-138.3	278.7	278.6	6.9
1.0	15.0	4.0	0.0	0.0	-106.6	224.8	223.2	3.1
1.0	15.0	0.0	0.0	0.0	-142.0	286.0	285.9	5.2
1.0	15.0	0.0	3.0	0.0	-109.5	230.5	228.9	2.4
1.0	15.0	0.0	0.0	0.0	-67.5	137.1	137.0	1.2
1.0	15.0	2.0	0.0	0.0	-80.5	172.5	171.0	1.8
1.0	15.0	0.0	0.0	0.0	-108.2	218.5	218.4	2.7
1.0	15.0	0.0	2.0	0.0	-128.9	269.4	267.9	4.2
1.0	15.0	0.0	0.0	0.0	-67.9	137.9	137.9	1.1
1.0	15.0	2.0	0.0	0.0	-108.5	228.5	227.0	3.7
1.0	15.0	0.0	0.0	0.0	-153.6	309.3	309.2	7.5
1.0	15.0	0.0	2.0	0.0	-125.8	263.2	261.7	4.2
1.0	15.0	0.0	0.0	0.0	-89.2	180.5	180.4	1.7
1.0	15.0	3.0	0.0	0.0	-105.6	222.6	221.1	2.1
1.0	15.0	0.0	0.0	0.0	-171.1	344.3	344.2	12.8
1.0	15.0	0.0	2.0	0.0	-110.0	231.6	230.0	2.4
1.0	15.0	0.0	0.0	0.0	-78.3	158.8	158.7	1.4
1.0	15.0	3.0	0.0	0.0	-69.3	150.1	148.6	0.8
1.0	15.0	0.0	0.0	0.0	-126.2	254.4	254.3	4.2
1.0	15.0	0.0	1.0	0.0	-735.9	1481.9	1481.7	3.7
1.0	15.0	1.0	0.0	0.0	-858.7	1727.7	1727.4	6.8
1.0	15.0	1.0	0.0	0.0	-817.7	1645.7	1645.4	7.0
1.0	15.0	0.0	0.0	0.0	-780.8	1563.5	1563.5	5.2
1.0	15.0	0.0	1.0	0.0	-558.7	1127.7	1127.3	5.7
1.0	15.0	1.0	0.0	0.0	-580.6	1171.5	1171.1	6.5
1.0	15.0	1.0	0.0	0.0	-545.8	1102.0	1101.6	5.6
1.0	15.0	0.0	0.0	0.0	-557.5	1117.0	1116.9	6.4
1.0	15.0	0.0	1.0	0.0	-750.1	1510.3	1510.1	4.1
1.0	15.0	1.0	0.0	0.0	-986.7	1983.7	1983.5	11.2
1.0	15.0	1.0	0.0	0.0	-952.9	1916.0	1915.8	12.5
1.0	15.0	0.0	0.0	0.0	-814.1	1630.2	1630.2	5.4
1.0	15.0	0.0	0.0	0.0	-125.6	253.3	253.2	4.7
1.0	15.0	5.0	0.0	0.0	-168.4	348.3	346.8	12.1
0.9	15.0	4.0	0.0	0.0	-141.7	294.9	293.4	5.5
1.0	15.0	0.0	0.0	0.0	-161.3	324.8	324.7	8.6
0.6	15.0	2.0	0.0	0.0	-123.4	266.9	262.9	3.7
1.0	15.0	3.0	2.0	0.0	-144.2	308.5	304.5	5.6
1.0	15.0	3.0	2.0	0.0	-137.1	294.2	290.2	5.1
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	7.9



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-157.5	326.6	325.0	12.2
1.0	15.0	4.0	3.0	0.0	-203.8	427.7	423.7	27.4
1.0	15.0	3.0	3.0	0.0	-168.2	356.5	352.5	17.1
1.0	15.0	0.0	3.0	0.0	-154.0	319.6	318.0	13.4
1.0	15.0	0.0	2.0	0.0	-133.8	279.1	277.6	4.7
1.0	15.0	2.0	0.0	0.0	-95.2	210.4	206.4	3.1
1.0	15.0	2.0	0.0	0.0	-96.1	203.7	202.1	2.8
1.0	15.0	0.0	5.0	0.0	-151.9	315.3	313.8	9.0
1.0	15.0	1.0	3.0	0.0	-118.0	256.1	252.1	4.0
1.0	15.0	4.0	0.0	0.0	-150.7	321.4	317.4	30.6
1.0	15.0	4.0	1.0	0.0	-164.6	349.1	345.1	50.1
1.0	15.0	1.0	0.0	0.0	-182.4	366.9	366.8	14.7
1.0	15.0	0.0	2.0	0.0	-113.8	239.1	237.5	2.9
1.0	15.0	2.0	0.0	0.0	-129.3	270.1	268.5	4.9
1.0	15.0	2.0	0.0	0.0	-131.3	274.1	272.6	6.9
1.0	15.0	0.0	0.0	0.0	-119.4	240.9	240.8	3.3
1.0	15.0	0.0	3.0	0.0	-128.6	268.7	267.2	4.3
0.5	15.0	3.0	0.0	0.0	-155.8	331.7	327.7	10.5
1.0	15.0	3.0	0.0	0.0	-136.7	285.0	283.5	7.0
1.0	15.0	0.0	0.0	0.0	-163.6	329.4	329.3	9.3
0.9	15.0	0.0	4.0	0.0	-125.8	263.1	261.5	4.2
1.0	15.0	1.0	0.0	0.0	-110.7	241.3	237.3	5.7
0.9	15.0	3.0	0.0	0.0	-115.2	250.3	246.3	5.5
1.0	15.0	0.0	2.0	0.0	-176.6	355.3	355.2	12.3
1.0	15.0	0.0	2.0	0.0	-155.0	321.5	320.0	7.3
1.0	15.0	2.0	0.0	0.0	-156.5	324.6	323.0	7.9
1.0	15.0	2.0	0.0	0.0	-152.6	316.7	315.2	8.4
1.0	15.0	0.0	0.0	0.0	-132.6	267.4	267.3	4.6
1.0	15.0	0.0	0.0	0.0	-163.4	328.9	328.8	8.3
1.0	15.0	1.0	0.0	0.0	-176.5	364.4	362.9	13.7
1.0	15.0	2.0	0.0	0.0	-125.7	263.0	261.4	5.0
1.0	15.0	0.0	0.0	0.0	-149.9	302.0	301.9	7.0
1.0	15.0	0.0	0.0	0.0	-143.5	289.0	288.9	5.7
1.0	15.0	3.0	0.0	0.0	-125.3	262.2	260.6	7.1
1.0	15.0	3.0	0.0	0.0	-120.0	251.4	249.9	5.5
1.0	15.0	0.0	0.0	0.0	-194.2	390.5	390.4	16.6
1.0	15.0	0.0	2.0	0.0	-115.1	241.8	240.3	2.8
0.5	15.0	2.0	0.0	0.0	-123.5	267.1	263.1	5.2
1.0	15.0	2.0	0.0	0.0	-120.8	253.1	251.5	5.5
1.0	15.0	0.0	0.0	0.0	-141.5	285.0	285.0	6.5
1.0	15.0	0.0	1.0	0.0	-131.3	274.2	272.6	4.9
1.0	15.0	1.0	2.0	0.0	-158.7	337.5	333.5	17.0
0.9	15.0	2.0	0.0	0.0	-134.8	281.1	279.6	7.6
1.0	15.0	0.0	2.0	0.0	-161.3	334.1	332.6	8.6
0.9	15.0	0.0	3.0	0.0	-135.0	281.5	279.9	4.8
0.9	15.0	3.0	0.0	0.0	-123.6	267.3	263.3	10.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	3.0	0.0	0.0	-118.9	257.8	253.8	7.1
1.0	15.0	0.0	0.0	0.0	-147.5	297.1	297.0	6.6
1.0	15.0	0.0	2.0	0.0	-117.9	247.3	245.7	4.6
1.0	15.0	2.0	1.0	0.0	-162.3	344.6	340.6	15.3
1.0	15.0	2.0	0.0	0.0	-156.8	333.6	329.6	15.6
1.0	15.0	0.0	0.0	0.0	-134.7	271.5	271.4	4.9
1.0	15.0	0.0	2.0	0.0	-113.4	238.4	236.9	4.4
1.0	15.0	0.0	0.0	0.0	-60.0	122.0	121.9	0.8
1.0	15.0	1.0	0.0	0.0	-86.4	184.3	182.8	11.3
1.0	15.0	0.0	2.0	0.0	-142.6	296.7	295.1	8.1
1.0	15.0	0.0	0.0	0.0	-118.3	238.8	238.7	4.0
1.0	15.0	4.0	0.0	0.0	-136.6	284.7	283.1	8.5
1.0	15.0	4.0	0.0	0.0	-123.7	259.0	257.5	6.0
1.0	15.0	0.0	0.0	0.0	-186.9	375.9	375.8	16.6
1.0	15.0	0.0	1.0	0.0	-114.4	240.2	238.7	2.7
1.0	15.0	1.0	0.0	0.0	-115.7	243.0	241.4	3.0
1.0	15.0	1.0	0.0	0.0	-107.7	227.0	225.4	2.4
1.0	15.0	0.0	0.0	0.0	-134.1	270.3	270.2	5.3
1.0	15.0	0.0	2.0	0.0	-128.1	267.8	266.2	4.5
1.0	15.0	5.0	0.0	0.0	-166.6	344.7	343.1	11.8
1.0	15.0	4.0	0.0	0.0	-135.4	282.2	280.7	7.0
1.0	15.0	0.0	0.0	0.0	-147.6	297.2	297.1	8.9
1.0	15.0	0.0	0.0	0.0	-120.4	242.9	242.8	4.2
1.0	15.0	3.0	0.0	0.0	-124.7	261.0	259.4	7.5
0.9	15.0	3.0	0.0	0.0	-120.7	252.9	251.3	6.4
1.0	15.0	0.0	0.0	0.0	-162.6	327.3	327.2	9.9
0.5	15.0	0.0	1.0	0.0	-118.2	247.8	246.3	4.0
1.0	15.0	1.0	0.0	0.0	-142.0	295.6	294.0	9.9
1.0	15.0	1.0	0.0	0.0	-137.8	287.1	285.5	9.6
1.0	15.0	0.0	0.0	0.0	-147.4	297.0	296.9	6.0
1.0	15.0	0.0	3.0	0.0	-123.1	257.8	256.3	3.9
1.0	15.0	6.0	0.0	0.0	-159.4	330.3	328.7	10.6
1.0	15.0	5.0	0.0	0.0	-140.0	291.6	290.1	8.6
1.0	15.0	0.0	0.0	0.0	-148.1	298.4	298.3	7.5
1.0	15.0	0.0	0.0	0.0	-118.9	239.8	239.7	3.8
1.0	15.0	4.0	0.0	0.0	-125.2	261.9	260.4	8.6
1.0	15.0	3.0	0.0	0.0	-114.3	240.1	238.6	6.4
1.0	15.0	0.0	0.0	0.0	-158.6	319.4	319.3	7.9
1.0	15.0	0.0	1.0	0.0	-116.3	244.2	242.7	3.3
1.0	15.0	2.0	1.0	0.0	-139.0	298.0	294.0	5.8
1.0	15.0	3.0	0.0	0.0	-123.8	259.2	257.7	4.1
1.0	15.0	0.0	1.0	0.0	-128.3	268.2	266.6	6.1
1.0	15.0	0.0	2.0	0.0	-110.6	232.7	231.2	5.7
1.0	15.0	0.0	0.0	0.0	-56.8	115.7	115.6	0.8
1.0	15.0	1.0	0.0	0.0	-92.9	197.2	195.7	8.6
1.0	15.0	0.0	1.0	0.0	-130.7	272.9	271.4	10.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-129.2	270.0	268.5	6.1
1.0	15.0	0.0	0.0	0.0	-90.2	182.4	182.3	2.2
1.0	15.0	2.0	0.0	0.0	-117.5	246.6	245.0	19.4
1.0	15.0	0.0	3.0	0.0	-184.5	380.5	379.0	14.4
1.0	15.0	0.0	1.0	0.0	-133.5	278.6	277.1	6.6
1.0	15.0	0.0	0.0	0.0	-80.0	162.1	162.0	12.7
0.8	15.0	1.0	0.0	0.0	-75.9	163.4	161.9	6.5
1.0	15.0	0.0	1.0	0.0	-155.5	322.4	320.9	7.4
1.0	15.0	0.0	2.0	0.0	-121.5	254.6	253.0	5.4
1.0	15.0	0.0	2.0	0.0	-102.8	217.2	215.7	2.2
1.0	15.0	2.0	0.0	0.0	-121.9	255.4	253.9	11.7
1.0	15.0	0.0	2.0	0.0	-161.0	333.5	331.9	10.2
0.9	15.0	0.0	3.0	0.0	-916.9	1844.0	1843.8	4.6
1.0	15.0	5.0	0.0	0.0	-1283.3	2583.1	2582.6	17.1
1.0	15.0	5.0	0.0	0.0	-1095.6	2207.6	2207.2	9.3
1.0	15.0	0.0	0.0	0.0	-1086.7	2175.5	2175.5	8.2
1.0	15.0	0.0	0.0	0.0	-906.8	1815.5	1815.5	4.5
1.0	15.0	2.0	0.0	0.0	-786.3	1582.8	1582.7	3.4
1.0	15.0	3.0	0.0	0.0	-779.1	1568.4	1568.2	3.2
1.0	15.0	0.0	0.0	0.0	-1171.2	2344.5	2344.4	10.6
1.0	15.0	0.0	4.0	0.0	-511.1	1032.6	1032.3	3.9
0.8	15.0	5.0	0.0	0.0	-672.1	1361.0	1360.2	11.9
0.6	15.0	5.0	0.0	0.0	-558.8	1134.4	1133.5	6.2
1.0	15.0	0.0	0.0	0.0	-646.5	1295.1	1295.0	8.7
1.0	15.0	0.0	0.0	0.0	-538.3	1078.6	1078.6	5.6
1.0	15.0	3.0	0.0	0.0	-431.0	872.3	872.0	2.7
1.0	15.0	2.0	0.0	0.0	-416.1	842.5	842.1	2.6
1.0	15.0	0.0	0.0	0.0	-730.1	1462.2	1462.2	14.2
1.0	15.0	0.0	4.0	0.0	-770.1	1556.8	1556.2	4.4
1.0	15.0	6.0	0.0	0.0	-1082.1	2174.5	2174.3	15.5
1.0	15.0	5.0	0.0	0.0	-927.8	1865.7	1865.5	9.8
1.0	15.0	0.0	0.0	0.0	-1017.5	2037.0	2036.9	10.5
1.0	15.0	0.0	0.0	0.0	-708.3	1418.7	1418.7	4.1
0.5	15.0	2.0	0.0	0.0	-628.8	1274.2	1273.7	4.0
0.8	15.0	3.0	0.0	0.0	-657.3	1324.8	1324.6	3.1
1.0	15.0	0.0	0.0	0.0	-1023.4	2048.8	2048.8	10.4
1.0	15.0	0.0	3.0	0.0	-148.8	309.2	307.6	8.1
1.0	15.0	4.0	1.0	0.0	-143.7	307.4	303.4	13.2
1.0	15.0	4.0	0.0	0.0	-141.5	303.0	299.0	12.0
1.0	15.0	0.0	3.0	0.0	-137.3	286.2	284.6	14.3
1.0	15.0	0.0	3.0	0.0	-127.3	266.2	264.7	5.9
1.0	15.0	5.0	1.0	0.0	-180.3	372.1	370.5	43.8
0.6	15.0	4.0	0.0	0.0	-147.0	314.0	310.0	21.3
1.0	15.0	0.0	1.0	0.0	-151.5	314.5	312.9	10.5
1.0	15.0	0.0	1.0	0.0	-135.2	282.0	280.4	7.5
1.0	15.0	1.0	1.0	0.0	-113.1	246.2	242.2	3.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-107.5	226.5	224.9	3.5
1.0	15.0	0.0	1.0	0.0	-163.7	339.0	337.4	8.6
1.0	15.0	0.0	6.0	0.0	-133.3	278.1	276.6	5.9
1.0	15.0	7.0	0.0	0.0	-193.7	407.5	403.5	26.3
1.0	15.0	6.0	0.0	0.0	-178.8	377.6	373.6	13.2
1.0	15.0	0.0	0.0	0.0	-176.5	355.0	355.0	16.9
1.0	15.0	0.0	0.0	0.0	-123.3	248.7	248.6	4.4
1.0	15.0	2.0	0.0	0.0	-162.7	337.0	335.4	10.9
1.0	15.0	2.0	0.0	0.0	-127.3	266.2	264.6	5.3
1.0	15.0	0.0	0.0	0.0	-153.9	309.8	309.8	7.5
1.0	15.0	0.0	0.0	0.0	-151.1	304.4	304.3	6.9
0.9	15.0	1.0	0.0	0.0	-168.8	349.2	347.6	15.3
1.0	15.0	1.0	0.0	0.0	-125.6	262.7	261.1	4.3
1.0	15.0	0.0	0.0	0.0	-179.3	360.6	360.5	11.3
1.0	15.0	0.0	0.0	0.0	-112.0	226.0	225.9	4.8
0.8	15.0	4.0	0.0	0.0	-160.6	332.8	331.3	8.7
1.0	15.0	2.0	0.0	0.0	-121.5	254.5	253.0	4.4
1.0	15.0	0.0	0.0	0.0	-153.5	309.1	309.0	7.3
1.0	15.0	0.0	0.0	0.0	-565.9	1133.8	1133.8	6.4
1.0	15.0	2.0	1.0	0.0	-674.4	1365.6	1364.7	24.5
1.0	15.0	2.0	0.0	0.0	-583.2	1183.3	1182.5	12.9
1.0	15.0	0.0	3.0	0.0	-645.5	1301.4	1301.0	8.5
1.0	15.0	0.0	0.0	0.0	-225.0	452.1	452.0	3.1
0.5	15.0	2.0	0.0	0.0	-216.0	449.7	447.9	2.3
1.0	15.0	2.0	0.0	0.0	-210.3	431.3	430.6	2.1
1.0	15.0	0.0	0.0	0.0	-299.5	601.1	601.1	6.3
1.0	15.0	0.0	0.0	0.0	-1039.8	2081.5	2081.5	7.2
1.0	15.0	2.0	0.0	0.0	-1285.7	2587.8	2587.4	16.7
1.0	15.0	3.0	0.0	0.0	-1127.0	2270.6	2270.1	11.6
1.0	15.0	0.0	3.0	0.0	-1218.1	2446.4	2446.2	12.5
1.0	15.0	0.0	2.0	0.0	-119.4	250.3	248.8	3.9
1.0	15.0	2.0	0.0	0.0	-130.2	271.8	270.3	5.6
1.0	15.0	2.0	0.0	0.0	-124.2	259.9	258.3	5.6
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.8	5.0
1.0	15.0	0.0	3.0	0.0	-125.1	261.8	260.2	3.7
1.0	15.0	4.0	0.0	0.0	-166.9	353.7	349.7	16.1
0.9	15.0	4.0	0.0	0.0	-140.3	292.2	290.6	8.9
1.0	15.0	0.0	1.0	0.0	-175.2	352.6	352.5	11.2
1.0	15.0	0.0	3.0	0.0	-111.2	233.9	232.4	2.7
1.0	15.0	2.0	0.0	0.0	-128.4	268.4	266.8	4.1
1.0	15.0	2.0	0.0	0.0	-125.9	263.4	261.9	4.2
1.0	15.0	0.0	0.0	0.0	-138.5	279.0	278.9	6.7
0.9	15.0	0.0	5.0	0.0	-136.5	284.5	282.9	5.4
1.0	15.0	6.0	0.0	0.0	-174.5	368.9	364.9	25.1
0.8	15.0	6.0	0.0	0.0	-155.1	330.3	326.3	13.2
1.0	15.0	0.0	0.0	0.0	-145.5	293.1	293.0	12.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	1.0	0.0	-123.0	257.6	256.1	3.6
1.0	15.0	3.0	0.0	0.0	-125.5	262.6	261.1	5.0
1.0	15.0	3.0	0.0	0.0	-115.0	241.5	239.9	4.0
1.0	15.0	0.0	0.0	0.0	-158.8	319.7	319.6	8.4
1.0	15.0	0.0	0.0	0.0	-113.5	229.1	229.0	2.8
1.0	15.0	1.0	0.0	0.0	-168.5	348.5	346.9	13.9
1.0	15.0	1.0	0.0	0.0	-131.5	274.6	273.1	5.8
1.0	15.0	0.0	0.0	0.0	-133.9	270.0	269.9	6.9
1.0	15.0	0.0	0.0	0.0	-154.3	310.7	310.6	9.3
1.0	15.0	1.0	0.0	0.0	-171.7	355.0	353.4	32.8
1.0	15.0	1.0	0.0	0.0	-137.4	286.3	284.8	19.6
1.0	15.0	0.0	0.0	0.0	-175.3	352.8	352.7	11.2
1.0	15.0	0.0	1.0	0.0	-129.3	270.1	268.5	6.8
0.8	15.0	3.0	0.0	0.0	-122.4	264.8	260.8	8.6
1.0	15.0	2.0	0.0	0.0	-122.8	257.1	255.5	5.4
1.0	15.0	0.0	1.0	0.0	-134.0	270.2	270.1	14.5
1.0	15.0	0.0	0.0	0.0	-125.9	253.9	253.8	5.3
1.0	15.0	2.0	0.0	0.0	-160.6	332.7	331.1	9.4
1.0	15.0	1.0	0.0	0.0	-118.1	247.8	246.2	4.2
1.0	15.0	0.0	0.0	0.0	-139.6	281.4	281.3	6.3
1.0	15.0	0.0	3.0	0.0	-145.9	303.3	301.8	6.3
1.0	15.0	4.0	0.0	0.0	-158.4	328.4	326.8	7.9
1.0	15.0	3.0	0.0	0.0	-151.6	314.7	313.1	8.6
1.0	15.0	0.0	0.0	0.0	-140.6	283.3	283.2	6.5
1.0	15.0	0.0	1.0	0.0	-112.8	237.1	235.6	2.9
0.8	15.0	3.0	0.0	0.0	-82.2	184.4	180.4	1.3
1.0	15.0	2.0	0.0	0.0	-74.3	160.0	158.5	1.1
1.0	15.0	0.0	1.0	0.0	-143.7	289.4	289.3	6.3
1.0	15.0	0.0	0.0	0.0	-111.5	225.1	225.0	2.8
1.0	15.0	2.0	0.0	0.0	-134.7	280.9	279.4	5.2
1.0	15.0	2.0	0.0	0.0	-116.4	244.3	242.7	3.6
1.0	15.0	0.0	0.0	0.0	-143.8	289.7	289.7	6.0
1.0	15.0	2.0	6.0	0.0	-153.3	326.6	322.6	9.6
1.0	15.0	9.0	1.0	0.0	-198.6	417.3	413.3	21.9
1.0	15.0	9.0	2.0	0.0	-177.0	374.0	370.0	16.7
1.0	15.0	0.0	2.0	0.0	-161.0	333.5	331.9	8.8
1.0	15.0	0.0	3.0	0.0	-143.3	298.1	296.6	6.6
1.0	15.0	4.0	1.0	0.0	-185.9	391.8	387.8	22.1
1.0	15.0	5.0	0.0	0.0	-157.0	333.9	329.9	10.7
1.0	15.0	0.0	2.0	0.0	-151.3	314.1	312.6	9.2
0.6	15.0	2.0	6.0	0.0	-138.4	288.3	286.8	4.8
1.0	15.0	3.0	0.0	0.0	-101.3	222.5	218.5	3.9
1.0	15.0	2.0	0.0	0.0	-84.9	189.9	185.9	2.9
1.0	15.0	2.0	0.0	0.0	-145.3	302.1	300.6	6.1
1.0	15.0	0.0	3.0	0.0	-117.8	247.2	245.6	3.3
1.0	15.0	4.0	0.0	0.0	-136.2	292.5	288.5	9.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.6	15.0	4.0	0.0	0.0	-130.5	280.9	276.9	9.8
1.0	15.0	0.0	0.0	0.0	-165.4	333.0	332.9	8.6
1.0	15.0	0.0	3.0	0.0	-124.6	260.8	259.2	6.6
1.0	15.0	5.0	1.0	0.0	-177.4	375.0	370.9	29.8
1.0	15.0	5.0	0.0	0.0	-154.9	330.0	325.9	11.0
1.0	15.0	0.0	2.0	0.0	-147.6	306.8	305.2	7.1
1.0	15.0	0.0	1.0	0.0	-119.5	250.5	248.9	4.0
0.9	15.0	2.0	0.0	0.0	-75.0	169.9	165.9	0.7
0.8	15.0	1.0	0.0	0.0	-79.0	169.5	168.0	2.6
1.0	15.0	0.0	4.0	0.0	-158.8	329.2	327.6	10.9
1.0	15.0	0.0	2.0	0.0	-130.4	272.2	270.7	8.6
0.9	15.0	2.0	0.0	0.0	-116.4	252.7	248.7	6.3
1.0	15.0	3.0	0.0	0.0	-107.7	227.0	225.4	3.8
1.0	15.0	0.0	3.0	0.0	-164.7	340.9	339.4	9.3
1.0	15.0	0.0	1.0	0.0	-115.8	243.1	241.6	3.3
1.0	15.0	2.0	0.0	0.0	-111.4	242.9	238.9	6.3
1.0	15.0	2.0	0.0	0.0	-108.3	236.7	232.7	4.4
1.0	15.0	0.0	2.0	0.0	-150.9	313.4	311.9	7.8
0.7	15.0	0.0	3.0	0.0	-266.4	543.4	542.7	11.4
1.0	15.0	0.0	3.0	0.0	-299.2	609.1	608.4	8.9
1.0	15.0	3.0	0.0	0.0	-309.4	629.5	628.8	12.4
1.0	15.0	0.0	3.0	0.0	-291.0	592.7	592.0	11.7
1.0	15.0	0.0	2.0	0.0	-283.2	577.1	576.4	6.4
1.0	15.0	0.0	2.0	0.0	-213.5	444.9	443.1	2.9
1.0	15.0	2.0	0.0	0.0	-278.9	568.5	567.8	18.6
1.0	15.0	0.0	2.0	0.0	-360.1	730.9	730.2	14.2
1.0	15.0	0.0	3.0	0.0	-256.2	523.1	522.4	12.5
1.0	15.0	0.0	0.0	0.0	-142.7	287.4	287.3	1.4
1.0	15.0	3.0	0.0	0.0	-239.5	489.7	489.0	22.0
1.0	15.0	0.0	3.0	0.0	-286.5	583.8	583.0	16.7
1.0	15.0	0.0	3.0	0.0	-290.7	592.0	591.3	10.8
1.0	15.0	0.0	0.0	0.0	-219.5	441.1	441.0	6.4
1.0	15.0	3.0	0.0	0.0	-287.0	584.7	584.0	27.8
1.0	15.0	0.0	3.0	0.0	-363.5	737.7	737.0	15.4
0.9	15.0	0.0	3.0	0.0	-286.9	584.5	583.8	7.9
1.0	15.0	0.0	0.0	0.0	-145.5	293.1	293.0	1.4
1.0	15.0	2.0	0.0	0.0	-163.0	336.6	335.9	2.4
1.0	15.0	0.0	3.0	0.0	-335.9	682.6	681.9	13.6
1.0	15.0	0.0	4.0	0.0	-281.1	573.0	572.3	5.4
1.0	15.0	0.0	2.0	0.0	-255.7	522.0	521.3	4.6
1.0	15.0	3.0	0.0	0.0	-291.7	594.1	593.4	20.1
1.0	15.0	0.0	3.0	0.0	-313.4	637.5	636.8	7.7
1.0	15.0	0.0	2.0	0.0	-114.5	240.6	239.0	3.0
1.0	15.0	2.0	0.0	0.0	-129.4	270.3	268.8	6.6
1.0	15.0	2.0	0.0	0.0	-125.8	263.1	261.5	6.6
1.0	15.0	0.0	1.0	0.0	-149.3	300.7	300.6	9.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	3.0	0.0	-122.2	256.0	254.4	4.7
1.0	15.0	2.0	1.0	0.0	-140.5	300.9	296.9	9.1
0.6	15.0	3.0	0.0	0.0	-137.3	294.6	290.6	7.8
1.0	15.0	0.0	1.0	0.0	-159.6	330.8	329.3	7.7
1.0	15.0	0.0	1.0	0.0	-125.8	263.2	261.6	6.2
1.0	15.0	0.0	0.0	0.0	-67.7	137.5	137.4	1.5
0.9	15.0	1.0	0.0	0.0	-91.7	195.0	193.5	4.7
1.0	15.0	0.0	1.0	0.0	-171.4	354.3	352.8	11.7
1.0	15.0	0.0	2.0	0.0	-134.0	279.4	277.9	7.0
1.0	15.0	0.0	0.0	0.0	-68.3	138.6	138.5	1.6
1.0	15.0	1.0	0.0	0.0	-74.7	161.0	159.5	2.0
1.0	15.0	0.0	1.0	0.0	-150.2	312.0	310.4	10.2
1.0	15.0	0.0	2.0	0.0	-140.4	292.4	290.9	8.9
1.0	15.0	0.0	1.0	0.0	-117.1	236.3	236.2	4.7
0.7	15.0	1.0	0.0	0.0	-109.7	230.9	229.3	15.8
1.0	15.0	0.0	1.0	0.0	-162.7	336.9	335.4	11.6
1.0	15.0	0.0	3.0	0.0	-135.0	281.6	280.1	7.0
1.0	15.0	3.0	1.0	10.0	-153.1	326.2	322.2	9.4
0.9	15.0	3.0	0.0	0.0	-145.4	310.8	306.8	8.5
1.0	15.0	0.0	2.0	0.0	-140.1	291.7	290.2	9.5
1.0	15.0	0.0	1.0	0.0	-132.3	276.1	274.6	6.5
1.0	15.0	0.0	1.0	0.0	-125.4	252.8	252.7	7.2
1.0	15.0	1.0	0.0	0.0	-104.9	221.3	219.8	8.2
1.0	15.0	0.0	1.0	0.0	-177.6	366.7	365.2	13.1
1.0	15.0	0.0	2.0	0.0	-122.4	256.3	254.8	4.3
1.0	15.0	0.0	0.0	0.0	-64.1	130.4	130.3	0.9
1.0	15.0	1.0	0.0	0.0	-88.3	188.1	186.5	8.8
1.0	15.0	0.0	2.0	0.0	-136.2	283.9	282.3	5.5
0.9	15.0	0.0	1.0	0.0	-120.9	253.3	251.8	9.6
1.0	15.0	0.0	0.0	0.0	-77.3	156.8	156.7	1.5
0.6	15.0	1.0	0.0	0.0	-89.5	190.5	189.0	11.3
1.0	15.0	0.0	1.0	0.0	-182.1	375.8	374.3	21.9
1.0	15.0	0.0	1.0	0.0	-139.9	291.4	289.9	6.0
1.0	15.0	0.0	0.0	0.0	-69.4	140.8	140.7	1.4
1.0	15.0	1.0	0.0	0.0	-72.2	155.9	154.4	1.6
1.0	15.0	0.0	1.0	0.0	-155.9	323.4	321.8	8.6
1.0	15.0	0.0	2.0	0.0	-117.3	246.1	244.6	3.1
1.0	15.0	0.0	3.0	0.0	-110.0	231.5	230.0	2.4
1.0	15.0	1.0	0.0	0.0	-108.8	229.0	227.5	4.0
1.0	15.0	0.0	1.0	0.0	-169.0	349.5	348.0	9.4
1.0	15.0	0.0	2.0	0.0	-117.4	246.4	244.9	3.1
1.0	15.0	2.0	0.0	0.0	-137.6	286.8	285.2	5.1
1.0	15.0	2.0	0.0	0.0	-135.5	282.6	281.1	4.9
1.0	15.0	0.0	0.0	0.0	-126.3	254.7	254.6	4.2
1.0	15.0	0.0	0.0	0.0	-122.0	246.0	245.9	4.4
1.0	15.0	3.0	0.0	0.0	-172.1	355.8	354.2	20.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	2.0	0.0	0.0	-138.3	288.2	286.6	9.5
1.0	15.0	0.0	0.0	0.0	-126.9	256.0	255.9	4.3
1.0	15.0	0.0	0.0	0.0	-112.5	227.1	227.0	3.1
1.0	15.0	2.0	0.0	0.0	-149.3	310.2	308.6	7.4
1.0	15.0	2.0	0.0	0.0	-107.7	227.0	225.4	2.9
1.0	15.0	0.0	0.0	0.0	-154.8	311.7	311.6	7.6
1.0	15.0	0.0	0.0	0.0	-114.3	230.7	230.6	4.7
1.0	15.0	1.0	0.0	0.0	-133.5	278.5	277.0	5.1
1.0	15.0	1.0	0.0	0.0	-123.9	259.4	257.9	4.7
1.0	15.0	0.0	0.0	0.0	-127.4	257.0	256.9	4.5
1.0	15.0	0.0	0.0	0.0	-136.0	274.2	274.1	5.0
1.0	15.0	1.0	0.0	0.0	-151.1	313.8	312.3	7.4
1.0	15.0	1.0	0.0	0.0	-115.6	242.7	241.2	3.1
1.0	15.0	0.0	0.0	0.0	-129.6	261.2	261.1	4.1
0.9	15.0	0.0	3.0	0.0	-139.7	291.0	289.4	5.4
1.0	15.0	0.0	3.0	0.0	-188.7	389.0	387.5	28.7
1.0	15.0	1.0	1.0	0.0	-152.1	324.2	320.2	15.1
1.0	15.0	0.0	3.0	0.0	-152.1	315.7	314.1	11.9
1.0	15.0	0.0	3.0	0.0	-118.8	249.1	247.5	12.0
1.0	15.0	0.0	0.0	0.0	-64.3	130.6	130.6	1.1
1.0	15.0	3.0	0.0	0.0	-98.3	208.2	206.6	6.1
1.0	15.0	1.0	3.0	0.0	-165.3	342.2	340.6	10.1
1.0	15.0	0.0	4.0	0.0	-139.6	290.7	289.2	6.3
1.0	15.0	0.0	0.0	0.0	-97.4	197.0	196.9	3.1
1.0	15.0	4.0	0.0	0.0	-112.2	235.9	234.3	4.0
1.0	15.0	0.0	4.0	0.0	-152.0	315.5	313.9	9.4
1.0	15.0	0.0	1.0	0.0	-117.1	245.8	244.3	3.1
1.0	15.0	2.0	0.0	0.0	-112.8	245.6	241.6	3.6
1.0	15.0	3.0	0.0	0.0	-106.6	224.8	223.3	3.4
1.0	15.0	0.0	1.0	0.0	-159.7	331.0	329.5	7.9
1.0	15.0	0.0	3.0	0.0	-125.6	262.8	261.2	9.8
0.9	15.0	1.0	3.0	0.0	-177.0	373.9	369.9	32.1
0.5	15.0	1.0	3.0	0.0	-137.7	295.4	291.4	10.4
1.0	15.0	0.0	3.0	0.0	-152.5	316.6	315.1	17.5
1.0	15.0	0.0	3.0	0.0	-111.4	234.4	232.8	7.1
1.0	15.0	0.0	0.0	0.0	-58.3	118.8	118.7	0.7
1.0	15.0	3.0	0.0	0.0	-100.7	212.9	211.4	7.7
1.0	15.0	0.0	2.0	0.0	-130.5	272.5	271.0	12.1
1.0	15.0	0.0	3.0	0.0	-143.3	298.2	296.6	10.7
1.0	15.0	0.0	0.0	0.0	-97.0	196.0	195.9	3.2
1.0	15.0	3.0	0.0	0.0	-126.1	263.8	262.2	9.1
1.0	15.0	0.0	4.0	0.0	-179.7	370.9	369.4	15.8
1.0	15.0	0.0	2.0	0.0	-126.9	265.4	263.8	3.9
1.0	15.0	1.0	2.0	0.0	-115.6	251.2	247.2	5.5
1.0	15.0	3.0	0.0	0.0	-121.7	255.0	253.4	5.4
1.0	15.0	0.0	2.0	0.0	-161.1	333.7	332.2	8.4



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-109.3	220.6	220.5	3.6
1.0	15.0	3.0	0.0	0.0	-151.9	315.4	313.9	8.5
1.0	15.0	2.0	0.0	0.0	-130.8	273.1	271.6	5.0
1.0	15.0	0.0	0.0	0.0	-152.0	306.0	305.9	6.4
1.0	15.0	0.0	2.0	0.0	-157.8	327.1	325.5	9.8
1.0	15.0	3.0	1.0	0.0	-185.0	390.0	386.0	21.2
1.0	15.0	4.0	0.0	0.0	-182.4	384.7	380.7	23.4
1.0	15.0	0.0	0.0	0.0	-144.4	290.8	290.7	16.3
1.0	15.0	0.0	0.0	0.0	-152.0	306.0	305.9	7.1
1.0	15.0	5.0	0.0	0.0	-189.5	390.6	389.1	28.7
1.0	15.0	2.0	0.0	0.0	-163.4	346.8	342.8	15.4
0.9	15.0	0.0	4.0	0.0	-199.1	400.3	400.2	19.4
1.0	15.0	1.0	2.0	0.0	-164.9	349.9	345.9	9.3
1.0	15.0	0.0	0.0	0.0	-145.3	292.8	292.7	6.1
1.0	15.0	2.0	1.0	0.0	-144.5	309.1	305.1	8.2
0.9	15.0	0.0	4.0	0.0	-212.7	427.5	427.4	30.7
1.0	15.0	0.0	7.0	0.0	-121.7	263.5	259.5	3.7
1.0	15.0	4.0	0.0	0.0	-148.5	317.1	313.1	9.5
1.0	15.0	8.0	0.0	0.0	-132.9	285.9	281.9	5.5
1.0	15.0	1.0	7.0	0.0	-168.9	357.8	353.8	11.3
1.0	15.0	1.0	2.0	0.0	-167.8	347.2	345.7	11.6
0.5	15.0	1.0	4.0	0.0	-192.1	404.1	400.1	28.9
0.6	15.0	2.0	4.0	0.0	-176.4	372.8	368.8	16.2
1.0	15.0	0.0	3.0	0.0	-176.2	364.0	362.4	12.1
1.0	15.0	0.0	1.0	0.0	-134.3	280.1	278.5	5.3
1.0	15.0	0.0	0.0	0.0	-114.0	230.1	230.0	3.9
1.0	15.0	1.0	0.0	0.0	-135.3	282.1	280.6	11.1
1.0	15.0	0.0	1.0	0.0	-179.2	369.9	368.3	13.3
1.0	15.0	0.0	4.0	0.0	-131.5	274.5	272.9	5.8
1.0	15.0	0.0	0.0	0.0	-69.9	141.8	141.7	1.1
1.0	15.0	2.0	0.0	0.0	-102.4	216.4	214.8	17.8
1.0	15.0	1.0	5.0	0.0	-167.5	346.6	345.0	13.2
1.0	15.0	0.0	4.0	0.0	-142.1	295.8	294.3	6.7
1.0	15.0	0.0	0.0	0.0	-118.0	238.1	238.0	3.4
1.0	15.0	1.0	0.0	0.0	-121.8	255.1	253.5	5.2
1.0	15.0	0.0	1.0	0.0	-160.1	331.7	330.2	9.0
1.0	15.0	0.0	6.0	0.0	-143.3	298.1	296.5	6.4
0.9	15.0	1.0	1.0	0.0	-120.6	261.2	257.2	4.5
1.0	15.0	3.0	0.0	0.0	-142.7	296.9	295.4	19.8
1.0	15.0	0.0	5.0	0.0	-169.6	350.8	349.2	10.2
0.9	15.0	0.0	3.0	0.0	-141.2	293.9	292.4	6.4
1.0	15.0	2.0	0.0	0.0	-137.1	285.7	284.1	11.3
1.0	15.0	2.0	0.0	0.0	-138.5	288.5	286.9	10.0
1.0	15.0	0.0	4.0	0.0	-153.5	318.5	317.0	7.3
1.0	15.0	2.0	2.0	0.0	-381.9	774.5	773.8	23.2
0.5	15.0	2.0	5.0	0.0	-432.5	882.9	881.1	38.2

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	4.0	0.0	-374.0	765.7	764.0	25.0
1.0	15.0	0.0	6.0	0.0	-367.0	744.8	744.0	15.9
1.0	15.0	0.0	1.0	0.0	-284.8	580.4	579.7	7.2
1.0	15.0	0.0	0.0	0.0	-231.1	464.3	464.3	3.6
1.0	15.0	1.0	0.0	0.0	-285.4	581.6	580.9	16.7
1.0	15.0	0.0	1.0	0.0	-341.1	693.0	692.3	12.3
1.0	15.0	0.0	4.0	0.0	-258.4	527.5	526.8	4.3
1.0	15.0	0.0	0.0	0.0	-138.2	278.4	278.3	1.1
1.0	15.0	2.0	0.0	0.0	-216.6	444.0	443.3	17.2
1.0	15.0	0.0	5.0	0.0	-349.8	710.4	709.7	14.4
1.0	15.0	0.0	2.0	0.0	-309.2	629.1	628.4	11.6
1.0	15.0	0.0	0.0	0.0	-234.8	471.6	471.6	6.5
1.0	15.0	1.0	0.0	0.0	-287.0	584.7	584.0	37.1
1.0	15.0	0.0	2.0	0.0	-366.5	743.7	742.9	16.0
1.0	15.0	0.0	1.0	0.0	-250.6	511.9	511.2	4.1
1.0	15.0	0.0	0.0	0.0	-128.4	258.8	258.8	0.9
1.0	15.0	1.0	0.0	0.0	-142.9	296.5	295.8	1.8
1.0	15.0	0.0	1.0	0.0	-356.2	723.0	722.3	13.0
1.0	15.0	0.0	5.0	0.0	-343.0	696.7	696.0	12.2
0.9	15.0	3.0	0.0	0.0	-296.4	610.6	608.8	15.6
1.0	15.0	5.0	0.0	0.0	-330.7	672.0	671.3	45.1
1.0	15.0	0.0	1.0	0.0	-365.1	740.8	740.1	15.1
1.0	15.0	0.0	3.0	0.0	-116.4	244.3	242.8	3.2
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	5.4
1.0	15.0	2.0	0.0	0.0	-119.8	251.1	249.5	4.1
1.0	15.0	0.0	1.0	0.0	-142.0	295.5	294.0	5.6
1.0	15.0	0.0	1.0	0.0	-125.6	262.7	261.2	4.2
1.0	15.0	0.0	0.0	0.0	-114.5	231.1	231.0	3.3
1.0	15.0	1.0	0.0	0.0	-111.3	234.1	232.6	3.0
1.0	15.0	0.0	1.0	0.0	-166.5	344.5	343.0	9.7
1.0	15.0	0.0	3.0	0.0	-113.7	239.0	237.4	4.2
1.0	15.0	0.0	0.0	0.0	-106.6	215.3	215.2	5.4
1.0	15.0	3.0	0.0	0.0	-113.0	237.5	235.9	5.6
1.0	15.0	0.0	2.0	0.0	-170.2	352.0	350.5	9.8
1.0	15.0	0.0	3.0	0.0	-149.4	310.3	308.8	6.5
1.0	15.0	1.0	0.0	0.0	-86.0	183.6	182.1	2.7
1.0	15.0	1.0	0.0	0.0	-104.8	221.2	219.7	2.8
1.0	15.0	0.0	0.0	0.0	-197.4	396.8	396.7	18.4
1.0	15.0	0.0	1.0	0.0	-131.5	274.6	273.1	4.6
1.0	15.0	2.0	0.0	0.0	-105.4	222.4	220.9	2.1
1.0	15.0	2.0	0.0	0.0	-116.2	244.0	242.5	8.4
1.0	15.0	0.0	2.0	0.0	-154.3	320.2	318.6	7.1
1.0	15.0	0.0	2.0	0.0	-114.7	241.0	239.4	2.9
1.0	15.0	0.0	2.0	0.0	-141.7	294.9	293.3	5.4
1.0	15.0	1.0	0.0	0.0	-139.6	290.7	289.2	6.6
1.0	15.0	0.0	1.0	0.0	-122.1	255.8	254.3	3.9

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	2.0	0.0	-129.4	270.3	268.8	4.7
1.0	15.0	0.0	0.0	0.0	-124.6	251.3	251.2	5.6
1.0	15.0	2.0	0.0	0.0	-118.2	248.0	246.5	8.6
1.0	15.0	0.0	1.0	0.0	-171.3	354.1	352.5	11.3
1.0	15.0	0.0	1.0	0.0	-119.6	250.8	249.3	3.9
1.0	15.0	0.0	0.0	0.0	-69.1	140.2	140.1	1.3
1.0	15.0	1.0	0.0	0.0	-90.9	193.3	191.7	13.3
1.0	15.0	0.0	1.0	0.0	-141.2	293.9	292.4	6.8
1.0	15.0	0.0	1.0	0.0	-106.6	224.7	223.2	2.1
1.0	15.0	1.0	0.0	0.0	-86.4	184.4	182.8	4.7
0.9	15.0	1.0	0.0	0.0	-98.5	208.5	206.9	4.1
1.0	15.0	0.0	1.0	0.0	-171.7	355.0	353.5	11.4
1.0	15.0	0.0	2.0	0.0	-123.4	258.3	256.7	5.1
1.0	15.0	0.0	0.0	0.0	-63.2	128.5	128.4	0.9
0.9	15.0	1.0	0.0	0.0	-72.1	155.7	154.2	1.9
1.0	15.0	0.0	1.0	0.0	-142.8	297.2	295.7	8.4
1.0	15.0	0.0	3.0	0.0	-129.0	269.6	268.1	4.5
1.0	15.0	2.0	0.0	0.0	-114.0	248.0	244.0	3.1
1.0	15.0	3.0	0.0	0.0	-119.6	250.6	249.1	12.0
1.0	15.0	0.0	2.0	0.0	-172.8	357.2	355.6	11.0
1.0	15.0	0.0	1.0	0.0	-122.7	257.0	255.5	3.8
1.0	15.0	0.0	0.0	0.0	-98.6	199.3	199.2	2.2
1.0	15.0	2.0	0.0	0.0	-101.8	215.2	213.7	1.8
1.0	15.0	0.0	1.0	0.0	-155.5	313.1	313.0	11.5
1.0	15.0	0.0	1.0	0.0	-135.5	282.5	281.0	4.6
1.0	15.0	2.0	0.0	0.0	-99.4	210.3	208.8	1.6
1.0	15.0	1.0	0.0	0.0	-104.2	219.9	218.4	3.0
1.0	15.0	0.0	2.0	0.0	-162.2	335.9	334.4	8.7
1.0	15.0	0.0	1.0	0.0	-119.5	250.5	249.0	3.6
1.0	15.0	3.0	0.0	0.0	-117.2	246.0	244.5	4.6
1.0	15.0	3.0	0.0	0.0	-120.2	251.9	250.4	6.6
1.0	15.0	0.0	2.0	0.0	-153.0	317.5	316.0	7.2
1.0	15.0	0.0	2.0	0.0	-123.0	257.5	256.0	4.0
1.0	15.0	0.0	1.0	0.0	-148.6	299.3	299.2	8.9
0.6	15.0	2.0	0.0	0.0	-124.5	268.9	264.9	4.5
1.0	15.0	0.0	1.0	0.0	-129.6	270.6	269.1	4.9
1.0	15.0	0.0	1.0	0.0	-143.8	299.1	297.5	7.0
0.9	15.0	1.0	2.0	0.0	-203.4	426.8	422.8	34.6
0.9	15.0	1.0	1.0	0.0	-154.4	328.9	324.9	17.5
1.0	15.0	0.0	3.0	0.0	-172.1	355.7	354.1	11.1
1.0	15.0	0.0	2.0	0.0	-143.9	299.4	297.9	5.9
1.0	15.0	0.0	0.0	0.0	-109.1	220.3	220.2	4.4
1.0	15.0	2.0	0.0	0.0	-121.9	255.4	253.9	14.6
1.0	15.0	0.0	1.0	0.0	-172.1	355.8	354.3	10.8
1.0	15.0	0.0	1.0	0.0	-120.9	253.3	251.8	5.5
1.0	15.0	0.0	0.0	0.0	-60.5	123.1	123.0	0.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-84.0	179.5	178.0	12.5
1.0	15.0	0.0	1.0	0.0	-128.6	268.8	267.2	4.7
1.0	15.0	0.0	2.0	0.0	-132.1	275.7	274.2	4.8
0.6	15.0	1.0	0.0	0.0	-107.0	234.1	230.1	3.5
1.0	15.0	2.0	0.0	0.0	-102.5	216.6	215.1	3.1
1.0	15.0	0.0	2.0	0.0	-166.1	343.8	342.3	9.4
1.0	15.0	0.0	1.0	0.0	-135.8	283.2	281.7	5.8
1.0	15.0	0.0	0.0	0.0	-70.9	143.8	143.7	1.3
1.0	15.0	1.0	0.0	0.0	-68.6	148.8	147.2	1.2
1.0	15.0	0.0	1.0	0.0	-175.0	361.6	360.0	14.4
1.0	15.0	0.0	4.0	0.0	-139.0	289.5	288.0	5.7
1.0	15.0	0.0	1.0	0.0	-108.9	219.9	219.8	4.3
1.0	15.0	1.0	0.0	0.0	-130.2	271.9	270.3	9.2
1.0	15.0	0.0	2.0	0.0	-157.8	327.1	325.6	7.6
1.0	15.0	0.0	3.0	0.0	-116.3	244.1	242.5	3.9
1.0	15.0	2.0	1.0	0.0	-170.3	360.7	356.6	27.1
1.0	15.0	2.0	1.0	0.0	-142.3	304.7	300.6	11.2
1.0	15.0	0.0	2.0	0.0	-150.9	313.3	311.7	7.8
1.0	15.0	0.0	2.0	0.0	-126.0	263.6	262.1	4.8
1.0	15.0	0.0	0.0	0.0	-75.2	152.6	152.5	1.9
1.0	15.0	1.0	0.0	0.0	-91.2	193.9	192.4	4.1
1.0	15.0	3.0	1.0	0.0	-149.5	319.0	315.0	11.5
1.0	15.0	0.0	1.0	0.0	-142.5	296.5	295.0	5.4
1.0	15.0	0.0	0.0	0.0	-111.0	224.1	224.0	5.6
1.0	15.0	2.0	0.0	0.0	-111.4	234.4	232.8	5.6
1.0	15.0	0.0	3.0	0.0	-184.6	380.8	379.2	16.1
1.0	15.0	0.0	1.0	0.0	-130.1	271.7	270.2	5.1
1.0	15.0	2.0	0.0	0.0	-119.3	250.1	248.5	9.9
1.0	15.0	3.0	0.0	0.0	-118.7	248.9	247.3	17.9
1.0	15.0	0.0	0.0	0.0	-166.3	334.6	334.5	9.6
1.0	15.0	0.0	3.0	0.0	-138.0	287.5	285.9	6.6
1.0	15.0	4.0	1.0	0.0	-185.3	390.7	386.7	20.2
1.0	15.0	3.0	1.0	0.0	-153.9	327.8	323.8	14.0
1.0	15.0	0.0	1.0	0.0	-154.0	319.5	318.0	8.2
1.0	15.0	0.0	1.0	0.0	-137.2	285.9	284.4	4.9
1.0	15.0	1.0	0.0	0.0	-97.0	196.1	196.0	4.8
0.9	15.0	1.0	0.0	0.0	-97.8	207.2	205.7	1.7
1.0	15.0	0.0	0.0	0.0	-183.4	368.9	368.8	12.6
1.0	15.0	0.0	1.0	0.0	-133.7	278.9	277.3	4.4
0.7	15.0	2.0	0.0	0.0	-106.1	223.8	222.3	2.3
1.0	15.0	1.0	0.0	0.0	-102.6	216.8	215.3	2.7
1.0	15.0	0.0	1.0	0.0	-128.5	268.4	266.9	4.3
0.9	15.0	0.0	1.0	0.0	-131.1	273.8	272.3	5.0
0.8	15.0	3.0	0.0	0.0	-155.4	322.3	320.7	17.7
1.0	15.0	2.0	0.0	0.0	-126.0	263.6	262.0	6.1
1.0	15.0	0.0	0.0	0.0	-139.2	280.6	280.5	6.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-112.1	226.3	226.3	3.8
1.0	15.0	2.0	0.0	0.0	-161.1	333.6	332.1	10.5
1.0	15.0	2.0	0.0	0.0	-130.3	272.2	270.7	5.8
1.0	15.0	0.0	0.0	0.0	-162.5	327.1	327.0	9.1
1.0	15.0	0.0	0.0	0.0	-127.4	256.8	256.8	4.1
1.0	15.0	3.0	0.0	0.0	-156.2	324.0	322.4	7.9
1.0	15.0	2.0	0.0	0.0	-119.6	250.6	249.1	4.1
1.0	15.0	0.0	0.0	0.0	-126.8	255.7	255.6	5.1
1.0	15.0	0.0	0.0	0.0	-124.7	251.5	251.4	3.6
1.0	15.0	2.0	0.0	0.0	-157.8	327.1	325.5	8.1
1.0	15.0	1.0	0.0	0.0	-133.1	277.7	276.2	4.7
1.0	15.0	0.0	0.0	0.0	-147.1	296.3	296.2	6.5
1.0	15.0	0.0	4.0	0.0	-119.3	250.2	248.7	3.6
1.0	15.0	5.0	1.0	0.0	-180.4	380.8	376.8	18.9
0.6	15.0	4.0	0.0	0.0	-159.7	339.5	335.5	11.4
1.0	15.0	0.0	1.0	0.0	-162.8	327.6	327.5	10.2
1.0	15.0	0.0	1.0	0.0	-138.9	289.4	287.8	6.2
1.0	15.0	0.0	1.0	0.0	-129.7	261.4	261.3	5.7
0.9	15.0	1.0	0.0	0.0	-98.1	207.7	206.2	3.3
1.0	15.0	0.0	1.0	0.0	-154.7	311.5	311.4	10.1
1.0	15.0	0.0	2.0	0.0	-276.3	563.3	562.6	5.9
1.0	15.0	5.0	0.0	0.0	-400.1	818.1	816.3	30.0
0.9	15.0	5.0	0.0	0.0	-344.2	699.1	698.4	23.1
1.0	15.0	0.0	0.0	0.0	-322.9	647.9	647.8	11.8
1.0	15.0	0.0	2.0	0.0	-270.6	552.0	551.2	5.4
1.0	15.0	0.0	1.0	0.0	-297.1	596.2	596.1	10.7
1.0	15.0	1.0	0.0	0.0	-242.3	495.3	494.6	7.3
1.0	15.0	0.0	1.0	0.0	-325.0	652.0	651.9	9.5
1.0	15.0	0.0	0.0	0.0	-135.6	273.3	273.2	5.6
1.0	15.0	3.0	0.0	0.0	-170.0	351.6	350.1	11.3
1.0	15.0	2.0	0.0	0.0	-135.1	281.6	280.1	5.7
1.0	15.0	0.0	0.0	0.0	-185.5	373.0	372.9	14.2
1.0	15.0	0.0	0.0	0.0	-119.9	241.8	241.8	3.5
1.0	15.0	2.0	0.0	0.0	-146.5	304.6	303.1	5.7
1.0	15.0	2.0	0.0	0.0	-111.4	234.3	232.8	3.9
1.0	15.0	0.0	0.0	0.0	-135.4	272.9	272.9	4.9
1.0	15.0	0.0	4.0	0.0	-126.0	263.5	261.9	4.8
1.0	15.0	1.0	4.0	0.0	-146.3	312.6	308.6	9.5
1.0	15.0	4.0	0.0	0.0	-167.5	346.5	345.0	14.2
1.0	15.0	0.0	4.0	0.0	-149.3	310.2	308.6	8.8
1.0	15.0	0.0	0.0	0.0	-154.3	310.7	310.6	6.8
0.7	15.0	4.0	5.0	0.0	-206.5	433.0	429.0	27.3
1.0	15.0	0.0	2.0	0.0	-178.2	368.0	366.5	12.5
1.0	15.0	0.0	6.0	0.0	-164.5	340.5	338.9	10.9
0.7	15.0	2.0	5.0	0.0	-173.5	366.9	362.9	14.1
1.0	15.0	4.0	0.0	0.0	-121.1	262.1	258.1	4.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	5.0	0.0	0.0	-161.3	342.6	338.6	12.0
1.0	15.0	0.0	6.0	0.0	-210.5	432.6	431.1	28.7
0.9	15.0	0.0	7.0	0.0	-123.3	258.2	256.6	3.5
1.0	15.0	2.0	0.0	0.0	-122.2	264.4	260.4	4.3
1.0	15.0	9.0	0.0	0.0	-123.5	267.1	263.1	4.6
1.0	15.0	0.0	7.0	0.0	-188.2	387.9	386.3	19.3
1.0	15.0	0.0	7.0	0.0	-149.5	319.0	315.0	6.9
1.0	15.0	0.0	0.0	0.0	-94.4	190.8	190.7	13.4
1.0	15.0	2.0	0.0	0.0	-92.3	204.5	200.5	6.1
1.0	15.0	2.0	5.0	0.0	-175.7	371.3	367.3	21.5
1.0	15.0	0.0	1.0	0.0	-151.9	315.3	313.8	7.9
1.0	15.0	0.0	0.0	0.0	-148.9	299.8	299.7	6.2
0.8	15.0	1.0	0.0	0.0	-116.7	244.9	243.4	4.5
1.0	15.0	0.0	8.0	0.0	-157.5	326.5	324.9	11.7
1.0	15.0	0.0	4.0	0.0	-136.3	284.1	282.6	6.3
1.0	15.0	2.0	3.0	0.0	-131.4	282.9	278.9	4.9
1.0	15.0	2.0	0.0	0.0	-156.0	331.9	327.9	15.5
1.0	15.0	1.0	2.0	0.0	-174.0	359.5	358.0	13.7
1.0	15.0	0.0	0.0	0.0	-148.9	299.9	299.8	11.0
0.9	15.0	2.0	1.0	0.0	-187.6	395.2	391.2	35.7
1.0	15.0	2.0	1.0	0.0	-158.3	336.7	332.7	17.5
1.0	15.0	0.0	4.0	0.0	-158.0	327.5	325.9	13.7
0.9	15.0	0.0	3.0	0.0	-162.9	337.4	335.9	14.5
1.0	15.0	0.0	0.0	0.0	-132.9	267.9	267.8	5.5
1.0	15.0	3.0	0.0	0.0	-154.3	320.2	318.7	14.1
1.0	15.0	0.0	1.0	0.0	-176.5	355.1	355.0	14.2
1.0	15.0	0.0	5.0	0.0	-154.9	321.4	319.9	9.3
1.0	15.0	1.0	0.0	0.0	-103.7	227.4	223.4	2.1
0.7	15.0	6.0	0.0	0.0	-156.8	333.6	329.6	12.1
1.0	15.0	6.0	2.0	0.0	-182.3	384.5	380.5	12.7
1.0	15.0	0.0	4.0	0.0	-150.0	311.4	309.9	8.1
1.0	15.0	0.0	0.0	0.0	-69.0	140.0	139.9	1.1
1.0	15.0	3.0	0.0	0.0	-78.8	169.1	167.6	2.0
1.0	15.0	0.0	1.0	0.0	-195.5	393.0	392.9	29.4
1.0	15.0	0.0	6.0	0.0	-139.3	290.2	288.6	8.2
1.0	15.0	2.0	4.0	0.0	-143.4	306.9	302.9	5.3
1.0	15.0	4.0	0.0	0.0	-174.2	368.3	364.3	15.9
1.0	15.0	0.0	3.0	0.0	-130.7	273.0	271.4	4.9
1.0	15.0	0.0	0.0	0.0	-151.9	305.8	305.7	11.1
1.0	15.0	7.0	0.0	0.0	-207.7	435.5	431.5	63.0
1.0	15.0	5.0	1.0	0.0	-188.8	397.6	393.6	32.7
1.0	15.0	0.0	6.0	0.0	-175.5	362.6	361.1	14.5
1.0	15.0	0.0	6.0	0.0	-156.5	324.5	323.0	10.0
1.0	15.0	2.0	0.0	0.0	-133.0	286.0	282.0	8.2
1.0	15.0	8.0	0.0	0.0	-165.2	341.9	340.3	16.6
1.0	15.0	6.0	4.0	0.0	-198.6	417.2	413.2	21.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	6.0	0.0	-153.8	319.2	317.7	8.0
1.0	15.0	0.0	0.0	0.0	-88.0	178.1	178.0	2.4
1.0	15.0	4.0	0.0	0.0	-121.0	253.5	252.0	14.1
1.0	15.0	0.0	4.0	0.0	-199.8	411.1	409.5	26.6
1.0	15.0	0.0	8.0	0.0	-1070.3	2157.1	2156.7	8.4
1.0	15.0	4.0	4.0	0.0	-1447.3	2911.1	2910.7	29.9
1.0	15.0	4.0	0.0	0.0	-1398.4	2813.4	2812.9	33.7
1.0	15.0	1.0	1.0	0.0	-1296.0	2594.0	2594.0	19.4
1.0	15.0	0.0	0.0	0.0	-1034.1	2070.3	2070.3	7.0
1.0	15.0	4.0	1.0	0.0	-1501.3	3019.1	3018.6	43.3
1.0	15.0	4.0	1.0	0.0	-1289.7	2595.9	2595.4	21.0
1.0	15.0	0.0	5.0	0.0	-1448.6	2907.4	2907.2	26.7
1.0	15.0	0.0	7.0	0.0	-1136.7	2289.8	2289.3	10.0
1.0	15.0	3.0	0.0	0.0	-1270.4	2557.2	2556.7	17.1
1.0	15.0	8.0	0.0	0.0	-1235.7	2487.9	2487.4	14.6
1.0	15.0	0.0	5.0	0.0	-1397.0	2810.4	2810.0	23.8
1.0	23.0	0.0	12.0	0.0	-840.2	1690.7	1690.4	10.9
1.0	23.0	7.0	5.0	0.0	-1051.6	2119.9	2119.2	30.2
1.0	23.0	7.0	0.0	0.0	-1007.2	2031.1	2030.4	33.9
1.0	23.0	2.0	1.0	0.0	-950.7	1911.6	1911.4	18.9
1.0	23.0	0.0	9.0	0.0	-818.3	1653.3	1652.7	10.5
1.0	23.0	4.0	0.0	0.0	-861.7	1740.0	1739.3	14.1
1.0	23.0	9.0	0.0	0.0	-828.5	1673.8	1673.1	11.4
1.0	23.0	0.0	14.0	0.0	-1014.1	2044.9	2044.2	21.8
1.0	23.0	0.0	0.0	0.0	-409.1	820.2	820.2	5.1
1.0	23.0	3.0	0.0	0.0	-380.6	778.3	777.1	5.1
1.0	23.0	4.0	0.0	0.0	-337.6	685.6	685.1	3.1
1.0	23.0	0.0	2.0	0.0	-532.1	1066.3	1066.3	13.0
1.0	15.0	0.0	8.0	0.0	-992.3	2001.1	2000.5	10.0
1.0	15.0	3.0	5.0	0.0	-1262.1	2540.7	2540.2	30.5
1.0	15.0	3.0	0.0	0.0	-1202.8	2422.1	2421.6	33.4
1.0	15.0	2.0	3.0	0.0	-1134.9	2286.3	2285.8	21.4
1.0	15.0	0.0	5.0	0.0	-1021.2	2058.9	2058.4	10.9
1.0	15.0	4.0	0.0	0.0	-1095.2	2207.0	2206.4	17.1
1.0	15.0	8.0	0.0	0.0	-1054.2	2125.0	2124.4	13.2
1.0	15.0	0.0	6.0	0.0	-1190.8	2398.1	2397.6	21.8
1.0	15.0	0.0	0.0	0.0	-848.8	1699.6	1699.6	5.9
1.0	15.0	3.0	0.0	0.0	-774.6	1565.8	1565.3	7.0
1.0	15.0	3.0	0.0	0.0	-686.2	1389.0	1388.5	5.0
1.0	15.0	0.0	0.0	0.0	-1037.7	2077.4	2077.4	10.7
1.0	15.0	0.0	2.0	0.0	-109.3	230.1	228.6	2.3
0.9	15.0	3.0	0.0	0.0	-128.8	269.1	267.5	4.0
1.0	15.0	3.0	0.0	0.0	-122.4	256.2	254.7	3.9
1.0	15.0	0.0	0.0	0.0	-128.9	259.9	259.9	4.3
1.0	15.0	0.0	0.0	0.0	-129.0	260.1	260.0	5.3
1.0	15.0	1.0	1.0	0.0	-162.0	335.6	334.0	9.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-133.4	278.3	276.7	4.8
1.0	15.0	0.0	0.0	0.0	-138.7	279.4	279.3	6.1
1.0	15.0	0.0	4.0	0.0	-165.6	342.7	341.2	20.5
1.0	15.0	1.0	3.0	0.0	-154.0	328.0	324.0	11.3
0.9	15.0	4.0	0.0	0.0	-165.6	342.7	341.1	17.2
0.9	15.0	0.0	3.0	0.0	-161.2	334.0	332.4	25.9
1.0	15.0	0.0	0.0	0.0	-125.9	253.9	253.8	5.5
1.0	15.0	2.0	0.0	0.0	-155.3	322.1	320.5	8.0
1.0	15.0	2.0	0.0	0.0	-122.3	256.0	254.5	5.6
1.0	15.0	0.0	0.0	0.0	-140.3	282.6	282.5	5.2
1.0	15.0	0.0	2.0	0.0	-116.5	244.5	243.0	3.4
1.0	15.0	2.0	0.0	0.0	-165.1	341.7	340.2	8.7
1.0	15.0	2.0	0.0	0.0	-155.9	323.3	321.7	7.3
1.0	15.0	0.0	0.0	0.0	-125.4	253.0	252.9	4.1
1.0	15.0	0.0	0.0	0.0	-780.2	1562.4	1562.4	5.0
1.0	15.0	2.0	0.0	0.0	-1046.1	2102.4	2102.1	13.2
1.0	15.0	1.0	0.0	0.0	-863.5	1737.3	1737.1	7.3
1.0	15.0	0.0	0.0	0.0	-990.1	1982.3	1982.3	10.0
1.0	15.0	0.0	0.0	0.0	-549.9	1101.9	1101.8	5.5
1.0	15.0	2.0	0.0	0.0	-631.1	1272.5	1272.1	10.5
1.0	15.0	2.0	0.0	0.0	-534.3	1078.9	1078.5	6.4
1.0	15.0	0.0	0.0	0.0	-634.4	1270.8	1270.8	8.5
1.0	15.0	0.0	2.0	0.0	-551.6	1113.5	1113.2	5.2
1.0	15.0	2.0	0.0	0.0	-413.4	837.2	836.8	2.0
1.0	15.0	2.0	0.0	0.0	-403.5	817.3	816.9	2.0
1.0	15.0	0.0	0.0	0.0	-716.8	1435.5	1435.5	12.6
1.0	15.0	0.0	0.0	0.0	-936.7	1875.4	1875.4	5.2
1.0	15.0	2.0	0.0	0.0	-1211.5	2433.2	2433.0	14.3
1.0	15.0	2.0	0.0	0.0	-959.4	1929.0	1928.8	9.5
1.0	15.0	0.0	0.0	0.0	-1031.5	2065.0	2065.0	9.2
1.0	15.0	0.0	0.0	0.0	-166.9	335.9	335.8	11.6
1.0	15.0	2.0	0.0	0.0	-196.1	403.8	402.2	23.2
1.0	15.0	1.0	0.0	0.0	-175.8	363.2	361.7	18.1
1.0	15.0	0.0	0.0	0.0	-149.6	301.4	301.3	9.8
1.0	15.0	0.0	0.0	0.0	-122.4	246.9	246.8	3.5
1.0	15.0	1.0	0.0	0.0	-175.1	361.7	360.2	12.7
1.0	15.0	1.0	0.0	0.0	-149.1	309.8	308.2	7.0
1.0	15.0	0.0	0.0	0.0	-137.0	276.1	276.0	4.8
1.0	15.0	0.0	0.0	0.0	-117.1	236.4	236.3	4.3
1.0	15.0	1.0	0.0	0.0	-123.6	258.8	257.3	5.9
1.0	15.0	1.0	0.0	0.0	-126.6	264.7	263.1	7.9
1.0	15.0	0.0	0.0	0.0	-137.3	276.6	276.5	5.2
1.0	15.0	0.0	1.0	0.0	-131.3	274.1	272.5	5.4
1.0	15.0	0.0	0.0	0.0	-112.9	227.9	227.8	4.6
1.0	15.0	1.0	0.0	0.0	-107.1	225.7	224.2	6.9
1.0	15.0	0.0	1.0	0.0	-150.2	312.0	310.5	6.8



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-120.1	251.7	250.2	3.8
0.7	15.0	2.0	0.0	0.0	-115.4	242.3	240.7	6.2
1.0	15.0	2.0	0.0	0.0	-109.8	231.1	229.6	3.4
1.0	15.0	0.0	1.0	0.0	-174.9	351.9	351.8	15.4
1.0	15.0	0.0	4.0	0.0	-123.5	258.5	257.0	3.8
1.0	15.0	4.0	0.0	0.0	-125.2	261.9	260.3	5.7
1.0	15.0	4.0	0.0	0.0	-122.9	257.4	255.8	5.3
1.0	15.0	0.0	0.0	0.0	-160.4	322.8	322.7	8.0
1.0	15.0	0.0	4.0	0.0	-136.9	285.3	283.8	5.3
1.0	15.0	1.0	0.0	0.0	-181.1	373.8	372.2	14.9
1.0	15.0	2.0	0.0	0.0	-126.1	263.8	262.2	6.4
1.0	15.0	0.0	0.0	0.0	-142.1	286.3	286.2	6.9
1.0	15.0	0.0	0.0	0.0	-129.7	261.5	261.4	5.5
1.0	15.0	2.0	0.0	0.0	-157.6	326.7	325.2	7.5
1.0	15.0	2.0	0.0	0.0	-119.4	250.3	248.8	3.3
1.0	15.0	0.0	0.0	0.0	-138.2	278.5	278.4	5.9
1.0	15.0	0.0	3.0	0.0	-120.7	252.9	251.4	3.6
1.0	15.0	4.0	0.0	0.0	-174.1	359.8	358.3	14.2
1.0	15.0	4.0	0.0	0.0	-145.6	302.8	301.2	6.5
1.0	15.0	0.0	0.0	0.0	-136.4	274.8	274.8	5.1
1.0	15.0	0.0	5.0	0.0	-115.7	242.8	241.3	2.8
1.0	15.0	1.0	0.0	0.0	-114.8	249.7	245.7	3.2
1.0	15.0	1.0	0.0	0.0	-106.2	232.4	228.4	2.4
1.0	15.0	0.0	0.0	0.0	-189.6	381.3	381.2	14.3
1.0	15.0	0.0	2.0	0.0	-133.6	278.7	277.1	4.6
1.0	15.0	7.0	0.0	0.0	-181.9	375.4	373.9	19.9
1.0	15.0	6.0	0.0	0.0	-153.1	317.7	316.2	14.8
1.0	15.0	0.0	0.0	0.0	-148.5	299.0	298.9	6.9
1.0	15.0	0.0	0.0	0.0	-117.3	236.7	236.7	3.2
1.0	15.0	1.0	0.0	0.0	-107.8	235.7	231.7	2.3
1.0	15.0	1.0	0.0	0.0	-103.2	226.3	222.3	1.9
1.0	15.0	1.0	0.0	0.0	-178.5	359.2	359.1	11.9
1.0	15.0	0.0	0.0	0.0	-124.6	251.3	251.2	4.9
1.0	15.0	2.0	0.0	0.0	-128.9	269.4	267.8	3.9
1.0	15.0	2.0	0.0	0.0	-114.8	241.1	239.5	2.6
1.0	15.0	0.0	0.0	0.0	-134.6	271.4	271.3	5.7
1.0	15.0	0.0	0.0	0.0	-141.5	285.2	285.1	7.9
1.0	15.0	1.0	0.0	0.0	-150.4	312.3	310.7	8.9
1.0	15.0	1.0	0.0	0.0	-139.1	289.7	288.1	7.3
1.0	15.0	0.0	0.0	0.0	-147.9	297.9	297.8	6.2
1.0	15.0	0.0	0.0	0.0	-111.6	225.3	225.3	3.4
1.0	15.0	1.0	0.0	0.0	-149.7	310.9	309.3	7.6
1.0	15.0	1.0	0.0	0.0	-116.0	243.6	242.0	3.8
1.0	15.0	0.0	0.0	0.0	-139.5	281.2	281.1	6.0
1.0	15.0	0.0	1.0	0.0	-114.6	240.8	239.3	2.8
1.0	15.0	1.0	0.0	0.0	-142.7	297.0	295.5	5.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-132.6	276.7	275.2	4.4
1.0	15.0	0.0	1.0	0.0	-157.6	317.4	317.3	10.9
1.0	15.0	0.0	9.0	0.0	-166.5	344.5	342.9	14.3
1.0	15.0	3.0	3.0	0.0	-180.6	381.2	377.2	19.5
1.0	15.0	4.0	2.0	0.0	-157.0	334.0	330.0	15.0
1.0	15.0	0.0	3.0	0.0	-159.0	329.5	327.9	11.2
1.0	15.0	0.0	2.0	0.0	-115.4	242.4	240.8	3.4
0.7	15.0	2.0	1.0	0.0	-106.6	233.2	229.2	3.0
1.0	15.0	1.0	0.0	0.0	-113.0	237.6	236.1	5.1
1.0	15.0	0.0	3.0	0.0	-143.4	298.4	296.9	5.8
1.0	15.0	0.0	4.0	0.0	-119.3	250.1	248.5	3.2
1.0	15.0	0.0	3.0	0.0	-102.2	215.9	214.3	1.8
1.0	15.0	2.0	0.0	0.0	-105.8	223.2	221.6	2.1
1.0	15.0	0.0	3.0	0.0	-157.0	325.5	324.0	8.9
1.0	15.0	0.0	2.0	0.0	-118.0	247.5	246.0	3.5
1.0	15.0	2.0	0.0	0.0	-156.9	325.3	323.7	13.2
1.0	15.0	2.0	0.0	0.0	-151.3	314.2	312.6	11.8
1.0	15.0	0.0	1.0	0.0	-150.4	312.3	310.7	7.2
1.0	15.0	0.0	6.0	0.0	-135.3	290.5	286.5	9.6
1.0	15.0	7.0	1.0	0.0	-196.5	412.9	408.9	30.3
1.0	15.0	6.0	0.0	0.0	-162.9	345.8	341.8	10.5
1.0	15.0	0.0	0.0	0.0	-161.7	325.5	325.4	16.5
1.0	15.0	0.0	4.0	0.0	-142.6	296.7	295.1	8.2
1.0	15.0	2.0	1.0	0.0	-121.5	262.9	258.9	3.5
1.0	15.0	3.0	0.0	0.0	-120.6	252.8	251.2	3.6
1.0	15.0	0.0	1.0	0.0	-158.3	328.2	326.7	7.9
1.0	15.0	0.0	0.0	0.0	-138.2	278.6	278.5	5.4
1.0	15.0	4.0	0.0	0.0	-134.6	280.8	279.2	4.6
1.0	15.0	2.0	0.0	0.0	-142.8	297.2	295.7	5.5
1.0	15.0	0.0	0.0	0.0	-124.0	250.1	250.0	4.9
1.0	15.0	0.0	4.0	0.0	-114.0	239.5	238.0	3.0
1.0	15.0	5.0	0.0	0.0	-143.4	298.4	296.8	6.5
1.0	15.0	4.0	0.0	0.0	-135.2	281.8	280.3	5.3
1.0	15.0	0.0	0.0	0.0	-131.3	264.6	264.5	5.1
1.0	15.0	0.0	0.0	0.0	-142.0	286.2	286.1	5.7
0.9	15.0	2.0	0.0	0.0	-161.2	334.0	332.5	10.0
1.0	15.0	2.0	0.0	0.0	-117.3	246.2	244.7	3.2
1.0	15.0	0.0	0.0	0.0	-154.4	311.0	310.9	7.7
1.0	15.0	0.0	0.0	0.0	-132.7	267.5	267.4	4.9
1.0	15.0	1.0	0.0	0.0	-153.1	317.7	316.1	8.9
1.0	15.0	1.0	0.0	0.0	-124.6	260.7	259.2	5.2
1.0	15.0	0.0	0.0	0.0	-152.6	307.3	307.2	6.9
0.9	15.0	0.0	2.0	0.0	-123.1	257.7	256.2	3.8
1.0	15.0	3.0	0.0	0.0	-159.8	339.7	335.7	13.2
1.0	15.0	3.0	0.0	0.0	-129.5	278.9	274.9	9.2
1.0	15.0	0.0	0.0	0.0	-155.5	313.1	313.0	7.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-141.1	284.3	284.2	6.7
0.9	15.0	5.0	0.0	0.0	-181.8	375.0	373.5	13.7
1.0	15.0	4.0	0.0	0.0	-162.0	335.6	334.0	9.5
1.0	15.0	0.0	0.0	0.0	-169.9	341.8	341.7	10.0
0.8	15.0	0.0	5.0	0.0	-139.3	290.1	288.5	5.1
0.5	15.0	8.0	0.0	0.0	-177.5	375.0	371.0	13.4
0.9	15.0	7.0	0.0	0.0	-150.1	320.2	316.2	10.9
1.0	15.0	0.0	0.0	0.0	-166.7	335.4	335.3	11.9
1.0	15.0	0.0	3.0	0.0	-147.2	305.9	304.4	6.9
1.0	15.0	7.0	0.0	0.0	-162.9	337.3	335.8	11.6
0.6	15.0	7.0	0.0	0.0	-140.2	300.3	296.3	11.5
1.0	15.0	0.0	0.0	0.0	-152.4	307.0	306.9	6.5
1.0	15.0	0.0	3.0	0.0	-123.5	258.4	256.9	3.8
0.9	15.0	3.0	0.0	0.0	-176.3	364.2	362.6	16.5
1.0	15.0	3.0	0.0	0.0	-139.0	289.6	288.0	6.6
1.0	15.0	0.0	0.0	0.0	-150.4	303.0	302.9	6.6
1.0	15.0	0.0	3.0	0.0	-130.0	271.6	270.1	5.9
1.0	15.0	4.0	0.0	0.0	-170.7	352.8	351.3	12.2
1.0	15.0	4.0	0.0	0.0	-149.6	310.8	309.2	14.0
1.0	15.0	0.0	0.0	0.0	-154.6	311.2	311.1	7.1
1.0	15.0	0.0	2.0	0.0	-123.4	258.3	256.7	4.1
0.9	15.0	2.0	0.0	0.0	-149.5	318.9	314.9	6.9
1.0	15.0	2.0	0.0	0.0	-142.7	296.9	295.4	5.9
1.0	15.0	0.0	2.0	0.0	-131.8	275.2	273.7	5.1
1.0	15.0	0.0	1.0	0.0	-142.3	296.1	294.6	6.8
1.0	15.0	0.0	0.0	0.0	-82.5	167.1	167.0	1.7
0.7	15.0	1.0	0.0	0.0	-107.3	226.2	224.7	16.3
1.0	15.0	0.0	1.0	0.0	-181.2	373.8	372.3	16.2
1.0	15.0	0.0	0.0	0.0	-851.1	1704.2	1704.2	3.6
1.0	15.0	2.0	0.0	0.0	-1199.1	2408.3	2408.1	11.7
1.0	15.0	2.0	0.0	0.0	-995.9	2002.0	2001.8	6.6
1.0	15.0	0.0	0.0	0.0	-1037.5	2076.9	2076.9	6.9
1.0	15.0	0.0	0.0	0.0	-532.7	1067.3	1067.3	4.8
1.0	15.0	2.0	0.0	0.0	-645.6	1301.6	1301.3	10.3
1.0	15.0	2.0	0.0	0.0	-527.3	1064.9	1064.5	5.5
1.0	15.0	0.0	0.0	0.0	-635.4	1272.9	1272.9	8.2
1.0	15.0	0.0	0.0	0.0	-804.7	1611.4	1611.4	5.4
1.0	15.0	3.0	0.0	0.0	-1057.4	2125.0	2124.8	13.0
1.0	15.0	2.0	0.0	0.0	-897.7	1805.6	1805.4	7.4
1.0	15.0	0.0	0.0	0.0	-1017.3	2036.5	2036.5	10.4
1.0	15.0	0.0	1.0	0.0	-128.1	267.8	266.2	5.5
1.0	15.0	2.0	0.0	0.0	-157.4	326.2	324.7	8.0
1.0	15.0	2.0	0.0	0.0	-147.6	306.8	305.3	6.8
1.0	15.0	0.0	0.0	0.0	-163.6	329.3	329.2	9.4
0.9	15.0	0.0	2.0	0.0	-121.4	254.4	252.8	3.7
1.0	15.0	3.0	0.0	0.0	-165.4	342.3	340.7	10.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	3.0	0.0	0.0	-121.5	254.6	253.0	3.8
1.0	15.0	0.0	0.0	0.0	-144.9	291.9	291.8	6.4
1.0	15.0	0.0	3.0	0.0	-118.2	247.9	246.3	3.2
1.0	15.0	6.0	0.0	0.0	-158.8	337.7	333.7	14.6
0.9	15.0	5.0	0.0	0.0	-149.4	310.3	308.8	17.0
1.0	15.0	0.0	0.0	0.0	-160.2	322.5	322.4	10.0
1.0	15.0	0.0	0.0	0.0	-135.7	273.5	273.4	5.2
0.9	15.0	1.0	0.0	0.0	-149.8	311.1	309.6	8.1
1.0	15.0	1.0	0.0	0.0	-138.2	288.0	286.4	6.2
1.0	15.0	0.0	0.0	0.0	-145.1	292.4	292.3	6.9
1.0	15.0	0.0	2.0	0.0	-130.6	272.8	271.2	9.9
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.3	6.6
1.0	15.0	2.0	0.0	0.0	-151.2	313.9	312.4	12.4
0.8	15.0	0.0	8.0	0.0	-165.8	343.1	341.5	17.9
1.0	15.0	0.0	2.0	0.0	-132.2	275.9	274.3	5.8
0.9	15.0	1.0	2.0	0.0	-201.3	422.5	418.5	29.0
1.0	15.0	1.0	2.0	0.0	-164.8	349.5	345.5	11.7
1.0	15.0	0.0	3.0	0.0	-175.0	361.5	360.0	11.7
1.0	15.0	0.0	2.0	0.0	-144.5	300.4	298.9	5.6
0.9	15.0	0.0	3.0	0.0	-122.2	255.9	254.4	4.3
1.0	15.0	1.0	0.0	0.0	-143.3	298.1	296.6	20.4
1.0	15.0	0.0	2.0	0.0	-172.8	357.2	355.7	10.8
1.0	15.0	0.0	2.0	0.0	-135.0	281.5	280.0	8.8
1.0	15.0	0.0	0.0	0.0	-80.4	162.8	162.7	1.7
1.0	15.0	2.0	0.0	0.0	-99.8	211.0	209.5	23.0
1.0	15.0	0.0	3.0	0.0	-146.2	304.0	302.5	12.5
1.0	15.0	0.0	3.0	0.0	-120.4	252.4	250.8	3.6
1.0	15.0	2.0	0.0	0.0	-97.3	206.1	204.5	3.1
1.0	15.0	3.0	0.0	0.0	-137.1	285.7	284.2	18.0
1.0	15.0	0.0	4.0	0.0	-186.3	384.0	382.5	15.3
1.0	15.0	0.0	2.0	0.0	-144.1	299.8	298.3	10.1
1.0	15.0	0.0	0.0	0.0	-83.9	169.8	169.7	1.7
1.0	15.0	2.0	0.0	0.0	-84.9	181.3	179.8	3.4
1.0	15.0	0.0	2.0	0.0	-169.5	350.6	348.9	16.3
0.7	15.0	0.0	3.0	0.0	-142.2	304.4	300.4	13.6
1.0	15.0	0.0	1.0	0.0	-119.7	241.6	241.5	5.6
0.9	15.0	2.0	0.0	0.0	-140.0	291.6	290.0	28.3
1.0	15.0	0.0	3.0	0.0	-155.1	321.8	320.3	16.8
0.9	15.0	0.0	4.0	0.0	-165.6	342.8	341.3	14.0
1.0	15.0	2.0	3.0	0.0	-197.3	414.6	410.6	27.6
1.0	15.0	4.0	2.0	0.0	-173.4	366.7	362.7	21.0
1.0	15.0	0.0	4.0	0.0	-175.3	362.2	360.7	11.1
1.0	15.0	0.0	4.0	0.0	-135.4	282.4	280.8	4.9
1.0	15.0	2.0	1.0	0.0	-85.3	190.6	186.6	1.6
1.0	15.0	4.0	0.0	0.0	-87.2	185.9	184.3	2.1
1.0	15.0	0.0	7.0	0.0	-181.8	375.2	373.7	14.6

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-143.4	289.0	288.9	6.4
1.0	15.0	3.0	0.0	0.0	-131.4	274.4	272.8	5.6
1.0	15.0	2.0	0.0	0.0	-132.5	276.5	275.0	5.1
1.0	15.0	0.0	0.0	0.0	-117.6	237.2	237.1	3.6
1.0	15.0	0.0	0.0	0.0	-126.6	255.2	255.1	3.8
1.0	15.0	1.0	0.0	0.0	-163.7	338.8	337.3	9.7
1.0	15.0	2.0	0.0	0.0	-118.0	247.5	246.0	5.6
1.0	15.0	0.0	0.0	0.0	-133.0	268.2	268.1	4.7
1.0	15.0	0.0	1.0	0.0	-132.0	275.5	274.0	5.1
1.0	15.0	4.0	0.0	0.0	-183.0	385.9	381.9	24.7
0.8	15.0	4.0	0.0	0.0	-151.1	313.7	312.2	7.3
1.0	15.0	0.0	2.0	0.0	-144.7	301.0	299.5	7.5
1.0	15.0	0.0	2.0	0.0	-128.0	267.5	265.9	4.1
0.9	15.0	3.0	0.0	0.0	-132.6	276.7	275.2	4.4
1.0	15.0	2.0	0.0	0.0	-114.7	241.0	239.5	2.8
1.0	15.0	0.0	0.0	0.0	-137.4	276.9	276.8	5.8
1.0	15.0	0.0	1.0	0.0	-155.3	312.7	312.6	7.9
1.0	15.0	1.0	0.0	0.0	-117.7	247.0	245.5	5.0
1.0	15.0	1.0	0.0	0.0	-127.2	265.9	264.4	6.3
1.0	15.0	0.0	0.0	0.0	-170.8	343.7	343.6	11.6
1.0	15.0	0.0	1.0	0.0	-114.7	240.9	239.4	4.0
1.0	15.0	0.0	1.0	0.0	-127.9	267.4	265.9	4.3
1.0	15.0	1.0	0.0	0.0	-121.3	254.1	252.5	4.3
1.0	15.0	0.0	1.0	0.0	-130.8	273.2	271.7	5.5
1.0	15.0	0.0	2.0	0.0	-137.4	286.4	284.9	5.5
1.0	15.0	3.0	1.0	0.0	-178.0	376.0	372.0	31.4
1.0	15.0	3.0	0.0	0.0	-138.3	296.5	292.5	8.8
1.0	15.0	0.0	1.0	0.0	-124.6	260.8	259.3	7.4
1.0	15.0	0.0	1.0	0.0	-153.9	319.3	317.7	7.4
1.0	15.0	0.0	0.0	0.0	-118.9	239.8	239.7	3.2
1.0	15.0	1.0	0.0	0.0	-118.0	247.6	246.0	4.2
1.0	15.0	0.0	1.0	0.0	-174.7	360.9	359.4	10.8
1.0	15.0	0.0	1.0	0.0	-123.9	259.4	257.8	6.3
1.0	15.0	0.0	0.0	0.0	-64.9	132.0	131.9	1.1
0.7	15.0	1.0	0.0	0.0	-80.5	172.5	171.0	10.1
1.0	15.0	0.0	1.0	0.0	-168.5	348.5	346.9	12.4
1.0	15.0	0.0	1.0	0.0	-134.9	281.4	279.9	4.9
1.0	15.0	0.0	0.0	0.0	-62.6	127.4	127.3	0.8
0.5	15.0	1.0	0.0	0.0	-70.8	153.2	151.7	1.7
1.0	15.0	0.0	1.0	0.0	-137.0	285.7	284.1	10.7
1.0	15.0	1.0	0.0	0.0	-122.5	256.5	254.9	10.1
1.0	15.0	2.0	0.0	0.0	-131.3	274.2	272.7	6.2
1.0	15.0	0.0	0.0	0.0	-107.9	218.0	217.9	3.1
1.0	15.0	0.0	0.0	0.0	-141.2	284.5	284.4	5.4
1.0	15.0	1.0	0.0	0.0	-136.3	284.2	282.7	14.6
1.0	15.0	2.0	0.0	0.0	-155.9	323.4	321.9	7.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.8	15.0	0.0	1.0	0.0	-141.9	285.8	285.7	14.5
1.0	15.0	0.0	0.0	0.0	-130.9	263.9	263.8	5.4
1.0	15.0	1.0	0.0	0.0	-140.1	291.7	290.2	6.3
1.0	15.0	1.0	0.0	0.0	-111.6	234.8	233.3	2.8
1.0	15.0	0.0	0.0	0.0	-121.0	244.0	243.9	5.1
1.0	15.0	0.0	0.0	0.0	-183.6	369.3	369.2	13.6
1.0	15.0	0.0	2.0	0.0	-135.7	283.0	281.5	6.2
0.8	15.0	3.0	0.0	0.0	-162.4	344.8	340.8	9.0
1.0	15.0	2.0	0.0	0.0	-154.0	319.6	318.1	7.6
1.0	15.0	0.0	1.0	0.0	-169.8	351.1	349.5	12.5
0.7	15.0	0.0	1.0	0.0	-132.9	277.3	275.7	7.1
1.0	15.0	3.0	1.0	0.0	-177.0	374.1	370.1	26.9
1.0	15.0	1.0	1.0	0.0	-130.1	280.2	276.2	7.0
1.0	15.0	0.0	2.0	0.0	-130.7	273.0	271.5	7.4
1.0	15.0	0.0	1.0	0.0	-141.0	293.6	292.0	5.2
1.0	15.0	0.0	0.0	0.0	-122.4	246.8	246.7	3.7
1.0	15.0	1.0	0.0	0.0	-93.4	198.4	196.9	2.2
1.0	15.0	0.0	1.0	0.0	-185.7	382.9	381.4	13.4
1.0	15.0	0.0	1.0	0.0	-128.9	269.4	267.8	5.5
1.0	15.0	0.0	0.0	0.0	-78.5	159.1	159.1	5.3
1.0	15.0	1.0	0.0	0.0	-72.2	155.8	154.3	2.3
1.0	15.0	0.0	1.0	0.0	-150.3	302.6	302.5	17.8
1.0	15.0	0.0	0.0	0.0	-143.0	288.2	288.1	5.1
0.8	15.0	5.0	0.0	0.0	-194.1	399.7	398.2	18.0
1.0	15.0	5.0	0.0	0.0	-168.9	349.3	347.8	11.0
1.0	15.0	0.0	0.0	0.0	-150.0	302.1	302.1	6.7
1.0	15.0	0.0	1.0	0.0	-130.9	273.4	271.8	6.1
1.0	15.0	2.0	1.0	0.0	-195.3	410.6	406.6	23.6
1.0	15.0	1.0	1.0	0.0	-159.5	338.9	334.9	10.3
1.0	15.0	0.0	3.0	0.0	-171.0	353.5	352.0	10.4
1.0	15.0	0.0	1.0	0.0	-137.5	286.6	285.1	6.6
1.0	15.0	2.0	1.0	0.0	-147.0	314.0	310.0	6.8
1.0	15.0	3.0	0.0	0.0	-150.6	312.7	311.2	7.7
1.0	15.0	0.0	1.0	0.0	-131.9	275.3	273.8	5.6
1.0	15.0	0.0	2.0	0.0	-141.3	294.0	292.5	10.8
1.0	15.0	2.0	2.0	0.0	-193.0	406.0	402.0	41.7
0.7	15.0	1.0	3.0	0.0	-158.3	336.5	332.5	14.3
1.0	15.0	0.0	3.0	0.0	-173.3	358.1	356.5	14.3
1.0	15.0	0.0	1.0	0.0	-132.2	276.0	274.5	5.1
1.0	15.0	0.0	1.0	0.0	-110.2	232.0	230.5	2.7
1.0	15.0	1.0	0.0	0.0	-114.5	240.5	238.9	7.9
1.0	15.0	0.0	1.0	0.0	-152.2	316.0	314.4	7.1
1.0	15.0	0.0	1.0	0.0	-120.7	253.0	251.4	4.9
1.0	15.0	0.0	0.0	0.0	-62.4	126.8	126.7	0.9
0.7	15.0	1.0	0.0	0.0	-79.8	171.1	169.6	7.5
1.0	15.0	0.0	2.0	0.0	-137.7	286.9	285.4	6.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-115.9	243.3	241.7	3.4
1.0	15.0	0.0	0.0	0.0	-85.3	172.7	172.6	2.0
1.0	15.0	1.0	0.0	0.0	-101.6	214.7	213.2	5.3
1.0	15.0	0.0	1.0	0.0	-156.7	324.9	323.3	7.5
1.0	15.0	0.0	1.0	0.0	-120.7	252.9	251.3	3.3
1.0	15.0	0.0	1.0	0.0	-102.3	216.1	214.6	1.9
1.0	15.0	1.0	0.0	0.0	-106.9	225.3	223.8	5.0
1.0	15.0	0.0	1.0	0.0	-142.0	295.4	293.9	5.4
1.0	15.0	0.0	0.0	0.0	-121.8	245.8	245.7	4.7
0.8	15.0	2.0	1.0	0.0	-189.8	399.7	395.7	23.0
0.6	15.0	2.0	1.0	0.0	-142.2	304.5	300.5	16.0
1.0	15.0	0.0	1.0	0.0	-148.2	308.0	306.4	8.4
1.0	15.0	0.0	2.0	0.0	-130.9	273.3	271.8	4.3
1.0	15.0	2.0	0.0	0.0	-148.4	308.3	306.7	7.0
1.0	15.0	2.0	0.0	0.0	-150.8	313.1	311.5	7.0
1.0	15.0	0.0	0.0	0.0	-183.7	369.4	369.3	13.8
1.0	15.0	0.0	3.0	0.0	-121.0	253.5	252.0	3.3
1.0	15.0	0.0	1.0	0.0	-148.3	298.7	298.6	8.4
0.8	15.0	2.0	0.0	0.0	-118.5	257.1	253.1	4.0
1.0	15.0	0.0	2.0	0.0	-141.3	294.0	292.5	7.0
1.0	15.0	0.0	2.0	0.0	-127.0	265.5	264.0	7.5
1.0	15.0	0.0	0.0	0.0	-58.9	119.9	119.8	0.8
1.0	15.0	2.0	0.0	0.0	-99.9	211.4	209.9	14.1
1.0	15.0	0.0	2.0	0.0	-125.0	261.6	260.1	8.9
1.0	15.0	0.0	2.0	0.0	-111.3	234.1	232.5	3.0
1.0	15.0	0.0	0.0	0.0	-106.1	214.3	214.2	3.1
1.0	15.0	1.0	0.0	0.0	-106.7	225.0	223.5	4.6
1.0	15.0	0.0	1.0	0.0	-159.9	321.9	321.8	10.7
1.0	15.0	0.0	2.0	0.0	-133.7	278.9	277.4	4.8
1.0	15.0	3.0	1.0	0.0	-185.2	390.3	386.3	15.2
1.0	15.0	4.0	0.0	0.0	-159.8	331.1	329.5	11.7
1.0	15.0	0.0	0.0	0.0	-132.1	266.2	266.1	4.7
1.0	15.0	0.0	1.0	0.0	-108.7	229.0	227.5	2.5
1.0	15.0	0.0	0.0	0.0	-98.7	199.5	199.4	3.2
1.0	15.0	1.0	0.0	0.0	-101.7	214.8	213.3	1.9
1.0	15.0	0.0	0.0	0.0	-127.8	257.7	257.6	4.3
0.9	15.0	0.0	3.0	0.0	-133.3	278.2	276.7	10.2
1.0	15.0	2.0	2.0	0.0	-142.7	305.4	301.4	7.9
1.0	15.0	3.0	0.0	0.0	-142.7	297.0	295.4	8.2
1.0	15.0	0.0	2.0	0.0	-146.0	303.5	301.9	6.8
1.0	15.0	0.0	2.0	0.0	-141.4	294.2	292.7	5.6
1.0	15.0	0.0	2.0	0.0	-178.9	369.4	367.8	17.4
1.0	15.0	3.0	0.0	0.0	-131.3	274.2	272.7	5.5
1.0	15.0	0.0	3.0	0.0	-136.3	284.1	282.5	7.0
1.0	15.0	0.0	2.0	0.0	-146.5	304.5	303.0	7.5
1.0	15.0	0.0	2.0	0.0	-119.2	250.0	248.4	4.5

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-123.3	258.1	256.6	7.7
1.0	15.0	0.0	2.0	0.0	-150.7	313.0	311.5	9.6
1.0	15.0	0.0	2.0	0.0	-129.0	269.5	268.0	10.9
1.0	15.0	0.0	0.0	0.0	-65.9	134.0	133.9	1.1
1.0	15.0	2.0	0.0	0.0	-94.5	200.5	198.9	5.9
1.0	15.0	0.0	2.0	0.0	-135.7	282.9	281.4	10.5
1.0	15.0	0.0	2.0	0.0	-136.0	283.6	282.0	5.9
1.0	15.0	0.0	0.0	0.0	-101.0	204.1	204.0	3.6
1.0	15.0	2.0	0.0	0.0	-112.3	236.1	234.6	5.6
1.0	15.0	0.0	2.0	0.0	-166.4	344.4	342.8	10.4
1.0	15.0	0.0	1.0	0.0	-141.7	294.9	293.4	12.4
1.0	15.0	0.0	0.0	0.0	-87.8	177.7	177.7	2.1
1.0	15.0	1.0	0.0	0.0	-84.7	180.9	179.3	3.5
1.0	15.0	0.0	1.0	0.0	-162.2	336.1	334.5	14.6
1.0	15.0	0.0	2.0	0.0	-122.1	255.8	254.3	6.2
1.0	15.0	0.0	2.0	0.0	-100.8	213.1	211.6	1.6
1.0	15.0	1.0	0.0	0.0	-117.3	246.2	244.6	12.8
1.0	15.0	0.0	2.0	0.0	-149.6	310.8	309.2	9.4
0.9	15.0	0.0	2.0	0.0	-145.7	302.9	301.3	10.2
1.0	15.0	2.0	3.0	0.0	-207.3	434.6	430.6	58.5
1.0	15.0	2.0	2.0	0.0	-170.4	360.7	356.7	25.6
1.0	15.0	0.0	3.0	0.0	-140.3	292.1	290.5	12.0
1.0	15.0	0.0	2.0	0.0	-137.9	287.4	285.9	7.2
1.0	15.0	1.0	0.0	0.0	-118.2	247.9	246.4	6.9
0.8	15.0	1.0	0.0	0.0	-131.9	275.3	273.8	25.0
1.0	15.0	0.0	0.0	0.0	-152.7	307.4	307.3	7.3
1.0	15.0	0.0	2.0	0.0	-135.9	283.4	281.8	11.8
1.0	15.0	0.0	0.0	0.0	-79.1	160.3	160.2	4.3
1.0	15.0	1.0	0.0	0.0	-105.3	222.1	220.6	14.0
0.7	15.0	0.0	4.0	0.0	-128.1	276.2	272.2	7.6
0.6	15.0	0.0	3.0	0.0	-147.1	314.2	310.2	13.5
1.0	15.0	1.0	0.0	0.0	-94.8	201.2	199.6	2.5
1.0	15.0	2.0	0.0	0.0	-127.7	267.0	265.5	25.8
1.0	15.0	0.0	0.0	0.0	-174.4	350.9	350.8	11.9
1.0	15.0	0.0	3.0	0.0	-155.5	322.5	320.9	11.9
1.0	15.0	0.0	0.0	0.0	-115.3	232.8	232.7	5.3
1.0	15.0	2.0	0.0	0.0	-134.7	280.9	279.3	29.3
1.0	15.0	0.0	0.0	0.0	-162.0	326.0	325.9	9.0
1.0	15.0	0.0	3.0	0.0	-119.2	250.0	248.4	3.4
1.0	15.0	2.0	1.0	0.0	-145.5	311.1	307.1	7.3
0.9	15.0	3.0	0.0	0.0	-133.1	277.8	276.3	5.6
1.0	15.0	0.0	2.0	0.0	-130.2	272.0	270.5	5.0
1.0	15.0	1.0	2.0	0.0	-132.8	277.1	275.5	6.5
1.0	15.0	2.0	2.0	0.0	-189.2	398.4	394.4	34.1
1.0	15.0	1.0	1.0	0.0	-152.1	324.1	320.1	18.7
1.0	15.0	0.0	3.0	0.0	-134.6	280.7	279.1	8.0



win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	1.0	0.0	-129.3	270.2	268.7	4.1
1.0	15.0	0.0	1.0	0.0	-109.9	231.4	229.8	3.0
0.7	15.0	1.0	0.0	0.0	-115.6	242.7	241.1	8.3
1.0	15.0	0.0	1.0	0.0	-165.2	341.9	340.3	10.6
1.0	15.0	0.0	1.0	0.0	-104.2	220.0	218.5	2.1
0.9	15.0	3.0	0.0	0.0	-73.3	158.2	156.7	0.6
1.0	15.0	1.0	0.0	0.0	-82.3	176.1	174.6	3.5
1.0	15.0	0.0	2.0	0.0	-142.6	296.7	295.2	8.7
1.0	15.0	0.0	1.0	0.0	-109.8	231.1	229.5	2.7
1.0	15.0	0.0	0.0	0.0	-85.8	173.7	173.6	2.1
1.0	15.0	1.0	0.0	0.0	-104.5	220.6	219.0	5.3
1.0	15.0	0.0	1.0	0.0	-173.2	358.0	356.5	13.6
1.0	15.0	0.0	1.0	0.0	-134.2	279.9	278.4	5.8
1.0	15.0	0.0	0.0	0.0	-77.6	157.4	157.3	2.0
1.0	15.0	1.0	0.0	0.0	-74.2	159.9	158.4	1.5
1.0	15.0	0.0	1.0	0.0	-143.8	299.2	297.6	8.0
1.0	15.0	0.0	1.0	0.0	-118.6	248.8	247.2	3.4
1.0	15.0	0.0	0.0	0.0	-89.2	180.5	180.5	2.5
0.6	15.0	1.0	0.0	0.0	-97.0	205.4	203.9	14.5
1.0	15.0	0.0	1.0	0.0	-146.8	305.2	303.6	5.8
1.0	15.0	0.0	1.0	0.0	-110.3	232.2	230.7	2.7
1.0	15.0	0.0	0.0	0.0	-92.4	187.0	186.9	3.6
1.0	15.0	1.0	0.0	0.0	-81.9	175.4	173.9	1.6
1.0	15.0	0.0	1.0	0.0	-132.1	275.7	274.2	4.7
1.0	15.0	0.0	3.0	0.0	-126.6	264.7	263.2	4.2
1.0	15.0	0.0	1.0	0.0	-150.4	312.3	310.7	7.2
1.0	15.0	2.0	0.0	0.0	-134.5	289.0	285.0	4.8
1.0	15.0	0.0	1.0	0.0	-150.1	302.4	302.3	8.2
1.0	15.0	0.0	0.0	0.0	-143.4	288.9	288.8	5.5
1.0	15.0	8.0	0.0	0.0	-176.3	364.2	362.7	12.2
1.0	15.0	7.0	0.0	0.0	-169.4	350.4	348.8	11.0
1.0	15.0	0.0	9.0	0.0	-150.9	313.4	311.9	7.3
1.0	15.0	0.0	4.0	0.0	-127.4	266.3	264.8	4.8
0.5	15.0	5.0	0.0	0.0	-134.2	288.4	284.4	6.8
1.0	15.0	6.0	0.0	0.0	-122.1	255.7	254.2	4.4
1.0	15.0	0.0	6.0	0.0	-144.9	301.4	299.8	6.6
1.0	15.0	0.0	0.0	0.0	-121.5	245.1	245.0	5.2
0.6	15.0	3.0	0.0	0.0	-199.2	410.0	408.4	26.2
0.9	15.0	2.0	1.0	0.0	-145.4	302.4	300.8	15.7
1.0	15.0	0.0	0.0	0.0	-173.7	349.5	349.5	11.0
1.0	15.0	0.0	3.0	0.0	-146.0	303.5	301.9	7.9
0.5	15.0	2.0	3.0	0.0	-223.4	466.8	462.8	52.6
1.0	15.0	1.0	0.0	0.0	-201.8	405.7	405.6	30.5
1.0	15.0	0.0	2.0	0.0	-183.8	379.1	377.6	15.9
1.0	15.0	0.0	5.0	0.0	-158.7	329.0	327.4	9.6
1.0	15.0	6.0	0.0	0.0	-187.4	394.8	390.8	25.3

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.9	15.0	8.0	0.0	0.0	-188.1	396.2	392.2	21.5
1.0	15.0	4.0	2.0	0.0	-176.2	372.5	368.5	18.7
0.9	15.0	0.0	2.0	0.0	-124.1	259.7	258.1	3.6
1.0	15.0	2.0	0.0	0.0	-162.6	336.7	335.1	10.4
1.0	15.0	2.0	0.0	0.0	-135.8	283.0	281.5	5.0
1.0	15.0	0.0	0.0	0.0	-130.3	262.7	262.6	5.0
0.9	15.0	0.0	4.0	0.0	-120.6	252.7	251.1	3.4
1.0	15.0	3.0	0.0	0.0	-125.0	261.6	260.0	4.5
1.0	15.0	2.0	0.0	0.0	-104.8	221.1	219.6	2.3
1.0	15.0	1.0	0.0	0.0	-172.8	347.6	347.6	10.2
0.6	15.0	0.0	2.0	0.0	-111.4	234.4	232.8	3.0
1.0	15.0	3.0	0.0	0.0	-106.0	223.6	222.0	2.2
1.0	15.0	3.0	0.0	0.0	-97.5	206.5	205.0	1.2
1.0	15.0	0.0	0.0	0.0	-166.7	335.6	335.5	9.4
1.0	15.0	0.0	0.0	0.0	-118.1	238.3	238.2	3.3
1.0	15.0	5.0	0.0	0.0	-111.4	234.4	232.8	2.6
1.0	15.0	5.0	0.0	0.0	-105.0	221.5	220.0	2.0
1.0	15.0	0.0	0.0	0.0	-165.3	332.7	332.6	9.2
1.0	15.0	0.0	1.0	0.0	-118.0	247.5	245.9	3.6
1.0	15.0	2.0	0.0	0.0	-148.6	308.8	307.2	7.1
1.0	15.0	2.0	0.0	0.0	-136.5	284.6	283.1	6.5
1.0	15.0	0.0	1.0	0.0	-160.9	323.8	323.7	11.6
1.0	15.0	0.0	0.0	0.0	-119.7	241.5	241.4	9.2
1.0	15.0	1.0	0.0	0.0	-175.3	362.2	360.7	31.4
1.0	15.0	1.0	0.0	0.0	-141.2	293.9	292.4	10.4
1.0	15.0	0.0	1.0	0.0	-159.1	329.6	328.1	14.2
1.0	15.0	0.0	1.0	0.0	-113.4	238.4	236.8	3.6
1.0	15.0	0.0	0.0	0.0	-87.6	177.3	177.2	2.2
0.7	15.0	1.0	0.0	0.0	-87.0	185.5	184.0	2.9
1.0	15.0	0.0	0.0	0.0	-168.7	339.4	339.3	10.2
1.0	15.0	0.0	1.0	0.0	-125.8	263.1	261.5	7.2
1.0	15.0	0.0	0.0	0.0	-102.5	207.1	207.0	3.8
0.6	15.0	1.0	0.0	0.0	-107.5	226.5	224.9	10.8
1.0	15.0	0.0	1.0	0.0	-143.5	298.6	297.1	11.9
1.0	15.0	0.0	0.0	0.0	-131.5	265.2	265.1	4.8
1.0	15.0	3.0	0.0	0.0	-114.1	239.8	238.2	5.8
1.0	15.0	3.0	0.0	0.0	-119.5	250.5	248.9	4.3
1.0	15.0	0.0	0.0	0.0	-148.4	299.0	298.9	7.0
1.0	15.0	0.0	4.0	0.0	-132.4	276.3	274.7	4.9
0.9	15.0	6.0	0.0	0.0	-133.7	278.9	277.3	5.3
1.0	15.0	5.0	0.0	0.0	-154.4	320.3	318.8	10.5
1.0	15.0	0.0	0.0	0.0	-169.2	340.6	340.5	10.7
1.0	15.0	0.0	0.0	0.0	-113.5	229.1	229.0	3.3
1.0	15.0	1.0	0.0	0.0	-159.2	330.0	328.4	9.8
1.0	15.0	1.0	0.0	0.0	-117.3	246.2	244.7	7.1
1.0	15.0	0.0	0.0	0.0	-146.5	295.0	294.9	6.0

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
0.5	15.0	0.0	5.0	0.0	-125.4	270.8	266.8	3.8
1.0	15.0	2.0	2.0	0.0	-156.4	332.7	328.7	10.2
0.9	15.0	6.0	0.0	0.0	-156.3	332.7	328.7	11.8
0.8	15.0	0.0	3.0	0.0	-135.7	282.9	281.3	7.2
0.9	15.0	0.0	2.0	0.0	-140.9	293.2	291.7	16.9
0.9	15.0	0.0	3.0	0.0	-193.7	398.9	397.4	24.9
1.0	15.0	2.0	1.0	0.0	-142.7	296.9	295.4	8.0
1.0	15.0	0.0	3.0	0.0	-151.6	314.7	313.1	14.2
1.0	15.0	0.0	2.0	0.0	-142.4	296.3	294.8	7.8
1.0	15.0	0.0	1.0	0.0	-110.1	240.1	236.1	3.2
1.0	15.0	2.0	0.0	0.0	-143.9	299.3	297.8	28.8
1.0	15.0	0.0	4.0	0.0	-176.3	364.1	362.5	14.5
1.0	15.0	0.0	3.0	0.0	-112.6	236.7	235.1	3.3
1.0	15.0	0.0	0.0	0.0	-73.0	148.2	148.1	1.7
1.0	15.0	2.0	0.0	0.0	-93.6	198.8	197.3	8.4
0.9	15.0	0.0	5.0	0.0	-142.1	295.7	294.2	7.9
1.0	15.0	0.0	3.0	0.0	-120.8	253.1	251.6	5.7
1.0	15.0	0.0	0.0	0.0	-100.0	202.2	202.1	4.5
1.0	15.0	3.0	0.0	0.0	-140.5	292.6	291.0	23.2
1.0	15.0	0.0	3.0	0.0	-163.7	338.9	337.3	9.8
1.0	15.0	0.0	3.0	0.0	-123.4	258.4	256.8	3.9
1.0	15.0	0.0	0.0	0.0	-95.1	192.2	192.1	3.1
1.0	15.0	2.0	0.0	0.0	-78.5	168.5	167.0	3.2
1.0	15.0	0.0	2.0	0.0	-158.4	328.3	326.7	9.8
1.0	15.0	0.0	4.0	0.0	-147.4	306.3	304.8	8.4
1.0	15.0	1.0	1.0	0.0	-125.8	271.5	267.5	5.6
1.0	15.0	3.0	0.0	0.0	-167.9	347.4	345.9	31.0
1.0	15.0	0.0	4.0	0.0	-171.8	355.2	353.7	12.6
1.0	15.0	0.0	0.0	0.0	-137.0	276.0	275.9	5.2
1.0	15.0	2.0	0.0	0.0	-143.7	299.0	297.5	6.1
1.0	15.0	1.0	0.0	0.0	-106.0	223.6	222.0	3.0
1.0	15.0	0.0	0.0	0.0	-150.3	302.8	302.7	6.8
1.0	15.0	0.0	0.0	0.0	-136.7	275.5	275.4	4.6
1.0	15.0	2.0	0.0	0.0	-153.5	318.5	317.0	6.9
1.0	15.0	2.0	0.0	0.0	-115.3	242.2	240.7	3.0
1.0	15.0	0.0	0.0	0.0	-146.5	295.1	295.0	6.4
1.0	15.0	0.0	0.0	0.0	-142.4	286.9	286.9	5.4
1.0	15.0	1.0	0.0	0.0	-158.1	327.8	326.2	8.5
1.0	15.0	1.0	0.0	0.0	-144.9	301.4	299.8	5.7
1.0	15.0	0.0	0.0	0.0	-138.2	278.5	278.4	6.6
1.0	15.0	0.0	0.0	0.0	-114.3	230.7	230.6	3.4
1.0	15.0	2.0	0.0	0.0	-158.2	328.0	326.4	9.4
1.0	15.0	1.0	0.0	0.0	-128.7	259.5	259.4	10.8
1.0	15.0	0.0	0.0	0.0	-134.7	271.5	271.4	4.8
1.0	15.0	0.0	0.0	0.0	-133.4	269.0	268.9	5.0
1.0	15.0	1.0	0.0	0.0	-158.3	328.1	326.5	9.4

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	1.0	0.0	0.0	-116.9	245.4	243.9	4.1
1.0	15.0	0.0	0.0	0.0	-127.7	257.5	257.4	4.1
1.0	15.0	0.0	0.0	0.0	-126.9	255.9	255.8	4.8
1.0	15.0	1.0	0.0	0.0	-162.9	337.4	335.8	10.4
1.0	15.0	1.0	0.0	0.0	-121.2	253.9	252.3	4.8
1.0	15.0	0.0	0.0	0.0	-156.1	314.2	314.1	7.2
1.0	15.0	0.0	0.0	0.0	-145.3	292.6	292.5	6.1
1.0	15.0	2.0	0.0	0.0	-164.1	339.7	338.1	11.4
1.0	15.0	3.0	0.0	0.0	-120.4	252.2	250.7	5.0
1.0	15.0	0.0	0.0	0.0	-133.4	269.0	268.9	6.0
1.0	15.0	0.0	0.0	0.0	-137.3	276.6	276.5	5.1
1.0	15.0	2.0	0.0	0.0	-154.3	320.2	318.6	7.4
1.0	15.0	2.0	0.0	0.0	-128.6	268.7	267.1	4.7
1.0	15.0	0.0	0.0	0.0	-155.4	312.9	312.8	6.9
1.0	15.0	0.0	0.0	0.0	-131.7	265.6	265.5	5.2
1.0	15.0	2.0	0.0	0.0	-150.6	312.8	311.3	7.3
1.0	15.0	2.0	0.0	0.0	-114.3	240.1	238.5	4.3
1.0	15.0	0.0	0.0	0.0	-132.8	267.7	267.6	4.9
1.0	15.0	0.0	0.0	0.0	-113.9	229.8	229.7	4.0
1.0	15.0	1.0	0.0	0.0	-140.6	292.6	291.1	4.9
1.0	15.0	1.0	0.0	0.0	-112.0	235.6	234.1	3.2
1.0	15.0	0.0	0.0	0.0	-141.7	285.4	285.4	6.1
1.0	15.0	0.0	1.0	0.0	-126.9	265.4	263.9	4.4
1.0	15.0	3.0	0.0	0.0	-165.6	342.8	341.2	10.5
1.0	15.0	2.0	0.0	0.0	-127.4	266.4	264.9	5.0
1.0	15.0	0.0	0.0	0.0	-151.4	304.9	304.8	7.8
1.0	15.0	0.0	0.0	0.0	-144.9	291.8	291.7	5.8
1.0	15.0	2.0	0.0	0.0	-144.9	301.4	299.8	5.9
1.0	15.0	2.0	0.0	0.0	-145.8	303.2	301.7	5.5
1.0	15.0	0.0	0.0	0.0	-130.8	263.7	263.6	4.8
1.0	15.0	0.0	0.0	0.0	-158.7	319.5	319.4	7.4
1.0	15.0	2.0	0.0	0.0	-152.7	316.9	315.4	8.0
1.0	15.0	1.0	0.0	0.0	-134.0	279.5	277.9	7.3
1.0	15.0	0.0	0.0	0.0	-121.6	245.3	245.2	4.5
1.0	15.0	0.0	0.0	0.0	-110.5	223.0	222.9	2.7
1.0	15.0	1.0	0.0	0.0	-152.7	316.8	315.3	6.9
1.0	15.0	1.0	0.0	0.0	-118.4	248.3	246.7	4.4
1.0	15.0	0.0	0.0	0.0	-138.8	279.8	279.7	5.6
1.0	15.0	0.0	0.0	0.0	-133.1	268.3	268.2	4.4
1.0	15.0	2.0	0.0	0.0	-152.5	316.6	315.1	13.4
0.9	15.0	1.0	0.0	0.0	-111.6	234.8	233.3	5.1
1.0	15.0	0.0	0.0	0.0	-119.6	241.4	241.3	4.5
1.0	15.0	0.0	0.0	0.0	-116.4	234.9	234.8	3.6
1.0	15.0	1.0	0.0	0.0	-144.5	300.5	299.0	6.0
1.0	15.0	1.0	0.0	0.0	-108.8	229.1	227.5	2.5
1.0	15.0	0.0	0.0	0.0	-146.7	295.4	295.4	6.8

win.prb	ncnc	up.rmds	dn.rmds	fit	lik	aicc	aic	rmse
1.0	15.0	0.0	0.0	0.0	-131.0	264.1	264.0	4.5
1.0	15.0	1.0	0.0	0.0	-162.4	336.4	334.8	11.2
1.0	15.0	1.0	0.0	0.0	-116.8	245.2	243.6	3.5
1.0	15.0	0.0	0.0	0.0	-148.5	299.1	299.0	5.9
1.0	15.0	0.0	0.0	0.0	-135.2	272.5	272.4	5.2
1.0	15.0	2.0	0.0	0.0	-150.7	313.0	311.5	6.6
1.0	15.0	1.0	0.0	0.0	-114.0	239.5	238.0	3.6
1.0	15.0	0.0	0.0	0.0	-146.4	295.0	294.9	6.3
1.0	15.0	0.0	0.0	0.0	-119.2	240.6	240.5	4.2
0.8	15.0	1.0	0.0	0.0	-184.2	379.9	378.3	18.2
1.0	15.0	1.0	0.0	0.0	-180.3	362.6	362.6	15.0
1.0	15.0	0.0	0.0	0.0	-132.0	266.1	266.0	4.0

<b>ga</b>	<b>gw</b>	<b>zr</b>	<b>tp</b>	<b>la</b>	<b>lw</b>	<b>bt</b>	<b>er</b>
NA	NA	-0.2	NA	NA	NA	NA	1.3
-4.7	2.6	-3.1	45.9	NA	NA	NA	1.6
-4.5	2.1	-0.6	49.7	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	2.1
-4.3	1.2	-2.2	-24.7	NA	NA	NA	0.9
-4.5	0.7	-0.3	23.2	-4.2	10.0	-36.1	1.5
-4.8	2.1	0.7	33.0	-4.0	10.0	-1.6	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.3
-4.5	1.5	-0.2	-12.2	NA	NA	NA	1.0
-4.4	1.0	-0.2	119.3	NA	NA	NA	2.2
-4.4	1.1	0.5	101.3	NA	NA	NA	1.4
NA	NA	-1.0	NA	NA	NA	NA	1.7
-4.6	2.5	0.1	-31.8	NA	NA	NA	1.0
-4.6	3.2	-0.6	59.3	-4.2	10.0	8.5	1.3
-4.6	1.7	-0.9	61.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.8
-5.5	1.4	-0.4	-13.2	NA	NA	NA	1.0
-5.3	1.2	1.1	64.4	NA	NA	NA	2.0
-5.3	1.2	0.8	55.4	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	1.4
-5.4	2.4	0.2	-15.7	NA	NA	NA	1.0
-5.3	1.9	0.3	58.7	NA	NA	NA	1.7
-5.3	1.8	0.2	56.1	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	1.6
-5.4	1.3	0.4	-18.0	NA	NA	NA	1.1
-5.5	1.0	-3.0	74.0	NA	NA	NA	2.1
-5.2	0.9	-2.1	71.2	NA	NA	NA	1.7
NA	NA	0.5	NA	NA	NA	NA	1.7
-4.5	8.0	-4.1	-30.5	NA	NA	NA	1.2
-4.4	1.6	-2.1	75.7	NA	NA	NA	1.0
-4.3	2.3	0.8	108.2	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	1.3
-6.0	8.0	-0.8	-15.4	NA	NA	NA	1.3
-5.9	1.1	-4.3	83.8	NA	NA	NA	2.2
-5.4	0.7	-2.7	99.6	NA	NA	NA	1.6
NA	NA	1.2	NA	NA	NA	NA	1.5
-4.3	2.6	-2.8	-49.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	4.4	1.7	10.8	NA	NA	NA	0.4
-4.2	5.1	-0.7	65.3	NA	NA	NA	1.4
-4.7	4.4	-0.7	-17.5	NA	NA	NA	1.0
-4.6	1.7	0.0	89.4	-4.3	10.0	18.0	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.2	0.2	91.0	-4.2	9.4	20.4	0.9
NA	NA	-2.5	NA	NA	NA	NA	2.1
NA	NA	-2.7	NA	NA	NA	NA	1.2
-5.1	2.1	-0.1	14.5	NA	NA	NA	1.0
-4.2	1.8	1.6	42.4	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.3
-4.4	0.9	1.4	-28.7	NA	NA	NA	1.5
-4.8	1.1	1.8	78.3	-4.0	10.0	15.6	1.7
-4.5	1.1	1.2	91.3	NA	NA	NA	1.4
NA	NA	-1.4	NA	NA	NA	NA	1.4
-4.4	1.2	-0.9	-34.4	NA	NA	NA	1.0
-5.1	0.9	-0.9	108.6	NA	NA	NA	1.1
-4.6	0.8	-0.5	140.5	NA	NA	NA	1.0
NA	NA	2.9	NA	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.1
-5.1	1.6	-0.2	25.6	NA	NA	NA	1.2
-4.8	1.1	-0.3	27.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.8
-5.6	4.6	-0.7	-13.0	NA	NA	NA	1.0
-5.3	1.1	-0.2	108.1	NA	NA	NA	1.0
-5.4	1.5	0.3	82.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	2.0
-4.4	2.4	1.7	-101.6	NA	NA	NA	1.0
-4.2	7.1	-0.5	-33.2	NA	NA	NA	1.0
-4.4	1.7	-1.7	69.3	NA	NA	NA	1.0
-4.3	3.2	1.0	-121.5	NA	NA	NA	1.0
-4.2	6.9	0.4	-55.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.2	4.6	0.3	45.6	NA	NA	NA	1.0
-4.3	8.0	-1.2	-77.8	NA	NA	NA	1.3
-4.2	8.0	1.5	-97.7	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	187.1	NA	NA	NA	0.5
-4.3	8.0	0.9	-88.3	NA	NA	NA	1.8
-4.1	3.2	-0.7	-88.7	NA	NA	NA	1.1
-4.1	7.2	0.2	-18.1	NA	NA	NA	1.0
-4.1	4.0	0.1	73.3	NA	NA	NA	1.0
-4.1	5.1	1.3	-114.9	NA	NA	NA	1.8
-5.8	1.5	0.0	-85.0	NA	NA	NA	1.2
-6.5	8.0	4.4	40.3	-5.9	2.5	-30.7	1.3
-5.2	8.0	4.4	52.6	NA	NA	NA	1.6
-5.7	3.8	-0.8	-94.7	NA	NA	NA	1.7
-5.8	1.6	-0.7	-61.6	NA	NA	NA	1.2
-6.3	1.7	1.7	59.2	-5.6	7.0	-175.0	2.2
-6.4	1.4	0.9	57.2	-5.5	9.8	-13.9	1.6
-5.8	5.4	-0.1	-102.9	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-6.2	2.9	0.9	38.4	-4.7	2.1	-57.0	1.2
NA	NA	0.5	NA	NA	NA	NA	0.6
-4.5	4.0	-3.2	41.5	NA	NA	NA	1.5
-5.2	2.1	-5.4	-87.0	NA	NA	NA	2.0
-5.7	4.9	1.7	-83.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-5.1	1.7	-0.5	111.1	NA	NA	NA	0.4
-5.8	4.0	4.0	-96.3	NA	NA	NA	1.1
-5.3	2.5	2.9	-62.2	NA	NA	NA	1.6
-6.0	3.6	0.7	75.9	-5.7	9.3	17.8	1.1
-5.5	1.3	-1.3	102.2	NA	NA	NA	1.3
-5.4	1.9	-1.5	-96.4	NA	NA	NA	1.9
-5.3	3.2	-0.2	-75.0	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-5.0	1.6	0.1	29.6	NA	NA	NA	0.3
-5.5	3.5	3.3	-101.1	NA	NA	NA	1.7
-5.4	5.1	0.8	-69.0	NA	NA	NA	1.0
-6.3	2.1	-1.1	46.7	-5.9	10.0	-5.6	1.0
-5.0	1.5	0.4	110.8	NA	NA	NA	1.5
-5.6	3.1	-1.2	-99.6	NA	NA	NA	1.0
-4.3	2.0	-1.6	-29.5	NA	NA	NA	1.0
-4.5	5.3	1.2	45.6	NA	NA	NA	1.6
-4.4	3.5	1.6	73.8	NA	NA	NA	1.6
NA	NA	-12.3	NA	NA	NA	NA	2.3
NA	NA	-2.7	NA	NA	NA	NA	1.5
-4.3	8.0	-3.3	34.7	NA	NA	NA	1.5
-4.2	2.1	-2.0	61.6	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.8
-4.4	2.2	-1.0	-53.2	NA	NA	NA	1.4
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.4	3.5	0.7	33.3	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	2.0
-4.4	2.1	-1.2	-59.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	3.4	0.7	26.4	NA	NA	NA	0.4
NA	NA	2.9	NA	NA	NA	NA	1.3
-4.5	2.7	-1.9	-57.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.4	3.0	0.6	31.1	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	1.9
-4.3	2.3	-1.9	-70.6	NA	NA	NA	1.2
NA	NA	-1.6	NA	NA	NA	NA	0.6
-4.3	4.1	0.4	52.4	NA	NA	NA	0.5
NA	NA	-0.5	NA	NA	NA	NA	2.0
-4.4	1.8	-1.6	-72.2	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.3	2.3	0.2	23.2	NA	NA	NA	0.5
-4.7	8.0	-0.9	15.2	NA	NA	NA	1.0
-4.5	0.9	-1.5	-83.3	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.4	8.0	0.2	13.7	NA	NA	NA	0.3
NA	NA	-3.2	NA	NA	NA	NA	1.2
-4.3	8.0	1.1	-38.8	NA	NA	NA	1.1
NA	NA	-1.1	NA	NA	NA	NA	1.0
-4.2	5.8	-0.4	26.0	NA	NA	NA	0.5
NA	NA	-0.9	NA	NA	NA	NA	1.7
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.2	3.1	-2.5	71.7	NA	NA	NA	1.6
-4.4	1.4	-1.9	22.9	NA	NA	NA	0.8
NA	NA	0.8	NA	NA	NA	NA	1.7
-4.7	1.3	1.7	-21.7	NA	NA	NA	1.1
-5.3	7.5	-8.2	52.6	NA	NA	NA	2.7
-5.1	3.8	2.6	56.9	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.0
-4.5	2.3	-1.4	-49.9	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.3
-4.4	3.8	0.1	51.1	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	1.4
NA	NA	-1.8	NA	NA	NA	NA	1.1
-4.7	8.0	1.9	15.4	NA	NA	NA	1.4
-4.8	1.5	3.0	31.6	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.4
-5.9	2.0	-1.6	-31.2	NA	NA	NA	1.0
-5.6	1.0	-0.4	103.9	-4.6	2.6	-31.8	1.3
-5.6	1.2	1.0	122.3	-4.7	3.8	-3.9	1.4
NA	NA	-2.3	NA	NA	NA	NA	1.7
-7.1	8.0	1.8	-7.2	NA	NA	NA	1.6
-6.6	4.0	-1.9	31.6	-5.4	5.0	-1.2	1.0
-6.5	2.7	-0.5	44.0	-5.4	0.9	-3.8	1.1
NA	NA	-1.9	NA	NA	NA	NA	2.2
-4.5	6.0	1.2	-69.5	NA	NA	NA	1.0
-5.1	1.7	-0.2	12.0	-4.6	10.0	-0.6	0.5
-4.3	2.1	0.0	63.9	NA	NA	NA	0.4
-4.7	7.9	0.7	85.1	-4.4	10.0	4.2	1.2
-5.5	0.8	0.0	-29.8	NA	NA	NA	1.2
-5.9	3.9	-0.7	127.5	-5.1	2.6	9.2	1.0
-5.9	4.2	-0.2	123.1	-5.2	2.4	23.8	0.9
NA	NA	4.5	NA	NA	NA	NA	2.2
-4.2	2.7	0.6	-98.5	NA	NA	NA	1.0
-4.2	2.1	0.6	-25.8	NA	NA	NA	1.0
-4.1	4.6	0.2	86.8	NA	NA	NA	1.0
-4.2	8.0	0.3	-69.6	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-5.7	1.4	1.0	-29.6	NA	NA	NA	1.0
-5.5	1.4	1.7	116.7	-4.7	4.0	-32.0	1.5
-5.4	1.2	0.3	129.2	-4.6	5.1	-9.2	1.5
-4.2	8.0	1.9	-98.0	NA	NA	NA	1.3
-6.6	4.3	-0.7	-18.0	-4.5	1.3	15.1	1.2
-6.1	1.7	-0.2	50.3	-5.4	5.4	0.1	1.1
-6.2	1.5	0.3	57.7	-5.3	2.4	-1.6	1.0
-4.2	8.0	5.1	-107.0	NA	NA	NA	2.0
-4.6	7.3	-0.1	-77.1	NA	NA	NA	1.0
-5.5	1.5	0.2	8.0	-4.8	10.0	-0.7	0.5
-4.4	2.3	0.3	76.0	NA	NA	NA	0.4
-4.7	5.1	1.6	65.2	-4.4	10.0	-50.3	1.2
-6.0	2.1	0.9	-17.5	NA	NA	NA	1.4
-6.2	3.3	0.2	98.2	-4.8	2.3	9.1	1.3
-6.1	3.2	-0.2	86.8	-4.8	10.0	26.2	1.1
-4.2	7.2	1.6	-76.3	NA	NA	NA	2.2
-4.1	4.3	-1.1	-61.5	NA	NA	NA	1.1
-5.2	1.7	-0.2	-9.3	NA	NA	NA	1.0
-4.1	8.0	-0.3	48.0	NA	NA	NA	1.0
-4.1	8.0	1.4	-87.3	NA	NA	NA	1.9
-4.2	3.0	0.5	-44.2	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.1	4.9	-1.0	14.0	NA	NA	NA	0.5
NA	NA	-0.1	NA	NA	NA	NA	1.8
NA	NA	-1.4	NA	NA	NA	NA	0.7
-5.1	7.9	-4.6	38.2	-4.4	9.6	3.4	1.8
-4.8	1.7	-1.3	35.8	NA	NA	NA	1.3
NA	NA	-4.7	NA	NA	NA	NA	1.7
-5.2	2.4	-3.6	-35.6	NA	NA	NA	1.2
-5.3	4.8	0.8	41.4	-4.5	1.3	5.9	1.1
-5.2	2.4	1.3	61.7	-4.2	9.5	31.7	1.0
NA	NA	1.8	NA	NA	NA	NA	1.2
-5.1	8.0	2.6	34.5	NA	NA	NA	1.7
-5.8	8.0	-0.6	69.5	-5.0	2.8	-115.9	2.2
-5.7	7.9	-0.6	48.3	-5.2	4.9	-61.8	1.6
-5.8	1.1	1.4	-57.4	NA	NA	NA	1.5
-5.1	5.1	0.8	-25.3	NA	NA	NA	1.0
-4.6	5.2	0.0	11.1	NA	NA	NA	1.0
-4.9	2.1	-0.2	24.5	NA	NA	NA	1.0
NA	NA	-4.1	NA	NA	NA	NA	1.3
-4.9	2.0	1.2	-28.8	NA	NA	NA	1.0
-5.0	8.0	1.8	33.0	-3.9	0.6	-9.4	1.0
-5.0	8.0	0.5	43.8	-4.3	0.8	1.9	1.0
NA	NA	0.2	NA	NA	NA	NA	1.4
-4.8	8.0	1.6	36.7	NA	NA	NA	1.0
-5.4	7.5	1.0	112.2	-4.8	4.4	-103.9	1.2

ga	gw	zr	tp	la	lw	bt	er
-5.2	8.0	-0.5	85.1	-4.9	10.0	-53.5	1.0
-5.5	1.2	1.1	-54.1	NA	NA	NA	1.5
-5.2	8.0	-0.2	-11.9	NA	NA	NA	1.2
-5.2	8.0	0.3	19.8	NA	NA	NA	1.0
-5.1	7.9	0.9	26.1	NA	NA	NA	1.0
NA	NA	-3.9	NA	NA	NA	NA	1.7
-4.9	3.6	1.3	-30.0	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.1
-5.1	8.0	0.1	17.5	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.2
-4.9	8.0	2.7	34.3	NA	NA	NA	1.7
-5.8	3.0	0.0	103.2	-5.3	2.1	-117.7	2.2
-5.1	3.9	-0.8	-70.5	NA	NA	NA	1.7
-5.5	0.7	1.8	-54.9	NA	NA	NA	1.8
-5.1	6.1	-0.4	-26.4	NA	NA	NA	1.0
-5.3	8.0	0.6	24.5	-4.4	0.8	4.5	1.0
-5.2	7.9	0.6	33.5	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.8
-4.2	0.5	-0.1	-64.6	NA	NA	NA	1.4
-5.3	0.9	-3.7	191.2	-4.3	10.0	-178.4	2.1
-5.6	1.5	-0.2	118.8	-4.4	9.3	-7.4	1.3
-4.2	2.1	-1.4	-124.0	NA	NA	NA	1.3
-4.8	4.2	-1.2	27.4	NA	NA	NA	1.2
-5.2	2.5	-1.8	26.7	-4.3	2.3	-16.3	1.0
-4.2	4.5	0.7	-20.9	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	2.0
-4.3	6.4	-1.1	-72.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.5	0.2	61.2	NA	NA	NA	0.4
-4.6	2.6	1.4	-47.5	NA	NA	NA	1.4
-4.5	1.8	2.1	-34.3	NA	NA	NA	1.2
-4.8	3.4	0.3	56.3	-4.4	5.8	12.6	1.0
-4.9	6.3	-1.1	30.1	NA	NA	NA	0.9
-4.7	2.2	-0.8	-64.8	NA	NA	NA	1.4
-4.3	1.0	-0.2	-37.1	NA	NA	NA	1.0
-4.9	2.3	-0.1	82.0	-4.5	7.2	-2.5	1.0
-4.9	2.6	-0.1	78.3	-4.6	10.0	8.1	1.0
-4.2	6.5	-3.2	-96.6	NA	NA	NA	1.2
-4.6	0.7	0.1	-38.2	NA	NA	NA	1.1
-5.7	2.7	2.1	34.1	-4.4	1.6	-0.9	1.4
-5.6	2.6	1.5	42.5	-5.2	10.0	25.5	1.3
NA	NA	0.4	NA	NA	NA	NA	1.3
-4.7	3.0	0.5	-10.9	NA	NA	NA	0.8
-5.0	2.7	-1.5	64.8	NA	NA	NA	1.5
-4.6	2.2	-2.1	74.7	-4.0	10.0	13.7	1.3
NA	NA	1.3	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	4.0	0.6	-49.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	3.8	0.0	25.2	NA	NA	NA	0.4
-4.5	8.0	-0.1	-98.2	NA	NA	NA	1.0
-4.3	2.5	-1.2	-29.9	NA	NA	NA	0.9
-5.0	8.0	-1.5	24.6	NA	NA	NA	2.0
-4.7	2.8	-0.1	50.8	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.4
-4.3	1.0	0.9	-36.1	NA	NA	NA	1.0
-5.3	7.1	1.2	23.5	-4.1	10.0	-8.9	1.1
-4.5	1.4	0.3	55.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.2
-4.3	1.8	-0.1	-51.6	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.4
-4.4	1.3	-0.3	24.3	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	1.3
NA	NA	-2.1	NA	NA	NA	NA	1.0
-4.9	0.9	2.5	103.5	NA	NA	NA	2.1
-4.9	1.5	1.8	80.7	NA	NA	NA	1.6
NA	NA	0.1	NA	NA	NA	NA	1.5
-5.1	1.7	0.7	-21.1	-4.0	10.0	2.1	0.8
-4.5	0.7	-0.6	159.1	NA	NA	NA	1.7
-5.2	1.6	0.1	81.0	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.5
-4.5	2.7	-2.8	-32.9	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	4.1	0.5	11.8	NA	NA	NA	0.4
NA	NA	-2.9	NA	NA	NA	NA	1.9
-4.5	5.7	-1.2	-16.7	NA	NA	NA	1.0
-4.5	1.9	0.3	30.3	NA	NA	NA	1.0
-4.5	2.1	0.8	39.3	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.8	1.5	-1.1	55.3	NA	NA	NA	1.9
-5.0	3.2	-1.5	32.2	NA	NA	NA	1.0
NA	NA	-3.7	NA	NA	NA	NA	2.2
-4.3	2.3	0.1	-36.3	NA	NA	NA	1.0
-4.6	1.2	-0.4	47.1	NA	NA	NA	1.0
-4.3	1.5	0.0	76.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.1
-4.6	8.0	0.4	-20.3	NA	NA	NA	1.0
-4.5	2.3	0.7	47.6	NA	NA	NA	1.0
-4.5	2.7	-1.1	47.0	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.5
-4.2	0.4	1.5	-18.9	NA	NA	NA	0.9
-4.4	1.0	-2.5	65.3	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.0	-1.6	49.8	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.6
-4.3	2.6	0.1	-77.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	4.8	-0.2	30.7	NA	NA	NA	0.4
-4.2	6.1	0.8	-71.6	NA	NA	NA	1.0
-4.1	5.4	1.1	-52.4	NA	NA	NA	1.0
-4.9	1.7	0.2	10.6	NA	NA	NA	1.0
-4.1	3.5	-0.4	60.7	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	2.2
-4.6	0.8	0.4	-21.2	NA	NA	NA	1.0
-4.5	4.8	-2.6	30.0	NA	NA	NA	1.5
-4.5	0.9	-1.4	53.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.8
-4.5	4.0	-1.2	-69.0	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.9	2.9	-0.8	22.7	NA	NA	NA	1.0
-4.5	8.0	0.4	-78.1	NA	NA	NA	1.0
-4.4	8.0	1.1	-22.8	NA	NA	NA	1.0
-4.5	2.5	0.9	29.2	NA	NA	NA	1.0
-4.5	5.7	0.3	35.7	NA	NA	NA	1.0
-4.5	2.3	2.5	-66.9	NA	NA	NA	1.7
-4.3	1.7	0.6	-53.9	NA	NA	NA	1.0
-5.2	3.1	0.5	22.7	NA	NA	NA	1.0
-4.4	1.4	0.0	71.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.5	3.6	-2.7	110.2	NA	NA	NA	1.8
-4.5	4.0	-0.2	80.1	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.2
-4.3	3.8	-0.8	-20.8	NA	NA	NA	1.0
-4.5	1.9	-0.2	79.6	-4.2	9.9	9.8	1.0
-4.5	1.7	-0.2	63.7	-4.2	10.0	8.4	1.0
NA	NA	1.2	NA	NA	NA	NA	2.0
-4.3	8.0	-1.6	32.5	NA	NA	NA	1.1
-5.6	3.0	1.4	59.2	-4.7	2.6	-152.4	1.5
-5.5	2.2	0.5	50.7	-4.7	4.2	-82.4	1.2
-4.8	2.2	-2.1	-57.9	NA	NA	NA	1.5
-5.3	1.4	1.6	-26.6	NA	NA	NA	0.9
-5.5	1.7	0.7	91.1	-4.6	3.2	-20.5	1.0
-5.4	1.4	-1.0	84.7	-4.5	4.2	4.2	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.9
-4.7	1.4	0.1	-65.8	NA	NA	NA	1.3
-5.7	4.8	-0.8	41.8	-4.6	1.9	-159.3	1.6
-5.4	1.8	-0.2	56.9	-4.9	10.0	-19.8	1.0
-5.0	3.5	-1.0	-94.3	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	0.2	-53.9	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	0.6
-4.2	7.8	-0.3	63.2	NA	NA	NA	1.0
-4.4	2.9	-5.1	-94.1	NA	NA	NA	1.8
-5.0	3.2	0.3	-78.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.5	2.6	-0.1	78.4	NA	NA	NA	0.4
-4.9	2.3	-3.3	-91.0	NA	NA	NA	1.7
-4.4	1.5	3.2	-84.8	NA	NA	NA	1.3
-4.7	2.1	0.0	42.9	-4.3	10.0	0.6	1.0
-4.7	3.4	-0.7	59.0	NA	NA	NA	0.9
-4.5	2.0	2.2	-84.3	NA	NA	NA	2.1
-4.4	1.9	-1.4	-86.0	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	2.8	0.1	26.0	NA	NA	NA	0.3
-4.4	2.2	-0.8	-116.5	NA	NA	NA	1.2
-4.4	1.3	0.2	-101.1	NA	NA	NA	1.0
-4.6	2.5	-0.3	-21.6	NA	NA	NA	1.0
-4.1	2.1	-0.7	145.8	NA	NA	NA	1.0
-4.7	4.0	-4.9	-92.1	NA	NA	NA	1.8
-5.2	1.7	-0.2	-18.6	NA	NA	NA	1.0
-5.0	1.4	-0.1	61.2	NA	NA	NA	1.3
-4.8	1.1	-0.1	72.9	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	1.1
-5.2	2.3	0.3	-26.3	-4.4	3.8	-10.9	1.1
-5.1	3.3	0.6	128.0	-4.7	3.6	71.9	2.2
-5.1	2.6	0.4	116.6	-4.5	2.0	47.5	1.5
-5.2	3.6	1.7	35.6	NA	NA	NA	1.8
-5.0	1.9	-0.1	-18.9	NA	NA	NA	1.0
-4.9	1.6	-0.2	70.8	NA	NA	NA	1.3
-4.6	1.3	-0.4	80.6	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	1.0
-5.0	2.1	-0.1	-25.6	-4.5	3.6	-10.3	1.1
-5.2	6.3	0.5	60.4	NA	NA	NA	1.8
-5.2	4.2	0.8	78.7	-3.9	1.5	34.4	1.2
-5.0	4.8	-2.0	24.5	NA	NA	NA	2.0
-5.0	1.4	0.2	-20.0	NA	NA	NA	1.0
-5.0	1.6	-0.3	62.8	NA	NA	NA	1.6
-4.9	1.4	-0.4	70.1	NA	NA	NA	1.5
NA	NA	0.3	NA	NA	NA	NA	1.6
-5.1	1.9	-1.0	-27.3	-4.4	10.0	-11.8	1.0
-5.3	8.0	0.1	75.2	-4.6	2.0	30.8	2.3
-5.2	3.3	-0.1	90.8	-4.2	1.8	23.2	1.8
-5.0	8.0	0.6	24.6	NA	NA	NA	1.9
-4.4	8.0	-1.6	-24.2	NA	NA	NA	1.0
-4.2	4.4	0.3	75.8	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.2	4.7	0.3	87.6	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.1
-4.4	2.6	2.0	64.0	NA	NA	NA	1.8
-4.2	3.8	0.9	72.2	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.5
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.4	8.0	-0.2	42.6	NA	NA	NA	1.0
-4.4	7.0	0.1	29.1	NA	NA	NA	0.9
NA	NA	-0.5	NA	NA	NA	NA	1.9
NA	NA	10.7	NA	NA	NA	NA	1.8
-4.2	2.3	-16.7	57.4	NA	NA	NA	1.9
-4.6	1.7	-15.1	17.1	NA	NA	NA	1.9
NA	NA	-1.1	NA	NA	NA	NA	1.9
-4.2	4.6	1.2	-41.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	4.3	-0.8	28.6	NA	NA	NA	0.9
-4.2	8.0	-4.3	-78.4	NA	NA	NA	1.6
-4.2	3.1	-0.8	-84.1	NA	NA	NA	1.0
-4.3	4.0	-0.4	-13.8	NA	NA	NA	1.0
-4.1	6.1	-0.2	85.7	NA	NA	NA	1.0
-4.2	2.7	1.4	-117.3	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.2	2.8	1.3	80.3	NA	NA	NA	1.2
-4.3	2.6	0.2	36.4	NA	NA	NA	1.0
-4.9	4.1	-2.5	-29.7	NA	NA	NA	1.3
NA	NA	3.6	NA	NA	NA	NA	1.8
-4.5	2.1	6.0	68.7	NA	NA	NA	1.9
NA	NA	1.0	NA	NA	NA	NA	0.2
NA	NA	-1.1	NA	NA	NA	NA	2.1
-5.0	2.0	-2.2	-57.7	NA	NA	NA	1.2
-5.2	1.9	-0.2	-5.3	NA	NA	NA	0.5
-4.7	3.4	0.9	19.3	NA	NA	NA	0.4
-5.6	1.0	2.8	-76.9	NA	NA	NA	1.2
-5.2	1.6	0.2	-37.9	NA	NA	NA	0.8
-5.8	1.2	0.9	91.9	-4.9	2.9	-17.1	1.0
-5.6	1.2	0.6	81.0	-4.8	2.8	2.8	1.0
NA	NA	-0.1	NA	NA	NA	NA	2.3
-4.4	2.4	-2.4	-87.5	NA	NA	NA	1.0
-5.2	2.9	-1.4	39.8	-4.4	10.0	4.6	1.0
-4.9	1.3	-1.0	54.6	-4.1	10.0	9.0	1.0
-4.2	4.1	-3.6	-91.0	NA	NA	NA	1.8
-5.0	4.1	-1.3	-15.6	NA	NA	NA	1.0
-4.9	2.8	-0.8	46.4	NA	NA	NA	1.0
-4.9	3.5	-0.2	41.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.6	8.0	-1.0	38.6	NA	NA	NA	1.8
-4.5	1.7	0.0	32.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.3	1.5	-1.9	-50.0	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.2	3.7	1.1	33.6	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.7
-4.3	2.5	-0.9	-54.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	2.8	0.2	20.0	NA	NA	NA	0.4
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.6	2.1	2.9	-61.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.3	2.0	-0.9	43.9	NA	NA	NA	0.9
NA	NA	-6.2	NA	NA	NA	NA	1.6
-4.3	5.9	1.6	-61.2	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.4
-4.1	3.6	-0.9	23.7	NA	NA	NA	0.5
NA	NA	-3.3	NA	NA	NA	NA	1.3
-4.2	8.0	0.1	-47.5	NA	NA	NA	1.5
-5.0	6.3	-3.0	55.9	-4.7	10.0	-24.0	1.0
-4.9	4.8	-1.5	63.2	-4.7	9.9	-15.0	1.0
-4.2	5.0	-1.0	-85.8	NA	NA	NA	1.0
-4.4	8.0	0.7	-46.0	NA	NA	NA	1.5
-4.5	2.4	0.0	15.9	NA	NA	NA	1.0
-4.3	3.6	-0.6	64.6	NA	NA	NA	0.9
-5.5	6.9	-1.9	-40.4	-4.7	10.0	2.8	1.6
-5.2	8.0	0.0	-40.6	-5.0	10.0	-7.3	1.3
-5.7	8.0	0.8	32.5	-5.3	10.0	-2.2	0.8
-5.4	2.6	0.4	47.8	-5.0	10.0	2.4	1.0
-4.1	8.0	1.9	-78.1	NA	NA	NA	1.8
-5.9	3.0	-0.6	-76.9	NA	NA	NA	1.1
-6.6	5.2	1.2	29.4	-6.2	7.9	-11.7	1.0
-5.4	0.9	0.2	83.7	NA	NA	NA	1.7
-6.1	6.2	-2.7	-103.7	NA	NA	NA	1.2
-5.0	2.0	0.7	-17.4	NA	NA	NA	0.6
-5.0	4.5	-0.5	59.1	-4.6	10.0	-74.9	1.3
-5.0	3.3	-1.0	51.1	-4.6	10.0	-25.6	1.0
-4.4	8.0	-1.2	-115.3	NA	NA	NA	1.8
-4.6	3.1	-0.1	-100.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	5.3	0.1	74.3	NA	NA	NA	0.4
-4.6	2.1	0.8	-134.2	NA	NA	NA	1.0
-4.5	7.4	1.6	-69.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.7



ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	-0.1	37.0	NA	NA	NA	0.5
-4.5	3.1	0.6	-116.9	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.5	2.8	-1.6	72.2	NA	NA	NA	1.6
-4.5	3.0	0.5	47.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.6
-4.4	1.2	0.6	-51.3	NA	NA	NA	1.0
-5.3	2.9	1.1	41.6	-4.2	8.4	7.9	1.0
-5.3	3.6	0.9	36.1	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.9	0.8	-2.8	89.0	NA	NA	NA	2.2
-4.7	1.4	-1.0	55.4	NA	NA	NA	1.1
NA	NA	3.1	NA	NA	NA	NA	1.3
-4.5	1.2	-4.1	-66.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.8	1.1	0.3	30.3	-4.1	10.0	-11.7	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.8
-4.4	1.0	-1.7	-51.8	NA	NA	NA	1.0
-5.3	6.1	-3.5	35.3	-4.3	3.3	-184.4	1.7
-5.2	5.6	1.3	51.7	NA	NA	NA	1.5
-4.6	1.5	0.6	-84.3	NA	NA	NA	1.7
-4.4	1.7	-2.3	-81.3	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.3	2.2	-0.1	71.5	NA	NA	NA	0.9
-4.4	1.6	0.1	-76.7	NA	NA	NA	2.2
-5.5	1.3	-0.8	-13.2	NA	NA	NA	0.8
-4.9	1.5	0.0	106.3	-4.3	9.7	16.8	1.6
-4.9	1.0	1.7	89.0	-4.2	10.0	17.9	1.0
NA	NA	1.7	NA	NA	NA	NA	1.3
NA	NA	1.0	NA	NA	NA	NA	0.7
-4.9	2.1	0.3	71.8	NA	NA	NA	1.0
-5.0	2.4	-1.1	42.5	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.2
-4.2	2.8	-1.1	-25.1	NA	NA	NA	0.9
-4.8	1.6	-0.4	53.9	-4.0	10.0	7.3	1.4
-4.4	1.1	0.9	59.0	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.8	1.7	0.8	30.4	NA	NA	NA	1.0
-4.5	1.3	0.2	31.8	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	2.2
NA	NA	1.6	NA	NA	NA	NA	1.0
-5.1	1.5	-0.6	62.0	NA	NA	NA	1.5
-5.1	2.9	-0.4	21.6	NA	NA	NA	1.0
-4.5	3.0	-0.9	-88.9	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-5.3	0.4	0.8	-8.7	NA	NA	NA	1.0
-5.3	0.9	-0.1	35.0	-4.0	2.1	-7.0	1.0
-5.1	0.9	1.2	30.4	-4.1	2.5	5.0	1.0
NA	NA	1.6	NA	NA	NA	NA	0.9
-5.9	2.7	0.9	-21.6	NA	NA	NA	1.0
-5.8	1.4	-3.5	90.3	NA	NA	NA	2.0
-5.6	1.0	-2.4	96.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.3
-5.6	1.3	1.4	-28.4	NA	NA	NA	1.1
-5.4	0.7	-3.3	103.0	-4.5	10.0	6.1	1.6
-5.3	0.7	-2.6	105.1	-4.5	10.0	12.8	1.2
NA	NA	3.5	NA	NA	NA	NA	1.5
-6.6	7.9	-0.4	-13.7	-4.1	1.2	22.5	1.3
-6.7	2.9	0.5	38.7	-4.8	2.9	1.5	1.0
-6.3	1.2	-0.7	50.9	-4.9	2.8	-0.8	1.1
NA	NA	-2.5	NA	NA	NA	NA	2.0
-4.4	8.0	2.4	-74.1	NA	NA	NA	1.0
-5.5	0.9	0.1	7.1	-4.0	7.6	-26.9	0.5
-4.3	2.1	-0.2	69.0	NA	NA	NA	0.4
-4.6	8.0	-0.8	62.0	-4.2	10.0	13.2	1.0
-5.3	0.9	2.3	-31.7	NA	NA	NA	1.3
-6.3	3.2	0.7	97.4	-5.1	3.1	8.0	1.0
-6.2	3.0	-0.5	78.4	-5.2	10.0	24.0	0.9
NA	NA	-1.0	NA	NA	NA	NA	1.9
-4.1	8.0	-4.0	-63.5	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	0.5
-4.1	8.0	0.6	27.7	NA	NA	NA	1.0
-4.1	3.7	-1.0	-69.5	NA	NA	NA	1.6
-4.7	3.9	-1.7	-18.1	NA	NA	NA	0.9
-4.5	8.0	2.3	39.9	NA	NA	NA	1.6
-4.1	1.2	1.3	55.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.4	8.0	-1.8	39.2	NA	NA	NA	1.5
-4.4	7.9	-1.8	37.3	NA	NA	NA	1.5
NA	NA	0.9	NA	NA	NA	NA	0.9
-4.2	4.3	0.5	-28.7	NA	NA	NA	0.5
-4.2	3.7	0.2	36.7	NA	NA	NA	1.0
-4.2	3.7	0.3	54.7	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.2
-4.5	5.8	0.9	-11.7	NA	NA	NA	0.5
-4.3	1.5	-1.4	68.8	NA	NA	NA	1.8
-4.4	4.1	-0.8	45.4	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.5
-4.5	1.2	1.0	-104.9	NA	NA	NA	1.0
-4.2	5.6	-0.1	-47.3	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.9	3.3	-0.9	47.1	NA	NA	NA	1.2
-4.2	3.6	1.5	-129.1	NA	NA	NA	1.2
-4.4	1.8	0.7	-69.5	NA	NA	NA	1.5
-4.8	1.5	-0.1	-13.1	NA	NA	NA	1.0
-4.3	3.0	-0.7	91.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.7
-4.5	2.1	1.4	-62.9	NA	NA	NA	1.0
-4.6	8.0	0.3	20.6	-4.1	4.3	-23.0	0.5
-4.5	4.1	-0.1	65.2	NA	NA	NA	0.4
-4.2	8.0	1.4	-86.4	NA	NA	NA	1.6
-4.3	2.5	-4.2	-72.7	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.3
-4.2	2.1	2.0	55.9	NA	NA	NA	0.9
NA	NA	-3.6	NA	NA	NA	NA	1.5
-4.3	1.8	-0.8	-99.3	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	2.8	0.1	25.5	NA	NA	NA	0.3
-4.2	8.0	0.0	-103.6	NA	NA	NA	1.7
-4.4	8.0	3.9	-80.7	NA	NA	NA	1.0
-5.5	4.2	1.0	18.9	-4.4	6.4	-10.2	1.0
-4.0	1.7	-0.4	183.7	NA	NA	NA	1.0
-4.1	1.6	1.3	-134.5	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.6	0.7	0.7	56.4	NA	NA	NA	1.5
-4.9	1.3	0.4	32.7	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.7	1.3	0.3	65.0	NA	NA	NA	1.4
-5.0	1.1	-1.3	41.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.8
-4.7	5.7	-1.4	-39.8	NA	NA	NA	1.0
-5.1	8.0	3.5	44.6	-4.7	10.0	-10.4	1.8
-4.9	2.6	1.1	48.4	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	2.3
-4.7	7.9	0.6	-36.3	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.3
-4.6	3.6	-1.2	16.9	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.7
-4.8	2.5	-0.2	-52.7	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.4
-4.6	2.8	2.1	42.6	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.7	2.1	1.1	-62.6	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.6	3.0	-0.1	44.7	NA	NA	NA	0.4
-4.7	2.4	0.5	-94.7	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.5	0.6	-53.4	NA	NA	NA	1.0
-5.0	3.9	-1.4	35.2	NA	NA	NA	1.2
-4.7	1.6	-0.7	56.3	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.3
-4.1	6.5	1.1	-94.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	8.0	-0.4	115.5	NA	NA	NA	0.5
-4.1	6.5	-1.5	-102.9	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	0.7
-4.6	1.1	1.1	118.5	NA	NA	NA	2.0
-4.7	1.4	-0.8	68.2	-4.0	10.0	14.5	1.0
NA	NA	0.6	NA	NA	NA	NA	1.4
-5.5	1.1	-0.4	-14.9	NA	NA	NA	1.0
-5.1	1.5	0.5	81.5	NA	NA	NA	1.4
-4.8	0.9	-0.1	94.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.6
-4.3	5.5	-2.7	90.3	NA	NA	NA	1.5
-4.2	2.6	-0.2	44.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.3
-4.1	1.5	-0.2	186.2	NA	NA	NA	1.0
-4.3	1.6	1.2	115.7	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.7
NA	NA	-0.7	NA	NA	NA	NA	1.0
-4.4	1.8	0.0	53.4	NA	NA	NA	0.5
-4.3	2.5	0.1	37.1	NA	NA	NA	0.4
NA	NA	-2.9	NA	NA	NA	NA	1.6
NA	NA	-2.1	NA	NA	NA	NA	0.7
-4.3	2.3	0.3	115.8	NA	NA	NA	1.0
-4.3	2.1	1.2	77.6	NA	NA	NA	0.9
NA	NA	0.9	NA	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	0.6
-4.3	2.5	0.6	62.5	NA	NA	NA	0.5
-4.3	2.2	0.1	25.7	NA	NA	NA	0.3
NA	NA	-0.6	NA	NA	NA	NA	1.9
NA	NA	0.3	NA	NA	NA	NA	0.9
-4.2	1.9	0.2	97.4	NA	NA	NA	1.0
-4.3	1.7	-0.5	53.6	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.8
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.6	8.0	-1.7	31.7	NA	NA	NA	1.6
-4.4	2.2	-0.4	43.2	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.6
-4.8	6.6	-0.8	-60.5	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.7	0.3	29.1	NA	NA	NA	1.0
-4.8	4.1	-3.1	-68.9	NA	NA	NA	1.3
-4.4	4.6	-0.9	46.9	NA	NA	NA	1.0
-5.0	1.8	-1.8	120.8	-4.4	9.9	34.0	1.4
-4.9	1.6	0.0	66.4	-4.5	10.0	7.5	1.0
-4.4	8.0	3.8	-77.0	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.7	1.3	0.3	77.0	NA	NA	NA	1.0
-4.7	1.5	0.4	63.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.5
-4.5	7.5	0.2	-93.0	NA	NA	NA	1.0
-5.2	2.6	0.3	11.7	NA	NA	NA	0.5
-4.4	3.4	0.2	163.0	NA	NA	NA	0.4
-4.5	7.9	-1.6	-130.1	NA	NA	NA	1.0
-4.3	8.0	-2.0	-27.0	NA	NA	NA	1.6
-4.6	1.6	0.0	76.0	NA	NA	NA	1.0
-4.5	2.4	1.0	86.1	NA	NA	NA	0.9
-4.4	8.0	3.5	-124.1	NA	NA	NA	1.8
-4.5	8.0	0.3	-54.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	2.3	0.0	17.6	NA	NA	NA	0.3
-4.5	8.0	-1.9	-76.4	NA	NA	NA	1.6
-4.4	8.0	0.3	-98.7	NA	NA	NA	1.1
-4.9	1.4	0.7	35.8	-4.3	9.9	-6.2	1.0
-4.3	2.8	1.0	144.2	NA	NA	NA	1.0
-4.4	4.6	1.9	-133.1	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.8	4.0	0.9	67.3	NA	NA	NA	1.0
-4.8	3.2	-0.5	51.5	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.5
NA	NA	0.6	NA	NA	NA	NA	1.3
-4.9	1.7	2.6	110.6	NA	NA	NA	1.6
-5.0	2.2	0.7	63.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
-4.7	1.5	-0.8	-64.3	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.3
-4.8	1.8	-0.7	20.8	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.1
-4.9	3.3	-0.8	-33.9	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.9	1.6	-0.3	22.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.8
-4.6	2.1	-0.8	-56.3	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.6	2.0	0.2	21.9	NA	NA	NA	0.4
NA	NA	1.6	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.7	1.0	-28.6	NA	NA	NA	1.0
-4.6	2.2	-0.9	82.2	NA	NA	NA	1.3
-4.6	2.4	-0.7	81.6	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	0.9
NA	NA	0.2	NA	NA	NA	NA	0.6
-4.3	1.9	-4.3	88.9	NA	NA	NA	1.8
-4.4	3.7	-1.2	47.9	NA	NA	NA	1.0
NA	NA	-3.7	NA	NA	NA	NA	1.7
-4.6	2.5	1.3	-61.7	NA	NA	NA	1.2
NA	NA	1.9	NA	NA	NA	NA	1.7
-4.8	2.6	0.6	46.1	NA	NA	NA	1.5
-4.6	2.6	0.8	-77.6	NA	NA	NA	1.1
NA	NA	1.0	NA	NA	NA	NA	0.9
-4.5	3.1	3.9	83.5	NA	NA	NA	1.7
-4.6	3.1	-0.1	55.6	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.1
NA	NA	1.2	NA	NA	NA	NA	1.3
-4.6	8.0	2.4	27.0	NA	NA	NA	1.3
-4.4	2.8	0.8	19.8	NA	NA	NA	0.5
NA	NA	1.1	NA	NA	NA	NA	0.9
NA	NA	-1.5	NA	NA	NA	NA	0.7
-4.5	8.0	-0.5	62.7	NA	NA	NA	2.0
-4.4	4.6	1.3	68.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.0
NA	NA	-1.1	NA	NA	NA	NA	1.0
-5.4	4.5	0.1	87.0	-5.0	10.0	53.1	1.2
-5.5	4.1	0.6	31.9	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	1.1
-4.4	1.3	0.2	-48.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.7	8.0	-0.8	15.8	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.2
-4.5	2.7	-2.0	-42.3	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.7
-5.3	4.1	1.2	13.8	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.7
-4.1	3.9	0.6	-39.6	NA	NA	NA	1.1
-4.6	5.1	-1.0	25.3	NA	NA	NA	2.0
-4.3	2.0	-2.6	58.3	NA	NA	NA	1.1
NA	NA	1.6	NA	NA	NA	NA	1.5
-4.9	3.1	-0.7	-83.4	NA	NA	NA	1.0
-5.3	8.0	2.2	30.3	-4.8	3.9	-30.4	1.2
-4.8	2.2	0.6	75.8	NA	NA	NA	1.2
-4.8	3.0	0.7	-98.2	NA	NA	NA	1.0
-4.5	8.0	0.8	-54.7	NA	NA	NA	1.0
-4.6	7.6	0.9	-23.4	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	5.1	-0.3	47.2	NA	NA	NA	1.0
-4.7	4.9	2.6	-91.2	NA	NA	NA	1.5
-4.5	3.6	1.3	-90.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.8	0.1	168.3	NA	NA	NA	0.4
-4.6	8.0	2.8	-102.5	NA	NA	NA	1.2
-4.5	8.0	-0.6	-61.0	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	4.3	0.5	69.1	NA	NA	NA	0.9
-4.6	8.0	-0.5	-90.9	NA	NA	NA	1.4
-4.7	3.6	-0.7	-76.8	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.5	3.2	-0.1	33.3	NA	NA	NA	0.3
-4.7	7.6	-0.7	-96.4	NA	NA	NA	1.6
-4.4	8.0	3.0	-82.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.6
-4.4	7.4	-0.3	69.7	NA	NA	NA	0.5
-4.5	2.6	2.3	-113.2	NA	NA	NA	1.4
NA	NA	-3.7	NA	NA	NA	NA	1.3
-4.7	2.1	0.6	67.0	NA	NA	NA	1.4
-4.4	1.5	1.8	92.4	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.4	8.0	0.1	-19.9	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	6.2	-0.3	34.6	NA	NA	NA	0.9
NA	NA	-1.2	NA	NA	NA	NA	1.6
-4.2	4.0	-0.6	-32.1	NA	NA	NA	1.1
-4.2	3.8	2.3	47.1	NA	NA	NA	1.3
-4.2	4.4	1.6	65.5	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.2
-4.2	2.8	-0.9	99.6	NA	NA	NA	1.4
-4.1	3.4	-1.1	86.5	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.6
-4.7	7.8	1.4	32.7	NA	NA	NA	1.4
-6.0	8.0	0.3	57.6	-4.9	3.2	-90.9	2.1
-6.0	8.0	-0.3	33.7	-4.9	3.6	-59.3	1.5
NA	NA	-9.1	NA	NA	NA	NA	2.0
-4.9	4.7	2.2	-74.1	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	2.1	-0.3	52.3	NA	NA	NA	0.4
-4.8	7.2	-5.9	-83.2	NA	NA	NA	2.3
-4.9	2.3	3.5	-35.5	NA	NA	NA	1.0
-5.3	7.9	0.6	13.5	NA	NA	NA	1.0
-5.1	3.5	-0.9	27.5	NA	NA	NA	0.9
-4.9	8.0	-14.4	-60.9	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-6.3	2.2	-2.9	-18.7	NA	NA	NA	1.3
-6.5	1.3	2.1	77.0	NA	NA	NA	2.2
-6.2	1.4	1.2	77.8	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.5
-5.3	2.1	1.2	-15.5	NA	NA	NA	1.0
-5.2	1.2	2.4	82.8	NA	NA	NA	1.9
-5.2	1.7	0.9	65.0	NA	NA	NA	1.0
NA	NA	5.8	NA	NA	NA	NA	1.7
NA	NA	-0.3	NA	NA	NA	NA	1.0
-5.0	2.6	3.2	58.9	-4.5	8.3	11.6	1.0
-5.0	8.0	1.4	49.4	-4.7	4.1	10.6	1.0
NA	NA	0.3	NA	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	1.1
-4.5	2.3	1.0	191.1	NA	NA	NA	1.7
-4.4	1.3	0.1	99.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.7
-4.7	1.8	0.2	43.5	NA	NA	NA	1.1
-5.6	3.0	-0.7	24.5	NA	NA	NA	1.0
-5.8	2.0	-0.7	9.8	-4.3	2.8	-32.3	1.0
NA	NA	2.0	NA	NA	NA	NA	1.8
NA	NA	1.5	NA	NA	NA	NA	0.3
-5.0	3.1	0.2	23.4	NA	NA	NA	0.5
-5.0	3.3	-0.1	12.3	NA	NA	NA	0.4
NA	NA	-1.2	NA	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	0.9
-5.0	0.8	-0.1	27.4	NA	NA	NA	1.0
-5.2	1.1	-0.1	16.4	NA	NA	NA	0.9
NA	NA	1.0	NA	NA	NA	NA	2.2
-4.8	1.8	1.2	-20.9	NA	NA	NA	1.0
-4.6	1.9	0.4	73.7	NA	NA	NA	1.0
-4.7	1.6	-0.4	75.1	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.1
-4.7	8.0	-0.3	-80.8	NA	NA	NA	1.0
-5.1	1.7	0.1	38.2	-4.7	9.7	-31.0	1.0
-4.4	1.4	0.5	133.4	NA	NA	NA	1.0
-4.6	8.0	0.3	-92.6	NA	NA	NA	1.3
-4.4	8.0	2.1	-68.5	NA	NA	NA	1.1
-5.8	1.7	-1.7	14.3	-4.4	9.1	-170.8	1.7
-4.3	3.2	-1.1	35.5	NA	NA	NA	1.0
-4.4	4.3	0.5	-108.5	NA	NA	NA	1.0
-4.5	3.9	-0.6	-77.0	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	0.4
-4.4	3.7	-0.1	148.5	NA	NA	NA	1.0
-4.6	3.8	-2.7	-89.2	NA	NA	NA	2.0
-4.5	8.0	-0.1	-87.2	NA	NA	NA	1.0
-4.4	1.4	0.0	12.9	NA	NA	NA	0.5



ga	gw	zr	tp	la	lw	bt	er
-4.2	3.6	0.0	272.7	NA	NA	NA	0.4
-4.6	7.6	0.6	-103.6	NA	NA	NA	1.0
-4.3	4.8	-0.1	-89.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.1	-0.1	271.3	NA	NA	NA	0.9
-4.4	8.0	-1.8	-96.8	NA	NA	NA	1.5
-4.4	4.2	-0.4	-83.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	4.8	0.0	60.8	NA	NA	NA	0.3
-4.6	8.0	0.7	-107.0	NA	NA	NA	1.1
-4.4	8.0	1.7	-88.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.5
-4.2	5.6	-0.5	287.4	NA	NA	NA	1.0
-4.2	2.3	-2.6	-138.2	NA	NA	NA	1.6
-4.8	8.0	-0.4	-89.2	NA	NA	NA	0.8
-5.1	2.3	-0.7	57.6	-4.7	10.0	-22.6	1.0
-4.8	1.8	-0.4	78.7	NA	NA	NA	1.4
-4.6	7.9	-0.5	-108.5	-4.1	9.9	-84.3	1.2
-4.5	8.0	1.6	-52.3	NA	NA	NA	1.6
-5.5	0.7	1.5	20.8	-4.5	10.0	-157.2	1.9
-4.5	8.0	1.2	-30.4	NA	NA	NA	0.6
-4.5	8.0	-0.3	-102.0	NA	NA	NA	1.7
-4.6	3.0	0.6	-70.4	NA	NA	NA	1.6
NA	NA	-1.2	NA	NA	NA	NA	0.9
-4.3	2.7	-0.2	179.3	NA	NA	NA	1.0
-4.6	6.2	-0.4	-83.9	NA	NA	NA	1.8
-4.5	8.0	-1.3	-84.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.5	0.4	241.9	NA	NA	NA	0.4
-4.5	4.6	0.8	-105.1	NA	NA	NA	1.0
-4.7	7.5	0.2	-86.4	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.9	0.1	48.8	NA	NA	NA	0.3
-4.3	3.0	-1.7	-132.9	NA	NA	NA	1.5
-4.4	5.5	0.4	-22.8	NA	NA	NA	1.2
NA	NA	0.5	NA	NA	NA	NA	0.4
-4.2	6.2	0.1	38.2	NA	NA	NA	0.5
-4.2	2.9	-2.7	-84.9	NA	NA	NA	1.4
-4.5	2.8	-1.1	-105.7	NA	NA	NA	1.0
-4.5	3.1	0.5	-22.0	NA	NA	NA	1.0
-4.3	3.9	0.2	139.3	NA	NA	NA	1.0
-4.6	1.8	1.1	-139.3	NA	NA	NA	1.5
NA	NA	2.4	NA	NA	NA	NA	1.4
-4.5	1.8	2.4	122.3	-4.2	10.0	2.5	1.8
-4.5	8.0	-0.3	66.5	-4.3	10.0	-4.9	1.0
NA	NA	0.0	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.4	0.5	-31.5	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	2.7	0.0	22.8	NA	NA	NA	0.4
NA	NA	2.4	NA	NA	NA	NA	1.4
-4.2	2.6	-0.1	-38.3	NA	NA	NA	1.0
-5.7	4.5	-0.1	97.9	-4.9	2.9	-3.6	1.0
-5.8	6.3	0.2	95.5	-5.2	2.2	6.7	1.0
-4.1	8.0	0.4	-69.9	NA	NA	NA	1.2
NA	NA	-0.9	NA	NA	NA	NA	0.7
-4.6	1.9	0.1	48.1	NA	NA	NA	1.1
-4.4	1.7	0.3	54.2	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.0
-5.5	0.8	1.1	-13.9	NA	NA	NA	1.3
NA	NA	-2.7	NA	NA	NA	NA	2.1
-4.9	3.3	-3.0	32.0	NA	NA	NA	1.7
NA	NA	1.9	NA	NA	NA	NA	1.6
-4.6	2.1	-1.0	47.6	NA	NA	NA	1.0
-4.6	3.9	0.5	19.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.6
NA	NA	-2.8	NA	NA	NA	NA	1.4
NA	NA	1.6	NA	NA	NA	NA	1.0
-4.2	7.4	0.7	55.9	NA	NA	NA	0.5
-4.3	8.0	-0.5	36.8	NA	NA	NA	0.9
NA	NA	-2.1	NA	NA	NA	NA	1.4
-4.6	2.5	-1.5	-15.4	NA	NA	NA	1.0
-5.0	3.2	-0.2	101.6	-4.3	1.2	53.2	0.5
-4.9	2.2	0.2	89.1	-4.0	0.9	49.5	0.5
NA	NA	0.6	NA	NA	NA	NA	1.9
-4.7	1.9	-1.0	-20.0	NA	NA	NA	1.0
-5.1	4.5	-0.7	71.4	NA	NA	NA	1.1
-5.1	4.3	0.2	55.3	NA	NA	NA	1.0
NA	NA	5.6	NA	NA	NA	NA	2.0
-5.0	1.4	0.7	-19.8	NA	NA	NA	1.0
-5.2	1.5	2.1	32.8	NA	NA	NA	1.5
-4.9	1.2	0.8	44.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.4	6.5	-0.8	-22.7	NA	NA	NA	1.0
-4.5	5.5	0.9	50.9	NA	NA	NA	1.0
-4.2	2.9	1.3	72.2	NA	NA	NA	1.0
-4.7	8.0	-0.8	-45.0	NA	NA	NA	1.4
-4.6	0.7	-2.0	-21.0	NA	NA	NA	1.2
-4.6	6.8	-2.1	28.7	NA	NA	NA	1.3
-5.2	8.0	-0.9	23.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.7
-4.5	8.0	-0.8	-17.4	NA	NA	NA	0.6
NA	NA	0.7	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	1.1	29.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.2
-4.8	1.4	-2.3	142.5	NA	NA	NA	2.0
-5.1	2.2	-0.5	55.4	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.5	2.7	0.2	-72.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.1
-4.3	3.1	-0.5	81.6	NA	NA	NA	1.0
-4.5	3.3	1.7	-93.7	NA	NA	NA	1.5
-4.3	8.0	5.9	-56.7	NA	NA	NA	1.7
-4.7	8.0	-12.0	110.1	-4.2	4.4	-105.6	2.5
-4.6	6.2	-10.3	69.1	-4.3	10.0	9.2	2.3
-4.4	0.9	1.2	-132.8	NA	NA	NA	1.6
-4.4	1.2	-4.4	-85.5	NA	NA	NA	1.3
-7.8	6.3	-0.6	34.0	-7.3	2.3	-6.4	1.0
-4.7	2.1	0.2	27.9	NA	NA	NA	1.1
-4.3	1.8	12.9	-128.2	NA	NA	NA	2.3
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.7	2.1	2.0	41.4	NA	NA	NA	1.4
-4.6	1.7	-0.4	31.3	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.0
-4.2	3.8	-1.7	-28.2	NA	NA	NA	1.0
-4.3	4.0	-0.9	78.7	NA	NA	NA	1.2
-4.3	5.8	-1.3	74.3	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.5
-5.0	1.8	0.1	-26.3	-4.0	10.0	9.3	0.5
-4.8	1.5	-4.1	119.1	-4.2	10.0	27.6	1.8
-4.7	1.4	-2.3	121.5	-4.2	10.0	28.2	1.1
NA	NA	3.1	NA	NA	NA	NA	1.5
-5.1	1.4	1.1	-19.3	NA	NA	NA	1.0
-5.0	1.9	2.4	72.5	NA	NA	NA	1.2
-4.9	1.5	1.1	76.0	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	2.0
-5.1	1.1	1.6	-20.1	-4.0	10.0	-1.7	0.9
-5.1	1.5	-4.9	80.9	-4.3	9.9	33.4	1.6
-5.2	1.8	-2.0	57.1	-4.2	10.0	28.7	1.0
NA	NA	5.6	NA	NA	NA	NA	1.8
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.9	2.9	-7.9	37.0	NA	NA	NA	1.5
-4.3	1.5	-2.8	57.0	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.5	3.6	1.5	50.5	NA	NA	NA	1.5
-4.9	1.6	0.6	38.0	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.9	-0.7	-87.5	NA	NA	NA	1.0
-5.0	2.5	-0.9	32.1	-4.6	10.0	-10.4	1.0
-4.7	1.8	-0.7	63.4	NA	NA	NA	1.0
-4.5	8.0	-0.1	-113.6	NA	NA	NA	1.5
-4.5	2.6	-1.4	-71.8	NA	NA	NA	1.2
-5.5	1.3	-2.6	65.2	-4.5	5.4	-113.3	1.6
-5.2	1.5	-0.1	57.1	-4.6	10.0	3.6	1.1
-4.6	4.1	1.1	-106.9	NA	NA	NA	1.2
-4.5	8.0	-0.6	-44.4	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	5.4	0.0	19.6	NA	NA	NA	0.3
NA	NA	-0.9	NA	NA	NA	NA	1.1
NA	NA	1.5	NA	NA	NA	NA	0.8
-4.2	8.0	0.8	83.8	NA	NA	NA	1.0
-4.2	8.0	-0.6	70.9	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.2	3.0	-5.4	-30.1	NA	NA	NA	1.3
-4.2	4.6	-1.8	54.8	NA	NA	NA	1.2
-4.3	2.5	1.2	66.9	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.7	8.0	5.6	-39.5	NA	NA	NA	1.2
-5.0	5.4	-7.7	62.8	-4.6	10.0	11.0	2.3
-4.9	8.0	-8.9	49.5	NA	NA	NA	1.9
-4.6	2.1	0.9	-83.0	NA	NA	NA	1.1
-4.6	2.0	0.8	-92.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	2.2	-0.1	34.0	NA	NA	NA	0.4
-4.9	2.2	0.3	-101.6	NA	NA	NA	1.0
-4.6	8.0	-0.2	-35.0	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.4	4.1	-0.2	22.7	NA	NA	NA	0.5
-4.7	3.6	-9.1	-67.2	NA	NA	NA	2.3
-4.9	1.0	0.4	-38.7	NA	NA	NA	1.2
-5.6	3.0	-0.1	118.8	-4.8	9.1	10.4	1.0
-5.5	3.5	-0.2	99.0	-5.0	10.0	40.3	1.0
-5.4	3.2	1.3	-63.9	NA	NA	NA	1.4
NA	NA	-4.3	NA	NA	NA	NA	1.4
-4.4	1.3	-2.1	84.8	NA	NA	NA	1.8
-4.3	1.0	1.3	101.0	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.2
-4.3	2.5	-2.0	-58.5	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.2	3.3	0.6	43.2	NA	NA	NA	0.9
NA	NA	-1.3	NA	NA	NA	NA	1.9
-5.0	0.6	0.6	-64.5	NA	NA	NA	1.3
-6.0	1.1	-3.4	156.3	-5.2	10.0	-102.6	2.3

ga	gw	zr	tp	la	lw	bt	er
-6.0	1.0	-2.1	122.2	-5.2	10.0	-25.0	1.8
-5.2	8.0	3.3	-98.1	NA	NA	NA	1.3
-6.1	1.7	1.1	-76.3	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.4	1.5	0.3	52.3	NA	NA	NA	1.1
-5.6	3.0	-0.1	-86.2	NA	NA	NA	1.6
-5.6	2.3	-0.5	-17.2	NA	NA	NA	1.0
-5.4	2.8	0.3	106.0	-4.9	6.7	1.8	1.0
-5.5	2.3	0.2	51.3	-4.8	3.9	8.5	0.9
-4.8	8.0	-1.2	-49.1	NA	NA	NA	2.0
-5.3	8.0	-0.9	-26.9	-4.7	4.2	-7.7	0.9
-5.7	1.5	0.4	34.1	-5.1	9.1	-15.5	1.0
-5.8	1.8	0.5	25.3	-4.8	9.8	-8.7	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.2	3.1	-1.2	63.4	NA	NA	NA	1.1
-4.5	1.7	-0.8	38.1	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.3
-5.7	2.0	-1.1	-15.1	NA	NA	NA	1.1
-4.6	0.5	3.9	109.1	NA	NA	NA	2.2
-5.3	0.7	1.1	72.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.5
-4.4	8.0	-1.7	-66.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	4.3	0.3	63.9	NA	NA	NA	0.4
-4.2	3.7	1.4	-118.6	NA	NA	NA	1.0
-4.3	1.6	-2.2	-68.5	NA	NA	NA	1.6
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	2.0	0.6	52.7	NA	NA	NA	0.9
-4.5	8.0	-1.0	-70.0	NA	NA	NA	2.1
-4.5	8.0	-0.5	-48.1	NA	NA	NA	1.5
-5.3	8.0	-1.1	35.7	-4.6	5.9	-128.3	1.9
-5.3	8.0	0.6	24.8	-4.7	10.0	-30.3	0.8
-4.7	2.5	-1.9	-96.1	NA	NA	NA	1.7
-4.2	8.0	-0.6	-41.3	NA	NA	NA	1.0
-5.1	8.0	0.3	16.7	NA	NA	NA	1.0
-4.4	1.8	0.0	45.2	NA	NA	NA	1.0
NA	NA	-3.9	NA	NA	NA	NA	2.4
-4.8	3.3	0.5	-77.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	3.7	0.0	76.7	NA	NA	NA	0.4
-4.7	3.6	0.1	-97.3	NA	NA	NA	1.0
-4.4	1.7	1.2	-64.3	NA	NA	NA	1.3
-4.5	6.3	0.5	26.8	NA	NA	NA	1.0
-4.3	2.3	-0.1	103.6	NA	NA	NA	0.9
NA	NA	-1.2	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.3	-0.1	-77.8	NA	NA	NA	1.0
-4.7	6.4	0.1	-19.1	NA	NA	NA	1.0
-4.3	2.2	0.6	91.5	NA	NA	NA	1.0
-4.6	1.2	0.8	-107.8	NA	NA	NA	1.7
NA	NA	-2.2	NA	NA	NA	NA	1.0
-4.7	4.8	-2.9	30.5	NA	NA	NA	1.6
-4.6	2.1	-0.6	27.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.1
-5.1	1.5	1.4	-22.8	NA	NA	NA	1.0
-4.7	1.1	4.2	103.5	NA	NA	NA	1.5
-4.6	1.0	1.8	107.9	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.5
-4.6	7.4	-0.9	-25.8	NA	NA	NA	1.0
-4.6	8.0	-1.0	24.5	NA	NA	NA	1.3
-4.6	8.0	0.1	46.9	-3.5	0.7	2.8	1.1
NA	NA	2.0	NA	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.8	2.0	1.8	35.5	NA	NA	NA	1.4
-4.7	3.0	0.9	19.0	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.8
-4.5	3.3	1.4	-18.0	NA	NA	NA	1.0
-4.4	1.6	4.3	89.4	NA	NA	NA	1.4
-4.6	2.7	2.8	60.9	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.9
NA	NA	-1.4	NA	NA	NA	NA	0.8
-4.4	1.6	-1.3	60.3	NA	NA	NA	1.3
-4.4	1.5	-0.4	52.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.4
NA	NA	1.4	NA	NA	NA	NA	1.1
-4.5	2.4	-0.7	179.4	NA	NA	NA	1.6
-4.5	3.0	-1.4	83.8	NA	NA	NA	1.0
NA	NA	4.1	NA	NA	NA	NA	1.8
-5.1	8.0	-0.5	-59.0	-4.3	1.0	-27.6	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.6
-4.9	8.0	-0.6	63.1	-4.3	9.6	29.9	0.5
-5.2	8.0	0.9	-77.2	NA	NA	NA	1.3
-5.8	1.5	-1.5	-20.4	NA	NA	NA	1.2
-5.2	0.7	0.1	126.1	NA	NA	NA	1.9
-5.6	1.3	0.4	91.5	NA	NA	NA	1.5
NA	NA	1.1	NA	NA	NA	NA	1.7
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.5	7.6	0.1	44.8	NA	NA	NA	1.7
-4.5	4.9	-0.5	41.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.5
NA	NA	0.6	NA	NA	NA	NA	0.8
-4.5	2.5	-3.3	49.5	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.1	1.8	-1.4	40.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.7
-5.8	3.4	-1.3	-19.8	-4.4	10.0	1.9	0.9
-4.8	0.7	-8.3	173.9	NA	NA	NA	1.9
-5.5	1.5	0.3	109.2	-4.4	1.4	52.4	1.3
NA	NA	0.4	NA	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.2	1.2	-1.1	177.4	NA	NA	NA	1.0
-4.3	1.4	-0.1	95.3	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.7
NA	NA	-1.8	NA	NA	NA	NA	0.6
-4.5	1.2	-0.1	31.4	NA	NA	NA	0.5
-4.4	1.4	0.6	24.3	NA	NA	NA	0.4
NA	NA	-0.7	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.1
-4.3	0.8	-0.6	49.8	NA	NA	NA	1.0
-4.4	1.3	0.2	54.5	NA	NA	NA	0.9
NA	NA	-0.3	NA	NA	NA	NA	2.3
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.3	1.7	-0.1	41.7	NA	NA	NA	0.5
-4.3	1.8	0.2	20.8	NA	NA	NA	0.3
NA	NA	-1.2	NA	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	0.7
-4.6	1.3	-0.3	44.2	NA	NA	NA	1.0
-4.3	1.4	1.2	54.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.4	2.8	1.6	60.0	NA	NA	NA	1.1
-4.1	4.9	1.9	46.2	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	0.8
-4.4	2.0	0.9	-75.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.5	2.4	0.3	54.9	NA	NA	NA	1.0
-4.2	7.5	-0.3	-80.8	NA	NA	NA	1.0
-4.4	1.8	0.7	-81.8	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
-4.3	1.2	-0.6	66.9	NA	NA	NA	1.0
-4.5	8.0	1.5	-45.9	NA	NA	NA	1.4
-4.4	3.2	0.9	-39.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	3.6	0.0	11.7	NA	NA	NA	0.4
NA	NA	-1.9	NA	NA	NA	NA	1.3
-4.2	7.4	1.1	-106.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	213.0	NA	NA	NA	0.9
-4.2	7.1	-5.1	-93.0	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.2	3.0	-1.3	-32.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.5
-4.1	4.2	1.3	40.9	NA	NA	NA	1.0
NA	NA	4.7	NA	NA	NA	NA	1.9
NA	NA	-1.0	NA	NA	NA	NA	0.6
-4.4	8.0	-0.9	40.3	NA	NA	NA	1.4
-4.3	3.3	-1.0	54.5	NA	NA	NA	1.2
NA	NA	-2.0	NA	NA	NA	NA	1.2
-4.4	1.8	0.8	-108.4	NA	NA	NA	1.0
-4.9	1.2	0.7	19.3	-4.3	10.0	-24.8	1.7
-4.5	1.6	0.6	82.2	NA	NA	NA	1.5
-4.2	3.2	-1.5	-122.9	NA	NA	NA	1.0
-4.3	2.9	-0.2	-65.9	NA	NA	NA	1.0
-4.3	3.1	-0.5	-28.2	NA	NA	NA	1.0
-4.3	3.2	0.3	44.6	NA	NA	NA	1.0
-4.4	5.8	-1.9	-95.6	NA	NA	NA	1.7
-4.3	2.6	0.1	-98.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	3.6	0.1	29.7	NA	NA	NA	0.3
-4.2	2.9	-3.7	-135.8	NA	NA	NA	1.9
-4.2	7.1	-0.5	-35.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	8.0	0.3	32.6	NA	NA	NA	0.5
NA	NA	-0.4	NA	NA	NA	NA	2.3
-4.4	1.8	-1.5	-108.2	NA	NA	NA	1.0
-4.2	8.0	2.1	-41.1	NA	NA	NA	1.0
-4.5	1.3	1.4	52.3	NA	NA	NA	1.0
-4.3	3.6	0.4	-112.6	NA	NA	NA	1.0
-4.3	3.5	1.2	-66.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.9
-4.3	4.7	-0.4	33.8	NA	NA	NA	0.5
-4.2	8.0	0.4	-127.9	NA	NA	NA	1.8
-4.2	4.2	0.9	-113.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.1	5.0	-0.2	107.6	NA	NA	NA	0.4
-4.3	8.0	1.6	-96.4	NA	NA	NA	1.0
-4.2	3.4	1.4	-89.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	3.5	-0.1	16.9	NA	NA	NA	0.3
-4.2	8.0	-0.3	-124.9	NA	NA	NA	1.6
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.4	2.2	-1.0	59.7	NA	NA	NA	1.5
-4.3	2.0	-0.7	46.7	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.3
-4.9	2.1	-0.8	-76.6	-4.1	10.0	-19.5	1.0
-6.0	2.5	-0.4	31.7	-5.2	10.0	-32.7	1.5



ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.5	NA	NA	NA	NA	1.3
-4.6	8.0	1.2	-94.1	NA	NA	NA	1.5
-4.8	3.7	-0.5	-66.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	3.4	0.1	42.1	NA	NA	NA	0.4
-4.6	1.1	1.8	-126.8	NA	NA	NA	1.0
-4.5	1.2	-0.4	-69.8	NA	NA	NA	1.4
-5.9	3.9	-0.4	21.5	-5.4	5.3	2.7	1.0
-4.4	1.1	0.2	78.7	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	2.0
-5.3	2.7	0.8	-28.5	NA	NA	NA	1.1
-4.7	4.6	1.5	-11.5	NA	NA	NA	1.0
-4.2	3.3	1.1	66.1	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.7
-5.0	0.8	0.4	-92.9	NA	NA	NA	1.0
-5.2	0.7	0.0	-7.6	NA	NA	NA	0.5
-4.7	1.7	0.3	43.8	NA	NA	NA	0.4
-5.0	1.4	-6.0	-93.6	NA	NA	NA	1.9
NA	NA	-1.1	NA	NA	NA	NA	1.6
-4.4	1.2	3.5	46.2	NA	NA	NA	1.6
-4.4	1.4	3.1	44.2	NA	NA	NA	1.4
NA	NA	1.1	NA	NA	NA	NA	0.7
-4.3	2.8	2.4	-27.0	NA	NA	NA	1.0
-4.4	1.9	-1.6	76.0	NA	NA	NA	1.1
-4.3	2.2	-1.9	76.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	0.8
-4.3	3.0	0.6	48.6	NA	NA	NA	1.0
-4.3	4.1	-0.2	38.9	NA	NA	NA	0.9
NA	NA	-7.2	NA	NA	NA	NA	2.1
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.2	3.4	-5.7	32.5	NA	NA	NA	1.6
-4.1	4.0	-1.4	56.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.6
NA	NA	-1.1	NA	NA	NA	NA	1.0
-4.5	1.3	2.4	67.5	NA	NA	NA	1.8
-4.4	1.3	1.9	61.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.3
-5.3	7.8	-2.2	13.7	NA	NA	NA	1.8
-5.2	3.4	0.6	30.7	-4.6	10.0	-2.9	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.7
-5.6	1.4	-0.8	-28.2	NA	NA	NA	1.0
-5.5	1.0	2.4	108.7	NA	NA	NA	1.7
-5.5	1.5	2.4	110.3	NA	NA	NA	1.6
NA	NA	0.6	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.4	4.1	0.9	-19.6	NA	NA	NA	1.0
-4.4	8.0	-0.1	63.0	NA	NA	NA	1.0
-4.4	6.2	-0.2	61.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.5
NA	NA	1.2	NA	NA	NA	NA	1.0
-4.6	6.1	0.5	73.9	-4.1	10.0	28.8	0.5
-4.7	6.7	-0.7	43.7	NA	NA	NA	0.9
NA	NA	-3.5	NA	NA	NA	NA	1.5
NA	NA	-0.4	NA	NA	NA	NA	1.2
-4.9	7.6	0.4	21.4	NA	NA	NA	1.9
-4.2	2.6	1.3	34.6	NA	NA	NA	1.0
NA	NA	-4.1	NA	NA	NA	NA	1.6
-4.3	3.9	-3.1	-27.0	NA	NA	NA	1.4
-4.3	4.7	0.1	65.4	NA	NA	NA	1.2
-4.3	5.1	0.2	61.0	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.5	7.6	-1.5	-21.9	NA	NA	NA	1.0
-4.6	3.6	-1.7	52.5	NA	NA	NA	1.3
-4.5	3.8	-0.5	79.9	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.7	8.0	-0.4	-11.0	NA	NA	NA	1.0
-4.7	8.0	-0.2	22.7	NA	NA	NA	1.0
-4.7	7.9	0.2	23.4	NA	NA	NA	0.9
NA	NA	-3.9	NA	NA	NA	NA	2.0
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.8	8.0	0.1	76.8	-4.5	7.8	-66.6	1.6
-4.8	7.9	-1.2	44.9	-4.6	10.0	-17.0	1.0
-4.4	8.0	-5.3	-96.1	NA	NA	NA	1.9
-4.7	1.5	1.1	-39.4	NA	NA	NA	1.0
-5.1	3.4	-1.6	53.5	NA	NA	NA	1.3
-4.7	1.6	-0.9	105.2	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.5
-4.5	8.0	1.0	-19.8	NA	NA	NA	1.1
-4.7	1.6	0.5	49.5	-4.5	9.8	3.1	1.0
-4.9	7.9	-0.2	31.2	-4.4	3.0	-9.9	1.0
-4.4	6.6	1.6	-65.0	NA	NA	NA	1.5
-5.9	0.8	1.6	-9.0	NA	NA	NA	1.0
-6.3	2.3	0.2	18.1	-5.6	10.0	-0.8	0.5
-6.3	2.8	-0.1	14.5	-5.7	3.6	1.2	0.4
NA	NA	2.7	NA	NA	NA	NA	1.5
NA	NA	2.0	NA	NA	NA	NA	1.3
-4.4	1.8	2.2	77.5	NA	NA	NA	1.6
-4.4	1.1	-0.6	38.6	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.5
-4.7	8.0	-0.8	-13.3	NA	NA	NA	0.8
-4.3	5.6	-2.2	86.4	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.6	0.2	84.1	NA	NA	NA	1.1
NA	NA	2.7	NA	NA	NA	NA	1.3
-5.3	1.3	2.4	-92.7	NA	NA	NA	1.0
-5.9	2.3	-3.8	88.1	-5.0	2.5	-40.0	1.2
-5.8	2.3	-3.4	122.1	-4.8	8.5	75.2	1.4
-5.0	2.9	0.0	-99.6	NA	NA	NA	1.0
-5.0	0.8	2.2	-70.3	NA	NA	NA	1.3
-6.1	8.0	3.1	39.5	-4.7	1.0	-82.4	2.1
-5.4	0.7	-2.3	75.7	-4.3	9.6	9.4	1.4
-4.8	0.9	1.5	-117.4	NA	NA	NA	1.4
-4.9	1.4	-1.1	-78.3	NA	NA	NA	1.0
-5.4	1.3	-0.1	-25.6	-4.1	10.0	-11.4	0.5
-4.4	1.9	0.2	178.7	NA	NA	NA	1.0
-5.1	2.8	-3.0	-101.8	NA	NA	NA	1.6
-4.9	4.0	0.7	-90.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	2.5	0.0	192.9	NA	NA	NA	0.4
-5.4	2.5	1.1	-102.0	NA	NA	NA	1.0
-4.4	1.3	-0.3	-111.2	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	0.2
-4.2	4.7	0.6	242.5	NA	NA	NA	0.9
-4.3	2.0	-2.4	-141.3	NA	NA	NA	2.4
-5.1	1.3	-0.5	-83.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.6
-5.1	1.0	-0.2	21.0	NA	NA	NA	0.3
-5.1	2.4	-2.6	-102.7	NA	NA	NA	1.3
-4.7	1.0	0.9	-99.1	NA	NA	NA	1.0
-4.8	1.8	-2.2	-24.0	NA	NA	NA	1.0
-4.2	1.4	0.1	226.3	NA	NA	NA	1.0
-4.8	1.7	0.2	-107.0	NA	NA	NA	1.9
-4.5	1.9	-3.7	-55.0	NA	NA	NA	1.0
-5.3	2.2	-2.6	44.7	-4.6	10.0	-25.2	1.0
-5.5	3.1	-1.6	15.4	-4.6	9.9	-2.2	1.0
-4.5	7.2	-1.8	-75.5	NA	NA	NA	1.1
-4.3	8.0	0.2	-61.2	NA	NA	NA	1.0
-4.1	8.0	0.4	-227.3	NA	NA	NA	1.8
-4.5	8.0	0.2	40.4	-4.3	10.0	-1.0	1.0
-4.1	3.8	1.8	-125.4	NA	NA	NA	1.5
-4.3	5.5	-2.9	-85.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	0.9	155.4	NA	NA	NA	0.4
-4.4	3.0	0.3	-112.3	NA	NA	NA	1.0
-4.6	6.9	-3.0	-70.1	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.5	8.0	0.5	63.7	NA	NA	NA	0.9
-4.6	8.0	-1.6	-94.4	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	0.4	-76.7	NA	NA	NA	1.1
-4.4	7.3	-0.1	-11.7	NA	NA	NA	1.0
-4.3	8.0	1.0	119.7	NA	NA	NA	1.0
-4.4	8.0	1.1	-96.3	NA	NA	NA	1.7
-4.5	1.4	0.0	-19.4	NA	NA	NA	1.0
-4.4	1.3	-1.3	59.0	NA	NA	NA	2.0
-4.4	1.5	-1.0	60.5	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.7
-4.5	1.9	-0.3	-19.9	NA	NA	NA	1.0
-4.3	1.3	0.2	77.1	NA	NA	NA	1.6
-4.3	1.6	0.4	87.5	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.6
-4.3	1.4	-0.6	-21.8	NA	NA	NA	0.8
-4.3	1.8	-1.1	65.5	NA	NA	NA	1.8
-4.3	1.5	-0.1	67.7	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	1.3
-4.4	8.0	2.2	64.9	NA	NA	NA	1.3
-4.3	3.6	1.8	49.4	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.7
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.7	1.4	-0.3	91.1	NA	NA	NA	1.8
-4.7	4.3	0.7	33.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.2	7.3	-0.5	-36.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.1
-4.2	7.2	0.5	55.8	NA	NA	NA	0.5
NA	NA	-0.7	NA	NA	NA	NA	1.8
-4.7	5.2	-2.1	-23.6	NA	NA	NA	1.0
-4.5	7.9	-0.1	17.4	NA	NA	NA	1.0
-4.8	4.0	0.7	27.7	NA	NA	NA	0.9
NA	NA	-0.4	NA	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	1.2
-5.3	1.9	3.6	25.4	NA	NA	NA	1.4
-4.6	2.2	1.3	50.6	-4.0	2.4	3.4	0.6
NA	NA	0.0	NA	NA	NA	NA	1.3
-5.1	2.3	-3.3	-29.4	NA	NA	NA	1.0
-4.8	8.0	4.9	27.6	NA	NA	NA	1.6
-4.7	2.0	3.8	72.4	-4.1	10.0	23.7	1.4
NA	NA	-1.2	NA	NA	NA	NA	1.1
-4.6	8.0	0.8	-14.7	NA	NA	NA	1.0
-4.3	1.4	4.4	107.0	NA	NA	NA	1.9
-4.6	2.5	1.2	73.3	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.6	8.0	-0.6	-11.6	NA	NA	NA	0.8
-4.4	1.0	1.7	94.9	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.3	1.1	91.1	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	1.6
-4.4	3.7	1.4	-36.2	NA	NA	NA	1.0
-4.5	4.0	-2.3	82.5	NA	NA	NA	1.0
-4.5	5.4	-0.8	88.2	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.4
NA	NA	1.6	NA	NA	NA	NA	1.1
-4.7	8.0	0.2	15.2	NA	NA	NA	1.0
-4.8	8.0	-0.4	5.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	2.2
-4.3	3.0	1.5	-69.3	NA	NA	NA	1.1
-4.8	3.0	-1.4	17.6	-4.3	4.7	-18.3	1.4
-4.7	1.1	-1.7	17.2	NA	NA	NA	1.1
-4.4	7.3	-1.4	-46.7	NA	NA	NA	1.0
-5.0	7.9	-0.9	13.9	-4.2	3.7	-25.9	1.0
-4.2	4.5	-1.8	65.7	NA	NA	NA	1.4
-4.2	8.0	-1.4	51.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.4
-4.2	8.0	1.2	-83.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	6.4	-0.2	43.1	NA	NA	NA	0.4
-4.2	6.0	-0.1	-80.0	NA	NA	NA	1.0
-4.2	8.0	1.5	-74.6	NA	NA	NA	1.4
-5.2	0.8	-0.6	19.8	-4.2	6.7	-24.1	1.0
-4.2	3.8	1.4	42.7	NA	NA	NA	1.0
-4.2	4.9	-4.4	-101.8	NA	NA	NA	1.9
-4.2	4.0	1.2	-111.1	NA	NA	NA	1.0
-4.3	6.9	-2.7	-41.4	NA	NA	NA	1.0
-4.3	7.7	-2.4	21.1	NA	NA	NA	1.0
-4.4	8.0	-0.3	-96.1	NA	NA	NA	1.3
-4.5	0.8	2.5	-81.3	NA	NA	NA	1.3
-6.0	8.0	2.1	77.0	-4.8	2.5	-165.9	2.0
-5.9	2.5	0.2	68.6	-5.0	3.5	-29.4	1.5
-4.6	1.5	-0.4	-114.2	NA	NA	NA	1.5
-5.0	1.9	1.8	42.7	-4.4	10.0	-67.9	1.2
-4.4	8.0	0.2	-32.1	NA	NA	NA	1.0
-5.3	2.5	-0.5	-16.2	-4.3	6.9	90.2	0.5
-4.9	2.5	-5.5	-91.1	NA	NA	NA	2.3
-4.4	6.3	1.1	-90.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	5.1	-0.1	97.9	NA	NA	NA	0.4
-4.2	4.9	0.1	-129.8	NA	NA	NA	1.4
-4.2	5.7	0.4	-108.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	7.2	0.3	174.7	NA	NA	NA	0.9
-4.2	4.9	2.9	-132.5	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.2	2.3	-1.1	-113.8	NA	NA	NA	1.3
-6.1	8.0	0.0	7.7	-4.1	9.6	-27.4	1.0
-4.1	2.5	0.8	213.1	NA	NA	NA	1.0
-4.1	8.0	-2.0	-134.9	NA	NA	NA	2.0
NA	NA	0.3	NA	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	2.1
-4.9	6.7	-0.6	28.0	-4.1	10.0	-2.6	1.2
-4.5	8.0	-2.7	-35.3	NA	NA	NA	1.6
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.2	4.0	0.6	49.9	NA	NA	NA	1.0
-4.2	5.3	0.4	38.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.3	5.7	-0.3	49.2	NA	NA	NA	1.0
-4.1	3.4	-0.1	62.5	NA	NA	NA	0.5
NA	NA	2.2	NA	NA	NA	NA	1.8
-4.4	8.0	0.1	-39.9	NA	NA	NA	1.1
-4.4	2.4	0.4	241.2	NA	NA	NA	1.0
-4.4	3.3	0.5	234.5	NA	NA	NA	1.0
-4.7	8.0	3.0	-30.3	NA	NA	NA	1.7
NA	NA	-1.8	NA	NA	NA	NA	0.6
-4.9	1.5	-3.2	17.8	NA	NA	NA	1.7
-4.7	1.4	-0.2	22.1	-4.0	10.0	-21.4	1.0
NA	NA	3.5	NA	NA	NA	NA	1.8
-4.1	4.4	1.4	-32.3	NA	NA	NA	1.0
-4.6	2.6	1.0	51.5	NA	NA	NA	1.0
-4.3	2.1	0.0	67.9	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	2.0
-6.8	0.9	2.1	-30.2	NA	NA	NA	1.1
-7.1	2.2	0.7	88.4	-6.2	1.2	-10.4	1.2
-7.4	3.4	-0.9	38.4	-4.8	10.0	4.5	1.6
-6.1	1.2	1.6	-52.3	NA	NA	NA	1.7
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.1	4.8	0.0	64.2	NA	NA	NA	2.0
-4.1	6.7	0.7	27.0	NA	NA	NA	0.5
NA	NA	0.7	NA	NA	NA	NA	0.8
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.4	2.6	2.9	48.3	NA	NA	NA	1.9
-4.4	3.8	1.9	19.3	NA	NA	NA	0.8
NA	NA	0.3	NA	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	0.8
-4.8	1.1	-0.2	47.8	NA	NA	NA	1.0
-4.7	1.8	-0.5	49.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
-4.4	6.2	-4.8	20.5	NA	NA	NA	1.5
-7.6	8.0	14.9	87.1	-4.5	0.8	-96.3	2.8

ga	gw	zr	tp	la	lw	bt	er
-7.4	5.3	6.0	66.2	-4.6	1.1	-86.9	2.3
NA	NA	-5.8	NA	NA	NA	NA	1.8
-6.1	1.0	-0.5	-18.6	NA	NA	NA	1.0
-6.1	1.3	-1.7	63.1	NA	NA	NA	1.9
-5.7	1.0	1.3	68.5	NA	NA	NA	1.5
NA	NA	0.8	NA	NA	NA	NA	1.6
-6.5	4.7	-1.1	-13.1	NA	NA	NA	1.1
-6.3	1.1	-1.4	65.0	NA	NA	NA	2.0
-6.5	1.2	0.7	51.4	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	1.7
NA	NA	1.0	NA	NA	NA	NA	0.8
-4.4	1.1	1.5	85.3	NA	NA	NA	1.4
-4.5	2.2	0.6	51.6	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.4
-4.9	1.2	-0.9	-24.8	NA	NA	NA	1.0
-5.1	1.2	-2.9	97.6	-4.4	9.7	-72.9	2.0
-5.1	1.6	1.5	80.7	-4.4	10.0	7.7	1.2
-4.3	1.8	0.5	-99.9	NA	NA	NA	1.4
-4.4	8.0	-3.0	-40.5	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.4
-4.4	4.9	0.0	10.9	NA	NA	NA	0.4
-4.7	2.1	-0.8	68.8	-4.3	9.1	6.6	1.0
-4.3	3.1	1.9	-61.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.3
-4.4	3.0	-0.7	33.0	NA	NA	NA	1.0
-4.1	4.9	-0.8	-96.4	NA	NA	NA	1.6
-4.6	8.0	-1.9	-74.8	NA	NA	NA	0.9
-4.9	1.6	-1.3	-31.6	NA	NA	NA	1.3
-4.4	8.0	0.0	60.2	NA	NA	NA	1.1
-4.6	6.6	-0.1	-81.5	NA	NA	NA	1.2
-4.6	3.4	0.6	-62.7	NA	NA	NA	1.4
-5.4	8.0	0.8	34.2	-4.6	2.7	-143.6	2.1
-5.3	4.4	1.6	40.2	-4.5	7.7	-7.8	1.3
-4.7	4.0	0.8	-96.9	NA	NA	NA	1.6
-4.2	8.0	2.0	-89.7	NA	NA	NA	1.1
-4.2	8.0	0.3	-29.2	NA	NA	NA	1.0
-4.2	6.2	0.1	87.8	NA	NA	NA	0.5
-4.7	4.8	-3.8	-79.2	NA	NA	NA	2.2
-4.3	2.8	-2.0	-96.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	4.9	1.3	88.0	NA	NA	NA	0.4
-4.4	8.0	0.2	-96.0	NA	NA	NA	1.5
-4.4	8.0	-1.3	-77.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.3
-4.2	3.1	0.2	162.6	NA	NA	NA	0.9
-4.9	3.2	-4.3	-87.1	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	2.2	-75.9	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	0.2	29.0	NA	NA	NA	0.3
-4.4	8.0	-0.3	-94.3	NA	NA	NA	1.7
-4.3	3.9	-0.2	-52.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.3
-4.5	8.0	0.9	19.6	NA	NA	NA	1.0
-4.1	6.1	1.1	-91.9	NA	NA	NA	1.7
-4.5	2.3	-1.9	-65.6	NA	NA	NA	1.0
-5.2	3.0	-0.4	47.2	-4.6	10.0	-123.6	1.7
-5.0	1.0	0.4	52.9	-4.5	10.0	2.3	1.0
-4.5	2.8	0.1	-118.9	NA	NA	NA	1.5
-4.6	3.6	0.5	-83.0	NA	NA	NA	1.0
-4.7	8.0	0.7	19.7	-4.4	9.7	-21.9	1.0
-4.7	5.6	0.1	37.8	NA	NA	NA	1.0
-4.5	2.6	0.9	-132.2	NA	NA	NA	1.5
-4.8	3.7	-1.1	-30.6	NA	NA	NA	1.0
-5.0	3.0	-0.8	55.4	-4.5	6.3	7.3	1.1
-4.9	3.6	-0.3	61.2	-4.4	9.7	8.5	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.3
-4.5	0.8	-1.8	-96.2	NA	NA	NA	1.4
-5.5	1.4	3.5	107.6	-4.6	4.1	-31.6	1.6
-5.5	1.6	5.2	146.9	-4.8	10.0	54.6	1.9
-4.6	4.4	0.2	-89.9	NA	NA	NA	1.0
-4.3	8.0	0.4	-63.7	NA	NA	NA	1.2
-4.5	8.0	2.8	38.2	-4.1	5.8	-81.9	1.2
-4.6	8.0	2.0	20.9	-4.0	0.9	4.2	0.5
-4.3	8.0	-0.4	-95.4	NA	NA	NA	1.1
-4.2	8.0	0.9	-70.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	8.0	0.0	47.7	NA	NA	NA	0.5
-4.4	8.0	1.2	-78.9	NA	NA	NA	1.5
-4.4	4.3	-1.4	-87.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.1	4.0	0.0	186.0	NA	NA	NA	0.4
-4.5	4.5	0.4	-98.9	NA	NA	NA	1.0
-4.2	7.2	0.8	-64.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	8.0	-0.6	55.7	NA	NA	NA	0.5
-4.4	8.0	-1.4	-77.2	NA	NA	NA	1.4
-4.3	2.4	1.7	-68.3	NA	NA	NA	1.2
-5.1	3.0	0.6	14.8	-4.0	1.5	-24.5	0.5
-4.6	0.9	-0.3	13.6	NA	NA	NA	0.3
-4.5	6.4	0.5	-85.4	NA	NA	NA	1.0
-4.1	3.3	-1.1	-112.0	NA	NA	NA	1.2
-4.4	8.0	-0.7	-14.0	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.1	7.8	0.9	198.8	NA	NA	NA	1.0
-4.3	8.0	-1.1	-100.7	NA	NA	NA	1.2
-4.7	8.0	1.6	-15.6	NA	NA	NA	1.1
-5.4	2.1	0.1	65.2	-4.4	9.7	-101.9	1.7
-5.2	1.9	-1.0	61.2	-4.5	3.7	3.3	1.0
-4.1	4.7	1.2	-74.9	NA	NA	NA	1.0
-4.4	4.4	-0.4	-53.4	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.1
-4.5	6.2	-0.1	28.5	NA	NA	NA	1.0
-4.1	8.0	-3.0	-68.4	NA	NA	NA	1.8
-5.3	3.8	0.9	-11.6	NA	NA	NA	1.1
-5.0	1.1	3.4	70.3	-4.5	9.8	-5.0	2.0
-4.8	1.0	0.6	76.5	-4.4	9.2	3.3	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.4	3.5	1.2	-50.4	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.6
-4.4	3.8	0.2	33.3	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.9
-4.5	3.8	2.0	-69.7	NA	NA	NA	1.0
-4.9	6.5	1.5	34.7	-4.6	10.0	-153.9	1.7
-4.8	1.5	-0.9	28.4	-4.5	10.0	-11.0	0.8
-4.5	4.5	-4.2	-103.6	NA	NA	NA	1.2
-4.4	2.8	0.5	-46.9	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.6
-4.4	5.5	-0.7	21.4	NA	NA	NA	0.5
NA	NA	-2.9	NA	NA	NA	NA	1.9
-4.5	7.9	0.7	-76.1	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.4	1.9	-0.7	45.3	NA	NA	NA	1.0
-4.4	4.1	0.7	-96.9	NA	NA	NA	1.4
-4.6	2.4	0.8	-67.5	NA	NA	NA	1.1
-5.7	8.0	3.2	17.1	-4.2	2.5	-134.5	1.8
-4.9	1.3	-0.1	26.9	-4.3	10.0	-16.3	1.1
-4.4	2.7	0.6	-102.8	NA	NA	NA	1.9
-4.2	8.0	0.9	-72.0	NA	NA	NA	1.4
-4.2	5.3	-1.3	-31.8	NA	NA	NA	1.0
-4.2	8.0	-1.1	46.9	NA	NA	NA	1.0
-4.4	2.6	-0.5	-99.3	NA	NA	NA	1.8
-4.5	8.0	1.3	-90.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	3.5	-0.2	101.6	NA	NA	NA	0.4
-4.2	3.4	-4.5	-122.6	NA	NA	NA	1.7
-4.2	5.4	1.7	-106.3	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	6.7	-0.5	156.7	NA	NA	NA	0.9
-4.5	7.2	-1.6	-87.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.2	1.9	0.4	-107.8	NA	NA	NA	1.0
-4.1	4.0	0.3	-31.7	NA	NA	NA	1.0
-4.1	3.9	0.7	184.2	NA	NA	NA	1.0
-4.1	3.1	-1.6	-124.2	NA	NA	NA	1.7
-4.8	0.5	2.9	-20.5	NA	NA	NA	1.3
-5.5	4.2	1.2	42.2	NA	NA	NA	1.0
-5.5	3.9	-0.3	30.5	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.6
NA	NA	-1.0	NA	NA	NA	NA	1.6
-5.3	5.4	5.7	34.6	NA	NA	NA	2.4
-4.4	2.7	4.3	43.0	NA	NA	NA	1.2
NA	NA	-3.9	NA	NA	NA	NA	1.8
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.1	8.0	-0.3	54.0	NA	NA	NA	1.7
-4.2	4.1	-0.5	54.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.5	2.4	-0.5	-88.1	NA	NA	NA	1.0
-4.8	2.6	-0.9	20.9	-4.4	10.0	-35.1	1.3
-4.6	3.6	-0.2	68.3	-4.1	10.0	10.2	1.2
-4.4	2.4	-0.9	-122.8	NA	NA	NA	1.6
-4.3	6.0	0.5	-53.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	8.0	-0.8	29.8	NA	NA	NA	0.5
-4.2	3.2	-1.2	-130.2	NA	NA	NA	2.2
-4.5	8.0	0.1	-84.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	4.8	-0.1	61.3	NA	NA	NA	0.4
-4.4	3.5	2.1	-102.2	NA	NA	NA	1.3
-4.2	5.8	-1.4	-90.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	7.8	0.4	132.1	NA	NA	NA	0.5
-4.2	8.0	4.2	-132.6	NA	NA	NA	1.9
-4.2	3.4	4.1	-93.4	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.3	-0.2	17.8	NA	NA	NA	0.3
-4.2	8.0	-1.1	-129.9	NA	NA	NA	1.5
-4.1	4.1	0.6	-107.4	NA	NA	NA	1.0
-4.3	8.0	-0.6	-20.4	NA	NA	NA	1.0
-4.1	7.3	-0.9	174.6	NA	NA	NA	1.0
-4.1	8.0	-1.8	-129.8	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.3	1.8	-2.4	166.5	NA	NA	NA	1.8
-4.2	2.7	-0.5	113.9	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.9
-4.4	3.3	1.0	-27.4	NA	NA	NA	1.0
-4.4	1.8	-0.8	81.7	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.1	-0.7	85.5	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.9
-4.5	3.2	-0.3	-53.7	NA	NA	NA	1.0
-4.4	8.0	3.3	-198.2	NA	NA	NA	1.8
-4.5	4.2	2.7	42.1	-4.1	10.0	-26.9	1.1
-4.5	8.0	0.7	-95.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.4	8.0	1.2	49.8	NA	NA	NA	1.2
-4.3	8.0	1.6	26.6	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.5	1.2	0.0	117.6	NA	NA	NA	1.4
-4.4	2.4	1.3	68.6	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	0.8
-4.6	1.9	-2.9	100.6	NA	NA	NA	1.5
-4.5	1.9	-1.4	55.6	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.5	8.0	1.3	-39.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.4	4.0	-0.3	50.0	NA	NA	NA	0.9
-4.4	8.0	2.0	-64.5	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	0.5
-4.7	3.7	-0.5	41.0	NA	NA	NA	1.2
-4.7	3.6	-0.7	29.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.9
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.5	0.6	-0.3	55.7	NA	NA	NA	1.2
-4.8	3.5	2.4	54.4	-4.4	9.9	16.1	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.8
-6.7	1.6	-0.3	55.3	NA	NA	NA	1.1
-6.7	1.7	-0.7	36.3	NA	NA	NA	1.0
-6.7	1.7	-1.2	-52.7	NA	NA	NA	1.6
-4.7	1.5	-0.1	-78.9	NA	NA	NA	1.0
-6.0	2.7	1.7	20.8	-4.7	10.0	-28.5	1.2
-5.8	1.5	0.5	20.1	-4.4	10.0	-16.6	1.0
-4.5	3.7	0.7	-56.1	NA	NA	NA	1.3
-5.7	1.7	0.5	-18.5	-4.3	10.0	5.5	0.6
-5.2	1.0	-4.4	169.7	-4.5	10.0	-5.9	1.6
-5.2	1.1	-2.6	137.9	-4.6	10.0	14.8	1.3
-4.4	8.0	0.0	-100.9	NA	NA	NA	1.3
-4.7	4.5	2.2	-64.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	3.8	0.0	30.9	NA	NA	NA	0.4
NA	NA	5.0	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	-0.4	-38.1	NA	NA	NA	1.0
-4.4	6.9	0.0	36.5	NA	NA	NA	0.5
-4.4	6.1	0.2	59.0	NA	NA	NA	0.5
-4.5	8.0	-1.2	-70.6	NA	NA	NA	1.8
-4.4	4.0	0.2	-99.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.5	5.1	-1.1	46.9	NA	NA	NA	1.0
-4.6	8.0	-1.6	-106.6	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.5
-4.8	2.0	0.1	41.4	NA	NA	NA	2.3
-4.7	0.8	0.0	39.4	NA	NA	NA	1.7
NA	NA	1.9	NA	NA	NA	NA	1.5
-4.7	2.6	1.2	-50.3	NA	NA	NA	1.0
-5.0	4.5	0.9	37.4	-4.4	4.7	10.5	1.0
-4.5	1.4	-0.8	97.7	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.4	1.1	1.7	-69.0	NA	NA	NA	1.0
-5.5	1.5	-0.6	62.8	-4.3	5.9	-125.9	2.1
-5.0	1.2	-1.7	107.7	-4.0	8.7	30.8	1.0
-4.4	1.3	0.8	-120.7	NA	NA	NA	1.7
-4.2	8.0	-0.1	-71.5	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	0.6
-4.2	8.0	0.2	52.4	NA	NA	NA	0.5
-4.3	2.6	0.4	-94.1	NA	NA	NA	1.9
-4.7	8.0	0.0	-80.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.3
-4.7	8.0	0.1	70.8	NA	NA	NA	1.0
-4.9	6.4	0.8	-98.0	NA	NA	NA	1.7
-5.3	1.0	-1.3	-39.3	NA	NA	NA	1.0
-5.1	1.3	-1.0	112.6	-4.1	9.8	34.3	1.2
-5.1	1.8	0.5	132.7	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	1.2
-4.5	8.0	0.6	-39.2	NA	NA	NA	1.0
-4.5	5.3	0.0	81.9	NA	NA	NA	1.1
-4.5	7.1	-0.6	74.5	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.3
-4.6	1.6	1.5	83.1	NA	NA	NA	1.5
-4.9	4.8	-0.3	24.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.7
-5.0	0.4	5.4	-10.7	NA	NA	NA	1.1
-4.8	8.0	0.3	34.2	NA	NA	NA	1.0
-4.8	7.0	-0.6	31.5	NA	NA	NA	0.9
NA	NA	0.2	NA	NA	NA	NA	2.4
-4.9	3.4	1.2	-23.6	NA	NA	NA	1.0
-5.1	1.7	0.4	64.9	-4.4	8.5	31.7	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.0	1.8	-0.4	65.6	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.4
-5.1	7.9	-0.4	-16.8	NA	NA	NA	1.0
-5.2	2.2	0.5	48.4	NA	NA	NA	1.1
-4.8	1.8	1.3	53.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.3
-4.7	0.9	0.5	-30.0	NA	NA	NA	1.0
-5.0	3.4	0.1	60.8	NA	NA	NA	1.1
-4.7	1.6	-1.1	83.8	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.2
-5.0	1.7	0.4	-65.8	NA	NA	NA	1.2
-6.0	2.9	-0.2	45.0	-5.3	4.5	-21.5	1.0
-4.9	0.8	-0.2	92.0	NA	NA	NA	1.6
-5.6	2.1	-0.2	-105.4	NA	NA	NA	1.4
NA	NA	-2.9	NA	NA	NA	NA	0.9
-4.6	3.9	-1.0	35.0	NA	NA	NA	1.2
-4.4	1.8	1.3	45.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.5	1.5	-1.3	47.9	NA	NA	NA	1.2
-4.4	1.6	0.4	55.1	NA	NA	NA	1.0
NA	NA	-6.3	NA	NA	NA	NA	1.5
-5.3	8.0	0.3	-81.6	NA	NA	NA	1.0
-5.3	8.0	0.2	-10.5	NA	NA	NA	0.5
-4.8	2.8	-0.4	176.3	NA	NA	NA	1.0
-5.3	5.1	0.9	-105.4	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.3	8.0	-6.0	44.5	NA	NA	NA	2.2
-4.3	8.0	-0.2	25.9	NA	NA	NA	1.4
NA	NA	-1.9	NA	NA	NA	NA	1.6
NA	NA	4.7	NA	NA	NA	NA	1.4
-5.4	7.9	-1.1	-14.8	-4.3	9.9	49.3	1.5
-5.9	1.5	-0.6	-18.6	-4.3	10.0	44.2	1.1
NA	NA	1.8	NA	NA	NA	NA	1.3
-4.7	1.3	-0.9	-55.4	NA	NA	NA	1.2
-5.9	4.7	-0.3	62.4	-4.5	1.2	-235.6	1.8
-5.7	4.0	2.2	53.3	-4.8	2.9	-23.2	1.4
-4.5	1.9	0.5	-108.2	NA	NA	NA	1.1
-4.5	4.9	-4.5	-64.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.3	4.2	0.5	37.3	NA	NA	NA	0.4
-4.5	8.0	-0.7	-77.3	NA	NA	NA	1.0
-4.2	8.0	-3.2	-81.8	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	6.7	0.9	68.4	NA	NA	NA	0.9
-4.8	1.0	0.9	-88.9	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.3	0.8	-0.3	-99.7	NA	NA	NA	1.2
-4.2	2.6	0.3	-37.1	NA	NA	NA	1.0
-4.0	0.7	-0.1	81.3	NA	NA	NA	1.0
-4.4	8.0	-2.5	-81.5	NA	NA	NA	2.2
-4.6	1.8	-2.0	-40.6	NA	NA	NA	1.0
-4.7	1.3	2.7	50.7	NA	NA	NA	1.3
-4.6	2.0	3.3	83.9	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.4
NA	NA	-3.2	NA	NA	NA	NA	0.9
-4.9	1.4	-8.0	36.1	NA	NA	NA	1.8
-4.6	1.4	-0.7	40.9	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	1.7
-7.8	5.3	-1.6	-14.3	NA	NA	NA	1.7
-7.9	1.4	1.2	64.6	-7.2	10.0	-13.7	1.1
-7.9	0.8	-5.9	68.0	-7.2	10.0	1.7	1.4
NA	NA	-0.4	NA	NA	NA	NA	1.8
-8.4	1.5	1.8	-13.2	NA	NA	NA	1.3
-5.5	4.5	12.1	93.2	-4.4	9.1	36.6	2.9
-7.6	0.5	-8.2	114.2	-7.0	10.0	53.1	2.8
NA	NA	1.1	NA	NA	NA	NA	1.6
-4.7	2.5	-1.7	-71.1	NA	NA	NA	1.0
-5.8	8.0	1.5	43.3	-5.2	10.0	-40.7	1.5
-5.8	8.0	2.4	40.7	-5.3	10.0	3.6	1.6
-4.4	8.0	-0.8	-27.7	NA	NA	NA	1.5
-5.0	1.5	-3.6	-65.1	-4.0	10.0	-35.2	1.5
-6.0	2.9	1.9	40.7	-4.8	10.0	-144.3	2.1
-5.9	0.9	0.0	59.6	-4.8	10.0	-21.5	1.4
-5.1	4.2	-1.6	-99.6	NA	NA	NA	1.6
-6.0	1.2	0.3	50.8	-4.9	2.5	-40.4	1.5
NA	NA	0.4	NA	NA	NA	NA	1.2
-6.0	1.7	-0.3	-20.5	-4.7	2.9	50.0	0.8
-5.2	3.1	0.8	-98.4	NA	NA	NA	2.0
-5.3	8.0	-0.4	-77.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.1	4.2	0.1	100.1	-4.7	3.1	76.4	0.4
-5.8	1.9	0.3	-97.5	NA	NA	NA	1.2
-4.2	4.4	-2.5	-85.7	NA	NA	NA	1.1
-5.6	4.0	-0.8	83.4	-4.9	10.0	11.1	1.0
-4.2	1.7	0.7	128.6	NA	NA	NA	0.9
-4.2	8.0	4.1	-134.2	NA	NA	NA	1.7
-5.2	5.6	1.0	-70.1	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.3
-5.0	4.4	0.1	18.2	NA	NA	NA	0.3
-4.9	8.0	-5.5	-99.2	NA	NA	NA	2.0
-4.4	8.0	2.0	-66.1	NA	NA	NA	1.4
-6.0	4.3	0.1	42.4	-5.2	9.6	-3.2	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	-0.5	93.3	NA	NA	NA	1.3
-4.4	8.0	3.4	-99.0	NA	NA	NA	2.1
-4.6	6.2	0.2	-51.6	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.1
-4.6	8.0	-0.4	42.1	NA	NA	NA	0.5
-4.5	2.2	2.6	-78.3	NA	NA	NA	1.4
-4.9	1.4	-1.8	-40.2	NA	NA	NA	1.4
-5.1	1.7	0.4	41.3	-4.6	10.0	-27.0	1.1
-5.1	1.9	0.6	49.7	-4.6	10.0	-11.1	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.5
-6.1	2.0	0.0	-21.8	NA	NA	NA	1.4
-6.0	1.5	1.9	99.0	-4.5	10.0	-152.6	1.9
-5.6	1.3	0.3	133.6	-4.7	10.0	-33.2	1.4
-4.2	2.3	-0.3	-125.5	NA	NA	NA	1.3
-4.2	8.0	2.0	-40.0	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.6
-4.2	8.0	-1.4	44.4	NA	NA	NA	0.9
-4.2	8.0	1.1	-139.1	NA	NA	NA	1.8
-4.5	2.1	0.3	-90.2	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	2.8	0.1	87.7	NA	NA	NA	0.4
-4.9	3.4	0.9	47.5	-4.4	10.0	-81.5	1.6
-4.4	1.8	-0.3	-79.9	NA	NA	NA	1.6
NA	NA	0.8	NA	NA	NA	NA	0.4
-4.6	1.8	0.3	89.3	NA	NA	NA	0.9
-5.0	2.1	-0.4	-92.8	NA	NA	NA	1.7
-4.9	8.0	1.8	-47.7	-4.6	10.0	-1.9	1.3
-4.9	6.5	0.5	163.6	-4.6	10.0	-12.3	1.0
-4.8	4.7	0.5	273.7	-4.6	9.8	-9.0	1.0
NA	NA	-0.8	NA	NA	NA	NA	2.1
-4.7	2.5	1.2	-21.2	NA	NA	NA	1.0
-4.7	7.1	2.1	56.0	-4.2	2.6	5.8	1.5
-4.7	7.9	0.8	53.9	-4.0	1.7	6.8	1.0
-5.1	4.4	-0.1	-24.6	NA	NA	NA	1.6
-4.4	2.0	0.1	-100.2	NA	NA	NA	1.0
-4.9	1.5	-5.1	35.9	-4.4	10.0	-8.2	1.6
-4.7	1.7	-1.8	73.1	NA	NA	NA	1.0
-4.4	6.8	-0.7	-84.9	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.3
-4.1	8.0	-2.3	-155.0	NA	NA	NA	1.9
-4.6	8.0	1.1	31.1	NA	NA	NA	1.0
-4.1	3.7	0.6	-87.3	NA	NA	NA	1.5
-4.2	7.6	0.4	-66.1	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.2	7.3	-0.3	55.1	NA	NA	NA	1.0
-4.2	8.0	-6.1	-110.4	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.3	6.3	-1.2	-84.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	6.5	0.2	146.9	NA	NA	NA	0.4
-4.3	3.7	-0.2	-115.3	NA	NA	NA	1.1
-4.2	7.2	0.4	-61.3	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.8	28.5	NA	NA	NA	0.5
-4.2	3.4	-3.0	-98.4	NA	NA	NA	1.9
-4.4	8.0	2.1	-72.3	NA	NA	NA	1.8
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.2	-0.3	37.7	NA	NA	NA	0.3
-4.2	8.0	-0.9	-120.2	NA	NA	NA	1.7
-4.5	2.3	-1.1	-86.4	NA	NA	NA	1.0
-5.3	3.5	-1.0	26.2	-4.5	10.0	-26.6	1.5
-5.0	2.1	-0.4	43.0	NA	NA	NA	1.2
-4.4	5.0	1.8	-95.3	NA	NA	NA	1.6
-4.2	5.6	-0.1	-68.3	NA	NA	NA	1.0
-4.4	2.3	-0.3	-18.1	NA	NA	NA	1.0
-4.2	7.1	-0.6	75.2	NA	NA	NA	1.0
-4.3	3.1	0.0	-110.8	NA	NA	NA	1.7
-4.3	7.5	-0.6	-84.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.5	0.0	126.3	NA	NA	NA	0.4
-4.2	5.9	0.4	-130.9	NA	NA	NA	1.0
-4.2	4.0	-0.5	-93.5	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.2	0.0	22.2	NA	NA	NA	0.3
-4.2	8.0	-1.2	-108.8	NA	NA	NA	1.3
-4.0	8.0	1.1	-70.9	NA	NA	NA	1.1
NA	NA	-0.9	NA	NA	NA	NA	0.8
-4.1	8.0	-0.4	33.2	NA	NA	NA	0.5
-4.2	8.0	0.1	-82.0	NA	NA	NA	2.1
-4.5	1.8	1.5	-44.5	NA	NA	NA	1.0
-5.1	2.1	-1.7	19.5	NA	NA	NA	1.3
-4.7	2.1	-1.6	38.2	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.1
-4.3	1.8	1.4	-92.9	NA	NA	NA	1.0
-4.4	8.0	2.0	-59.8	NA	NA	NA	2.2
-4.7	8.0	0.4	66.8	-4.2	1.8	9.8	1.0
-4.4	5.2	-0.6	-88.8	NA	NA	NA	1.3
-4.2	8.0	0.8	-82.6	NA	NA	NA	1.0
-4.5	0.9	-0.8	-13.4	NA	NA	NA	1.0
-4.1	8.0	-0.8	177.0	NA	NA	NA	1.0
-4.2	3.9	-1.2	-118.1	NA	NA	NA	1.3
-4.3	2.0	1.1	-117.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	5.9	0.3	222.9	NA	NA	NA	0.4
-4.7	8.0	1.9	-101.1	NA	NA	NA	0.9
-4.2	6.4	1.0	-101.5	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	7.1	-0.2	50.9	NA	NA	NA	0.3
-4.3	2.7	-2.7	-130.9	NA	NA	NA	2.0
-4.2	7.1	0.3	-92.3	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.1
-4.1	8.0	0.2	273.1	NA	NA	NA	1.0
-4.1	3.5	0.8	-140.9	NA	NA	NA	1.6
-6.9	8.0	1.3	-27.4	-4.8	9.5	-15.4	0.7
-6.9	8.0	-2.8	47.9	-4.8	9.8	17.0	1.3
-6.9	4.5	-2.0	51.5	-4.8	10.0	20.8	1.4
-6.7	2.8	-1.8	-43.7	NA	NA	NA	1.1
NA	NA	3.0	NA	NA	NA	NA	1.5
-4.5	2.2	3.2	68.9	NA	NA	NA	1.6
NA	NA	0.3	NA	NA	NA	NA	0.3
NA	NA	-6.8	NA	NA	NA	NA	2.0
NA	NA	-2.1	NA	NA	NA	NA	1.2
-6.4	3.0	-0.3	71.1	-4.3	9.3	51.0	1.3
-6.6	5.4	0.0	40.7	NA	NA	NA	1.2
-6.5	3.5	2.5	-47.7	NA	NA	NA	2.0
-5.0	3.2	2.2	-11.3	NA	NA	NA	1.1
-5.3	1.5	-2.0	29.3	NA	NA	NA	1.0
-4.7	1.2	-1.8	48.0	NA	NA	NA	1.0
-6.9	1.4	-1.1	-30.7	NA	NA	NA	2.0
-5.7	1.1	1.2	-17.2	NA	NA	NA	1.0
-4.4	1.8	0.1	14.6	NA	NA	NA	0.5
-4.5	0.8	-0.4	21.6	NA	NA	NA	0.4
-4.3	1.8	-1.1	-67.8	NA	NA	NA	1.5
-5.3	0.4	3.3	-28.6	NA	NA	NA	1.5
-5.3	3.2	0.5	60.1	-4.7	2.2	39.5	1.0
-5.1	1.9	0.1	81.8	-4.4	3.6	28.5	1.0
-6.4	2.2	-3.4	-43.3	NA	NA	NA	1.9
-6.3	1.7	1.1	-24.4	NA	NA	NA	1.0
-4.7	0.7	-0.4	56.1	NA	NA	NA	1.0
-5.6	0.8	-1.2	44.4	NA	NA	NA	1.0
-6.3	2.5	1.0	-46.9	NA	NA	NA	1.5
-4.4	7.3	1.3	-84.1	NA	NA	NA	1.0
-4.4	1.7	-0.4	-41.1	NA	NA	NA	1.0
-4.2	8.0	-1.0	50.7	NA	NA	NA	1.0
-4.4	8.0	0.5	-96.8	NA	NA	NA	1.0
-4.5	1.0	1.6	-88.1	NA	NA	NA	1.0
-5.4	1.6	-1.5	74.3	-4.6	3.4	-134.8	1.9
-5.2	4.2	-0.7	74.5	-4.8	9.7	-2.4	1.0
-4.5	8.0	1.8	-102.8	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	1.6	-87.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	8.0	-0.2	84.4	NA	NA	NA	0.4
-4.4	8.0	-1.5	-97.4	NA	NA	NA	1.3
-4.2	8.0	1.9	-65.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.3	54.9	NA	NA	NA	0.5
-4.5	4.8	3.7	-98.0	NA	NA	NA	1.7
-4.2	7.0	0.1	-98.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	24.5	NA	NA	NA	0.3
-4.2	8.0	0.0	-127.6	NA	NA	NA	1.6
-4.2	2.3	-1.2	-114.0	NA	NA	NA	1.1
-4.1	5.6	-0.4	-30.2	NA	NA	NA	1.0
-4.0	1.1	-0.3	58.3	NA	NA	NA	1.0
-4.3	3.6	-6.0	-113.2	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.6	1.4	1.0	49.1	-3.9	10.0	9.5	1.6
-4.5	2.8	1.0	29.3	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.8	2.8	-2.3	58.9	NA	NA	NA	1.2
-4.7	2.8	-1.6	45.1	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	1.6
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.1	8.0	4.1	58.2	NA	NA	NA	1.9
-4.1	4.6	2.5	35.8	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.8
NA	NA	-5.1	NA	NA	NA	NA	1.2
-4.5	8.0	3.5	53.9	NA	NA	NA	1.9
-4.5	3.4	5.2	59.8	NA	NA	NA	1.9
NA	NA	-0.8	NA	NA	NA	NA	1.4
-5.3	0.8	1.7	-88.9	NA	NA	NA	1.6
-6.2	8.0	0.2	37.1	-5.6	3.5	-29.1	1.0
-4.7	6.7	1.4	79.0	NA	NA	NA	1.9
-5.4	1.4	2.3	-99.0	NA	NA	NA	1.5
-6.0	0.7	0.6	-62.9	NA	NA	NA	1.2
-7.4	8.0	1.0	64.4	-5.9	0.8	-63.9	2.6
-7.4	7.4	-0.4	41.3	-5.9	4.3	13.3	2.0
-6.6	1.2	-1.0	-96.8	NA	NA	NA	1.6
-6.4	1.1	-1.1	55.8	-4.6	1.5	-83.6	1.3
-6.0	0.6	0.3	-11.4	NA	NA	NA	1.0
-6.7	2.0	0.1	-18.6	-4.4	2.9	65.5	0.5
-5.1	0.5	2.3	-114.2	NA	NA	NA	1.9
-5.4	1.4	1.3	-89.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.4	-0.1	198.5	NA	NA	NA	0.4
-5.6	1.8	1.6	-92.3	NA	NA	NA	1.8
-4.8	2.6	-1.1	-73.9	NA	NA	NA	1.1
-6.4	2.3	0.0	57.1	-6.0	9.9	24.8	1.0
-4.4	1.5	3.7	277.6	NA	NA	NA	1.9
-4.8	0.5	5.3	-133.3	NA	NA	NA	2.2
-4.7	0.7	0.8	-105.0	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	2.0	1.1	49.5	NA	NA	NA	0.4
-4.8	0.6	3.2	-129.3	NA	NA	NA	2.2
-4.9	0.5	1.4	-113.5	NA	NA	NA	1.0
-5.6	1.1	0.6	-17.7	-4.0	10.0	-3.5	0.5
-4.0	0.6	0.3	131.2	NA	NA	NA	1.0
-5.5	0.7	3.6	-104.5	NA	NA	NA	1.5
-4.5	3.3	0.3	-28.5	NA	NA	NA	0.6
-4.6	8.0	2.4	65.3	NA	NA	NA	1.4
-4.5	2.5	1.9	91.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.6	1.2	-0.2	-26.2	NA	NA	NA	1.0
-5.7	2.4	-0.9	10.5	NA	NA	NA	1.8
-5.2	4.1	0.2	21.3	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.9	1.9	-0.1	-21.1	NA	NA	NA	1.0
-5.2	5.9	1.8	18.1	NA	NA	NA	1.4
-4.8	1.2	0.7	39.6	-4.1	10.0	-1.9	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.5
-4.2	7.0	0.3	-61.2	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.4	0.1	65.9	NA	NA	NA	0.9
-4.3	7.7	1.4	-85.5	NA	NA	NA	1.7
-4.1	4.1	0.5	-83.1	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.6
-4.1	5.8	0.4	48.8	NA	NA	NA	0.5
-4.1	6.7	3.3	-90.8	NA	NA	NA	2.0
-4.6	8.0	2.1	-82.3	NA	NA	NA	1.0
-4.7	2.9	-0.7	-35.3	NA	NA	NA	1.0
-4.5	8.0	-0.9	26.2	NA	NA	NA	1.0
-4.6	8.0	1.9	-91.6	NA	NA	NA	1.4
-6.8	8.0	5.1	22.2	-4.5	1.2	-34.4	1.4
-4.1	8.0	-14.8	-201.7	NA	NA	NA	2.6
-4.8	8.0	-15.5	9.5	-4.3	9.8	-46.4	2.0
-4.2	2.3	-1.0	-124.9	NA	NA	NA	1.6
-4.5	8.0	1.3	-83.6	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.4	5.9	0.0	72.6	NA	NA	NA	0.4
-4.5	8.0	3.5	-100.8	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.1	1.5	-93.7	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	4.1	0.1	83.3	NA	NA	NA	0.5
-4.5	1.7	4.0	-106.1	NA	NA	NA	1.5
-4.3	1.5	-0.6	-103.9	NA	NA	NA	1.0
-4.5	2.0	1.5	-34.3	NA	NA	NA	1.0
-4.2	4.0	2.0	79.7	NA	NA	NA	1.0
-4.3	1.8	4.1	-132.0	NA	NA	NA	1.8
-4.6	3.0	-0.5	-24.4	NA	NA	NA	1.0
-4.5	4.2	-0.1	69.6	NA	NA	NA	1.4
-4.5	3.5	0.7	74.3	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	0.6
-5.1	3.4	1.8	28.1	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	0.7
NA	NA	0.4	NA	NA	NA	NA	1.5
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.9	1.6	-0.1	36.7	NA	NA	NA	1.0
-4.8	1.3	0.0	39.8	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	1.8
-5.0	2.1	2.2	-85.8	NA	NA	NA	0.9
-4.6	2.7	-0.7	-34.7	NA	NA	NA	1.0
-4.7	8.0	-0.9	45.1	NA	NA	NA	1.0
-4.5	8.0	-0.5	-87.4	NA	NA	NA	1.1
-4.5	2.0	-0.3	-70.1	NA	NA	NA	1.1
-4.5	3.6	0.0	-27.0	NA	NA	NA	1.0
-4.4	1.8	0.3	67.0	NA	NA	NA	1.0
-4.2	3.5	0.1	-102.2	NA	NA	NA	1.8
-4.6	6.2	-0.1	-86.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.5	3.4	0.1	122.5	NA	NA	NA	0.4
-4.3	2.3	1.7	-129.6	NA	NA	NA	1.0
-4.3	2.3	1.8	-108.5	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.3
-4.3	2.7	-0.2	175.7	NA	NA	NA	0.9
-4.4	8.0	-0.3	-67.4	NA	NA	NA	1.8
-4.6	1.7	1.3	-84.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	2.1	-0.1	20.1	NA	NA	NA	0.3
-4.3	8.0	2.9	-96.6	NA	NA	NA	1.7
-4.4	3.0	-0.2	-88.6	NA	NA	NA	1.0
-5.3	8.0	-0.3	19.5	-4.2	10.0	-13.3	1.0
-4.2	2.4	0.2	215.1	NA	NA	NA	1.0
-4.3	2.8	-0.5	-110.2	NA	NA	NA	1.6
-4.7	1.9	0.8	-91.6	NA	NA	NA	1.2
-4.8	4.3	-1.3	-45.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	-1.2	27.0	NA	NA	NA	1.3
-4.4	8.0	-0.4	-89.1	NA	NA	NA	1.7
-4.3	2.1	-1.1	-83.4	NA	NA	NA	1.1
-4.3	1.8	-0.9	-36.2	NA	NA	NA	1.0
-4.2	3.6	0.6	79.8	NA	NA	NA	1.0
-4.2	4.4	-0.5	-112.8	NA	NA	NA	2.2
-4.4	2.3	1.0	-102.2	NA	NA	NA	1.0
-4.9	8.0	0.2	33.0	-4.6	6.7	-4.4	0.5
-4.4	1.7	-0.2	126.5	NA	NA	NA	0.4
-4.3	2.7	0.5	-123.4	NA	NA	NA	1.2
-4.8	2.2	-1.4	-81.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.5	2.2	0.3	139.2	NA	NA	NA	0.9
-4.9	3.5	-2.6	-64.4	NA	NA	NA	1.7
-4.5	1.2	-1.8	-93.9	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.2	1.7	0.1	23.0	NA	NA	NA	0.3
-4.2	8.0	-1.1	-106.7	NA	NA	NA	1.1
-4.3	1.7	0.5	-108.3	NA	NA	NA	1.0
-5.4	5.1	-0.9	29.0	-4.6	1.9	-14.5	1.0
-4.0	1.1	-0.1	170.7	NA	NA	NA	1.0
-4.3	3.1	4.4	-115.4	NA	NA	NA	1.5
-4.7	1.9	0.8	-39.2	NA	NA	NA	1.0
-5.6	4.6	1.0	28.3	NA	NA	NA	1.7
-5.1	1.3	-0.3	41.8	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.5
-4.9	7.8	0.1	-81.6	NA	NA	NA	1.0
-4.9	7.1	1.3	-16.3	NA	NA	NA	1.0
-4.5	3.5	0.2	179.5	NA	NA	NA	1.0
-4.9	8.0	0.4	-104.4	NA	NA	NA	1.2
-5.3	1.0	-1.1	-13.3	NA	NA	NA	0.7
-4.5	0.8	-3.9	90.0	NA	NA	NA	1.8
-4.5	1.0	-0.3	75.3	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.9
-6.2	2.0	0.1	37.4	NA	NA	NA	1.0
-6.2	2.1	-0.1	29.1	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.4
-4.4	4.9	0.9	-27.0	NA	NA	NA	0.7
-4.8	3.6	1.0	41.0	NA	NA	NA	1.6
-4.6	1.6	-0.4	62.2	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.1
-4.7	1.0	-0.3	-14.9	NA	NA	NA	1.0
-4.7	1.5	-1.5	74.9	-4.0	10.0	15.0	1.6
-4.8	1.6	-0.9	52.5	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.6	5.4	-1.2	-85.8	NA	NA	NA	1.0
-4.5	8.0	-1.7	-43.4	NA	NA	NA	1.1
-4.7	8.0	-0.7	69.6	NA	NA	NA	1.0
-4.5	5.0	-0.7	-122.3	NA	NA	NA	1.1
-4.5	4.4	-0.8	-66.2	NA	NA	NA	1.0
-4.9	1.2	-1.0	97.0	-4.7	6.5	-81.0	1.5
-4.9	2.5	1.5	78.4	-4.4	10.0	13.9	1.0
-4.4	3.3	0.0	-131.2	NA	NA	NA	1.0
-4.5	8.0	1.3	-102.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	6.8	0.0	131.8	NA	NA	NA	0.4
-4.8	2.1	0.9	-112.4	NA	NA	NA	1.0
-4.4	5.4	1.6	-111.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.4	5.6	-0.1	163.3	NA	NA	NA	0.5
-4.6	4.9	-1.3	-101.6	NA	NA	NA	1.8
-4.5	8.0	0.7	-84.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	8.0	0.0	32.9	NA	NA	NA	0.3
-4.5	5.1	0.7	-116.4	NA	NA	NA	1.0
-4.5	4.5	-1.0	-97.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.3	4.4	0.7	206.1	NA	NA	NA	0.5
-4.6	4.0	-3.2	-108.9	NA	NA	NA	1.4
-5.4	1.6	-0.1	-13.2	NA	NA	NA	1.0
-5.1	0.7	-2.6	64.9	NA	NA	NA	1.7
-5.4	1.2	-0.7	45.3	NA	NA	NA	1.3
NA	NA	-5.1	NA	NA	NA	NA	1.8
-4.2	2.1	1.6	-43.9	NA	NA	NA	1.0
-4.6	8.0	0.5	17.2	NA	NA	NA	1.0
-4.4	2.9	-0.5	58.0	NA	NA	NA	1.0
NA	NA	5.6	NA	NA	NA	NA	2.2
-6.0	7.9	-2.7	-14.7	NA	NA	NA	1.5
-6.2	3.7	-5.8	74.3	-4.4	3.6	46.3	1.9
-6.0	2.1	0.4	57.5	-4.0	2.3	12.2	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.5
-4.8	0.9	2.8	-19.4	NA	NA	NA	1.0
-4.8	1.5	1.8	46.6	-4.2	6.0	10.2	1.0
-5.1	1.5	0.0	31.7	-4.0	3.7	-4.7	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.9
-4.7	3.5	2.4	-22.9	NA	NA	NA	1.0
-4.6	2.6	0.4	75.7	NA	NA	NA	1.0
-4.6	3.2	-0.6	75.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.2
-5.4	4.0	0.8	-17.2	-4.4	4.3	18.9	0.6
-5.1	0.9	-1.0	150.6	-4.3	10.0	-53.1	2.3

ga	gw	zr	tp	la	lw	bt	er
-5.1	1.2	0.6	109.4	-4.4	10.0	-8.5	1.6
-5.0	7.4	-6.3	17.7	NA	NA	NA	1.9
-5.2	6.2	0.5	-43.1	-4.5	4.3	-7.2	0.8
-5.1	8.0	-0.1	16.6	-4.6	2.9	-5.0	1.0
-5.1	5.4	0.1	51.0	-4.5	9.1	5.5	1.0
-5.1	7.3	0.6	-48.8	-4.5	10.0	8.9	1.7
-5.0	5.8	0.7	-69.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.5
-4.9	5.0	0.3	76.7	NA	NA	NA	1.0
-5.0	5.7	1.3	-103.5	NA	NA	NA	1.2
-4.6	1.5	-1.7	-17.2	NA	NA	NA	1.0
-5.3	5.5	2.8	52.8	-4.7	1.9	6.2	1.6
-5.5	2.3	3.3	28.9	NA	NA	NA	1.3
NA	NA	-1.2	NA	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	1.7
-5.6	1.6	-0.8	37.8	-4.2	3.8	9.8	1.9
-5.3	2.2	0.3	36.2	-4.0	1.9	0.6	1.3
NA	NA	-0.3	NA	NA	NA	NA	1.7
-5.2	1.8	-1.1	-72.6	NA	NA	NA	1.2
-4.7	4.5	-1.0	-26.1	NA	NA	NA	1.2
-5.4	2.5	-0.9	62.1	-4.8	5.7	23.8	1.1
-4.8	6.2	-0.3	-87.5	NA	NA	NA	1.9
-4.2	4.9	0.2	-73.9	NA	NA	NA	1.4
-4.2	8.0	-1.0	-16.2	NA	NA	NA	1.0
-4.2	5.4	-0.5	67.8	NA	NA	NA	1.0
-4.3	2.1	-3.8	-112.0	NA	NA	NA	1.9
-4.9	4.6	0.1	-74.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.7	3.4	-0.5	63.4	NA	NA	NA	0.4
-4.6	4.1	-3.3	-96.8	NA	NA	NA	1.8
-4.4	1.4	-1.5	-92.7	NA	NA	NA	1.0
-5.5	1.6	-0.4	9.5	-4.1	9.8	-24.2	1.0
-4.1	1.2	0.9	149.2	NA	NA	NA	0.9
-4.3	1.9	-1.0	-130.3	NA	NA	NA	1.6
-4.4	1.8	-0.3	-82.9	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	3.5	0.0	20.4	NA	NA	NA	0.3
-4.3	2.9	-0.2	-118.5	NA	NA	NA	1.0
-4.4	1.3	-0.8	-98.6	NA	NA	NA	1.0
-4.2	3.7	0.3	-27.8	NA	NA	NA	1.0
-4.3	0.8	-0.5	43.6	NA	NA	NA	1.0
-4.3	1.5	8.7	-123.5	NA	NA	NA	1.8
-5.2	1.8	-0.2	-76.2	NA	NA	NA	0.9
-6.0	6.2	1.1	31.9	-5.1	10.0	-34.7	1.0
-5.6	1.2	-0.1	57.7	-5.0	10.0	28.1	1.4
-5.1	4.2	-0.3	-113.4	-4.4	0.7	-86.7	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.9	NA	NA	NA	NA	1.3
-5.7	3.3	-0.5	52.2	-5.0	2.7	-16.3	1.8
-5.8	8.0	-0.6	12.7	-4.8	2.3	-7.1	1.0
-4.4	1.7	-1.7	-109.9	NA	NA	NA	1.5
-4.5	4.5	2.6	-51.1	NA	NA	NA	1.2
-4.4	1.7	1.0	-18.8	NA	NA	NA	1.0
-4.4	4.3	-1.1	37.3	NA	NA	NA	1.0
-4.6	1.2	0.7	-109.2	NA	NA	NA	1.7
-5.1	5.6	-0.7	-76.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-5.0	4.0	0.0	79.7	NA	NA	NA	0.4
-5.2	5.6	-3.2	-93.8	NA	NA	NA	1.5
-4.5	1.2	0.1	-91.6	NA	NA	NA	1.5
-6.1	3.3	-0.6	6.5	-4.0	9.6	-30.3	1.0
-4.5	1.2	-0.1	75.9	NA	NA	NA	0.9
-4.5	1.2	-5.2	-125.0	NA	NA	NA	1.7
-4.6	1.7	-0.3	-73.4	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	1.7	0.0	21.8	NA	NA	NA	0.3
-4.7	2.8	-0.4	-99.8	NA	NA	NA	1.0
-4.9	2.2	0.2	-72.1	NA	NA	NA	1.0
-4.6	2.9	0.1	-20.0	NA	NA	NA	1.0
-4.6	1.3	-1.1	116.6	NA	NA	NA	1.0
-4.9	2.0	-0.8	-96.9	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.1	8.0	0.7	51.7	NA	NA	NA	1.4
-4.1	6.1	-0.8	27.2	NA	NA	NA	1.1
NA	NA	-1.9	NA	NA	NA	NA	1.1
NA	NA	-2.1	NA	NA	NA	NA	1.2
-5.3	2.4	-3.1	94.0	-4.5	1.3	36.6	1.7
-5.0	1.6	-0.8	77.3	-4.1	2.7	39.7	1.0
NA	NA	-3.1	NA	NA	NA	NA	2.5
-4.8	1.0	-1.8	-32.0	NA	NA	NA	1.0
-4.7	1.3	1.6	94.7	NA	NA	NA	1.3
-4.7	1.5	1.4	107.9	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.1
NA	NA	7.8	NA	NA	NA	NA	1.6
-4.5	2.0	-14.1	82.9	NA	NA	NA	2.1
NA	NA	-10.4	NA	NA	NA	NA	2.0
NA	NA	2.8	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.8	1.6	-1.8	42.0	NA	NA	NA	1.3
-4.8	1.3	-0.7	30.4	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.8
-4.2	3.9	-2.2	-43.1	NA	NA	NA	1.0
-4.6	8.0	-1.8	12.5	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	-0.1	35.8	NA	NA	NA	0.5
NA	NA	-1.2	NA	NA	NA	NA	2.1
NA	NA	0.0	NA	NA	NA	NA	0.6
-4.5	6.0	-1.4	52.5	NA	NA	NA	1.0
-4.5	6.0	-0.6	37.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.3	2.1	-1.2	-44.5	NA	NA	NA	1.0
-4.8	8.0	-1.1	58.8	-4.4	2.7	6.6	1.0
-4.7	6.2	0.0	58.8	-4.5	9.9	7.8	1.0
NA	NA	-4.0	NA	NA	NA	NA	1.8
-4.7	1.1	0.6	-44.1	NA	NA	NA	1.3
-5.4	4.6	0.9	54.5	-4.9	2.8	-29.6	1.2
-5.4	2.5	0.9	54.0	-4.8	8.6	1.5	1.4
-4.3	8.0	2.0	-44.7	NA	NA	NA	1.1
-5.1	1.2	-1.0	-51.5	NA	NA	NA	1.1
-4.6	3.4	0.7	-137.6	NA	NA	NA	2.2
-5.7	1.6	1.8	45.7	-4.8	2.3	-31.1	1.7
-4.8	3.5	1.5	-89.1	NA	NA	NA	1.9
-4.2	8.0	0.1	-34.3	NA	NA	NA	1.0
-5.0	2.2	-0.2	26.5	NA	NA	NA	1.0
-4.2	1.0	-0.3	64.5	NA	NA	NA	1.0
-4.4	1.0	-2.7	-70.7	NA	NA	NA	2.4
-4.9	2.3	1.8	-66.5	NA	NA	NA	1.0
-5.4	1.6	-0.1	5.0	-4.0	10.0	-25.0	0.5
-4.8	3.3	-0.2	44.3	NA	NA	NA	0.4
-4.9	1.5	0.1	-46.6	NA	NA	NA	1.1
-5.0	2.9	-1.3	-36.1	NA	NA	NA	1.0
-5.3	2.0	-0.6	34.8	NA	NA	NA	1.0
-5.0	2.0	0.4	66.7	NA	NA	NA	0.9
NA	NA	-12.3	NA	NA	NA	NA	2.1
-4.4	1.8	-1.3	-65.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	1.6	0.0	19.0	NA	NA	NA	0.3
NA	NA	-3.1	NA	NA	NA	NA	2.0
-4.9	1.8	-0.5	-19.6	NA	NA	NA	1.0
-5.1	2.0	-0.4	31.2	-4.4	9.6	11.2	1.0
-5.1	2.4	0.2	26.3	-3.9	10.0	-6.6	1.0
-4.6	2.5	0.4	-73.3	NA	NA	NA	1.5
-4.4	0.9	1.8	-77.1	NA	NA	NA	1.0
-5.5	2.3	-0.8	42.4	-4.9	4.4	-24.7	1.0
-5.4	2.0	-1.1	37.6	-4.9	9.4	-3.8	1.0
-4.2	8.0	2.3	-84.8	NA	NA	NA	1.5
-5.3	1.8	0.4	-24.7	-4.3	4.9	8.7	0.8
-5.4	1.4	0.0	31.4	-4.8	3.9	-32.9	1.7
-5.5	1.3	-0.9	38.7	-4.6	3.0	-22.0	1.4
NA	NA	-3.5	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.2	5.1	1.5	-39.1	NA	NA	NA	1.0
-5.4	1.7	0.3	20.4	NA	NA	NA	1.0
-4.4	1.3	-0.4	52.9	NA	NA	NA	1.0
-4.6	2.2	-0.2	-70.6	NA	NA	NA	1.9
-4.6	1.6	0.9	-86.8	NA	NA	NA	1.0
-5.2	1.7	-0.1	8.5	-4.0	9.9	-34.1	0.5
-4.4	1.7	-0.1	90.6	NA	NA	NA	0.4
-4.3	2.3	-2.8	-97.2	NA	NA	NA	1.5
-4.4	1.8	1.5	-60.0	NA	NA	NA	1.1
-4.8	1.2	-0.4	42.0	NA	NA	NA	1.0
-4.5	1.2	-0.4	73.1	NA	NA	NA	0.9
-4.2	3.5	-7.1	-83.0	NA	NA	NA	1.8
-4.5	1.4	-0.7	-60.5	NA	NA	NA	1.2
-5.0	1.4	-0.2	11.2	-3.9	2.7	-14.6	0.5
-4.7	1.2	-0.1	17.8	NA	NA	NA	0.3
NA	NA	-1.3	NA	NA	NA	NA	1.6
-4.3	1.8	-1.3	-79.7	NA	NA	NA	1.0
-5.5	2.0	-1.1	20.9	-4.4	10.0	-4.8	1.0
-4.6	1.0	-0.7	68.5	NA	NA	NA	1.0
-4.6	1.7	3.3	-103.2	NA	NA	NA	1.5
-4.2	2.1	-0.5	-26.1	NA	NA	NA	0.5
-4.7	0.7	-5.0	70.1	NA	NA	NA	1.6
-4.3	0.9	-0.3	84.0	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.2
-4.3	3.0	0.8	-37.2	NA	NA	NA	1.0
-4.7	2.1	1.2	18.6	NA	NA	NA	1.0
-4.4	3.6	0.4	37.3	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.8
-4.3	2.3	0.4	-82.0	NA	NA	NA	1.0
-5.1	8.0	0.1	25.3	-4.5	6.4	-24.2	1.0
-5.0	8.0	-0.5	23.4	-4.7	10.0	10.1	1.0
-4.3	2.8	0.4	-105.7	NA	NA	NA	1.0
-4.1	6.9	-0.3	-56.9	NA	NA	NA	1.0
-4.1	8.0	3.5	-118.4	NA	NA	NA	1.2
-4.1	3.1	1.7	35.4	NA	NA	NA	1.0
-4.1	4.5	0.8	-84.6	NA	NA	NA	1.0
-4.6	2.6	1.6	-56.0	NA	NA	NA	1.0
-4.9	8.0	1.0	19.5	-4.4	10.0	-34.6	1.0
-4.7	3.2	0.2	43.4	-4.4	10.0	0.9	1.0
-4.6	8.0	0.5	-93.5	NA	NA	NA	1.7
-4.3	3.4	0.9	-98.6	NA	NA	NA	1.0
-4.2	8.0	1.3	-35.9	NA	NA	NA	1.0
-4.5	4.1	0.6	49.9	NA	NA	NA	1.0
-4.3	2.2	2.2	-113.1	NA	NA	NA	1.3
-7.1	0.9	4.0	-19.0	-5.3	3.6	4.7	1.3
-7.7	3.0	4.2	90.8	-4.7	3.0	-104.8	2.8

ga	gw	zr	tp	la	lw	bt	er
-7.5	4.1	0.9	66.6	-4.8	2.5	-32.6	2.0
-4.4	1.0	-0.6	-97.6	NA	NA	NA	1.7
-4.2	5.5	1.0	-100.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	5.4	0.1	50.9	NA	NA	NA	0.4
-4.4	8.0	4.6	-91.3	NA	NA	NA	1.7
-4.2	5.0	0.8	-47.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	5.2	0.7	31.9	NA	NA	NA	0.5
-4.3	3.0	-3.0	-68.9	NA	NA	NA	1.8
-4.5	2.2	-1.1	-86.7	NA	NA	NA	1.2
-5.0	3.2	0.0	32.7	-4.6	9.5	-34.4	1.7
NA	NA	0.8	NA	NA	NA	NA	0.8
-4.4	8.0	-1.3	-83.2	NA	NA	NA	1.5
-4.4	1.0	0.5	-69.9	NA	NA	NA	1.2
-5.5	1.9	1.6	48.8	-4.4	10.0	-143.7	1.8
-5.2	1.4	1.7	55.4	-4.5	10.0	-5.2	1.2
-4.4	3.1	4.1	-105.0	NA	NA	NA	1.5
-4.2	8.0	0.8	-68.0	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.6
-4.1	7.2	-0.6	31.3	NA	NA	NA	1.0
-4.4	7.9	0.8	-87.6	NA	NA	NA	2.0
-4.8	5.5	-1.4	-78.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	4.5	0.4	82.3	NA	NA	NA	0.4
-4.8	7.1	1.3	-101.5	NA	NA	NA	1.4
-4.5	4.5	-1.7	-58.8	NA	NA	NA	1.1
-4.6	3.6	-0.3	33.2	-4.1	9.9	-7.1	1.0
-4.5	3.6	0.6	83.4	NA	NA	NA	0.9
-4.3	2.3	0.5	-73.7	NA	NA	NA	1.8
-4.6	4.0	2.6	-72.1	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.0	-0.1	30.6	NA	NA	NA	0.3
-4.5	7.9	1.3	-94.6	NA	NA	NA	1.5
-4.2	4.6	1.4	-90.3	NA	NA	NA	1.0
-4.1	8.0	1.0	-24.4	NA	NA	NA	1.0
-4.1	3.9	-0.1	100.8	NA	NA	NA	1.0
-4.3	8.0	2.3	-90.2	NA	NA	NA	1.8
-5.0	8.0	1.0	-13.3	NA	NA	NA	1.1
-5.0	3.7	-1.8	76.5	-4.1	10.0	23.3	1.4
-4.5	2.4	-2.6	93.3	-4.2	10.0	19.5	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
-4.7	1.6	0.0	-25.1	NA	NA	NA	1.0
-4.7	1.2	-0.9	73.1	NA	NA	NA	2.0
-4.6	1.4	0.0	86.3	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.4	0.3	-29.7	NA	NA	NA	1.0
-4.8	2.2	-1.3	70.2	NA	NA	NA	1.6
-4.7	1.8	-0.7	89.3	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.9
-4.6	1.1	0.2	-27.5	NA	NA	NA	1.1
-4.8	1.4	-0.3	50.1	NA	NA	NA	1.9
-4.5	1.5	0.1	87.9	NA	NA	NA	1.3
NA	NA	1.3	NA	NA	NA	NA	1.4
-4.6	2.3	0.8	-33.5	NA	NA	NA	1.0
-4.8	1.6	0.3	51.7	NA	NA	NA	1.0
-4.7	1.7	0.3	66.0	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.2
-4.7	1.5	2.3	370.9	NA	NA	NA	1.4
-4.6	2.0	-0.6	54.9	NA	NA	NA	1.0
-5.1	1.1	-2.1	-43.0	NA	NA	NA	1.0
-5.5	1.8	-2.4	-36.4	NA	NA	NA	1.7
-4.5	8.0	-4.3	51.0	NA	NA	NA	1.6
-6.2	0.9	-1.2	125.3	-4.7	10.0	25.0	1.4
-5.8	0.6	-3.1	141.3	-4.7	10.0	15.9	1.7
-5.3	1.5	-2.4	-63.8	NA	NA	NA	1.7
-4.7	4.3	0.6	-37.8	NA	NA	NA	1.0
-4.7	1.6	-0.4	59.1	NA	NA	NA	1.4
-4.6	2.1	0.0	77.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.6
-5.8	1.4	4.1	88.5	-4.4	2.0	-241.0	2.0
-5.6	2.2	0.8	67.9	-4.7	10.0	-41.1	1.2
-4.3	6.3	-1.8	-93.8	NA	NA	NA	1.2
-5.0	3.9	0.5	-81.6	NA	NA	NA	1.3
-4.9	8.0	0.7	-29.4	NA	NA	NA	1.1
-4.8	1.6	-0.2	74.2	NA	NA	NA	1.3
-5.0	1.7	0.8	-102.2	NA	NA	NA	1.2
-4.3	3.8	2.0	-68.7	NA	NA	NA	1.0
-4.9	8.0	-1.1	27.5	-4.3	3.2	-138.2	1.5
NA	NA	0.6	NA	NA	NA	NA	1.3
-4.5	2.4	-0.4	-102.2	NA	NA	NA	1.5
-4.6	3.9	0.9	-74.4	NA	NA	NA	1.1
-4.8	8.0	0.3	-14.2	NA	NA	NA	1.0
-4.4	3.9	0.2	156.6	NA	NA	NA	1.0
-4.7	0.8	-3.8	-108.5	NA	NA	NA	2.3
-5.0	7.8	-0.8	-86.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.6	3.2	0.2	206.6	NA	NA	NA	0.4
-5.1	8.0	1.7	-102.9	NA	NA	NA	1.0
-4.5	8.0	0.0	-84.7	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	6.6	0.5	229.2	NA	NA	NA	0.9
-4.8	3.1	-0.1	-93.4	NA	NA	NA	1.4
-4.7	7.3	-0.7	-76.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	5.1	0.1	29.4	NA	NA	NA	0.3
-4.7	6.6	-0.1	-96.0	NA	NA	NA	1.3
-4.7	8.0	0.2	-84.1	NA	NA	NA	1.0
-5.4	1.9	-0.2	24.0	-4.7	9.1	-16.6	1.0
-4.4	2.0	0.2	324.9	NA	NA	NA	1.0
-4.7	2.9	-0.9	-102.3	NA	NA	NA	1.7
-5.0	4.4	-0.9	-81.4	NA	NA	NA	1.1
-5.0	8.0	2.7	-31.3	NA	NA	NA	1.5
-4.3	1.1	1.7	118.3	NA	NA	NA	1.6
-5.0	4.6	0.4	-96.5	NA	NA	NA	1.3
-4.3	8.0	4.2	-64.0	NA	NA	NA	1.4
-4.9	2.0	-0.2	37.6	-4.3	10.0	-62.0	1.7
-4.6	6.2	-2.3	57.9	-4.1	7.2	23.0	1.0
-4.4	1.2	-2.1	-133.1	NA	NA	NA	2.0
-4.6	2.4	1.2	-76.6	NA	NA	NA	1.3
-4.7	5.0	0.0	-23.1	NA	NA	NA	1.0
-4.3	2.9	-0.4	168.6	NA	NA	NA	1.0
-4.9	0.9	1.6	-113.9	NA	NA	NA	2.5
-5.0	8.0	-0.9	-85.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.3	2.1	0.2	243.7	NA	NA	NA	0.4
-5.1	5.3	0.9	-103.4	NA	NA	NA	1.0
-4.6	3.5	0.0	-83.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.4	3.7	0.0	179.4	NA	NA	NA	0.9
-5.0	1.3	-9.1	-96.1	NA	NA	NA	2.2
-4.9	7.9	-1.7	-77.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	5.0	0.1	29.6	NA	NA	NA	0.3
-5.0	3.5	-1.1	-96.8	NA	NA	NA	1.0
-4.7	8.0	1.5	-82.0	NA	NA	NA	1.2
-4.8	8.0	1.0	-13.5	NA	NA	NA	1.0
-4.4	3.4	0.2	248.1	NA	NA	NA	1.0
-4.9	1.4	-3.5	-107.1	NA	NA	NA	1.7
-6.1	7.4	-0.5	-10.0	NA	NA	NA	0.9
-5.4	0.8	3.5	76.1	-4.7	6.0	40.2	2.0
-5.9	1.2	1.0	41.1	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.4
-7.0	1.1	-1.4	-11.2	NA	NA	NA	0.8
-6.2	0.7	-1.0	27.8	NA	NA	NA	2.1
-6.4	0.7	0.8	43.5	NA	NA	NA	1.2
NA	NA	2.8	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.6	NA	NA	NA	NA	0.9
-5.8	1.5	0.3	31.0	-4.2	3.3	3.0	1.8
-5.7	1.3	-2.2	17.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	1.0
-5.4	0.7	0.8	44.6	-4.6	10.0	25.6	1.5
-5.6	0.7	0.0	22.3	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	1.3
NA	NA	-2.1	NA	NA	NA	NA	1.2
-5.3	1.7	-2.9	98.4	-4.6	10.0	1.1	1.8
-5.2	1.2	-0.7	75.6	-4.6	10.0	6.7	1.3
-4.7	8.0	2.1	-32.1	NA	NA	NA	1.4
NA	NA	-1.4	NA	NA	NA	NA	0.6
-5.0	2.2	0.6	72.3	-4.6	10.0	3.5	1.8
-4.9	2.5	0.7	62.9	-4.5	9.9	4.7	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
-4.5	6.7	0.5	-25.5	NA	NA	NA	1.0
-4.5	8.0	0.1	40.7	NA	NA	NA	1.0
-4.4	8.0	0.1	49.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.7
NA	NA	1.5	NA	NA	NA	NA	1.0
-5.2	3.5	-2.6	47.4	-4.4	2.4	-80.0	1.6
-5.1	8.0	-0.9	38.5	-4.4	3.2	-46.4	1.0
-4.6	1.8	2.0	-58.6	NA	NA	NA	1.4
-5.2	1.8	1.1	-7.5	NA	NA	NA	1.0
-5.0	3.3	0.4	60.7	NA	NA	NA	1.0
-5.0	2.9	-0.3	47.1	-3.7	9.6	26.7	0.9
NA	NA	1.7	NA	NA	NA	NA	1.5
-4.3	1.7	-0.4	-50.7	NA	NA	NA	1.0
-4.8	6.1	-0.8	19.4	-4.1	3.2	-3.3	1.0
-4.8	4.3	0.1	26.7	NA	NA	NA	1.0
NA	NA	-5.7	NA	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.2	8.0	0.1	109.7	NA	NA	NA	0.5
-4.2	5.5	-0.1	46.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.4	6.6	0.3	52.3	NA	NA	NA	1.0
-4.4	3.9	0.0	38.1	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.7
NA	NA	-1.9	NA	NA	NA	NA	1.2
-4.7	1.7	1.1	42.6	NA	NA	NA	1.0
-4.6	1.8	0.5	43.0	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.3	2.7	-0.8	-94.3	NA	NA	NA	1.1
-4.2	8.0	0.4	-38.9	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	3.2	0.4	27.1	NA	NA	NA	1.0
-4.3	3.0	-1.0	-104.3	NA	NA	NA	1.2
-4.2	2.4	0.1	-73.5	NA	NA	NA	1.2
-4.9	1.8	-0.5	46.8	-4.3	10.0	-129.3	2.1
-4.7	2.0	0.1	65.1	-4.2	10.0	4.6	1.1
-4.2	3.9	-0.2	-114.2	NA	NA	NA	1.7
-4.4	8.0	0.1	-47.3	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.2	7.3	0.2	32.3	NA	NA	NA	1.0
-4.2	3.4	-0.7	-110.0	NA	NA	NA	2.0
-4.2	4.3	-0.1	-106.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	6.1	0.1	131.7	NA	NA	NA	0.4
-4.3	3.5	-0.2	-122.4	NA	NA	NA	1.0
-4.4	5.2	-0.1	-30.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	3.7	-0.1	30.8	NA	NA	NA	0.5
-4.3	3.7	-2.3	-93.0	NA	NA	NA	2.1
-4.2	3.6	-0.6	-97.7	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	5.1	0.0	31.6	NA	NA	NA	0.3
-4.2	4.3	-1.6	-128.4	NA	NA	NA	1.7
-4.2	6.7	0.8	-42.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.3
-4.1	4.6	0.0	31.5	NA	NA	NA	0.5
-4.3	8.0	1.5	-79.3	NA	NA	NA	1.8
-4.3	2.3	-0.5	-105.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.5	2.2	0.3	31.0	NA	NA	NA	1.1
-4.3	3.4	-0.9	-116.9	NA	NA	NA	1.3
-4.3	1.7	0.6	-49.3	NA	NA	NA	1.0
-4.7	1.9	-1.1	60.9	-4.2	10.0	-77.9	1.8
-4.6	2.6	-0.3	70.6	-4.3	10.0	9.7	1.0
-4.2	3.1	0.2	-119.1	NA	NA	NA	1.7
-4.2	3.4	0.2	-57.2	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.2	8.0	-0.1	25.4	NA	NA	NA	1.0
-4.3	3.0	-0.6	-117.2	NA	NA	NA	1.6
-4.2	4.1	0.3	-109.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	7.2	-0.1	81.6	NA	NA	NA	0.4
-4.3	7.0	-0.8	-101.1	NA	NA	NA	1.1
-4.2	4.5	0.5	-56.8	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	4.7	-0.2	46.0	NA	NA	NA	0.5
-4.2	2.4	1.1	-104.6	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
-4.2	3.5	-0.1	-93.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	8.0	0.0	17.9	NA	NA	NA	0.3
-4.3	5.1	0.6	-100.1	NA	NA	NA	1.2
-4.0	8.0	0.7	-47.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.4
-4.1	6.5	-0.1	30.6	NA	NA	NA	0.5
-4.1	3.4	2.2	-71.9	NA	NA	NA	1.7
-4.4	3.7	0.1	-81.9	NA	NA	NA	1.0
-4.2	8.0	1.0	-41.1	NA	NA	NA	1.4
-4.5	2.8	0.1	39.2	NA	NA	NA	1.2
-4.3	3.5	0.3	-110.3	NA	NA	NA	1.4
-4.3	2.1	0.9	-38.6	NA	NA	NA	1.2
-4.8	1.3	-0.7	52.6	-4.2	10.0	-110.2	2.0
-4.6	1.8	-0.4	58.4	-4.2	9.9	6.4	1.3
-4.1	4.5	0.7	-130.2	NA	NA	NA	1.5
-4.3	4.3	-0.1	-81.1	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.2	0.0	24.1	NA	NA	NA	0.3
-4.2	4.0	-0.1	-133.4	NA	NA	NA	1.2
-4.2	8.0	1.0	-39.6	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	0.8
-4.1	8.0	-0.5	31.4	NA	NA	NA	0.5
-4.3	8.0	1.4	-50.7	NA	NA	NA	2.0
-4.3	1.9	-0.1	-43.8	NA	NA	NA	1.1
-4.6	8.0	-2.0	41.2	NA	NA	NA	1.8
-4.5	4.7	-0.2	53.5	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	0.9
-5.0	1.6	-1.6	-22.6	NA	NA	NA	1.4
-4.9	1.2	-2.9	75.7	NA	NA	NA	1.8
-4.8	1.0	-0.3	91.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.5	4.6	0.6	-27.1	NA	NA	NA	1.0
-5.0	8.0	2.7	43.1	-4.1	5.5	-116.0	2.0
-4.6	3.1	1.1	64.7	-4.2	10.0	-33.9	1.2
-4.1	6.5	0.0	-75.3	NA	NA	NA	1.2
-4.2	4.2	3.0	-71.4	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	-1.1	72.9	NA	NA	NA	0.5
-4.1	8.0	-9.0	-102.8	NA	NA	NA	1.8
-5.2	2.9	-0.7	-15.8	NA	NA	NA	0.5
-5.0	2.4	-0.4	40.6	NA	NA	NA	1.3
-4.9	1.9	0.9	72.7	NA	NA	NA	1.0
NA	NA	5.3	NA	NA	NA	NA	1.2
-4.8	1.1	-0.1	-23.8	NA	NA	NA	1.2
-4.7	7.9	1.9	47.3	NA	NA	NA	1.9



ga	gw	zr	tp	la	lw	bt	er
-4.8	1.6	2.0	81.2	NA	NA	NA	1.4
NA	NA	-2.5	NA	NA	NA	NA	1.6
-5.2	2.2	-1.0	16.3	NA	NA	NA	1.3
-5.9	2.6	-0.4	29.2	-4.0	0.6	-8.0	1.0
-6.0	3.1	0.4	18.6	-5.0	1.4	-3.0	1.0
NA	NA	-1.9	NA	NA	NA	NA	2.0
-4.4	1.0	0.2	-28.0	NA	NA	NA	1.1
-4.6	8.0	0.1	41.4	NA	NA	NA	1.8
-4.3	1.5	0.5	96.7	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	1.4
-5.2	3.0	-0.8	21.0	NA	NA	NA	1.2
-5.8	2.9	0.2	35.7	-5.1	2.4	9.8	1.0
-6.0	5.0	0.2	16.9	-5.2	3.7	-3.4	1.0
NA	NA	-1.3	NA	NA	NA	NA	2.3
-5.4	2.9	2.2	-44.8	NA	NA	NA	1.0
-5.5	2.2	-1.5	133.2	-4.5	3.5	92.9	1.4
-5.4	2.9	-0.9	159.1	NA	NA	NA	1.5
NA	NA	2.3	NA	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.7
-5.2	0.5	-2.8	52.7	NA	NA	NA	1.7
-5.4	1.6	-0.7	26.3	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.7	8.0	1.2	-12.4	NA	NA	NA	1.0
-4.9	0.7	-0.2	40.8	NA	NA	NA	0.5
-4.7	0.7	-0.2	26.9	NA	NA	NA	0.3
NA	NA	0.1	NA	NA	NA	NA	1.7
-4.3	1.2	0.0	-41.9	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	0.6
-4.3	1.6	-1.7	38.6	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.9
-5.0	3.2	0.2	-82.6	NA	NA	NA	1.0
-5.3	7.9	0.4	32.8	-4.8	8.5	-36.9	1.1
-5.0	2.3	-0.1	66.2	NA	NA	NA	1.0
-4.9	3.4	0.6	-99.2	NA	NA	NA	1.0
-4.5	7.8	-0.3	-67.4	NA	NA	NA	1.0
-4.6	8.0	-0.3	-21.9	NA	NA	NA	1.0
-4.1	5.2	0.3	96.5	NA	NA	NA	1.0
-4.7	4.1	-0.3	-83.3	NA	NA	NA	1.6
-4.6	6.8	1.7	-87.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.9	-0.4	147.4	NA	NA	NA	0.4
-4.6	6.8	0.4	-98.2	NA	NA	NA	1.3
-4.6	7.9	-0.1	-74.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.2
-4.5	7.0	0.1	106.8	NA	NA	NA	0.9
-4.7	7.1	-4.2	-87.3	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.7	5.9	0.2	-74.1	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	4.3	0.1	37.6	NA	NA	NA	0.3
-4.7	8.0	2.5	-88.8	NA	NA	NA	1.3
-4.3	2.4	3.7	-88.5	NA	NA	NA	1.0
-4.5	3.1	1.3	-15.1	NA	NA	NA	1.0
-4.1	3.4	-0.3	132.1	NA	NA	NA	1.0
-4.4	2.7	3.3	-106.4	NA	NA	NA	1.6
-5.0	3.6	1.3	-84.3	NA	NA	NA	1.0
-5.4	8.0	-1.0	21.0	-4.7	10.0	-28.5	1.0
-5.1	4.2	-1.3	81.2	-4.8	10.0	46.4	1.0
-4.9	2.6	-1.3	-95.7	NA	NA	NA	1.1
-4.4	5.1	0.6	-67.2	NA	NA	NA	1.3
-4.7	3.2	0.2	-23.3	NA	NA	NA	1.0
-4.2	7.2	-0.5	86.3	NA	NA	NA	0.5
-4.7	4.5	-4.2	-81.8	NA	NA	NA	2.0
-4.7	8.0	0.3	-87.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.0	0.1	173.9	NA	NA	NA	0.4
-4.7	7.2	1.2	-101.1	NA	NA	NA	0.5
-4.6	8.0	0.6	-51.8	-4.3	10.0	-8.0	1.4
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.6	8.0	-0.2	31.1	-4.2	10.0	-2.9	0.5
NA	NA	-0.1	NA	NA	NA	NA	2.4
-4.7	4.2	0.8	-80.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	4.8	-0.2	29.5	NA	NA	NA	0.3
-4.7	8.0	-1.5	-100.0	NA	NA	NA	1.8
-4.6	3.9	-0.4	-79.9	NA	NA	NA	1.2
-4.6	8.0	-0.1	-16.9	NA	NA	NA	1.0
-4.2	2.7	-0.3	190.6	NA	NA	NA	1.0
-4.6	4.6	-0.2	-96.1	NA	NA	NA	1.7
NA	NA	1.0	NA	NA	NA	NA	0.8
-4.8	2.2	-2.0	75.9	NA	NA	NA	1.2
-4.7	2.2	-1.2	55.7	-4.1	4.6	13.8	1.0
NA	NA	-2.1	NA	NA	NA	NA	0.8
-4.1	3.3	-1.4	103.9	NA	NA	NA	1.3
-4.2	1.8	5.3	418.7	NA	NA	NA	2.3
-5.2	1.1	1.5	43.6	NA	NA	NA	1.5
NA	NA	-3.4	NA	NA	NA	NA	2.0
-4.5	3.7	0.0	85.7	NA	NA	NA	1.7
-4.4	0.9	-1.6	477.5	NA	NA	NA	1.8
-5.0	1.4	0.1	116.0	-4.5	10.0	87.0	1.3
NA	NA	-0.2	NA	NA	NA	NA	2.2
-4.2	6.0	1.3	65.0	NA	NA	NA	1.0
-4.2	1.4	0.3	178.4	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.6	3.1	0.0	52.1	NA	NA	NA	0.4
NA	NA	-2.0	NA	NA	NA	NA	0.8
-4.2	3.9	1.7	73.7	NA	NA	NA	1.4
-4.1	0.6	0.1	229.5	NA	NA	NA	1.0
-4.3	0.7	-0.7	125.7	NA	NA	NA	0.9
NA	NA	-2.8	NA	NA	NA	NA	1.9
-4.4	8.0	-2.1	91.1	NA	NA	NA	1.9
-4.3	1.4	0.1	160.7	NA	NA	NA	0.5
-5.0	1.3	0.2	24.3	NA	NA	NA	0.3
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.1	3.5	-1.7	17.0	NA	NA	NA	1.1
-4.3	1.4	0.4	258.1	NA	NA	NA	1.6
-4.4	1.2	0.6	133.9	NA	NA	NA	1.4
NA	NA	3.7	NA	NA	NA	NA	2.1
-4.8	8.0	-1.0	-19.7	NA	NA	NA	1.0
-4.6	1.8	0.3	39.4	NA	NA	NA	1.1
-4.8	2.3	1.9	39.9	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.1
-4.7	1.3	0.4	-22.9	NA	NA	NA	1.0
-4.5	1.1	1.3	71.0	NA	NA	NA	1.6
-4.5	1.2	0.5	70.5	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.9
NA	NA	1.4	NA	NA	NA	NA	1.2
-4.4	8.0	2.2	108.0	NA	NA	NA	1.7
-4.4	2.3	-0.6	40.9	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	2.1
-5.3	1.1	-1.1	-20.5	NA	NA	NA	1.0
-5.4	3.1	-0.8	35.2	NA	NA	NA	1.7
-5.3	1.2	-0.5	46.0	NA	NA	NA	1.5
NA	NA	-0.4	NA	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.2	8.0	-2.1	28.5	NA	NA	NA	1.6
-4.3	7.7	-2.2	44.6	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.5
-4.9	3.3	-1.5	-85.4	NA	NA	NA	1.0
-5.1	1.5	0.4	52.4	-4.6	10.0	-32.5	1.4
-4.8	2.9	2.0	130.3	-4.6	10.0	65.1	1.5
-4.9	3.9	-1.4	-93.9	NA	NA	NA	1.0
-4.6	7.5	0.7	-63.5	NA	NA	NA	1.1
-4.6	8.0	1.0	-37.0	NA	NA	NA	1.0
-4.4	2.4	0.0	36.6	NA	NA	NA	1.0
-5.0	1.9	1.1	-100.2	NA	NA	NA	2.0
-4.7	8.0	-1.2	-87.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	0.1	163.9	NA	NA	NA	0.4
-4.8	5.9	0.7	-99.2	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.8	4.2	-0.8	-85.4	NA	NA	NA	1.0
-4.5	8.0	-0.1	-17.3	NA	NA	NA	1.0
-4.7	8.0	0.4	131.4	-4.2	9.9	104.8	0.9
-5.0	3.3	-3.3	-95.5	NA	NA	NA	1.7
-4.7	7.4	3.0	-82.3	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.5
-4.7	8.0	0.1	27.1	NA	NA	NA	0.3
-4.8	8.0	-1.2	-95.7	NA	NA	NA	1.3
-4.7	7.8	-0.2	-87.9	NA	NA	NA	1.0
-4.5	8.0	0.9	-26.8	NA	NA	NA	0.8
-4.5	4.3	1.1	232.0	-4.1	10.0	155.5	1.0
-4.9	4.1	-3.0	-96.8	NA	NA	NA	1.6
-4.7	5.8	-0.7	-28.2	NA	NA	NA	1.0
-4.7	7.0	-0.7	70.9	NA	NA	NA	1.2
-4.7	5.4	-0.4	91.2	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	1.1
NA	NA	-1.9	NA	NA	NA	NA	1.0
-4.2	2.7	1.6	75.2	NA	NA	NA	1.6
-4.2	2.1	2.2	44.6	NA	NA	NA	1.1
NA	NA	5.4	NA	NA	NA	NA	1.4
-5.0	8.0	-1.7	-8.5	NA	NA	NA	1.0
-4.7	2.5	-0.5	67.7	NA	NA	NA	1.0
-4.8	3.9	0.6	49.2	NA	NA	NA	0.9
NA	NA	1.0	NA	NA	NA	NA	2.3
-4.6	3.4	-2.0	-35.0	NA	NA	NA	1.0
-4.7	3.9	-2.9	63.1	NA	NA	NA	1.3
-4.7	3.4	-1.7	79.9	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.6
NA	NA	-2.1	NA	NA	NA	NA	1.3
-5.0	2.8	-1.0	57.8	-4.5	10.0	6.2	1.0
-5.1	4.2	0.1	35.1	-4.3	9.7	2.2	0.9
NA	NA	-5.1	NA	NA	NA	NA	1.8
NA	NA	-0.9	NA	NA	NA	NA	0.9
-4.6	8.0	3.1	26.0	NA	NA	NA	1.4
-4.3	3.6	2.3	31.1	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.6
-4.5	3.9	-0.3	-100.0	NA	NA	NA	1.0
-5.4	1.6	1.0	25.5	-4.7	10.0	-36.6	1.2
-5.2	1.3	0.9	22.6	NA	NA	NA	1.1
-4.5	5.9	1.5	-132.5	NA	NA	NA	1.0
-4.5	3.6	1.8	-72.8	NA	NA	NA	1.0
-5.0	1.9	1.7	43.1	-4.5	10.0	-130.5	1.7
-5.0	3.9	-1.2	34.3	-4.6	9.7	-6.7	1.0
-4.5	2.9	0.3	-129.0	NA	NA	NA	1.4
-4.5	8.0	0.3	-68.4	NA	NA	NA	1.0
-4.6	5.0	1.1	-31.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	0.6	44.2	NA	NA	NA	0.5
-4.5	3.7	0.2	-133.7	NA	NA	NA	1.4
-4.5	8.0	1.2	-81.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.5	4.6	0.0	19.8	NA	NA	NA	0.3
-4.5	5.4	0.2	-122.2	NA	NA	NA	1.7
-4.5	2.9	1.3	-88.7	NA	NA	NA	1.0
-5.3	1.7	1.0	25.4	-4.5	4.3	-49.5	1.0
-4.6	0.9	0.0	62.0	NA	NA	NA	1.0
-4.6	5.3	0.3	-97.2	NA	NA	NA	1.3
-4.6	3.5	0.4	-63.8	NA	NA	NA	1.1
-5.9	5.5	1.8	43.1	-4.5	7.0	-178.7	2.0
-5.3	1.4	-0.8	52.5	-4.5	4.5	-24.6	1.0
-4.7	2.6	-1.2	-100.3	NA	NA	NA	1.7
-4.4	8.0	0.9	-73.0	NA	NA	NA	1.4
-4.5	3.4	0.4	-34.1	NA	NA	NA	1.0
-4.2	8.0	0.1	113.5	NA	NA	NA	0.8
-4.8	2.7	-1.8	-96.3	NA	NA	NA	2.0
-4.4	8.0	0.4	-91.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	6.3	0.0	134.5	NA	NA	NA	0.4
-4.6	1.6	1.8	-112.9	NA	NA	NA	1.0
-4.2	4.1	-0.1	-110.7	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	6.1	0.4	204.3	NA	NA	NA	0.9
-4.2	3.6	0.6	-138.6	NA	NA	NA	1.7
-4.5	7.4	-0.7	-79.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	3.4	0.1	23.3	NA	NA	NA	0.3
-4.4	2.3	-2.9	-113.2	NA	NA	NA	1.5
-4.2	2.4	-1.3	-110.8	NA	NA	NA	1.1
-4.2	3.3	-1.3	-23.2	NA	NA	NA	1.0
-4.0	3.5	0.4	258.9	NA	NA	NA	1.0
-4.2	2.6	-2.8	-134.1	NA	NA	NA	2.1
-4.3	4.6	-2.5	-50.9	NA	NA	NA	1.0
-5.4	0.9	-4.7	4.3	NA	NA	NA	1.0
-4.2	3.3	-1.3	76.9	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.3
NA	NA	-1.8	NA	NA	NA	NA	0.9
-4.3	8.0	0.6	52.6	NA	NA	NA	2.2
-4.3	8.0	2.0	51.0	NA	NA	NA	1.0
NA	NA	-7.9	NA	NA	NA	NA	2.1
NA	NA	0.5	NA	NA	NA	NA	1.5
-4.1	1.4	-2.1	61.3	NA	NA	NA	1.8
-4.4	1.6	-1.4	33.5	NA	NA	NA	1.0
NA	NA	-13.2	NA	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.8	NA	NA	NA	NA	0.9
-4.9	1.8	-0.7	39.7	NA	NA	NA	1.0
-5.1	2.9	-0.9	14.8	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	1.4
-4.9	2.2	-0.6	40.2	NA	NA	NA	1.0
-4.7	1.3	-2.5	461.7	NA	NA	NA	1.8
-5.1	1.6	0.5	108.9	NA	NA	NA	1.0
-4.5	4.2	2.8	-94.1	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.6	1.4	0.1	362.2	NA	NA	NA	1.1
-4.7	1.1	0.1	184.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.7
-4.7	1.4	-0.1	12.4	NA	NA	NA	1.0
-4.8	1.2	0.2	174.8	NA	NA	NA	0.5
-4.8	1.2	0.1	96.6	NA	NA	NA	0.4
-4.7	2.9	1.1	-38.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.6	1.0	-0.1	149.8	NA	NA	NA	1.0
-4.7	1.3	0.2	115.8	NA	NA	NA	0.9
NA	NA	2.1	NA	NA	NA	NA	1.6
NA	NA	1.2	NA	NA	NA	NA	0.9
-4.8	1.2	0.0	111.7	NA	NA	NA	0.5
-4.8	1.1	-0.1	46.6	NA	NA	NA	0.3
NA	NA	-0.7	NA	NA	NA	NA	1.2
-5.2	1.2	0.9	13.9	NA	NA	NA	1.0
-4.7	1.1	0.6	265.4	NA	NA	NA	1.0
-4.8	1.1	0.3	131.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.7
-5.8	1.5	0.5	-31.6	NA	NA	NA	1.0
-5.7	1.5	0.9	102.1	NA	NA	NA	1.3
-5.6	1.5	-0.1	112.7	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	1.2
-5.2	1.9	0.3	18.0	NA	NA	NA	0.5
-5.2	1.9	0.1	9.9	NA	NA	NA	0.3
NA	NA	1.8	NA	NA	NA	NA	1.0
-4.6	1.2	0.7	-15.8	NA	NA	NA	0.9
-4.3	1.4	-0.6	55.5	NA	NA	NA	1.7
-4.4	1.3	-0.4	58.5	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.4
NA	NA	-1.8	NA	NA	NA	NA	1.3
-4.3	1.6	-0.1	54.6	NA	NA	NA	1.5
-4.4	1.7	0.5	60.5	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.6
NA	NA	-1.6	NA	NA	NA	NA	1.3
-4.3	1.7	-1.0	54.5	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.4	-0.3	62.7	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	1.5
-5.0	3.0	-0.4	-12.4	NA	NA	NA	1.0
-4.4	8.0	2.9	44.5	NA	NA	NA	2.0
-4.6	1.0	0.6	53.9	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	1.1
NA	NA	1.0	NA	NA	NA	NA	1.4
-6.6	3.1	0.7	21.9	-5.3	9.9	1.9	1.0
-6.4	8.0	-0.4	16.1	-3.5	0.5	-24.5	1.0
NA	NA	0.6	NA	NA	NA	NA	1.7
-4.8	3.4	0.6	-15.6	NA	NA	NA	1.0
-4.8	2.0	-6.2	51.3	NA	NA	NA	2.3
-4.8	5.0	0.6	64.8	-4.1	3.3	36.1	1.1
NA	NA	-2.7	NA	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.1
-4.7	3.5	1.0	67.2	NA	NA	NA	1.8
-4.7	3.8	1.3	64.4	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.7
-5.1	3.8	0.0	-24.0	NA	NA	NA	1.1
-5.0	1.6	1.0	56.7	-4.0	10.0	11.3	2.0
-5.0	2.7	0.4	62.0	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.6
-4.9	2.1	0.2	-27.0	NA	NA	NA	1.0
-4.9	3.6	-0.1	66.3	-4.6	3.2	30.5	1.7
-5.0	3.5	0.2	63.9	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.7
-5.0	1.7	1.2	-26.9	NA	NA	NA	1.0
-5.1	2.0	-1.5	65.6	-4.3	3.2	35.3	1.9
-5.1	2.5	-1.1	68.0	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	1.5
-4.4	1.7	-2.6	-101.1	NA	NA	NA	1.0
-4.2	8.0	-0.4	-33.8	NA	NA	NA	1.0
-4.5	1.8	0.2	99.7	NA	NA	NA	1.0
-4.2	3.7	-0.8	-124.9	NA	NA	NA	1.1
-4.4	5.5	-0.1	-64.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.8
-4.2	3.4	-0.3	37.9	NA	NA	NA	1.0
-4.2	3.0	-1.0	-127.4	NA	NA	NA	1.6
-4.2	4.2	0.0	-96.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	7.1	0.2	131.1	NA	NA	NA	0.5
-4.2	8.0	-0.9	-104.6	NA	NA	NA	1.6
-4.6	8.0	-0.8	-79.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.6	8.0	0.2	23.3	NA	NA	NA	0.3
-4.7	8.0	-0.5	-100.4	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	2.3	-108.0	NA	NA	NA	1.1
-4.2	8.0	-0.6	-33.7	NA	NA	NA	1.3
-4.5	3.7	-1.3	59.4	NA	NA	NA	1.4
-4.3	3.0	-1.3	-119.0	NA	NA	NA	1.1
-4.2	5.3	-0.7	-110.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	6.8	0.3	154.1	NA	NA	NA	0.4
-4.3	2.7	1.2	-135.8	NA	NA	NA	1.0
-4.2	7.3	-2.4	-63.3	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	4.0	0.6	69.5	NA	NA	NA	0.5
-4.2	6.6	5.3	-100.9	NA	NA	NA	2.1
-4.2	6.8	0.7	-84.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.1	0.0	16.4	NA	NA	NA	0.3
-4.2	6.8	0.0	-70.1	NA	NA	NA	1.0
-7.0	1.8	1.2	-13.8	NA	NA	NA	1.1
-6.9	1.5	-0.3	77.3	NA	NA	NA	1.1
-7.0	2.0	-0.8	63.8	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.5	1.6	-1.6	-87.2	NA	NA	NA	1.0
-5.2	4.0	-3.2	33.8	-4.5	10.0	-11.2	1.0
-5.2	8.0	-1.3	51.9	-4.8	4.5	22.6	1.0
-4.3	2.9	-5.3	-108.9	NA	NA	NA	2.4
-4.3	8.0	-4.5	-58.6	NA	NA	NA	1.5
NA	NA	-2.5	NA	NA	NA	NA	0.7
-4.3	8.0	-0.5	30.5	NA	NA	NA	1.0
-4.4	1.8	1.3	-98.0	NA	NA	NA	1.8
-4.3	3.5	0.1	-113.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	5.2	-0.2	105.9	NA	NA	NA	0.4
-4.5	1.5	-2.8	-122.3	NA	NA	NA	1.6
-4.4	4.5	-0.3	-91.6	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.0
-4.3	7.7	-0.5	185.5	NA	NA	NA	0.9
-4.3	3.4	5.2	-127.6	NA	NA	NA	1.6
-4.3	3.1	-1.5	-98.8	NA	NA	NA	1.0
-4.3	2.6	-0.7	-28.4	NA	NA	NA	1.0
-4.2	5.7	-0.1	143.0	NA	NA	NA	1.0
-4.3	1.9	0.0	-121.5	NA	NA	NA	1.8
-4.4	1.4	1.1	-85.1	NA	NA	NA	1.0
-5.3	2.0	0.1	27.9	-4.7	10.0	-15.1	1.2
-5.3	2.6	-0.5	27.5	-4.3	1.6	-14.1	1.0
-4.5	2.0	-0.5	-109.9	NA	NA	NA	1.0
-4.5	2.3	-1.1	-41.3	NA	NA	NA	1.0
-5.0	8.0	2.2	21.2	-4.6	9.3	-110.2	1.6



ga	gw	zr	tp	la	lw	bt	er
-5.1	5.3	1.6	17.2	-4.3	4.6	-21.8	0.8
-4.4	2.6	-0.7	-84.3	NA	NA	NA	1.6
-4.5	8.0	0.7	-48.9	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.5
-4.5	5.2	-0.3	42.9	NA	NA	NA	1.0
-4.5	2.1	-0.3	-93.4	NA	NA	NA	1.6
-4.4	2.8	-1.0	-91.8	NA	NA	NA	1.0
-5.1	1.2	1.1	26.3	-4.5	9.8	-35.9	1.0
-4.1	0.8	1.4	66.2	NA	NA	NA	1.0
-4.5	3.5	0.3	-98.9	NA	NA	NA	1.0
-4.4	2.5	0.0	-74.6	NA	NA	NA	1.0
-5.6	8.0	1.3	19.7	-4.2	2.2	-220.5	2.1
-5.4	8.0	0.3	12.5	-4.3	9.9	-21.7	0.5
-4.3	1.4	-1.2	-130.4	NA	NA	NA	1.4
-4.3	4.3	-0.5	-91.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.3	0.2	130.8	NA	NA	NA	0.4
-4.5	1.2	-2.9	-122.7	NA	NA	NA	1.5
-4.4	2.9	2.3	-89.2	NA	NA	NA	1.5
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	3.9	-0.4	140.0	NA	NA	NA	0.9
-4.6	1.5	-7.0	-97.9	NA	NA	NA	1.9
-4.4	4.7	1.4	-80.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	4.3	-0.1	30.1	NA	NA	NA	0.3
-4.3	1.8	-1.3	-129.1	NA	NA	NA	1.3
-4.5	2.4	1.0	-91.6	NA	NA	NA	1.0
-4.4	3.8	-1.3	-28.5	NA	NA	NA	1.1
-4.0	1.9	-0.5	163.3	NA	NA	NA	1.0
-4.3	1.9	-1.4	-121.4	NA	NA	NA	1.7
-4.7	7.3	0.6	-32.7	NA	NA	NA	1.0
-4.5	2.0	-0.4	62.1	NA	NA	NA	1.7
-4.5	2.3	-1.0	108.3	NA	NA	NA	1.5
NA	NA	-0.4	NA	NA	NA	NA	1.4
-4.1	7.1	1.4	-51.5	NA	NA	NA	1.0
-4.8	0.5	-0.7	9.3	-4.0	5.1	-8.8	1.0
-4.1	4.5	-0.3	46.1	NA	NA	NA	1.0
-4.3	7.8	1.4	-76.7	NA	NA	NA	2.0
-4.7	1.4	-0.9	-86.1	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.3
-4.6	2.0	0.0	19.0	NA	NA	NA	0.4
NA	NA	-1.0	NA	NA	NA	NA	1.1
-4.7	1.1	-0.2	-72.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.7	2.1	-0.3	31.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.6	NA	NA	NA	NA	1.2
-4.6	7.9	-0.7	31.3	NA	NA	NA	1.9
-4.4	1.2	-2.8	40.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.5
-4.3	3.5	0.1	-39.8	NA	NA	NA	1.0
-4.5	8.0	2.5	22.6	NA	NA	NA	1.1
-4.4	5.5	1.6	42.9	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.3
-4.3	2.4	-2.0	-57.8	NA	NA	NA	1.0
-4.6	8.0	-1.1	26.0	NA	NA	NA	1.3
-4.5	8.0	0.3	81.2	NA	NA	NA	1.2
NA	NA	1.4	NA	NA	NA	NA	1.4
-4.4	0.7	1.4	44.9	NA	NA	NA	1.6
-6.5	8.0	5.8	42.2	-5.0	1.8	-50.3	2.5
-4.8	1.9	3.1	-58.0	NA	NA	NA	1.5
NA	NA	-9.0	NA	NA	NA	NA	2.3
-5.2	1.1	-2.2	-27.2	NA	NA	NA	1.2
-5.3	4.3	-0.4	50.6	-4.2	2.5	17.3	1.0
-5.2	3.4	0.8	66.5	-4.5	3.5	42.8	0.9
-5.5	1.4	0.2	-43.2	NA	NA	NA	1.3
-4.6	0.9	-0.1	-47.3	NA	NA	NA	1.3
-5.1	7.1	0.0	15.8	-4.4	10.0	4.7	1.0
-4.9	1.1	0.2	31.5	NA	NA	NA	1.0
-4.3	0.5	-3.6	-80.8	NA	NA	NA	1.7
-4.6	0.9	1.5	-45.0	NA	NA	NA	1.0
-5.1	2.2	-1.2	50.4	NA	NA	NA	1.7
-5.0	1.6	-1.9	62.1	NA	NA	NA	1.5
NA	NA	-0.8	NA	NA	NA	NA	1.5
-5.5	1.3	0.6	-90.3	-4.1	1.9	-63.9	0.9
-6.6	1.5	1.7	39.8	-5.8	3.0	-33.4	1.2
-4.9	0.5	-1.0	85.7	NA	NA	NA	1.7
-5.6	8.0	2.0	-98.9	NA	NA	NA	1.0
-6.4	1.7	0.2	-59.4	NA	NA	NA	1.5
-6.0	4.7	0.2	-185.0	-5.1	10.0	-106.3	2.9
-6.7	1.0	-3.1	30.7	-6.0	10.0	-3.6	2.0
-6.5	2.0	1.8	-104.7	NA	NA	NA	1.4
-5.9	8.0	1.5	-46.2	NA	NA	NA	1.8
-5.8	1.4	-1.2	5.3	NA	NA	NA	1.0
-5.9	3.7	-0.1	86.5	-5.7	0.6	53.1	1.3
-6.3	2.8	1.2	-88.5	NA	NA	NA	1.8
-5.8	4.7	2.2	-86.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-5.3	2.3	-0.5	103.8	NA	NA	NA	0.7
-5.9	3.3	0.7	-95.9	NA	NA	NA	1.0
-6.0	2.2	3.7	-64.4	NA	NA	NA	1.2
-6.3	4.5	0.9	37.4	-5.5	1.8	17.4	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.8	1.6	-1.3	146.0	-5.5	10.0	103.1	1.1
-6.0	3.6	-1.3	-98.2	NA	NA	NA	1.3
-6.3	5.6	-0.2	-73.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.2
-6.2	5.1	0.1	24.9	NA	NA	NA	0.3
-6.3	8.0	0.1	-101.0	NA	NA	NA	1.0
-6.4	4.8	2.0	-68.4	NA	NA	NA	1.0
-6.9	6.4	0.9	39.1	-6.7	9.9	-2.2	1.0
-6.2	1.6	-0.6	98.3	NA	NA	NA	1.3
-6.5	5.1	3.6	-102.6	NA	NA	NA	1.0
-4.4	0.9	-1.9	-20.8	NA	NA	NA	0.7
-4.4	1.1	-1.5	53.7	NA	NA	NA	1.9
-4.3	1.5	1.8	53.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
NA	NA	1.3	NA	NA	NA	NA	0.8
-4.2	4.3	-2.3	75.8	NA	NA	NA	1.6
-4.3	8.0	0.1	32.4	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.2	3.4	-2.4	64.3	NA	NA	NA	1.5
-4.2	2.5	-0.9	52.2	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.5
NA	NA	-3.8	NA	NA	NA	NA	1.6
-4.7	1.6	0.5	54.3	NA	NA	NA	1.2
-4.6	1.6	1.9	50.3	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.2	6.5	1.2	-112.0	NA	NA	NA	1.0
-4.4	6.4	0.0	-34.1	NA	NA	NA	1.0
-4.2	8.0	-0.4	54.4	NA	NA	NA	1.0
-4.4	8.0	-2.3	-87.8	NA	NA	NA	1.5
-4.6	2.4	0.9	-66.8	NA	NA	NA	1.0
-5.5	3.4	2.4	57.2	-4.5	3.6	-143.4	1.3
-5.3	2.7	0.4	49.9	-4.5	5.3	-9.2	1.0
-4.2	2.1	-0.5	-141.0	NA	NA	NA	1.3
-4.3	4.5	0.1	-99.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	8.0	-0.1	114.2	NA	NA	NA	0.4
-4.2	8.0	1.0	-128.1	NA	NA	NA	1.2
-4.2	4.6	2.1	-84.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	6.0	-0.7	55.8	NA	NA	NA	0.5
-4.5	3.5	-1.2	-83.1	NA	NA	NA	1.5
-4.3	2.9	0.4	-95.0	NA	NA	NA	1.0
-4.1	4.6	0.3	-31.2	NA	NA	NA	1.0
-4.1	2.5	0.0	126.4	NA	NA	NA	1.0
-4.2	2.3	-2.5	-135.5	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	3.6	NA	NA	NA	NA	0.9
-4.4	2.1	0.5	54.9	NA	NA	NA	1.9
-4.3	2.4	-3.4	35.1	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.4
NA	NA	0.9	NA	NA	NA	NA	0.5
-4.4	4.8	0.6	69.6	NA	NA	NA	1.4
-4.4	4.8	-0.5	66.5	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.6
-4.4	8.0	0.4	-44.0	NA	NA	NA	1.0
-4.7	2.7	-0.4	17.4	NA	NA	NA	1.0
-4.5	5.3	0.0	54.5	NA	NA	NA	1.0
-4.5	8.0	-1.0	-71.2	NA	NA	NA	1.6
-4.9	1.1	-0.2	-42.8	NA	NA	NA	1.4
-5.0	2.0	-1.7	62.7	-4.5	10.0	-28.0	1.5
-4.9	1.4	-1.7	91.0	-4.5	10.0	-0.8	1.7
-4.3	8.0	1.2	-98.1	NA	NA	NA	1.3
-4.3	1.9	-1.5	-54.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.3
-4.7	8.0	-0.1	21.0	NA	NA	NA	0.9
-4.5	3.4	3.9	-88.6	NA	NA	NA	1.8
-4.4	7.8	0.2	-81.4	NA	NA	NA	1.1
-4.3	8.0	0.0	-25.4	NA	NA	NA	1.0
-4.2	3.7	0.0	115.2	NA	NA	NA	1.0
-4.4	8.0	2.7	-92.4	NA	NA	NA	1.7
-6.0	0.7	-0.8	-16.6	NA	NA	NA	1.1
-5.7	2.1	0.9	36.2	NA	NA	NA	1.8
-5.4	0.7	0.6	51.0	NA	NA	NA	1.0
NA	NA	-5.1	NA	NA	NA	NA	1.8
-6.5	0.9	-1.6	-23.2	NA	NA	NA	1.2
-7.1	2.6	-2.0	84.6	-5.2	10.0	75.5	1.1
-7.0	2.1	-0.5	88.3	NA	NA	NA	1.4
-5.9	0.6	-2.8	-35.3	NA	NA	NA	1.4
-5.8	1.4	0.5	-17.1	-4.0	3.4	16.2	0.5
-6.0	1.2	-0.9	79.8	NA	NA	NA	2.0
-5.8	1.1	-0.6	70.6	-4.1	5.4	40.6	1.1
NA	NA	2.0	NA	NA	NA	NA	1.4
-4.4	2.5	2.2	-36.1	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	0.5
-4.7	5.0	-0.3	11.0	NA	NA	NA	1.0
-4.7	2.5	3.2	-102.1	NA	NA	NA	1.4
-6.2	4.4	-1.2	-14.0	NA	NA	NA	1.0
-5.7	1.5	-3.2	77.4	NA	NA	NA	1.5
-5.3	1.0	-0.9	90.2	-4.3	4.1	40.3	1.0
NA	NA	4.7	NA	NA	NA	NA	1.9
-4.6	2.4	0.2	12.8	NA	NA	NA	1.1
-5.5	4.3	0.7	15.7	-4.4	10.0	-10.9	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.2	NA	NA	NA	NA	0.6
NA	NA	1.6	NA	NA	NA	NA	1.5
-6.4	1.4	0.5	-14.0	-4.0	7.0	10.7	1.1
-5.8	1.4	0.7	58.8	NA	NA	NA	2.2
-5.9	1.0	0.5	60.5	-4.1	4.3	22.5	1.7
NA	NA	-0.1	NA	NA	NA	NA	2.0
-4.2	1.6	0.6	-53.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.2	1.9	-0.3	37.4	NA	NA	NA	1.0
-4.6	3.1	4.6	-97.7	NA	NA	NA	1.9
-4.9	1.3	-2.8	-20.8	NA	NA	NA	1.1
-4.8	0.4	-1.0	38.9	-4.5	10.0	-16.1	2.0
-5.3	8.0	4.1	26.1	NA	NA	NA	2.0
-4.5	7.5	-0.1	-112.6	NA	NA	NA	2.0
-4.5	2.3	-0.6	-54.9	NA	NA	NA	1.0
-4.8	2.7	-1.9	50.2	-4.4	10.0	-60.5	1.4
-4.9	3.1	-0.2	41.9	-4.5	9.9	0.2	1.0
-4.5	4.2	0.5	-101.1	NA	NA	NA	1.2
-4.4	8.0	-0.3	-57.3	NA	NA	NA	1.0
-4.6	2.1	-0.4	22.1	NA	NA	NA	1.0
-4.4	4.8	0.0	87.3	NA	NA	NA	1.0
-4.4	8.0	-1.2	-79.7	NA	NA	NA	2.2
-4.2	7.8	-2.3	-29.8	NA	NA	NA	1.0
-4.2	8.0	-1.2	47.0	NA	NA	NA	1.0
-4.2	8.0	-0.8	79.1	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.7
-4.8	3.8	2.0	-67.8	NA	NA	NA	1.0
-5.3	8.0	0.7	65.6	-4.8	4.1	-100.7	1.2
-5.2	3.2	-0.6	42.3	-4.7	5.0	2.6	1.0
-4.7	7.0	-1.0	-97.5	NA	NA	NA	1.5
-5.0	5.7	1.5	-90.1	NA	NA	NA	0.5
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.8	8.0	-0.2	86.3	NA	NA	NA	0.4
-5.2	2.5	2.2	-103.9	NA	NA	NA	1.4
-4.7	7.5	1.8	-70.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.5	3.4	-0.2	26.1	NA	NA	NA	0.5
-4.5	1.9	3.9	-109.1	NA	NA	NA	2.4
-5.0	7.3	3.9	-87.5	NA	NA	NA	1.2
-5.1	2.1	-1.4	-9.8	NA	NA	NA	1.0
-4.9	8.0	-3.4	83.3	NA	NA	NA	1.0
-5.0	5.0	-0.3	-99.4	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.5
-4.5	0.8	-3.7	34.9	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	0.9
NA	NA	1.1	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.2	3.9	-1.1	53.6	NA	NA	NA	1.0
-4.2	4.4	-1.5	49.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.9
NA	NA	2.1	NA	NA	NA	NA	0.9
-4.9	1.5	-5.3	92.5	NA	NA	NA	2.2
-4.8	2.3	0.1	51.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.4
-5.6	1.9	-1.7	-22.9	-4.6	2.9	-7.8	0.9
-5.6	0.9	-3.2	31.0	-4.6	9.2	-76.5	1.8
-5.7	2.9	1.7	43.3	-4.6	3.5	-11.0	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.3
-5.2	2.1	0.6	-37.0	NA	NA	NA	1.1
-5.1	3.7	0.9	123.4	NA	NA	NA	1.0
-4.9	2.7	0.7	226.6	-4.2	3.7	136.0	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.7
-5.8	1.0	-0.3	-25.6	-4.0	1.9	9.6	1.0
-5.9	1.2	-1.7	46.5	-4.1	1.3	-130.4	1.7
-5.7	0.9	-1.5	58.1	-4.4	5.1	-59.1	1.1
NA	NA	0.6	NA	NA	NA	NA	1.4
-4.5	1.5	-0.7	-77.8	NA	NA	NA	1.0
-4.5	7.8	0.4	-6.4	NA	NA	NA	0.5
-4.7	1.2	0.1	21.8	NA	NA	NA	0.4
-4.7	0.7	0.5	-89.2	NA	NA	NA	1.8
-5.5	1.9	0.8	-51.8	NA	NA	NA	1.0
-5.7	2.3	-0.4	201.1	-4.6	2.2	10.1	1.4
-5.6	3.3	0.1	217.9	-4.4	9.9	43.8	1.2
NA	NA	-0.4	NA	NA	NA	NA	2.0
-4.3	3.6	1.0	-99.2	NA	NA	NA	1.0
-4.4	8.0	3.1	-35.5	NA	NA	NA	1.5
-4.2	8.0	0.2	67.2	NA	NA	NA	1.0
-4.4	5.2	3.0	-104.1	NA	NA	NA	1.4
-4.5	2.7	1.8	-70.8	NA	NA	NA	1.0
-5.0	2.1	-4.1	34.7	-4.4	9.9	-86.6	1.7
-4.9	4.3	-2.9	45.1	-4.3	9.7	4.5	1.0
-4.4	4.3	-5.2	-100.9	NA	NA	NA	1.9
-4.2	3.7	1.6	-116.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	6.4	-0.3	78.5	NA	NA	NA	0.4
-4.2	8.0	0.0	-129.0	NA	NA	NA	1.1
-4.2	8.0	2.3	-84.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	6.8	-0.1	79.7	NA	NA	NA	0.9
-4.5	5.9	-1.5	-84.2	NA	NA	NA	1.5
-4.5	8.0	0.4	-81.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	4.7	0.2	27.4	NA	NA	NA	0.3
-4.3	2.3	-1.8	-137.1	NA	NA	NA	1.8
-4.3	1.7	0.6	-112.7	NA	NA	NA	1.0
-4.1	4.9	0.2	-39.8	NA	NA	NA	1.0
-4.2	2.8	0.3	187.5	NA	NA	NA	1.0
-4.3	4.1	1.3	-110.1	NA	NA	NA	1.6
-4.7	4.5	1.0	-69.1	NA	NA	NA	1.0
-5.2	1.8	1.3	54.7	-4.6	9.7	-137.1	1.6
-4.7	0.9	-1.4	65.1	-4.5	10.0	7.8	1.0
-4.4	3.0	-1.6	-134.7	NA	NA	NA	2.2
-4.6	8.0	1.7	-48.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	8.0	-0.2	20.7	NA	NA	NA	0.4
NA	NA	-2.2	NA	NA	NA	NA	1.6
-4.5	2.8	-0.4	-108.9	NA	NA	NA	1.0
-4.4	8.0	0.1	-24.4	NA	NA	NA	1.0
-4.6	2.6	-0.4	68.7	NA	NA	NA	1.0
-4.5	2.2	-1.2	-142.0	NA	NA	NA	1.5
-4.3	2.5	0.4	-34.5	NA	NA	NA	1.0
-4.2	2.9	1.7	63.6	NA	NA	NA	1.3
-4.2	3.0	1.0	80.9	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.2
-6.3	0.9	1.0	-11.6	NA	NA	NA	1.2
-5.6	0.6	-7.4	89.3	NA	NA	NA	1.8
-5.4	0.6	-3.6	63.1	NA	NA	NA	1.4
NA	NA	1.0	NA	NA	NA	NA	1.4
-4.8	1.6	-1.1	-18.4	NA	NA	NA	1.0
-4.9	0.6	0.6	37.8	NA	NA	NA	1.3
-4.6	0.6	1.3	50.3	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.9	1.3	0.4	-22.6	NA	NA	NA	1.0
-4.9	2.7	0.3	52.0	NA	NA	NA	1.9
-4.9	1.7	0.2	69.9	NA	NA	NA	1.0
NA	NA	2.9	NA	NA	NA	NA	1.5
-5.1	2.0	-1.0	-16.5	NA	NA	NA	1.0
-4.9	1.8	-2.5	44.1	NA	NA	NA	1.9
-5.0	3.0	0.7	51.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.3
-5.5	8.0	-0.6	-9.6	NA	NA	NA	1.3
-5.5	1.6	-0.6	77.5	-4.1	9.9	36.8	1.0
-5.4	2.0	0.1	101.9	-4.6	2.2	43.5	1.0
NA	NA	1.2	NA	NA	NA	NA	1.8
-5.2	1.7	1.8	-32.7	NA	NA	NA	1.0
-5.4	1.5	-5.7	101.8	NA	NA	NA	1.4
-5.3	1.5	-4.9	120.2	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.7

ga	gw	zr	tp	la	lw	bt	er
-4.2	6.0	2.6	-25.0	NA	NA	NA	1.0
-5.3	1.3	-2.0	50.8	-4.0	9.9	9.1	1.8
-4.4	2.8	-1.8	65.6	NA	NA	NA	1.4
NA	NA	-7.7	NA	NA	NA	NA	2.0
-6.6	8.0	1.0	-24.4	NA	NA	NA	0.7
-6.5	4.0	-1.0	56.5	-4.5	2.9	14.6	1.2
-6.4	3.1	-1.6	58.6	-4.6	1.7	15.3	1.4
-6.6	8.0	0.9	-48.0	-4.1	2.1	-29.2	0.8
-4.9	3.7	1.0	12.0	NA	NA	NA	0.7
-4.3	1.8	-3.6	86.7	NA	NA	NA	1.6
NA	NA	-1.6	NA	NA	NA	NA	1.2
NA	NA	1.7	NA	NA	NA	NA	1.3
-4.6	0.5	-1.8	-31.0	NA	NA	NA	1.0
-6.9	4.2	-0.3	67.8	-4.4	4.0	23.8	1.4
-6.9	4.0	0.6	49.4	-4.0	1.4	10.0	1.1
-6.9	3.3	-2.0	-55.6	NA	NA	NA	1.3
-6.6	3.1	-0.5	-33.4	-4.4	0.5	-6.6	0.9
-6.8	2.5	1.4	48.6	-4.8	3.2	15.2	1.1
-6.7	3.4	1.0	56.5	-4.7	2.3	18.6	1.5
-6.6	1.7	-2.5	-46.1	NA	NA	NA	1.3
-4.3	3.8	0.4	-72.3	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.2	4.0	-0.1	58.2	NA	NA	NA	1.0
-4.4	6.8	0.9	-77.9	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	0.8
-4.7	1.4	-0.6	60.0	-4.2	10.0	5.2	1.5
-4.8	1.4	-2.2	36.4	-4.2	10.0	-2.4	1.0
-4.2	8.0	-9.0	-60.1	NA	NA	NA	1.8
-4.1	3.1	-0.1	-61.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.0
-4.1	5.1	-1.2	36.1	NA	NA	NA	0.5
-4.1	6.6	-1.8	-86.2	NA	NA	NA	1.7
-6.3	0.5	0.9	-16.6	NA	NA	NA	1.0
-6.9	0.9	-5.2	56.7	NA	NA	NA	1.6
-6.6	0.7	-3.5	54.5	NA	NA	NA	1.6
NA	NA	3.2	NA	NA	NA	NA	1.4
-6.3	1.6	0.8	-13.6	-4.3	10.0	0.4	0.8
-6.4	8.0	-3.4	31.8	-5.5	0.9	-10.9	1.7
-6.4	8.0	-1.1	26.1	-4.8	5.1	-1.9	1.3
NA	NA	5.6	NA	NA	NA	NA	2.0
NA	NA	-1.8	NA	NA	NA	NA	1.3
-7.0	5.4	1.3	81.6	-6.3	2.1	-5.9	1.0
-7.0	7.3	0.3	69.2	-6.4	1.5	-2.2	1.0
NA	NA	1.4	NA	NA	NA	NA	1.5
NA	NA	-2.1	NA	NA	NA	NA	0.8
-4.3	2.2	-0.1	65.6	NA	NA	NA	1.1



ga	gw	zr	tp	la	lw	bt	er
-4.3	2.2	0.8	63.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.0
-4.6	6.7	0.4	-26.8	NA	NA	NA	1.0
-4.6	8.0	1.0	73.8	-4.1	1.6	17.0	1.1
-4.2	4.7	0.6	91.2	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.4
-4.3	3.8	-0.3	39.0	NA	NA	NA	1.0
-4.4	3.5	-0.6	36.0	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.8
NA	NA	-0.4	NA	NA	NA	NA	0.8
-4.5	3.3	0.1	40.9	NA	NA	NA	1.0
-4.6	3.6	-0.6	25.8	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	1.0
-4.4	5.1	-0.3	49.7	NA	NA	NA	1.0
-4.2	2.6	-0.8	32.4	NA	NA	NA	1.0
NA	NA	6.8	NA	NA	NA	NA	2.0
-4.8	2.3	1.2	-17.7	NA	NA	NA	1.0
-4.5	1.1	-4.3	92.5	NA	NA	NA	1.4
-4.5	1.3	-1.8	82.0	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	1.2
NA	NA	-0.9	NA	NA	NA	NA	0.9
-4.3	3.4	-0.5	74.1	NA	NA	NA	1.3
-4.4	2.6	0.0	58.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.7	6.9	0.8	-21.0	NA	NA	NA	1.0
-4.9	8.0	0.2	24.1	NA	NA	NA	1.2
-4.5	3.6	-0.1	43.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	-0.8	NA	NA	NA	NA	0.8
NA	NA	0.6	NA	NA	NA	NA	1.4
-4.3	2.9	0.6	54.6	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	1.4
NA	NA	2.2	NA	NA	NA	NA	1.7
-4.9	0.8	6.1	47.8	NA	NA	NA	2.4
-4.1	2.8	1.8	36.4	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.9
NA	NA	1.0	NA	NA	NA	NA	0.7
-4.6	7.9	0.4	20.5	NA	NA	NA	1.0
-4.6	7.5	-0.8	25.3	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.9	4.2	-3.7	42.8	-4.4	10.0	-125.6	1.6
-4.9	3.5	-1.5	34.3	-4.4	10.0	-57.3	1.2
-4.3	7.9	1.0	-50.8	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.2	2.3	0.4	-42.9	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.8
-4.1	8.0	-0.3	27.0	NA	NA	NA	0.5
NA	NA	-0.4	NA	NA	NA	NA	2.2
-4.5	4.9	-1.2	-34.8	NA	NA	NA	1.0
NA	NA	5.7	NA	NA	NA	NA	2.3
-4.7	3.5	3.6	36.1	NA	NA	NA	2.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.4	1.5	-2.7	-30.5	NA	NA	NA	1.0
-4.3	2.1	1.8	84.6	NA	NA	NA	1.6
-4.3	2.3	2.2	96.5	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	1.4
-4.7	3.6	0.0	-14.6	NA	NA	NA	1.0
-5.0	4.3	-0.3	43.3	NA	NA	NA	1.7
-4.6	2.9	0.4	53.5	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.1	6.7	1.3	73.7	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	0.8
NA	NA	-1.3	NA	NA	NA	NA	1.6
-4.6	3.3	0.1	-20.7	NA	NA	NA	1.1
-4.4	1.5	3.7	37.8	NA	NA	NA	1.7
-4.5	3.0	1.6	42.0	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.1
NA	NA	-3.6	NA	NA	NA	NA	1.4
-4.2	7.9	-3.1	46.0	NA	NA	NA	1.3
-4.2	8.0	-0.7	54.6	NA	NA	NA	1.0
NA	NA	-3.5	NA	NA	NA	NA	1.2
-4.8	3.3	-4.0	-27.5	NA	NA	NA	1.4
-4.5	4.1	-1.0	57.0	NA	NA	NA	0.5
-4.6	2.8	0.1	65.1	NA	NA	NA	0.4
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.8	2.0	0.2	-14.6	NA	NA	NA	0.8
-4.4	1.2	0.1	36.0	NA	NA	NA	1.6
-4.4	1.4	1.2	43.1	NA	NA	NA	1.0
NA	NA	-4.3	NA	NA	NA	NA	1.9
NA	NA	-2.8	NA	NA	NA	NA	0.9
NA	NA	-0.7	NA	NA	NA	NA	2.1
-4.9	2.0	2.2	33.2	-4.1	3.4	-6.8	1.0
NA	NA	2.1	NA	NA	NA	NA	1.2
NA	NA	-1.9	NA	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.7
-4.6	2.4	-0.7	38.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.9
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.3	8.0	-1.8	68.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.2	3.1	0.7	70.4	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.7
-4.9	1.7	0.2	-27.5	NA	NA	NA	1.5
-5.0	1.5	-0.4	50.8	-4.2	2.9	3.8	1.9
-5.1	3.0	0.5	36.8	NA	NA	NA	1.9
NA	NA	0.7	NA	NA	NA	NA	1.4
NA	NA	0.9	NA	NA	NA	NA	1.0
-4.7	8.0	-0.1	31.3	-4.3	9.8	-117.6	1.7
-4.1	8.0	0.4	-62.4	NA	NA	NA	1.0
-4.2	2.1	-0.6	-80.9	NA	NA	NA	1.2
-4.9	4.0	1.4	-14.9	NA	NA	NA	1.0
-5.1	7.8	-0.4	31.1	NA	NA	NA	1.0
-5.1	8.0	0.0	30.8	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.5	3.8	0.8	54.3	NA	NA	NA	1.0
-4.5	8.0	0.5	43.5	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.1
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.3	5.0	0.0	61.1	NA	NA	NA	1.7
-4.3	8.0	0.9	41.3	NA	NA	NA	1.3
NA	NA	4.9	NA	NA	NA	NA	2.0
-4.3	8.0	-0.3	-14.5	NA	NA	NA	1.0
-4.2	6.2	-0.3	60.1	NA	NA	NA	1.0
-4.2	8.0	0.0	51.4	NA	NA	NA	0.5
NA	NA	2.8	NA	NA	NA	NA	1.4
NA	NA	3.2	NA	NA	NA	NA	1.4
-6.8	8.0	-1.2	-30.8	-4.2	0.7	126.6	1.8
-4.2	2.2	-6.1	117.5	NA	NA	NA	1.8
NA	NA	1.6	NA	NA	NA	NA	1.7
NA	NA	-1.4	NA	NA	NA	NA	0.7
-4.2	8.0	-0.2	58.0	NA	NA	NA	1.0
-4.2	8.0	0.5	41.4	NA	NA	NA	0.5
NA	NA	0.7	NA	NA	NA	NA	2.1
-4.7	1.4	-0.2	-36.8	NA	NA	NA	1.0
-5.7	4.3	-0.7	14.1	-4.3	9.9	-22.7	1.0
-5.4	1.4	-1.2	20.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.8	4.9	-0.7	-16.7	NA	NA	NA	1.0
-5.0	8.0	-0.4	18.2	NA	NA	NA	1.4
-4.9	3.5	0.5	33.9	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.8
NA	NA	-4.8	NA	NA	NA	NA	1.5
-4.3	1.6	7.5	62.9	NA	NA	NA	2.3
-4.3	1.2	3.5	70.6	NA	NA	NA	1.8
NA	NA	-8.4	NA	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.6	NA	NA	NA	NA	1.1
-4.5	1.0	0.1	49.5	NA	NA	NA	0.5
-4.5	1.2	-0.3	31.5	NA	NA	NA	0.4
NA	NA	0.6	NA	NA	NA	NA	2.1
-4.7	1.7	0.5	-89.2	NA	NA	NA	1.2
-5.3	2.0	1.9	40.5	-4.7	10.0	-29.1	1.1
-4.6	1.1	1.1	95.6	NA	NA	NA	1.2
-4.7	6.0	0.7	-90.5	NA	NA	NA	1.0
-4.1	8.0	-0.5	-25.6	NA	NA	NA	1.1
-4.6	1.4	-3.1	89.3	-4.0	10.0	13.6	1.8
-4.8	1.8	-1.3	39.7	NA	NA	NA	1.0
-4.1	7.5	0.0	-78.0	NA	NA	NA	1.2
-4.2	8.0	0.1	-86.7	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.6
-4.3	8.0	-0.6	123.5	NA	NA	NA	1.0
-4.4	4.2	-6.2	-99.5	NA	NA	NA	2.1
-4.6	8.0	-1.4	-84.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	8.0	0.3	177.5	NA	NA	NA	0.4
-4.6	8.0	0.2	-97.5	NA	NA	NA	1.4
-4.2	8.0	-0.3	-72.8	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.2
-4.2	7.0	-0.6	125.5	NA	NA	NA	0.9
-4.4	2.1	-7.6	-99.2	NA	NA	NA	1.8
-4.2	6.2	0.6	-99.6	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	7.5	-0.1	36.6	NA	NA	NA	0.3
-4.3	8.0	2.3	-96.7	NA	NA	NA	1.6
-4.4	8.0	1.9	-76.4	NA	NA	NA	1.0
-4.4	7.8	1.1	-20.7	NA	NA	NA	1.0
-4.0	4.3	-1.0	113.7	NA	NA	NA	1.0
-4.2	2.6	0.8	-122.9	NA	NA	NA	2.0
-4.7	1.9	-0.9	-67.8	NA	NA	NA	1.3
-5.0	8.0	-0.6	107.0	-4.7	10.0	-30.4	1.1
-4.9	3.2	-0.4	135.8	-4.7	10.0	7.8	1.6
-4.5	7.8	0.5	-97.3	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.0
-5.5	2.3	1.8	56.1	-4.3	5.0	-21.7	1.7
-5.5	2.1	0.5	25.7	-4.5	5.0	-27.4	1.1
-5.4	8.0	0.9	-54.9	NA	NA	NA	1.4
-5.4	3.8	2.0	-34.7	NA	NA	NA	1.0
-6.0	7.2	0.1	65.9	-5.5	10.0	4.2	1.0
-6.0	8.0	-0.7	48.2	-5.5	4.7	19.5	0.9
-5.5	8.0	-3.1	-61.9	NA	NA	NA	1.6
-4.9	3.2	1.3	-68.6	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.8	8.0	-0.2	16.5	NA	NA	NA	0.3
-4.8	7.1	-1.0	-95.5	NA	NA	NA	2.0
-4.8	2.7	0.8	-30.0	NA	NA	NA	1.0
-5.3	4.7	-0.4	52.1	-4.7	8.9	-29.3	1.7
-5.2	4.6	-0.4	50.8	-4.7	10.0	-11.8	1.4
NA	NA	4.0	NA	NA	NA	NA	1.6
NA	NA	0.3	NA	NA	NA	NA	0.9
-5.7	1.2	-2.8	47.0	-4.1	3.0	4.6	1.6
-6.0	1.4	-1.4	20.8	-4.0	10.0	-7.3	1.1
NA	NA	-3.1	NA	NA	NA	NA	2.2
-5.2	1.7	1.0	-27.9	NA	NA	NA	1.0
-5.7	7.2	0.4	41.8	-5.3	4.2	3.7	1.0
-5.7	4.4	-0.2	35.5	-5.3	10.0	13.6	0.9
-5.4	8.0	1.4	-76.7	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.6	1.7	1.7	87.0	NA	NA	NA	1.3
-4.8	1.6	-0.9	54.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.6	3.0	1.2	-102.2	NA	NA	NA	1.0
-4.5	3.0	-1.4	-37.6	NA	NA	NA	1.2
-4.6	5.9	-1.4	39.1	NA	NA	NA	1.0
-4.5	4.8	-0.3	-108.5	NA	NA	NA	1.3
-4.6	1.6	0.6	-69.4	NA	NA	NA	1.0
-5.1	4.7	0.2	29.3	-4.6	4.7	-37.4	1.3
-5.0	8.0	-0.2	54.7	NA	NA	NA	1.0
-4.6	7.9	0.4	-61.5	NA	NA	NA	1.0
-4.5	2.9	1.2	-93.4	NA	NA	NA	1.0
-4.5	2.7	0.9	-22.0	NA	NA	NA	1.0
-4.4	4.7	0.2	78.3	NA	NA	NA	1.0
-4.4	4.7	-0.4	-98.5	NA	NA	NA	1.5
-5.4	2.6	-5.9	-76.5	NA	NA	NA	1.2
-8.3	3.1	1.8	31.6	-5.7	4.3	-19.7	1.0
-4.7	1.2	12.2	169.4	NA	NA	NA	2.5
-5.8	1.5	-3.9	-98.6	NA	NA	NA	1.5
NA	NA	-0.4	NA	NA	NA	NA	1.1
-4.7	3.1	-1.1	37.4	NA	NA	NA	1.5
-4.6	1.8	-0.2	36.6	NA	NA	NA	1.0
NA	NA	-4.5	NA	NA	NA	NA	1.5
-6.2	2.2	-0.3	-12.3	NA	NA	NA	1.0
-5.5	1.8	-0.1	31.3	NA	NA	NA	1.4
-5.7	0.8	-0.5	30.1	NA	NA	NA	1.0
NA	NA	-10.3	NA	NA	NA	NA	2.2
NA	NA	-3.3	NA	NA	NA	NA	1.2
-6.9	5.5	0.4	50.0	-5.5	0.7	28.9	1.0
-6.9	5.9	0.3	38.0	-5.1	0.5	17.9	1.0
-5.8	1.8	-1.8	-25.8	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.6	0.8	2.4	-17.2	NA	NA	NA	1.0
-5.2	6.2	0.6	39.7	-4.6	2.2	11.7	1.8
-5.3	6.5	-1.1	27.0	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.3
-5.3	0.8	-0.6	-30.1	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-5.3	1.1	0.8	18.1	NA	NA	NA	1.0
NA	NA	-3.8	NA	NA	NA	NA	1.5
-5.1	8.0	-2.9	-29.4	NA	NA	NA	1.2
-5.3	1.3	0.7	92.4	NA	NA	NA	1.4
-5.0	1.2	0.8	108.7	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.2
NA	NA	-2.5	NA	NA	NA	NA	0.9
-4.6	1.8	0.6	71.5	NA	NA	NA	1.4
-4.5	1.4	1.2	76.7	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.9
NA	NA	0.1	NA	NA	NA	NA	1.2
-5.3	1.7	0.8	70.0	NA	NA	NA	1.5
-5.5	1.4	1.1	45.6	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.4
-4.8	1.1	-0.5	-45.5	NA	NA	NA	1.0
-4.8	0.7	-1.5	80.1	-4.6	10.0	3.6	1.6
-4.9	1.0	-0.1	84.4	-4.6	10.0	13.0	1.3
NA	NA	0.3	NA	NA	NA	NA	1.5
NA	NA	-1.0	NA	NA	NA	NA	1.3
-4.4	3.8	1.0	73.3	NA	NA	NA	1.6
-4.5	3.1	0.7	72.8	NA	NA	NA	1.0
NA	NA	-4.2	NA	NA	NA	NA	1.9
NA	NA	-0.6	NA	NA	NA	NA	0.6
-4.8	4.7	1.0	53.0	NA	NA	NA	1.0
-4.9	8.0	0.6	35.7	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.8
-5.0	2.5	0.8	91.9	-4.3	9.7	36.5	1.3
-4.9	1.8	-0.2	40.1	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.4
-5.6	8.0	0.4	-15.3	NA	NA	NA	1.0
-5.7	1.0	0.8	61.3	-4.8	3.2	33.3	1.5
-5.5	2.0	2.6	48.3	-4.9	3.3	19.5	1.0
NA	NA	3.5	NA	NA	NA	NA	1.7
NA	NA	0.2	NA	NA	NA	NA	0.9
-4.8	3.4	0.7	37.0	NA	NA	NA	1.0
-4.7	3.5	0.0	33.5	NA	NA	NA	0.5
NA	NA	-2.5	NA	NA	NA	NA	2.0
-4.5	2.7	0.5	-35.2	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.1

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.2	-0.6	23.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	2.0
-4.3	2.8	-0.5	-52.1	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.5
-4.3	8.0	-0.2	18.6	NA	NA	NA	0.5
NA	NA	-8.8	NA	NA	NA	NA	2.1
-4.9	0.7	0.5	-31.2	NA	NA	NA	1.0
-4.9	2.5	0.2	76.7	NA	NA	NA	1.0
-4.8	1.7	-0.2	105.3	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.1
-4.4	6.9	-0.1	-76.3	NA	NA	NA	1.2
-5.4	1.2	-1.2	33.5	-4.7	10.0	-151.9	1.4
-5.3	2.1	-1.0	28.2	-4.8	10.0	-35.5	1.0
-4.8	5.7	1.7	-99.8	NA	NA	NA	1.2
-4.5	2.8	-2.7	-102.3	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.4	5.4	0.2	86.1	NA	NA	NA	0.5
-4.7	8.0	4.0	-87.2	NA	NA	NA	1.7
NA	NA	0.5	NA	NA	NA	NA	0.4
-4.5	5.4	0.0	36.0	NA	NA	NA	1.5
NA	NA	0.8	NA	NA	NA	NA	1.1
NA	NA	1.9	NA	NA	NA	NA	1.4
-4.4	2.8	-1.3	-23.2	NA	NA	NA	1.0
-4.6	3.0	0.5	38.3	NA	NA	NA	1.0
-4.5	2.6	0.7	51.2	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.3	6.6	0.3	-15.4	NA	NA	NA	1.0
-4.1	1.0	0.7	131.1	NA	NA	NA	1.0
-4.1	1.2	0.3	124.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	2.0
-5.0	2.3	-1.4	-79.8	NA	NA	NA	1.0
-5.9	6.2	-0.7	19.7	-4.8	9.8	-36.7	1.3
-5.6	1.0	-0.2	28.6	NA	NA	NA	1.4
-4.9	3.2	0.7	-101.5	NA	NA	NA	1.4
-5.0	8.0	0.5	-80.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.9	8.0	-0.2	83.3	-4.1	10.0	67.3	0.4
-5.0	8.0	1.2	-97.3	NA	NA	NA	1.0
-6.4	3.9	0.9	-19.8	NA	NA	NA	1.0
-5.6	8.0	-0.4	-27.2	-4.7	9.8	73.2	2.0
NA	NA	-0.5	NA	NA	NA	NA	2.0
NA	NA	1.1	NA	NA	NA	NA	1.9
NA	NA	0.9	NA	NA	NA	NA	1.3
-4.8	1.6	1.3	71.3	NA	NA	NA	1.6
-4.9	1.8	-1.1	60.8	NA	NA	NA	1.0
NA	NA	3.2	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-2.3	NA	NA	NA	NA	1.2
-6.6	4.3	0.5	28.2	NA	NA	NA	1.0
-6.5	3.7	0.7	24.7	NA	NA	NA	0.9
-6.3	8.0	2.6	-40.1	-5.1	10.0	3.9	1.7
-5.5	7.8	-2.7	-16.4	NA	NA	NA	1.0
-4.9	1.5	-1.7	57.0	NA	NA	NA	1.3
-4.7	2.0	0.7	67.5	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.5	1.3	0.7	155.7	NA	NA	NA	1.8
-4.3	0.9	1.0	92.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.4
-4.8	2.1	-1.0	11.1	NA	NA	NA	1.1
-4.5	1.1	-1.9	78.7	NA	NA	NA	1.0
-4.6	1.9	-0.6	39.8	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.7
NA	NA	-3.4	NA	NA	NA	NA	0.8
-4.6	1.8	-1.0	44.8	NA	NA	NA	1.0
-4.7	1.3	0.6	23.2	NA	NA	NA	0.9
NA	NA	-2.1	NA	NA	NA	NA	1.7
-5.1	3.9	0.3	8.2	NA	NA	NA	1.0
-4.5	2.6	-1.2	41.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.7
NA	NA	0.2	NA	NA	NA	NA	1.8
NA	NA	0.1	NA	NA	NA	NA	0.8
-5.2	1.4	-1.6	33.1	NA	NA	NA	1.0
-5.1	1.1	-1.4	26.1	NA	NA	NA	1.0
NA	NA	-4.2	NA	NA	NA	NA	1.6
-6.0	1.1	1.8	-25.6	NA	NA	NA	1.5
-6.1	1.8	-2.7	62.1	-4.8	7.3	-23.1	2.0
-5.6	0.9	-3.7	99.5	-4.8	10.0	1.9	2.0
NA	NA	0.9	NA	NA	NA	NA	1.5
-4.8	8.0	0.5	-23.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.7	8.0	-0.5	49.5	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.6
-6.4	3.0	0.6	-31.5	NA	NA	NA	1.5
-6.6	8.0	1.8	67.0	-4.7	7.4	-15.0	1.7
-6.4	4.3	0.6	82.1	-4.6	10.0	2.8	1.7
-4.2	8.0	1.4	-62.1	NA	NA	NA	1.4
-4.1	8.0	2.1	101.3	NA	NA	NA	1.9
-4.6	3.1	1.5	63.3	-4.2	10.0	-96.9	2.0
-5.0	8.0	-1.0	27.7	-4.2	9.7	-52.8	1.4
-4.2	0.6	-0.4	-113.3	NA	NA	NA	2.2
-4.2	8.0	-0.5	50.5	NA	NA	NA	1.4
-4.2	3.7	1.5	56.7	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.6	5.3	1.6	34.8	-4.3	4.9	0.1	1.0
NA	NA	1.2	NA	NA	NA	NA	2.4
NA	NA	-1.2	NA	NA	NA	NA	1.0
-6.3	1.6	-0.7	35.7	-5.6	10.0	1.8	1.0
-6.2	1.6	0.1	30.7	-5.6	7.7	0.1	0.9
NA	NA	-5.9	NA	NA	NA	NA	1.8
-4.5	1.8	1.5	-49.1	NA	NA	NA	1.4
-5.1	1.3	0.1	37.2	NA	NA	NA	1.5
-4.5	1.0	-1.2	95.1	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.4
-4.6	8.0	0.3	-22.4	NA	NA	NA	1.0
-4.9	8.0	-0.2	35.3	-4.4	2.2	-6.8	1.0
-4.7	6.2	0.1	25.2	NA	NA	NA	1.0
-4.5	3.2	3.4	-87.1	NA	NA	NA	1.6
-4.6	4.4	0.5	-14.3	NA	NA	NA	1.0
-5.0	4.2	-1.9	26.1	NA	NA	NA	1.5
-4.6	1.6	-1.9	37.2	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.0
-4.7	1.2	-0.5	-56.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.5
-4.8	4.4	0.1	28.0	-4.2	10.0	-2.5	1.0
NA	NA	1.3	NA	NA	NA	NA	1.5
-5.4	2.4	-0.4	-16.6	NA	NA	NA	1.0
-5.3	1.1	0.3	56.9	NA	NA	NA	2.0
-4.6	0.8	0.5	79.7	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.3
-4.2	3.8	0.0	-43.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	4.0	0.1	25.5	NA	NA	NA	0.9
-4.2	8.0	0.7	-93.1	NA	NA	NA	1.9
-5.4	1.0	3.5	-17.3	NA	NA	NA	1.5
-5.6	0.9	3.1	76.2	-4.1	10.0	19.3	2.0
-5.0	1.1	2.8	91.6	-4.3	8.8	44.2	1.6
NA	NA	-5.1	NA	NA	NA	NA	1.6
-4.2	7.0	0.8	-91.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	5.1	0.1	44.5	NA	NA	NA	0.4
NA	NA	-1.1	NA	NA	NA	NA	1.6
-4.4	8.0	0.5	-43.5	NA	NA	NA	1.0
-4.7	5.0	0.8	25.5	-4.1	9.9	-6.4	0.5
-4.4	1.6	0.1	40.6	NA	NA	NA	0.9
-4.2	8.0	-1.7	-68.8	NA	NA	NA	1.8
-4.2	0.9	-0.8	-100.0	NA	NA	NA	1.0
-5.1	1.8	1.7	79.3	-4.5	9.9	0.9	1.5
-5.1	2.2	1.0	81.3	-4.4	7.9	29.5	1.0
-4.4	8.0	-2.1	-99.6	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.1	8.0	1.8	-74.2	NA	NA	NA	1.0
-4.9	8.0	-0.4	25.5	-4.5	10.0	-152.6	1.7
-4.5	8.0	-0.9	-49.1	-4.1	10.0	-9.8	0.9
-4.1	4.9	0.4	-134.4	NA	NA	NA	1.6
-4.2	8.0	0.7	-85.8	NA	NA	NA	1.1
-4.2	3.8	0.3	-34.7	NA	NA	NA	1.0
-4.2	8.0	-1.0	102.0	NA	NA	NA	1.0
-4.3	2.1	-2.9	-122.7	NA	NA	NA	1.9
-4.2	6.6	0.7	-113.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.0	0.0	92.5	NA	NA	NA	0.4
-4.6	2.7	0.3	-100.7	NA	NA	NA	1.0
-4.2	7.4	0.5	-91.7	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.5	165.5	NA	NA	NA	0.9
-4.4	8.0	0.5	-96.2	NA	NA	NA	2.0
-4.3	3.4	1.0	-87.7	NA	NA	NA	1.0
-4.7	2.3	0.5	21.0	-4.1	10.0	-18.8	0.5
-4.7	5.7	0.1	11.3	NA	NA	NA	0.3
-4.2	3.7	0.6	-133.7	NA	NA	NA	1.0
-4.1	8.0	1.1	-91.8	NA	NA	NA	1.2
-5.3	5.8	-1.2	4.8	-4.2	4.3	-27.8	1.0
-4.1	8.0	-1.1	147.3	NA	NA	NA	1.0
-4.2	8.0	6.5	-104.8	NA	NA	NA	1.9
-5.0	1.9	-4.3	-61.9	NA	NA	NA	1.5
-5.0	2.5	-2.0	86.3	-4.7	9.9	41.3	1.2
-4.9	2.4	0.0	138.9	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.4
-4.5	2.3	3.3	-35.6	NA	NA	NA	1.7
-5.6	2.7	-2.2	24.4	-4.4	5.6	-7.8	1.5
-4.6	1.6	-2.7	66.0	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	2.1
-4.5	1.9	0.1	-37.3	NA	NA	NA	1.0
-5.1	2.4	-0.1	38.1	NA	NA	NA	1.0
-4.8	1.9	-0.4	56.1	NA	NA	NA	0.9
NA	NA	-1.8	NA	NA	NA	NA	2.0
-4.1	8.0	-1.0	24.4	NA	NA	NA	0.9
-4.7	1.4	2.1	62.3	NA	NA	NA	1.9
-4.6	5.9	1.1	28.9	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.6
-4.2	8.0	3.3	-37.3	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	8.0	-0.7	75.9	-4.2	10.0	19.7	0.9
NA	NA	-7.8	NA	NA	NA	NA	2.1
-4.5	2.1	-0.5	-40.2	NA	NA	NA	1.0
-4.8	2.5	0.5	89.8	-4.3	9.9	14.9	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.8	2.9	0.5	84.7	-4.3	9.6	27.9	1.0
NA	NA	-2.2	NA	NA	NA	NA	2.2
-4.6	4.6	0.2	-73.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	5.1	0.1	39.6	NA	NA	NA	0.4
-4.6	8.0	-0.6	-81.4	NA	NA	NA	1.0
-4.7	3.6	2.8	-23.7	NA	NA	NA	1.3
-5.1	3.9	-0.7	46.9	NA	NA	NA	1.8
-4.7	2.9	-1.7	78.3	NA	NA	NA	1.3
NA	NA	3.6	NA	NA	NA	NA	2.0
-5.1	8.0	1.4	-9.1	NA	NA	NA	1.0
-4.8	8.0	0.2	39.2	NA	NA	NA	0.5
-4.8	7.3	0.0	33.2	NA	NA	NA	0.4
NA	NA	2.5	NA	NA	NA	NA	1.1
NA	NA	-4.5	NA	NA	NA	NA	1.3
-4.8	8.0	2.6	36.6	NA	NA	NA	1.6
-4.8	8.0	4.9	33.0	NA	NA	NA	1.7
NA	NA	0.3	NA	NA	NA	NA	0.9
-4.5	2.7	1.0	-24.6	NA	NA	NA	1.0
-5.1	1.9	-0.6	69.8	-4.4	4.9	44.4	1.0
-5.0	2.3	-0.7	53.6	-4.4	10.0	29.8	1.0
NA	NA	0.3	NA	NA	NA	NA	1.6
NA	NA	0.5	NA	NA	NA	NA	1.0
-4.2	2.4	4.0	73.9	NA	NA	NA	2.0
-4.1	7.9	0.5	40.4	NA	NA	NA	1.1
NA	NA	-7.0	NA	NA	NA	NA	2.1
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.3	1.7	0.0	76.0	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	1.3
NA	NA	1.4	NA	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.6
-4.8	3.3	0.4	31.6	NA	NA	NA	1.4
-4.6	3.1	1.0	23.5	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
NA	NA	-1.7	NA	NA	NA	NA	0.9
-4.4	1.7	-1.4	91.8	NA	NA	NA	1.7
-4.2	2.1	0.6	73.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.7
-4.6	1.9	-0.5	-52.3	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
-4.7	1.1	0.7	23.5	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	1.4
-6.0	2.1	-2.7	69.6	-4.5	3.1	-185.7	1.9
-5.8	2.4	0.3	71.8	-4.7	1.5	-63.3	1.2
-4.4	1.3	2.4	-105.0	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.2	4.3	1.0	-30.8	NA	NA	NA	1.0
-4.2	8.0	-0.3	32.7	NA	NA	NA	1.0
-4.2	8.0	-0.6	54.1	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.7
-4.3	2.1	0.0	-92.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	6.6	-0.1	61.8	NA	NA	NA	0.4
-4.6	3.8	0.5	-71.3	NA	NA	NA	1.0
-4.6	2.5	-1.1	-45.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.2
-4.3	2.8	0.1	43.4	NA	NA	NA	0.9
-4.5	5.2	-0.1	-92.5	NA	NA	NA	1.0
-4.5	2.1	0.6	-51.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	4.1	-0.1	23.6	NA	NA	NA	0.3
NA	NA	0.2	NA	NA	NA	NA	1.3
-4.5	1.8	-0.3	-45.7	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	0.7
-4.2	1.9	0.7	40.4	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.6
NA	NA	-1.2	NA	NA	NA	NA	1.0
-5.0	2.2	1.1	110.5	-4.4	5.2	-44.7	1.8
-5.0	1.6	4.5	72.1	-4.4	9.2	-27.9	1.8
-4.7	0.6	1.1	-39.0	NA	NA	NA	1.6
-4.9	7.2	-0.6	-20.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.2
-4.7	8.0	0.4	16.0	NA	NA	NA	0.9
NA	NA	-2.8	NA	NA	NA	NA	1.6
-4.5	4.4	0.9	-32.9	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	0.3
-4.4	3.3	0.5	30.1	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.9
-4.2	5.9	-3.5	-20.9	NA	NA	NA	1.0
-4.3	2.8	1.0	66.8	NA	NA	NA	1.4
-4.2	3.4	2.1	88.8	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.4
-5.5	3.7	-0.7	-14.6	-4.0	10.0	5.3	0.9
-5.4	1.8	0.4	95.2	-4.6	4.2	45.1	2.0
-5.5	2.7	0.8	64.8	-4.2	2.3	14.6	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.5
NA	NA	-0.4	NA	NA	NA	NA	1.3
-5.2	4.6	1.5	73.0	-4.3	2.6	24.7	1.7
-5.2	3.6	0.6	67.6	-4.6	2.6	30.2	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.5
NA	NA	-1.2	NA	NA	NA	NA	1.0
-5.3	2.0	0.8	63.4	-4.3	10.0	14.1	2.1

ga	gw	zr	tp	la	lw	bt	er
-5.2	2.1	0.9	57.8	-4.3	6.8	10.1	1.4
NA	NA	-0.8	NA	NA	NA	NA	1.3
-5.4	2.2	-2.1	-25.1	NA	NA	NA	1.4
-5.2	1.2	-3.0	103.7	-4.4	10.0	66.9	1.1
-5.1	1.4	-1.0	105.5	-4.4	10.0	28.7	1.0
NA	NA	-1.5	NA	NA	NA	NA	0.9
-4.4	8.0	2.2	-91.1	NA	NA	NA	1.4
-4.4	8.0	2.4	-26.7	NA	NA	NA	1.0
-4.4	7.5	-0.2	45.1	NA	NA	NA	1.0
-4.6	8.0	7.7	-101.5	NA	NA	NA	1.8
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.6	8.0	-4.1	28.6	NA	NA	NA	2.0
-4.3	3.2	-2.4	36.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.7
-4.7	2.8	0.7	-21.7	NA	NA	NA	1.0
-4.8	1.6	1.2	24.9	NA	NA	NA	1.0
-4.5	1.2	0.0	42.2	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.6
-4.3	2.7	-0.5	59.5	NA	NA	NA	1.2
-4.2	3.2	-0.3	62.1	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.8
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.2	7.9	-4.8	61.7	NA	NA	NA	1.6
-4.2	2.7	-1.7	52.4	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.1
-4.8	0.7	0.1	-27.4	NA	NA	NA	1.1
-4.5	4.2	-0.6	70.8	NA	NA	NA	1.0
-4.6	2.8	-0.7	80.3	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.0
-5.1	5.6	-0.1	-21.0	NA	NA	NA	1.3
-4.9	2.3	-1.3	54.5	NA	NA	NA	1.2
-5.0	3.2	-0.5	40.2	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.7
-6.0	3.1	0.8	15.3	NA	NA	NA	1.0
-4.6	1.0	-1.3	79.1	NA	NA	NA	1.9
NA	NA	0.5	NA	NA	NA	NA	1.3
NA	NA	-1.1	NA	NA	NA	NA	1.0
NA	NA	2.7	NA	NA	NA	NA	1.4
-4.6	1.0	3.0	68.2	NA	NA	NA	1.6
-4.6	4.3	1.5	35.0	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.5
-4.4	1.7	0.2	-59.4	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.2
-5.4	8.0	0.4	10.2	NA	NA	NA	1.1
NA	NA	1.0	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.4	0.1	-31.6	NA	NA	NA	1.0
-4.9	0.9	-4.2	32.9	NA	NA	NA	2.3
-4.7	1.7	-1.5	63.0	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.4
-4.8	1.1	0.9	-65.3	NA	NA	NA	1.0
-6.0	6.2	1.6	28.1	-5.4	3.9	-36.1	1.4
-6.0	5.2	0.9	38.7	-5.5	10.0	-5.2	1.0
-4.2	4.2	1.8	-78.8	NA	NA	NA	1.0
-4.1	7.0	0.9	-61.8	NA	NA	NA	1.0
-5.8	2.1	-0.1	65.9	-4.9	1.6	-206.3	1.8
-5.7	3.2	-1.5	33.5	-5.1	10.0	-46.4	1.1
-4.6	1.4	1.4	-119.5	NA	NA	NA	1.3
-4.7	2.5	1.5	-77.0	NA	NA	NA	1.0
-5.3	3.0	0.5	-3.2	NA	NA	NA	0.5
-4.5	1.8	-0.1	60.6	NA	NA	NA	0.4
-5.0	0.8	-0.1	-112.2	NA	NA	NA	1.5
-4.7	3.2	2.9	-48.9	NA	NA	NA	1.3
-5.8	2.7	0.4	20.5	-5.2	7.0	3.5	1.0
-4.7	5.7	-0.5	52.9	NA	NA	NA	0.9
NA	NA	-1.8	NA	NA	NA	NA	2.1
-4.8	1.4	-1.0	-43.0	NA	NA	NA	1.0
-5.5	1.8	-0.5	15.4	-4.6	9.5	-7.9	1.0
-5.3	2.9	0.3	25.0	-4.6	9.9	2.2	1.0
NA	NA	-6.3	NA	NA	NA	NA	1.6
-5.4	1.8	1.6	-27.4	NA	NA	NA	1.0
-5.4	1.6	-2.5	56.7	NA	NA	NA	1.5
-5.2	1.5	-1.5	66.2	NA	NA	NA	1.3
NA	NA	-1.2	NA	NA	NA	NA	1.1
NA	NA	1.2	NA	NA	NA	NA	0.7
-4.8	3.3	-2.8	26.6	NA	NA	NA	1.6
-4.5	4.3	-1.6	51.3	-4.3	10.0	3.7	1.1
NA	NA	0.0	NA	NA	NA	NA	1.8
-4.2	8.0	1.2	-57.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	6.0	0.0	15.3	NA	NA	NA	0.4
-4.4	1.2	1.1	-53.7	NA	NA	NA	1.1
-4.4	1.6	0.0	-74.9	NA	NA	NA	1.0
-5.9	8.0	0.6	32.2	-5.1	3.8	-33.2	1.3
-5.3	1.0	-0.5	43.8	-5.0	9.8	-1.2	1.3
NA	NA	1.0	NA	NA	NA	NA	1.2
-4.2	8.0	-0.1	-48.7	NA	NA	NA	1.3
-5.7	2.3	2.5	61.8	-4.7	4.9	-195.5	2.3
-5.7	3.1	0.5	52.8	-5.4	4.6	-55.2	1.3
-4.9	1.9	3.5	-94.7	NA	NA	NA	1.5
-4.5	2.0	1.6	-70.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	-0.1	27.5	NA	NA	NA	0.4
-5.1	5.7	0.1	-57.2	NA	NA	NA	1.1
-4.5	1.2	-2.6	-60.7	NA	NA	NA	1.4
-6.0	4.6	1.1	26.8	-5.5	3.8	2.1	1.0
-4.2	3.0	2.2	48.3	NA	NA	NA	0.9
-5.9	2.7	8.9	-40.1	-4.9	2.9	35.4	2.0
-5.2	5.9	-1.6	-28.4	NA	NA	NA	1.1
-5.4	1.7	-0.6	27.4	-4.5	10.0	-8.7	1.0
-5.2	2.9	0.4	52.4	-4.6	10.0	6.3	1.0
NA	NA	-5.2	NA	NA	NA	NA	1.9
-4.7	0.8	2.9	-53.7	NA	NA	NA	1.2
-5.7	3.2	-2.3	49.1	-5.1	4.1	-27.5	1.2
-5.8	4.7	-1.8	35.3	-5.1	10.0	-7.2	1.2
-4.8	7.8	1.3	22.3	NA	NA	NA	1.2
-4.3	8.0	-2.2	24.3	NA	NA	NA	1.3
-5.7	2.1	-1.7	37.6	-4.1	2.2	-151.8	2.0
-5.7	1.8	-0.8	36.0	-4.3	4.8	-77.5	1.2
-4.2	2.5	2.0	-75.2	NA	NA	NA	1.4
-4.6	2.2	1.2	-57.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.9	3.9	-0.1	18.6	NA	NA	NA	0.4
-5.3	3.7	-1.7	-66.1	-4.7	10.0	-29.6	1.5
-4.3	2.8	0.8	-34.7	NA	NA	NA	1.0
-5.8	3.8	0.3	23.0	-4.8	4.2	2.5	1.0
-5.7	4.9	-0.1	19.5	-5.1	9.9	10.0	0.9
-5.2	3.9	-0.4	-53.7	-4.5	10.0	-2.6	1.8
-5.1	3.0	0.7	-30.8	-4.0	2.8	-7.9	0.5
-5.0	1.8	1.2	73.7	-4.4	10.0	2.7	1.0
-5.0	2.8	-0.2	78.7	-4.4	10.0	13.0	1.0
-5.0	7.0	2.5	-27.6	NA	NA	NA	2.1
NA	NA	1.7	NA	NA	NA	NA	0.9
-4.6	7.7	-4.9	32.3	NA	NA	NA	1.8
-4.4	8.0	-1.9	20.1	NA	NA	NA	1.1
NA	NA	-2.9	NA	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.1	5.3	-3.1	65.1	NA	NA	NA	1.4
-4.1	5.2	-1.2	38.9	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.5	3.0	2.2	89.1	-4.0	10.0	25.9	1.3
-4.4	1.8	-0.7	80.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.6	3.1	1.2	94.6	NA	NA	NA	1.0
-4.5	2.1	1.6	91.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.5	1.3	2.7	68.4	-4.2	10.0	10.2	2.0
-4.6	2.4	-0.1	46.3	-4.2	10.0	1.9	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
-4.5	8.0	0.8	-38.6	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.3
-4.4	1.8	-2.3	28.0	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.3
-4.6	3.7	-1.0	-75.7	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.3
-4.6	6.7	0.1	101.9	NA	NA	NA	1.0
-4.8	3.7	-1.2	-98.2	NA	NA	NA	1.2
-5.7	3.3	2.0	-80.8	NA	NA	NA	1.1
-6.0	4.5	-0.6	29.1	-5.6	8.5	-31.8	1.0
-4.5	1.2	-0.6	125.6	NA	NA	NA	1.3
-5.6	5.8	1.3	-92.8	NA	NA	NA	1.6
-6.2	2.0	3.2	-57.8	NA	NA	NA	1.6
-6.6	8.0	-2.7	98.7	-6.0	4.4	-186.8	2.9
-6.5	8.0	-3.7	84.0	-5.9	10.0	-0.7	2.5
-6.4	1.8	-1.8	-95.5	NA	NA	NA	1.9
-6.3	1.2	-0.8	32.7	-4.9	1.6	-80.0	1.3
-5.9	8.0	0.4	-9.3	NA	NA	NA	0.7
-4.6	5.2	-2.1	176.9	NA	NA	NA	1.3
-6.0	1.4	-1.7	-92.6	NA	NA	NA	1.8
-5.9	4.0	2.5	-81.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-5.5	2.1	-0.5	108.8	NA	NA	NA	0.9
-6.0	8.0	10.6	-99.7	NA	NA	NA	1.4
-5.3	1.2	1.3	-82.6	NA	NA	NA	1.3
-6.0	7.0	1.0	74.3	-5.5	10.0	1.9	1.0
-4.6	1.0	0.0	260.0	NA	NA	NA	1.9
-5.6	1.5	-2.3	-96.1	NA	NA	NA	2.0
-6.0	6.7	-0.2	-72.9	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	0.4
-4.7	0.8	-0.3	48.1	NA	NA	NA	0.3
-6.0	8.0	5.6	-100.8	NA	NA	NA	1.9
-5.6	2.3	3.8	-80.9	NA	NA	NA	1.4
-6.0	3.0	1.9	-13.1	NA	NA	NA	1.0
-4.5	0.9	-1.5	203.2	NA	NA	NA	1.5
-6.0	3.3	2.5	-101.7	NA	NA	NA	1.5
-4.3	2.2	0.0	-53.1	NA	NA	NA	1.0
-4.8	1.6	-0.1	13.1	NA	NA	NA	1.0
-4.4	3.3	0.3	60.8	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.4
-4.2	3.2	-2.6	-71.6	NA	NA	NA	1.0
-5.0	2.9	-0.5	27.5	-4.2	2.4	-15.5	1.1



ga	gw	zr	tp	la	lw	bt	er
-4.3	1.0	0.1	51.0	NA	NA	NA	1.1
-4.2	8.0	-1.2	-69.0	NA	NA	NA	1.4
-5.9	1.0	-2.6	-83.7	NA	NA	NA	1.4
-6.8	3.2	-1.7	71.5	-6.1	2.8	-31.9	1.3
-6.2	0.8	-3.4	99.1	-6.0	10.0	41.3	2.0
-5.4	2.7	1.4	-96.0	NA	NA	NA	1.7
-5.3	1.1	-3.0	-64.1	NA	NA	NA	1.4
-6.5	1.9	-2.6	23.4	-4.9	1.9	-168.5	1.9
-6.1	1.2	0.7	51.0	-5.3	9.9	-18.5	1.3
-5.3	2.9	-0.4	-87.3	NA	NA	NA	1.9
-4.8	3.6	-1.8	-53.2	NA	NA	NA	1.1
-6.5	4.5	-0.9	-7.0	NA	NA	NA	1.0
-4.7	4.6	-1.7	49.2	NA	NA	NA	1.0
-4.6	2.0	2.2	-127.7	NA	NA	NA	1.7
-6.0	2.2	-1.4	-78.1	NA	NA	NA	1.3
-6.8	8.0	-0.8	17.1	-6.4	10.0	-2.3	0.5
-5.3	1.1	-0.1	98.7	NA	NA	NA	0.6
-5.6	5.9	-0.9	-98.3	NA	NA	NA	1.0
-5.4	1.1	-0.3	-73.5	NA	NA	NA	1.3
-6.7	7.7	-0.8	30.7	-5.9	1.5	-1.5	1.0
-5.0	1.0	-0.2	110.2	NA	NA	NA	1.4
-5.4	0.9	-3.7	-102.9	NA	NA	NA	2.2
-5.3	2.1	-1.8	-75.9	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-5.0	3.4	-0.1	25.1	NA	NA	NA	0.3
-5.1	8.0	3.1	-98.1	NA	NA	NA	1.1
-5.0	3.2	-0.2	-23.8	-4.1	9.9	-1.2	0.5
-4.9	2.3	1.0	82.1	-4.1	9.1	36.0	1.0
-4.8	2.1	0.2	111.1	-4.2	10.0	40.3	1.0
NA	NA	-3.2	NA	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	0.9
-5.3	3.2	0.6	66.0	-4.7	9.6	0.0	1.0
-5.3	2.9	-0.2	52.3	-4.7	10.0	0.5	0.9
NA	NA	-5.0	NA	NA	NA	NA	2.2
NA	NA	1.2	NA	NA	NA	NA	1.1
-4.1	8.0	0.5	54.3	NA	NA	NA	1.4
-4.1	8.0	-0.4	28.0	NA	NA	NA	0.7
NA	NA	-0.2	NA	NA	NA	NA	1.8
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.1	4.4	-0.2	68.8	NA	NA	NA	1.5
NA	NA	0.8	NA	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.2
-4.7	4.6	-1.3	-82.7	NA	NA	NA	0.7
-5.1	4.3	2.2	26.0	-4.7	8.2	-27.5	1.2
-4.6	1.8	1.4	93.4	NA	NA	NA	1.2
-4.5	2.9	-0.2	-96.6	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.6	0.6	-42.8	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.6
-4.4	5.0	-0.2	29.3	NA	NA	NA	0.5
-4.5	5.0	-3.8	-90.7	NA	NA	NA	1.9
-4.3	3.1	0.8	-111.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.4	0.0	169.8	NA	NA	NA	0.4
-4.5	3.9	0.6	-98.5	NA	NA	NA	1.0
-4.2	8.0	-0.9	-95.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	0.4	113.8	NA	NA	NA	0.5
-4.3	2.9	-6.9	-108.4	NA	NA	NA	1.4
-4.3	3.6	1.4	-90.4	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.4	-0.1	29.1	NA	NA	NA	0.3
-4.5	3.1	-1.5	-104.7	NA	NA	NA	1.0
-4.1	4.1	-0.7	-89.8	NA	NA	NA	1.0
-4.1	8.0	0.2	-18.6	NA	NA	NA	1.0
-4.2	5.6	0.8	60.8	NA	NA	NA	1.0
-4.2	3.0	1.6	-102.8	NA	NA	NA	1.7
-5.6	1.8	0.0	-69.5	-4.1	1.1	-40.1	1.1
-6.2	4.4	-5.3	48.6	-5.7	3.6	-29.1	1.4
-6.0	2.6	-3.4	78.6	-5.6	10.0	11.2	1.7
-5.2	8.0	0.7	-83.0	-4.5	2.5	-3.6	1.6
-6.2	2.3	-0.2	-10.2	NA	NA	NA	0.9
-5.8	8.0	0.1	42.6	-5.2	7.2	1.0	2.1
-6.0	7.9	1.9	34.7	-5.0	9.9	1.7	1.6
-5.5	2.0	-1.4	-74.3	NA	NA	NA	2.1
-6.7	8.0	-2.1	-20.9	NA	NA	NA	1.4
-6.9	7.0	-0.9	46.9	-6.6	7.2	5.2	1.0
-6.9	7.1	0.2	33.2	-6.1	9.9	13.2	0.9
-6.0	1.7	1.7	52.4	-6.7	10.0	-0.2	2.4
-4.3	1.8	1.5	66.8	NA	NA	NA	1.3
-5.4	8.0	-5.4	21.7	-4.3	4.6	-99.7	2.4
-4.2	3.1	-1.8	-58.4	NA	NA	NA	1.8
-5.2	1.4	0.1	-63.0	NA	NA	NA	1.8
-4.4	1.1	0.6	-50.4	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.2	3.9	0.5	27.8	NA	NA	NA	1.0
-4.0	0.8	1.7	-98.7	NA	NA	NA	1.6
-6.2	1.5	-0.8	-27.9	NA	NA	NA	1.5
-5.7	8.0	4.6	-25.8	-4.4	3.5	123.8	2.4
-4.2	5.1	4.5	216.3	NA	NA	NA	2.3
-5.7	2.0	0.0	56.5	-5.3	10.0	0.9	1.8
NA	NA	-2.7	NA	NA	NA	NA	1.4
-5.0	2.7	3.2	87.1	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.0	2.0	83.1	-4.0	10.0	21.6	1.1
-6.4	4.6	1.0	-24.3	NA	NA	NA	2.4
-6.9	8.0	-1.1	14.2	NA	NA	NA	1.7
-7.6	8.0	0.9	13.3	-7.1	2.7	-2.7	1.1
NA	NA	-2.4	NA	NA	NA	NA	1.8
-7.3	8.0	0.5	-27.3	NA	NA	NA	2.4
-7.0	2.7	-0.7	-12.5	NA	NA	NA	1.3
-7.2	8.0	2.2	29.0	-5.4	0.4	-2.9	1.6
-7.2	8.0	0.7	20.2	NA	NA	NA	1.1
-6.8	8.0	2.9	-21.1	NA	NA	NA	2.6
-4.1	1.7	0.1	-31.6	NA	NA	NA	1.0
-4.4	1.6	0.4	97.7	NA	NA	NA	1.0
-4.2	1.5	0.2	100.4	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	2.3
-4.6	5.3	0.3	-17.3	NA	NA	NA	1.0
-4.6	5.4	0.7	49.1	NA	NA	NA	1.0
-4.5	4.7	0.5	52.6	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.8
NA	NA	-2.4	NA	NA	NA	NA	1.3
-4.6	1.3	-1.2	25.7	NA	NA	NA	1.8
-4.8	2.4	0.5	21.4	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.3
-4.7	4.1	0.1	-85.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.5	4.2	0.4	313.8	NA	NA	NA	1.0
-4.8	5.1	-0.2	-101.5	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	0.8
-5.8	1.3	-3.3	25.1	NA	NA	NA	1.9
-5.1	8.0	0.6	14.2	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
NA	NA	1.9	NA	NA	NA	NA	1.1
-4.6	2.0	2.9	73.8	NA	NA	NA	2.0
-5.1	2.7	-1.1	25.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.6
-6.3	1.5	0.7	-29.6	NA	NA	NA	1.2
-6.5	1.2	-3.1	61.1	-5.0	3.2	-20.7	1.4
-6.6	2.1	-1.8	58.4	-4.9	10.0	0.8	1.4
NA	NA	-0.4	NA	NA	NA	NA	1.6
-5.9	8.0	-3.1	-47.5	NA	NA	NA	1.3
-6.9	8.0	4.5	98.3	-6.3	5.0	-115.8	3.0
-6.9	3.1	3.8	112.0	-6.4	10.0	-34.8	2.1
-6.1	5.5	0.2	-100.4	NA	NA	NA	1.2
-5.5	5.9	1.9	-86.8	NA	NA	NA	1.0
-6.2	1.0	0.0	8.8	-5.5	10.0	-10.3	0.5
-5.3	2.2	-0.3	65.5	NA	NA	NA	0.4
-5.4	3.5	-0.2	-93.9	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-5.6	0.9	2.9	-54.6	NA	NA	NA	1.8
-4.7	0.5	-0.2	16.6	NA	NA	NA	1.0
-5.3	1.1	-1.2	83.4	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	2.5
-4.7	2.9	2.3	-62.1	NA	NA	NA	1.2
-5.3	0.7	1.2	-23.4	NA	NA	NA	1.0
-4.4	3.5	-1.6	38.8	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.9
-7.2	4.9	0.6	-59.9	NA	NA	NA	1.0
-7.5	8.0	1.1	107.0	-7.1	10.0	-23.2	1.0
-7.4	4.8	0.7	137.0	-7.1	10.0	14.0	1.3
-7.0	8.0	3.1	-63.8	NA	NA	NA	2.4
-6.1	8.0	0.8	-55.7	NA	NA	NA	1.4
-7.7	1.4	-3.1	24.0	-6.2	7.2	-67.3	2.5
-7.5	1.7	-1.9	10.4	-6.4	10.0	-3.2	1.4
-6.3	6.2	-3.8	-108.1	NA	NA	NA	2.1
-5.7	0.4	-1.1	43.3	-4.6	10.0	0.4	2.2
-4.6	2.1	-2.2	35.4	NA	NA	NA	1.6
-4.5	8.0	-5.9	51.0	NA	NA	NA	2.1
-6.1	0.8	0.0	-101.2	NA	NA	NA	2.3
-5.3	3.2	1.2	-79.5	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-5.1	3.0	-0.1	79.7	NA	NA	NA	0.4
-5.6	8.0	-1.1	55.3	-5.4	10.0	-92.6	1.8
-4.7	2.3	-6.0	-50.6	NA	NA	NA	2.0
-4.8	8.0	9.6	60.3	NA	NA	NA	2.1
-4.6	2.4	9.9	135.3	NA	NA	NA	2.0
-8.2	8.0	4.4	-61.8	NA	NA	NA	3.0
-6.8	0.4	8.4	-54.1	NA	NA	NA	2.1
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.7	0.9	0.3	16.4	NA	NA	NA	0.3
-6.4	1.2	4.5	-93.7	NA	NA	NA	2.6
-5.2	1.7	-1.7	-89.2	NA	NA	NA	1.0
-6.7	6.8	0.0	21.0	-5.5	0.9	-25.7	1.0
-4.6	1.4	0.7	222.3	NA	NA	NA	1.0
-5.5	7.8	2.3	-100.1	NA	NA	NA	1.5
-5.0	4.0	-1.7	-76.8	NA	NA	NA	1.0
-6.4	8.0	-0.2	16.6	-5.9	2.9	-7.4	1.0
-4.9	4.8	1.2	111.5	NA	NA	NA	1.3
-5.3	8.0	-4.0	-98.6	NA	NA	NA	1.6
-7.1	2.1	0.8	-80.8	-4.6	2.7	-58.7	0.8
-7.5	5.4	1.0	104.4	-7.2	3.9	-33.0	1.3
-7.4	5.9	-0.3	134.5	-7.2	10.0	33.7	2.0
-7.0	8.0	-1.2	-91.6	-4.8	3.7	-72.4	1.0
-5.4	4.6	-1.2	-76.5	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-5.0	3.2	0.7	89.9	NA	NA	NA	1.3
-5.5	8.0	0.6	-99.0	-4.5	9.7	-83.8	1.2
-7.4	0.5	12.9	-45.9	NA	NA	NA	2.1
-5.4	0.4	-0.5	54.2	NA	NA	NA	1.8
-5.3	0.4	-1.8	129.2	NA	NA	NA	2.7
-4.5	2.3	-12.1	-58.0	NA	NA	NA	3.1
-7.5	0.6	8.0	-49.4	NA	NA	NA	1.8
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.4	0.4	-0.6	29.7	NA	NA	NA	0.3
-6.1	2.5	4.4	-88.8	NA	NA	NA	2.5
-5.2	6.2	-0.5	-68.7	NA	NA	NA	1.1
-6.6	7.8	-0.8	18.1	-6.1	5.1	-4.0	1.0
-4.8	2.0	0.4	144.5	NA	NA	NA	1.2
-5.6	4.7	1.4	-96.4	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.1	5.3	1.5	112.8	NA	NA	NA	1.5
-4.0	0.9	0.0	35.8	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.5	8.0	2.0	55.3	NA	NA	NA	1.6
NA	NA	1.3	NA	NA	NA	NA	0.9
NA	NA	-4.8	NA	NA	NA	NA	2.0
-4.4	8.0	0.6	-21.8	NA	NA	NA	1.0
-4.4	8.0	-0.1	41.2	NA	NA	NA	0.5
-4.4	8.0	0.0	69.7	NA	NA	NA	0.9
NA	NA	2.1	NA	NA	NA	NA	1.9
-4.3	8.0	1.9	-45.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.2
-4.3	8.0	-0.6	22.5	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	2.3
-4.3	2.0	-0.7	-71.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.1
-4.2	3.3	0.2	25.0	NA	NA	NA	0.4
-5.0	2.5	1.1	-71.9	NA	NA	NA	0.8
-4.4	5.6	-0.5	-46.9	NA	NA	NA	1.0
-4.1	5.7	-0.1	-19.5	NA	NA	NA	1.0
-4.4	7.9	0.5	37.5	-4.0	1.3	12.5	0.5
NA	NA	-1.8	NA	NA	NA	NA	2.0
-4.4	2.6	-2.0	-24.8	NA	NA	NA	1.0
-4.5	3.3	-2.0	38.5	NA	NA	NA	1.5
-4.3	1.9	-0.3	64.5	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	1.1
NA	NA	-2.4	NA	NA	NA	NA	0.9
-4.6	1.8	2.2	86.6	NA	NA	NA	1.2
-4.6	1.8	1.5	72.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.1	1.5	-41.8	NA	NA	NA	1.3
-5.3	4.6	0.1	16.1	-4.7	3.9	-7.8	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.7
-5.6	1.3	-1.1	-32.3	NA	NA	NA	1.6
-5.3	1.9	1.4	-32.5	NA	NA	NA	1.1
-5.8	8.0	0.4	22.1	-4.3	10.0	-10.3	1.0
-5.5	3.9	0.0	32.8	NA	NA	NA	1.0
NA	NA	-5.2	NA	NA	NA	NA	2.1
NA	NA	0.8	NA	NA	NA	NA	0.7
-4.4	3.9	-1.7	83.0	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	0.7
NA	NA	-0.2	NA	NA	NA	NA	1.9
-4.6	7.5	-2.1	-16.2	NA	NA	NA	1.0
-4.7	1.9	-9.0	48.6	NA	NA	NA	2.2
-4.7	1.8	-2.7	66.6	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	1.3
-4.4	1.5	1.0	-38.7	NA	NA	NA	1.3
-4.6	2.1	2.4	46.0	NA	NA	NA	1.4
-4.3	1.7	1.8	54.8	NA	NA	NA	1.1
NA	NA	1.3	NA	NA	NA	NA	1.6
-5.0	2.3	0.2	-16.8	NA	NA	NA	1.0
-4.5	1.6	3.1	59.6	NA	NA	NA	1.7
-4.4	1.3	1.5	70.6	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.6	8.0	-4.6	16.4	NA	NA	NA	1.7
-4.5	5.1	-1.8	21.9	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.9
NA	NA	-1.2	NA	NA	NA	NA	0.8
-4.2	5.2	-2.6	55.0	NA	NA	NA	1.3
-4.2	8.0	-0.9	45.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.5	3.1	-1.6	-27.2	NA	NA	NA	1.0
-4.6	1.9	0.8	88.5	NA	NA	NA	1.7
-4.6	2.3	1.7	86.7	NA	NA	NA	1.5
NA	NA	-5.8	NA	NA	NA	NA	1.7
-4.5	1.2	1.1	-39.5	NA	NA	NA	1.0
-4.4	1.3	-0.5	113.7	NA	NA	NA	1.1
-4.4	1.3	-0.5	128.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.1
-4.7	1.6	-0.3	-75.0	NA	NA	NA	1.0
-5.4	7.9	-1.2	95.5	-4.9	2.5	-21.4	1.2
-5.3	5.5	-0.5	112.0	-5.1	10.0	41.7	1.3
NA	NA	-2.8	NA	NA	NA	NA	1.8
-4.7	1.6	1.0	-48.4	NA	NA	NA	1.0
-5.1	4.0	-0.8	24.5	-4.2	3.3	-154.5	1.9

ga	gw	zr	tp	la	lw	bt	er
-5.0	3.2	-1.0	21.1	NA	NA	NA	1.1
NA	NA	2.2	NA	NA	NA	NA	1.6
-4.4	8.0	1.3	-54.8	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.5
-4.2	6.0	-0.9	74.4	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.5	3.0	0.1	-72.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	2.6	-0.1	46.3	NA	NA	NA	0.4
-4.7	7.2	1.2	-22.2	NA	NA	NA	1.0
-4.5	0.8	-4.1	-82.0	NA	NA	NA	1.7
-6.0	4.3	-0.4	57.2	-4.5	2.1	12.6	1.0
-5.3	1.0	-0.4	103.6	NA	NA	NA	1.4
-5.7	4.0	1.4	-22.6	NA	NA	NA	1.7
-4.3	2.2	0.4	-83.6	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	4.2	0.0	18.2	NA	NA	NA	0.3
NA	NA	-1.1	NA	NA	NA	NA	1.3
-4.2	2.4	-0.1	-67.5	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	0.4
-4.2	3.2	-0.5	36.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.9
-5.1	1.7	-0.3	-72.0	NA	NA	NA	1.1
-5.5	8.0	5.0	117.0	-4.9	2.2	-22.2	1.8
-5.3	3.7	4.3	138.5	-5.0	10.0	56.9	1.8
NA	NA	0.8	NA	NA	NA	NA	1.4
-4.9	3.7	1.1	-48.1	NA	NA	NA	1.0
-4.5	1.2	0.3	-16.6	NA	NA	NA	1.0
-4.8	4.2	-0.5	46.3	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.7
-4.8	2.9	0.9	-82.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.6	2.7	-0.1	44.3	NA	NA	NA	0.4
-5.1	3.7	0.6	-33.9	NA	NA	NA	1.1
-5.5	1.1	2.0	-21.9	-4.1	10.0	15.0	1.3
-6.1	3.2	0.7	47.0	-4.5	9.1	8.8	1.0
-6.1	8.0	0.2	35.0	-4.3	10.0	4.9	0.9
NA	NA	-6.4	NA	NA	NA	NA	2.5
-4.8	2.0	-1.6	-71.4	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.6	2.2	0.1	15.8	NA	NA	NA	0.3
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.3	2.2	1.1	-65.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.0	0.3	89.0	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-6.0	5.0	1.1	-18.2	-5.0	10.0	21.0	0.9
-5.6	2.2	-1.4	142.1	-5.0	9.8	-39.0	2.2
-5.6	2.2	-1.5	115.6	-5.0	10.0	-19.1	1.3
-5.0	8.0	2.3	-27.3	NA	NA	NA	1.4
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.3	2.5	0.1	51.8	NA	NA	NA	1.0
-4.4	5.0	-0.1	32.8	NA	NA	NA	0.9
NA	NA	-1.2	NA	NA	NA	NA	1.8
-4.7	2.4	0.3	-22.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.3
-5.0	7.8	0.0	21.4	-4.1	0.8	-3.6	0.5
NA	NA	0.8	NA	NA	NA	NA	2.1
-4.2	2.4	0.5	-29.4	NA	NA	NA	0.9
-5.7	6.8	-0.8	101.3	-4.4	6.4	10.1	2.2
-5.7	7.3	-1.6	70.6	-4.6	3.3	8.0	1.5
NA	NA	-2.1	NA	NA	NA	NA	2.1
-5.2	2.0	1.9	-28.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.5
-4.6	1.3	-0.6	37.2	NA	NA	NA	1.0
NA	NA	-8.9	NA	NA	NA	NA	2.0
-5.0	1.5	-0.9	-54.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	1.3	-0.1	45.3	NA	NA	NA	0.4
-5.6	8.0	1.9	23.6	NA	NA	NA	1.0
-4.9	1.1	2.8	-31.5	NA	NA	NA	1.3
NA	NA	0.7	NA	NA	NA	NA	0.1
-4.8	0.9	-1.2	19.0	NA	NA	NA	0.9
NA	NA	-5.7	NA	NA	NA	NA	1.7
-5.6	2.7	0.5	-21.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.2
-5.2	1.1	0.4	19.5	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	2.1
-4.3	1.9	0.9	-75.5	NA	NA	NA	1.0
-4.8	1.1	0.8	26.9	-4.1	10.0	-16.2	1.0
-4.4	1.6	0.9	77.9	NA	NA	NA	1.1
-4.2	3.3	1.0	-75.2	NA	NA	NA	1.0
-4.7	5.7	1.6	-22.5	NA	NA	NA	1.0
-5.0	4.3	1.2	29.4	-4.0	0.4	1.1	1.3
-4.7	3.0	-1.6	39.8	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.5
-4.3	2.1	0.8	-107.8	NA	NA	NA	1.0
-5.0	0.8	0.8	23.8	-4.4	10.0	-24.0	1.3
-4.6	1.4	1.1	50.2	NA	NA	NA	1.2
-4.4	8.0	-0.4	-90.1	NA	NA	NA	1.1
-4.4	2.5	0.5	-24.4	NA	NA	NA	0.9
-5.6	0.8	-1.6	16.9	NA	NA	NA	1.9



ga	gw	zr	tp	la	lw	bt	er
-4.8	1.9	-0.5	26.6	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	2.1
-4.1	3.3	0.0	-62.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.3
-4.1	5.7	-0.3	32.2	NA	NA	NA	0.5
NA	NA	-2.1	NA	NA	NA	NA	2.0
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.1	1.2	-4.9	47.4	NA	NA	NA	1.6
-4.4	5.8	-2.1	28.2	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.8
-4.8	6.2	-0.2	-82.9	NA	NA	NA	1.0
-5.2	2.9	0.1	39.2	-4.8	9.8	-11.0	1.0
-4.6	1.9	-0.2	182.7	NA	NA	NA	1.0
-4.7	1.6	2.2	-120.5	NA	NA	NA	1.6
-5.1	2.4	-0.6	-74.4	-4.4	9.4	-45.8	0.9
-5.5	1.7	0.1	74.7	-5.0	10.0	-33.5	1.5
-5.5	1.9	0.3	79.8	-4.9	10.0	2.2	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.9	8.0	-0.3	-76.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.8	8.0	0.0	81.0	NA	NA	NA	0.4
-4.8	3.2	1.1	-70.5	NA	NA	NA	1.1
-4.8	7.5	-0.4	-23.8	NA	NA	NA	1.0
-5.1	6.2	-0.1	59.2	-4.7	9.9	12.8	1.0
-5.1	5.9	0.3	47.4	-4.7	2.6	21.8	0.9
NA	NA	1.2	NA	NA	NA	NA	1.7
-4.6	2.3	0.8	-79.2	NA	NA	NA	1.3
-5.6	3.8	-0.7	38.7	-5.0	6.4	-4.8	1.0
-4.3	1.2	-0.3	150.1	NA	NA	NA	1.0
-4.2	8.0	1.0	-53.0	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.5	1.6	-1.3	89.0	NA	NA	NA	1.9
-4.3	2.5	-0.6	79.0	NA	NA	NA	1.0
NA	NA	-3.2	NA	NA	NA	NA	1.7
-4.3	2.1	-0.5	-41.6	NA	NA	NA	1.0
-4.7	1.0	1.6	26.6	NA	NA	NA	1.3
-4.4	1.5	1.9	54.9	NA	NA	NA	1.3
NA	NA	-2.9	NA	NA	NA	NA	1.3
-5.1	2.9	-0.2	-21.2	NA	NA	NA	1.0
-5.0	2.1	-2.7	89.6	-4.0	10.0	34.2	1.5
-4.8	1.3	-1.3	88.4	NA	NA	NA	1.2
NA	NA	-2.7	NA	NA	NA	NA	1.9
-4.2	0.4	-0.8	-26.0	NA	NA	NA	1.5
-5.4	4.7	2.2	22.4	-4.2	2.3	-16.8	1.9
-5.4	0.5	0.1	28.9	-4.1	2.6	-13.4	1.9
NA	NA	0.8	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.4	1.2	-21.2	NA	NA	NA	1.3
-5.1	1.8	1.0	72.5	NA	NA	NA	1.9
-4.9	1.5	-0.3	81.4	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.4
-4.8	6.1	1.8	-26.6	NA	NA	NA	1.0
-4.9	2.2	0.6	69.2	-4.4	10.0	18.9	1.1
-5.0	5.2	-0.6	41.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.7
-4.4	5.3	0.1	-49.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.6
-4.4	8.0	-0.3	31.1	NA	NA	NA	0.5
-4.5	2.7	-2.3	-93.4	NA	NA	NA	1.5
-7.1	1.3	1.3	-35.7	NA	NA	NA	1.1
-7.4	1.5	-1.2	99.0	NA	NA	NA	1.7
-7.2	1.6	-1.3	116.8	NA	NA	NA	1.8
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.9	8.0	1.8	-11.8	NA	NA	NA	1.4
-4.7	1.6	3.7	82.0	NA	NA	NA	1.3
-4.8	2.7	0.7	58.0	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	2.0
NA	NA	-2.4	NA	NA	NA	NA	0.8
-6.9	1.5	-0.1	21.5	NA	NA	NA	0.5
-6.8	1.2	0.0	11.8	NA	NA	NA	0.3
NA	NA	-1.4	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	0.8
-4.5	2.5	4.0	71.8	NA	NA	NA	1.6
-4.6	4.8	2.1	46.7	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.1	8.0	1.5	-28.1	NA	NA	NA	1.0
-4.1	5.5	1.1	48.4	NA	NA	NA	1.0
-4.1	8.0	0.2	47.0	NA	NA	NA	0.5
NA	NA	-0.3	NA	NA	NA	NA	1.9
-4.7	1.3	1.5	-20.2	NA	NA	NA	1.0
-4.5	1.8	2.4	61.7	NA	NA	NA	1.4
-4.7	1.5	1.7	66.0	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.0
-4.7	8.0	-1.0	-18.5	NA	NA	NA	1.4
-4.7	1.2	-0.3	62.2	-4.1	10.0	8.8	1.9
-4.8	1.2	-0.3	67.8	-4.0	8.2	19.0	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.9
-4.9	1.9	0.8	-38.4	NA	NA	NA	1.0
-5.1	2.8	0.8	51.5	NA	NA	NA	1.3
-4.8	1.6	-0.1	80.2	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.3
-4.7	8.0	0.7	-10.7	NA	NA	NA	0.7
-4.4	1.6	0.7	99.7	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.5	2.4	-0.3	61.0	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.6
NA	NA	-1.9	NA	NA	NA	NA	0.9
-4.2	4.6	0.9	42.3	NA	NA	NA	1.0
-4.2	3.0	0.7	36.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	2.0
NA	NA	-3.0	NA	NA	NA	NA	1.0
-4.8	2.0	-3.5	56.1	NA	NA	NA	1.5
-4.7	2.4	0.6	73.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.3
-5.4	3.7	0.5	24.3	NA	NA	NA	1.1
-5.3	2.1	-0.1	23.9	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	0.7
-4.8	4.8	1.5	-83.0	NA	NA	NA	0.8
-5.0	2.1	0.4	-26.9	NA	NA	NA	1.2
-4.5	5.3	-0.6	72.1	NA	NA	NA	1.0
-4.7	8.0	0.6	-95.5	NA	NA	NA	1.0
-4.8	5.1	0.0	-63.8	NA	NA	NA	1.1
-4.7	8.0	3.8	-113.2	NA	NA	NA	2.0
-4.7	8.0	2.6	60.7	-4.5	9.9	16.2	1.5
-4.8	3.5	0.0	-101.0	NA	NA	NA	2.0
-4.5	8.0	-0.9	-45.1	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.3
-4.3	3.7	0.4	78.2	NA	NA	NA	1.0
-4.6	4.4	2.0	-91.8	NA	NA	NA	1.5
-5.1	3.9	0.0	-80.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.9	3.9	-0.3	109.1	NA	NA	NA	0.4
-5.0	5.0	0.4	-111.5	-4.1	0.4	-88.0	1.0
-5.0	3.2	2.5	-58.4	NA	NA	NA	1.4
-4.6	4.3	1.2	33.6	NA	NA	NA	1.0
-4.4	2.0	-0.1	132.6	NA	NA	NA	0.9
-4.7	1.5	-2.4	-104.2	NA	NA	NA	1.5
-4.6	2.8	0.9	-76.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.0	-0.1	43.4	NA	NA	NA	0.3
-4.5	7.9	1.5	-104.0	NA	NA	NA	1.7
-4.3	1.6	0.0	-75.6	NA	NA	NA	1.4
-5.7	7.9	-0.4	10.5	-4.4	9.3	-0.3	1.0
-4.0	0.7	-0.1	74.9	NA	NA	NA	1.0
-4.4	8.0	-2.6	-52.1	NA	NA	NA	1.7
-4.4	3.9	0.4	-63.9	NA	NA	NA	1.0
-4.8	1.9	-0.3	44.6	-4.3	10.0	1.2	1.0
-4.8	8.0	-0.2	29.4	NA	NA	NA	1.0
-4.4	8.0	-0.6	-56.2	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.4	3.5	1.4	-25.6	NA	NA	NA	1.0
-4.8	8.0	0.8	41.6	NA	NA	NA	1.6
-4.7	4.2	-0.5	35.5	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
-4.6	5.2	-2.2	-25.9	NA	NA	NA	1.0
-4.8	8.0	0.5	29.0	NA	NA	NA	1.4
-4.7	8.0	1.5	39.7	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	1.3
NA	NA	-0.9	NA	NA	NA	NA	0.6
-4.7	6.8	-1.4	52.8	NA	NA	NA	1.5
-4.6	5.4	0.2	59.4	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.8
-4.3	2.4	1.9	-90.4	NA	NA	NA	1.0
-4.5	1.3	-1.8	50.0	-4.3	10.0	2.3	1.5
-4.6	3.9	-1.2	58.0	-4.1	9.6	8.5	1.0
-4.4	8.0	1.7	-72.1	NA	NA	NA	1.2
-4.5	5.0	0.5	-17.9	NA	NA	NA	1.0
-4.8	2.7	-1.5	32.4	NA	NA	NA	1.9
-4.7	4.2	-0.8	27.9	-4.2	9.9	-0.8	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.4
-4.2	5.6	0.9	-80.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	7.2	-0.1	33.6	NA	NA	NA	0.4
-4.2	8.0	-0.5	-83.9	NA	NA	NA	1.3
-4.3	8.0	1.2	-50.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.1	3.8	0.1	68.5	NA	NA	NA	1.0
-4.1	4.3	1.6	-94.5	NA	NA	NA	1.9
-4.3	1.7	-2.0	-51.7	NA	NA	NA	1.0
-5.3	6.1	0.2	20.2	-4.3	4.4	-4.7	1.4
-4.5	1.1	0.8	51.1	NA	NA	NA	1.4
-4.3	2.0	-1.7	-77.6	NA	NA	NA	1.1
-4.2	3.7	-0.3	-49.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.6	6.2	0.1	24.9	NA	NA	NA	0.5
NA	NA	-1.6	NA	NA	NA	NA	1.7
-4.3	2.2	1.0	-21.8	NA	NA	NA	0.6
-4.3	1.4	-2.2	70.5	NA	NA	NA	1.6
-4.1	1.3	-1.3	82.6	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.5	2.4	0.7	66.9	NA	NA	NA	1.5
-4.5	2.1	0.3	69.5	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.8	1.3	-6.6	73.5	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.4	-2.1	50.1	NA	NA	NA	1.3
NA	NA	3.0	NA	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.6
-4.4	4.8	0.6	42.8	NA	NA	NA	1.0
-4.4	4.1	-0.6	32.3	NA	NA	NA	0.9
NA	NA	-4.6	NA	NA	NA	NA	1.5
-6.0	1.7	-1.2	-68.3	-5.1	9.6	-31.3	1.7
-6.9	6.6	1.0	34.5	-6.6	2.5	-29.2	1.3
-6.7	6.8	0.3	89.1	-6.5	5.9	-10.4	1.4
-5.0	2.5	-2.0	-84.5	NA	NA	NA	1.9
-5.2	8.0	-2.8	-55.9	NA	NA	NA	1.5
-7.5	7.8	1.6	24.7	-5.2	0.8	-209.3	3.5
-6.9	0.5	-5.9	43.0	-6.7	10.0	-24.6	2.6
-7.0	1.1	1.6	-96.9	NA	NA	NA	1.9
-6.6	7.4	0.8	-35.7	-5.7	10.0	3.2	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.2
-6.3	2.0	-1.0	42.7	-5.8	10.0	-7.6	1.5
NA	NA	-6.5	NA	NA	NA	NA	2.6
-4.5	8.0	-1.2	-75.6	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	5.8	0.2	81.2	NA	NA	NA	0.4
-4.4	8.0	-1.4	-96.0	NA	NA	NA	1.6
-7.1	1.8	-0.9	-57.6	-5.8	1.9	-12.1	1.8
-7.7	8.0	0.1	58.3	-7.5	5.4	8.0	1.2
-6.9	1.1	-0.2	102.9	-5.8	2.3	10.5	1.8
-7.4	8.0	-0.7	-88.2	-6.9	10.0	-8.9	3.0
-6.7	2.0	1.7	-72.6	-5.6	4.8	-22.8	1.4
NA	NA	-1.5	NA	NA	NA	NA	0.2
-6.4	2.6	-0.3	21.0	-5.6	8.7	1.0	0.3
NA	NA	-6.3	NA	NA	NA	NA	2.8
-6.4	2.7	-0.2	-67.6	-5.2	9.5	-29.1	0.8
-6.7	3.8	-0.6	82.6	-6.4	8.8	-30.2	1.3
-6.8	8.0	-0.2	84.8	-6.0	1.4	-13.7	1.4
-5.3	8.0	-2.5	-64.0	NA	NA	NA	2.0
-6.2	8.0	0.5	-44.7	-5.5	10.0	0.0	1.5
NA	NA	-0.3	NA	NA	NA	NA	1.1
-6.2	8.0	-1.3	39.7	-5.5	10.0	-4.8	1.0
NA	NA	-0.9	NA	NA	NA	NA	2.2
-7.0	8.0	1.1	-22.0	NA	NA	NA	1.4
-7.2	5.4	0.0	6.0	NA	NA	NA	1.0
-7.0	8.0	0.1	17.4	-4.4	0.4	-2.6	0.9
-6.9	8.0	-4.9	-78.6	-6.3	10.0	-21.8	2.5
-6.4	3.9	1.2	-60.3	-5.3	3.7	-19.2	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.0
-6.2	5.2	-0.1	16.0	-5.6	2.8	0.8	0.3
NA	NA	0.9	NA	NA	NA	NA	2.5

ga	gw	zr	tp	la	lw	bt	er
-6.3	1.4	2.2	-76.6	-5.3	8.4	-36.2	1.7
-6.8	7.9	0.6	50.2	-6.4	9.6	-32.0	1.5
-6.7	4.0	0.0	66.6	-6.5	10.0	-8.4	1.9
-6.2	8.0	0.4	-81.9	NA	NA	NA	2.2
-4.9	1.2	-1.6	15.6	NA	NA	NA	1.5
NA	NA	3.7	NA	NA	NA	NA	3.3
-6.8	1.7	0.9	39.4	-5.1	0.7	-23.0	2.2
-7.1	8.0	2.3	-34.8	NA	NA	NA	2.4
-6.7	8.0	1.3	-31.1	-5.7	1.9	4.8	2.2
NA	NA	0.1	NA	NA	NA	NA	1.3
-6.7	8.0	0.6	31.9	-6.1	0.9	-8.0	1.8
NA	NA	-5.3	NA	NA	NA	NA	2.8
-4.5	4.1	-0.3	-83.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	3.4	0.2	124.4	NA	NA	NA	0.4
-6.5	1.2	3.5	-20.8	NA	NA	NA	2.3
-7.2	8.0	1.5	-21.1	-4.7	4.7	2.7	1.3
-7.4	8.0	-0.2	51.5	-7.1	10.0	4.3	1.0
-7.5	8.0	-0.7	15.6	-4.6	1.1	-4.4	1.0
-7.2	5.3	-5.5	-83.3	-6.0	0.9	-10.3	2.4
-4.1	3.6	1.7	-86.6	NA	NA	NA	1.1
-4.5	7.9	-0.2	-11.9	NA	NA	NA	1.0
-4.1	8.0	-0.3	104.7	NA	NA	NA	1.0
-4.6	7.6	-1.4	-99.3	NA	NA	NA	1.7
-5.3	1.0	-1.0	-95.9	NA	NA	NA	1.4
-6.2	5.7	2.2	71.6	-5.8	9.3	-34.8	1.3
-6.2	4.3	1.9	70.6	-6.0	10.0	11.0	1.5
-5.9	8.0	0.4	15.3	-5.3	10.0	-98.4	1.1
-4.7	8.0	-0.5	-66.2	NA	NA	NA	1.4
-5.9	3.0	-2.0	69.7	-5.0	10.0	-136.1	2.3
-6.6	8.0	-0.6	23.5	-5.3	7.8	-31.6	1.6
-5.9	1.3	1.1	-85.7	NA	NA	NA	1.9
-6.5	8.0	-3.0	18.8	-5.8	5.7	-37.6	1.5
NA	NA	-2.0	NA	NA	NA	NA	0.9
-5.0	2.7	-0.9	80.5	NA	NA	NA	1.2
-5.7	1.1	1.9	-88.0	NA	NA	NA	2.5
-5.4	3.7	-0.6	-81.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-5.2	4.2	-0.1	117.7	-4.7	10.0	59.4	0.5
-5.6	5.4	-0.7	-99.5	NA	NA	NA	1.7
-5.6	0.9	-1.1	-67.3	NA	NA	NA	1.3
-6.6	7.9	-1.0	43.4	-6.3	4.3	7.2	1.0
-6.2	1.4	-0.2	31.7	NA	NA	NA	0.9
-6.4	4.5	3.4	-76.4	-5.7	8.7	-13.3	2.3
-5.8	2.9	-1.0	-59.9	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-5.3	2.1	-0.1	12.2	NA	NA	NA	0.3
-5.4	8.0	-1.5	-94.6	NA	NA	NA	1.5
-4.9	0.7	2.0	-90.1	NA	NA	NA	1.1
-6.2	8.0	0.6	26.3	-6.0	10.0	-28.7	1.0
-6.0	8.0	0.3	-12.3	-4.8	10.0	19.5	0.7
-6.0	6.4	0.6	37.6	-5.3	3.6	-92.3	1.4
-5.1	8.0	-0.6	-50.6	NA	NA	NA	1.3
-7.3	1.0	-6.5	30.8	-5.0	1.5	-207.4	2.5
-7.4	8.0	-0.8	16.1	-5.3	10.0	-23.7	1.2
-5.4	7.5	0.1	-108.2	NA	NA	NA	1.5
-5.1	4.0	1.1	-75.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-5.0	8.0	-0.1	71.8	NA	NA	NA	0.4
-5.2	6.2	-0.7	-98.9	-4.7	3.4	-72.4	1.1
-5.0	4.4	-2.2	-19.3	NA	NA	NA	1.4
-6.0	0.6	-1.7	71.1	-5.3	10.0	28.7	1.8
-7.7	8.0	-0.1	24.0	NA	NA	NA	1.8
-5.1	3.5	2.0	-96.9	NA	NA	NA	2.7
-4.6	1.7	1.7	-66.7	NA	NA	NA	1.9
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	3.5	-0.4	14.7	NA	NA	NA	0.3
-4.9	8.0	3.3	-70.1	NA	NA	NA	1.8
-4.7	5.0	2.0	-68.7	NA	NA	NA	1.0
-5.5	4.7	0.4	23.7	-5.3	9.9	2.6	1.0
-4.6	8.0	-0.3	101.7	NA	NA	NA	1.0
-4.9	8.0	-0.5	-98.6	NA	NA	NA	1.7
-5.7	1.1	1.4	-75.4	NA	NA	NA	1.7
-6.3	8.0	0.6	-32.3	NA	NA	NA	1.8
-4.9	5.6	-0.1	29.4	NA	NA	NA	2.1
-5.6	8.0	-0.8	-92.2	NA	NA	NA	1.4
-7.5	8.0	-4.4	10.6	NA	NA	NA	2.2
-4.5	6.6	-2.4	21.2	NA	NA	NA	1.1
-4.4	8.0	-3.6	47.6	NA	NA	NA	1.9
-5.3	8.0	-7.3	-88.1	NA	NA	NA	2.6
-5.0	3.2	-0.8	-79.3	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.9	4.0	0.1	45.5	NA	NA	NA	0.4
-5.1	3.3	-1.1	-94.8	NA	NA	NA	2.1
-4.4	1.7	-1.3	-53.8	NA	NA	NA	1.7
-5.8	0.6	-1.6	54.4	-5.2	7.6	27.6	2.1
-7.2	8.0	-0.6	19.7	NA	NA	NA	2.0
-7.3	4.4	-1.4	-30.1	NA	NA	NA	2.7
-5.0	1.5	-2.7	-55.3	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.7	1.8	0.1	20.0	NA	NA	NA	0.3
-5.3	8.0	4.0	-85.2	NA	NA	NA	2.5

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.5	0.4	-65.2	NA	NA	NA	1.4
-5.8	4.1	-0.6	10.7	-4.0	9.9	-10.9	1.0
-4.5	1.9	0.3	136.5	NA	NA	NA	1.0
-5.0	8.0	-0.1	-94.4	NA	NA	NA	1.5
-5.1	0.8	0.7	-25.4	NA	NA	NA	1.3
-5.0	2.0	-1.2	124.1	NA	NA	NA	1.4
-5.0	1.9	0.4	78.8	NA	NA	NA	1.0
NA	NA	-3.5	NA	NA	NA	NA	1.8
-5.3	2.3	-1.3	-12.8	NA	NA	NA	1.0
-5.7	8.0	-0.1	24.0	NA	NA	NA	1.6
-5.7	1.2	0.6	37.5	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	1.3
-4.3	2.6	0.9	-70.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.3	4.1	-0.2	56.4	NA	NA	NA	0.5
-4.4	2.7	-1.2	-59.6	NA	NA	NA	1.3
-4.6	0.8	-0.4	-26.7	NA	NA	NA	1.0
-5.5	1.1	-2.5	43.3	NA	NA	NA	1.6
-4.7	0.7	-1.7	68.2	NA	NA	NA	1.5
NA	NA	-4.9	NA	NA	NA	NA	1.5
NA	NA	-1.8	NA	NA	NA	NA	1.5
-4.4	1.1	2.6	97.9	NA	NA	NA	2.3
-4.3	1.3	2.0	91.0	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.5	6.3	-2.4	-18.6	NA	NA	NA	0.8
-5.1	2.6	-1.6	26.3	NA	NA	NA	1.5
-4.6	1.2	1.6	48.3	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	2.0
NA	NA	-2.0	NA	NA	NA	NA	0.8
-4.4	1.5	-2.6	58.3	NA	NA	NA	1.6
-4.2	2.3	0.4	61.2	NA	NA	NA	1.0
NA	NA	-5.7	NA	NA	NA	NA	1.8
-4.6	1.2	-0.5	-12.7	NA	NA	NA	0.9
-4.3	1.1	-3.9	72.3	NA	NA	NA	1.9
-4.3	1.6	-3.2	72.0	NA	NA	NA	1.4
NA	NA	-0.8	NA	NA	NA	NA	1.9
-4.7	1.1	1.8	-74.2	NA	NA	NA	1.0
-5.3	8.0	-1.1	36.3	-5.0	4.0	-27.4	1.0
-5.3	4.5	-0.8	45.5	-5.1	10.0	1.1	1.0
-5.3	2.5	0.5	32.8	-4.6	10.0	-90.9	1.3
NA	NA	-3.9	NA	NA	NA	NA	1.5
-4.9	1.0	2.3	76.8	-4.1	9.4	-91.2	1.8
-4.8	0.7	3.1	63.9	-4.3	9.8	-19.7	1.5
-4.4	8.0	5.1	-97.4	NA	NA	NA	1.6
-4.8	3.2	-1.4	-78.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.7	3.7	0.3	65.3	NA	NA	NA	0.4
-5.2	2.8	2.0	52.3	-4.7	10.0	-70.3	1.3
-4.5	1.1	2.2	-77.6	NA	NA	NA	1.1
-5.8	8.0	0.0	58.4	-5.4	2.4	5.9	1.0
-4.3	0.9	-1.1	96.2	NA	NA	NA	0.9
-5.2	1.8	-5.0	-84.1	NA	NA	NA	1.6
-4.5	7.4	0.6	-19.1	NA	NA	NA	1.0
-4.6	8.0	-0.1	46.4	-4.3	10.0	1.9	1.0
-4.5	8.0	-0.2	32.6	-4.2	5.5	-4.6	0.5
NA	NA	0.9	NA	NA	NA	NA	2.1
-5.0	1.4	-2.3	-59.8	NA	NA	NA	1.0
-5.5	6.6	0.4	33.7	-5.1	10.0	-29.0	1.4
-5.4	6.5	2.3	53.7	-5.1	9.8	2.9	1.6
-5.5	3.8	-2.0	35.4	-4.8	10.0	-88.1	1.1
-4.3	1.7	-2.4	-41.5	NA	NA	NA	1.2
-5.0	0.7	-4.1	94.5	-4.0	10.0	-42.4	2.2
-4.5	0.5	-0.8	99.9	-4.1	10.0	33.2	1.2
-4.1	3.5	1.5	-125.6	NA	NA	NA	1.9
-4.8	3.8	-0.5	-77.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	3.2	-0.1	83.9	NA	NA	NA	0.4
-4.8	8.0	1.2	-70.2	NA	NA	NA	1.6
-4.4	1.8	-1.8	-74.0	NA	NA	NA	1.4
-5.9	5.4	0.2	40.8	-5.3	2.1	3.4	1.0
-5.9	7.1	0.5	22.0	NA	NA	NA	0.9
-5.4	1.4	0.9	-67.0	NA	NA	NA	2.0
-4.6	3.7	-1.2	-59.2	NA	NA	NA	1.8
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	5.9	-0.1	10.7	NA	NA	NA	0.3
-4.5	8.0	2.3	-95.7	NA	NA	NA	1.9
-4.1	3.6	0.8	-84.8	NA	NA	NA	1.0
-5.2	7.3	-0.5	18.7	-4.8	10.0	-10.8	1.0
-4.1	7.7	-0.2	85.6	NA	NA	NA	1.0
-4.6	8.0	2.1	-58.7	NA	NA	NA	1.4
-4.2	8.0	0.3	-95.2	NA	NA	NA	1.0
-5.6	2.8	1.5	16.4	-4.4	2.6	-38.5	1.0
-4.2	8.0	1.0	49.6	NA	NA	NA	1.2
-4.2	3.3	-0.1	-124.3	NA	NA	NA	1.3
-4.2	2.1	1.3	-86.5	NA	NA	NA	1.0
-5.2	1.9	1.5	35.9	-4.5	8.2	-138.6	1.8
-5.0	2.0	-0.2	26.8	-4.6	10.0	-7.9	1.0
-4.6	6.6	-1.3	-93.3	NA	NA	NA	1.0
-4.4	8.0	0.9	-74.2	NA	NA	NA	1.5
-4.5	4.4	0.8	-24.4	NA	NA	NA	1.0
-4.1	8.0	-0.2	55.4	NA	NA	NA	1.0
-4.8	2.8	-0.3	-88.4	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.4	6.6	-0.9	-82.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	8.0	0.1	83.2	NA	NA	NA	0.4
-4.3	2.1	1.3	-135.5	NA	NA	NA	1.0
-4.2	5.0	2.0	-114.8	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	5.4	-0.7	171.0	NA	NA	NA	0.9
-4.6	4.9	-4.7	-87.3	NA	NA	NA	1.5
-4.2	3.9	1.5	-103.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	4.3	-0.1	29.5	NA	NA	NA	0.3
-4.4	3.5	-6.7	-106.8	NA	NA	NA	2.1
-4.4	8.0	-1.1	-76.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.3	6.7	0.3	87.2	NA	NA	NA	1.0
-4.2	2.0	0.7	-128.9	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.2	2.5	-1.4	62.1	NA	NA	NA	1.6
-4.3	2.8	-0.5	54.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.5
-4.6	3.8	-0.5	-26.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.6	6.8	-0.7	13.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	0.5
-5.5	3.7	0.0	54.6	-5.0	10.0	9.5	0.5
-5.5	3.1	0.1	45.6	-5.0	8.9	7.1	0.4
NA	NA	-0.6	NA	NA	NA	NA	1.5
-4.6	3.4	1.2	-44.6	NA	NA	NA	1.0
-4.9	2.3	-5.2	90.7	-4.5	10.0	-165.0	1.4
-4.9	2.7	-3.3	69.8	-4.3	7.9	3.9	1.2
-4.5	3.6	-3.5	-87.7	NA	NA	NA	1.5
-4.4	4.4	1.2	-92.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.5	8.0	-0.4	88.6	NA	NA	NA	0.4
-4.3	2.8	0.0	-126.4	NA	NA	NA	1.2
-4.3	3.5	-2.8	-53.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	3.0	0.8	49.5	NA	NA	NA	0.9
-4.5	8.0	4.2	-78.3	NA	NA	NA	1.8
-4.2	7.5	-0.4	-91.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	23.0	NA	NA	NA	0.3
-4.2	8.0	1.8	-113.9	NA	NA	NA	1.4
-4.3	8.0	1.7	-77.1	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.4

ga	gw	zr	tp	la	lw	bt	er
-4.1	3.4	-0.6	112.1	NA	NA	NA	1.0
-4.3	8.0	-2.3	-89.4	NA	NA	NA	1.7
NA	NA	-0.2	NA	NA	NA	NA	0.9
-5.0	3.4	1.0	153.3	NA	NA	NA	1.0
-5.1	4.1	0.5	93.5	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.6
-4.4	8.0	-1.1	-88.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.4
-4.4	8.0	0.9	92.7	NA	NA	NA	1.0
-4.4	3.9	-0.9	-137.7	NA	NA	NA	1.5
NA	NA	-4.1	NA	NA	NA	NA	1.4
-4.7	1.4	1.6	56.7	NA	NA	NA	1.0
-4.8	1.6	1.6	47.9	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.2	1.3	0.6	57.5	NA	NA	NA	1.8
-4.1	1.1	0.3	48.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.6
-4.2	8.0	-0.9	-38.5	NA	NA	NA	1.0
-4.6	8.0	-0.9	36.9	-4.2	7.2	-0.3	0.5
-4.6	8.0	-0.4	35.1	-4.1	10.0	-1.7	0.9
NA	NA	-3.8	NA	NA	NA	NA	1.6
-5.8	0.9	0.3	-74.4	-4.4	4.7	-45.8	1.7
-6.6	2.0	-0.8	78.1	-6.0	4.4	-32.4	1.6
-6.6	2.4	-0.3	95.2	-6.0	5.5	-4.6	1.2
NA	NA	2.1	NA	NA	NA	NA	1.7
-5.9	8.0	-5.1	-52.5	NA	NA	NA	1.8
-7.2	1.1	22.8	153.9	-6.4	4.1	-155.5	3.6
-7.2	0.9	6.8	134.0	-6.5	10.0	-46.3	2.9
-6.3	3.7	6.6	-99.7	NA	NA	NA	1.6
-5.9	3.1	-1.0	-77.4	NA	NA	NA	1.0
-6.2	0.5	-0.9	12.3	-5.9	2.3	-7.2	0.5
-5.6	2.8	0.9	63.8	NA	NA	NA	0.4
-6.1	7.4	3.6	46.6	-5.5	5.3	-100.8	1.3
-5.4	0.6	0.0	-78.8	NA	NA	NA	1.9
-7.4	8.0	1.0	46.9	-6.5	5.2	4.4	1.3
-4.8	0.6	2.5	136.4	NA	NA	NA	2.3
-5.3	8.0	5.7	68.3	-4.8	10.0	-92.2	2.2
-5.5	5.6	3.4	-69.9	NA	NA	NA	1.4
-5.8	1.8	2.1	-25.0	NA	NA	NA	1.0
-5.3	6.0	0.6	42.3	NA	NA	NA	1.2
-5.0	1.7	2.4	-97.1	NA	NA	NA	2.0
-4.3	2.8	-1.7	-29.1	NA	NA	NA	1.0
-4.2	4.9	-2.9	78.7	NA	NA	NA	1.4
-4.2	4.9	-1.1	84.0	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.7	7.1	-2.1	-33.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.8	1.2	1.6	14.4	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.2
-4.5	8.0	-1.1	-38.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	2.8	0.2	19.4	NA	NA	NA	0.4
-4.9	1.8	1.4	-49.0	NA	NA	NA	1.2
-5.2	7.4	0.3	-9.0	NA	NA	NA	1.0
-5.4	3.8	-0.2	91.5	-4.8	8.8	4.1	1.0
-5.4	3.7	0.1	81.8	-4.8	6.7	7.1	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.3
-4.9	1.5	-6.8	-57.1	NA	NA	NA	1.8
-6.3	1.6	2.5	34.8	-4.8	9.8	2.4	1.2
-5.5	0.8	1.5	69.8	-4.6	10.0	16.8	1.2
NA	NA	1.1	NA	NA	NA	NA	0.9
-4.8	3.2	2.6	-28.5	NA	NA	NA	1.1
-5.0	1.4	1.9	71.6	NA	NA	NA	2.0
-4.8	2.0	-1.4	81.7	NA	NA	NA	1.9
NA	NA	-0.2	NA	NA	NA	NA	1.1
-5.0	4.8	1.5	-36.7	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.9	3.9	-0.2	33.7	NA	NA	NA	1.0
NA	NA	-5.2	NA	NA	NA	NA	1.8
-4.7	3.9	-1.6	-18.1	NA	NA	NA	1.0
-4.7	6.2	0.1	41.5	NA	NA	NA	0.5
-4.7	5.2	0.3	42.0	NA	NA	NA	0.4
NA	NA	3.9	NA	NA	NA	NA	1.6
-5.0	4.4	-1.4	-40.7	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.8	2.1	0.8	38.6	NA	NA	NA	0.9
NA	NA	0.5	NA	NA	NA	NA	2.1
-4.8	3.1	1.1	-47.7	NA	NA	NA	1.0
-5.0	2.8	0.8	28.6	-4.6	4.6	3.4	0.5
-4.9	2.2	0.7	50.4	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.5
-5.2	2.3	-0.4	-75.1	NA	NA	NA	1.1
-5.7	7.5	0.6	32.0	-5.1	2.8	-21.5	1.0
-4.9	1.7	-0.7	232.7	-4.3	10.0	174.5	1.0
-5.2	2.0	1.3	-96.9	NA	NA	NA	1.0
-5.2	1.7	-2.3	-56.1	NA	NA	NA	1.3
-5.3	2.6	-1.6	36.5	NA	NA	NA	1.0
-4.6	1.0	-1.7	109.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.8	3.8	-1.4	-36.6	NA	NA	NA	1.2
NA	NA	-1.9	NA	NA	NA	NA	0.6

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.8	-0.2	36.4	NA	NA	NA	1.0
NA	NA	-9.3	NA	NA	NA	NA	1.9
-4.3	2.4	-0.9	-61.6	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.3	2.0	0.2	38.4	NA	NA	NA	0.4
NA	NA	1.0	NA	NA	NA	NA	1.1
-4.3	2.3	-1.1	-56.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	1.8	0.0	36.6	NA	NA	NA	0.9
NA	NA	-16.5	NA	NA	NA	NA	2.5
-5.0	1.9	-1.1	-56.8	NA	NA	NA	1.2
-5.3	2.7	0.0	22.7	NA	NA	NA	1.4
-4.9	1.7	0.7	80.3	NA	NA	NA	1.1
NA	NA	1.3	NA	NA	NA	NA	1.3
-4.8	1.5	-1.8	-42.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.4
-4.7	1.6	1.0	39.5	NA	NA	NA	1.0
NA	NA	-3.8	NA	NA	NA	NA	1.6
-4.6	2.5	-1.2	-48.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.7	1.6	0.2	24.6	NA	NA	NA	0.4
NA	NA	2.5	NA	NA	NA	NA	1.3
-5.2	2.1	-1.3	-83.8	NA	NA	NA	1.1
-4.9	7.0	-0.6	-18.7	NA	NA	NA	1.0
-4.6	1.6	0.0	313.2	-4.2	9.8	113.4	1.1
-5.3	2.2	-4.1	-107.5	NA	NA	NA	1.5
-4.2	1.9	-1.9	-78.5	NA	NA	NA	1.3
-5.4	2.1	-3.0	78.7	-4.7	3.9	-133.1	2.1
-4.9	0.4	-5.2	44.9	-4.7	10.0	-19.7	1.6
-4.6	4.9	-10.8	-100.7	NA	NA	NA	1.6
-4.8	8.0	1.4	-70.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	5.3	-0.2	61.8	NA	NA	NA	0.4
-4.9	8.0	-0.4	-84.2	NA	NA	NA	1.4
-4.9	3.0	-0.5	-44.2	NA	NA	NA	1.0
-4.3	3.5	0.4	33.2	NA	NA	NA	1.0
-4.6	1.7	0.3	69.8	NA	NA	NA	0.9
-5.1	7.0	-1.7	-74.0	-4.3	9.9	-12.3	1.4
-4.6	6.1	-0.5	-57.5	-4.0	9.3	-21.2	0.5
-4.4	1.9	-0.8	170.2	-4.2	10.0	36.9	1.0
-4.3	2.5	0.1	268.4	-4.1	10.0	64.9	1.0
-4.5	8.0	4.4	-59.2	NA	NA	NA	1.9
-4.4	1.0	-0.5	-25.3	NA	NA	NA	0.8
-4.3	0.6	-2.3	58.6	NA	NA	NA	1.6
-4.3	0.7	0.0	76.3	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.9	2.1	-0.4	-15.3	NA	NA	NA	1.0
-4.5	1.1	0.6	125.7	NA	NA	NA	2.0
-4.6	1.4	0.7	90.3	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	1.5
-4.8	1.9	0.9	-15.5	NA	NA	NA	1.1
-4.4	1.1	0.6	119.1	NA	NA	NA	1.9
-4.4	1.2	0.5	101.4	NA	NA	NA	1.2
NA	NA	1.4	NA	NA	NA	NA	1.6
-4.6	0.9	0.6	-19.7	NA	NA	NA	1.0
-4.4	0.8	-0.3	119.0	NA	NA	NA	1.8
-4.4	1.0	-0.3	106.8	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	1.2
-6.5	1.4	1.3	-13.4	-4.7	1.6	6.4	0.7
-6.4	3.2	-0.9	53.3	-4.5	2.0	-155.9	2.5
-6.3	4.9	-0.8	38.9	-4.5	1.7	-95.1	1.9
NA	NA	0.6	NA	NA	NA	NA	0.9
-5.6	2.2	-0.6	-10.9	NA	NA	NA	0.8
-5.6	5.1	2.9	57.6	-4.9	2.8	8.9	1.5
-5.6	1.1	2.8	37.7	-4.8	2.3	9.7	1.1
NA	NA	-1.4	NA	NA	NA	NA	0.8
-5.7	0.7	-0.8	-16.1	-4.3	9.7	0.1	1.0
-6.4	1.7	-2.4	51.3	-4.5	3.8	5.0	1.8
-6.4	2.1	-1.4	42.0	-4.4	10.0	6.7	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-4.5	2.3	0.0	-86.7	NA	NA	NA	1.0
-4.2	8.0	-0.8	-40.3	NA	NA	NA	1.5
-4.7	2.8	-1.0	59.6	NA	NA	NA	1.3
-4.4	2.3	-0.6	-115.0	NA	NA	NA	1.5
-4.1	1.8	0.6	-74.6	NA	NA	NA	1.1
-4.4	7.8	-1.0	-24.9	NA	NA	NA	1.9
-4.5	5.2	-0.2	22.9	-4.1	10.0	-15.3	1.1
-4.2	4.0	-1.8	-103.9	NA	NA	NA	1.7
-4.3	7.1	-0.1	-83.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.7	-0.2	109.7	NA	NA	NA	0.4
-4.2	3.9	0.1	-123.6	NA	NA	NA	1.2
-4.4	2.5	-0.9	-85.2	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	3.6	-0.1	28.0	NA	NA	NA	0.3
-4.4	4.3	-0.5	-98.8	NA	NA	NA	1.7
-4.2	2.7	0.1	-106.6	NA	NA	NA	1.1
-4.2	2.4	-0.1	-25.3	NA	NA	NA	1.0
-4.1	5.2	0.1	182.4	NA	NA	NA	1.0
-4.1	3.9	-0.8	-121.3	NA	NA	NA	1.7
-4.7	4.6	-0.3	-79.9	NA	NA	NA	1.0
-4.6	8.0	1.1	-35.7	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.6	3.1	0.0	94.3	-4.3	10.0	57.3	1.4
-4.7	6.3	-0.1	-92.7	NA	NA	NA	1.4
-4.2	2.3	0.1	-73.3	NA	NA	NA	1.0
-4.1	8.0	-1.1	-139.1	NA	NA	NA	1.5
-4.4	4.4	-0.5	43.3	-4.1	10.0	1.4	1.0
-4.2	3.1	-0.8	-122.7	NA	NA	NA	1.7
-4.2	4.3	-0.2	-108.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	6.5	0.0	99.9	NA	NA	NA	0.4
-4.3	4.0	-0.1	-122.5	NA	NA	NA	1.0
-4.2	4.8	-0.1	-81.3	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	5.7	0.0	79.7	NA	NA	NA	0.5
-4.3	7.9	-0.1	-91.8	NA	NA	NA	2.0
-4.4	2.4	-0.4	-91.9	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	3.5	0.0	26.5	NA	NA	NA	0.3
-4.4	3.8	-0.2	-104.6	NA	NA	NA	1.4
-4.4	3.7	-0.7	-26.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.4
-4.3	1.7	0.5	10.4	NA	NA	NA	0.5
-4.3	8.0	-0.2	-24.2	NA	NA	NA	1.7
-4.5	4.1	-1.0	-76.3	NA	NA	NA	1.0
-4.2	8.0	0.2	-41.9	NA	NA	NA	1.5
-4.7	8.0	0.3	62.9	-4.2	2.3	9.7	1.5
-4.3	3.0	-1.2	-117.9	NA	NA	NA	1.4
-4.1	4.7	-0.1	-99.5	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.0	4.2	0.3	95.2	NA	NA	NA	0.5
-4.2	8.0	-0.5	-98.6	NA	NA	NA	2.0
-4.4	1.1	-0.5	-82.3	NA	NA	NA	1.0
-5.4	1.6	-4.5	65.6	-4.5	4.4	-154.7	1.7
-5.4	1.7	-2.3	60.7	-4.6	8.8	-7.7	1.0
-4.4	5.2	1.1	-98.4	NA	NA	NA	2.1
-4.2	6.0	0.6	-108.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	117.4	NA	NA	NA	0.4
-4.2	8.0	1.4	-129.2	NA	NA	NA	1.2
-4.2	8.0	1.0	-90.7	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	26.3	NA	NA	NA	0.3
-4.3	3.1	-0.2	-133.6	NA	NA	NA	1.2
-4.3	1.7	0.2	-116.1	NA	NA	NA	1.0
-4.3	8.0	0.6	-31.7	NA	NA	NA	1.0
-4.2	2.2	0.2	153.6	NA	NA	NA	1.0
-4.2	8.0	-5.0	-102.6	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.0	1.4	-72.3	NA	NA	NA	1.0
-5.4	8.0	4.2	62.6	-4.7	10.0	-85.2	1.5
-5.2	2.3	0.9	60.1	-4.7	10.0	7.1	1.0
-4.6	7.6	-0.4	-91.7	NA	NA	NA	1.0
-4.3	2.8	-0.1	-109.6	NA	NA	NA	1.2
-4.4	5.9	2.5	-38.7	NA	NA	NA	1.0
-4.1	7.8	0.9	53.9	NA	NA	NA	1.0
-4.4	4.7	-0.3	-97.0	NA	NA	NA	1.3
-4.3	1.4	1.2	-93.2	NA	NA	NA	1.2
-5.9	1.9	-0.7	81.7	-4.5	3.3	-179.9	2.1
-5.7	1.6	-0.3	52.6	-4.5	9.9	-25.7	1.2
-4.3	1.6	1.7	-132.3	NA	NA	NA	1.6
-4.3	4.4	0.0	-92.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	5.6	0.1	151.2	NA	NA	NA	0.4
-4.3	6.5	1.1	-108.0	NA	NA	NA	1.0
-4.2	4.5	1.1	-111.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.4
-4.2	8.0	-0.3	166.9	NA	NA	NA	0.5
-4.3	1.6	-6.2	-126.7	NA	NA	NA	1.9
-4.3	1.7	1.2	-108.6	NA	NA	NA	1.3
-4.1	4.5	1.1	-32.0	NA	NA	NA	1.0
-4.2	5.1	0.6	147.8	NA	NA	NA	1.0
-4.1	4.6	-5.9	-130.5	NA	NA	NA	1.8
-5.3	7.1	0.6	-16.5	NA	NA	NA	0.5
-5.2	3.1	-0.6	75.7	-4.7	9.8	-24.1	1.1
-5.2	3.5	-0.7	91.8	-4.7	10.0	-12.9	1.0
-4.7	8.0	-3.3	36.8	NA	NA	NA	1.5
-5.4	2.5	1.6	-10.7	NA	NA	NA	1.1
-5.9	8.0	0.1	36.5	NA	NA	NA	1.0
-5.8	4.9	-0.5	29.6	NA	NA	NA	0.9
-5.2	3.2	0.5	-50.9	NA	NA	NA	2.0
-5.3	4.4	1.9	-29.8	-4.8	8.8	-10.2	0.6
-5.3	5.7	-0.6	85.6	-4.9	10.0	-19.4	1.0
-5.2	5.0	-0.4	98.3	-4.9	9.9	-9.5	1.0
-4.9	8.0	-0.7	24.6	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.2
-4.5	2.9	-2.6	41.4	NA	NA	NA	1.9
-4.4	2.1	-2.3	37.5	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.2
-5.8	5.7	0.2	44.2	-4.1	9.9	22.1	1.0
-5.7	3.1	-0.6	37.7	-4.1	1.9	15.8	0.9
NA	NA	-1.5	NA	NA	NA	NA	1.5
-5.2	5.9	-0.3	-25.7	NA	NA	NA	1.0
-5.4	7.4	-3.8	50.2	-4.8	10.0	-25.0	1.3



ga	gw	zr	tp	la	lw	bt	er
-5.3	6.0	-3.0	54.6	-4.8	10.0	-7.0	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.8
NA	NA	-3.1	NA	NA	NA	NA	1.0
-5.7	2.1	-0.9	36.9	NA	NA	NA	1.0
-5.6	1.9	0.1	33.8	NA	NA	NA	0.9
NA	NA	4.2	NA	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	0.6
-5.2	2.0	0.6	31.6	NA	NA	NA	1.1
-4.7	1.4	0.3	37.2	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.9	7.9	0.7	-13.0	NA	NA	NA	1.0
-4.6	1.2	-4.8	51.2	NA	NA	NA	1.6
-4.6	1.5	-1.9	59.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.7
NA	NA	-3.1	NA	NA	NA	NA	1.0
-4.3	1.4	7.8	80.9	NA	NA	NA	2.3
-4.7	1.8	7.3	40.6	NA	NA	NA	1.8
NA	NA	-7.9	NA	NA	NA	NA	1.8
NA	NA	-1.4	NA	NA	NA	NA	1.1
-4.4	0.9	1.5	45.6	NA	NA	NA	1.8
-4.8	0.9	0.1	36.8	NA	NA	NA	1.1
NA	NA	4.4	NA	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.8	1.7	-0.8	120.9	NA	NA	NA	1.3
-4.6	1.6	-3.2	91.3	NA	NA	NA	1.2
NA	NA	1.9	NA	NA	NA	NA	1.9
-5.1	4.1	-1.7	-17.7	NA	NA	NA	1.1
-5.5	1.5	2.9	29.4	-4.1	10.0	-2.9	1.5
-5.3	1.3	2.1	33.2	-4.2	3.8	4.1	1.4
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.2	4.7	-1.2	-21.1	NA	NA	NA	0.5
NA	NA	-1.6	NA	NA	NA	NA	1.8
-4.4	8.0	0.7	45.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.1
NA	NA	-1.5	NA	NA	NA	NA	0.7
-5.0	1.8	-2.2	18.1	NA	NA	NA	1.0
-5.0	1.4	-1.5	18.2	NA	NA	NA	1.0
NA	NA	-5.7	NA	NA	NA	NA	2.2
NA	NA	-0.5	NA	NA	NA	NA	1.2
-5.8	2.8	1.0	42.4	-4.7	4.0	9.8	1.1
-5.7	1.9	0.7	42.7	-4.7	8.0	6.5	1.0
NA	NA	-3.6	NA	NA	NA	NA	1.7
NA	NA	-1.3	NA	NA	NA	NA	0.8
-5.0	3.0	-0.9	44.4	NA	NA	NA	1.7
-4.7	3.4	-0.4	39.3	-4.3	10.0	-2.2	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-5.8	8.0	2.1	-12.9	NA	NA	NA	1.0
-5.8	8.0	-0.7	62.1	-5.2	2.9	23.7	1.0
-5.8	8.0	-1.3	54.3	-5.4	1.5	23.5	1.0
NA	NA	-4.8	NA	NA	NA	NA	1.9
-4.8	8.0	0.9	-81.7	NA	NA	NA	1.1
-4.7	8.0	3.4	-30.9	NA	NA	NA	1.4
-4.6	2.3	1.9	112.3	NA	NA	NA	1.0
-4.8	2.7	-1.2	-105.5	NA	NA	NA	1.0
-4.5	7.9	3.1	-74.3	NA	NA	NA	1.5
-5.4	8.0	1.4	23.4	-4.7	5.7	-157.5	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.3
-4.9	8.0	-7.2	-97.6	NA	NA	NA	2.0
-4.5	8.0	0.7	-82.7	NA	NA	NA	1.0
-4.6	5.9	1.0	-20.0	NA	NA	NA	1.0
-4.5	8.0	0.0	161.4	NA	NA	NA	1.0
-4.8	8.0	-0.5	-99.6	NA	NA	NA	1.9
-4.5	3.8	-0.3	-113.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	4.7	0.1	220.5	NA	NA	NA	0.4
-4.9	3.9	0.9	-103.5	NA	NA	NA	1.0
-4.6	4.1	1.2	-86.5	NA	NA	NA	1.0
-5.3	5.8	0.5	11.6	NA	NA	NA	1.0
-4.3	1.7	-0.4	129.4	NA	NA	NA	0.9
-4.5	2.3	-2.6	-108.8	NA	NA	NA	1.5
-4.6	3.5	0.5	-107.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.7	5.8	0.1	40.9	NA	NA	NA	0.3
-4.6	1.9	-2.3	-131.9	NA	NA	NA	1.6
-4.4	5.5	1.3	-113.2	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.1
-4.4	8.0	0.1	218.3	NA	NA	NA	1.0
-4.5	3.8	1.0	-121.5	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.8	7.8	-0.2	20.8	NA	NA	NA	1.7
-4.4	1.2	-0.2	40.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.2
-4.7	8.0	-0.1	-63.2	NA	NA	NA	1.2
-4.4	8.0	0.0	-217.4	NA	NA	NA	1.2
-4.8	8.0	0.5	27.4	-4.4	10.0	-4.9	0.5
-4.6	3.7	-2.3	-101.3	NA	NA	NA	1.7
-4.6	6.0	1.6	-77.0	NA	NA	NA	1.3
-4.5	7.8	0.1	-26.4	NA	NA	NA	1.0
-4.4	3.8	-0.7	135.8	NA	NA	NA	1.0
-4.7	8.0	-6.3	-87.6	NA	NA	NA	2.1
-4.7	8.0	0.3	-80.8	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.1	-0.1	39.2	NA	NA	NA	0.3
-4.6	2.6	-9.5	-120.7	NA	NA	NA	1.9
NA	NA	-0.6	NA	NA	NA	NA	1.0
-6.3	2.6	-1.0	85.0	-5.8	10.0	-55.2	2.4
-6.3	3.0	-1.1	52.1	-5.9	10.0	-22.4	1.6
-6.2	2.3	0.2	-34.4	NA	NA	NA	1.2
-5.6	1.2	0.8	-35.1	NA	NA	NA	1.0
-4.6	3.8	0.5	23.8	NA	NA	NA	1.0
-4.5	0.8	-0.7	64.3	NA	NA	NA	1.0
-5.4	2.1	-1.9	-29.4	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.8	2.3	0.0	43.5	-4.1	10.0	6.0	1.0
-4.9	3.3	-0.2	27.2	NA	NA	NA	0.9
NA	NA	0.5	NA	NA	NA	NA	1.8
NA	NA	0.3	NA	NA	NA	NA	1.0
-4.7	2.9	0.8	24.2	NA	NA	NA	1.0
-4.8	8.0	0.0	16.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.7
-4.7	8.0	-0.1	-9.0	NA	NA	NA	1.0
-4.8	3.3	0.1	42.6	NA	NA	NA	1.0
-4.8	2.9	0.1	35.8	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	2.2
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.7	7.3	-0.1	21.2	NA	NA	NA	1.0
-4.8	2.2	-0.3	22.9	NA	NA	NA	0.9
NA	NA	-3.9	NA	NA	NA	NA	2.2
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.9	6.3	0.7	37.2	-4.2	2.7	9.2	1.1
-4.8	2.6	1.1	43.8	-4.3	9.5	1.6	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
-4.4	0.9	0.7	-21.7	NA	NA	NA	1.0
-4.6	3.1	2.2	101.2	NA	NA	NA	1.5
-4.5	1.8	2.0	101.2	NA	NA	NA	1.0
NA	NA	3.1	NA	NA	NA	NA	2.0
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.1	3.7	1.4	72.6	NA	NA	NA	1.5
-4.1	3.7	1.7	74.2	NA	NA	NA	1.1
NA	NA	2.7	NA	NA	NA	NA	1.5
-5.2	3.6	-0.4	-14.7	NA	NA	NA	1.0
-5.2	1.9	1.7	43.0	-5.0	0.4	18.0	1.0
-5.0	1.9	0.0	41.5	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.6
-5.8	3.4	0.6	-16.6	NA	NA	NA	1.0
-5.4	4.4	2.9	83.7	-4.8	2.3	55.7	1.2
-5.4	4.0	0.8	62.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.0	NA	NA	NA	NA	0.9
-4.2	2.3	-0.4	65.2	NA	NA	NA	1.3
-4.2	2.3	-0.6	80.7	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.5	8.0	-1.5	30.7	NA	NA	NA	2.2
NA	NA	1.3	NA	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.6
NA	NA	-5.8	NA	NA	NA	NA	1.9
-5.9	3.1	-1.8	27.6	NA	NA	NA	1.2
-5.8	2.3	-0.5	25.0	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	1.4
-5.1	3.3	0.0	-20.4	NA	NA	NA	1.0
-5.5	8.0	-4.6	15.9	-4.7	9.9	-3.0	1.6
-5.4	8.0	-0.4	36.1	-3.9	0.5	-2.8	1.0
NA	NA	3.1	NA	NA	NA	NA	2.0
-7.1	7.8	-0.9	-8.3	NA	NA	NA	1.0
-7.2	4.4	-0.7	95.1	-6.6	2.9	-1.6	1.0
-7.2	4.1	0.9	78.2	-6.6	3.0	1.4	1.0
NA	NA	5.5	NA	NA	NA	NA	1.9
NA	NA	-0.1	NA	NA	NA	NA	1.4
-4.4	8.0	4.6	62.4	NA	NA	NA	1.8
-4.2	3.1	1.4	75.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.3
NA	NA	1.3	NA	NA	NA	NA	0.6
-4.3	8.0	-2.5	58.9	NA	NA	NA	1.9
-4.3	8.0	-3.0	28.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
-5.6	1.7	-2.8	-59.0	NA	NA	NA	1.3
-6.0	8.0	-1.1	-24.6	NA	NA	NA	1.8
-4.7	2.6	-0.3	30.0	NA	NA	NA	1.8
-5.3	3.8	-2.9	-86.6	NA	NA	NA	1.7
-7.5	8.0	-4.6	27.4	-6.9	1.2	0.7	1.9
-4.2	6.7	-2.0	42.2	NA	NA	NA	0.7
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.6	8.0	3.5	-84.2	NA	NA	NA	2.6
-5.2	1.8	-2.5	-64.8	NA	NA	NA	1.7
NA	NA	-0.7	NA	NA	NA	NA	0.1
-4.6	2.3	-0.1	56.5	NA	NA	NA	0.4
-4.9	8.0	-1.8	-98.1	-4.4	4.1	-53.6	1.4
-4.5	3.4	-4.0	-51.6	NA	NA	NA	1.1
-4.4	8.0	2.1	28.8	NA	NA	NA	1.7
-4.4	4.0	4.7	75.1	NA	NA	NA	1.9
-4.5	1.6	-4.2	-92.8	NA	NA	NA	2.4
-4.8	0.5	0.0	-70.5	NA	NA	NA	1.7
NA	NA	-0.8	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.2	0.1	19.4	NA	NA	NA	0.3
-4.9	8.0	0.7	-91.3	NA	NA	NA	2.0
-4.9	2.1	-0.8	-80.0	NA	NA	NA	1.4
-5.2	8.0	-0.9	-17.6	NA	NA	NA	1.0
-4.3	1.4	-0.1	226.6	NA	NA	NA	1.1
-5.2	4.1	-0.5	-93.3	NA	NA	NA	1.6
NA	NA	-1.9	NA	NA	NA	NA	1.4
-5.2	0.4	6.6	24.6	NA	NA	NA	1.9
NA	NA	9.6	NA	NA	NA	NA	1.9
NA	NA	1.4	NA	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	0.5
-4.6	2.1	-2.3	51.8	NA	NA	NA	1.4
-4.6	2.6	-1.8	39.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.2
-4.9	3.2	0.0	-16.7	NA	NA	NA	1.0
-5.2	3.8	0.9	80.0	NA	NA	NA	1.8
-5.0	2.7	1.2	84.4	-4.2	1.7	41.6	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.6	4.0	2.7	59.3	NA	NA	NA	1.6
-4.5	2.3	1.1	46.4	NA	NA	NA	1.0
NA	NA	3.7	NA	NA	NA	NA	1.5
-4.3	2.3	-3.2	-97.1	NA	NA	NA	1.0
-5.3	8.0	2.2	27.2	-4.5	3.1	-39.3	1.3
-4.6	0.8	1.9	53.9	NA	NA	NA	1.5
-4.3	5.9	-0.4	-97.6	NA	NA	NA	1.0
-4.2	4.9	-1.0	-88.0	NA	NA	NA	1.0
-5.1	1.1	-0.7	97.0	-4.3	9.5	-111.1	1.8
-5.3	2.5	0.1	44.0	-4.2	9.9	9.1	1.0
-4.4	8.0	1.8	-101.5	NA	NA	NA	1.4
-4.2	4.7	1.3	-73.0	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	0.4
-4.2	3.1	0.3	72.0	NA	NA	NA	1.0
-4.2	8.0	0.7	-97.3	NA	NA	NA	1.2
-4.2	5.7	-1.1	-106.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.7	0.0	188.6	NA	NA	NA	0.4
-4.2	8.0	1.0	-132.2	NA	NA	NA	1.0
-4.3	4.1	-1.7	-57.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	5.9	0.3	66.5	NA	NA	NA	0.5
-4.2	5.4	2.0	-93.5	NA	NA	NA	1.2
-4.2	8.0	-0.1	-112.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.3
-4.2	8.0	0.0	192.5	NA	NA	NA	0.5
-4.2	7.8	2.3	-116.3	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.8	0.7	-86.6	NA	NA	NA	1.0
-5.4	4.7	0.8	31.2	-4.7	2.6	-35.1	1.2
-4.2	1.0	-0.1	82.1	NA	NA	NA	1.3
-4.5	4.9	1.1	-90.5	NA	NA	NA	1.5
-4.2	3.2	0.0	-87.1	NA	NA	NA	1.0
-4.4	0.7	0.1	91.5	-4.2	10.0	-100.8	1.8
-4.7	1.3	0.1	64.4	-4.1	9.2	8.8	1.3
-4.1	5.0	-0.2	-131.2	NA	NA	NA	1.5
-4.4	8.0	-1.0	-74.1	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.2	3.8	0.7	189.2	NA	NA	NA	1.0
-4.4	8.0	0.5	-92.3	NA	NA	NA	2.0
-4.5	6.5	0.5	-87.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	5.0	0.0	179.1	NA	NA	NA	0.4
-4.3	2.1	-0.8	-130.8	NA	NA	NA	1.6
-4.2	8.0	0.8	-89.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.4	99.3	NA	NA	NA	0.5
-4.3	8.0	-3.2	-89.7	NA	NA	NA	1.7
-4.3	2.7	-1.0	-98.0	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	3.5	0.1	32.2	NA	NA	NA	0.3
-4.2	8.0	-0.3	-129.2	NA	NA	NA	1.2
-4.3	2.9	0.1	-97.4	NA	NA	NA	1.2
NA	NA	-1.8	NA	NA	NA	NA	0.8
-4.1	7.9	-0.5	233.3	NA	NA	NA	1.0
-4.2	8.0	-2.2	-101.5	NA	NA	NA	1.7
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.0	2.8	2.3	160.6	NA	NA	NA	2.0
-4.2	4.8	1.8	83.2	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
-5.6	1.9	-0.2	-14.6	NA	NA	NA	1.0
-5.3	0.8	-1.1	55.4	NA	NA	NA	1.4
-5.4	1.1	0.3	45.0	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4
NA	NA	1.0	NA	NA	NA	NA	1.2
-4.9	8.0	3.1	31.4	NA	NA	NA	1.3
-4.6	1.1	0.1	27.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.7	3.4	0.5	-19.1	NA	NA	NA	0.8
-4.6	1.7	2.1	104.8	NA	NA	NA	1.3
-4.5	2.3	1.0	98.3	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.4
NA	NA	-1.1	NA	NA	NA	NA	0.9
-4.6	8.0	1.5	27.0	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	1.0	19.4	NA	NA	NA	1.1
NA	NA	0.4	NA	NA	NA	NA	0.8
-4.4	8.0	1.2	-29.0	NA	NA	NA	1.2
-4.4	3.1	1.2	42.8	NA	NA	NA	1.0
-4.3	8.0	0.8	38.8	NA	NA	NA	0.5
-4.4	4.8	2.7	-72.8	NA	NA	NA	1.1
-4.9	8.0	1.1	-12.5	NA	NA	NA	1.0
-4.3	0.9	-2.3	78.1	NA	NA	NA	1.9
-4.5	1.8	-1.1	71.2	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.6
-4.9	5.2	0.1	16.6	NA	NA	NA	0.5
-4.9	5.0	-0.2	10.0	NA	NA	NA	0.4
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.3	5.6	1.7	-27.4	NA	NA	NA	1.0
-4.3	2.4	-0.8	45.1	NA	NA	NA	1.0
-4.3	3.1	-0.7	53.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.2
NA	NA	1.5	NA	NA	NA	NA	1.3
-4.3	2.1	-1.1	72.5	NA	NA	NA	2.0
-4.7	3.7	-4.2	28.7	NA	NA	NA	1.5
NA	NA	1.7	NA	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.1
-4.5	2.9	0.5	67.4	NA	NA	NA	1.7
-4.6	5.1	0.2	39.8	NA	NA	NA	1.2
NA	NA	-3.8	NA	NA	NA	NA	1.6
-6.1	2.6	0.7	-67.8	-5.4	10.0	-26.2	1.2
-6.6	8.0	-0.1	49.4	-6.2	9.2	-39.0	2.0
-6.6	8.0	-3.1	42.4	-6.4	10.0	-19.0	1.9
-4.9	1.9	1.0	-98.7	NA	NA	NA	1.3
-4.4	8.0	-0.2	-70.6	NA	NA	NA	1.9
-7.3	2.4	2.2	32.1	-4.6	9.5	-139.5	2.7
-7.6	4.2	0.9	26.1	-5.0	0.7	-30.0	2.2
-7.3	3.4	1.1	-74.3	NA	NA	NA	2.5
-6.5	3.3	0.6	-25.2	-5.7	10.0	8.4	1.9
NA	NA	-2.6	NA	NA	NA	NA	1.3
-6.6	5.2	-0.7	12.2	-5.8	10.0	-8.9	1.1
NA	NA	-5.3	NA	NA	NA	NA	2.6
-4.8	8.0	1.5	-79.6	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	5.3	-0.2	88.1	NA	NA	NA	0.4
-4.6	8.0	-0.5	-96.6	NA	NA	NA	1.5
-7.4	6.0	-1.8	-29.0	-4.9	1.2	-10.7	1.6
-7.8	8.0	-0.8	46.1	-7.3	2.2	4.1	1.1
-7.7	5.6	1.1	36.4	-6.5	0.6	9.7	1.2
-7.5	4.5	-0.7	-71.3	-6.8	10.0	-10.9	2.4

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.7	1.2	-85.3	NA	NA	NA	1.1
-4.7	8.0	1.1	-28.7	NA	NA	NA	1.1
-4.3	8.0	0.8	51.8	NA	NA	NA	1.1
-4.7	2.8	1.2	-54.9	NA	NA	NA	1.0
-4.5	2.4	0.1	-57.9	NA	NA	NA	1.0
-5.3	8.0	-4.4	14.6	-4.3	3.8	-134.2	1.8
-4.9	1.5	-1.5	26.7	-4.1	9.9	0.1	1.0
-4.4	2.6	-0.3	-102.1	NA	NA	NA	1.3
-4.3	8.0	0.8	-68.3	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.3
-4.2	8.0	-0.9	48.5	NA	NA	NA	1.0
-4.4	2.8	-1.6	-83.0	NA	NA	NA	1.5
-4.5	4.3	1.4	-82.8	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.3	4.1	0.1	109.6	NA	NA	NA	0.4
-4.7	4.3	0.2	-91.7	NA	NA	NA	1.0
-4.4	2.4	-0.6	-60.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.4
-4.4	2.5	0.5	55.8	NA	NA	NA	0.9
-4.9	8.0	4.0	-48.5	NA	NA	NA	2.0
-4.3	4.8	1.6	-97.0	NA	NA	NA	1.5
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	5.7	0.0	27.8	NA	NA	NA	0.3
-4.3	4.0	0.1	-90.3	NA	NA	NA	1.3
-4.7	4.4	1.3	-75.5	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.7
-4.5	5.1	0.2	104.5	NA	NA	NA	1.0
-4.7	5.5	0.9	-101.6	NA	NA	NA	1.3
-4.3	2.8	0.1	-35.4	NA	NA	NA	1.0
-4.3	2.2	-2.3	103.9	NA	NA	NA	1.7
-4.5	2.8	-1.9	57.4	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.7
-4.8	2.7	-4.2	50.8	NA	NA	NA	1.6
-5.0	4.2	-2.9	23.6	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	1.9
NA	NA	-0.9	NA	NA	NA	NA	1.0
-5.0	8.0	-1.7	38.7	NA	NA	NA	1.8
-4.8	5.3	-0.7	32.3	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.6
-4.6	2.9	0.3	-118.2	NA	NA	NA	1.0
-5.2	3.5	1.3	45.0	-4.8	10.0	-34.0	1.5
-5.1	2.4	-0.5	36.6	NA	NA	NA	1.3
-4.6	3.2	0.3	-118.7	NA	NA	NA	1.1
-4.5	5.9	0.0	-66.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.4



ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	-0.4	56.2	NA	NA	NA	0.5
-4.5	3.4	1.6	-112.7	NA	NA	NA	1.4
-4.6	5.2	0.0	-90.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	5.4	0.0	125.9	NA	NA	NA	0.4
-4.6	7.9	2.2	-99.8	NA	NA	NA	1.0
-4.4	5.2	0.2	-102.7	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	4.1	-0.1	98.7	NA	NA	NA	0.5
-4.6	8.0	-6.6	-85.1	NA	NA	NA	1.7
-4.5	5.3	0.0	-104.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	4.7	-0.1	27.6	NA	NA	NA	0.3
-4.5	7.8	0.1	-127.8	NA	NA	NA	1.1
NA	NA	2.1	NA	NA	NA	NA	0.8
-4.8	8.0	2.7	89.2	-4.3	3.3	20.9	1.8
-4.9	6.1	-0.5	23.5	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.3
NA	NA	-2.2	NA	NA	NA	NA	0.6
-5.1	5.2	-2.2	52.3	-4.4	10.0	5.2	1.8
-4.7	2.1	1.5	54.5	-4.3	9.8	5.3	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.2
-5.0	1.1	-1.4	-24.3	NA	NA	NA	1.0
-5.1	2.2	-2.6	20.3	NA	NA	NA	1.1
-5.0	1.8	-1.3	26.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.8
-5.1	2.3	1.2	-33.1	NA	NA	NA	1.0
-5.7	8.0	-1.5	13.4	NA	NA	NA	1.2
-4.8	1.0	-1.0	52.9	NA	NA	NA	1.1
NA	NA	1.5	NA	NA	NA	NA	1.6
-5.1	8.0	2.1	-13.8	NA	NA	NA	1.2
-5.3	8.0	-0.9	49.7	NA	NA	NA	1.5
-5.1	4.2	-1.4	51.4	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.8
-5.1	7.9	1.6	25.1	-4.6	9.5	3.7	1.0
-4.6	1.9	1.0	326.2	NA	NA	NA	1.0
-4.8	2.9	-0.5	196.1	NA	NA	NA	1.0
-4.8	3.9	-0.5	-67.4	NA	NA	NA	1.0
-4.9	8.0	2.2	-72.4	NA	NA	NA	1.0
-5.2	2.5	0.1	39.5	NA	NA	NA	0.5
-4.7	2.3	-0.2	149.5	NA	NA	NA	0.4
-5.6	5.9	0.8	47.7	-4.9	7.3	-94.5	1.1
-4.8	6.7	-0.8	-37.3	NA	NA	NA	1.0
-5.1	2.2	-0.2	53.7	NA	NA	NA	1.0
-4.7	2.2	0.4	231.8	NA	NA	NA	0.9
-5.0	2.3	2.0	-90.3	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.5	-0.3	-27.6	NA	NA	NA	1.0
-5.0	3.3	0.2	65.3	NA	NA	NA	0.5
-4.9	3.6	0.2	44.5	NA	NA	NA	0.3
NA	NA	1.4	NA	NA	NA	NA	1.2
-4.8	1.2	1.0	-41.4	NA	NA	NA	1.0
-5.1	1.6	1.8	74.6	-4.4	10.0	20.1	1.1
-5.0	1.4	0.2	80.6	NA	NA	NA	1.1
NA	NA	0.6	NA	NA	NA	NA	1.6
-4.7	2.3	0.1	-22.1	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	0.3
-4.7	1.8	0.2	14.1	NA	NA	NA	1.0
NA	NA	-3.2	NA	NA	NA	NA	2.2
-5.6	2.3	-0.7	-74.6	NA	NA	NA	1.0
-6.1	8.0	1.5	27.7	-5.6	10.0	-34.5	1.1
-4.6	2.1	1.8	81.9	NA	NA	NA	1.3
-5.8	8.0	1.4	-98.7	NA	NA	NA	1.2
-6.0	2.1	4.7	-59.3	NA	NA	NA	1.1
-6.6	3.5	-9.8	160.7	-5.9	4.3	-178.3	2.9
-6.7	4.9	-6.6	139.5	-6.3	1.7	-26.8	2.3
-6.2	1.4	2.1	-103.3	NA	NA	NA	1.3
-7.0	2.3	1.1	10.3	-4.9	2.1	-68.4	1.4
-6.0	8.0	-1.0	-12.1	NA	NA	NA	1.0
-4.7	8.0	-4.2	64.8	NA	NA	NA	1.7
-5.9	2.2	-0.7	-76.2	NA	NA	NA	2.8
-6.1	5.7	-1.5	-78.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-6.0	4.0	0.1	86.7	NA	NA	NA	0.7
-6.0	8.0	2.1	-101.5	NA	NA	NA	1.7
-5.1	1.8	-1.8	-75.4	NA	NA	NA	1.2
-6.0	8.0	-1.0	58.3	-5.5	10.0	-0.9	1.0
-4.5	1.5	0.3	248.6	NA	NA	NA	0.9
-5.5	1.0	1.7	-96.4	NA	NA	NA	2.0
-5.8	2.5	3.5	-72.6	NA	NA	NA	1.7
NA	NA	-0.6	NA	NA	NA	NA	0.5
-4.9	0.8	-0.7	43.4	NA	NA	NA	0.3
-5.8	8.0	3.1	-97.9	NA	NA	NA	1.3
-5.7	2.8	3.2	-72.1	NA	NA	NA	1.5
-5.8	5.8	1.5	-14.9	NA	NA	NA	1.0
-4.6	1.0	0.2	198.2	NA	NA	NA	1.0
-5.8	2.6	3.8	-103.5	NA	NA	NA	1.4
-6.1	2.8	2.7	-79.7	NA	NA	NA	1.4
-6.0	6.7	-2.3	-27.9	NA	NA	NA	1.6
-4.7	0.9	-1.7	111.3	NA	NA	NA	1.9
-6.1	5.5	0.0	-92.0	NA	NA	NA	1.5
-6.2	1.7	3.8	-54.4	NA	NA	NA	1.8
-6.7	2.7	-5.4	168.5	-5.9	3.2	-160.6	2.7

ga	gw	zr	tp	la	lw	bt	er
-6.9	4.7	-8.2	88.3	-5.8	10.0	-29.0	2.3
-6.5	1.5	0.4	-97.6	NA	NA	NA	1.4
-5.0	3.1	3.9	-63.2	NA	NA	NA	1.8
-6.0	8.0	-1.2	-11.7	NA	NA	NA	1.0
-4.8	3.3	0.2	137.6	-4.1	0.4	79.0	1.0
-5.9	1.8	-2.9	-81.7	NA	NA	NA	2.1
-6.3	4.2	1.9	-82.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-5.7	1.2	-1.1	111.4	NA	NA	NA	1.3
-6.6	4.9	0.0	-93.8	NA	NA	NA	1.5
-4.8	1.0	2.0	-103.7	NA	NA	NA	1.5
-6.0	6.4	-0.3	33.8	-5.5	8.2	-1.5	1.0
-6.1	8.0	-0.6	27.2	NA	NA	NA	1.3
-5.6	1.4	-3.7	-71.6	NA	NA	NA	1.6
-5.9	1.8	1.4	-74.3	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	0.3
-5.0	0.8	-0.5	29.4	NA	NA	NA	0.3
-6.0	7.6	3.9	-95.4	NA	NA	NA	1.8
-6.0	1.6	2.3	-70.2	NA	NA	NA	1.4
-6.1	8.0	1.0	-16.5	NA	NA	NA	1.0
-4.7	0.7	-0.5	198.9	NA	NA	NA	1.5
-6.1	3.0	0.5	-96.9	NA	NA	NA	1.3
-4.7	7.4	-0.6	-68.1	NA	NA	NA	1.0
-5.0	5.4	-1.4	27.1	-4.6	10.0	-34.5	1.1
-4.9	6.6	-1.2	30.9	-4.2	1.9	-11.6	1.2
-4.6	8.0	0.9	-89.8	NA	NA	NA	1.2
-4.7	8.0	1.3	-57.5	NA	NA	NA	1.2
-5.2	6.1	0.3	80.2	-4.6	6.4	-146.8	1.8
-5.1	8.0	-0.3	90.4	-4.6	4.5	-28.3	1.2
-4.8	2.8	1.0	-98.4	NA	NA	NA	1.0
-4.8	5.8	1.3	-78.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	3.1	-0.4	82.0	NA	NA	NA	0.4
-6.3	1.2	-1.1	19.2	-4.8	7.4	-95.0	1.0
-4.5	3.4	-1.7	-22.3	NA	NA	NA	1.0
-4.6	8.0	-1.4	64.0	-4.2	1.3	22.9	1.0
-4.6	7.4	0.1	56.3	-4.1	0.9	34.8	0.9
NA	NA	0.5	NA	NA	NA	NA	1.9
-4.7	4.8	3.8	-66.0	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	2.2	-0.3	14.3	NA	NA	NA	0.3
-4.6	8.0	2.9	-99.1	NA	NA	NA	1.4
-4.2	2.6	0.7	-107.0	NA	NA	NA	1.0
-4.3	7.9	1.4	-22.8	NA	NA	NA	1.0
-4.3	6.7	0.4	66.8	NA	NA	NA	1.0
-4.4	2.8	3.1	-99.9	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.2	NA	NA	NA	NA	0.4
-4.2	5.6	-1.1	75.9	NA	NA	NA	1.0
-4.2	6.8	-0.8	83.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.8
NA	NA	-0.3	NA	NA	NA	NA	1.0
-5.0	3.0	-0.7	55.2	NA	NA	NA	2.0
-5.0	1.8	-1.6	49.5	NA	NA	NA	2.0
NA	NA	1.4	NA	NA	NA	NA	1.2
NA	NA	1.6	NA	NA	NA	NA	1.5
-4.2	8.0	0.8	88.6	NA	NA	NA	1.0
-4.2	4.9	-0.4	76.5	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	2.0
-6.7	2.7	-0.1	-13.4	NA	NA	NA	1.0
-6.2	1.3	-0.8	35.7	NA	NA	NA	1.0
-6.5	2.2	-0.6	34.8	NA	NA	NA	1.0
-6.5	3.1	0.2	-62.8	NA	NA	NA	1.4
NA	NA	0.8	NA	NA	NA	NA	0.9
-4.7	1.4	0.8	30.8	NA	NA	NA	1.8
-4.5	8.0	0.8	19.0	-4.0	10.0	1.5	0.8
NA	NA	2.8	NA	NA	NA	NA	1.2
-4.5	2.8	0.8	-17.0	NA	NA	NA	1.0
-4.4	1.6	1.7	53.5	NA	NA	NA	1.1
-4.4	2.1	1.5	51.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.9
-5.0	8.0	0.1	-16.4	NA	NA	NA	1.0
-4.8	2.1	-2.2	113.0	NA	NA	NA	1.3
-4.9	2.6	-0.5	87.9	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.8
-5.0	8.0	-2.0	-17.4	NA	NA	NA	1.0
-5.1	3.0	-2.3	73.9	NA	NA	NA	1.4
-5.0	3.8	0.6	84.1	-4.3	3.1	52.8	1.0
NA	NA	4.1	NA	NA	NA	NA	1.8
NA	NA	-1.3	NA	NA	NA	NA	0.7
-4.2	1.5	1.7	68.8	NA	NA	NA	2.1
-4.2	2.1	1.5	48.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	1.3
-4.4	8.0	-0.2	30.0	NA	NA	NA	0.5
-4.2	4.6	0.1	37.2	NA	NA	NA	1.0
NA	NA	6.6	NA	NA	NA	NA	2.3
-4.6	2.5	-1.6	-78.0	NA	NA	NA	1.4
-5.2	3.7	-0.1	41.6	-4.7	9.9	0.1	1.2
-5.2	3.4	-0.1	31.9	-4.4	4.1	-1.7	1.0
-4.4	1.9	-1.6	-100.0	NA	NA	NA	1.2
-4.6	7.4	0.9	-57.4	NA	NA	NA	1.0
-4.4	8.0	1.1	-169.3	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.8	7.7	0.5	23.3	-4.6	9.4	-16.5	0.5
-4.4	4.6	2.6	-126.7	NA	NA	NA	1.5
-4.6	2.2	-0.5	-28.7	NA	NA	NA	1.3
-4.6	2.5	0.4	54.9	NA	NA	NA	1.1
-4.5	2.3	0.2	66.0	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.8
NA	NA	-1.2	NA	NA	NA	NA	0.8
-4.5	2.7	-1.4	67.1	NA	NA	NA	1.4
-4.5	3.0	0.1	59.9	NA	NA	NA	1.2
NA	NA	-1.1	NA	NA	NA	NA	0.9
NA	NA	-0.8	NA	NA	NA	NA	1.2
NA	NA	-3.3	NA	NA	NA	NA	1.4
-4.6	5.9	-2.4	21.1	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.2
NA	NA	-1.9	NA	NA	NA	NA	1.1
-5.1	4.0	-1.6	24.4	NA	NA	NA	1.6
-5.0	8.0	0.6	28.4	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.7
-4.4	1.4	-3.1	-48.2	NA	NA	NA	1.1
-4.9	2.4	-0.1	21.6	-4.1	9.9	-13.2	1.5
-5.0	2.0	1.4	29.0	NA	NA	NA	1.5
NA	NA	-1.6	NA	NA	NA	NA	1.4
-4.4	7.5	-1.1	-37.3	NA	NA	NA	1.0
-5.0	2.4	-3.7	37.4	-4.3	4.9	-139.5	1.9
-4.7	4.9	0.3	26.7	-4.3	4.5	-43.7	1.0
-4.4	8.0	-0.9	-78.8	NA	NA	NA	1.3
-4.2	8.0	-1.0	-39.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.4	7.8	0.1	32.0	NA	NA	NA	0.9
-4.2	8.0	-0.8	-96.1	NA	NA	NA	1.7
-4.1	3.6	-0.3	-89.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.3
-4.2	3.6	-0.3	86.0	NA	NA	NA	1.0
-4.1	8.0	-0.7	-101.5	NA	NA	NA	2.3
-4.3	2.1	-1.0	-65.3	NA	NA	NA	1.0
-4.8	8.0	-4.6	24.1	-4.2	2.7	-19.4	1.5
-4.8	4.9	-1.7	24.9	NA	NA	NA	1.1
-4.2	8.0	-1.3	-60.1	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	0.8
-4.4	1.1	0.5	102.0	-4.2	10.0	13.3	2.2
-4.5	4.1	1.6	69.6	-4.2	10.0	10.6	1.0
NA	NA	-1.7	NA	NA	NA	NA	0.8
-4.2	3.6	-1.3	-105.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	7.4	0.3	97.5	NA	NA	NA	0.4
-4.5	1.4	-1.7	50.0	-4.3	10.0	-77.0	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	7.4	0.8	-68.6	NA	NA	NA	1.0
-4.8	4.3	-0.4	17.6	-4.1	9.0	-18.5	1.0
-4.2	2.8	0.0	159.3	NA	NA	NA	1.0
-4.2	8.0	0.0	-99.6	NA	NA	NA	1.6
-7.0	8.0	1.6	-7.9	NA	NA	NA	1.0
-6.7	1.3	0.4	54.6	NA	NA	NA	2.0
-6.8	1.2	-1.5	42.2	NA	NA	NA	1.6
NA	NA	0.1	NA	NA	NA	NA	1.3
-6.2	1.4	-1.0	-10.7	NA	NA	NA	1.2
-6.2	1.1	-1.1	74.6	NA	NA	NA	1.0
-6.1	1.4	-0.7	90.9	-5.9	3.4	61.5	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.9
-4.4	1.7	-0.6	-101.9	NA	NA	NA	1.0
-4.8	0.9	-2.3	34.8	-4.4	10.0	-16.0	1.2
-4.7	2.2	-0.6	78.9	NA	NA	NA	1.1
-4.5	7.5	-1.3	-86.5	NA	NA	NA	1.0
-4.4	6.4	1.9	-71.0	NA	NA	NA	1.0
-4.2	7.5	0.4	-18.8	NA	NA	NA	1.0
-4.4	8.0	-0.4	58.3	NA	NA	NA	1.0
-4.5	4.2	-1.5	-88.4	NA	NA	NA	1.6
-4.2	5.5	-1.7	-91.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.2	0.3	139.0	NA	NA	NA	0.4
-4.2	5.0	2.6	-134.6	NA	NA	NA	1.0
-4.4	2.7	4.7	-89.1	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	3.3	-0.2	35.9	NA	NA	NA	0.3
-4.3	7.1	0.2	-100.0	NA	NA	NA	1.6
-4.9	2.2	-2.5	-32.2	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.1
-5.0	1.7	0.3	17.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.7
-4.7	8.0	1.2	-11.7	NA	NA	NA	0.6
-4.7	3.6	-0.6	34.5	NA	NA	NA	1.0
-4.7	3.7	-1.2	26.5	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	0.5
-4.9	1.6	-0.5	67.7	-4.4	9.9	23.3	1.5
-5.0	1.2	-0.7	42.1	-4.4	10.0	12.8	1.1
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.9	1.8	1.6	-28.0	NA	NA	NA	1.0
-5.4	4.3	0.3	37.8	-5.1	5.3	8.7	1.0
-5.5	8.0	-0.1	29.2	-4.6	1.3	9.2	0.9
-5.2	8.0	-5.5	-72.8	NA	NA	NA	2.0
-5.8	1.5	0.5	-73.0	-4.5	1.5	-44.2	1.8
-6.3	3.2	-0.7	68.3	-5.8	6.4	-27.0	1.6

ga	gw	zr	tp	la	lw	bt	er
-6.3	3.1	-0.7	69.7	-5.8	9.0	-0.6	1.8
-5.4	8.0	0.2	-78.5	-4.7	5.9	-50.5	2.0
NA	NA	-1.2	NA	NA	NA	NA	1.3
-5.1	0.9	-2.6	65.7	NA	NA	NA	2.3
-4.8	0.8	-0.9	61.1	NA	NA	NA	1.7
-5.3	1.2	-1.8	-37.7	NA	NA	NA	2.2
-6.6	2.7	0.4	-16.9	NA	NA	NA	1.6
-6.7	5.7	0.0	29.4	-6.2	9.6	4.4	1.5
-6.8	8.0	-0.1	19.3	NA	NA	NA	1.3
-6.4	2.9	0.1	-54.6	NA	NA	NA	2.5
-5.9	1.3	0.3	-50.1	NA	NA	NA	1.8
-6.3	5.6	0.3	61.0	-5.9	5.0	-30.6	1.5
-6.3	4.0	0.1	55.0	-5.9	8.9	-3.0	1.7
-5.3	8.0	-1.2	-66.5	-5.1	0.6	-36.8	2.3
-4.6	0.8	1.3	-20.2	NA	NA	NA	1.2
-4.8	1.7	0.2	64.8	NA	NA	NA	1.9
-4.7	1.5	-0.3	57.3	NA	NA	NA	1.2
NA	NA	-1.6	NA	NA	NA	NA	1.8
-6.0	1.6	0.1	-18.7	-4.3	3.0	-5.5	1.4
-6.4	8.0	0.1	22.8	-5.8	9.9	4.5	1.1
-6.4	7.2	0.0	15.0	NA	NA	NA	0.9
-6.0	3.3	-1.8	-56.8	NA	NA	NA	2.4
-5.9	1.5	-0.9	-76.4	-4.4	1.6	-48.1	1.9
-6.5	2.4	0.2	73.7	-6.0	10.0	-32.0	2.0
-6.4	2.3	-0.1	88.4	-6.1	10.0	5.6	2.3
-5.7	8.0	0.4	-92.0	-4.2	5.1	-45.1	1.9
-5.7	1.0	-0.2	-10.3	NA	NA	NA	1.3
-5.1	0.9	-0.2	44.8	NA	NA	NA	2.4
-5.3	0.9	0.4	37.9	NA	NA	NA	1.8
-5.4	1.7	-0.9	-45.5	NA	NA	NA	2.2
-6.5	1.9	0.1	-21.4	NA	NA	NA	1.7
-6.9	4.5	-0.3	31.8	-6.5	1.7	6.8	1.7
-6.9	8.0	-0.3	16.3	NA	NA	NA	1.6
-6.4	1.3	1.2	-51.2	NA	NA	NA	2.9
-4.4	4.0	0.9	-33.5	NA	NA	NA	1.3
-4.7	2.2	-0.7	41.1	-4.0	10.0	3.2	1.0
-4.4	2.5	-0.6	70.4	NA	NA	NA	1.0
-4.4	6.6	-0.3	-68.9	NA	NA	NA	1.9
-5.9	5.3	1.1	-7.9	NA	NA	NA	0.8
-5.9	8.0	0.2	22.9	-4.3	10.0	-4.7	1.3
-5.9	8.0	-0.2	19.3	-4.3	10.0	-7.2	1.0
NA	NA	0.8	NA	NA	NA	NA	1.0
-4.1	3.0	-0.6	-36.3	NA	NA	NA	1.0
-4.7	2.9	0.2	23.6	NA	NA	NA	2.0
-4.2	1.5	0.0	67.9	NA	NA	NA	1.0
-4.2	2.5	-1.7	-71.1	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-5.1	1.4	3.6	21.1	NA	NA	NA	1.4
-5.9	1.8	0.6	15.3	-4.1	9.9	-10.9	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.6
NA	NA	-3.0	NA	NA	NA	NA	1.9
-4.2	5.9	1.3	-101.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.8	-0.4	54.3	NA	NA	NA	0.4
-4.3	2.3	0.7	-115.3	NA	NA	NA	1.0
-4.1	4.2	2.1	-63.2	NA	NA	NA	1.0
-5.1	1.1	1.0	54.8	-4.4	10.0	5.1	1.0
-5.0	1.2	-0.3	33.0	NA	NA	NA	1.0
-4.1	3.7	6.6	-94.7	NA	NA	NA	1.7
-5.2	2.1	2.5	-89.4	NA	NA	NA	1.0
-5.5	8.0	-3.8	64.9	-5.0	3.0	-34.3	1.3
-5.4	3.7	-3.7	115.0	-4.6	7.9	48.7	1.1
-4.9	3.2	0.7	-97.3	NA	NA	NA	1.0
-4.8	2.7	-0.2	-70.3	NA	NA	NA	1.0
-4.4	1.8	-0.9	-197.5	NA	NA	NA	2.2
-5.1	8.0	0.0	44.9	-4.5	10.0	-2.8	1.6
-4.9	0.5	1.0	-131.0	NA	NA	NA	2.1
-4.3	2.6	2.0	-97.8	NA	NA	NA	1.6
-4.4	1.1	-0.3	-45.2	NA	NA	NA	1.0
-4.3	7.9	-1.9	111.0	NA	NA	NA	1.4
-4.9	1.1	-1.9	-106.0	NA	NA	NA	2.2
-4.9	2.4	1.5	-95.9	NA	NA	NA	0.8
-4.7	1.0	0.6	-7.4	NA	NA	NA	0.5
-4.3	2.1	-0.2	163.9	NA	NA	NA	0.4
-4.9	3.4	-3.6	-98.9	NA	NA	NA	1.9
-4.5	1.0	-0.1	-112.4	NA	NA	NA	1.0
-4.3	1.1	0.5	-18.9	NA	NA	NA	1.0
-4.3	2.1	0.6	179.6	NA	NA	NA	0.9
-5.1	0.7	7.8	-111.7	NA	NA	NA	1.8
-4.9	3.4	0.8	-87.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.7	2.9	0.1	31.3	NA	NA	NA	0.3
-4.8	2.1	-2.9	-103.3	NA	NA	NA	2.0
-4.6	0.8	-0.6	-119.3	NA	NA	NA	1.3
-4.8	1.2	0.0	-26.6	NA	NA	NA	1.0
-4.1	1.9	1.9	285.2	NA	NA	NA	1.0
-4.6	3.0	0.4	-102.8	NA	NA	NA	1.7
-4.2	2.4	-0.7	-62.3	NA	NA	NA	1.0
-4.7	2.9	2.7	141.5	-4.3	10.0	-69.0	1.6
-4.5	1.7	1.1	115.0	-4.2	10.0	2.5	1.0
-4.1	8.0	2.8	-130.3	NA	NA	NA	1.4
-4.1	3.4	0.9	-48.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.4



ga	gw	zr	tp	la	lw	bt	er
-4.3	6.3	0.3	21.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	2.1
-4.5	2.2	-0.5	-50.9	NA	NA	NA	1.1
-4.9	1.0	-0.8	103.2	NA	NA	NA	1.0
-4.7	1.2	-0.3	128.4	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.8
-4.5	2.7	0.8	-23.7	NA	NA	NA	1.0
-4.4	1.0	0.1	144.6	NA	NA	NA	1.0
-4.3	0.9	-0.2	117.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
-5.1	1.5	2.2	17.1	-4.0	10.0	-13.6	1.2
-4.2	0.8	-0.5	111.0	NA	NA	NA	1.9
-4.1	8.0	1.2	100.9	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.7
-4.4	3.2	-0.4	-25.7	NA	NA	NA	1.0
-4.4	2.7	0.7	62.3	NA	NA	NA	1.3
-4.4	3.4	0.3	63.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.6	1.8	-0.8	-14.1	NA	NA	NA	0.8
-4.6	1.1	0.1	35.7	NA	NA	NA	2.0
-4.4	1.4	0.5	54.9	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.7	2.2	-0.2	42.7	-4.1	10.0	7.6	1.0
-4.9	4.5	0.0	29.6	NA	NA	NA	0.9
NA	NA	0.4	NA	NA	NA	NA	1.8
-4.3	2.1	0.3	-24.1	NA	NA	NA	1.0
-4.4	3.8	0.1	44.8	NA	NA	NA	1.3
-4.3	3.0	0.1	56.4	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	1.2
-4.3	1.3	-1.3	50.7	NA	NA	NA	1.6
-4.3	1.6	0.0	62.4	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.6	2.5	-0.1	27.8	-4.0	10.0	0.7	1.0
-4.6	2.6	0.0	23.0	-4.0	9.5	-19.4	0.9
NA	NA	-0.3	NA	NA	NA	NA	1.9
-4.4	3.2	1.1	-28.7	NA	NA	NA	1.0
-4.5	3.2	-0.6	64.9	NA	NA	NA	1.0
-4.4	2.5	-1.0	82.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.7	2.6	1.2	-12.3	NA	NA	NA	0.9
-4.1	1.2	0.8	69.1	NA	NA	NA	1.7
-4.3	1.4	-0.3	59.1	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.1	1.3	-78.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
-4.4	8.0	-1.3	69.3	NA	NA	NA	1.0
-4.4	8.0	3.8	-49.3	NA	NA	NA	1.6
NA	NA	1.2	NA	NA	NA	NA	0.9
-5.3	2.7	1.7	86.7	-4.4	3.0	-64.3	1.6
-5.3	3.9	-0.1	43.6	NA	NA	NA	1.2
-4.1	3.5	-0.9	-119.5	NA	NA	NA	1.5
-4.2	2.9	0.9	-44.7	NA	NA	NA	1.1
-4.4	4.7	0.9	25.0	NA	NA	NA	0.5
-4.2	3.5	0.4	49.5	NA	NA	NA	0.9
-4.2	1.0	-5.8	-72.7	NA	NA	NA	1.8
-4.2	2.2	-0.9	-63.5	NA	NA	NA	1.1
NA	NA	-1.5	NA	NA	NA	NA	0.8
-4.1	4.0	-0.2	53.7	NA	NA	NA	1.0
-4.2	2.2	5.2	-89.2	NA	NA	NA	2.1
NA	NA	-4.0	NA	NA	NA	NA	1.3
-5.9	1.8	0.1	53.9	-5.3	2.3	17.8	1.0
-6.0	1.6	0.3	44.9	-5.1	2.0	19.0	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.7	8.0	0.8	-11.0	NA	NA	NA	0.7
-4.7	5.9	-3.4	36.3	NA	NA	NA	2.0
-4.6	4.8	-1.5	36.7	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.9	0.9	-1.6	-26.3	NA	NA	NA	1.0
-5.1	1.8	3.0	56.8	NA	NA	NA	1.4
-4.8	1.2	2.7	80.5	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.4	8.0	0.4	-32.9	NA	NA	NA	1.3
-5.1	4.1	0.6	19.3	-4.6	10.0	-118.6	1.4
NA	NA	0.9	NA	NA	NA	NA	0.4
-4.5	3.6	1.2	-114.3	NA	NA	NA	1.3
-4.4	8.0	-0.7	-84.6	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.1
-4.4	8.0	0.3	122.4	NA	NA	NA	1.0
-4.4	6.3	-0.1	-116.1	NA	NA	NA	1.5
-4.2	4.7	1.2	-52.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.2	8.0	-1.4	59.5	NA	NA	NA	1.3
-4.2	5.9	0.1	-55.4	NA	NA	NA	1.0
-4.1	8.0	0.5	-67.3	NA	NA	NA	1.0
-4.5	4.3	1.9	83.3	-4.1	10.0	-113.5	1.7
-4.5	1.7	-1.3	32.3	-4.2	10.0	-10.1	1.0
-4.1	6.5	0.0	-128.3	NA	NA	NA	1.4
-4.2	5.5	1.5	-108.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.1	4.3	-0.2	82.7	NA	NA	NA	0.4
-4.3	2.9	1.2	-134.9	NA	NA	NA	1.0
-4.4	3.8	1.3	-71.2	NA	NA	NA	1.0
-4.1	8.0	-2.5	-22.6	NA	NA	NA	1.0
-4.2	3.9	-1.2	74.8	NA	NA	NA	1.0
-4.4	5.0	0.1	-105.7	NA	NA	NA	1.6
-4.7	0.9	0.6	-41.9	NA	NA	NA	1.0
-4.6	1.0	-0.4	121.0	NA	NA	NA	1.5
-4.7	1.2	-1.2	135.2	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.7
-4.6	8.0	-1.9	21.4	NA	NA	NA	1.5
NA	NA	-1.9	NA	NA	NA	NA	1.2
NA	NA	3.1	NA	NA	NA	NA	1.3
-4.3	1.6	0.1	-22.0	NA	NA	NA	0.5
-5.0	2.2	1.1	61.3	NA	NA	NA	1.5
-4.7	1.7	0.3	66.6	NA	NA	NA	1.0
NA	NA	3.7	NA	NA	NA	NA	0.9
-5.0	1.0	4.0	-16.0	NA	NA	NA	1.2
-5.0	0.8	-3.0	50.6	NA	NA	NA	2.5
-5.1	1.4	-1.9	54.1	NA	NA	NA	2.1
NA	NA	1.5	NA	NA	NA	NA	1.1
-4.3	3.6	-0.9	-38.4	NA	NA	NA	1.0
-4.2	2.6	-0.5	96.0	NA	NA	NA	1.9
-4.1	2.3	0.1	115.2	NA	NA	NA	1.7
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	-2.3	NA	NA	NA	NA	1.2
-5.2	0.7	-0.6	63.0	-4.0	9.7	15.4	1.9
-5.7	1.2	-0.1	32.1	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.2
-5.6	0.9	-0.9	-35.0	NA	NA	NA	1.0
-5.8	1.2	-2.9	79.5	-4.8	9.9	38.8	1.3
-5.5	1.0	-0.8	115.2	-4.8	10.0	74.5	1.5
NA	NA	0.2	NA	NA	NA	NA	1.9
-4.5	4.4	3.6	-33.5	NA	NA	NA	1.4
NA	NA	1.8	NA	NA	NA	NA	1.2
-4.4	5.8	-0.3	15.9	NA	NA	NA	1.0
NA	NA	10.2	NA	NA	NA	NA	1.9
-4.6	1.5	1.0	59.2	NA	NA	NA	1.0
-5.6	3.3	0.7	11.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.7
NA	NA	0.2	NA	NA	NA	NA	1.4
-4.6	0.8	-1.9	147.4	NA	NA	NA	1.3
-4.4	8.0	-1.7	22.9	NA	NA	NA	1.9
-5.8	8.0	0.9	-32.1	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.1	8.0	2.5	-49.1	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	1.7
-4.2	7.9	-3.3	56.3	NA	NA	NA	1.1
-4.1	8.0	-2.6	-71.3	NA	NA	NA	1.7
-4.2	2.3	0.2	-47.1	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.8
-4.1	3.8	0.0	22.6	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	2.2
-4.8	8.0	1.5	-73.8	NA	NA	NA	1.0
-4.9	8.0	0.5	-9.4	NA	NA	NA	1.0
-4.8	7.9	0.2	30.0	NA	NA	NA	1.0
-4.8	8.0	1.5	-97.9	NA	NA	NA	1.7
-8.1	1.2	4.2	-10.8	NA	NA	NA	1.1
-7.4	0.7	-7.7	163.1	-7.0	9.9	72.2	2.7
-7.7	0.9	-10.1	113.6	-7.0	10.0	58.7	2.6
NA	NA	7.2	NA	NA	NA	NA	1.4
-4.5	4.8	1.7	-61.0	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.3
-4.5	4.5	-2.6	22.9	NA	NA	NA	1.0
-4.5	3.9	0.5	-62.8	NA	NA	NA	1.0
-4.3	2.9	1.4	-92.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	7.5	-0.2	30.2	NA	NA	NA	0.4
-4.2	8.0	-0.7	-66.3	NA	NA	NA	1.1
-4.3	3.3	0.8	-79.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	7.9	-0.3	45.6	NA	NA	NA	0.5
-4.4	8.0	-1.1	-72.5	NA	NA	NA	1.7
-4.1	5.6	-0.5	-53.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.3	0.0	33.1	NA	NA	NA	0.5
-4.2	2.5	1.1	-70.5	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.6	1.9	2.0	62.8	NA	NA	NA	1.4
-4.5	2.6	1.6	42.8	NA	NA	NA	1.3
NA	NA	-1.6	NA	NA	NA	NA	1.8
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.6	1.5	0.4	70.9	NA	NA	NA	1.2
-4.5	1.8	0.4	56.1	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.3
-5.6	4.7	-1.2	39.0	NA	NA	NA	1.0
-5.6	3.9	0.4	31.4	NA	NA	NA	1.0
-5.5	3.9	2.0	-48.4	NA	NA	NA	1.8
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.2	3.6	-7.1	95.2	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	-1.1	45.2	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	1.7
NA	NA	-3.5	NA	NA	NA	NA	1.4
-4.6	3.0	-3.7	50.4	NA	NA	NA	2.0
-4.8	1.4	1.1	46.5	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	-1.2	NA	NA	NA	NA	0.9
-4.2	2.3	3.3	108.9	NA	NA	NA	1.8
-4.5	3.2	1.9	54.6	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	1.0
-4.7	1.2	1.3	-15.0	NA	NA	NA	1.1
-5.1	1.3	2.1	109.6	NA	NA	NA	2.1
-5.0	1.2	-0.2	64.6	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	1.3
NA	NA	0.7	NA	NA	NA	NA	1.7
-4.3	1.5	3.1	78.5	NA	NA	NA	1.9
-4.5	1.8	0.7	32.3	NA	NA	NA	1.2
NA	NA	0.9	NA	NA	NA	NA	1.7
-4.5	8.0	0.4	-80.0	NA	NA	NA	1.0
-4.6	8.0	-2.5	-26.6	NA	NA	NA	1.1
-4.3	8.0	-2.2	94.2	NA	NA	NA	1.0
-4.5	7.8	4.4	-84.7	NA	NA	NA	1.6
-4.5	4.9	8.9	-65.4	NA	NA	NA	1.9
-5.4	8.0	-16.5	39.8	-4.4	10.0	-114.3	2.7
-5.3	8.0	-13.8	14.6	NA	NA	NA	2.5
-4.2	2.8	0.3	-128.8	NA	NA	NA	1.3
-4.3	8.0	2.2	-72.0	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.2	7.9	-0.8	252.1	NA	NA	NA	1.0
-4.7	8.0	0.0	-85.8	NA	NA	NA	1.9
-4.6	8.0	-1.4	-81.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	6.7	0.5	139.4	NA	NA	NA	0.4
-4.7	4.7	-0.5	-98.2	NA	NA	NA	2.0
-4.4	1.8	1.0	-109.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	1.8	-0.5	160.1	NA	NA	NA	0.9
-4.8	2.9	-3.0	-87.0	NA	NA	NA	1.8
-4.7	3.1	2.6	-85.8	NA	NA	NA	1.0
-5.0	7.9	0.5	-8.5	NA	NA	NA	0.5
-4.4	3.1	0.4	240.1	NA	NA	NA	1.0
-4.8	3.3	-0.6	-101.3	NA	NA	NA	1.6
-4.5	3.3	7.2	-78.1	NA	NA	NA	1.3
-4.9	7.9	-10.5	96.6	-4.6	10.0	-83.0	2.3
-4.9	7.4	-9.9	59.6	-4.6	9.5	10.8	2.0
-4.5	8.0	3.6	-99.8	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.7	1.1	-115.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	5.8	-0.2	82.3	NA	NA	NA	0.4
-4.8	4.3	6.1	-96.1	NA	NA	NA	1.6
-4.5	2.7	-0.2	-63.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	3.6	-0.1	30.6	NA	NA	NA	0.9
-4.8	4.4	0.1	-70.4	NA	NA	NA	1.5
-4.8	8.0	2.1	-81.9	NA	NA	NA	1.2
NA	NA	3.8	NA	NA	NA	NA	1.0
-4.7	8.0	1.2	98.8	NA	NA	NA	1.0
-4.9	7.5	7.7	-102.3	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	0.9
-4.4	8.0	-1.9	56.3	NA	NA	NA	1.7
-4.4	4.5	-0.4	34.2	NA	NA	NA	1.0
NA	NA	3.5	NA	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	0.5
-4.4	3.8	-0.7	59.6	NA	NA	NA	1.2
-4.6	6.0	-0.8	29.4	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.4
-4.2	6.1	2.2	-46.6	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.2	3.4	-0.1	26.2	NA	NA	NA	0.4
-4.4	8.0	-4.7	-79.7	NA	NA	NA	1.5
-4.2	5.9	2.8	-88.9	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.1
-4.2	5.1	-0.4	115.9	NA	NA	NA	0.9
-4.3	2.6	-1.4	-102.0	NA	NA	NA	1.5
-4.3	5.2	-0.2	-76.2	NA	NA	NA	1.0
-4.1	4.5	0.2	-19.7	NA	NA	NA	1.0
-4.1	3.5	-0.1	144.4	NA	NA	NA	1.0
-4.3	3.4	-2.6	-103.6	NA	NA	NA	1.4
NA	NA	1.1	NA	NA	NA	NA	0.7
-4.2	1.8	1.4	70.3	NA	NA	NA	2.0
-4.4	8.0	-0.2	33.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.6
NA	NA	-0.9	NA	NA	NA	NA	1.4
-5.4	2.1	0.2	80.5	NA	NA	NA	2.1
-5.3	1.9	0.4	70.9	-3.8	0.7	11.4	1.0
-5.5	1.2	1.8	-54.4	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.1
-6.9	5.7	0.5	21.0	NA	NA	NA	1.0
-7.1	4.0	-0.2	13.6	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	2.0
-5.1	0.6	4.0	-29.7	NA	NA	NA	1.0
-5.8	5.5	-0.3	14.0	-4.7	2.7	-4.4	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.7	2.3	-0.5	19.9	-4.0	0.8	-6.7	1.0
-6.1	1.3	2.2	-43.8	NA	NA	NA	1.7
NA	NA	-0.7	NA	NA	NA	NA	0.8
-5.3	2.6	1.0	63.4	NA	NA	NA	1.5
-5.3	3.0	0.6	43.0	NA	NA	NA	1.0
-5.2	0.8	-3.3	-58.1	NA	NA	NA	1.8
NA	NA	-1.6	NA	NA	NA	NA	1.0
-6.9	4.8	-0.9	28.1	NA	NA	NA	1.0
-7.0	4.9	1.4	19.2	NA	NA	NA	1.0
NA	NA	-9.0	NA	NA	NA	NA	2.2
-5.2	3.1	1.6	-23.3	NA	NA	NA	1.0
-5.6	8.0	-0.1	10.4	-4.3	1.9	-17.6	1.0
-5.4	5.3	-0.8	29.6	-4.8	3.0	9.6	1.0
-5.6	2.0	0.7	-49.6	NA	NA	NA	1.3
NA	NA	-1.9	NA	NA	NA	NA	1.0
-4.8	1.2	1.0	126.3	-4.2	10.0	27.9	1.8
-5.1	1.9	1.1	70.1	NA	NA	NA	1.0
-5.3	1.9	-1.5	-47.1	NA	NA	NA	1.3
NA	NA	0.9	NA	NA	NA	NA	1.2
-6.9	8.0	0.6	20.1	-4.0	2.3	-8.2	1.1
-7.1	3.6	0.5	9.7	-4.0	3.9	-13.3	1.0
-7.6	0.4	14.3	-28.0	NA	NA	NA	2.0
-5.4	1.0	1.1	-33.1	NA	NA	NA	1.4
-5.6	3.9	-0.5	11.6	-4.7	2.5	-11.5	1.0
-5.9	7.4	0.2	17.7	NA	NA	NA	1.0
-6.0	2.5	-1.0	-39.5	NA	NA	NA	1.6
-4.6	2.7	1.3	-93.9	NA	NA	NA	1.0
-5.1	1.6	0.5	47.9	-4.7	10.0	-6.2	1.1
-5.1	1.7	-0.4	51.8	-4.4	10.0	5.0	1.0
-4.7	8.0	1.1	-84.0	NA	NA	NA	1.3
-4.5	4.6	1.4	-25.8	NA	NA	NA	1.0
-4.9	1.7	-3.7	75.0	NA	NA	NA	2.1
-4.7	2.0	-3.1	99.0	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.7
-4.8	4.8	0.6	-15.0	NA	NA	NA	0.8
-4.8	3.2	1.8	56.5	NA	NA	NA	1.5
-4.6	2.4	1.9	78.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5
NA	NA	-1.9	NA	NA	NA	NA	0.9
-4.9	1.4	-0.4	33.0	NA	NA	NA	1.3
-5.1	2.1	0.8	35.6	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.6
NA	NA	1.6	NA	NA	NA	NA	1.1
-4.5	2.8	1.7	73.5	NA	NA	NA	1.9
-4.4	3.2	-1.0	53.8	NA	NA	NA	1.2
NA	NA	-2.0	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.6	1.9	0.5	91.9	NA	NA	NA	1.9
-4.6	1.5	-1.1	43.7	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.8
-4.6	2.1	-3.8	-58.2	NA	NA	NA	1.2
NA	NA	-1.6	NA	NA	NA	NA	1.7
-4.5	8.0	1.0	25.5	NA	NA	NA	1.2
NA	NA	-1.8	NA	NA	NA	NA	1.0
-5.0	1.3	-2.4	-33.4	NA	NA	NA	0.9
-4.9	1.7	-1.5	-53.5	-4.0	10.0	21.9	1.9
-4.1	2.2	2.0	89.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.9	8.0	-1.2	-27.2	NA	NA	NA	1.0
-4.2	5.9	-1.3	84.3	NA	NA	NA	1.0
-4.2	2.9	0.3	116.7	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.9
-4.7	6.5	-4.0	-53.8	NA	NA	NA	1.0
-4.4	4.4	-1.1	20.2	NA	NA	NA	0.5
-4.1	2.6	0.2	54.2	NA	NA	NA	0.4
NA	NA	-1.1	NA	NA	NA	NA	0.5
-4.6	1.3	-0.4	-52.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.6
-4.3	2.7	0.5	64.9	NA	NA	NA	0.9
NA	NA	-2.2	NA	NA	NA	NA	1.4
-4.9	2.0	-1.3	-55.7	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	1.7	0.1	37.7	NA	NA	NA	0.3
NA	NA	-3.6	NA	NA	NA	NA	1.5
-4.7	3.1	0.3	-42.4	NA	NA	NA	1.0
-4.1	8.0	-0.6	104.5	NA	NA	NA	1.0
-4.0	2.1	-0.2	151.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.8
-4.8	2.8	0.8	-18.3	NA	NA	NA	1.0
-4.9	2.2	-0.6	59.3	NA	NA	NA	1.0
-4.8	1.9	-1.5	62.0	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.1
-4.9	8.0	1.4	-83.4	NA	NA	NA	1.0
-4.6	8.0	-0.2	-32.5	NA	NA	NA	1.3
-4.9	3.8	-0.6	83.6	NA	NA	NA	1.0
-4.9	8.0	1.7	-98.2	NA	NA	NA	1.0
-5.2	7.9	1.3	-65.6	NA	NA	NA	1.0
-5.7	8.0	-9.0	46.0	-5.3	10.0	-152.4	2.7
-5.5	8.0	-5.4	46.8	-4.9	10.0	5.6	1.9
-5.3	6.9	-0.9	-111.4	NA	NA	NA	1.5
-4.5	8.0	0.6	-71.1	NA	NA	NA	1.0
-4.7	8.0	0.2	-12.2	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	-1.0	185.6	NA	NA	NA	1.0
-4.7	2.6	0.5	-100.9	NA	NA	NA	1.8
-4.8	5.7	1.3	-89.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.5	3.1	-0.2	210.4	NA	NA	NA	0.4
-4.9	4.0	-0.1	-96.4	NA	NA	NA	1.0
-4.7	5.6	0.5	-81.5	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.5	7.0	0.0	225.0	NA	NA	NA	0.9
-4.8	4.0	2.6	-110.7	NA	NA	NA	1.9
-4.5	8.0	1.5	-81.7	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.5	-0.3	52.8	NA	NA	NA	0.3
-4.6	3.8	2.0	-104.5	NA	NA	NA	1.3
-4.7	2.7	2.3	-91.2	NA	NA	NA	0.8
-4.9	2.2	0.0	-21.2	-4.0	5.3	7.5	0.5
-4.3	3.2	-0.5	241.7	NA	NA	NA	1.0
-5.0	5.1	-2.6	-107.7	NA	NA	NA	1.4
-5.5	3.8	1.6	-31.2	NA	NA	NA	1.0
-5.5	1.9	-0.7	101.7	NA	NA	NA	1.0
-5.5	2.0	-1.3	101.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
-5.5	2.6	-1.6	-22.6	NA	NA	NA	1.3
-4.2	3.4	1.5	-237.5	NA	NA	NA	2.0
-5.5	3.8	1.7	21.8	-4.5	7.7	-80.3	1.1
-4.5	2.7	-8.5	-94.5	NA	NA	NA	2.1
NA	NA	-3.5	NA	NA	NA	NA	1.8
NA	NA	-1.0	NA	NA	NA	NA	0.6
-5.2	8.0	0.7	15.3	-4.5	2.1	-6.0	1.0
NA	NA	0.8	NA	NA	NA	NA	1.9
-5.2	3.7	0.9	-45.6	-4.1	10.0	-7.4	0.9
-5.2	2.1	0.6	222.7	NA	NA	NA	1.0
-5.0	2.1	0.6	361.4	-4.2	9.9	86.8	1.0
NA	NA	0.7	NA	NA	NA	NA	1.2
-5.5	2.1	0.4	-38.8	-4.7	9.8	-5.4	1.0
-5.7	8.0	2.2	70.3	-4.8	7.6	10.9	1.7
-5.7	2.0	-0.3	81.1	-4.8	10.0	13.8	1.3
-5.4	8.0	0.0	33.2	NA	NA	NA	1.3
-4.4	8.0	-1.1	-28.9	NA	NA	NA	1.1
-4.4	3.7	0.1	69.9	NA	NA	NA	1.0
-4.5	3.9	0.4	57.8	NA	NA	NA	0.9
NA	NA	8.4	NA	NA	NA	NA	2.4
-4.3	2.2	-3.3	-57.8	NA	NA	NA	1.0
-4.8	1.4	-1.6	39.9	-4.2	10.0	-1.6	1.2
-4.8	1.3	0.1	47.4	NA	NA	NA	1.2
NA	NA	-1.9	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.8	2.6	-1.4	-51.7	NA	NA	NA	1.0
-5.2	8.0	-2.4	51.2	-4.6	4.1	-216.3	1.7
-4.9	2.6	1.6	99.5	-4.6	9.9	-36.0	1.3
-4.7	8.0	-4.2	-92.9	NA	NA	NA	2.0
-4.3	4.1	-0.4	-84.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	5.8	0.2	95.3	NA	NA	NA	0.4
-4.4	3.6	-0.2	-108.6	NA	NA	NA	1.1
-4.7	1.5	-2.0	-48.5	NA	NA	NA	1.2
-4.6	5.1	-1.1	87.0	-4.4	9.9	17.2	1.0
-4.7	2.5	0.1	118.4	-4.2	10.0	33.7	0.9
-4.5	8.0	-0.1	-50.0	NA	NA	NA	2.0
-4.3	6.9	-1.1	-59.3	NA	NA	NA	1.0
-4.5	4.6	0.7	59.1	-4.3	10.0	4.3	1.0
-4.5	5.2	0.7	58.4	NA	NA	NA	1.0
-4.1	5.8	-0.6	-111.7	NA	NA	NA	1.5
-4.6	2.7	0.5	-16.3	NA	NA	NA	1.0
-4.3	1.6	-1.6	67.5	NA	NA	NA	1.7
-4.4	1.3	-2.7	68.7	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	1.6
-4.1	8.0	-0.5	42.5	NA	NA	NA	1.2
-4.7	6.1	2.3	75.3	-4.3	10.0	-91.2	1.8
-4.7	8.0	1.5	70.7	-4.3	10.0	-40.1	1.0
NA	NA	2.1	NA	NA	NA	NA	1.6
-4.4	1.7	-1.0	-51.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.8	5.3	0.4	21.7	NA	NA	NA	0.9
-4.4	8.0	4.2	-74.8	NA	NA	NA	1.5
-4.1	4.7	0.8	-45.8	NA	NA	NA	1.0
-4.3	2.3	0.5	63.4	NA	NA	NA	1.0
-4.1	2.7	0.3	92.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	2.1
-5.2	6.0	0.5	-12.1	NA	NA	NA	1.0
-4.9	0.6	-2.9	45.3	NA	NA	NA	1.9
-4.6	0.7	-1.5	50.5	NA	NA	NA	1.1
NA	NA	2.9	NA	NA	NA	NA	1.7
-4.2	5.2	0.2	-89.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.5	-0.1	38.4	NA	NA	NA	0.4
-4.3	3.0	1.1	-71.4	NA	NA	NA	1.4
-4.2	2.8	2.1	-27.3	NA	NA	NA	0.8
-4.2	1.9	1.7	93.7	NA	NA	NA	1.6
-4.3	1.5	-1.3	73.8	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.8
-5.4	1.5	1.2	-64.2	NA	NA	NA	1.0
-5.0	5.3	1.6	-34.1	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.3	3.8	1.2	34.1	-5.0	10.0	2.7	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.4
-5.7	1.2	1.2	-21.1	NA	NA	NA	1.2
-4.8	1.0	2.2	101.0	-4.0	10.0	-69.3	1.7
-4.5	0.7	0.5	124.1	-4.0	9.7	11.7	1.0
-4.1	3.6	0.0	-103.0	NA	NA	NA	1.3
-4.8	7.1	-0.6	-74.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	3.5	0.4	50.5	NA	NA	NA	0.4
-4.6	8.0	2.3	-100.5	NA	NA	NA	1.0
-5.0	3.4	0.6	-54.6	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.2
-4.9	1.8	0.0	68.2	NA	NA	NA	0.9
-5.1	3.9	-1.8	-80.0	NA	NA	NA	1.9
-4.8	1.0	1.6	-69.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	1.3	0.0	11.6	NA	NA	NA	0.3
NA	NA	-2.0	NA	NA	NA	NA	1.9
-4.3	1.9	0.0	-53.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.2
-4.2	8.0	0.2	26.7	NA	NA	NA	0.5
-4.1	4.1	6.2	-105.9	NA	NA	NA	1.8
-5.5	0.9	2.0	-24.0	-4.0	10.0	13.6	1.3
-5.0	0.5	1.4	70.2	-4.1	10.0	10.9	2.3
-4.9	0.7	0.9	82.0	-4.2	10.0	14.4	1.2
NA	NA	-1.4	NA	NA	NA	NA	1.9
-5.1	4.6	-0.6	-80.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	2.0	0.2	95.7	NA	NA	NA	0.4
-4.8	8.0	1.2	-91.9	NA	NA	NA	1.0
-4.8	1.4	1.0	-43.4	-4.2	10.0	-4.2	1.3
NA	NA	0.4	NA	NA	NA	NA	0.8
-4.9	4.9	0.1	58.3	-4.4	10.0	5.6	0.9
-4.6	2.2	-2.2	-67.3	NA	NA	NA	2.2
-4.6	1.5	-0.5	-40.2	NA	NA	NA	1.2
-5.0	8.0	1.1	-6.7	NA	NA	NA	1.0
-4.2	2.7	1.0	39.3	NA	NA	NA	1.0
-4.3	2.7	2.3	-89.8	NA	NA	NA	1.9
NA	NA	-1.2	NA	NA	NA	NA	0.9
-4.7	8.0	-0.7	27.2	NA	NA	NA	1.3
-4.7	8.0	0.3	21.3	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.3	2.8	-1.0	67.6	NA	NA	NA	1.3
-4.2	4.2	-1.6	46.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.3	NA	NA	NA	NA	0.8
-4.2	3.8	1.1	238.7	NA	NA	NA	1.1
-4.3	2.9	-0.1	134.4	NA	NA	NA	1.0
NA	NA	2.7	NA	NA	NA	NA	1.9
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.2	3.7	0.2	75.6	NA	NA	NA	0.5
-4.2	3.2	0.1	27.7	NA	NA	NA	0.3
NA	NA	0.0	NA	NA	NA	NA	0.7
-5.0	4.1	0.7	13.1	-3.6	1.1	-31.8	1.0
-4.8	1.2	-0.6	35.5	NA	NA	NA	1.0
-4.2	2.4	0.3	49.7	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	2.0
NA	NA	1.9	NA	NA	NA	NA	1.3
-4.4	2.7	-1.3	77.0	NA	NA	NA	2.2
-4.5	3.2	1.5	42.2	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	2.0
-4.3	5.1	0.1	-73.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	3.9	0.1	51.6	NA	NA	NA	0.4
-4.2	4.5	-1.0	-93.3	NA	NA	NA	1.0
-4.3	2.7	1.9	-92.5	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	3.2	-0.5	84.4	NA	NA	NA	0.9
-4.4	1.5	-3.2	-117.6	NA	NA	NA	2.2
-5.8	1.1	1.7	-12.4	NA	NA	NA	1.0
-5.6	1.9	0.9	74.4	NA	NA	NA	1.6
-5.5	1.8	0.3	61.3	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.6
NA	NA	2.8	NA	NA	NA	NA	1.0
-4.6	8.0	2.1	33.9	NA	NA	NA	1.9
-4.4	2.8	-0.6	26.8	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.7	1.2	2.5	73.6	NA	NA	NA	1.8
-4.7	1.2	1.7	59.2	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.7	1.2	-7.9	80.6	NA	NA	NA	2.3
-4.6	1.5	-2.6	75.3	NA	NA	NA	1.7
NA	NA	3.1	NA	NA	NA	NA	1.7
-4.8	8.0	0.5	-20.0	NA	NA	NA	1.0
-5.0	1.8	0.0	45.3	NA	NA	NA	1.6
-4.7	2.7	-0.5	49.4	NA	NA	NA	1.2
NA	NA	-1.2	NA	NA	NA	NA	1.0
-4.3	1.0	-1.6	-24.2	NA	NA	NA	1.1
-4.6	2.3	-0.8	77.6	-4.0	9.7	29.3	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.0	-1.0	78.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.3
NA	NA	2.2	NA	NA	NA	NA	0.7
-4.5	5.0	1.2	62.4	NA	NA	NA	1.0
-4.5	8.0	-0.3	23.8	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	1.0
-4.5	3.1	-0.6	37.6	NA	NA	NA	1.4
-4.6	2.4	0.7	54.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.4	3.3	1.9	-46.8	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.5
-4.6	3.5	-1.5	18.3	NA	NA	NA	1.0
-4.4	3.0	-1.4	-95.7	NA	NA	NA	1.6
NA	NA	-1.7	NA	NA	NA	NA	0.3
-4.3	6.8	1.0	77.6	NA	NA	NA	1.0
-4.3	7.5	1.0	88.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.1
-6.8	0.8	1.6	-16.3	NA	NA	NA	1.3
-6.3	0.9	0.7	51.1	NA	NA	NA	2.0
-6.4	0.9	0.6	51.2	NA	NA	NA	1.9
NA	NA	-0.1	NA	NA	NA	NA	1.3
-5.2	0.7	1.3	-17.0	NA	NA	NA	1.1
-6.3	8.0	2.7	32.1	NA	NA	NA	2.0
-6.2	1.2	-0.1	34.2	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	1.6
-4.3	0.9	-1.0	-62.3	NA	NA	NA	1.0
-5.5	8.0	1.9	31.1	-4.5	10.0	-30.1	1.6
-5.3	2.7	2.4	41.8	-4.5	8.8	2.3	1.5
-4.3	2.3	0.7	-66.9	NA	NA	NA	1.3
-4.1	3.4	0.1	-106.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	3.7	-0.1	81.3	NA	NA	NA	0.4
-4.2	8.0	0.6	-116.6	NA	NA	NA	1.2
-4.4	1.5	0.9	-110.0	NA	NA	NA	1.0
-5.9	3.1	0.2	43.9	-4.5	4.4	-29.5	1.0
-5.9	2.4	-0.6	37.2	NA	NA	NA	1.0
-4.3	2.4	-0.9	-125.4	NA	NA	NA	1.3
-4.1	5.4	1.8	-93.2	NA	NA	NA	1.1
-5.2	2.0	2.8	72.4	-4.5	10.0	-143.1	1.9
-5.5	6.6	-1.0	40.5	-4.6	10.0	-29.1	1.6
-4.6	3.1	-1.2	-97.9	NA	NA	NA	1.5
-4.2	8.0	1.1	-87.6	NA	NA	NA	1.3
-4.3	1.7	0.2	-16.1	NA	NA	NA	1.0
-4.2	8.0	-0.2	104.7	NA	NA	NA	1.0
-4.3	8.0	-2.0	-89.7	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.2	5.4	-0.1	-111.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	6.4	0.1	150.0	NA	NA	NA	0.4
-4.4	8.0	4.5	-99.8	NA	NA	NA	1.4
-4.5	3.0	2.1	-81.9	NA	NA	NA	1.0
-4.7	2.4	1.1	21.3	-4.1	10.0	-22.6	1.0
-4.3	2.6	-0.4	153.2	NA	NA	NA	0.9
-4.6	4.9	-2.6	-83.0	NA	NA	NA	1.1
-4.2	3.5	0.9	-100.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	5.7	0.0	39.7	NA	NA	NA	0.3
-4.3	2.6	2.9	-125.3	NA	NA	NA	1.6
-4.1	3.5	-2.9	-107.6	NA	NA	NA	1.3
-6.3	1.8	-0.2	82.1	-5.7	1.1	-13.5	1.0
-4.1	8.0	1.0	246.0	NA	NA	NA	1.4
-4.2	2.9	7.3	-122.8	NA	NA	NA	1.9
-4.4	1.5	-1.2	-106.2	NA	NA	NA	1.2
-5.8	2.5	2.8	55.0	-4.6	2.7	-36.7	1.1
-5.7	4.0	2.7	40.7	NA	NA	NA	1.5
-4.4	4.1	-2.5	-89.3	NA	NA	NA	1.0
-4.3	1.6	3.6	-84.7	NA	NA	NA	1.3
-5.5	4.3	-3.4	42.7	-4.1	5.5	-95.5	1.5
-5.3	6.4	-3.2	49.2	-4.4	10.0	9.0	1.3
-4.3	8.0	2.0	-107.4	NA	NA	NA	1.5
-4.3	6.6	-0.1	-70.5	NA	NA	NA	1.0
-4.6	1.4	-0.1	-19.3	NA	NA	NA	1.0
-4.2	8.0	-0.8	129.2	NA	NA	NA	1.0
-4.5	3.0	1.0	-93.8	NA	NA	NA	2.0
-4.2	8.0	0.6	-111.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	4.2	-0.1	110.8	NA	NA	NA	0.4
-4.2	3.5	0.7	-129.0	NA	NA	NA	1.5
-4.3	8.0	2.3	-84.0	NA	NA	NA	1.1
NA	NA	1.1	NA	NA	NA	NA	0.1
-4.1	4.2	-0.2	163.3	NA	NA	NA	0.5
-4.3	3.2	2.9	-112.4	NA	NA	NA	1.5
-4.3	2.9	0.0	-100.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.3	0.1	27.0	NA	NA	NA	0.3
-4.3	3.0	2.3	-119.9	NA	NA	NA	1.4
-4.1	4.2	-1.4	-109.6	NA	NA	NA	1.4
-6.5	5.2	0.5	86.2	-6.0	4.2	-4.2	1.2
-4.1	8.0	-0.1	243.8	NA	NA	NA	1.4
-4.2	2.9	5.4	-140.0	NA	NA	NA	2.0
NA	NA	-1.2	NA	NA	NA	NA	1.1
-4.5	8.0	-2.4	27.5	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.5	2.7	-0.7	27.2	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.5
-4.4	3.5	-1.5	-75.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.4	6.5	-0.7	110.1	NA	NA	NA	0.5
-4.6	3.7	-1.5	-69.8	NA	NA	NA	1.4
-4.4	1.4	-0.1	-48.0	NA	NA	NA	1.2
-5.5	8.0	0.5	22.4	-4.2	1.7	-11.9	1.2
-5.5	8.0	0.0	18.0	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.0
-4.4	0.9	1.0	-37.6	NA	NA	NA	1.0
-4.7	1.4	-0.1	95.8	-4.1	8.5	52.7	1.7
-4.5	1.2	-1.6	93.1	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	1.8
NA	NA	-0.7	NA	NA	NA	NA	0.8
-4.5	1.0	0.7	129.6	-4.2	10.0	20.6	1.6
-4.5	1.5	0.2	73.6	-4.2	9.9	12.1	1.1
NA	NA	0.9	NA	NA	NA	NA	1.2
-4.5	2.4	0.1	-42.1	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.3
-4.4	1.7	0.1	25.5	NA	NA	NA	1.0
-4.8	2.2	-1.1	-69.0	NA	NA	NA	1.8
-5.1	4.5	-0.8	-36.4	NA	NA	NA	1.0
-5.1	4.2	-0.5	128.9	-4.7	9.9	61.1	1.0
-5.1	4.4	0.0	136.6	-4.6	4.8	102.3	1.0
NA	NA	2.0	NA	NA	NA	NA	1.3
-4.8	2.4	-3.4	-17.4	NA	NA	NA	1.0
-5.4	5.6	2.7	21.8	NA	NA	NA	1.4
-5.2	2.7	4.5	31.8	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.4	8.0	-3.9	-81.2	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.3
-4.3	8.0	2.6	77.6	NA	NA	NA	1.0
-4.4	5.1	-0.8	-107.6	NA	NA	NA	1.2
-5.0	2.5	-0.7	-79.2	NA	NA	NA	1.0
-4.9	8.0	1.2	-36.8	NA	NA	NA	1.1
-4.6	6.0	0.6	52.6	NA	NA	NA	1.1
-4.8	8.0	-0.1	-82.9	NA	NA	NA	1.3
-4.7	7.1	-2.1	-57.9	NA	NA	NA	1.3
-5.3	5.8	2.8	35.9	-4.7	3.7	-141.9	2.0
-5.5	1.8	2.7	20.0	-4.8	8.0	-16.7	1.5
-4.8	4.2	-1.4	-96.7	NA	NA	NA	1.3
-4.6	8.0	0.7	-53.4	NA	NA	NA	1.1
-4.2	5.2	-0.3	-21.2	NA	NA	NA	1.0
-4.7	8.0	-0.2	54.1	-4.1	1.1	23.0	1.0
-4.8	1.9	2.8	-92.6	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.8	4.9	-0.9	-83.2	NA	NA	NA	1.0
-4.5	4.3	-0.3	-9.4	NA	NA	NA	0.5
-4.7	5.3	0.0	80.4	-3.8	7.0	25.3	0.4
-4.8	7.5	-1.7	-93.7	NA	NA	NA	1.0
-4.9	2.3	2.0	-68.4	NA	NA	NA	1.0
-5.7	4.8	0.4	29.7	-4.7	1.4	-9.0	1.0
-4.8	1.3	-0.7	85.2	NA	NA	NA	0.9
-4.9	1.9	3.5	-107.0	NA	NA	NA	1.6
-4.7	2.7	0.1	-80.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	4.8	0.0	21.4	NA	NA	NA	0.3
-4.6	4.0	0.5	-100.7	NA	NA	NA	1.4
-4.5	8.0	0.1	-72.9	NA	NA	NA	1.0
-5.2	5.3	0.3	31.7	-4.6	3.2	-18.0	1.0
-4.2	2.2	-0.4	121.9	NA	NA	NA	1.0
-4.5	8.0	-0.7	-94.4	NA	NA	NA	1.5
NA	NA	1.8	NA	NA	NA	NA	1.8
-4.3	1.4	2.2	83.9	NA	NA	NA	2.3
-4.2	3.2	-0.3	52.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.4
-5.5	1.1	0.4	-26.9	-4.3	3.4	-11.5	0.6
-4.7	0.7	-2.4	127.0	NA	NA	NA	1.8
-5.2	1.0	-0.9	98.2	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.5
-5.4	4.0	-1.5	-19.1	-4.2	6.0	-4.3	1.1
-5.6	1.1	-2.7	69.0	NA	NA	NA	2.0
-5.4	1.2	-0.4	76.8	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	1.7
-4.4	4.6	-0.3	-50.2	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.7
-4.3	8.0	-1.7	36.0	NA	NA	NA	0.5
-4.7	5.1	2.1	-69.2	NA	NA	NA	1.2
-4.5	8.0	0.5	-31.9	NA	NA	NA	1.5
-5.6	8.0	-0.8	32.4	-4.7	1.6	-138.1	2.1
-4.8	8.0	-0.1	-33.9	NA	NA	NA	1.2
-5.0	2.3	-2.2	-81.2	NA	NA	NA	1.8
-4.9	7.9	0.4	34.5	-4.5	10.0	-7.7	1.0
-4.4	5.2	-1.4	17.7	NA	NA	NA	1.0
-4.3	8.0	-0.7	33.1	NA	NA	NA	0.7
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.6	1.8	-0.2	-76.8	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	1.0
-4.2	2.8	-1.2	109.5	NA	NA	NA	1.0
-4.6	2.7	-3.1	-80.2	NA	NA	NA	1.5
-5.7	1.5	-2.8	-87.2	NA	NA	NA	1.5
-6.4	4.1	9.4	135.3	-5.9	3.4	-28.9	1.4



ga	gw	zr	tp	la	lw	bt	er
-6.4	5.6	8.5	154.0	-6.1	6.0	54.2	1.8
-5.5	7.1	-0.2	-94.5	NA	NA	NA	1.4
-5.9	8.0	1.7	-53.5	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	0.8
-5.6	2.1	-0.8	69.3	NA	NA	NA	1.3
-6.1	8.0	-3.0	-93.2	NA	NA	NA	1.7
-5.4	3.3	3.1	-85.4	NA	NA	NA	1.0
-6.3	2.4	0.3	10.0	-5.6	10.0	-1.7	0.5
-5.1	1.6	-0.6	112.3	NA	NA	NA	0.4
-5.2	3.2	4.2	-97.2	NA	NA	NA	1.3
-5.7	3.3	2.5	-69.8	NA	NA	NA	1.1
-6.5	8.0	-0.1	13.2	-4.5	9.4	4.7	1.0
-5.6	2.1	-0.8	147.2	-4.7	10.0	106.0	1.3
-5.9	3.6	-1.2	-93.5	NA	NA	NA	1.2
-5.9	3.8	4.8	-77.5	NA	NA	NA	1.6
NA	NA	-0.4	NA	NA	NA	NA	0.6
-5.7	4.1	-0.2	28.0	NA	NA	NA	0.3
-6.1	8.0	4.0	-102.4	NA	NA	NA	1.1
-5.4	3.9	0.4	-80.0	NA	NA	NA	1.1
-6.0	6.9	-0.6	17.2	-5.6	5.0	-9.1	1.0
-5.2	2.3	0.3	171.5	-4.5	2.7	123.5	1.0
-5.5	1.6	-1.0	-101.3	NA	NA	NA	1.5
-5.9	3.4	-1.7	-12.9	NA	NA	NA	0.8
-4.6	0.5	-1.3	71.7	NA	NA	NA	2.0
-5.7	0.9	-0.5	44.2	NA	NA	NA	1.2
NA	NA	-7.3	NA	NA	NA	NA	1.9
NA	NA	-1.1	NA	NA	NA	NA	0.9
-4.2	1.1	0.3	69.5	NA	NA	NA	1.8
-4.3	1.2	1.3	53.8	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
-5.4	8.0	-0.2	-12.2	NA	NA	NA	1.0
-5.2	1.1	-0.5	120.8	-4.4	4.9	84.3	1.8
-5.3	2.8	0.2	59.4	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.2
-5.3	1.6	1.7	-29.7	NA	NA	NA	1.0
-5.0	0.9	-1.1	138.4	-4.1	10.0	103.8	1.1
-4.9	1.0	-1.0	156.9	-4.1	8.1	105.3	1.0
NA	NA	2.2	NA	NA	NA	NA	1.6
-5.1	1.8	-1.3	-30.7	NA	NA	NA	1.1
-5.2	1.5	6.7	103.9	NA	NA	NA	1.6
-5.0	1.6	4.8	114.1	NA	NA	NA	1.7
NA	NA	0.6	NA	NA	NA	NA	0.9
NA	NA	-2.5	NA	NA	NA	NA	0.8
-4.2	8.0	-1.4	43.7	NA	NA	NA	1.6
-4.2	3.3	-1.2	47.3	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-4.5	NA	NA	NA	NA	1.1
-5.0	3.4	1.9	38.6	NA	NA	NA	1.4
-5.2	1.9	1.7	27.5	NA	NA	NA	1.3
NA	NA	-1.3	NA	NA	NA	NA	1.8
NA	NA	-1.4	NA	NA	NA	NA	0.6
-4.7	8.0	-0.2	49.0	NA	NA	NA	1.7
-4.6	8.0	1.8	35.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.8
NA	NA	0.4	NA	NA	NA	NA	0.9
-4.4	3.8	-2.2	67.3	NA	NA	NA	1.2
-4.5	2.4	-0.7	48.5	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	2.0
-5.0	1.9	-2.1	-34.9	NA	NA	NA	1.0
-5.2	2.7	3.8	55.7	NA	NA	NA	1.8
-4.8	1.3	3.9	116.6	NA	NA	NA	1.7
NA	NA	0.4	NA	NA	NA	NA	1.3
NA	NA	-1.8	NA	NA	NA	NA	1.5
-5.8	2.2	0.1	48.9	-5.2	10.0	0.1	1.0
-5.8	3.0	-0.1	30.5	-4.9	9.4	0.0	0.9
NA	NA	-1.6	NA	NA	NA	NA	1.6
-4.7	6.3	-1.4	-14.1	NA	NA	NA	0.5
-4.8	0.8	-2.5	32.7	NA	NA	NA	1.7
-4.6	1.7	0.4	41.8	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.7
NA	NA	-3.4	NA	NA	NA	NA	1.3
-4.4	8.0	-3.2	48.0	NA	NA	NA	1.5
-4.4	1.5	0.1	55.9	NA	NA	NA	1.0
NA	NA	5.0	NA	NA	NA	NA	1.6
-4.5	2.2	-3.9	-58.8	NA	NA	NA	1.2
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.7	3.0	0.6	38.9	NA	NA	NA	0.9
NA	NA	8.0	NA	NA	NA	NA	1.9
-4.4	1.3	1.3	-70.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.7
-4.1	2.2	-0.5	79.3	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.8
-5.0	1.1	-0.1	-15.3	NA	NA	NA	1.0
-4.4	4.1	-2.4	44.4	NA	NA	NA	1.4
-4.3	1.6	-1.1	58.1	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.3
NA	NA	-2.9	NA	NA	NA	NA	1.1
-4.9	8.0	0.2	24.0	NA	NA	NA	1.3
-5.0	6.0	1.1	23.9	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.3	0.6	-1.1	55.9	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.4	3.8	1.6	78.5	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.7
NA	NA	-1.6	NA	NA	NA	NA	0.4
-4.5	5.3	-0.3	28.9	NA	NA	NA	0.5
-4.3	1.5	0.2	22.9	NA	NA	NA	0.4
NA	NA	1.7	NA	NA	NA	NA	1.1
NA	NA	-2.4	NA	NA	NA	NA	0.8
-4.4	1.0	0.0	69.1	NA	NA	NA	1.0
-4.5	0.7	0.8	43.7	NA	NA	NA	0.9
NA	NA	1.4	NA	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.3	1.2	0.5	42.8	NA	NA	NA	0.5
-4.4	1.3	0.4	18.5	NA	NA	NA	0.3
NA	NA	0.3	NA	NA	NA	NA	0.8
NA	NA	-0.3	NA	NA	NA	NA	0.7
-4.4	2.2	0.8	69.2	NA	NA	NA	1.0
-4.4	2.3	1.6	40.1	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.5
-4.2	8.0	0.7	-39.8	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	1.4
-4.2	8.0	0.5	51.5	NA	NA	NA	1.0
-4.4	8.0	-0.5	-91.0	NA	NA	NA	1.6
-4.2	4.7	-0.3	-71.6	NA	NA	NA	1.0
-4.6	8.0	-0.4	30.2	-4.1	8.4	-3.7	0.5
-4.4	3.1	-0.4	69.4	NA	NA	NA	0.9
-4.5	8.0	-0.6	-71.4	NA	NA	NA	1.6
-4.4	1.1	0.2	-26.2	NA	NA	NA	0.8
-4.2	1.2	1.0	99.5	NA	NA	NA	1.3
-4.2	1.3	2.1	95.8	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.6
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.7	4.9	5.8	66.0	NA	NA	NA	2.1
-4.7	4.6	1.0	27.9	NA	NA	NA	1.0
NA	NA	-6.3	NA	NA	NA	NA	2.4
NA	NA	-0.7	NA	NA	NA	NA	0.8
-4.5	2.3	0.9	61.3	NA	NA	NA	1.0
-4.5	2.2	0.1	43.6	NA	NA	NA	1.0
NA	NA	2.8	NA	NA	NA	NA	1.4
-4.2	8.0	-1.5	-26.9	NA	NA	NA	1.3
-4.2	8.0	-0.1	49.1	NA	NA	NA	1.4
-4.2	8.0	0.4	56.4	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.3	0.9	-3.2	-26.7	NA	NA	NA	1.1
-4.3	1.3	3.2	57.6	NA	NA	NA	2.0
-4.8	1.0	3.4	52.9	NA	NA	NA	1.5
NA	NA	1.0	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.2	NA	NA	NA	NA	1.2
-4.7	7.8	-0.5	34.7	NA	NA	NA	1.6
-4.6	2.0	0.2	46.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.5	4.7	1.9	47.3	NA	NA	NA	1.2
-4.6	3.1	1.9	29.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.5
-4.5	2.5	-1.4	-52.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.6	6.1	0.2	19.0	NA	NA	NA	0.9
NA	NA	1.9	NA	NA	NA	NA	1.7
NA	NA	-0.6	NA	NA	NA	NA	0.4
-4.2	1.8	-2.1	92.0	NA	NA	NA	1.9
-4.2	2.9	0.6	74.2	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.6
-4.5	1.1	1.7	-33.9	NA	NA	NA	1.1
-5.1	2.6	0.7	26.7	-4.6	5.6	-22.9	1.0
NA	NA	0.8	NA	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	1.4
-4.4	4.0	-0.6	-70.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	8.0	0.1	39.1	NA	NA	NA	0.4
-4.5	8.0	1.5	-86.5	NA	NA	NA	1.3
-4.8	1.2	-2.8	-29.9	NA	NA	NA	1.0
-5.2	3.3	-3.2	48.5	-4.7	10.0	-41.0	1.8
-5.0	1.9	0.9	76.0	-4.5	10.0	5.0	1.0
-4.4	8.0	-2.0	-99.6	NA	NA	NA	2.0
-4.5	5.8	-2.1	-102.3	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.5	8.0	0.1	62.4	NA	NA	NA	0.4
-4.5	4.6	-2.0	-110.9	NA	NA	NA	1.0
-4.9	8.0	-0.5	-55.4	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.8	6.8	0.2	54.8	NA	NA	NA	0.9
-4.8	8.0	-3.3	-57.1	NA	NA	NA	2.2
-4.9	0.9	0.5	-59.6	NA	NA	NA	1.3
-5.7	5.4	0.9	64.2	-4.7	9.9	32.8	1.7
-5.6	3.2	0.7	66.2	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	2.0
-4.5	2.7	-1.4	-43.1	NA	NA	NA	1.0
-5.0	0.8	-4.0	37.1	-4.5	10.0	-18.5	1.4
-4.9	1.0	1.1	35.1	NA	NA	NA	1.4
NA	NA	-3.2	NA	NA	NA	NA	1.9
NA	NA	0.3	NA	NA	NA	NA	1.3
-4.9	3.8	2.2	92.7	-4.6	10.0	19.3	1.8

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.5	NA	NA	NA	NA	1.3
-4.7	8.0	-0.8	-65.5	NA	NA	NA	1.5
-4.7	8.0	0.1	-31.1	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.7	8.0	-0.6	24.2	NA	NA	NA	0.5
-4.6	1.6	1.1	-97.1	NA	NA	NA	1.5
NA	NA	1.8	NA	NA	NA	NA	1.7
NA	NA	5.7	NA	NA	NA	NA	2.3
-4.6	2.3	0.8	33.6	NA	NA	NA	1.0
NA	NA	-7.2	NA	NA	NA	NA	1.9
-4.4	1.1	-0.5	-21.8	NA	NA	NA	0.8
-5.0	0.5	-1.4	25.7	NA	NA	NA	1.8
-4.6	2.2	0.1	63.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.3	1.4	0.7	-33.6	NA	NA	NA	1.0
-4.7	2.6	-0.7	89.0	-4.1	6.1	61.0	1.2
-4.5	1.6	-0.9	85.3	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.1
-4.1	8.0	1.4	-60.6	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	0.2
-4.1	7.5	-0.9	30.2	NA	NA	NA	0.5
NA	NA	0.5	NA	NA	NA	NA	2.1
-5.3	3.8	0.2	-28.8	NA	NA	NA	1.0
-5.3	8.0	0.0	41.3	-5.0	4.0	11.4	1.0
-5.4	8.0	0.2	30.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.2
NA	NA	0.3	NA	NA	NA	NA	0.8
-5.2	4.3	1.1	29.8	NA	NA	NA	1.3
-4.5	8.0	1.2	24.0	NA	NA	NA	0.7
NA	NA	-2.3	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	0.3
-4.7	1.0	-3.5	50.2	NA	NA	NA	1.7
-4.2	1.7	1.0	37.5	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.5
-5.7	3.1	-1.8	-23.8	NA	NA	NA	1.0
-5.5	2.5	1.6	98.6	NA	NA	NA	1.4
-5.5	1.8	1.3	106.5	NA	NA	NA	1.0
NA	NA	3.2	NA	NA	NA	NA	1.6
-4.2	1.0	-1.7	-96.5	NA	NA	NA	1.0
-4.2	8.0	1.2	-43.7	NA	NA	NA	1.5
-4.9	1.6	-0.5	39.0	NA	NA	NA	1.2
-4.3	3.0	-2.2	-113.1	NA	NA	NA	1.1
-4.3	1.4	0.4	-41.3	NA	NA	NA	1.2
-5.0	1.4	1.9	64.5	-4.3	10.0	-156.5	1.8
-4.8	1.3	1.7	62.2	-4.3	10.0	-6.4	1.0
-4.3	8.0	-0.8	-78.7	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.9	NA	NA	NA	NA	0.9
-4.8	5.1	0.0	36.3	NA	NA	NA	1.4
-4.7	3.1	1.0	62.7	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.4
-4.3	2.0	0.1	-104.5	NA	NA	NA	1.0
-5.0	1.8	-0.1	18.4	-4.4	10.0	-29.8	1.2
-4.7	1.7	-0.5	40.8	NA	NA	NA	1.2
-4.3	2.8	-1.2	-121.8	NA	NA	NA	1.1
-4.0	1.3	0.6	-64.4	NA	NA	NA	1.4
-4.9	1.0	1.2	42.3	-4.4	9.8	-2.4	1.8
-4.6	1.3	0.5	67.8	-4.2	10.0	9.9	1.1
-4.1	4.9	-1.0	-118.7	NA	NA	NA	1.5
-4.2	4.3	-0.9	-80.7	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.9
-4.2	8.0	0.3	76.5	NA	NA	NA	0.5
-4.4	8.0	0.4	-91.1	NA	NA	NA	1.8
-4.2	6.1	-0.6	-109.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.5	0.2	199.7	NA	NA	NA	0.4
-4.3	3.5	-1.6	-112.1	NA	NA	NA	1.0
-4.2	3.5	-4.1	-100.4	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	5.8	0.3	31.7	NA	NA	NA	0.3
-4.2	3.8	-1.7	-126.5	NA	NA	NA	1.4
-4.3	8.0	0.0	-76.8	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	0.5
-4.0	8.0	-0.4	264.5	NA	NA	NA	1.0
-4.1	3.8	1.8	-125.3	NA	NA	NA	1.5
NA	NA	-1.6	NA	NA	NA	NA	1.3
-4.2	2.6	-0.4	41.5	NA	NA	NA	2.2
-4.3	8.0	2.0	51.4	NA	NA	NA	1.6
-4.4	8.0	-9.4	-50.3	NA	NA	NA	2.0
-4.2	4.7	0.1	-93.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	3.5	-0.2	49.5	NA	NA	NA	0.4
-4.5	8.0	1.3	-82.5	NA	NA	NA	1.4
-4.7	6.3	-0.7	-57.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.3	1.9	0.2	74.6	NA	NA	NA	0.9
-4.7	2.0	-6.8	-77.9	NA	NA	NA	2.3
-4.8	5.1	-0.6	-34.0	NA	NA	NA	1.0
-5.3	2.2	-0.6	20.0	-4.8	5.4	3.6	1.0
-5.1	2.5	0.6	31.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
-4.8	1.6	1.4	-26.5	NA	NA	NA	1.0
-5.1	1.4	-0.1	59.0	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-5.0	1.0	-1.0	65.4	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.4
-4.6	8.0	0.0	-66.0	NA	NA	NA	1.0
-5.0	8.0	1.1	20.3	-4.5	7.3	-153.1	1.2
NA	NA	1.7	NA	NA	NA	NA	1.4
-4.4	5.6	2.3	-136.1	NA	NA	NA	1.3
-4.4	8.0	-1.6	-107.5	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.4	7.5	1.3	167.9	NA	NA	NA	0.9
-4.6	4.1	0.7	-104.6	NA	NA	NA	2.0
-4.4	8.0	-1.4	-85.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.4	5.1	0.6	86.0	NA	NA	NA	1.0
-4.4	4.3	0.3	-100.7	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.4	3.8	2.5	61.5	NA	NA	NA	1.5
-4.3	1.9	0.4	52.3	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.6
NA	NA	-2.6	NA	NA	NA	NA	1.0
-5.0	2.6	-1.9	76.5	-4.0	10.0	39.9	1.3
-4.8	3.8	-1.2	69.6	-4.4	10.0	34.2	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.7	1.2	-0.8	-24.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.6
-5.2	1.6	0.2	11.1	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.7
-5.2	7.1	-1.6	-20.1	-4.4	10.0	-4.1	0.8
-5.2	8.0	2.3	74.8	-4.7	1.6	2.4	2.1
-5.2	8.0	1.1	53.0	-4.4	5.9	8.6	1.2
NA	NA	-3.1	NA	NA	NA	NA	1.4
-4.4	8.0	-1.4	-81.6	NA	NA	NA	1.2
-4.3	2.0	-1.8	-62.3	NA	NA	NA	1.5
-4.2	8.0	-1.7	49.3	NA	NA	NA	1.6
-4.3	3.1	-1.4	-125.3	NA	NA	NA	1.0
-4.2	2.7	-3.0	-73.5	NA	NA	NA	1.1
-5.2	3.9	-0.9	83.4	-4.4	4.0	-142.1	1.6
-5.2	4.0	1.5	72.5	-4.6	8.6	-16.0	1.0
-4.4	2.4	0.5	-118.3	NA	NA	NA	1.4
-4.4	5.4	-0.8	-84.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	4.3	0.0	104.8	NA	NA	NA	0.4
-4.3	7.8	1.0	-101.9	NA	NA	NA	1.1
-4.2	8.0	-1.2	-58.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	7.9	0.2	47.6	NA	NA	NA	0.5
-4.4	2.6	4.1	-99.4	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.2	7.0	1.5	-99.8	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	19.6	NA	NA	NA	0.3
-4.3	2.5	0.3	-127.2	NA	NA	NA	1.2
-4.2	2.3	0.3	-109.8	NA	NA	NA	1.2
-4.1	8.0	0.4	-28.7	NA	NA	NA	1.0
-4.1	2.3	-0.3	167.3	NA	NA	NA	1.0
-4.1	8.0	-1.7	-135.5	NA	NA	NA	1.8
-4.5	3.0	-0.8	-25.8	NA	NA	NA	1.0
-4.3	2.4	-2.5	60.0	NA	NA	NA	1.2
-4.3	2.4	-1.2	82.0	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.0
-5.1	1.3	-4.1	108.3	NA	NA	NA	1.6
-4.9	1.6	-1.6	70.4	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.9
NA	NA	1.9	NA	NA	NA	NA	0.7
-4.3	3.2	2.2	157.1	NA	NA	NA	1.3
-4.4	4.9	0.8	60.1	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.2
-4.6	3.5	0.5	39.1	-4.1	10.0	-1.0	1.0
-4.8	4.6	0.1	139.4	NA	NA	NA	1.0
-4.8	3.4	-0.6	70.2	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.9
NA	NA	1.2	NA	NA	NA	NA	0.5
-4.6	7.6	0.1	49.7	-4.1	9.1	23.5	0.5
-4.6	7.3	-0.1	28.4	-4.2	4.3	11.5	0.4
NA	NA	-3.0	NA	NA	NA	NA	1.8
NA	NA	1.3	NA	NA	NA	NA	1.0
-4.7	2.6	0.0	37.4	NA	NA	NA	0.5
-4.7	2.4	0.0	13.3	NA	NA	NA	0.3
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.9	4.2	0.3	10.8	NA	NA	NA	1.0
-4.3	1.5	-1.1	80.6	NA	NA	NA	1.0
-4.2	2.7	-0.4	60.6	NA	NA	NA	1.0
NA	NA	6.2	NA	NA	NA	NA	2.0
-5.1	8.0	-4.8	-84.1	NA	NA	NA	1.7
-4.9	8.0	-4.0	-43.4	-4.4	0.6	-10.5	1.4
-5.3	2.1	-0.5	46.3	NA	NA	NA	1.3
-5.0	6.3	-2.1	-92.2	NA	NA	NA	1.0
-5.0	1.3	0.3	-79.1	NA	NA	NA	1.0
-5.5	6.3	-1.4	35.3	-4.8	2.6	-167.9	1.4
-5.8	4.9	-0.7	52.8	-5.1	1.8	-3.8	1.0
-5.0	2.4	-6.5	-95.8	NA	NA	NA	1.7
-4.8	2.4	-1.3	-80.8	NA	NA	NA	1.2
-4.5	0.7	-0.3	-47.4	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.5	4.7	-0.8	104.8	NA	NA	NA	1.0
-4.9	4.2	-1.4	-90.6	NA	NA	NA	1.8
-5.0	4.0	-0.2	-88.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.7	4.0	-0.1	127.6	NA	NA	NA	0.4
-4.6	2.1	0.7	-131.3	NA	NA	NA	1.7
-4.6	4.0	-0.8	-88.7	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.1
-4.4	3.7	-0.2	148.5	NA	NA	NA	0.9
-4.6	3.1	4.0	-106.2	NA	NA	NA	1.6
-4.8	3.2	-0.3	-83.9	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.5	3.2	-0.1	35.5	NA	NA	NA	0.3
-4.7	3.3	-1.9	-110.7	NA	NA	NA	1.1
-4.5	3.0	0.2	-109.3	NA	NA	NA	1.0
-4.4	6.0	-0.7	-31.4	NA	NA	NA	1.0
-4.3	2.3	0.0	118.3	NA	NA	NA	1.0
-4.5	2.9	1.5	-125.9	NA	NA	NA	1.3
-4.3	3.0	0.9	-107.7	NA	NA	NA	1.0
-5.0	1.4	0.1	37.3	-4.4	9.9	-16.0	1.1
-4.4	1.5	0.7	85.6	NA	NA	NA	1.0
-4.5	4.9	1.0	-86.4	NA	NA	NA	1.1
-4.2	8.0	-0.5	-87.6	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.8
-4.2	7.5	0.2	95.4	NA	NA	NA	0.5
-4.3	3.1	-1.6	-110.8	NA	NA	NA	1.9
-4.2	8.0	-0.4	-88.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	7.9	0.1	163.8	NA	NA	NA	0.4
-4.5	8.0	2.5	-99.4	NA	NA	NA	1.0
-4.2	5.0	2.3	-54.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	4.5	-1.0	30.9	NA	NA	NA	0.9
-4.2	5.3	-1.3	-71.5	NA	NA	NA	1.3
-4.2	8.0	0.8	-101.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	0.0	32.5	NA	NA	NA	0.3
-4.2	8.0	-6.2	-127.4	NA	NA	NA	2.5
-4.1	8.0	-1.0	-55.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.2
-4.1	8.0	0.5	24.4	NA	NA	NA	0.5
-4.2	2.9	-1.7	-80.4	NA	NA	NA	1.7
-5.5	8.0	-0.4	-30.3	NA	NA	NA	1.2
-5.5	8.0	-1.3	72.7	NA	NA	NA	1.1
-5.5	8.0	-0.7	90.8	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.1	NA	NA	NA	NA	1.0
-4.3	2.1	0.1	66.8	NA	NA	NA	1.7
-4.8	8.0	2.9	14.5	NA	NA	NA	0.9
NA	NA	-1.5	NA	NA	NA	NA	1.8
NA	NA	-0.3	NA	NA	NA	NA	1.2
-4.6	2.6	0.4	102.9	-3.9	8.3	-53.9	1.6
-5.0	5.0	1.3	69.0	-4.0	1.4	-21.5	1.3
-4.0	3.7	0.7	-67.4	NA	NA	NA	1.2
-4.4	8.0	0.1	22.0	NA	NA	NA	0.5
-4.8	8.0	-1.5	76.7	-4.6	10.0	7.2	1.3
-4.8	7.8	-0.9	57.0	-4.6	10.0	-1.2	1.0
NA	NA	-1.0	NA	NA	NA	NA	2.2
-4.4	1.6	-2.2	-30.3	NA	NA	NA	1.0
-4.5	0.9	0.1	57.3	NA	NA	NA	1.3
-4.4	1.4	1.2	70.2	NA	NA	NA	1.2
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.4	6.7	0.5	-25.0	NA	NA	NA	1.0
-4.6	2.5	-0.3	45.5	NA	NA	NA	1.7
-4.4	1.9	-0.6	58.5	NA	NA	NA	1.7
NA	NA	-0.5	NA	NA	NA	NA	1.9
-5.1	2.1	0.3	-32.8	NA	NA	NA	1.0
-4.8	1.5	-1.8	100.6	-4.2	9.4	45.1	1.3
-4.8	1.7	-1.1	122.6	-4.1	10.0	32.8	1.2
NA	NA	-2.0	NA	NA	NA	NA	1.5
-5.1	0.9	0.8	20.3	NA	NA	NA	1.0
-5.2	0.9	0.6	11.8	-4.0	9.7	-30.7	1.0
-4.1	8.0	-0.4	65.1	NA	NA	NA	0.5
-4.1	8.0	6.0	-134.0	NA	NA	NA	1.6
-4.7	1.8	1.0	-41.7	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.4
-4.8	2.5	-0.6	12.4	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.1
-4.3	2.4	-1.5	-43.8	NA	NA	NA	1.0
-4.4	8.0	-2.1	-65.9	NA	NA	NA	1.7
-4.8	8.0	-0.8	22.2	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.4
-4.8	5.0	-2.1	-58.0	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	4.9	0.5	67.9	NA	NA	NA	0.9
NA	NA	-0.2	NA	NA	NA	NA	1.9
-4.5	4.2	1.8	-67.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.5
-4.3	3.4	-0.5	45.7	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.3	2.0	2.8	49.5	NA	NA	NA	1.0
-4.8	2.2	-1.9	16.3	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-2.1	NA	NA	NA	NA	0.8
NA	NA	1.0	NA	NA	NA	NA	0.9
-5.6	1.7	1.4	-80.6	NA	NA	NA	1.1
-5.8	2.2	0.2	-19.6	NA	NA	NA	1.0
-4.5	1.2	0.0	98.9	NA	NA	NA	1.0
-5.5	2.1	0.9	-98.6	NA	NA	NA	1.4
-5.1	2.4	-2.6	-18.9	NA	NA	NA	1.0
-5.2	1.5	1.9	27.8	NA	NA	NA	1.5
-4.9	1.1	2.0	47.0	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	1.4
NA	NA	-7.8	NA	NA	NA	NA	1.4
-4.7	0.8	-0.3	35.7	NA	NA	NA	1.7
-4.6	0.7	2.7	45.0	NA	NA	NA	1.7
NA	NA	-1.3	NA	NA	NA	NA	1.1
-5.1	8.0	4.4	-6.1	NA	NA	NA	1.0
-4.9	2.6	-1.7	69.9	-4.4	9.7	25.6	1.0
-5.0	3.8	-3.1	47.9	-4.3	1.8	6.9	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.5
NA	NA	-4.7	NA	NA	NA	NA	1.4
-9.4	1.0	-2.4	50.3	NA	NA	NA	2.3
-9.4	0.4	-6.5	35.5	NA	NA	NA	1.9
NA	NA	-4.4	NA	NA	NA	NA	1.9
-6.3	8.0	0.4	-16.9	-4.5	1.2	25.5	0.6
-6.5	8.0	-0.5	90.4	-4.3	2.6	-172.5	2.1
-6.4	8.0	0.5	68.9	-4.4	1.3	-65.9	1.2
NA	NA	-2.7	NA	NA	NA	NA	1.6
-4.5	1.1	1.2	-36.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	2.3	0.0	10.8	NA	NA	NA	0.4
NA	NA	1.1	NA	NA	NA	NA	1.7
-4.4	0.7	-0.3	-40.1	NA	NA	NA	1.0
-5.6	3.5	0.0	33.1	-4.4	10.0	1.5	1.0
-5.6	2.5	-0.2	31.1	-4.0	9.4	5.2	1.0
NA	NA	-4.8	NA	NA	NA	NA	2.0
-4.4	1.6	0.1	-41.5	NA	NA	NA	1.0
-4.9	5.0	-2.1	19.7	-4.4	10.0	-26.9	1.4
-4.9	2.3	-2.0	23.2	-4.2	10.0	-13.9	1.3
NA	NA	-2.8	NA	NA	NA	NA	2.0
-4.5	3.2	0.9	-28.0	NA	NA	NA	1.0
-4.8	8.0	-0.7	24.5	NA	NA	NA	1.2
-4.6	2.9	-1.4	42.2	NA	NA	NA	1.2
NA	NA	3.0	NA	NA	NA	NA	1.5
NA	NA	0.1	NA	NA	NA	NA	1.7
-7.3	5.4	0.6	77.4	-6.8	2.8	-6.5	1.0
-7.2	6.8	1.3	37.8	-6.8	3.3	-2.9	1.0
-7.1	2.8	0.8	-61.9	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-3.1	NA	NA	NA	NA	1.3
-6.5	4.5	0.1	62.0	-6.1	2.9	-5.7	1.0
-6.5	6.2	0.0	59.6	-6.2	3.2	-1.5	1.0
-6.4	3.2	1.8	-59.7	NA	NA	NA	1.2
-7.7	4.7	-4.2	1.9	NA	NA	NA	1.4
-7.0	8.0	-0.7	53.8	-6.6	3.0	-8.0	1.0
-7.0	8.0	0.2	29.8	-6.6	2.4	-8.3	0.8
-6.9	3.6	3.3	-58.6	NA	NA	NA	1.1
-5.5	0.7	-0.1	40.8	NA	NA	NA	1.6
-6.3	2.5	-3.0	18.2	-5.6	4.9	-74.1	2.2
-5.7	6.5	-1.6	-44.7	NA	NA	NA	1.8
-7.0	1.7	3.2	-60.2	NA	NA	NA	1.5
NA	NA	-1.5	NA	NA	NA	NA	1.8
-6.6	4.9	0.2	44.1	-6.2	5.8	-7.0	1.0
NA	NA	0.0	NA	NA	NA	NA	0.8
-6.6	2.3	3.2	-62.4	NA	NA	NA	1.6
-4.9	7.3	0.6	-16.6	NA	NA	NA	1.0
-4.7	1.2	0.9	94.0	NA	NA	NA	1.9
-4.8	1.9	-0.4	68.8	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.7
-4.2	8.0	1.8	-51.0	NA	NA	NA	1.4
-4.9	1.6	-2.0	67.2	-4.3	10.0	-52.6	2.2
-4.6	3.0	-0.3	42.8	-4.2	9.9	0.5	1.3
-4.2	5.0	0.5	-113.6	NA	NA	NA	1.3
-4.2	2.6	-0.3	-70.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.4
-4.2	8.0	0.0	28.0	NA	NA	NA	0.5
-4.1	2.9	-0.3	-89.4	NA	NA	NA	1.7
-4.1	5.3	1.3	-58.6	NA	NA	NA	1.2
-4.8	2.0	-1.9	59.9	-4.2	10.0	-55.0	1.8
-4.6	3.9	-1.6	50.1	-4.3	10.0	2.7	1.0
-4.3	8.0	-1.1	-93.2	NA	NA	NA	1.6
-4.2	2.6	1.1	-80.8	NA	NA	NA	1.0
-4.7	1.1	-0.4	-11.4	NA	NA	NA	1.0
-4.2	8.0	-0.9	57.2	NA	NA	NA	1.0
-4.2	1.9	0.5	-105.3	NA	NA	NA	1.5
-4.3	8.0	0.8	-38.4	NA	NA	NA	1.4
-4.7	2.8	-3.1	67.3	-4.3	10.0	-46.5	1.8
-4.5	8.0	-1.6	40.2	-4.3	10.0	-1.2	1.1
-4.2	7.8	1.5	-100.8	NA	NA	NA	1.3
-4.2	2.5	-0.2	-72.7	NA	NA	NA	1.2
NA	NA	-1.6	NA	NA	NA	NA	0.9
-4.0	3.7	-0.2	27.7	NA	NA	NA	0.5
-4.1	3.5	0.7	-101.7	NA	NA	NA	1.9
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.9	0.6	-6.9	70.3	NA	NA	NA	2.4

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.3	-1.2	53.7	NA	NA	NA	1.6
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.8	3.8	0.3	-23.5	NA	NA	NA	1.2
-4.7	1.9	0.1	67.4	NA	NA	NA	1.0
-4.6	2.3	0.1	68.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.2
-5.3	1.3	0.7	-10.4	NA	NA	NA	0.8
-5.4	0.7	-6.6	40.7	NA	NA	NA	1.6
-5.5	1.1	-2.3	29.7	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.3	1.4	0.5	51.9	NA	NA	NA	1.3
-4.3	1.7	-0.2	56.7	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.7
-5.3	3.6	-1.0	-10.5	NA	NA	NA	0.6
-4.8	5.8	1.1	36.8	NA	NA	NA	1.2
-4.6	1.5	1.4	78.5	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.1
-4.2	2.7	-0.3	-53.0	NA	NA	NA	1.0
-4.8	1.2	-1.2	37.5	-4.2	10.0	-110.1	2.1
-4.7	1.6	-0.4	39.5	-4.2	10.0	-2.1	1.4
-4.2	3.3	1.1	-124.9	NA	NA	NA	1.7
-4.2	4.9	-1.5	-96.2	NA	NA	NA	1.0
-4.4	8.0	-2.5	-25.8	NA	NA	NA	1.1
-4.2	7.5	-1.6	60.3	NA	NA	NA	1.0
-4.4	8.0	-0.5	-89.8	NA	NA	NA	1.1
-4.2	4.0	0.6	-93.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.1
-4.2	3.7	0.0	152.2	NA	NA	NA	0.9
-4.2	8.0	2.5	-102.9	NA	NA	NA	2.1
-4.3	2.4	0.3	-98.8	NA	NA	NA	1.2
-5.0	2.2	-1.8	22.7	-4.4	10.0	-20.9	1.0
-4.5	1.7	-1.3	59.2	NA	NA	NA	1.0
-4.2	8.0	1.6	-90.7	NA	NA	NA	1.4
-4.2	8.0	0.6	-94.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	7.2	-0.1	100.8	NA	NA	NA	0.4
-4.2	3.6	1.8	-134.3	NA	NA	NA	1.2
-4.2	8.0	-0.2	-70.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.4	7.3	0.3	53.0	NA	NA	NA	0.9
-4.4	3.7	2.0	-87.9	NA	NA	NA	2.0
-4.1	8.0	0.4	-71.0	NA	NA	NA	1.0
-4.8	1.9	0.1	9.9	-4.0	3.2	-34.4	1.0
-4.1	4.7	1.5	92.8	NA	NA	NA	1.0
-4.2	4.4	2.8	-88.1	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.1	0.8	-14.3	NA	NA	NA	1.0
-4.9	2.2	1.0	96.6	NA	NA	NA	1.0
-4.9	2.3	0.3	75.3	NA	NA	NA	1.0
NA	NA	3.1	NA	NA	NA	NA	1.7
-4.8	2.9	0.2	-14.8	NA	NA	NA	1.1
-5.0	3.7	-0.1	67.2	NA	NA	NA	1.0
-4.9	2.4	-0.2	68.3	NA	NA	NA	1.0
NA	NA	3.3	NA	NA	NA	NA	2.0
-5.3	1.8	-0.9	-48.8	NA	NA	NA	1.0
-5.7	3.1	1.0	36.1	-5.4	9.9	-30.7	1.0
-5.5	1.5	0.7	44.7	-5.3	10.0	-2.0	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.9
-5.0	0.9	-2.7	-52.3	NA	NA	NA	1.3
-7.1	1.7	-2.2	23.5	-5.2	6.4	-126.1	2.6
-6.0	0.9	1.6	53.4	-5.2	10.0	-14.8	1.9
-5.2	8.0	-0.9	-95.9	NA	NA	NA	1.8
-4.7	8.0	-1.3	-24.9	NA	NA	NA	1.6
NA	NA	-1.6	NA	NA	NA	NA	1.0
-4.5	8.0	-0.4	12.9	NA	NA	NA	1.1
-5.3	8.0	2.1	-79.5	NA	NA	NA	1.7
-4.6	4.6	-0.5	-79.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	4.0	0.1	94.3	NA	NA	NA	0.4
-5.3	2.5	0.9	-94.6	NA	NA	NA	1.1
-5.3	4.1	0.9	-59.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-5.3	3.3	0.2	72.8	-3.8	0.9	16.0	0.9
-5.6	2.9	3.2	-83.6	NA	NA	NA	2.3
-4.3	3.0	0.4	-79.8	NA	NA	NA	1.0
-5.7	7.3	0.9	23.9	-5.1	1.5	-11.4	1.0
-4.2	3.8	0.2	65.3	NA	NA	NA	1.0
-5.0	1.6	2.0	-96.9	NA	NA	NA	1.6
-5.1	2.1	0.2	-30.0	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.9	3.2	0.8	19.0	-4.3	4.8	-14.6	1.1
NA	NA	0.5	NA	NA	NA	NA	1.3
-5.3	4.6	0.2	-18.3	NA	NA	NA	1.2
-4.6	0.7	0.7	106.5	NA	NA	NA	1.9
-4.5	0.7	-0.1	109.7	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.6
-4.4	3.9	-0.8	-69.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	3.6	0.3	52.2	NA	NA	NA	0.4
-4.5	2.6	1.5	-85.7	NA	NA	NA	1.1
-4.2	5.8	0.6	-74.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	6.2	-0.1	44.5	NA	NA	NA	0.5
-4.4	7.3	-0.3	-74.5	NA	NA	NA	1.7
-4.5	7.9	1.3	-23.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.6	7.5	0.0	20.7	-4.0	1.5	-2.3	1.0
NA	NA	3.9	NA	NA	NA	NA	2.3
NA	NA	1.1	NA	NA	NA	NA	0.7
-4.6	3.3	-3.0	46.3	NA	NA	NA	1.4
-4.5	4.0	-2.3	53.8	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.7
NA	NA	-0.3	NA	NA	NA	NA	1.3
-5.2	8.0	1.7	73.0	-4.4	5.8	3.1	1.8
-5.2	8.0	0.6	59.6	-4.4	3.6	3.9	1.0
NA	NA	-1.7	NA	NA	NA	NA	2.2
NA	NA	-2.0	NA	NA	NA	NA	0.8
-5.1	3.2	-3.1	58.4	NA	NA	NA	1.5
-4.8	2.4	-0.8	69.2	-4.3	4.1	41.1	1.0
NA	NA	0.8	NA	NA	NA	NA	1.3
-4.6	0.9	1.3	-20.6	NA	NA	NA	1.2
NA	NA	2.5	NA	NA	NA	NA	0.9
-5.2	1.8	0.4	11.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.9
-4.5	1.2	1.7	-62.8	NA	NA	NA	1.0
-4.8	1.9	0.1	45.8	-4.1	10.0	8.0	1.0
-4.8	1.9	-1.3	56.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.0
-4.3	2.8	1.5	-61.2	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.3	2.1	-0.2	22.0	NA	NA	NA	0.4
-4.8	0.6	-0.9	-25.1	NA	NA	NA	1.7
-4.8	1.2	0.7	-51.6	NA	NA	NA	1.0
-5.1	1.8	-0.1	104.5	-4.6	10.0	23.7	1.1
-5.1	1.9	-0.2	100.1	-4.6	5.6	43.3	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.4	7.9	0.0	-88.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	7.6	0.2	56.4	NA	NA	NA	0.5
-4.4	8.0	2.6	-122.1	NA	NA	NA	1.7
NA	NA	-0.3	NA	NA	NA	NA	1.3
-5.0	2.4	1.7	86.3	-4.4	9.9	18.4	1.3
-5.3	3.9	1.6	23.8	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.3
-4.9	0.5	-2.7	-24.6	NA	NA	NA	1.5
-4.9	2.4	-0.5	57.2	NA	NA	NA	1.0
-4.8	1.9	1.4	76.8	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	2.4

ga	gw	zr	tp	la	lw	bt	er
-4.7	4.5	0.7	-16.6	NA	NA	NA	1.0
-4.5	3.8	0.5	47.8	NA	NA	NA	1.0
-4.8	6.9	0.0	23.5	NA	NA	NA	0.5
NA	NA	-0.4	NA	NA	NA	NA	1.9
-4.2	0.4	0.7	14.2	NA	NA	NA	1.3
-4.6	0.8	1.0	76.4	-4.3	10.0	-11.9	1.9
-4.9	3.1	0.1	25.4	-4.4	9.9	-25.5	0.8
NA	NA	-1.7	NA	NA	NA	NA	1.5
-4.5	1.7	0.8	-24.7	NA	NA	NA	1.1
-5.1	2.4	0.3	62.1	NA	NA	NA	1.0
-4.9	1.7	-0.3	71.0	NA	NA	NA	0.9
NA	NA	1.2	NA	NA	NA	NA	1.8
NA	NA	-1.4	NA	NA	NA	NA	1.1
-7.6	2.7	-0.1	30.8	-7.1	5.0	6.7	1.7
NA	NA	3.7	NA	NA	NA	NA	1.7
NA	NA	-7.1	NA	NA	NA	NA	2.1
-7.7	7.8	-0.9	-25.5	-5.9	1.2	3.8	1.3
-7.6	8.0	-1.0	69.8	-5.0	9.9	29.9	2.1
-7.8	4.0	-0.2	83.6	-5.8	1.0	7.4	1.7
-5.6	1.4	2.1	-45.1	NA	NA	NA	2.2
-6.5	1.3	1.6	-13.4	NA	NA	NA	1.4
-6.9	1.2	-1.3	51.3	NA	NA	NA	1.0
-6.8	1.2	-1.0	45.8	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	2.0
-5.8	0.5	0.5	-46.2	NA	NA	NA	1.4
-7.9	5.6	4.4	152.4	-6.3	0.6	16.6	2.0
-7.9	8.0	0.2	111.4	-6.8	1.9	60.2	1.5
-6.3	0.8	1.7	-72.1	NA	NA	NA	1.7
-4.4	1.9	-0.1	-44.2	NA	NA	NA	1.0
-4.6	1.1	-1.0	36.8	NA	NA	NA	1.0
-4.4	1.5	-0.6	70.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
-4.3	2.1	0.3	-22.3	NA	NA	NA	0.6
-4.7	2.0	-1.3	81.0	NA	NA	NA	1.6
-4.5	2.0	-2.0	88.3	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.0
-4.3	2.5	-1.2	-94.9	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	0.8
-4.4	1.8	-1.0	37.4	NA	NA	NA	1.0
-4.3	1.5	-1.1	-124.2	NA	NA	NA	1.7
-4.4	3.3	-0.3	-67.1	NA	NA	NA	1.0
-5.0	3.6	-1.0	123.7	-4.5	10.0	-173.6	1.9
-4.5	8.0	0.7	-59.2	-4.2	10.0	-11.9	1.2
-4.9	1.9	-1.9	-95.9	NA	NA	NA	1.0
-4.2	8.0	-0.7	-74.3	NA	NA	NA	1.0
-4.7	2.6	-0.3	15.8	-4.1	7.6	-16.0	0.5



ga	gw	zr	tp	la	lw	bt	er
-4.4	2.8	-0.1	28.9	NA	NA	NA	0.4
-4.5	1.2	-1.6	-124.5	NA	NA	NA	1.0
-4.2	8.0	1.5	-66.3	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.1
-4.2	7.4	-0.7	49.6	NA	NA	NA	0.5
-4.3	8.0	0.9	-92.8	NA	NA	NA	1.5
-5.8	3.8	-0.9	-42.4	-5.3	10.0	-9.4	1.0
-5.8	8.0	3.0	82.5	-5.2	10.0	-37.7	1.0
-5.8	8.0	2.1	130.1	-5.3	9.6	-21.5	1.0
-4.6	2.4	-0.8	-119.7	NA	NA	NA	1.5
-5.3	8.0	0.8	-52.1	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.0
-5.2	4.3	-0.2	30.6	-3.4	10.0	0.3	0.4
-5.2	8.0	-1.1	-83.8	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.6	2.3	3.0	60.6	NA	NA	NA	1.6
-4.5	2.5	1.5	56.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
-4.4	1.9	-0.3	-80.2	NA	NA	NA	1.1
-4.2	8.0	-0.1	-28.8	NA	NA	NA	1.1
-4.7	8.0	-0.2	23.1	NA	NA	NA	1.0
-4.4	6.6	-1.2	-61.1	NA	NA	NA	1.3
-4.5	3.0	0.1	-76.0	NA	NA	NA	1.1
-4.2	8.0	0.3	-30.7	NA	NA	NA	1.5
-4.7	8.0	-0.1	25.1	NA	NA	NA	1.2
-4.5	5.9	1.2	-46.2	NA	NA	NA	1.5
-4.4	1.9	1.0	-20.7	NA	NA	NA	1.1
-4.4	2.4	-0.9	30.9	NA	NA	NA	1.5
-4.2	2.5	-0.7	73.2	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.5	2.3	-3.2	-83.9	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	1.7
-4.6	1.6	1.6	58.4	-4.1	10.0	6.9	1.7
-4.5	4.5	-0.9	-36.2	NA	NA	NA	1.5
-4.5	3.9	0.1	60.7	NA	NA	NA	1.1
-5.9	1.5	0.0	60.4	-4.7	3.5	-157.2	1.5
-5.7	2.2	0.4	60.9	-4.9	2.5	-71.6	1.0
-4.6	5.4	-0.6	-63.8	NA	NA	NA	1.8
-4.6	2.7	-0.3	-55.0	NA	NA	NA	1.0
-5.3	5.7	0.3	11.8	-4.5	9.7	-6.3	0.5
-5.1	4.3	0.2	11.9	NA	NA	NA	0.4
-5.3	1.9	1.4	-48.8	NA	NA	NA	1.2
-5.5	5.9	-0.6	-42.5	-4.6	10.0	-8.4	1.0
-5.0	1.8	1.2	384.6	-4.6	10.0	68.5	1.4
-4.8	1.2	-0.4	597.4	-4.6	7.9	111.6	1.7
NA	NA	-3.7	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.9	1.5	2.4	-12.4	NA	NA	NA	1.0
-4.8	3.5	-2.2	62.4	NA	NA	NA	1.7
-4.7	8.0	2.0	61.1	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.6
-5.4	1.7	0.0	-21.0	NA	NA	NA	1.1
-5.3	0.8	-1.6	67.6	-4.4	10.0	40.2	1.6
-5.1	1.0	-0.8	90.0	-4.0	1.3	36.2	0.7
NA	NA	1.4	NA	NA	NA	NA	1.4
-4.9	1.0	-0.4	-27.3	NA	NA	NA	1.0
-5.3	5.6	0.8	30.8	NA	NA	NA	1.3
-4.9	1.9	0.2	50.1	-4.1	10.0	12.6	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
-4.3	2.8	2.3	-53.3	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	0.5
-4.5	8.0	-1.9	21.0	NA	NA	NA	1.0
-4.4	8.0	-0.1	-48.2	NA	NA	NA	1.2
-4.2	5.9	-0.8	-43.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.2	8.0	0.1	21.4	NA	NA	NA	0.5
-4.2	8.0	-1.5	-80.4	NA	NA	NA	1.5
-4.2	2.8	0.7	-88.0	NA	NA	NA	1.1
-4.7	1.6	0.7	39.7	-4.2	10.0	-204.3	1.7
-4.8	1.3	-1.1	39.6	-4.1	9.6	0.7	1.0
-4.3	8.0	1.7	-56.5	NA	NA	NA	1.4
-4.2	3.2	-2.0	-92.4	NA	NA	NA	1.1
NA	NA	0.9	NA	NA	NA	NA	0.0
-4.2	4.0	0.9	59.9	NA	NA	NA	0.4
-4.5	5.6	-0.5	-98.2	NA	NA	NA	1.0
-4.7	8.0	-1.4	-57.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.7	8.0	1.0	58.2	NA	NA	NA	0.9
-4.6	8.0	0.2	-89.3	NA	NA	NA	1.4
-4.1	4.0	1.0	-115.3	NA	NA	NA	1.0
-4.4	6.8	0.2	-11.6	NA	NA	NA	1.0
-4.2	8.0	-0.2	136.3	NA	NA	NA	1.0
-4.3	8.0	1.2	-107.6	NA	NA	NA	1.7
-4.8	1.0	-0.8	-26.0	NA	NA	NA	1.0
-5.4	1.6	-4.1	62.6	-4.9	10.0	34.5	1.8
-5.6	1.9	-1.0	42.2	NA	NA	NA	1.1
NA	NA	2.5	NA	NA	NA	NA	1.3
NA	NA	-3.2	NA	NA	NA	NA	1.6
-7.1	3.5	0.1	140.1	-6.5	2.1	-8.5	1.3
-7.2	3.4	1.0	115.4	-6.5	1.5	-5.9	1.3
NA	NA	-4.8	NA	NA	NA	NA	1.6
-4.5	3.5	-1.2	-90.7	NA	NA	NA	1.0
-5.2	8.0	-1.2	27.5	-4.8	10.0	-22.7	1.3

ga	gw	zr	tp	la	lw	bt	er
-5.1	6.9	-0.4	31.0	NA	NA	NA	1.3
-4.5	8.0	-0.4	-88.6	NA	NA	NA	2.0
-4.5	8.0	-1.4	-88.2	NA	NA	NA	1.4
NA	NA	-1.3	NA	NA	NA	NA	0.4
-4.5	8.0	-1.7	91.1	NA	NA	NA	1.0
-4.5	3.2	-4.0	-129.6	NA	NA	NA	1.6
-4.5	6.1	-0.7	-95.5	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.5	8.0	-0.2	106.8	NA	NA	NA	0.4
-4.7	4.5	-3.0	-94.1	NA	NA	NA	1.0
-4.4	4.1	-3.0	-101.3	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.5	4.4	-0.3	96.9	NA	NA	NA	0.5
-4.5	3.0	-0.9	-118.6	NA	NA	NA	2.0
-4.4	4.2	-0.1	-106.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.4	8.0	-1.1	131.7	NA	NA	NA	1.0
-4.5	2.9	-0.8	-136.3	NA	NA	NA	1.2
NA	NA	2.0	NA	NA	NA	NA	1.1
-4.2	2.5	-1.1	79.6	NA	NA	NA	1.8
-4.1	3.7	-0.8	50.0	NA	NA	NA	1.0
NA	NA	2.8	NA	NA	NA	NA	1.5
NA	NA	1.5	NA	NA	NA	NA	1.5
NA	NA	3.7	NA	NA	NA	NA	2.0
-5.0	0.8	-0.2	44.2	-4.3	9.3	5.3	1.3
NA	NA	-1.8	NA	NA	NA	NA	1.9
-5.0	8.0	0.2	-24.0	NA	NA	NA	1.0
-4.7	4.2	-4.2	105.4	NA	NA	NA	1.5
-4.8	3.8	-2.3	100.1	NA	NA	NA	1.0
NA	NA	-3.2	NA	NA	NA	NA	1.9
-4.6	3.8	-1.8	-23.6	NA	NA	NA	1.0
-4.7	3.8	-0.2	38.7	NA	NA	NA	1.0
-4.6	3.6	0.4	44.8	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	2.3
-4.6	4.5	-0.7	-25.0	NA	NA	NA	1.0
-4.7	4.7	-0.5	42.5	NA	NA	NA	1.0
-4.7	3.8	-0.2	52.4	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.8
-4.7	1.8	-3.5	39.8	NA	NA	NA	1.8
-4.4	1.4	-1.8	47.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.7
-4.6	1.7	0.0	-13.0	NA	NA	NA	0.6
-4.3	1.5	0.1	59.5	NA	NA	NA	1.4
-4.4	1.7	-0.3	52.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-6.8	1.3	-0.3	-14.1	NA	NA	NA	1.2
-6.8	2.4	-0.8	42.9	NA	NA	NA	1.7
-6.8	1.8	-0.1	40.4	NA	NA	NA	1.8
NA	NA	-0.4	NA	NA	NA	NA	2.1
-6.7	3.8	-0.4	-14.4	NA	NA	NA	1.4
-6.9	2.6	-7.3	11.6	NA	NA	NA	2.4
-6.6	2.6	-5.0	27.3	NA	NA	NA	2.1
NA	NA	1.9	NA	NA	NA	NA	1.9
NA	NA	-2.4	NA	NA	NA	NA	1.4
-8.4	4.5	1.6	54.6	-7.9	2.9	-2.3	1.0
-8.4	5.6	1.3	47.9	-7.9	2.6	-1.9	1.0
NA	NA	7.7	NA	NA	NA	NA	1.9
-4.4	2.7	1.1	-30.2	NA	NA	NA	1.0
-4.8	3.3	0.7	23.5	NA	NA	NA	1.3
-4.6	2.4	0.0	35.2	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.0
-5.0	2.2	3.3	39.1	NA	NA	NA	1.5
-4.4	1.0	1.4	42.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.7	3.8	0.3	36.3	NA	NA	NA	1.0
-4.7	3.5	0.1	29.3	NA	NA	NA	0.9
NA	NA	-3.0	NA	NA	NA	NA	2.2
-4.4	8.0	-2.1	65.3	NA	NA	NA	1.2
-5.0	4.6	3.3	51.8	-4.6	8.2	-77.8	1.5
-4.8	5.8	2.1	51.9	-4.4	6.9	-64.3	1.0
-4.4	4.0	-0.7	-74.7	NA	NA	NA	1.5
-4.4	8.0	0.7	-35.8	NA	NA	NA	1.0
-4.5	4.6	-7.5	25.0	NA	NA	NA	2.1
-4.5	8.0	-3.2	55.4	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.6
-5.1	8.0	0.6	-19.4	NA	NA	NA	1.0
-5.0	5.3	-0.2	59.2	-4.4	10.0	35.2	1.5
-5.1	7.7	-0.7	67.7	-4.6	2.0	37.4	1.3
NA	NA	-1.6	NA	NA	NA	NA	1.3
-5.2	8.0	0.8	-5.3	NA	NA	NA	1.0
-5.2	8.0	-0.1	67.6	-4.6	10.0	21.0	0.5
-5.2	7.9	-0.3	55.1	-4.7	9.4	16.1	0.4
NA	NA	1.7	NA	NA	NA	NA	1.4
NA	NA	1.3	NA	NA	NA	NA	1.3
-5.6	1.0	-0.3	59.3	-4.5	4.4	7.1	1.0
-5.6	1.2	-1.7	42.7	-4.5	6.0	2.4	0.9
NA	NA	-0.4	NA	NA	NA	NA	1.7
-5.4	8.0	-1.0	-10.4	NA	NA	NA	0.8
-5.3	8.0	-0.3	64.0	-4.4	3.0	-2.9	1.6

ga	gw	zr	tp	la	lw	bt	er
-5.3	8.0	1.7	61.0	-4.5	3.5	2.4	1.0
NA	NA	-3.4	NA	NA	NA	NA	1.6
-4.4	8.0	1.0	-81.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.9
-4.2	8.0	-0.9	50.4	NA	NA	NA	0.5
-4.4	4.1	-2.0	-96.7	NA	NA	NA	1.2
-4.2	8.0	-0.5	-71.5	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.5
-4.2	7.7	0.5	65.2	NA	NA	NA	1.0
-4.6	4.4	1.5	-52.1	NA	NA	NA	1.9
-4.2	4.9	0.9	-110.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	5.4	0.2	183.5	NA	NA	NA	0.4
-4.3	3.7	1.2	-122.1	NA	NA	NA	1.0
-4.3	6.1	-0.1	-58.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.1
-4.2	3.8	0.1	59.8	NA	NA	NA	0.9
-4.6	8.0	-1.5	-82.4	NA	NA	NA	1.9
-4.3	8.0	-0.6	-77.3	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.1	4.5	1.1	157.0	NA	NA	NA	1.0
-4.2	2.6	0.8	-134.2	NA	NA	NA	1.6
-5.8	4.3	0.0	-69.8	NA	NA	NA	1.0
-6.0	4.1	3.1	78.4	-5.5	10.0	-33.9	1.2
-6.0	4.2	1.2	82.2	-5.6	9.7	12.6	1.0
-5.2	3.0	-0.4	-50.0	NA	NA	NA	1.0
-5.0	8.0	-1.7	-62.7	NA	NA	NA	1.5
-5.9	8.0	4.3	68.3	-5.4	10.0	-176.7	2.6
-6.0	1.9	2.7	46.9	-5.4	9.9	-27.2	1.7
-5.4	2.2	0.9	-101.2	NA	NA	NA	1.5
-4.8	2.4	3.4	-37.8	NA	NA	NA	1.7
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.5	2.2	-3.5	28.0	NA	NA	NA	1.4
-5.5	8.0	-4.3	-80.6	NA	NA	NA	2.1
-5.4	7.2	1.5	-83.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-5.0	2.7	-0.3	96.1	NA	NA	NA	0.4
-5.4	3.6	0.2	-94.5	NA	NA	NA	1.0
-5.2	1.4	2.3	-71.2	NA	NA	NA	1.6
-6.8	7.6	0.7	33.9	-6.3	3.3	0.2	1.0
-4.7	0.9	-0.3	123.9	NA	NA	NA	1.3
-5.8	1.9	-1.1	-76.0	NA	NA	NA	1.9
-5.4	4.9	0.5	-57.0	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	1.2	-0.4	20.1	NA	NA	NA	0.3
NA	NA	0.3	NA	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-5.0	1.2	-0.9	-82.2	NA	NA	NA	1.4
-6.4	2.6	-0.5	26.0	-5.4	10.0	-11.0	1.0
-4.5	1.0	0.7	140.6	NA	NA	NA	1.5
-5.3	1.2	1.7	-103.9	NA	NA	NA	1.8
-5.8	1.7	1.6	-67.6	NA	NA	NA	1.0
-6.2	1.8	-1.2	72.9	-5.6	8.5	-33.2	1.1
-6.0	1.7	0.1	80.3	-5.7	10.0	12.7	1.3
-5.3	8.0	1.3	-25.0	NA	NA	NA	1.0
-4.6	8.0	-0.7	-57.6	NA	NA	NA	1.8
-6.1	8.0	1.6	76.9	-5.2	1.9	-165.8	2.5
-6.1	1.7	0.5	70.8	-5.5	10.0	-28.7	1.7
-4.9	1.3	2.3	-112.8	NA	NA	NA	2.1
-6.1	7.9	1.9	16.2	-5.0	3.2	-26.1	1.4
-6.0	3.8	1.1	-14.3	NA	NA	NA	1.1
-5.0	8.0	-2.3	8.9	NA	NA	NA	1.4
-5.3	5.0	-0.7	-70.4	NA	NA	NA	2.0
-5.4	8.0	1.4	-81.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-5.1	4.5	-0.1	114.5	-4.9	10.0	78.5	0.4
-5.3	1.3	-0.9	-95.5	NA	NA	NA	1.4
-4.6	0.9	0.3	-86.7	NA	NA	NA	1.8
-6.6	5.4	0.6	28.3	-6.0	5.9	4.4	1.0
-4.1	0.5	-1.3	113.1	NA	NA	NA	1.9
-6.0	4.0	-0.4	-69.5	NA	NA	NA	2.2
-5.4	3.6	-0.4	-61.1	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.0
-5.1	1.9	-0.1	15.3	NA	NA	NA	0.3
NA	NA	0.6	NA	NA	NA	NA	1.6
-5.2	1.2	0.1	-69.3	NA	NA	NA	1.3
-6.1	1.9	0.1	60.1	-5.4	4.4	-13.4	1.0
-4.9	0.8	-0.4	110.1	NA	NA	NA	1.3
-5.4	1.4	2.6	-103.3	NA	NA	NA	2.0
-4.5	2.4	-1.5	-51.3	NA	NA	NA	1.0
-4.9	1.0	-1.3	26.6	-4.1	10.0	-15.1	1.3
-4.6	1.5	0.4	55.9	NA	NA	NA	1.2
-4.4	8.0	-0.3	-44.4	NA	NA	NA	1.0
-4.5	4.4	-1.4	-17.8	NA	NA	NA	0.9
-4.2	2.1	0.0	55.0	NA	NA	NA	1.5
-4.2	2.1	1.4	65.0	NA	NA	NA	1.1
NA	NA	5.4	NA	NA	NA	NA	1.5
-4.3	2.3	0.2	-30.8	NA	NA	NA	1.0
-5.2	5.4	-0.4	23.6	NA	NA	NA	1.0
-4.4	1.3	-0.6	48.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.9
-4.3	2.3	0.4	-92.8	NA	NA	NA	1.0
-5.0	8.0	-0.6	13.7	-4.3	7.8	-27.1	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.8	3.6	-0.6	29.8	NA	NA	NA	1.1
-4.2	4.9	0.1	-94.8	NA	NA	NA	1.1
-4.3	1.2	0.0	-54.9	NA	NA	NA	1.0
-4.0	8.0	0.2	-46.5	NA	NA	NA	2.0
-4.6	2.1	0.1	50.6	NA	NA	NA	1.1
-4.3	2.5	0.8	-42.1	NA	NA	NA	1.4
-4.3	2.0	-2.0	-78.9	NA	NA	NA	1.1
-4.2	8.0	0.8	-24.5	NA	NA	NA	1.3
-4.6	2.2	0.6	36.5	NA	NA	NA	1.1
-4.2	4.1	-0.9	-77.8	NA	NA	NA	1.4
-4.4	1.8	-0.2	-48.3	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.7
-4.6	2.4	0.6	55.8	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	2.0
-4.2	1.7	2.4	-93.5	NA	NA	NA	1.2
-4.2	8.0	-0.8	-34.4	NA	NA	NA	1.5
-4.8	5.3	-1.8	26.1	NA	NA	NA	1.2
-4.1	2.3	0.0	-92.5	NA	NA	NA	1.5
-4.2	1.9	-0.3	-72.4	NA	NA	NA	1.3
-4.1	8.0	0.4	-133.2	NA	NA	NA	1.9
-4.6	1.3	0.0	50.6	-4.2	10.0	3.5	1.5
-4.1	3.9	-3.0	-117.4	NA	NA	NA	1.8
-4.2	6.5	0.5	-80.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	8.0	-0.3	25.9	NA	NA	NA	0.4
-4.3	2.9	0.1	-86.0	NA	NA	NA	1.2
-4.1	5.2	0.5	-59.9	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.1	8.0	-0.6	30.3	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	2.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
-5.5	2.3	0.9	82.2	-4.4	9.8	24.2	1.7
-5.5	3.0	1.7	60.9	-4.3	9.9	14.8	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	0.8
-5.6	3.3	-2.7	68.2	NA	NA	NA	1.4
-5.7	8.0	-1.8	28.5	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.2
-5.7	8.0	-0.1	14.6	NA	NA	NA	1.0
-5.6	4.3	-0.2	127.8	NA	NA	NA	1.0
-5.6	3.8	-0.1	72.5	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.7
NA	NA	0.5	NA	NA	NA	NA	0.8
-5.6	2.5	0.9	53.0	NA	NA	NA	1.0
-5.7	0.9	0.5	24.9	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
NA	NA	2.5	NA	NA	NA	NA	1.0
-4.7	4.1	2.6	29.5	NA	NA	NA	2.0
-4.4	1.2	-0.4	28.3	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	1.1
-5.0	1.7	0.7	-63.5	NA	NA	NA	1.0
-4.5	3.9	-1.9	-161.0	NA	NA	NA	2.5
-5.6	1.9	-2.8	27.3	-4.4	10.0	-15.7	1.3
-4.9	8.0	-1.4	-96.9	NA	NA	NA	1.5
-4.6	3.3	3.2	-46.2	NA	NA	NA	1.6
NA	NA	0.7	NA	NA	NA	NA	0.1
-4.6	3.4	-0.8	38.5	NA	NA	NA	0.9
-4.6	1.2	-7.4	-102.7	NA	NA	NA	2.0
-4.3	1.9	1.5	-56.4	NA	NA	NA	1.0
-4.9	3.4	0.2	11.9	NA	NA	NA	1.0
-4.3	1.9	-0.9	50.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.9
-5.2	2.8	0.5	-47.4	-4.3	8.9	-6.0	1.6
-5.9	0.6	-9.7	32.3	-5.1	10.0	-40.1	2.5
-5.4	1.4	-3.8	73.7	-4.8	8.6	-13.6	2.4
-5.1	4.9	4.5	-82.2	NA	NA	NA	1.9
-4.9	2.0	0.1	-30.2	-4.2	9.8	5.1	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.7	2.4	-0.1	27.1	-4.1	9.5	-11.3	0.9
-4.9	3.6	-1.3	-51.9	NA	NA	NA	2.5
-4.6	4.3	1.8	-24.6	NA	NA	NA	1.0
-4.5	4.3	0.6	45.7	-4.3	9.9	1.7	1.0
-4.5	3.8	-0.4	57.9	-4.1	10.0	8.2	1.0
NA	NA	-6.4	NA	NA	NA	NA	2.0
-4.3	3.0	1.4	-33.7	NA	NA	NA	1.0
-4.2	4.5	-0.7	48.8	NA	NA	NA	1.0
-4.3	4.4	-0.9	58.3	NA	NA	NA	1.0
NA	NA	-3.7	NA	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	0.7
-4.7	1.3	0.5	103.2	NA	NA	NA	1.2
-4.7	1.0	0.5	44.3	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.3
NA	NA	0.7	NA	NA	NA	NA	0.9
-4.0	0.7	-2.5	146.2	NA	NA	NA	2.2
-4.4	1.1	-1.2	82.5	NA	NA	NA	1.5
NA	NA	-1.7	NA	NA	NA	NA	2.0
NA	NA	0.8	NA	NA	NA	NA	1.7
-4.3	2.5	-0.3	202.2	NA	NA	NA	1.0
-4.3	3.1	-0.3	126.1	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	2.4
NA	NA	-0.8	NA	NA	NA	NA	0.5
-4.5	8.0	-0.1	37.4	NA	NA	NA	0.5



ga	gw	zr	tp	la	lw	bt	er
-4.4	3.7	0.1	27.6	NA	NA	NA	0.4
NA	NA	0.8	NA	NA	NA	NA	1.3
-6.5	0.4	-3.3	5.4	NA	NA	NA	1.3
-4.2	3.5	0.0	54.5	NA	NA	NA	0.5
-4.2	3.6	0.0	22.9	NA	NA	NA	0.3
NA	NA	0.1	NA	NA	NA	NA	1.6
NA	NA	0.6	NA	NA	NA	NA	1.1
-4.3	8.0	1.9	143.7	NA	NA	NA	1.0
-4.1	3.2	0.2	85.1	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	2.2
-5.0	2.0	0.2	109.9	-4.5	10.0	29.2	1.0
-4.9	4.8	-1.8	54.5	-4.7	10.0	4.9	1.1
NA	NA	-1.5	NA	NA	NA	NA	0.6
NA	NA	-1.9	NA	NA	NA	NA	1.6
-4.6	2.0	1.5	318.4	NA	NA	NA	1.2
-4.6	1.7	-0.1	227.2	NA	NA	NA	0.5
-5.0	1.8	-0.2	20.7	NA	NA	NA	0.4
NA	NA	-1.0	NA	NA	NA	NA	1.0
-4.7	3.2	-0.3	-80.6	NA	NA	NA	1.0
-4.9	5.9	0.1	-13.8	NA	NA	NA	1.0
-4.5	2.7	-0.4	98.5	NA	NA	NA	1.0
-4.8	4.8	1.7	-99.9	NA	NA	NA	1.5
-4.7	0.8	1.1	-33.9	NA	NA	NA	1.0
-5.6	3.9	0.7	31.9	-4.3	9.2	4.9	1.0
-5.6	4.3	-0.3	31.3	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	0.7
NA	NA	1.0	NA	NA	NA	NA	0.9
-4.4	5.4	1.2	48.2	NA	NA	NA	2.0
-4.0	1.8	-0.8	52.4	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.3	2.6	-1.1	-64.5	NA	NA	NA	1.0
-5.1	2.3	-3.4	13.0	NA	NA	NA	1.0
-4.4	1.8	-1.9	78.6	NA	NA	NA	1.0
-4.2	7.3	-1.9	-59.5	NA	NA	NA	1.1
-4.3	2.2	-0.6	-110.6	NA	NA	NA	1.0
-5.2	3.7	-1.1	21.3	-4.5	3.2	-30.1	1.0
-4.1	1.2	-0.4	120.8	NA	NA	NA	1.2
-4.5	8.0	-0.4	-86.7	NA	NA	NA	1.0
-4.3	2.8	-1.2	-84.5	NA	NA	NA	1.2
-4.7	1.8	1.8	66.3	-4.2	10.0	-130.9	1.7
-4.7	3.8	1.4	94.5	-4.3	10.0	18.2	1.0
-4.2	3.6	1.4	-137.9	NA	NA	NA	1.8
-4.2	5.0	-0.6	-99.5	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	0.4
-4.2	6.9	-0.1	207.5	NA	NA	NA	1.0
-4.2	8.0	3.2	-134.1	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
-4.3	5.1	-0.4	-94.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	8.0	-0.1	161.5	NA	NA	NA	0.4
-4.5	8.0	1.3	-97.8	NA	NA	NA	1.0
-4.2	4.0	-1.5	-75.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	6.3	0.7	86.4	NA	NA	NA	0.5
-4.2	3.3	-3.1	-79.9	NA	NA	NA	1.5
-4.2	8.0	0.4	-84.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.2	0.0	45.6	NA	NA	NA	0.3
-4.4	8.0	-0.7	-97.8	NA	NA	NA	1.2
-4.2	6.5	0.8	-113.0	NA	NA	NA	1.0
-4.2	6.1	0.7	-30.6	NA	NA	NA	1.0
-4.2	8.0	0.6	208.0	NA	NA	NA	1.0
-4.2	5.8	1.3	-128.0	NA	NA	NA	2.1
-5.4	1.3	-0.7	-19.8	NA	NA	NA	1.0
-5.2	1.4	2.7	105.1	-4.0	2.7	30.1	1.7
-4.9	0.9	0.2	110.6	NA	NA	NA	1.0
NA	NA	2.7	NA	NA	NA	NA	1.5
-5.3	1.8	-1.8	-18.0	NA	NA	NA	1.0
-5.4	1.2	2.5	76.2	NA	NA	NA	1.8
-5.2	1.1	2.2	87.6	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	1.8
-4.9	1.7	-1.1	-23.3	NA	NA	NA	1.0
-5.1	1.5	0.3	68.1	-4.3	3.4	15.0	1.5
-5.1	2.2	1.0	62.5	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.2	2.8	1.9	110.7	NA	NA	NA	2.1
-4.2	2.5	1.1	70.7	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	1.3
-4.9	8.0	-1.1	30.2	-4.3	1.9	-12.4	1.6
-5.0	6.1	-0.5	20.2	-4.0	1.5	-23.7	1.4
NA	NA	1.6	NA	NA	NA	NA	1.1
-4.5	5.0	1.5	-58.9	NA	NA	NA	1.0
-5.0	2.0	1.5	117.2	-4.5	8.3	-210.6	1.9
-5.1	4.7	0.1	51.3	-4.6	10.0	-46.3	1.0
-4.5	3.6	-2.2	-98.5	NA	NA	NA	1.2
-4.2	8.0	-1.0	-79.2	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.2	8.0	0.4	30.0	NA	NA	NA	0.8
-4.4	5.4	-1.1	-77.4	NA	NA	NA	1.7
-4.2	3.4	0.9	-109.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	5.4	-0.2	84.0	NA	NA	NA	0.4
-4.3	2.7	-0.5	-113.7	NA	NA	NA	1.0
-4.3	2.0	-0.9	-94.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.5
-4.1	2.4	0.2	106.2	NA	NA	NA	0.9
-4.6	3.0	3.4	-75.6	NA	NA	NA	1.7
-4.2	8.0	-0.8	-91.8	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.9	0.1	17.9	NA	NA	NA	0.3
-4.2	4.1	-0.8	-92.1	NA	NA	NA	1.2
-4.6	1.7	3.4	-69.4	NA	NA	NA	1.0
-4.8	1.7	1.4	-18.8	NA	NA	NA	1.0
-4.4	2.0	-0.9	47.5	NA	NA	NA	1.0
-4.6	1.7	1.8	-103.7	NA	NA	NA	1.7
-4.5	3.9	-1.0	-96.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.3
-4.4	7.3	0.0	192.8	NA	NA	NA	0.5
-4.7	8.0	5.1	-97.1	NA	NA	NA	1.7
-4.4	8.0	-1.7	-31.3	NA	NA	NA	1.0
-4.2	7.8	-0.9	64.0	NA	NA	NA	1.3
-4.4	5.7	-0.3	79.3	NA	NA	NA	1.1
NA	NA	-2.9	NA	NA	NA	NA	1.8
-4.6	2.5	0.4	-41.1	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.3
-4.6	1.1	-0.3	24.1	NA	NA	NA	1.0
-4.5	1.5	-0.6	-69.0	NA	NA	NA	1.0
-4.3	5.5	-1.1	-62.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	8.0	0.2	23.0	NA	NA	NA	0.4
-4.5	1.8	2.4	-109.2	NA	NA	NA	1.3
-4.7	8.0	0.6	-13.2	NA	NA	NA	1.0
-4.9	2.0	0.8	62.7	NA	NA	NA	1.8
-4.7	1.5	0.0	60.2	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.9
-4.4	6.2	0.8	-81.9	NA	NA	NA	1.1
-4.7	0.9	1.9	47.8	-4.5	10.0	-147.5	1.3
NA	NA	0.8	NA	NA	NA	NA	0.8
-4.5	3.0	-1.6	-117.5	NA	NA	NA	1.4
-4.4	2.1	-2.0	-84.3	NA	NA	NA	1.0
-4.2	8.0	-0.2	-30.2	NA	NA	NA	1.3
-4.6	2.3	0.0	46.0	NA	NA	NA	1.0
-4.3	2.8	-0.1	-114.3	NA	NA	NA	1.0
-4.8	2.2	-0.6	-41.2	NA	NA	NA	1.0
-4.9	4.1	0.6	20.3	NA	NA	NA	1.0
-4.6	1.8	0.5	71.7	NA	NA	NA	1.0
NA	NA	-4.4	NA	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.4	2.9	-13.8	NA	NA	NA	1.3
-4.8	8.0	-1.6	44.9	NA	NA	NA	1.8
-4.6	2.3	-3.0	59.4	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	1.1
NA	NA	-2.3	NA	NA	NA	NA	1.7
-5.5	1.6	-2.1	70.9	-4.5	10.0	31.0	1.2
-5.5	3.8	-0.4	56.4	-4.2	2.1	12.1	1.0
NA	NA	-3.8	NA	NA	NA	NA	2.3
-5.1	4.8	-1.5	-17.9	NA	NA	NA	1.0
-5.2	1.2	-4.0	43.4	-4.4	10.0	15.4	1.5
-5.2	2.3	-1.0	40.6	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.3
-5.1	0.9	-1.1	65.8	NA	NA	NA	1.0
-5.6	1.7	-0.8	34.0	-4.9	9.9	-66.4	1.7
-4.6	2.2	0.2	-61.6	NA	NA	NA	1.0
NA	NA	-12.7	NA	NA	NA	NA	2.5
-5.8	7.9	0.5	-15.8	-4.3	1.7	9.9	1.1
-6.0	8.0	-0.1	13.8	-4.8	1.0	-3.0	1.0
-5.9	7.6	-0.8	23.0	-4.1	0.6	-2.5	1.0
-5.9	2.2	-0.9	-45.5	NA	NA	NA	1.0
-4.7	3.8	-2.4	-78.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.1	2.0	0.2	92.4	NA	NA	NA	0.4
-4.9	4.0	0.2	-99.3	NA	NA	NA	1.4
-4.9	3.6	-1.2	-25.6	NA	NA	NA	1.0
-5.0	3.5	-1.4	77.2	-4.7	10.0	-56.5	2.0
-4.9	5.1	0.6	79.2	-4.7	10.0	-14.9	1.1
-4.5	7.4	-0.5	-52.5	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	0.7
-5.0	8.0	0.1	22.7	NA	NA	NA	0.5
-4.9	3.6	0.0	19.4	NA	NA	NA	0.4
NA	NA	1.2	NA	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	0.7
-4.7	7.4	-3.5	51.6	NA	NA	NA	1.5
-4.5	1.8	-1.5	71.2	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	0.8
-5.1	3.2	-0.9	40.6	NA	NA	NA	1.2
-4.9	2.6	-0.3	28.4	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.8
-4.9	3.4	0.4	-18.8	NA	NA	NA	1.0
-5.0	1.4	-0.3	36.8	NA	NA	NA	1.0
-4.9	3.7	-0.2	38.1	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.3	3.2	0.0	-98.9	NA	NA	NA	1.0
-4.1	8.0	-1.4	-34.6	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.3	-1.4	66.9	NA	NA	NA	1.4
-4.2	3.5	-1.5	-99.2	NA	NA	NA	1.3
-4.6	8.0	0.2	-75.2	NA	NA	NA	1.2
-4.7	5.9	-0.9	-23.7	NA	NA	NA	1.0
-4.2	3.8	-0.7	139.9	NA	NA	NA	1.0
-5.0	2.3	3.4	-90.6	NA	NA	NA	1.6
-4.4	8.0	0.9	-87.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	8.0	-0.1	96.3	NA	NA	NA	0.4
-4.5	4.5	-1.1	-95.8	NA	NA	NA	1.0
-4.4	8.0	0.3	-79.9	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	4.3	-0.8	178.4	NA	NA	NA	0.9
-4.4	1.6	3.5	-130.5	NA	NA	NA	1.4
-4.5	3.0	0.2	-82.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	2.8	-0.1	27.5	NA	NA	NA	0.3
-4.7	4.9	-3.7	-98.6	NA	NA	NA	2.0
-4.4	7.3	1.2	-80.9	NA	NA	NA	1.0
-4.4	8.0	0.0	-18.7	NA	NA	NA	1.0
-4.2	3.0	-0.9	146.8	NA	NA	NA	1.0
-4.5	7.3	0.0	-94.2	NA	NA	NA	1.4
-4.6	1.4	-0.8	-52.3	NA	NA	NA	1.0
-4.2	5.5	-1.6	-138.9	NA	NA	NA	1.9
-4.8	4.2	1.2	35.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.4	1.4	-2.5	-77.1	NA	NA	NA	1.0
-4.5	1.0	-0.3	-21.1	NA	NA	NA	1.0
-4.3	3.0	0.5	46.3	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.3	1.9	2.3	-96.9	NA	NA	NA	1.0
-4.3	1.4	0.2	-28.0	NA	NA	NA	1.0
-4.3	8.0	-0.4	44.8	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.6
-4.3	8.0	0.0	-31.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.6
-4.1	4.4	0.3	21.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.9
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.5	0.8	4.3	61.5	NA	NA	NA	1.6
-4.4	1.2	0.9	35.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.8
NA	NA	-1.6	NA	NA	NA	NA	0.9
-4.1	3.1	1.3	55.4	NA	NA	NA	1.0
-4.3	5.9	0.6	32.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.8	3.9	-3.1	-81.2	NA	NA	NA	1.4
-4.9	5.1	-3.6	59.4	-4.5	9.1	-36.3	1.7
-5.0	7.2	-2.1	46.6	NA	NA	NA	1.9
-4.4	1.6	-2.1	-125.1	NA	NA	NA	1.7
-4.5	3.0	-1.9	-64.1	NA	NA	NA	1.0
-4.3	2.9	-0.1	-193.0	NA	NA	NA	2.1
-4.5	4.7	1.5	41.3	-4.2	10.0	0.0	1.5
-4.2	2.3	-2.5	-100.6	NA	NA	NA	1.7
-4.3	1.8	1.4	-99.5	NA	NA	NA	1.3
-4.2	4.2	-1.1	-52.8	NA	NA	NA	1.0
-4.1	3.6	-1.6	99.8	NA	NA	NA	1.2
-4.4	8.0	-5.7	-73.8	NA	NA	NA	2.2
-4.4	7.5	1.0	-88.8	NA	NA	NA	1.3
-4.2	3.7	0.3	-14.4	NA	NA	NA	0.5
-4.2	6.4	-0.2	140.7	NA	NA	NA	0.4
-4.5	2.9	1.1	-108.6	NA	NA	NA	1.4
-4.5	2.8	-1.3	-92.6	NA	NA	NA	1.2
-4.2	3.0	-0.1	-29.9	NA	NA	NA	1.0
-4.2	3.4	0.4	175.7	NA	NA	NA	0.9
-4.6	3.9	-1.6	-101.4	NA	NA	NA	2.3
-4.5	7.5	0.2	-81.6	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.8	0.0	33.8	NA	NA	NA	0.3
-4.3	2.9	-1.8	-125.5	NA	NA	NA	1.7
-4.4	1.9	2.2	-86.0	NA	NA	NA	1.0
-4.5	1.9	1.1	-30.4	NA	NA	NA	1.0
-4.1	3.7	0.3	207.2	NA	NA	NA	1.0
-4.4	2.6	1.8	-90.2	NA	NA	NA	1.0
-5.7	2.2	3.3	-28.0	-4.6	10.0	6.8	1.5
-5.4	1.3	-4.9	137.6	-4.8	8.9	38.9	2.3
-5.7	2.7	-1.5	103.0	-4.7	8.2	16.7	1.4
NA	NA	1.9	NA	NA	NA	NA	1.3
NA	NA	0.9	NA	NA	NA	NA	1.5
-4.9	8.0	1.7	33.8	NA	NA	NA	1.5
-4.6	8.0	0.9	31.4	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	1.8
NA	NA	0.7	NA	NA	NA	NA	1.1
-4.9	2.9	0.6	42.8	-4.5	10.0	0.5	1.0
-5.1	4.0	0.2	23.2	-4.4	7.1	-8.5	1.0
NA	NA	0.8	NA	NA	NA	NA	1.6
NA	NA	-6.0	NA	NA	NA	NA	1.5
-6.0	8.0	1.7	23.3	NA	NA	NA	1.5
-6.0	8.0	4.2	20.4	NA	NA	NA	1.5
NA	NA	4.4	NA	NA	NA	NA	1.6
NA	NA	-1.0	NA	NA	NA	NA	1.3
-5.1	1.9	-3.2	73.1	-4.6	9.7	11.9	1.6

ga	gw	zr	tp	la	lw	bt	er
-5.2	3.3	-1.0	38.6	-4.4	1.6	-2.8	1.2
NA	NA	3.0	NA	NA	NA	NA	2.0
-6.5	7.5	-1.1	-7.1	NA	NA	NA	1.0
-6.5	8.0	-0.4	41.2	-5.7	4.3	0.5	1.0
-6.4	4.6	0.3	65.5	-5.9	2.5	0.9	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
-4.5	1.6	0.5	-92.0	NA	NA	NA	1.1
-4.6	2.7	-0.8	-19.6	NA	NA	NA	1.0
-4.4	3.9	-0.4	136.9	NA	NA	NA	1.0
-4.5	2.8	-1.7	-121.3	NA	NA	NA	1.2
-5.0	8.0	-0.5	-45.5	-4.1	1.6	-12.9	0.9
-5.2	5.6	1.7	34.4	NA	NA	NA	1.1
-5.0	3.8	1.2	110.5	-4.4	2.6	46.2	1.0
-5.0	8.0	2.9	-24.6	NA	NA	NA	1.4
-5.2	1.8	0.4	-64.6	NA	NA	NA	1.1
-4.5	1.8	0.0	-149.8	NA	NA	NA	2.2
-5.4	3.1	-0.5	50.8	-4.9	8.1	-2.4	1.0
-5.0	1.6	-4.0	-103.5	NA	NA	NA	1.5
-4.2	4.1	-0.7	-93.6	NA	NA	NA	1.0
-4.2	3.4	0.5	-28.6	NA	NA	NA	1.0
-4.2	7.5	2.1	91.0	NA	NA	NA	1.0
-4.2	5.3	-1.2	-130.3	NA	NA	NA	1.7
-4.7	4.4	1.4	-88.2	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.4	3.8	0.2	147.0	NA	NA	NA	0.4
-4.8	3.4	9.4	-100.6	NA	NA	NA	2.1
-4.8	3.6	-0.9	-59.1	-4.2	6.7	-25.2	0.6
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	3.0	0.4	47.9	-4.2	5.3	4.2	0.9
-4.8	8.0	4.3	-51.3	NA	NA	NA	2.0
-4.2	3.5	2.1	-106.1	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.5	-0.1	30.4	NA	NA	NA	0.3
-4.2	4.3	1.4	-132.3	NA	NA	NA	1.2
-4.8	3.6	-0.7	-83.5	NA	NA	NA	1.0
-4.9	4.8	0.8	-26.7	NA	NA	NA	1.0
-4.6	5.0	0.5	101.0	NA	NA	NA	1.0
-4.8	4.9	3.5	-100.4	NA	NA	NA	1.6
-6.0	2.0	-0.2	-13.1	NA	NA	NA	1.0
-4.9	0.8	-3.2	116.4	NA	NA	NA	1.5
-5.1	1.1	-0.8	102.7	-4.0	2.5	52.1	1.1
NA	NA	2.4	NA	NA	NA	NA	1.5
NA	NA	-0.6	NA	NA	NA	NA	0.4
-4.4	3.0	5.6	50.2	NA	NA	NA	1.7
NA	NA	6.3	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.3	5.0	0.5	46.1	NA	NA	NA	1.0
-4.5	6.3	-0.1	45.1	NA	NA	NA	0.9
NA	NA	-1.4	NA	NA	NA	NA	2.0
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.9	7.3	0.8	73.6	-4.7	10.0	45.2	1.4
-5.0	8.0	-1.6	24.8	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	1.2
NA	NA	-2.1	NA	NA	NA	NA	1.2
-4.5	3.6	-2.2	185.1	NA	NA	NA	1.0
-4.5	3.9	-1.1	171.9	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.6
-4.1	8.0	-5.6	64.0	NA	NA	NA	1.9
-5.8	1.3	0.6	118.0	NA	NA	NA	2.2
-6.0	1.6	0.1	89.5	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.1
-4.4	5.0	0.3	72.7	NA	NA	NA	1.0
-4.2	3.0	-0.9	793.2	NA	NA	NA	1.0
-4.2	2.3	-0.7	278.7	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.6
-4.5	8.0	-1.3	39.1	NA	NA	NA	1.0
-4.2	2.4	-0.6	509.4	NA	NA	NA	0.5
-4.4	4.0	0.1	166.3	NA	NA	NA	0.4
-4.5	3.2	-0.1	-64.9	NA	NA	NA	1.0
NA	NA	-3.8	NA	NA	NA	NA	0.9
-4.2	5.6	-0.8	147.9	NA	NA	NA	1.0
-4.3	5.3	1.3	89.0	NA	NA	NA	0.9
NA	NA	1.5	NA	NA	NA	NA	1.5
-4.2	6.6	-1.2	51.1	NA	NA	NA	1.5
-4.2	2.7	-0.2	174.8	NA	NA	NA	0.5
-4.3	3.0	0.0	59.9	NA	NA	NA	0.3
NA	NA	3.0	NA	NA	NA	NA	1.3
-4.1	8.0	-0.5	24.9	NA	NA	NA	1.0
-4.1	5.5	-0.6	257.9	NA	NA	NA	1.0
-4.1	4.7	0.4	136.3	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.3
NA	NA	-3.4	NA	NA	NA	NA	1.0
-4.4	2.7	2.8	314.5	NA	NA	NA	1.2
-4.5	2.8	5.9	210.5	NA	NA	NA	1.4
-4.6	3.1	0.0	-27.1	NA	NA	NA	1.4
-6.2	7.7	-1.0	-17.1	-4.4	4.0	-2.6	0.7
-5.3	0.8	-4.3	179.6	-4.3	10.0	41.2	2.1
-5.8	1.4	-0.7	98.0	-4.3	10.0	30.0	1.5
NA	NA	0.3	NA	NA	NA	NA	1.5
-4.2	4.0	1.0	100.6	NA	NA	NA	1.1
-4.4	2.9	-0.4	1081.4	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.5	3.0	0.1	227.9	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	2.0
-4.3	2.5	-1.7	50.0	NA	NA	NA	1.0
-4.3	2.8	-0.4	459.9	NA	NA	NA	0.5
-4.3	2.8	-0.1	215.2	NA	NA	NA	0.4
-4.5	3.5	-0.5	-51.9	NA	NA	NA	1.0
-4.4	3.8	0.7	33.8	NA	NA	NA	1.0
-4.3	2.2	0.0	235.3	NA	NA	NA	0.5
-4.4	2.1	-0.1	85.8	NA	NA	NA	0.3
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.1	6.9	-0.4	28.8	NA	NA	NA	1.0
-4.2	3.2	0.4	417.2	NA	NA	NA	1.0
-4.1	3.1	1.2	233.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	1.5
-5.8	2.2	2.1	33.2	NA	NA	NA	2.0
-5.7	3.4	1.9	26.7	NA	NA	NA	1.3
-5.3	4.8	1.5	-41.3	-4.6	9.5	-2.6	1.5
-4.7	4.4	3.8	-42.2	NA	NA	NA	1.9
-4.6	8.0	1.3	20.7	NA	NA	NA	0.6
-4.7	3.9	-0.8	66.7	NA	NA	NA	1.1
-4.7	8.0	2.7	-83.6	NA	NA	NA	2.2
-5.4	8.0	0.4	-32.1	NA	NA	NA	0.9
-5.6	5.7	-0.1	83.5	-5.3	8.9	8.1	1.0
-5.7	5.6	-0.3	55.3	-5.3	10.0	24.1	0.9
-5.4	8.0	-2.5	-72.8	NA	NA	NA	1.3
-5.1	3.4	0.3	-58.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.8	8.0	0.1	14.1	NA	NA	NA	0.3
-4.8	8.0	-1.0	-69.7	NA	NA	NA	1.9
-4.6	4.4	-1.8	-64.7	NA	NA	NA	1.0
-5.2	8.0	0.4	25.4	-4.9	7.9	-32.4	1.1
-5.2	8.0	1.3	25.5	NA	NA	NA	1.2
-4.5	8.0	-1.8	-87.3	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.2
-5.6	3.7	3.9	34.2	NA	NA	NA	1.8
-4.8	8.0	6.2	-55.3	NA	NA	NA	1.8
-5.3	2.8	-0.6	-50.2	NA	NA	NA	1.8
-4.9	2.2	-2.4	-62.4	NA	NA	NA	1.4
-5.3	4.7	-0.7	32.9	-5.0	7.7	10.0	1.0
-4.7	1.2	0.0	85.8	NA	NA	NA	0.9
-5.4	8.0	-2.3	-43.6	NA	NA	NA	2.3
-4.7	8.0	-0.4	-80.9	NA	NA	NA	1.0
-4.6	8.0	0.4	-29.2	NA	NA	NA	1.1
-4.6	3.9	0.4	60.6	NA	NA	NA	1.0
-4.7	8.0	-0.9	-93.4	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.2	3.5	0.8	-76.4	NA	NA	NA	1.0
-5.2	2.4	0.9	90.6	-4.4	3.0	-125.0	1.9
-5.2	4.6	0.9	43.5	-4.7	10.0	2.2	1.1
-4.8	4.3	1.0	-98.9	NA	NA	NA	1.4
-4.2	8.0	1.6	-86.5	NA	NA	NA	1.2
-4.2	8.0	1.0	-16.6	NA	NA	NA	1.0
-4.2	8.0	-0.7	104.1	NA	NA	NA	1.0
-4.3	3.0	-0.5	-118.7	NA	NA	NA	1.5
-4.6	8.0	-0.5	-80.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	8.0	0.1	126.3	NA	NA	NA	0.4
-4.7	8.0	2.5	-111.7	-4.1	0.9	-88.1	0.5
-4.2	3.2	-0.6	-103.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.0	0.3	190.7	NA	NA	NA	0.9
-4.5	8.0	2.4	-102.5	NA	NA	NA	1.4
-4.2	6.2	1.5	-101.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	6.1	-0.1	38.6	NA	NA	NA	0.3
-4.2	4.2	1.4	-130.6	NA	NA	NA	1.0
-4.2	6.6	-1.0	-91.5	NA	NA	NA	1.0
-4.1	3.9	-0.7	-28.3	NA	NA	NA	1.0
-4.1	7.3	0.1	194.0	NA	NA	NA	1.0
-4.1	4.1	-2.7	-129.9	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	1.2
-5.1	2.6	-1.7	60.9	-4.6	10.0	-76.6	2.6
NA	NA	2.8	NA	NA	NA	NA	1.2
-4.4	6.5	-0.9	-123.3	NA	NA	NA	1.7
-4.4	8.0	-0.8	-68.4	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	5.9	0.5	45.5	NA	NA	NA	0.9
-4.4	4.8	4.0	-130.8	NA	NA	NA	1.9
-4.4	8.0	1.0	-93.6	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.3
-4.4	7.6	-0.6	92.1	NA	NA	NA	1.0
-4.5	2.9	-0.1	-122.9	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	1.3
-4.2	8.0	0.1	43.5	NA	NA	NA	0.5
-4.2	3.9	0.3	42.1	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.3
NA	NA	-1.7	NA	NA	NA	NA	1.2
-4.2	8.0	0.1	68.9	NA	NA	NA	1.0
-4.2	4.6	0.6	65.3	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.9
NA	NA	2.5	NA	NA	NA	NA	1.0
-5.4	1.5	0.9	111.2	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-5.4	1.5	1.5	85.9	-3.8	0.4	17.3	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.4	3.7	-2.2	175.0	NA	NA	NA	2.2
-4.4	1.3	9.5	1800.0	NA	NA	NA	3.8
-5.8	0.8	-1.5	148.2	NA	NA	NA	2.1
NA	NA	-2.0	NA	NA	NA	NA	1.5
-4.2	3.5	3.1	77.4	NA	NA	NA	1.5
-5.3	0.9	-1.8	715.1	NA	NA	NA	2.4
-5.4	1.0	-1.4	381.3	NA	NA	NA	1.8
NA	NA	2.1	NA	NA	NA	NA	2.0
-4.8	2.0	0.4	37.1	NA	NA	NA	1.0
-4.8	2.7	0.3	267.7	NA	NA	NA	0.5
-5.0	2.9	0.0	115.5	NA	NA	NA	0.4
NA	NA	-2.2	NA	NA	NA	NA	1.2
-6.3	0.4	-1.2	13.2	NA	NA	NA	1.3
-5.8	1.8	4.1	288.8	NA	NA	NA	3.2
-5.4	1.2	0.3	317.7	NA	NA	NA	2.2
NA	NA	-0.1	NA	NA	NA	NA	2.6
-4.4	1.7	1.3	32.7	NA	NA	NA	1.0
-5.7	1.3	-0.4	140.4	NA	NA	NA	1.1
-4.9	0.7	-0.8	89.4	NA	NA	NA	0.3
NA	NA	-0.1	NA	NA	NA	NA	1.3
-4.8	1.8	0.7	41.7	NA	NA	NA	1.1
-5.1	2.4	-0.5	495.7	NA	NA	NA	2.1
-5.1	2.1	-0.7	256.4	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	2.0
NA	NA	0.7	NA	NA	NA	NA	1.1
-5.8	8.0	-0.2	37.9	NA	NA	NA	1.5
-5.8	3.8	-2.1	21.6	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.3	3.9	-1.6	-46.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.3	2.6	-0.7	24.2	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.4
-4.4	5.9	-0.7	-26.1	NA	NA	NA	1.0
-4.2	4.0	2.2	37.4	NA	NA	NA	1.2
-4.2	4.1	1.5	53.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
NA	NA	-2.1	NA	NA	NA	NA	1.2
-4.5	1.3	1.8	99.4	NA	NA	NA	1.9
-4.7	1.4	0.9	70.2	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	1.6
-6.4	8.0	2.4	38.0	-5.8	1.4	9.8	1.6
-6.4	8.0	0.1	18.8	-5.3	9.5	6.6	1.3
-6.9	3.4	1.4	-20.9	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
NA	NA	4.7	NA	NA	NA	NA	2.3
-7.3	7.9	0.4	71.9	-6.6	4.0	-36.7	3.1
-6.4	4.0	0.9	-20.1	NA	NA	NA	2.8
-8.0	2.8	2.2	-63.6	NA	NA	NA	1.0
-7.5	8.0	-0.7	-26.0	NA	NA	NA	1.1
-8.0	8.0	0.6	18.6	-7.2	1.0	-21.1	1.0
-7.9	2.0	1.6	20.2	-7.4	0.6	-4.0	1.0
-6.8	0.4	14.1	-53.5	NA	NA	NA	1.9
NA	NA	2.3	NA	NA	NA	NA	1.7
-7.0	5.8	1.4	41.2	-6.6	3.9	-6.5	1.0
-6.4	2.1	0.1	-7.8	NA	NA	NA	1.0
-7.0	3.3	1.3	-60.4	NA	NA	NA	1.1
-5.9	0.4	-1.9	49.8	-4.1	10.0	6.1	2.2
-7.2	4.8	-5.2	63.8	-6.4	2.0	-74.6	3.0
-6.1	1.7	-3.9	-59.0	-4.2	9.9	-14.6	2.5
-7.9	1.6	0.2	-65.4	-4.3	10.0	-15.6	1.3
-6.5	8.0	3.8	-5.0	NA	NA	NA	1.0
-7.9	3.8	2.9	45.5	-7.0	1.1	-4.8	1.0
-7.9	4.9	-0.2	20.9	-7.2	1.5	-0.7	1.0
-7.6	2.9	-1.6	-51.1	NA	NA	NA	1.7
NA	NA	-2.5	NA	NA	NA	NA	1.6
-6.4	2.2	-0.9	41.1	-5.8	5.5	-31.9	1.4
-6.4	2.7	-0.4	35.0	-5.8	10.0	-19.3	1.3
NA	NA	-0.7	NA	NA	NA	NA	1.4
-4.6	8.0	-0.4	-57.5	NA	NA	NA	1.2
-6.3	2.9	-0.2	34.0	-5.4	7.3	-109.5	2.4
-6.2	3.7	1.0	42.4	-5.5	8.1	-39.8	2.1
-4.9	1.0	0.4	-117.6	NA	NA	NA	1.7
-5.0	0.7	-0.4	-65.8	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.5
-4.9	0.6	-0.2	16.9	NA	NA	NA	0.4
-6.4	1.1	-0.6	-51.1	-5.5	9.9	-19.4	1.9
-6.1	1.4	-2.3	-48.5	-5.2	10.0	-16.3	1.1
-6.1	0.8	-3.9	197.5	-5.2	4.8	-9.1	1.6
-6.1	0.8	-1.5	234.4	-5.1	10.0	13.2	1.8
NA	NA	-3.1	NA	NA	NA	NA	2.0
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.3	1.5	-0.4	124.1	NA	NA	NA	1.7
-4.6	1.9	0.7	50.1	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.9
-4.1	6.3	1.0	-43.1	NA	NA	NA	1.0
-4.6	2.3	0.8	27.1	-4.0	9.9	-8.5	1.0
-4.5	1.9	0.0	17.4	NA	NA	NA	1.0
NA	NA	-4.4	NA	NA	NA	NA	2.1
-4.6	3.0	2.6	-21.5	NA	NA	NA	1.0
-5.3	4.5	-0.2	14.8	-4.5	4.1	-24.8	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.5	NA	NA	NA	NA	0.9
-4.7	4.5	1.9	48.3	NA	NA	NA	1.5
NA	NA	1.1	NA	NA	NA	NA	0.6
-4.3	1.5	2.9	30.6	NA	NA	NA	1.3
-4.2	4.0	0.5	91.1	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.4
NA	NA	1.1	NA	NA	NA	NA	1.0
-4.4	1.4	-5.4	58.4	-4.2	9.9	6.4	2.0
-4.9	3.8	-3.3	18.3	-4.2	10.0	-3.0	1.0
NA	NA	0.5	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.7	1.3	-2.6	69.3	NA	NA	NA	1.7
-4.9	4.5	0.2	30.5	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	2.1
-4.5	1.3	-1.2	22.7	NA	NA	NA	1.5
-4.3	2.6	0.6	108.2	NA	NA	NA	1.0
-4.2	8.0	1.1	46.0	NA	NA	NA	1.0
NA	NA	4.7	NA	NA	NA	NA	2.3
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.4	1.7	-0.3	44.3	NA	NA	NA	1.0
-4.4	1.5	0.0	27.2	NA	NA	NA	0.9
NA	NA	0.7	NA	NA	NA	NA	2.1
NA	NA	1.0	NA	NA	NA	NA	0.9
-4.5	3.0	-0.2	55.4	NA	NA	NA	1.5
-4.2	3.0	0.0	66.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.3	2.3	-0.1	-107.7	NA	NA	NA	1.0
-4.8	8.0	0.9	34.7	-4.4	10.0	-12.6	1.3
-4.7	3.5	0.4	62.1	NA	NA	NA	1.1
-4.4	3.9	1.5	-68.1	NA	NA	NA	1.0
-4.4	7.2	0.1	-46.1	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.2	8.0	-0.2	27.3	NA	NA	NA	0.5
-4.4	8.0	-0.6	-81.6	NA	NA	NA	2.1
-5.0	7.4	0.6	-13.1	NA	NA	NA	1.0
-4.7	1.7	-0.6	109.9	NA	NA	NA	1.5
-4.8	3.1	0.1	77.3	NA	NA	NA	1.0
-4.5	2.9	1.8	70.9	NA	NA	NA	1.1
NA	NA	-3.3	NA	NA	NA	NA	0.9
-5.1	1.5	-3.5	26.8	NA	NA	NA	1.7
-4.8	1.6	0.0	49.2	NA	NA	NA	1.0
NA	NA	4.0	NA	NA	NA	NA	1.6
-5.4	1.2	0.2	-23.3	NA	NA	NA	1.0
-4.7	0.7	1.9	141.4	NA	NA	NA	1.9
-4.9	1.0	0.8	124.2	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-8.0	3.7	-0.9	-8.3	NA	NA	NA	1.1
-4.7	4.5	-1.0	39.7	NA	NA	NA	1.0
-4.5	1.9	2.0	50.1	NA	NA	NA	1.0
-4.6	1.6	-2.4	-65.0	NA	NA	NA	1.5
-4.3	1.4	-0.5	-20.6	NA	NA	NA	1.0
-4.9	1.7	-0.9	30.2	NA	NA	NA	1.2
-4.9	1.9	0.7	27.2	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.9
-4.6	3.2	2.9	-28.1	NA	NA	NA	1.0
-4.7	1.7	-1.0	75.8	NA	NA	NA	1.0
-4.4	2.1	-1.1	109.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.8
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.7	6.1	0.0	64.7	NA	NA	NA	1.7
-4.7	6.3	-0.8	55.2	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.6
NA	NA	0.9	NA	NA	NA	NA	0.7
-4.6	2.4	2.0	32.9	NA	NA	NA	1.0
-4.5	2.9	0.8	31.6	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.3
NA	NA	1.2	NA	NA	NA	NA	1.2
-4.2	1.4	-1.1	77.1	NA	NA	NA	2.6
-4.2	1.9	-2.7	39.0	NA	NA	NA	2.5
NA	NA	-0.6	NA	NA	NA	NA	1.4
-5.6	6.2	2.4	-77.9	NA	NA	NA	1.2
-5.6	8.0	0.8	-34.7	NA	NA	NA	1.2
-4.7	4.6	-0.5	71.1	NA	NA	NA	1.1
-5.7	5.5	0.9	-99.5	NA	NA	NA	1.2
-6.5	2.0	10.5	-60.4	NA	NA	NA	1.6
-6.8	3.9	-2.3	154.8	-6.0	2.0	-180.4	3.3
-6.7	8.0	-5.8	121.4	-6.0	2.3	-17.1	2.3
-6.4	1.5	1.3	-102.3	NA	NA	NA	1.1
-6.8	0.8	0.5	21.0	-4.9	2.3	-74.8	0.9
-6.1	5.1	1.6	-13.4	NA	NA	NA	1.0
-6.2	8.0	-1.6	-16.9	-4.6	2.8	130.8	0.8
-6.2	3.2	0.0	-82.4	NA	NA	NA	1.8
-6.0	7.6	2.2	-84.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.9	2.5	-0.7	78.8	NA	NA	NA	1.1
-6.0	8.0	2.8	-95.6	NA	NA	NA	1.6
-5.1	1.1	2.0	-98.1	NA	NA	NA	1.5
-6.5	8.0	0.2	64.9	-5.5	4.5	0.4	1.0
-4.6	3.6	1.6	218.5	NA	NA	NA	2.2
-5.9	0.8	-2.7	-92.6	NA	NA	NA	1.7
-6.3	7.4	2.9	-72.2	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.6

ga	gw	zr	tp	la	lw	bt	er
-5.1	0.7	-0.8	39.3	NA	NA	NA	0.4
-6.5	4.7	7.7	-95.2	NA	NA	NA	2.1
-5.9	1.3	1.6	-80.6	NA	NA	NA	1.2
-6.1	2.8	0.3	-17.0	-4.0	1.2	-4.7	0.5
-4.7	0.9	-1.2	182.4	NA	NA	NA	1.1
-6.1	2.6	1.5	-103.4	NA	NA	NA	1.0
-4.8	8.0	0.4	-31.3	-4.3	10.0	-2.1	0.5
-4.7	3.0	1.1	44.3	-4.2	3.4	1.3	1.4
-4.6	3.6	0.5	71.3	-4.3	10.0	11.4	1.1
NA	NA	-1.0	NA	NA	NA	NA	1.4
-6.1	2.3	0.0	-25.4	-5.1	10.0	2.3	0.8
-5.8	1.4	-5.2	120.8	-5.0	9.6	92.8	1.8
-5.8	1.9	-1.7	107.3	-5.1	10.0	40.2	1.0
NA	NA	3.2	NA	NA	NA	NA	1.4
-4.4	1.7	0.5	-104.2	NA	NA	NA	1.0
-5.3	6.8	-1.8	58.3	-4.8	7.7	-28.9	1.1
-4.4	1.1	-1.9	60.8	NA	NA	NA	1.0
-4.5	7.3	0.3	-95.7	NA	NA	NA	1.0
-4.3	8.0	-0.1	20.7	NA	NA	NA	0.7
-4.9	4.8	-3.5	63.1	-4.3	7.0	-82.5	2.1
-4.8	6.7	-0.7	39.1	-4.3	3.5	-53.0	1.0
-4.9	2.9	0.4	-47.4	NA	NA	NA	1.0
-4.7	7.6	-1.3	45.8	-4.4	10.0	-15.9	1.4
-6.1	8.0	0.8	9.7	-5.2	9.5	0.1	1.0
-4.2	8.0	1.2	49.1	NA	NA	NA	1.5
-4.7	2.6	0.2	-70.5	NA	NA	NA	1.6
-4.8	6.9	-0.6	-90.8	-4.1	0.5	-64.4	0.6
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	2.7	0.0	96.5	NA	NA	NA	0.4
-5.1	2.1	1.4	-101.5	NA	NA	NA	1.1
-4.6	2.1	-0.4	-49.3	NA	NA	NA	1.0
-4.3	2.8	0.7	46.5	NA	NA	NA	1.0
-4.3	2.4	0.8	119.3	NA	NA	NA	0.9
-5.2	8.0	1.5	-64.8	-4.6	7.4	-1.3	1.6
-4.2	4.4	1.8	-96.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	5.6	-0.2	34.8	NA	NA	NA	0.3
-4.2	8.0	3.8	-136.1	NA	NA	NA	1.5
-5.1	1.5	-1.0	-33.4	NA	NA	NA	1.0
-5.0	1.5	-0.2	44.8	-4.5	10.0	22.0	1.0
-5.3	2.1	0.1	43.2	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.9
-4.5	1.0	-1.2	-26.3	NA	NA	NA	1.0
-5.1	2.1	1.5	27.9	NA	NA	NA	1.0
-5.0	1.9	1.9	31.2	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.6	8.0	0.5	63.9	-4.3	4.6	9.0	1.9
-4.4	8.0	0.9	26.3	-4.0	5.0	0.3	0.8
NA	NA	-2.1	NA	NA	NA	NA	1.5
NA	NA	-1.1	NA	NA	NA	NA	0.9
-4.5	2.4	-3.5	137.4	NA	NA	NA	2.0
-4.7	2.6	3.1	105.8	-4.0	0.5	54.1	1.0
NA	NA	2.1	NA	NA	NA	NA	1.5
-4.7	8.0	-0.1	-16.7	NA	NA	NA	1.0
-4.3	8.0	-1.5	120.9	NA	NA	NA	1.5
-4.3	2.0	-1.7	106.2	NA	NA	NA	1.3
NA	NA	3.2	NA	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	0.9
-4.6	1.4	4.7	60.7	NA	NA	NA	1.3
-4.7	1.5	1.6	42.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.4
-5.0	2.2	0.4	-16.9	NA	NA	NA	1.0
-4.7	1.8	-0.9	150.6	NA	NA	NA	1.0
-4.8	2.4	-0.2	115.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.5
-5.4	1.0	0.1	-17.7	NA	NA	NA	1.0
-5.7	2.8	-0.6	56.8	NA	NA	NA	1.0
-5.7	2.1	-0.5	50.7	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.7
-6.6	1.2	-0.2	-24.1	-4.4	8.8	-9.2	1.2
-6.0	0.7	-5.0	125.9	-4.5	2.3	41.1	2.3
-6.3	1.0	-1.3	101.0	-4.4	2.5	67.6	1.4
NA	NA	2.6	NA	NA	NA	NA	1.6
-4.5	6.1	0.3	-22.3	NA	NA	NA	1.0
-4.7	1.7	0.4	128.9	-4.2	10.0	23.7	1.0
-4.5	1.6	-0.1	108.3	-4.2	10.0	24.5	1.0
-4.6	8.0	3.2	-23.7	NA	NA	NA	1.7
NA	NA	-2.8	NA	NA	NA	NA	1.5
-5.0	0.4	-8.1	41.0	NA	NA	NA	1.8
-4.6	0.7	-0.4	65.7	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	1.4
-5.1	1.1	1.1	-20.7	NA	NA	NA	1.2
-4.8	0.4	-4.3	74.1	NA	NA	NA	1.8
-4.6	0.6	-3.2	81.3	NA	NA	NA	1.1
NA	NA	-1.5	NA	NA	NA	NA	1.2
-4.8	2.6	0.6	-27.7	NA	NA	NA	1.0
-4.9	2.7	0.2	92.8	NA	NA	NA	1.0
-4.7	2.0	0.4	114.7	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	0.9
-4.6	7.3	1.0	-11.0	NA	NA	NA	1.0
-4.6	1.3	0.4	63.3	NA	NA	NA	1.8



ga	gw	zr	tp	la	lw	bt	er
-4.4	1.3	0.1	51.3	NA	NA	NA	1.0
NA	NA	5.5	NA	NA	NA	NA	1.4
-4.9	8.0	-1.1	-13.2	NA	NA	NA	1.4
-4.5	1.1	-1.5	148.0	NA	NA	NA	1.7
-4.6	1.5	0.4	123.9	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.8	8.0	-0.6	-75.4	NA	NA	NA	1.0
-5.0	4.2	-0.9	59.9	-4.7	9.8	-28.9	1.0
-4.9	4.7	-0.1	78.5	-4.7	10.0	37.9	1.0
-4.7	8.0	-0.6	-101.1	NA	NA	NA	1.0
-5.3	1.2	0.4	-88.1	NA	NA	NA	1.4
-5.1	8.0	-0.2	-11.5	NA	NA	NA	1.0
-4.5	1.4	-0.3	269.5	NA	NA	NA	1.0
-5.8	2.4	-1.5	-94.4	NA	NA	NA	1.4
-4.4	1.7	0.3	-62.6	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.0
-4.4	1.0	1.6	31.4	NA	NA	NA	1.1
NA	NA	0.9	NA	NA	NA	NA	0.9
-4.7	1.7	1.9	-34.1	NA	NA	NA	1.4
-5.0	1.3	6.9	86.7	-4.4	10.0	10.8	2.1
-4.7	1.3	2.5	81.9	NA	NA	NA	1.4
NA	NA	-2.0	NA	NA	NA	NA	1.6
-4.1	7.3	-3.2	-56.2	NA	NA	NA	1.4
-6.0	8.0	-0.6	51.9	-4.6	1.4	-104.2	1.9
-5.9	6.7	1.3	61.1	-5.0	4.1	-27.9	1.0
-4.3	1.3	0.3	-134.4	NA	NA	NA	1.1
-5.4	7.9	-0.6	48.6	-4.4	3.7	1.5	1.4
-5.3	8.0	-1.4	8.8	-4.4	3.7	-35.8	1.0
-5.7	2.1	-0.3	-12.7	NA	NA	NA	1.0
-5.3	4.6	-3.7	-77.7	NA	NA	NA	1.9
-4.5	8.0	-4.1	-77.0	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.0
-4.2	3.1	0.5	37.0	NA	NA	NA	0.4
-4.5	7.0	-0.5	-87.9	NA	NA	NA	1.0
-4.2	8.0	-2.4	-69.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	7.5	0.4	66.7	NA	NA	NA	0.5
-4.9	1.2	-1.9	-80.8	NA	NA	NA	1.5
-4.4	0.8	1.1	-102.7	NA	NA	NA	1.1
-4.1	8.0	0.6	-38.5	NA	NA	NA	1.0
-4.0	0.7	-0.8	102.2	NA	NA	NA	1.0
-4.1	8.0	-0.4	-122.2	NA	NA	NA	2.3
-4.8	0.9	1.3	-59.6	NA	NA	NA	1.0
-5.9	2.9	3.1	57.0	-4.4	1.5	-200.0	1.9
-5.6	1.2	-0.2	69.7	-4.6	2.2	-22.4	1.3
-4.7	2.9	0.0	-103.4	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.3	1.9	-57.0	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	0.7
-4.6	1.1	-0.6	20.0	NA	NA	NA	1.0
-7.2	0.7	4.8	-19.2	NA	NA	NA	1.9
-5.6	1.0	0.3	-13.7	NA	NA	NA	0.8
-4.6	1.3	-0.9	47.7	NA	NA	NA	1.7
-5.4	1.8	0.0	21.0	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.6
-4.5	4.4	3.7	-72.0	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.3	4.8	-1.7	52.2	NA	NA	NA	1.0
-4.6	8.0	-1.4	-93.5	NA	NA	NA	1.0
-4.6	3.9	0.0	-11.9	NA	NA	NA	0.6
-4.6	1.3	-0.2	111.5	NA	NA	NA	1.6
-4.6	1.3	0.6	83.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.5	1.3	0.4	-59.7	NA	NA	NA	1.3
NA	NA	-2.5	NA	NA	NA	NA	1.5
-5.2	8.0	-1.3	17.1	-4.8	10.0	-1.6	1.0
-4.5	3.0	-1.6	-71.1	NA	NA	NA	1.3
-5.1	8.0	-1.3	17.7	NA	NA	NA	1.2
NA	NA	-1.4	NA	NA	NA	NA	0.8
-4.2	8.0	-0.2	26.4	NA	NA	NA	0.6
-4.8	2.5	0.8	-52.8	NA	NA	NA	1.7
-4.6	4.6	-1.0	-71.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	4.5	0.1	61.3	NA	NA	NA	0.4
-4.6	8.0	0.7	-96.3	NA	NA	NA	1.2
-4.5	1.6	-1.0	-72.7	NA	NA	NA	1.0
-4.9	8.0	-0.2	14.2	NA	NA	NA	1.0
-4.5	2.1	0.2	115.5	NA	NA	NA	0.9
-5.1	8.0	-12.5	-52.8	NA	NA	NA	2.0
-5.4	4.2	2.1	-67.3	-4.1	1.7	-17.7	0.7
-5.4	2.4	0.9	-14.5	-4.4	9.6	1.0	0.5
-5.3	5.6	0.6	68.9	-4.2	0.9	26.2	0.5
-5.4	5.6	2.7	-93.0	NA	NA	NA	1.4
-4.4	8.0	1.8	64.0	NA	NA	NA	1.0
-4.9	1.7	-0.3	175.6	-4.5	10.0	-46.6	1.9
-4.9	2.8	-0.7	125.7	-4.5	10.0	-9.4	1.0
NA	NA	3.6	NA	NA	NA	NA	1.6
-4.8	7.6	-0.4	-34.4	-4.3	8.9	-0.3	0.7
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.8	8.0	-0.8	19.6	-4.3	2.1	-9.7	1.0
-4.9	8.0	0.6	-50.7	NA	NA	NA	1.6
-4.5	4.5	-0.1	-13.6	NA	NA	NA	0.5
-4.3	3.4	-3.8	71.7	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.2	2.0	-2.0	74.9	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.7
-4.8	2.4	-2.2	-25.2	NA	NA	NA	1.0
-5.4	8.0	-3.6	10.3	NA	NA	NA	2.3
-5.0	2.2	1.8	40.7	NA	NA	NA	1.4
NA	NA	-14.8	NA	NA	NA	NA	2.2
-4.3	2.7	-0.5	-30.4	NA	NA	NA	1.0
-4.8	7.6	0.4	13.1	NA	NA	NA	0.5
-4.6	3.5	0.3	22.6	NA	NA	NA	0.4
NA	NA	-0.6	NA	NA	NA	NA	1.4
-5.0	1.9	-1.3	-26.9	NA	NA	NA	1.0
-5.2	5.4	-2.8	96.9	-4.9	6.4	36.4	1.9
-5.1	4.2	0.9	86.8	-4.6	1.6	31.9	1.0
NA	NA	-2.5	NA	NA	NA	NA	2.0
-4.6	5.6	-0.3	-25.7	NA	NA	NA	1.0
-4.7	8.0	6.7	60.7	NA	NA	NA	2.0
-4.6	5.7	3.9	91.2	NA	NA	NA	1.6
NA	NA	3.5	NA	NA	NA	NA	1.3
-4.5	0.5	2.0	-17.0	NA	NA	NA	1.1
-5.5	4.9	0.8	71.7	-5.2	8.0	35.8	1.0
-5.7	4.4	-0.4	34.7	NA	NA	NA	0.9
NA	NA	-0.5	NA	NA	NA	NA	1.9
-4.7	4.0	0.4	-29.9	NA	NA	NA	1.0
-4.4	3.1	-0.6	41.5	NA	NA	NA	1.3
-4.7	5.1	-0.5	15.1	NA	NA	NA	1.1
NA	NA	1.9	NA	NA	NA	NA	1.3
NA	NA	2.2	NA	NA	NA	NA	1.1
-4.3	2.0	-0.4	64.5	NA	NA	NA	1.3
-4.2	2.2	-1.3	53.3	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.0
-5.8	7.9	-0.7	-9.8	NA	NA	NA	1.0
-5.9	7.9	0.0	49.4	-5.4	2.3	24.9	1.0
-5.8	4.6	0.3	44.3	-5.3	1.7	23.7	0.9
NA	NA	0.0	NA	NA	NA	NA	2.3
-4.3	2.0	-0.3	-64.2	NA	NA	NA	1.3
-4.6	5.3	0.0	38.6	-4.4	10.0	-11.5	1.3
-4.6	4.3	0.0	35.9	-4.2	10.0	-5.9	1.0
-4.2	3.5	-0.5	-96.0	NA	NA	NA	1.2
-4.3	8.0	-0.7	-57.9	NA	NA	NA	1.0
-4.4	8.0	-0.5	-11.5	NA	NA	NA	1.0
-4.2	6.0	-0.3	38.7	NA	NA	NA	1.0
-4.1	8.0	0.6	-94.0	NA	NA	NA	2.1
-4.3	1.8	-2.0	-34.6	NA	NA	NA	1.2
-5.8	5.0	2.7	47.1	-5.1	2.4	-39.0	2.1
-5.7	2.7	3.5	38.4	-5.2	4.4	-19.4	2.1
-5.1	7.2	-1.4	-87.6	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-6.3	0.9	0.5	-20.5	NA	NA	NA	1.6
-6.5	1.3	-1.7	54.8	-4.8	5.7	-143.6	2.5
-6.8	8.0	0.0	26.3	-4.5	1.5	-41.5	2.4
-5.2	8.0	0.6	-102.7	NA	NA	NA	1.9
-7.0	1.2	1.9	10.2	NA	NA	NA	1.5
-7.1	1.8	-0.2	14.8	-4.7	0.6	-18.6	1.0
-5.0	8.0	-0.2	-8.5	NA	NA	NA	1.0
-4.6	3.7	-1.1	-100.2	NA	NA	NA	2.1
-4.8	8.0	0.7	-78.0	NA	NA	NA	0.5
-4.7	8.0	0.0	-6.2	NA	NA	NA	0.5
-4.6	8.0	-0.2	50.0	NA	NA	NA	0.4
-4.7	8.0	0.3	-99.4	NA	NA	NA	1.4
-4.3	8.0	0.2	-75.9	NA	NA	NA	1.2
-4.1	3.9	-0.1	-34.6	NA	NA	NA	1.0
-4.1	6.2	-0.2	76.2	NA	NA	NA	1.0
-4.1	8.0	2.4	-119.2	NA	NA	NA	2.0
NA	NA	-0.7	NA	NA	NA	NA	1.2
-4.4	2.9	0.3	41.8	NA	NA	NA	1.9
-4.3	1.5	0.2	47.1	NA	NA	NA	1.2
NA	NA	0.9	NA	NA	NA	NA	1.5
-4.2	1.1	-0.1	-25.1	NA	NA	NA	0.9
-4.3	1.3	0.6	48.0	NA	NA	NA	1.9
-4.3	1.5	1.0	69.0	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	1.8
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.4	3.4	-1.1	39.7	NA	NA	NA	1.7
-4.2	1.5	-0.6	58.6	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.5
-4.4	7.3	-0.1	-16.6	NA	NA	NA	0.5
-4.4	2.5	-3.1	70.8	NA	NA	NA	1.7
-4.2	2.1	-1.4	87.0	NA	NA	NA	1.0
NA	NA	-4.3	NA	NA	NA	NA	1.6
NA	NA	-2.0	NA	NA	NA	NA	0.7
-4.9	1.8	0.7	31.2	NA	NA	NA	1.5
-4.7	2.1	1.1	37.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.8
-4.4	4.0	-1.8	-42.7	NA	NA	NA	1.4
-4.2	8.0	-1.7	37.2	NA	NA	NA	2.0
-4.2	7.9	-0.5	61.5	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.4
-4.1	8.0	-1.1	32.0	NA	NA	NA	1.0
-5.2	7.9	-1.6	23.9	-4.2	10.0	-92.2	1.9
-5.1	3.6	-0.5	15.5	-4.3	10.0	-64.7	1.4
NA	NA	-2.2	NA	NA	NA	NA	1.9
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.6	8.0	0.9	34.1	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.9	-0.6	25.9	NA	NA	NA	1.0
NA	NA	3.7	NA	NA	NA	NA	1.7
-4.6	3.0	-0.8	-63.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	3.8	0.1	24.1	NA	NA	NA	0.4
-4.5	8.0	0.0	-83.2	NA	NA	NA	1.2
-4.5	2.2	-0.9	-57.2	NA	NA	NA	1.2
-4.9	8.0	-0.9	37.9	-4.6	10.0	-0.7	1.0
-4.9	2.0	0.6	55.1	NA	NA	NA	1.0
-5.2	1.2	0.5	-71.8	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.5	0.8	-0.7	103.0	NA	NA	NA	1.8
-4.5	2.2	1.2	67.4	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.8
-4.4	8.0	-0.9	-62.4	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	0.4
-4.4	7.7	0.5	60.7	NA	NA	NA	1.0
-4.4	8.0	-1.0	-91.9	NA	NA	NA	1.4
-5.5	5.2	-2.2	-14.5	NA	NA	NA	1.0
-4.0	1.3	-1.1	160.7	NA	NA	NA	1.9
-4.0	1.0	1.1	144.6	NA	NA	NA	1.3
NA	NA	-1.1	NA	NA	NA	NA	1.6
-4.5	8.0	-1.0	-49.7	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.3	2.4	0.1	22.7	NA	NA	NA	0.4
NA	NA	0.7	NA	NA	NA	NA	1.3
-4.2	3.9	-1.6	-56.5	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.2	3.7	0.5	43.0	NA	NA	NA	0.9
-4.3	2.3	2.5	-96.6	NA	NA	NA	2.1
NA	NA	-0.1	NA	NA	NA	NA	0.4
-4.3	8.0	1.3	55.7	NA	NA	NA	1.4
-4.2	4.2	0.3	42.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.9
-4.5	0.5	-5.6	67.0	NA	NA	NA	1.8
-4.5	1.5	-0.6	38.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.7
-4.8	2.1	0.1	25.4	NA	NA	NA	1.0
-4.6	5.6	0.0	23.1	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.8
NA	NA	0.7	NA	NA	NA	NA	1.6
-5.1	2.3	-0.5	-27.1	NA	NA	NA	1.0
-4.7	0.7	-3.4	117.8	NA	NA	NA	2.0
-4.7	1.1	-0.8	114.2	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.8

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	-5.1	-31.0	NA	NA	NA	1.3
-4.4	8.0	3.0	39.4	NA	NA	NA	1.6
-4.4	8.0	3.1	68.0	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	1.2
NA	NA	-2.6	NA	NA	NA	NA	1.2
-4.3	3.5	1.4	52.0	NA	NA	NA	1.6
-4.1	4.7	1.8	57.4	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.5	3.9	0.2	-29.7	NA	NA	NA	1.0
-4.7	8.0	-2.1	20.4	NA	NA	NA	1.8
-4.6	8.0	-0.9	32.2	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.3
-4.6	6.8	-1.3	23.3	NA	NA	NA	1.8
-4.2	3.4	1.0	26.7	NA	NA	NA	0.5
NA	NA	1.2	NA	NA	NA	NA	1.5
-4.4	1.6	-0.9	-53.9	NA	NA	NA	1.0
-4.8	2.3	-1.5	52.9	NA	NA	NA	1.4
-4.5	1.8	0.2	104.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
-5.0	2.1	0.2	-18.3	NA	NA	NA	1.2
-5.1	2.6	-5.0	56.2	-4.0	10.0	23.2	1.5
-4.8	1.8	-3.1	91.1	-4.4	9.4	61.4	1.4
NA	NA	2.7	NA	NA	NA	NA	1.5
NA	NA	2.2	NA	NA	NA	NA	0.6
-4.5	3.3	0.9	25.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
NA	NA	2.1	NA	NA	NA	NA	1.4
-4.3	0.7	0.7	-31.7	NA	NA	NA	1.0
-4.5	1.3	0.1	28.3	NA	NA	NA	1.0
-4.3	0.8	-0.4	39.0	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	1.2
-5.2	4.5	-2.2	27.7	-4.2	10.0	-0.3	1.5
-4.7	1.1	-2.5	43.3	-4.1	10.0	2.1	1.0
NA	NA	0.7	NA	NA	NA	NA	1.3
-4.6	1.8	0.8	-19.7	NA	NA	NA	1.0
-5.0	1.1	0.0	92.1	NA	NA	NA	1.8
-4.6	1.1	-0.7	92.4	NA	NA	NA	1.1
NA	NA	3.4	NA	NA	NA	NA	1.6
-5.9	2.6	-0.3	-17.7	NA	NA	NA	1.0
-5.8	2.3	-2.7	108.1	-5.3	9.9	25.4	2.0
-5.9	1.9	-0.9	66.3	-4.6	1.9	27.4	1.1
NA	NA	-2.1	NA	NA	NA	NA	2.0
-4.3	1.6	-1.4	-42.4	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.2	0.3	14.7	NA	NA	NA	0.4
-4.5	8.0	0.6	-51.2	NA	NA	NA	1.4
-6.0	3.3	0.6	-19.8	NA	NA	NA	1.0
-6.3	3.9	-0.6	63.0	NA	NA	NA	2.2
-6.0	4.2	-0.5	61.3	NA	NA	NA	1.6
NA	NA	-8.3	NA	NA	NA	NA	2.2
-4.4	1.2	1.1	-32.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	0.9	-0.3	12.8	NA	NA	NA	0.4
-4.5	8.0	-0.2	-40.5	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	1.2
-5.2	8.0	-1.1	34.6	NA	NA	NA	1.3
-5.5	4.6	-0.9	24.2	-4.5	6.8	-5.6	1.0
-4.7	8.0	-1.4	-91.2	NA	NA	NA	1.9
-4.6	2.7	0.8	-39.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.6	1.9	0.0	13.4	NA	NA	NA	0.4
-4.9	1.1	1.0	-111.6	NA	NA	NA	1.3
-4.6	1.4	0.2	-45.4	NA	NA	NA	1.0
-4.5	1.4	0.6	23.4	NA	NA	NA	1.0
-4.5	2.2	0.4	54.8	NA	NA	NA	0.9
-4.7	1.6	1.4	-107.6	NA	NA	NA	1.9
-5.0	0.9	-0.4	-31.7	NA	NA	NA	1.0
-5.2	1.0	0.2	63.6	-4.3	9.9	8.3	1.7
-5.4	1.4	1.8	67.9	NA	NA	NA	1.2
-4.3	2.1	0.3	-93.3	NA	NA	NA	1.4
-4.2	8.0	-0.8	-30.3	NA	NA	NA	1.3
-4.2	4.3	-0.7	44.6	NA	NA	NA	1.0
-4.3	6.3	0.2	41.8	NA	NA	NA	0.9
NA	NA	-4.1	NA	NA	NA	NA	2.4
-4.4	1.1	1.6	288.4	NA	NA	NA	1.8
-4.3	3.0	2.5	64.3	NA	NA	NA	1.5
-4.6	1.2	2.2	-78.9	NA	NA	NA	1.3
NA	NA	-1.4	NA	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.5	0.9	0.7	56.7	NA	NA	NA	1.5
-4.4	1.0	-0.4	41.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.5	8.0	4.1	32.8	NA	NA	NA	1.9
-4.4	8.0	1.8	25.2	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.6	0.6	-0.2	35.3	NA	NA	NA	1.1
-4.4	0.6	-0.3	37.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.7	NA	NA	NA	NA	1.3
-7.0	0.4	-2.2	17.9	NA	NA	NA	1.0
-7.0	0.4	-1.5	12.7	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.5
-4.4	3.1	-2.3	-52.9	NA	NA	NA	1.3
-6.5	2.0	-0.3	28.1	-5.6	9.6	-31.4	1.6
-6.3	1.1	-0.1	33.5	-5.6	10.0	-16.8	1.5
NA	NA	2.1	NA	NA	NA	NA	1.7
-4.7	8.0	-1.9	-57.8	NA	NA	NA	1.8
-6.6	2.4	-0.2	48.8	-5.9	3.6	-128.5	2.8
-6.7	3.6	0.6	43.5	-6.1	10.0	-40.4	2.1
-5.2	0.7	4.0	-117.2	NA	NA	NA	2.1
-4.7	0.7	0.2	-107.8	NA	NA	NA	1.5
-6.1	5.8	-0.1	16.8	-5.3	10.0	-5.7	0.5
-6.2	8.0	0.0	14.4	NA	NA	NA	0.8
-6.7	1.3	0.8	-49.1	NA	NA	NA	1.8
-4.3	3.0	-1.0	-51.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.5
-4.3	7.8	0.5	17.3	NA	NA	NA	0.9
-5.9	8.0	7.1	-41.5	NA	NA	NA	2.2
-4.2	3.5	-2.5	-68.0	NA	NA	NA	1.4
-6.7	4.4	-0.1	12.5	-5.9	4.5	-2.6	0.5
NA	NA	0.1	NA	NA	NA	NA	0.1
NA	NA	-0.5	NA	NA	NA	NA	1.8
-6.7	2.5	-2.1	-37.5	NA	NA	NA	2.1
-6.3	1.3	4.2	268.1	-5.5	10.0	-20.3	2.2
-6.0	1.1	1.2	531.6	-5.5	10.0	48.5	3.1
-4.1	8.0	1.9	-103.9	NA	NA	NA	2.3
NA	NA	1.1	NA	NA	NA	NA	0.5
-4.1	8.0	-0.8	103.5	NA	NA	NA	2.0
-4.1	8.0	-0.7	55.5	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.2
NA	NA	1.4	NA	NA	NA	NA	0.7
-4.2	4.6	1.0	45.8	NA	NA	NA	1.0
-4.2	5.2	-0.5	33.5	NA	NA	NA	0.5
NA	NA	2.7	NA	NA	NA	NA	1.5
-4.6	1.4	-1.0	-91.2	NA	NA	NA	1.2
-4.7	1.7	-0.6	23.8	-4.3	10.0	-19.0	1.2
-4.7	3.0	0.5	71.3	NA	NA	NA	1.1
-4.2	8.0	-1.7	-91.0	NA	NA	NA	1.2
-4.8	1.5	-0.4	-53.1	NA	NA	NA	1.2
-5.0	4.5	1.9	63.0	-4.6	10.0	-141.4	2.1
-5.1	3.5	2.1	82.5	-4.6	8.2	-6.1	1.7
-4.5	8.0	-0.1	-96.9	NA	NA	NA	1.3
-4.4	1.4	-0.9	-83.1	NA	NA	NA	1.2
-4.3	2.3	-1.1	-20.2	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	1.2	-0.4	69.0	NA	NA	NA	1.0
-4.4	7.8	1.7	-77.6	NA	NA	NA	2.1
-4.5	7.7	0.3	-85.2	NA	NA	NA	1.3
-4.3	2.2	-0.1	11.6	NA	NA	NA	0.5
-4.2	4.1	-0.2	203.8	NA	NA	NA	0.4
-4.3	8.0	-3.5	-96.7	NA	NA	NA	1.8
-4.4	1.7	-0.8	-95.4	NA	NA	NA	1.4
-5.4	7.8	-0.1	27.2	-4.3	1.2	-5.3	1.0
-4.5	2.1	-0.2	56.7	NA	NA	NA	0.9
-4.6	4.2	-5.5	-76.9	NA	NA	NA	1.9
-4.8	2.3	-0.4	-77.4	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.5	2.9	0.0	38.7	NA	NA	NA	0.3
-4.6	5.6	-0.5	-94.8	NA	NA	NA	1.4
-4.1	6.8	0.7	-99.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.3
-4.1	8.0	-1.0	134.6	NA	NA	NA	1.0
-4.1	8.0	-0.3	-130.7	NA	NA	NA	1.6
-4.6	2.8	-0.3	-69.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.7	5.4	-0.4	55.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.2
-4.7	4.0	-0.3	-28.4	NA	NA	NA	1.0
-5.0	2.0	-2.1	63.9	-4.5	6.4	-71.9	1.5
-4.9	2.9	-0.1	62.0	-4.5	10.0	0.2	1.0
-4.4	7.8	2.3	-110.6	NA	NA	NA	1.3
-4.7	8.0	1.3	-66.4	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	4.8	-0.2	47.0	NA	NA	NA	0.4
-4.5	8.0	0.0	-53.2	NA	NA	NA	1.2
-4.6	2.9	-1.9	-48.4	NA	NA	NA	1.2
-4.9	8.0	0.3	18.8	NA	NA	NA	1.0
-4.7	3.4	0.3	40.2	NA	NA	NA	0.9
NA	NA	1.9	NA	NA	NA	NA	1.6
-4.7	1.5	1.0	-46.0	NA	NA	NA	1.0
-5.2	2.6	0.1	69.8	NA	NA	NA	1.5
-4.8	1.6	0.3	102.2	NA	NA	NA	1.3
NA	NA	2.9	NA	NA	NA	NA	1.3
-4.4	6.7	-2.2	-30.0	NA	NA	NA	1.0
-4.2	2.7	4.0	93.9	NA	NA	NA	1.2
-4.3	2.6	3.2	124.6	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.9
-4.5	1.5	-2.2	71.4	NA	NA	NA	1.6
-4.5	2.3	-1.1	56.0	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.8	NA	NA	NA	NA	1.0
-5.0	2.3	-1.1	28.4	NA	NA	NA	1.3
-4.6	1.3	-0.8	46.1	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	0.7
NA	NA	-0.3	NA	NA	NA	NA	0.5
-5.2	1.4	0.7	23.8	NA	NA	NA	1.0
-5.3	2.5	0.9	14.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.1
-4.5	8.0	-2.2	-34.2	NA	NA	NA	1.0
-4.6	4.1	0.4	63.1	-4.4	10.0	2.0	1.3
-4.6	5.3	0.9	70.3	-4.4	9.9	10.4	1.0
NA	NA	0.5	NA	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	1.1
-4.6	5.1	0.3	42.6	-4.2	5.2	1.2	1.0
-4.6	6.3	-0.7	34.8	-4.1	4.5	-7.3	0.9
NA	NA	-0.3	NA	NA	NA	NA	1.7
NA	NA	-1.6	NA	NA	NA	NA	0.9
-5.2	5.9	-2.4	36.4	-4.4	9.9	2.5	1.7
-5.4	8.0	1.4	10.4	NA	NA	NA	1.5
NA	NA	-1.7	NA	NA	NA	NA	1.7
-4.8	1.3	0.3	-94.4	NA	NA	NA	1.0
-5.3	5.0	-1.0	59.7	-4.6	8.9	-35.4	1.0
-5.2	3.6	-0.5	110.3	-4.7	8.1	57.3	1.0
-4.5	2.3	1.3	-104.6	NA	NA	NA	1.2
-4.5	2.2	1.3	-97.3	NA	NA	NA	1.0
-4.5	2.3	-3.8	-39.8	NA	NA	NA	1.0
-4.2	3.7	-3.0	140.3	NA	NA	NA	1.4
-4.7	2.7	0.0	-89.3	NA	NA	NA	1.8
-4.6	2.0	0.2	-96.2	NA	NA	NA	1.1
-4.5	2.5	0.1	-9.1	NA	NA	NA	0.5
-4.4	5.3	0.1	73.4	NA	NA	NA	0.4
-4.5	8.0	-1.6	-101.6	NA	NA	NA	1.8
-4.7	2.0	-2.1	-82.5	NA	NA	NA	1.2
-4.8	5.3	-1.2	42.8	-4.6	2.9	-15.5	1.0
-4.3	2.0	0.0	169.1	NA	NA	NA	0.9
-4.5	1.1	-0.3	-107.2	NA	NA	NA	1.7
-4.3	2.2	1.2	-112.8	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.9	0.0	35.4	NA	NA	NA	0.3
-4.3	3.5	3.8	-119.0	NA	NA	NA	2.5
-4.6	0.9	-1.1	-113.0	NA	NA	NA	1.1
-4.5	4.4	-0.2	-27.4	NA	NA	NA	1.0
-4.0	1.1	0.8	210.8	NA	NA	NA	1.1
-4.3	1.7	-3.4	-139.3	NA	NA	NA	1.6
-4.4	3.4	-1.2	-108.5	NA	NA	NA	1.0
-4.5	2.6	-0.2	-31.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.5	0.0	122.0	NA	NA	NA	1.0
-4.5	2.0	-1.1	-134.9	NA	NA	NA	1.2
-5.3	3.3	-0.6	-81.2	NA	NA	NA	1.0
-5.6	8.0	-1.9	33.5	-5.0	5.0	-32.9	1.1
-5.4	4.2	-1.4	95.8	-4.7	10.0	57.8	1.1
-5.1	2.3	0.2	-95.7	NA	NA	NA	1.1
-5.1	4.1	-1.1	-67.3	NA	NA	NA	1.0
-6.7	4.3	1.9	43.0	-4.4	0.8	-263.1	2.4
-6.4	2.6	1.3	48.3	-6.1	10.0	0.1	1.4
-5.5	0.9	0.2	-109.6	NA	NA	NA	1.8
-4.7	3.8	-0.3	-79.4	NA	NA	NA	1.6
-4.4	1.5	-1.3	-48.6	NA	NA	NA	1.0
-4.7	8.0	-1.5	92.3	NA	NA	NA	1.4
-5.0	2.1	-2.7	-100.9	NA	NA	NA	1.8
-5.4	2.3	-0.5	-85.1	NA	NA	NA	0.8
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.8	8.0	0.3	129.9	NA	NA	NA	0.4
-5.2	3.0	-2.0	-96.6	NA	NA	NA	1.8
-5.0	2.5	-3.4	-84.3	NA	NA	NA	1.2
-4.5	1.2	-0.8	-17.7	NA	NA	NA	1.0
-4.7	3.3	0.6	169.3	-4.1	3.7	104.6	0.5
-5.2	1.6	-9.5	-98.6	NA	NA	NA	1.7
-5.1	5.1	-0.3	-80.4	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	0.3
-5.1	4.6	0.0	35.3	-3.6	1.2	3.4	0.3
-5.0	7.7	-3.0	-99.1	NA	NA	NA	1.9
-5.1	1.8	0.8	-87.5	NA	NA	NA	1.1
-5.0	3.6	0.8	-25.8	NA	NA	NA	1.0
-4.6	2.3	0.7	203.7	NA	NA	NA	1.0
-4.8	6.8	0.8	-93.6	NA	NA	NA	1.8
NA	NA	-0.4	NA	NA	NA	NA	0.8
-4.4	8.0	1.6	22.6	NA	NA	NA	1.6
NA	NA	1.7	NA	NA	NA	NA	0.6
NA	NA	-0.5	NA	NA	NA	NA	0.7
NA	NA	-2.1	NA	NA	NA	NA	1.0
-4.5	1.9	2.4	33.3	NA	NA	NA	1.3
-5.1	8.0	3.2	19.9	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.3	2.7	-1.1	-41.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	2.8	0.4	19.9	NA	NA	NA	0.4
NA	NA	0.0	NA	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.5	2.6	1.6	76.6	NA	NA	NA	1.1
-4.4	4.2	0.9	54.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.7	5.4	-1.0	-82.0	NA	NA	NA	1.0
-4.9	8.0	1.7	-38.4	NA	NA	NA	1.7
-4.4	8.0	0.8	78.1	NA	NA	NA	1.7
-4.7	4.1	-4.1	-88.8	NA	NA	NA	1.4
-4.8	6.2	0.8	-90.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	2.7	-0.2	196.9	NA	NA	NA	0.4
-4.7	8.0	1.0	-99.6	NA	NA	NA	1.0
-4.4	4.6	-2.5	-40.0	NA	NA	NA	1.0
-4.5	8.0	-0.4	29.3	NA	NA	NA	1.1
-4.5	8.0	1.6	65.8	NA	NA	NA	1.5
-4.5	8.0	-0.5	-46.7	NA	NA	NA	2.0
-4.3	2.6	0.0	-58.0	NA	NA	NA	1.0
-4.5	8.0	0.2	30.8	NA	NA	NA	1.4
-4.4	8.0	-0.2	75.4	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	1.3
-4.3	8.0	-0.2	-37.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.1	4.5	-1.2	50.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	2.0
-4.3	2.6	0.3	-67.4	NA	NA	NA	1.1
NA	NA	2.4	NA	NA	NA	NA	1.4
-4.2	1.0	1.7	49.8	NA	NA	NA	1.3
-4.2	8.0	-0.2	-62.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.3	1.8	2.5	64.4	NA	NA	NA	1.8
-4.4	0.9	0.0	31.6	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.4
-5.0	1.7	-2.5	-76.1	NA	NA	NA	1.4
-5.3	3.8	-1.4	23.1	-4.6	10.0	-27.9	1.0
-5.2	3.2	0.1	98.0	-4.1	10.0	38.4	1.5
-4.7	5.9	-0.9	-91.3	NA	NA	NA	1.2
-4.7	2.0	-1.8	-58.6	NA	NA	NA	1.0
-4.2	1.5	-1.2	-173.4	NA	NA	NA	2.1
-4.0	8.0	1.8	39.6	NA	NA	NA	1.2
-4.8	1.9	-5.1	-111.9	NA	NA	NA	1.9
-4.4	0.6	-2.9	-88.2	NA	NA	NA	1.3
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.1	0.9	0.8	106.8	NA	NA	NA	1.3
-4.2	4.5	-0.2	-126.3	NA	NA	NA	1.8
-4.8	2.7	-2.4	-84.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.1	1.5	0.1	197.7	NA	NA	NA	0.4
-4.6	2.6	-2.3	-101.0	NA	NA	NA	1.1
-5.1	1.6	-3.5	-78.9	NA	NA	NA	1.3
-5.5	2.6	-1.3	32.4	-4.9	10.0	3.3	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.2	0.1	271.3	NA	NA	NA	1.3
-4.9	5.5	-1.0	-94.7	NA	NA	NA	1.6
-4.6	0.9	-0.7	-103.2	NA	NA	NA	1.7
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.3	2.1	0.4	43.7	NA	NA	NA	0.3
-4.2	8.0	-0.9	-119.2	NA	NA	NA	1.2
-4.2	2.1	-1.0	-112.0	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	0.9
-4.0	3.3	0.3	239.5	NA	NA	NA	1.0
-4.2	8.0	-1.6	-98.4	NA	NA	NA	1.9
-5.3	1.5	-0.6	-80.2	NA	NA	NA	1.1
-4.7	3.8	3.3	-32.6	NA	NA	NA	1.6
-5.1	1.4	3.7	95.2	-4.4	10.0	22.2	1.7
-4.6	2.8	-2.7	-110.1	NA	NA	NA	1.5
-5.0	1.4	0.1	-59.5	NA	NA	NA	1.1
-4.5	3.7	0.0	-30.1	NA	NA	NA	1.0
-5.1	1.6	-0.7	40.7	NA	NA	NA	1.0
-4.5	6.0	0.4	-115.0	NA	NA	NA	1.4
-5.0	7.3	0.7	-74.0	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.1
-4.4	2.2	-0.1	79.6	NA	NA	NA	0.4
NA	NA	-1.5	NA	NA	NA	NA	1.8
-4.8	2.1	1.4	-85.9	NA	NA	NA	1.7
-5.2	3.2	-0.2	31.0	-4.7	10.0	4.6	1.0
-4.5	1.3	-0.5	184.8	NA	NA	NA	1.1
-4.8	0.9	-1.9	-130.6	NA	NA	NA	2.5
-4.8	1.1	-0.2	-97.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.7	1.4	0.1	24.5	NA	NA	NA	0.3
-4.7	3.8	-3.5	-102.9	NA	NA	NA	2.0
-4.5	4.2	0.8	-76.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.3
-4.4	5.6	-0.5	179.1	NA	NA	NA	1.0
-4.6	8.0	-1.5	-94.7	NA	NA	NA	1.2
-5.0	1.6	0.4	-82.6	NA	NA	NA	1.0
-5.1	3.5	-0.5	36.3	-4.6	4.3	-29.1	1.0
-4.9	2.9	-0.2	121.0	-4.7	9.9	73.0	1.3
-4.3	4.7	0.8	-123.4	NA	NA	NA	1.0
-4.7	2.1	1.8	-65.6	NA	NA	NA	1.2
-4.7	2.0	-0.4	-76.3	NA	NA	NA	1.2
-5.0	8.0	-1.0	22.6	-4.7	10.0	-1.2	0.5
-4.4	1.8	1.1	-141.3	NA	NA	NA	1.6
-4.7	0.8	-1.3	-85.5	NA	NA	NA	1.0
-4.4	7.3	0.1	-23.7	NA	NA	NA	1.0
-4.6	1.1	0.4	95.0	NA	NA	NA	1.0
-4.3	7.0	0.4	-119.6	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.0	1.8	-93.7	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.2
-4.3	1.9	0.0	185.5	NA	NA	NA	0.4
-4.5	8.0	-3.1	-101.0	NA	NA	NA	1.5
-4.7	1.3	3.5	-94.8	NA	NA	NA	1.3
-5.1	2.9	1.0	17.1	-4.2	2.8	-13.2	1.0
-4.6	1.6	0.1	123.9	NA	NA	NA	0.9
-4.5	8.0	1.2	-103.2	NA	NA	NA	1.8
-4.7	1.0	-0.1	-95.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	1.5	0.2	30.1	NA	NA	NA	0.3
-4.3	6.0	-2.1	-131.1	NA	NA	NA	1.5
-4.4	1.8	-0.2	-110.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.3	3.3	0.4	232.9	NA	NA	NA	1.0
-4.2	6.5	0.5	-129.3	NA	NA	NA	1.7
-4.2	8.0	0.3	-50.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.2	4.9	-0.4	76.5	NA	NA	NA	1.0
-4.2	8.0	-0.9	-73.2	NA	NA	NA	1.6
-4.4	8.0	-1.6	-25.7	NA	NA	NA	1.3
-4.6	7.5	-0.8	50.9	-4.4	10.0	5.7	0.5
-4.7	7.3	0.2	41.1	-4.2	2.1	1.6	0.9
-4.5	3.7	-2.4	-49.1	NA	NA	NA	2.0
-5.1	5.6	-2.6	-32.1	NA	NA	NA	1.0
-4.9	1.4	-2.1	109.7	NA	NA	NA	1.0
-4.9	1.9	-0.1	108.3	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.6
-4.8	3.4	1.4	76.2	NA	NA	NA	1.5
-4.7	3.4	1.0	53.2	NA	NA	NA	1.0
NA	NA	-3.5	NA	NA	NA	NA	1.8
-5.1	2.6	-0.4	-85.8	-4.1	2.7	-36.7	1.4
-6.3	1.7	-2.3	49.9	-5.6	3.5	-34.5	1.0
-4.7	8.0	-1.2	55.9	-4.5	9.8	6.1	1.6
-4.7	5.6	0.8	-93.4	NA	NA	NA	1.0
-5.7	0.7	0.9	-31.1	NA	NA	NA	1.2
-5.3	4.6	-0.2	-164.3	NA	NA	NA	2.4
-6.3	7.4	-0.1	35.4	-5.4	10.0	-43.9	1.2
-5.2	1.6	4.2	-106.8	NA	NA	NA	1.5
-5.7	4.4	-0.3	-65.8	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.1
-5.6	3.2	0.1	33.7	NA	NA	NA	0.4
-5.7	1.7	0.9	-99.3	NA	NA	NA	1.1
-4.7	2.3	-1.5	-49.0	NA	NA	NA	1.3
-6.8	5.5	0.3	7.8	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.6	1.9	94.6	NA	NA	NA	1.3
-4.2	8.0	-0.2	-71.9	NA	NA	NA	2.1
-4.6	0.6	0.4	-86.7	NA	NA	NA	1.2
-6.8	1.5	0.3	9.7	-5.2	2.7	-13.3	1.0
-4.2	2.4	2.9	76.5	NA	NA	NA	1.5
-4.3	0.5	3.1	-133.9	NA	NA	NA	1.8
-4.7	6.3	-0.6	-71.1	NA	NA	NA	1.1
-6.1	2.1	1.3	48.0	-5.2	10.0	-33.2	1.2
-6.0	2.0	0.6	55.4	-5.4	9.9	5.9	1.5
NA	NA	0.9	NA	NA	NA	NA	1.4
-5.0	2.7	0.8	-81.4	NA	NA	NA	1.0
-5.1	2.9	0.6	-6.4	NA	NA	NA	0.5
-4.7	2.4	0.0	76.5	-4.0	3.5	24.2	0.4
-5.4	1.7	-0.3	-94.2	NA	NA	NA	1.5
-4.5	0.9	-0.3	-89.4	NA	NA	NA	1.6
-5.6	1.1	-0.4	16.3	-4.5	1.6	-33.4	1.0
-4.1	4.4	2.0	96.8	NA	NA	NA	1.1
-4.5	0.8	1.4	-119.6	NA	NA	NA	2.2
-6.1	1.8	-1.0	-35.9	NA	NA	NA	1.3
-6.2	1.5	-0.2	95.9	NA	NA	NA	1.9
-6.1	1.6	1.0	110.1	NA	NA	NA	2.0
NA	NA	1.5	NA	NA	NA	NA	1.1
-4.3	0.8	-0.1	-17.2	NA	NA	NA	1.1
-5.7	2.2	0.2	16.3	NA	NA	NA	0.5
-5.7	2.1	0.0	9.1	NA	NA	NA	0.3
NA	NA	-1.3	NA	NA	NA	NA	0.9
-6.1	1.5	-0.4	-45.5	-5.4	10.0	-12.9	1.3
-7.0	1.0	-1.5	80.2	-5.8	5.4	-10.3	1.0
-6.4	0.8	-0.8	122.9	-5.6	4.4	7.9	1.0
-4.6	0.7	3.7	-127.2	NA	NA	NA	2.1
NA	NA	-3.8	NA	NA	NA	NA	1.2
-6.0	1.4	-0.2	21.4	NA	NA	NA	1.5
-6.1	1.3	2.0	29.7	NA	NA	NA	1.0
-5.5	5.9	-1.4	-27.9	NA	NA	NA	1.4
-6.9	8.0	-5.2	0.8	NA	NA	NA	1.4
-4.5	6.4	-1.7	66.2	NA	NA	NA	1.0
-4.5	6.1	0.9	39.6	NA	NA	NA	0.5
NA	NA	-4.4	NA	NA	NA	NA	2.0
NA	NA	-2.9	NA	NA	NA	NA	1.3
-7.0	2.9	0.3	54.1	-6.4	1.2	26.6	1.0
-7.1	3.8	-1.1	39.8	-6.2	4.4	22.7	1.0
-6.2	1.9	2.2	-24.6	NA	NA	NA	1.5
-6.2	8.0	-0.8	-18.4	NA	NA	NA	1.6
-6.0	2.6	1.6	77.9	-5.5	9.2	-28.5	1.6
-5.8	2.2	1.2	90.5	-5.5	9.9	-13.2	1.4
-4.6	2.6	-5.4	-98.0	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-5.5	8.0	1.2	-49.8	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.2	8.0	-0.2	18.1	NA	NA	NA	0.4
-5.2	8.0	-1.6	-79.8	NA	NA	NA	1.4
-4.9	1.7	-1.1	-60.9	NA	NA	NA	1.5
-6.0	5.3	-0.4	76.2	-5.8	7.5	3.1	1.0
-4.6	1.6	0.5	69.8	NA	NA	NA	0.9
-6.4	2.7	-5.0	-48.6	NA	NA	NA	1.9
-4.4	1.1	1.0	-86.8	NA	NA	NA	1.2
-5.8	8.0	-0.6	79.8	-5.3	10.0	-30.8	1.3
-5.8	8.0	-0.6	117.3	-5.4	5.7	-6.7	1.1
-4.8	1.9	1.3	-87.0	NA	NA	NA	1.6
-5.2	3.3	-0.2	-59.4	NA	NA	NA	2.1
-6.7	1.2	-0.9	76.6	-6.0	3.9	-134.5	2.7
-6.9	2.3	-1.8	25.1	-6.2	10.0	-22.1	1.7
-5.9	1.1	-0.2	-98.7	NA	NA	NA	1.8
-7.2	2.8	-0.3	17.2	-4.4	2.0	-74.3	1.5
-6.3	0.4	0.0	-13.3	-4.3	3.0	1.7	1.1
-4.4	8.0	-6.3	110.8	NA	NA	NA	1.8
-4.9	0.5	-6.2	-100.4	NA	NA	NA	2.4
-4.9	1.3	1.3	-93.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	2.0	-0.1	77.3	NA	NA	NA	0.4
-5.0	6.6	-0.5	-94.0	NA	NA	NA	1.0
-4.6	1.4	-1.2	-86.1	NA	NA	NA	1.5
-6.4	3.2	-0.5	61.9	-5.9	10.0	3.4	1.0
-4.1	1.2	1.7	146.6	NA	NA	NA	1.9
-6.6	1.2	4.1	-41.8	NA	NA	NA	2.4
-5.0	0.9	1.6	-80.4	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	1.2	-0.1	25.5	NA	NA	NA	0.3
-5.4	2.1	0.9	-78.0	NA	NA	NA	1.6
-5.5	0.8	2.1	-80.7	NA	NA	NA	2.0
-5.2	8.0	-3.0	-10.2	NA	NA	NA	1.0
-4.4	0.7	-1.7	170.9	NA	NA	NA	1.8
-5.2	0.8	-2.7	-113.7	NA	NA	NA	2.0
-5.7	1.8	-1.6	-33.2	NA	NA	NA	1.0
-5.7	1.8	1.9	95.8	-5.4	1.0	68.2	1.3
-5.6	2.0	3.7	106.2	NA	NA	NA	1.6
NA	NA	1.1	NA	NA	NA	NA	1.3
NA	NA	0.8	NA	NA	NA	NA	1.0
-5.5	8.0	1.8	62.0	NA	NA	NA	1.4
-5.6	8.0	0.3	29.7	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	0.9
NA	NA	-4.3	NA	NA	NA	NA	1.1
-4.6	8.0	-1.0	38.6	-4.1	10.0	1.0	1.3



ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	1.5	22.3	NA	NA	NA	1.5
NA	NA	-3.0	NA	NA	NA	NA	1.5
-4.4	8.0	-0.2	-14.3	NA	NA	NA	0.6
-4.6	3.0	-2.4	17.5	NA	NA	NA	1.5
-4.5	5.4	-0.8	28.2	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.9
-4.4	7.0	-0.4	-19.5	NA	NA	NA	1.0
-4.4	3.0	-1.9	45.1	NA	NA	NA	1.1
-4.3	3.1	-1.2	56.8	NA	NA	NA	1.1
NA	NA	-1.6	NA	NA	NA	NA	1.5
NA	NA	-3.5	NA	NA	NA	NA	1.1
-4.2	2.6	1.0	44.1	NA	NA	NA	1.0
-4.2	2.1	1.7	60.6	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.2
NA	NA	-2.2	NA	NA	NA	NA	1.1
-4.8	1.6	0.5	74.7	-4.0	5.5	31.9	1.4
-5.0	2.6	0.9	51.6	-4.0	4.0	14.9	1.0
NA	NA	0.2	NA	NA	NA	NA	1.3
-5.2	5.8	0.8	-16.4	-4.0	5.1	8.6	0.6
-5.2	8.0	-1.2	111.0	-4.4	2.6	29.3	1.4
-5.2	8.0	-0.7	70.7	-4.3	10.0	20.9	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-5.2	2.1	-1.8	-18.5	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.4
-5.4	1.8	0.3	10.1	NA	NA	NA	0.5
NA	NA	2.5	NA	NA	NA	NA	1.9
-5.7	3.2	-0.6	-22.6	-4.5	1.5	2.9	0.8
-5.9	4.9	-1.8	83.4	-5.0	1.5	-15.8	1.3
-5.8	8.0	-0.3	61.2	-4.4	1.7	-26.7	1.3
NA	NA	-3.9	NA	NA	NA	NA	1.9
-4.1	4.1	-1.2	-69.3	NA	NA	NA	1.3
-5.9	4.3	0.2	57.1	-4.5	2.7	-156.2	2.0
-5.7	3.3	-0.4	80.1	-5.0	2.7	-31.5	1.1
-4.3	1.5	-3.9	-130.0	NA	NA	NA	1.9
-4.4	4.4	-0.6	-84.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	4.1	-0.1	112.5	NA	NA	NA	0.4
-4.5	8.0	1.8	-98.6	NA	NA	NA	1.2
-4.2	8.0	-2.1	-75.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.3
-4.2	6.8	0.3	71.4	NA	NA	NA	0.5
-4.6	4.0	-0.8	-72.1	NA	NA	NA	2.0
-4.3	1.2	0.8	-106.0	NA	NA	NA	1.3
-4.2	3.8	-0.1	-28.1	NA	NA	NA	1.0
-4.1	4.5	0.5	188.9	NA	NA	NA	1.1
-4.3	8.0	-2.3	-100.0	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.1	1.2	-79.4	NA	NA	NA	1.2
-5.7	2.3	0.1	99.7	-4.4	1.7	-209.5	1.9
-5.6	1.8	0.7	70.2	-4.6	4.9	-29.7	1.0
-4.7	4.8	-2.3	-98.7	NA	NA	NA	1.3
-4.2	8.0	1.4	-96.5	NA	NA	NA	1.2
-4.2	7.8	-0.2	-41.8	NA	NA	NA	1.0
-4.1	8.0	-1.0	96.5	NA	NA	NA	1.0
-4.6	3.9	4.6	-96.3	NA	NA	NA	1.9
-4.3	2.9	-1.7	-109.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	5.2	0.1	91.9	NA	NA	NA	0.4
-4.2	8.0	2.5	-126.5	NA	NA	NA	1.2
-4.2	6.3	-0.6	-110.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.2
-4.2	8.0	0.3	192.4	NA	NA	NA	0.9
-4.2	4.4	2.1	-126.7	NA	NA	NA	1.5
-4.2	2.7	0.5	-108.0	NA	NA	NA	1.0
-4.1	5.9	-0.2	-36.0	NA	NA	NA	1.0
-4.1	3.5	-0.3	192.9	NA	NA	NA	1.0
-4.1	7.4	-3.3	-131.2	NA	NA	NA	1.8
NA	NA	1.8	NA	NA	NA	NA	1.0
-4.3	1.1	1.8	79.9	NA	NA	NA	1.8
-4.2	1.2	0.4	59.7	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.2	3.8	0.5	46.3	NA	NA	NA	1.0
-4.1	5.2	-0.1	38.2	NA	NA	NA	0.5
NA	NA	-0.4	NA	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	0.8
-6.1	0.4	-4.0	21.9	-4.6	1.4	-4.0	1.3
-6.3	2.4	-1.5	7.9	-3.9	0.8	-26.8	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.2
-4.3	1.9	0.8	-38.6	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.3	1.9	-0.1	16.3	NA	NA	NA	0.4
NA	NA	-2.2	NA	NA	NA	NA	1.4
-5.8	8.0	-4.3	-62.0	-5.1	10.0	-14.6	1.3
-5.9	4.7	2.9	44.0	-5.4	10.0	-34.2	1.2
-5.9	6.1	4.1	80.3	-5.4	8.9	-11.2	1.2
-5.8	8.0	2.6	-82.5	-5.0	9.6	-23.7	1.5
-6.0	8.0	1.8	-51.9	NA	NA	NA	1.6
-6.3	3.0	1.1	45.3	-5.9	10.0	-106.2	2.2
-6.2	8.0	-1.0	73.0	-5.9	10.0	-20.2	1.3
-6.2	1.9	-2.3	-97.0	NA	NA	NA	1.7
-5.6	4.1	0.0	-72.7	-5.1	10.0	-39.1	0.8
NA	NA	-0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-5.6	5.9	0.1	50.3	-5.3	4.1	16.4	0.4
-6.0	8.0	0.8	-95.7	NA	NA	NA	1.6
-4.9	1.2	-0.5	-44.2	NA	NA	NA	1.3
-6.1	8.0	-0.2	64.9	-5.9	10.0	5.5	1.0
-4.8	1.7	0.1	58.3	NA	NA	NA	0.9
-5.9	8.0	-7.2	-51.6	NA	NA	NA	2.2
-5.6	8.0	0.5	-54.2	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	0.8
-5.6	7.3	-0.6	49.6	NA	NA	NA	1.0
-5.6	8.0	0.6	-92.5	NA	NA	NA	1.4
-5.9	3.4	2.1	-22.5	-4.4	8.3	0.3	0.5
-5.1	1.3	1.1	226.5	-4.6	5.9	169.9	1.7
-5.3	1.3	-1.6	144.2	-4.1	8.9	66.1	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.6
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.3	2.1	0.5	106.8	NA	NA	NA	1.0
-4.6	4.1	0.7	61.5	NA	NA	NA	0.9
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.3	7.4	-2.0	-17.8	NA	NA	NA	1.0
-4.8	0.7	-1.4	72.9	NA	NA	NA	1.0
-4.9	0.9	0.4	51.8	NA	NA	NA	1.0
NA	NA	-3.9	NA	NA	NA	NA	1.6
-4.3	0.7	-0.4	-17.3	NA	NA	NA	1.0
-4.6	1.0	0.2	142.0	NA	NA	NA	1.0
-4.5	1.0	0.3	116.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.4
-5.5	1.1	1.3	-24.7	-4.1	6.8	10.3	1.0
-5.3	0.9	-6.7	153.9	NA	NA	NA	2.3
-5.2	1.0	-1.8	122.0	-4.0	10.0	60.9	1.5
NA	NA	2.9	NA	NA	NA	NA	1.7
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.5	4.0	0.0	55.3	NA	NA	NA	1.0
-4.3	2.7	-0.2	60.3	NA	NA	NA	0.9
NA	NA	-4.0	NA	NA	NA	NA	2.0
NA	NA	-2.6	NA	NA	NA	NA	1.1
-5.0	0.9	-0.7	64.9	-4.1	10.0	9.2	1.0
-4.9	1.0	0.1	52.3	-4.1	8.2	4.4	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.6
-5.2	1.0	1.3	-20.1	NA	NA	NA	1.0
-5.1	3.6	1.5	51.4	NA	NA	NA	1.6
-4.9	1.2	-1.4	59.8	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.2
-4.7	0.8	1.1	-29.6	NA	NA	NA	1.1
-5.2	0.9	-1.5	62.1	NA	NA	NA	1.6
-4.5	0.7	-0.8	100.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.9	NA	NA	NA	NA	1.6
-5.0	7.8	-10.3	24.4	-4.5	5.7	-74.2	2.0
-4.4	8.0	-2.6	-45.5	NA	NA	NA	1.4
NA	NA	-1.9	NA	NA	NA	NA	1.7
-5.1	3.9	-1.0	-30.6	NA	NA	NA	1.0
-5.3	1.5	-0.6	37.1	-4.2	6.0	3.3	1.0
-5.1	1.5	-0.4	55.2	-4.2	10.0	18.8	1.0
NA	NA	7.5	NA	NA	NA	NA	1.8
-4.6	1.0	0.1	-24.6	NA	NA	NA	1.0
-5.3	2.2	0.0	55.6	-4.3	9.8	10.0	1.0
-5.3	2.7	0.3	42.9	-4.2	5.5	7.5	1.0
NA	NA	1.1	NA	NA	NA	NA	1.7
NA	NA	-1.3	NA	NA	NA	NA	1.1
-4.4	2.3	-0.3	49.7	NA	NA	NA	1.8
-4.4	4.5	0.2	58.2	NA	NA	NA	1.2
NA	NA	-9.8	NA	NA	NA	NA	1.7
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.4	3.6	0.9	52.8	NA	NA	NA	1.3
-4.3	1.4	-1.3	45.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.7
NA	NA	1.0	NA	NA	NA	NA	0.7
-5.1	1.0	1.4	56.4	-4.3	10.0	6.3	1.7
-4.2	1.0	-0.6	46.6	-4.0	10.0	4.1	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-5.5	1.8	0.5	-22.3	NA	NA	NA	1.3
-5.6	1.4	-1.5	54.3	NA	NA	NA	2.3
-5.3	1.1	-1.2	68.2	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.6
-4.7	6.7	1.6	-28.2	-4.1	10.0	-8.1	0.5
-4.6	4.0	-1.6	79.4	-4.3	10.0	6.6	1.0
-4.6	4.7	-1.0	86.2	-4.4	10.0	11.8	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.3
-4.7	8.0	0.1	-13.6	NA	NA	NA	1.0
-4.5	0.7	1.3	59.0	NA	NA	NA	1.9
-4.8	1.6	1.5	44.6	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	1.4
-4.4	1.5	-2.9	-41.8	NA	NA	NA	1.2
-4.3	3.1	-0.3	78.1	NA	NA	NA	1.0
-4.3	2.9	0.3	101.1	NA	NA	NA	1.1
NA	NA	-1.1	NA	NA	NA	NA	0.8
NA	NA	-2.9	NA	NA	NA	NA	0.9
NA	NA	2.2	NA	NA	NA	NA	2.0
-5.0	8.0	2.7	50.5	-4.3	1.6	22.5	1.1
NA	NA	-1.2	NA	NA	NA	NA	1.0
NA	NA	-4.7	NA	NA	NA	NA	1.0
-4.8	4.2	-1.5	52.0	-4.3	2.4	8.5	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.9	4.3	0.4	41.2	-4.2	3.3	9.6	0.9
NA	NA	3.1	NA	NA	NA	NA	2.2
-6.4	2.2	1.0	-10.0	NA	NA	NA	1.1
-6.0	2.1	0.4	87.1	-4.4	10.0	22.8	1.9
-6.0	2.2	0.0	60.6	-4.7	10.0	29.4	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.3	3.5	-0.2	-40.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	3.9	-0.4	26.4	NA	NA	NA	0.5
-4.4	1.5	-1.2	-80.0	NA	NA	NA	2.2
-4.2	3.5	1.2	-49.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.7
-4.2	2.4	-1.2	22.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.9	8.0	-0.9	-32.9	NA	NA	NA	0.5
-4.9	8.0	-0.2	77.4	NA	NA	NA	1.1
-4.9	8.0	0.0	98.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.3	6.6	-0.7	-19.9	NA	NA	NA	1.0
-4.2	3.9	-2.3	52.8	NA	NA	NA	1.1
-4.2	5.2	-1.4	62.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.8
-4.5	1.9	-6.6	-31.7	NA	NA	NA	1.6
-4.5	7.1	-0.7	49.4	NA	NA	NA	0.5
-4.5	5.0	0.6	51.9	NA	NA	NA	0.4
-4.6	1.8	2.9	38.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.1
-4.6	3.2	-0.6	77.5	NA	NA	NA	1.2
-4.5	2.3	-2.3	62.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.2
-4.1	5.6	-1.9	-25.2	NA	NA	NA	1.0
-4.6	8.0	-4.6	21.4	NA	NA	NA	1.8
-4.0	0.7	-1.8	51.0	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	1.7
NA	NA	-0.8	NA	NA	NA	NA	0.8
-4.4	8.0	0.7	32.9	NA	NA	NA	1.0
-4.4	5.9	0.3	22.3	NA	NA	NA	0.5
NA	NA	2.1	NA	NA	NA	NA	1.4
-4.1	3.3	-0.7	-67.8	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.5
-4.1	7.8	0.0	36.5	NA	NA	NA	0.5
-4.1	8.0	-5.3	-79.6	NA	NA	NA	2.0
-4.2	2.6	0.0	-56.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.3	8.0	0.8	34.5	NA	NA	NA	1.0
-4.3	8.0	0.6	-83.8	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.4	1.3	-89.6	NA	NA	NA	1.0
-5.1	1.7	0.0	56.4	-4.5	10.0	-29.4	1.0
-4.5	1.0	-1.0	96.3	NA	NA	NA	1.0
-4.4	2.8	1.2	-108.5	NA	NA	NA	1.0
-4.6	5.9	1.0	-67.7	NA	NA	NA	1.0
-5.5	1.3	-1.2	45.6	-4.8	10.0	-106.3	2.2
-5.3	3.0	-1.7	45.9	-5.0	3.5	0.0	1.2
-4.7	5.5	0.4	-101.3	NA	NA	NA	1.3
-4.4	8.0	-0.1	-75.9	NA	NA	NA	1.0
-4.5	3.8	0.2	-24.1	NA	NA	NA	1.0
-4.2	7.9	0.0	142.7	NA	NA	NA	1.0
-4.7	6.3	0.6	-87.6	NA	NA	NA	1.3
-4.3	3.9	1.2	-101.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	6.0	0.0	177.9	NA	NA	NA	0.4
-4.5	1.2	-1.6	-128.3	NA	NA	NA	1.4
-4.4	6.0	-0.3	-84.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.9	0.1	198.9	NA	NA	NA	0.9
-4.4	1.6	-2.8	-123.1	NA	NA	NA	1.6
-4.5	3.6	1.3	-84.8	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.7	-0.1	37.7	NA	NA	NA	0.3
-4.4	2.0	-3.3	-122.9	NA	NA	NA	2.0
-4.2	2.2	3.5	-115.8	NA	NA	NA	1.4
-4.2	2.0	-0.1	-25.3	NA	NA	NA	1.0
-4.1	4.2	-1.1	209.7	NA	NA	NA	1.0
-4.3	1.7	-1.9	-137.3	NA	NA	NA	1.6
-4.6	2.3	2.1	-102.8	NA	NA	NA	1.0
-4.8	1.0	-1.1	42.3	-4.6	10.0	-15.5	1.4
-5.0	2.6	-0.8	50.6	-4.4	10.0	8.7	1.0
-4.5	3.7	0.4	-124.1	NA	NA	NA	1.3
-4.5	4.2	0.6	-73.6	NA	NA	NA	1.0
-5.3	3.5	-0.8	24.4	-4.4	9.4	-129.0	1.6
-4.9	2.5	-0.3	35.1	-4.5	10.0	-7.0	1.0
-4.5	3.1	0.5	-139.6	NA	NA	NA	1.2
-4.5	8.0	1.5	-67.6	NA	NA	NA	1.2
-4.5	4.4	1.0	-35.3	NA	NA	NA	1.0
-4.5	8.0	-0.8	34.4	NA	NA	NA	1.0
-4.5	3.3	2.7	-138.5	NA	NA	NA	1.7
-4.4	6.8	-0.2	-55.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	7.0	0.4	22.0	NA	NA	NA	0.5
-4.4	8.0	1.2	-97.2	NA	NA	NA	2.0
-4.5	8.0	1.4	-83.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.0	-0.1	20.9	NA	NA	NA	0.3
-4.5	3.7	1.6	-133.6	NA	NA	NA	1.1
-4.7	3.4	0.3	-47.9	NA	NA	NA	1.0
-4.9	2.5	0.0	108.3	-4.4	9.8	36.7	1.0
-4.7	2.4	-0.1	130.2	-4.2	8.9	63.1	1.0
-4.3	4.2	1.1	-47.6	NA	NA	NA	1.0
-4.1	8.0	1.4	-79.7	NA	NA	NA	1.0
-4.1	8.0	0.2	-263.7	NA	NA	NA	1.9
-4.5	8.0	-1.6	26.6	-4.1	8.6	-5.7	0.9
-4.2	6.3	-0.3	-97.3	NA	NA	NA	1.0
-4.1	4.7	-0.1	-70.5	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.1	7.9	0.0	40.3	NA	NA	NA	0.5
-4.3	8.0	-2.6	-75.7	NA	NA	NA	1.5
-4.4	1.4	-0.6	-89.7	NA	NA	NA	1.0
-5.1	3.0	-0.9	79.7	-4.4	9.7	13.0	1.0
-5.0	2.9	-0.7	99.6	-4.1	5.5	36.8	1.0
-4.4	4.0	-1.7	-77.5	NA	NA	NA	1.0
-4.2	8.0	-1.5	-86.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.1	5.1	0.2	54.4	NA	NA	NA	0.4
-4.5	2.3	-0.5	-101.3	NA	NA	NA	1.3
-4.2	2.9	0.4	-98.2	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.6
-4.1	3.8	-0.4	142.5	NA	NA	NA	1.0
-4.1	6.5	-0.3	-120.0	NA	NA	NA	1.3
-5.1	1.2	3.3	-9.4	NA	NA	NA	1.5
-4.4	8.0	3.8	53.1	NA	NA	NA	1.4
-4.3	1.5	0.5	48.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.3
NA	NA	2.3	NA	NA	NA	NA	0.8
-4.3	1.0	0.6	60.5	NA	NA	NA	1.7
-4.4	2.1	-3.0	28.7	NA	NA	NA	1.0
NA	NA	-5.8	NA	NA	NA	NA	1.7
-6.1	1.6	0.6	-42.3	-5.2	10.0	-9.3	0.9
-6.2	0.9	-0.1	194.2	-5.1	4.7	-13.1	1.3
-6.0	1.0	-0.1	258.8	-5.2	3.2	0.4	1.1
NA	NA	-4.1	NA	NA	NA	NA	1.8
NA	NA	3.4	NA	NA	NA	NA	1.1
-6.3	2.8	-1.1	17.4	-5.1	3.1	-41.6	1.3
-6.3	4.1	-2.6	8.8	-5.1	3.3	-27.6	1.1
NA	NA	2.1	NA	NA	NA	NA	1.5
-5.7	8.0	-3.8	23.5	-4.7	9.0	-16.6	1.8
-6.8	1.9	-4.2	56.5	-5.5	1.6	-150.1	2.3
-6.9	1.6	-2.8	35.6	-5.7	3.4	-63.1	1.3
-4.8	0.6	-1.2	-104.4	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
-5.3	1.0	1.0	-63.7	NA	NA	NA	1.0
-6.1	8.0	0.3	26.2	-5.5	2.3	-7.7	0.5
-6.1	8.0	0.1	16.7	-5.5	9.3	10.5	0.4
-6.3	0.9	5.2	-56.0	NA	NA	NA	1.5
-6.8	1.7	-0.1	-52.3	-4.6	0.5	-20.7	1.3
-6.6	1.1	0.9	260.7	-5.7	3.7	-17.1	1.4
-6.5	1.5	4.0	351.1	-5.7	4.4	10.0	1.5
NA	NA	-1.8	NA	NA	NA	NA	2.1
NA	NA	-3.5	NA	NA	NA	NA	0.6
-4.4	8.0	4.1	48.2	NA	NA	NA	1.5
-4.4	8.0	3.9	49.9	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.5
-4.4	4.2	-2.9	71.4	NA	NA	NA	1.4
-4.5	3.9	-2.0	55.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
-4.7	0.9	1.1	-24.7	NA	NA	NA	1.0
-5.3	1.6	1.5	70.6	NA	NA	NA	1.3
-5.0	1.0	0.9	71.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
-4.6	5.1	-2.2	-14.8	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.6	3.9	-0.8	31.9	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.3
-4.4	6.1	-1.1	-84.3	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.2
-4.2	5.5	-0.5	157.8	NA	NA	NA	0.4
-4.4	1.5	-0.5	-125.1	NA	NA	NA	1.0
-4.6	2.5	-3.1	-56.0	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.1
-4.4	3.1	0.5	66.7	NA	NA	NA	0.9
-4.7	3.4	-2.0	-79.6	NA	NA	NA	2.2
NA	NA	-0.7	NA	NA	NA	NA	1.4
-4.5	2.7	2.3	50.0	NA	NA	NA	1.5
-4.4	2.7	1.4	48.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.8
-4.5	1.9	0.1	38.8	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	0.9
NA	NA	-2.7	NA	NA	NA	NA	1.1
-5.8	5.4	-0.6	54.1	NA	NA	NA	1.2
-5.6	2.3	1.8	65.7	NA	NA	NA	1.9
NA	NA	-1.8	NA	NA	NA	NA	1.5
-4.4	8.0	0.7	-39.0	NA	NA	NA	1.0
-5.4	3.1	-2.6	40.1	-4.7	5.3	-137.3	1.7



ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	-0.4	-38.1	NA	NA	NA	1.3
-4.8	2.6	-1.1	-98.1	NA	NA	NA	1.5
-5.7	8.0	1.4	19.7	-4.8	1.7	-19.7	1.0
-4.7	8.0	-1.1	23.7	NA	NA	NA	1.0
-4.5	4.0	-1.3	41.1	NA	NA	NA	1.0
-4.7	1.2	-0.6	-59.5	NA	NA	NA	1.4
-4.4	2.9	-1.6	-30.6	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.3	4.2	1.5	50.3	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	1.5
NA	NA	-0.8	NA	NA	NA	NA	1.0
-4.1	7.2	-0.1	56.6	NA	NA	NA	1.7
-4.1	8.0	1.2	42.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	2.0
-5.3	1.7	0.1	-13.5	NA	NA	NA	0.9
-5.4	1.4	0.7	56.1	NA	NA	NA	1.9
-4.8	1.3	0.3	78.0	-4.0	3.6	29.9	1.0
NA	NA	0.9	NA	NA	NA	NA	1.3
NA	NA	1.5	NA	NA	NA	NA	0.9
-4.1	3.0	4.9	71.5	NA	NA	NA	1.8
-4.2	2.9	0.5	22.9	NA	NA	NA	0.5
NA	NA	1.1	NA	NA	NA	NA	1.4
-5.1	8.0	-7.6	-79.1	NA	NA	NA	1.4
-5.2	8.0	0.4	54.7	-5.0	10.0	-31.3	1.0
-5.2	6.2	1.7	94.3	-5.0	9.5	48.5	1.4
-5.0	7.5	-1.2	-92.3	NA	NA	NA	1.2
-4.6	1.7	-1.9	-72.5	NA	NA	NA	1.0
-4.9	1.9	-4.6	32.4	-4.5	10.0	-147.2	1.8
-4.6	0.8	-1.8	54.0	-4.4	9.9	2.0	1.1
-4.7	4.1	-1.1	-95.4	NA	NA	NA	1.5
-4.7	2.4	-0.9	-62.6	NA	NA	NA	1.4
-4.5	8.0	-1.1	-22.5	NA	NA	NA	1.0
-4.8	2.9	-0.6	43.5	NA	NA	NA	1.0
-4.7	8.0	-0.4	-84.4	NA	NA	NA	2.0
-4.5	6.1	-0.9	-106.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	7.2	0.0	110.2	NA	NA	NA	0.4
-4.5	3.8	0.7	-134.9	NA	NA	NA	1.5
-4.5	3.3	-1.0	-78.6	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.5	4.0	-0.3	59.3	NA	NA	NA	0.9
-4.4	5.0	2.7	-102.0	NA	NA	NA	1.8
-4.9	8.0	0.5	-74.5	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.9	6.7	-0.3	21.5	NA	NA	NA	0.3
-4.9	8.0	-0.6	-96.1	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	5.8	0.9	-87.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	5.1	-1.4	54.3	NA	NA	NA	1.0
-4.4	4.0	-0.9	-118.4	NA	NA	NA	1.5
-5.2	2.2	0.9	-89.9	NA	NA	NA	1.0
-5.6	8.0	-0.1	34.1	-4.7	4.7	-34.0	1.0
-5.3	3.1	-0.7	118.3	-4.6	10.0	71.1	1.0
-5.0	3.1	3.2	-89.4	NA	NA	NA	1.3
-4.7	8.0	-1.0	-73.0	NA	NA	NA	1.2
-4.4	8.0	-0.6	-171.2	NA	NA	NA	1.7
-5.0	3.2	-0.3	28.3	-4.4	9.5	-16.1	1.0
-4.9	1.3	-1.8	-101.5	NA	NA	NA	1.8
-4.4	2.7	-1.2	-83.3	NA	NA	NA	1.0
-4.4	1.5	-2.0	-39.7	NA	NA	NA	1.0
-4.2	8.0	0.0	145.7	NA	NA	NA	1.0
-4.6	0.9	-5.6	-125.2	NA	NA	NA	2.2
-4.8	1.9	0.9	-94.4	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.4	4.8	-0.2	144.8	NA	NA	NA	0.4
-4.8	4.7	-5.6	-95.6	NA	NA	NA	1.8
-4.7	1.9	1.1	-94.0	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.3
-4.4	2.8	-0.8	151.8	NA	NA	NA	0.9
-4.7	1.0	-1.1	-108.9	NA	NA	NA	1.5
-4.7	2.4	-1.4	-82.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	2.2	0.2	36.5	NA	NA	NA	0.3
-4.7	3.6	-3.3	-95.5	NA	NA	NA	1.5
-4.6	1.4	-0.2	-97.1	NA	NA	NA	1.0
-4.6	8.0	0.2	-19.3	NA	NA	NA	1.0
-4.3	1.8	0.3	288.5	NA	NA	NA	1.0
-4.6	8.0	-1.1	-92.0	NA	NA	NA	1.6
NA	NA	0.5	NA	NA	NA	NA	0.7
-4.6	1.9	2.0	44.3	NA	NA	NA	1.0
-4.6	1.7	0.1	53.6	NA	NA	NA	1.0
NA	NA	3.8	NA	NA	NA	NA	1.8
-4.9	1.9	0.4	-103.1	NA	NA	NA	1.0
-5.7	1.6	-2.5	31.3	-5.2	10.0	-36.1	1.2
-5.6	2.7	-2.5	36.7	-5.3	10.0	-5.2	1.0
-5.1	4.4	1.8	-97.8	NA	NA	NA	1.0
-5.5	8.0	0.1	-79.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-5.4	5.6	0.0	98.5	-4.7	10.0	73.6	0.4
-5.8	2.8	-1.5	-96.7	NA	NA	NA	1.2
-4.6	4.4	0.5	-50.6	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	2.6	-0.7	76.6	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.7
-4.8	8.0	0.4	-61.2	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.2
-4.8	8.0	-1.0	76.4	NA	NA	NA	1.2
-4.8	8.0	1.5	-66.4	NA	NA	NA	1.2
-5.2	3.3	-1.4	-17.4	NA	NA	NA	1.3
-5.5	1.3	0.4	122.0	-4.6	10.0	39.9	2.4
-5.5	2.1	0.7	88.1	-4.3	1.9	23.2	1.2
-4.5	5.7	2.2	-81.6	NA	NA	NA	2.1
NA	NA	-1.0	NA	NA	NA	NA	0.7
-5.1	3.9	2.5	47.9	-4.5	8.1	-127.3	1.5
-5.0	1.9	2.2	52.3	-4.0	8.8	-98.4	1.2
-4.7	8.0	-0.9	-42.1	NA	NA	NA	2.0
-4.5	3.1	-1.1	-47.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	3.8	0.5	14.6	NA	NA	NA	0.4
NA	NA	-0.3	NA	NA	NA	NA	1.6
-4.7	3.4	-1.4	-33.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	2.1	0.4	31.6	NA	NA	NA	0.9
NA	NA	0.3	NA	NA	NA	NA	2.4
-4.3	8.0	0.7	-47.4	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.4
-4.1	5.6	0.7	31.6	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.5
-4.6	1.4	0.7	-41.0	NA	NA	NA	1.0
-5.3	8.0	1.3	42.0	-4.4	2.1	-44.9	2.1
-5.0	1.9	-0.5	35.9	NA	NA	NA	1.1
NA	NA	-2.1	NA	NA	NA	NA	1.4
NA	NA	1.5	NA	NA	NA	NA	1.6
-4.7	8.0	2.3	49.0	NA	NA	NA	1.5
-4.5	2.5	-0.4	25.5	NA	NA	NA	0.9
NA	NA	-0.9	NA	NA	NA	NA	1.7
-4.6	2.4	-2.5	-76.8	NA	NA	NA	1.6
-5.2	2.1	-3.4	29.5	-4.6	10.0	-7.5	1.5
-5.1	2.4	-1.5	41.4	NA	NA	NA	1.5
-4.6	1.9	0.4	-83.9	NA	NA	NA	1.0
-4.6	8.0	0.7	-45.3	NA	NA	NA	1.2
-4.4	4.5	1.2	-75.2	NA	NA	NA	1.1
-4.4	5.3	0.9	53.7	NA	NA	NA	1.0
NA	NA	-6.0	NA	NA	NA	NA	2.1
-4.9	2.9	0.5	-30.5	NA	NA	NA	1.1
NA	NA	0.4	NA	NA	NA	NA	0.5
-4.7	1.6	-0.7	18.3	NA	NA	NA	1.0
NA	NA	-11.2	NA	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	1.3	-52.9	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	0.1
-4.4	7.7	-0.7	26.7	NA	NA	NA	0.9
-4.4	8.0	-3.9	-81.7	NA	NA	NA	2.1
-5.4	8.0	0.6	-9.0	NA	NA	NA	1.0
-5.7	3.4	-1.1	41.7	-4.7	9.7	4.9	1.0
-5.6	2.6	-1.4	43.2	-4.6	9.3	5.4	1.1
NA	NA	1.1	NA	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.5	1.3	0.4	41.2	NA	NA	NA	1.0
-4.5	1.2	0.3	30.9	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.1
-5.4	1.1	1.3	-10.7	NA	NA	NA	1.1
-5.3	8.0	0.6	46.4	NA	NA	NA	2.0
-5.1	0.9	-0.3	36.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	2.0
-4.7	6.0	0.4	-31.0	NA	NA	NA	1.0
-4.5	8.0	2.1	54.0	NA	NA	NA	1.7
-4.5	8.0	1.1	71.1	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	1.0
-5.8	2.2	-0.6	-17.4	NA	NA	NA	1.0
-5.5	4.5	-2.0	114.4	-5.0	10.0	7.2	1.8
-5.6	3.2	-1.0	103.2	-5.0	10.0	24.0	1.3
NA	NA	0.3	NA	NA	NA	NA	1.4
-5.0	2.6	-0.9	-40.1	NA	NA	NA	1.0
-5.0	3.8	-1.2	104.1	-4.7	10.0	-20.3	1.0
-4.8	2.0	-0.9	104.0	-4.6	10.0	3.4	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	0.9
-4.5	2.4	0.3	48.9	NA	NA	NA	1.0
-4.5	2.8	0.2	38.4	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.7
NA	NA	-0.3	NA	NA	NA	NA	0.9
-4.3	1.6	3.2	119.6	NA	NA	NA	1.5
-4.4	3.1	0.4	79.2	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	0.8
-4.4	1.5	-0.1	-57.0	NA	NA	NA	1.0
-4.9	1.4	-0.6	42.7	-4.1	9.0	3.8	1.1
-4.9	1.4	-0.5	45.6	NA	NA	NA	1.0
NA	NA	-5.1	NA	NA	NA	NA	1.3
-6.1	0.9	3.0	-21.3	NA	NA	NA	1.0
-5.7	0.9	1.2	78.7	-4.1	4.4	26.6	1.9
-5.7	1.1	-0.9	73.1	-4.1	10.0	45.0	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.5
NA	NA	0.8	NA	NA	NA	NA	1.3
-4.5	2.6	2.2	111.4	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.0	-0.1	78.1	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.7
-5.1	1.2	2.4	-63.5	NA	NA	NA	1.0
-5.5	3.3	-0.3	87.2	-4.7	9.2	23.4	1.0
-5.5	3.3	-1.0	108.2	-4.5	8.0	48.5	1.0
-4.7	4.2	1.8	-61.5	NA	NA	NA	1.0
-4.4	8.0	2.6	-72.6	NA	NA	NA	1.2
-4.9	4.0	-0.3	71.0	-4.4	10.0	-26.8	1.9
-4.9	8.0	-1.5	48.8	-4.5	1.1	2.8	1.0
-4.5	2.7	-1.7	-128.9	NA	NA	NA	1.8
-4.5	4.8	-0.7	-55.0	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.3
-4.5	5.4	0.3	50.7	NA	NA	NA	1.0
-4.5	4.0	1.8	-78.2	NA	NA	NA	1.7
-4.5	5.5	0.7	-103.5	NA	NA	NA	1.0
-5.3	2.5	0.1	13.4	-4.9	5.6	0.2	0.5
-4.4	3.9	0.1	100.5	NA	NA	NA	0.4
-5.0	2.4	-0.5	-104.3	NA	NA	NA	1.5
-4.5	5.2	-0.3	-88.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.4
-4.4	5.3	-0.1	184.6	NA	NA	NA	0.5
-4.5	3.2	3.8	-133.6	NA	NA	NA	1.7
-4.8	5.5	0.6	-15.9	NA	NA	NA	1.0
-4.5	0.9	0.2	80.7	NA	NA	NA	2.0
-4.8	1.8	-0.8	49.9	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.7
-4.6	1.7	-1.2	109.6	NA	NA	NA	1.2
-4.6	2.0	0.0	75.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.1
-5.0	1.8	-1.1	-75.1	NA	NA	NA	1.0
-5.3	2.0	-1.9	116.6	-4.9	4.5	-31.1	1.3
-5.2	1.6	-1.2	127.6	-5.0	10.0	45.8	1.4
-4.6	6.9	-1.7	-91.4	NA	NA	NA	1.0
-4.5	3.1	0.2	-63.4	NA	NA	NA	1.0
-4.8	7.9	1.5	64.0	-4.4	9.0	-245.2	1.8
-5.1	8.0	1.1	33.5	-4.9	1.1	-21.6	1.2
-4.5	8.0	-0.2	-96.4	NA	NA	NA	1.1
-4.2	5.0	-2.2	-94.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.6	0.3	117.8	NA	NA	NA	0.4
-4.4	4.0	-0.5	-103.0	NA	NA	NA	1.1
-4.4	8.0	1.5	-36.1	NA	NA	NA	1.6
-4.5	3.8	0.2	12.1	NA	NA	NA	1.0
-4.3	4.1	-0.4	82.7	NA	NA	NA	0.9
-4.4	1.0	-1.2	-58.6	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.1	-1.6	-94.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	8.0	0.0	31.5	NA	NA	NA	0.3
-4.5	3.7	-0.4	-101.0	NA	NA	NA	1.4
-4.8	1.3	-0.9	-63.0	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.0
-4.5	2.1	2.1	26.7	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.1
-5.0	1.3	-2.3	-49.2	NA	NA	NA	1.2
NA	NA	-2.0	NA	NA	NA	NA	0.9
-4.7	1.0	0.4	33.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-4.5	1.9	0.2	-60.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	1.6	-0.2	23.4	NA	NA	NA	0.4
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.6	1.6	-2.2	-44.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	1.5	1.0	28.5	NA	NA	NA	0.9
NA	NA	3.4	NA	NA	NA	NA	1.6
-4.6	8.0	2.0	-15.6	NA	NA	NA	1.0
-5.0	1.3	1.5	50.2	NA	NA	NA	1.9
-4.7	1.1	-1.8	50.1	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	1.6
-4.3	3.1	1.4	-84.4	NA	NA	NA	1.0
-5.0	2.6	-0.3	21.3	-4.5	9.9	-14.5	1.1
-4.4	1.6	-0.9	47.3	NA	NA	NA	1.1
-4.4	4.0	0.2	-70.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.1	5.3	-1.0	51.9	NA	NA	NA	1.6
-4.4	4.1	-2.3	50.0	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.1
NA	NA	1.8	NA	NA	NA	NA	0.9
-4.3	1.4	1.4	73.6	NA	NA	NA	1.3
-4.3	1.4	-0.3	32.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.2	2.3	-0.5	97.1	NA	NA	NA	2.0
-4.2	1.6	-0.8	58.8	NA	NA	NA	1.5
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.6	2.3	-1.9	-25.9	NA	NA	NA	1.0
-4.6	7.6	8.9	44.7	NA	NA	NA	1.5
-4.6	4.9	5.8	56.4	NA	NA	NA	1.3
NA	NA	0.8	NA	NA	NA	NA	0.6
-5.7	2.5	-1.0	-68.8	NA	NA	NA	1.2
-6.3	3.8	2.6	74.9	-5.8	10.0	-31.9	1.4

ga	gw	zr	tp	la	lw	bt	er
-6.3	4.4	2.1	84.8	-5.9	10.0	17.2	1.9
-5.2	8.0	-0.6	-86.6	-4.9	9.9	-57.5	1.4
-4.1	8.0	1.0	-26.0	NA	NA	NA	1.5
-4.8	8.0	-1.7	41.3	-4.2	2.8	-125.0	1.8
-4.5	8.0	-0.4	-90.2	NA	NA	NA	1.4
-4.6	3.7	-4.7	-96.7	NA	NA	NA	2.0
-4.4	5.4	0.2	-71.8	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.1	-0.1	111.3	NA	NA	NA	0.4
-4.6	1.9	-0.4	-100.1	NA	NA	NA	1.1
-4.3	2.0	-0.8	-39.5	NA	NA	NA	1.8
-6.4	3.0	0.3	47.4	-5.8	10.0	5.4	1.0
-6.4	2.3	-0.5	32.4	-5.8	10.0	6.8	1.1
-6.2	8.0	-1.8	-59.2	-5.2	1.6	6.1	1.7
-4.5	8.0	1.3	-15.0	NA	NA	NA	1.0
-4.5	1.2	0.1	46.7	-4.1	10.0	2.4	1.0
-4.5	3.6	-0.2	32.3	-4.0	10.0	-5.9	1.0
NA	NA	1.8	NA	NA	NA	NA	1.2
-5.6	0.8	1.0	-79.7	NA	NA	NA	1.2
-6.2	1.4	-0.6	91.3	-5.7	6.3	-28.6	1.0
-6.3	2.4	-0.3	93.4	-5.8	10.0	19.8	1.9
-5.3	8.0	-0.6	-87.7	NA	NA	NA	1.9
NA	NA	-1.4	NA	NA	NA	NA	1.1
-5.1	5.0	1.4	51.9	-4.6	10.0	-159.6	1.9
-5.1	3.9	0.9	32.7	-4.6	10.0	-78.6	1.0
-4.5	2.3	-1.4	-91.6	NA	NA	NA	1.8
-6.0	4.3	0.7	15.7	NA	NA	NA	1.7
-6.1	7.3	0.0	-6.0	NA	NA	NA	1.0
-6.0	3.5	-0.4	-13.6	-4.4	10.0	46.7	0.7
-4.6	0.6	3.7	-114.4	NA	NA	NA	1.9
-4.6	2.6	1.0	-79.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	3.4	-0.3	68.0	NA	NA	NA	0.4
-4.5	3.3	0.9	-100.1	NA	NA	NA	1.2
-4.3	0.6	-1.4	-53.5	NA	NA	NA	1.4
-6.6	5.1	-0.3	49.6	-6.1	9.3	4.7	1.0
-4.1	0.4	-0.8	42.0	NA	NA	NA	1.2
-6.1	4.6	-0.5	-54.7	-5.6	9.9	-2.2	2.2
-4.6	0.7	3.2	-86.7	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	0.1
-4.1	1.3	-0.1	21.2	NA	NA	NA	0.3
-4.4	3.4	2.9	-81.4	NA	NA	NA	1.6
-4.5	2.8	1.1	-19.0	NA	NA	NA	1.0
-4.7	1.3	0.5	41.2	-4.2	10.0	-0.2	1.0
-4.8	1.9	0.0	30.2	-4.0	2.7	-10.2	1.0
NA	NA	0.9	NA	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.0	-0.2	24.3	NA	NA	NA	0.8
-4.7	5.9	1.8	94.3	-4.4	10.0	38.7	1.4
-4.9	2.4	0.4	22.1	-4.2	5.6	-15.4	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	0.6
-4.6	8.0	0.5	38.8	NA	NA	NA	1.8
-4.5	2.8	0.6	45.8	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.6
-4.3	1.9	0.9	67.9	NA	NA	NA	1.4
-4.3	2.1	0.4	71.1	NA	NA	NA	1.3
NA	NA	0.7	NA	NA	NA	NA	0.8
NA	NA	0.6	NA	NA	NA	NA	0.8
-4.2	2.2	0.9	74.8	NA	NA	NA	1.4
-4.2	3.2	-1.0	50.3	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.3
-4.9	1.6	0.8	-32.4	NA	NA	NA	1.1
-5.1	1.7	1.0	71.4	NA	NA	NA	1.9
-4.9	1.9	0.0	85.2	NA	NA	NA	1.7
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.4	1.6	0.1	-72.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.5	2.7	-0.3	21.9	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.6
NA	NA	-0.4	NA	NA	NA	NA	0.4
-4.2	1.1	1.1	98.9	NA	NA	NA	1.9
-4.3	1.6	1.0	76.0	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.4
-5.8	1.4	0.9	-25.6	-4.6	9.9	8.8	1.1
-5.4	1.2	1.0	93.4	-4.6	9.5	-78.2	1.8
-5.4	1.2	0.2	95.3	-4.6	10.0	-13.5	1.1
-4.4	8.0	1.4	-107.5	NA	NA	NA	1.6
-4.6	3.4	-1.4	-100.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	4.0	0.2	80.1	NA	NA	NA	0.4
-4.7	2.8	0.5	-118.7	NA	NA	NA	1.0
-4.8	3.0	0.4	-17.4	NA	NA	NA	1.0
-4.5	2.2	0.0	51.4	NA	NA	NA	1.0
-4.5	2.3	-0.1	53.2	NA	NA	NA	0.9
NA	NA	-0.5	NA	NA	NA	NA	1.5
-4.5	3.9	1.4	-79.1	NA	NA	NA	1.0
-4.8	3.8	0.3	34.7	-4.5	10.0	-7.4	1.0
-4.5	1.8	0.1	102.0	NA	NA	NA	1.0
-4.4	4.0	0.3	-106.6	NA	NA	NA	1.6
-5.0	4.3	0.7	-19.9	NA	NA	NA	1.2
-5.0	2.1	-1.8	50.2	NA	NA	NA	1.6



ga	gw	zr	tp	la	lw	bt	er
-4.8	1.7	-1.0	70.1	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	2.3
-4.8	2.7	0.0	-34.0	NA	NA	NA	1.0
-4.8	2.6	0.2	68.8	NA	NA	NA	1.3
-4.8	3.2	0.2	79.9	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.9
-5.0	2.2	-3.6	40.2	NA	NA	NA	1.2
-4.8	2.0	-1.1	43.6	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.4
-5.1	8.0	1.2	-32.2	-4.1	4.3	-0.8	0.5
-5.0	3.2	-1.4	127.2	-4.5	9.0	-26.1	1.2
-5.0	4.6	-1.2	125.7	-4.6	10.0	-10.0	1.1
NA	NA	0.1	NA	NA	NA	NA	0.9
-7.5	8.0	-0.7	-12.6	NA	NA	NA	1.2
-7.2	2.6	-0.3	89.0	-6.7	3.1	-12.5	1.0
-7.2	2.9	0.2	80.7	-6.6	4.1	-2.8	1.0
NA	NA	-4.3	NA	NA	NA	NA	1.9
NA	NA	-1.5	NA	NA	NA	NA	1.2
-4.8	5.4	0.2	35.8	NA	NA	NA	1.9
-4.6	3.3	0.9	28.6	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.3
-5.1	7.5	1.0	-84.7	NA	NA	NA	1.0
-5.6	4.2	-0.6	32.3	-5.0	10.0	-31.9	1.1
-4.8	1.1	-1.0	94.9	NA	NA	NA	1.1
-5.0	7.4	-0.1	-97.4	NA	NA	NA	1.1
-4.8	8.0	1.4	-70.6	NA	NA	NA	1.0
-5.1	8.0	1.7	39.0	-4.7	9.2	-106.2	1.3
-5.1	8.0	0.0	-35.4	-4.5	4.6	-1.4	0.8
-4.9	7.1	1.0	-100.5	NA	NA	NA	2.0
-4.7	2.7	2.6	-84.2	NA	NA	NA	1.2
-5.0	8.0	0.1	-22.9	-4.5	0.6	-7.6	0.5
-4.5	3.2	-0.6	107.0	NA	NA	NA	1.0
-5.0	2.8	0.0	-97.6	NA	NA	NA	1.5
-4.8	5.5	1.4	-90.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.5	3.6	0.0	149.3	NA	NA	NA	0.4
-4.9	8.0	1.9	-114.0	-4.4	10.0	-90.8	0.7
-4.8	3.2	2.3	-81.5	NA	NA	NA	1.7
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.6	3.6	-0.2	92.1	NA	NA	NA	0.9
-5.1	2.9	1.7	-90.2	NA	NA	NA	1.7
-4.8	5.7	1.7	-82.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	3.0	-0.1	43.1	NA	NA	NA	0.3
-4.9	8.0	-0.6	-103.3	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.6	8.0	1.7	-82.4	NA	NA	NA	1.1
-4.7	7.4	0.3	-15.9	NA	NA	NA	1.0
-4.4	3.8	0.1	211.0	NA	NA	NA	1.0
-4.4	3.4	-0.3	-127.6	NA	NA	NA	1.3
-5.0	1.7	1.4	-15.4	NA	NA	NA	1.0
-4.8	2.0	-3.9	105.5	-4.1	10.0	65.9	1.5
-4.8	2.8	-2.0	70.8	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.0
-4.9	2.7	-0.2	-16.6	NA	NA	NA	1.0
-5.0	1.6	-3.1	95.1	NA	NA	NA	1.4
-4.9	1.7	-0.9	80.8	NA	NA	NA	1.0
NA	NA	3.4	NA	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.9	1.5	0.9	21.9	NA	NA	NA	2.0
NA	NA	4.3	NA	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.2
-4.3	6.9	0.3	-79.6	NA	NA	NA	1.0
-4.2	6.4	-2.6	-37.2	NA	NA	NA	1.0
-4.2	8.0	-1.3	51.2	NA	NA	NA	1.0
-4.4	8.0	-0.3	-92.2	NA	NA	NA	1.0
-4.1	6.6	-1.8	-61.0	NA	NA	NA	1.0
-4.1	8.0	-1.1	-225.9	NA	NA	NA	1.7
-4.4	8.0	-0.3	34.4	-4.2	10.0	-14.5	1.1
-4.2	2.9	-4.4	-125.1	NA	NA	NA	1.5
-4.2	3.4	-0.5	-107.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	4.6	-0.1	174.6	NA	NA	NA	0.9
-4.6	2.7	-0.1	-106.4	NA	NA	NA	1.8
-4.4	8.0	-0.7	-69.2	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	6.8	0.0	34.6	NA	NA	NA	0.3
-4.2	7.3	-1.1	-124.5	NA	NA	NA	1.0
-4.1	6.1	1.4	-99.4	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.1	8.0	0.0	97.8	NA	NA	NA	0.5
-4.2	3.2	3.6	-114.8	NA	NA	NA	1.2
-4.7	1.3	0.7	556.1	NA	NA	NA	1.8
-4.5	1.0	1.1	113.1	NA	NA	NA	1.8
-5.2	1.0	0.7	-91.3	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.4	1.0	1.6	763.3	NA	NA	NA	1.8
-4.4	1.0	-0.6	21.4	NA	NA	NA	1.0
-4.9	0.6	0.3	-71.2	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.8
-4.5	1.8	-1.5	190.7	NA	NA	NA	1.0
-4.4	1.1	-0.1	14.5	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-4.8	-68.9	NA	NA	NA	1.6
-4.9	1.0	3.0	246.4	NA	NA	NA	2.4
-4.4	1.0	1.1	24.7	NA	NA	NA	1.0
-4.8	0.7	-0.1	-33.4	NA	NA	NA	0.9
NA	NA	4.4	NA	NA	NA	NA	1.9
-4.6	0.8	-0.2	294.5	NA	NA	NA	1.8
-5.8	1.0	0.0	8.2	NA	NA	NA	1.0
-5.2	1.0	-0.7	-37.9	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	2.3
-6.1	2.9	1.4	-28.8	NA	NA	NA	1.0
-6.1	1.9	0.4	104.1	NA	NA	NA	1.5
-6.0	2.0	-1.2	112.4	NA	NA	NA	1.5
-5.0	0.6	-0.6	30.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.2
-4.4	1.1	0.5	90.4	NA	NA	NA	1.8
-4.3	2.3	1.5	48.6	NA	NA	NA	1.0
NA	NA	-3.9	NA	NA	NA	NA	2.0
-4.4	8.0	0.9	-91.5	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	0.1
-4.3	8.0	-0.7	78.6	NA	NA	NA	1.0
-4.6	8.0	2.8	-90.0	NA	NA	NA	1.6
-5.1	1.6	1.0	-44.6	NA	NA	NA	1.0
-5.4	3.8	0.4	80.3	-4.4	9.9	22.6	1.3
-5.2	2.8	-0.1	108.7	-4.2	10.0	69.3	1.2
-4.3	3.0	-0.1	-84.0	NA	NA	NA	1.3
-4.1	3.9	0.3	-79.1	NA	NA	NA	1.0
-4.6	3.6	-1.1	49.2	-4.1	10.0	-132.4	2.0
-4.5	7.3	0.0	44.9	-4.3	9.6	2.0	1.3
-4.3	3.1	-0.5	-104.8	NA	NA	NA	1.4
-4.2	5.7	-0.3	-62.0	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.3
-4.2	4.7	0.0	58.4	NA	NA	NA	1.0
-4.2	3.7	-0.7	-90.5	NA	NA	NA	1.7
-4.3	4.7	1.0	-91.0	NA	NA	NA	1.0
-5.3	4.9	0.2	6.4	-4.6	9.8	0.4	0.5
-4.2	4.0	0.1	86.5	NA	NA	NA	0.4
-4.8	1.7	0.0	-100.5	NA	NA	NA	1.5
-4.1	3.5	-0.1	-49.6	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	5.6	0.0	31.0	NA	NA	NA	0.5
-4.3	3.1	-2.6	-82.1	NA	NA	NA	2.0
-4.2	3.1	0.5	-97.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.5
-4.1	6.0	-0.4	260.8	NA	NA	NA	1.0
-4.3	3.6	0.7	-107.9	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-5.0	1.6	0.8	-51.0	NA	NA	NA	1.1
-5.3	3.4	0.7	83.3	-4.5	10.0	18.1	1.6
-5.2	3.9	0.4	100.4	-4.1	10.0	37.6	1.5
-4.3	2.1	0.3	-78.2	NA	NA	NA	1.4
-4.3	8.0	-0.1	-68.3	NA	NA	NA	1.0
-4.6	7.7	1.4	50.4	-4.3	10.0	-93.8	1.7
-4.5	8.0	0.5	43.0	-4.2	3.9	1.4	1.0
-4.1	3.7	-1.1	-130.0	NA	NA	NA	1.6
-4.3	4.9	-0.6	-41.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.2	4.4	0.1	51.9	NA	NA	NA	1.0
-4.3	2.6	-1.7	-92.9	NA	NA	NA	1.8
-4.3	3.3	0.5	-109.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	3.3	0.1	120.8	NA	NA	NA	0.4
-4.8	2.7	-0.9	-95.3	NA	NA	NA	1.4
-4.3	8.0	-0.4	-83.7	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.0	4.3	0.1	138.0	NA	NA	NA	0.5
-4.2	3.2	-1.0	-106.9	NA	NA	NA	2.1
-4.1	3.8	-0.9	-107.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	7.5	-0.1	235.1	NA	NA	NA	1.0
-4.2	3.0	-0.2	-132.2	NA	NA	NA	1.3
-4.8	1.2	-0.6	-62.8	NA	NA	NA	1.0
-5.3	3.3	1.0	76.9	-4.5	10.0	15.6	1.6
-5.2	3.4	1.4	129.6	-4.5	2.5	77.2	1.7
-4.3	2.2	0.6	-86.3	NA	NA	NA	1.1
-4.1	7.4	0.1	-69.6	NA	NA	NA	1.0
-4.6	2.5	-2.3	55.0	-4.1	10.0	-101.4	1.7
-4.6	8.0	-0.5	18.4	NA	NA	NA	1.0
-4.1	5.9	0.9	-142.0	NA	NA	NA	1.1
-4.2	4.8	0.5	-86.9	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.3
-4.2	6.7	-0.6	146.0	NA	NA	NA	1.0
-4.3	2.6	-1.3	-123.3	NA	NA	NA	2.0
-4.2	3.6	-0.5	-111.5	NA	NA	NA	1.0
-5.4	8.0	-0.1	3.3	NA	NA	NA	0.5
-4.2	5.2	0.2	196.4	NA	NA	NA	0.4
-4.8	2.2	0.9	-102.3	NA	NA	NA	1.0
-4.2	4.7	0.1	-86.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.5	0.3	25.7	NA	NA	NA	0.3
-4.2	3.6	-1.2	-118.7	NA	NA	NA	1.5
-4.2	2.8	-0.2	-111.1	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	0.9

ga	gw	zr	tp	la	lw	bt	er
-4.1	6.0	-0.3	277.3	NA	NA	NA	1.0
-4.1	3.7	1.0	-134.7	NA	NA	NA	1.9
-4.7	4.3	0.3	-79.8	NA	NA	NA	1.0
-5.4	4.5	2.3	18.3	-4.5	9.2	-32.7	1.3
-4.8	3.6	2.5	65.9	NA	NA	NA	1.2
-4.6	2.7	0.4	-99.1	NA	NA	NA	1.0
-4.2	5.1	1.7	-105.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.9	-0.2	76.1	NA	NA	NA	0.4
-4.3	5.0	0.6	-109.7	NA	NA	NA	1.0
-4.4	7.5	0.2	-76.2	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	3.8	-0.3	23.4	NA	NA	NA	0.3
-4.2	4.1	0.3	-138.6	NA	NA	NA	1.5
-4.2	2.2	0.0	-107.3	NA	NA	NA	1.0
-4.2	2.0	0.1	-28.3	NA	NA	NA	1.0
-4.2	4.4	0.0	180.4	NA	NA	NA	1.0
-4.2	2.9	4.2	-135.2	NA	NA	NA	2.0
-5.0	3.5	-1.7	-81.9	NA	NA	NA	1.0
-4.7	8.0	0.0	-28.1	NA	NA	NA	1.1
-4.8	1.8	0.5	79.9	NA	NA	NA	1.2
-4.8	4.1	-0.5	-92.9	NA	NA	NA	1.0
-4.5	5.2	-0.8	-62.1	NA	NA	NA	1.0
-4.4	8.0	-2.9	-143.2	NA	NA	NA	2.0
-4.7	8.0	0.5	32.0	-4.3	4.9	-10.2	1.0
-4.5	5.0	1.3	-99.3	NA	NA	NA	1.3
-4.5	5.3	0.3	-65.5	NA	NA	NA	1.2
-4.7	4.3	-0.3	-19.4	NA	NA	NA	1.0
-4.4	8.0	-0.5	73.2	NA	NA	NA	1.0
-4.7	8.0	-2.7	-92.4	NA	NA	NA	1.7
-4.7	8.0	-1.1	-85.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	8.0	0.2	134.5	NA	NA	NA	0.5
-4.7	8.0	1.1	-100.2	NA	NA	NA	1.1
-4.5	4.5	-2.4	-54.8	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.4	2.8	-0.2	56.8	NA	NA	NA	0.9
-4.6	3.4	0.6	-102.7	NA	NA	NA	1.1
-4.7	8.0	-0.9	-75.4	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	4.4	0.0	21.9	NA	NA	NA	0.3
-4.7	6.5	0.8	-97.6	NA	NA	NA	1.1
-4.3	3.2	0.9	-92.8	NA	NA	NA	1.0
-4.4	8.0	0.5	-25.3	NA	NA	NA	1.0
-4.1	3.3	-0.1	155.4	NA	NA	NA	1.0
-4.4	4.1	-1.4	-94.5	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.8	3.0	0.7	-91.0	-4.2	7.9	-59.5	0.5
-4.6	8.0	0.3	-28.7	-4.1	10.0	1.3	1.1
-5.0	3.3	-0.6	46.3	NA	NA	NA	1.0
-4.8	3.6	1.4	-92.2	-4.2	9.0	-45.8	1.2
-4.5	2.5	0.4	-64.0	NA	NA	NA	1.0
-4.8	2.8	2.3	35.3	-4.3	9.3	-85.4	1.3
-4.7	3.7	0.9	84.8	-4.3	10.0	10.1	1.0
-4.2	2.0	2.6	-136.7	NA	NA	NA	1.5
-4.5	2.5	-0.6	-72.0	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	2.9	0.6	84.6	NA	NA	NA	0.9
-4.7	2.8	1.5	-93.2	NA	NA	NA	1.9
-4.7	4.1	1.5	-82.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	2.6	-0.1	34.4	NA	NA	NA	0.3
-4.7	6.1	2.3	-103.6	NA	NA	NA	1.4
-4.5	6.5	0.8	-68.8	NA	NA	NA	1.0
-4.5	8.0	-0.1	-25.4	NA	NA	NA	1.0
-4.3	2.5	0.9	94.0	NA	NA	NA	1.0
-4.5	6.6	0.2	-96.2	NA	NA	NA	1.8
-6.0	0.9	-2.5	-23.1	NA	NA	NA	1.1
-5.6	0.6	-4.9	102.2	NA	NA	NA	2.0
-5.8	0.8	0.5	95.1	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.3
-4.5	0.8	0.9	-32.0	NA	NA	NA	1.0
-5.4	7.0	2.5	88.7	-5.2	2.1	30.9	1.9
-5.2	4.7	0.5	77.9	-4.7	9.1	49.9	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.6
-4.2	7.2	0.4	-53.5	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.1	4.6	-0.8	20.5	NA	NA	NA	0.5
-4.2	4.9	1.4	-78.1	NA	NA	NA	2.0
-4.5	1.8	-3.8	-58.8	NA	NA	NA	1.2
-5.0	3.1	-1.9	72.5	-4.3	4.4	16.6	1.5
-4.9	2.4	0.5	101.4	NA	NA	NA	1.0
-4.3	3.0	-7.5	-49.8	NA	NA	NA	2.3
NA	NA	-0.1	NA	NA	NA	NA	0.3
-4.5	1.4	-0.7	97.9	NA	NA	NA	1.1
-4.5	1.5	-0.5	77.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.5	8.0	2.1	37.2	NA	NA	NA	1.0
-4.2	1.8	-1.8	338.1	NA	NA	NA	1.8
-4.4	1.7	-1.4	80.2	NA	NA	NA	1.0
NA	NA	5.0	NA	NA	NA	NA	1.1
-4.3	5.6	0.7	22.0	NA	NA	NA	1.0
-4.2	0.9	0.5	182.5	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	0.9	-0.3	114.4	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	2.2
-4.3	4.0	-0.4	13.1	NA	NA	NA	1.0
-4.2	1.3	0.2	91.7	NA	NA	NA	0.5
-4.4	1.8	0.2	50.8	NA	NA	NA	0.4
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.6	1.4	-0.3	20.5	NA	NA	NA	1.3
-4.5	1.1	0.5	244.1	NA	NA	NA	1.0
-4.4	1.3	0.8	167.8	NA	NA	NA	0.9
NA	NA	9.0	NA	NA	NA	NA	2.1
-4.3	8.0	0.1	19.1	NA	NA	NA	1.0
-4.4	5.8	0.4	55.6	NA	NA	NA	0.5
-4.3	3.5	0.4	25.6	NA	NA	NA	0.3
NA	NA	1.3	NA	NA	NA	NA	1.5
-4.3	1.2	2.7	16.6	NA	NA	NA	1.0
-4.1	0.8	0.7	224.1	NA	NA	NA	1.0
-4.2	0.9	-0.4	102.3	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.8
NA	NA	-0.8	NA	NA	NA	NA	0.7
-4.6	1.5	0.3	53.0	NA	NA	NA	1.0
-4.7	3.1	1.5	30.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.1
-5.0	2.4	-0.1	-68.6	NA	NA	NA	1.0
-5.4	4.9	0.0	23.4	-4.7	10.0	-20.1	1.0
-4.9	2.9	1.7	150.9	-4.7	6.5	41.1	1.0
-4.5	4.4	2.4	-79.6	NA	NA	NA	1.0
-5.1	1.2	-0.1	-44.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.8	1.1	0.0	36.2	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.7
-4.7	3.2	-1.1	-76.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	3.2	0.2	57.9	NA	NA	NA	0.4
-4.6	2.0	-4.8	-113.9	NA	NA	NA	2.1
-4.6	1.8	-0.6	-76.6	NA	NA	NA	1.0
-5.2	3.1	-0.1	27.7	NA	NA	NA	1.0
-4.7	1.8	0.0	106.5	NA	NA	NA	0.9
-4.4	8.0	-7.7	-75.7	NA	NA	NA	1.7
-4.9	8.0	-1.8	-33.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.2
-4.8	7.7	-0.4	26.3	NA	NA	NA	0.5
NA	NA	-3.7	NA	NA	NA	NA	2.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.7	1.3	-1.2	99.2	NA	NA	NA	1.7
-5.1	2.0	-0.2	59.9	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.6	NA	NA	NA	NA	0.8
-4.5	3.0	1.3	62.4	NA	NA	NA	1.5
NA	NA	1.5	NA	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.4	1.3	-5.1	57.5	NA	NA	NA	1.5
-4.6	2.0	-2.0	36.6	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	0.8
-4.5	2.8	2.9	92.7	NA	NA	NA	1.3
-4.5	2.6	0.9	78.7	NA	NA	NA	1.0
NA	NA	3.1	NA	NA	NA	NA	1.1
-5.1	6.3	0.6	-40.7	NA	NA	NA	1.0
-5.1	8.0	1.1	140.8	-4.7	10.0	-38.9	1.0
-4.9	2.9	0.4	208.6	-4.7	10.0	-7.7	1.0
-4.3	2.3	-4.8	-100.6	NA	NA	NA	2.0
-4.9	2.0	4.7	-61.3	NA	NA	NA	1.4
-5.7	5.8	0.4	176.7	-4.7	1.5	-232.3	2.3
-5.5	8.0	-3.3	100.9	-5.1	3.0	-12.1	1.5
-5.3	0.7	1.4	-114.8	NA	NA	NA	1.9
-4.7	2.4	3.5	-82.7	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.1
-4.6	2.7	-0.2	47.9	NA	NA	NA	0.4
-4.9	3.3	-11.4	-95.5	NA	NA	NA	2.5
-5.4	8.0	2.6	-19.4	NA	NA	NA	1.1
-5.3	4.7	0.9	99.4	-4.9	8.5	6.0	1.0
-5.3	4.9	-0.2	86.3	-4.9	10.0	14.8	0.9
-6.4	2.1	-3.7	-43.3	NA	NA	NA	1.7
-4.4	3.5	2.0	-73.7	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	5.1	0.0	20.3	NA	NA	NA	0.3
-4.3	2.2	-16.4	-124.3	NA	NA	NA	2.5
-5.1	5.0	-2.2	-66.9	-4.5	3.0	-37.2	0.9
-6.1	8.0	0.1	32.3	-5.6	3.3	-10.7	1.0
-5.1	8.0	0.9	55.4	-4.7	2.3	20.4	1.0
-5.4	1.0	-2.8	-100.3	NA	NA	NA	1.7
-5.1	2.3	-1.6	-80.9	NA	NA	NA	1.0
-5.6	8.0	-1.3	23.6	-4.8	10.0	-29.4	1.4
-4.7	1.3	-1.5	88.1	NA	NA	NA	1.5
-4.8	2.6	0.8	-100.4	NA	NA	NA	1.7
-4.5	3.7	-0.8	-74.2	NA	NA	NA	1.4
-4.6	2.6	-1.8	-17.5	NA	NA	NA	1.0
-4.3	5.0	-0.4	123.4	NA	NA	NA	1.0
-4.5	1.8	1.2	-102.6	NA	NA	NA	1.6
-4.7	7.8	-2.0	-85.9	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.6	8.0	0.0	179.8	NA	NA	NA	0.4
-4.7	8.0	-1.5	-95.4	NA	NA	NA	1.0
-4.3	8.0	-2.8	-80.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.2	6.8	0.5	211.7	NA	NA	NA	0.9
-4.4	8.0	-3.3	-81.1	NA	NA	NA	1.5
-4.7	2.8	0.0	-83.6	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.3	2.4	-0.3	48.2	NA	NA	NA	0.3
-4.5	2.1	0.1	-118.4	NA	NA	NA	1.5
-4.4	7.5	0.4	-83.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.1
-4.1	3.8	0.2	215.4	NA	NA	NA	1.0
-4.4	2.3	1.2	-108.4	NA	NA	NA	1.1
-5.3	4.5	-2.9	-79.1	NA	NA	NA	1.0
-4.9	8.0	1.9	-28.4	NA	NA	NA	1.6
-4.5	1.3	1.9	108.9	NA	NA	NA	1.6
-5.0	2.0	-0.3	-92.4	NA	NA	NA	1.6
-4.3	3.5	-0.6	-38.3	NA	NA	NA	1.0
-4.7	7.9	-1.0	83.0	-4.1	4.1	-119.0	2.0
-4.7	3.8	0.4	81.2	-4.3	9.7	14.1	1.0
-4.3	1.9	-1.0	-127.9	NA	NA	NA	1.5
-4.5	3.0	0.5	-70.5	NA	NA	NA	1.3
-4.5	3.5	-0.3	-20.1	NA	NA	NA	1.0
-4.2	3.6	-0.6	125.7	NA	NA	NA	1.0
-4.7	2.7	-1.5	-92.5	NA	NA	NA	2.1
-4.8	6.7	-2.3	-87.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	5.2	-0.1	161.1	NA	NA	NA	0.4
-4.8	8.0	0.3	-95.6	NA	NA	NA	1.3
-4.2	4.8	-0.5	-106.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.1	5.0	0.3	186.9	NA	NA	NA	0.5
-4.4	8.0	2.1	-86.1	NA	NA	NA	2.2
-4.7	3.5	0.4	-81.5	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	2.7	0.1	43.5	NA	NA	NA	0.3
-4.7	7.1	1.5	-100.8	NA	NA	NA	1.1
-4.4	6.2	-0.5	-86.2	NA	NA	NA	1.4
-5.5	4.5	-0.8	8.2	-4.6	9.9	-11.7	1.0
-4.1	2.9	0.2	265.0	NA	NA	NA	1.0
-4.3	1.8	0.8	-136.0	NA	NA	NA	2.0
-5.6	1.2	-2.2	-42.1	NA	NA	NA	1.2
-5.8	2.6	-2.3	93.1	NA	NA	NA	1.7
-5.6	1.8	-0.5	132.3	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-4.3	NA	NA	NA	NA	1.8
-4.8	1.1	-0.1	35.4	NA	NA	NA	0.5
-5.0	1.1	0.2	18.8	NA	NA	NA	0.3
NA	NA	-0.5	NA	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.3	8.0	2.5	49.0	NA	NA	NA	1.8
NA	NA	1.2	NA	NA	NA	NA	0.9
NA	NA	-0.7	NA	NA	NA	NA	1.4
-5.2	5.0	0.4	-28.0	NA	NA	NA	1.0
-5.1	1.5	-0.5	95.8	-4.4	9.9	20.8	1.5
-5.1	1.6	-0.3	81.5	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.9
NA	NA	1.3	NA	NA	NA	NA	0.6
-4.4	6.2	0.5	83.7	NA	NA	NA	1.2
-4.4	8.0	-0.7	41.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.4
-4.8	1.5	2.4	43.7	NA	NA	NA	1.3
-4.7	2.1	0.7	52.5	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.2	8.0	-0.5	-47.1	NA	NA	NA	1.0
-4.6	8.0	-4.6	33.8	-4.3	10.0	-81.5	1.9
NA	NA	-1.0	NA	NA	NA	NA	1.3
-4.2	8.0	2.5	-112.2	NA	NA	NA	1.2
-5.1	8.0	-7.8	-20.9	NA	NA	NA	1.3
-4.9	5.1	-1.0	40.3	-4.5	10.0	-0.5	1.0
-5.2	8.0	1.0	33.2	-4.5	7.6	0.9	1.0
NA	NA	-5.5	NA	NA	NA	NA	1.8
-4.1	8.0	-2.0	-39.5	NA	NA	NA	1.0
-4.8	1.5	1.8	88.0	-4.1	10.0	-139.9	1.6
-5.2	3.1	2.3	25.3	-4.1	10.0	-45.3	1.1
-4.1	8.0	3.2	-77.4	NA	NA	NA	1.4
-4.8	8.0	-3.0	-13.4	NA	NA	NA	1.0
-4.6	2.4	-0.8	23.4	NA	NA	NA	0.5
-4.6	3.6	0.3	31.5	NA	NA	NA	0.4
NA	NA	-0.5	NA	NA	NA	NA	0.8
-4.3	5.6	-1.5	-14.0	NA	NA	NA	1.0
-4.8	2.8	1.0	93.1	-4.3	9.8	17.4	1.0
-4.8	2.3	1.1	63.8	-4.3	9.1	8.4	1.0
-5.3	7.5	3.6	-20.4	NA	NA	NA	1.8
NA	NA	-0.5	NA	NA	NA	NA	1.0
-6.1	1.2	4.7	28.0	NA	NA	NA	1.9
-5.7	0.9	4.2	23.9	NA	NA	NA	1.7
NA	NA	-3.8	NA	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.3
-4.1	3.6	-1.2	62.5	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.1	8.0	2.0	22.5	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.4
NA	NA	-1.4	NA	NA	NA	NA	1.1
-5.0	3.5	-0.8	59.4	-4.6	4.4	17.9	1.0
-5.1	3.0	0.2	38.9	-4.4	2.3	5.3	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.9
-5.1	2.0	-1.6	-36.8	NA	NA	NA	1.0
-4.9	1.3	-1.1	96.7	-4.1	10.0	49.3	1.2
-4.8	1.6	-0.6	150.0	-4.1	9.7	41.1	1.0
NA	NA	0.1	NA	NA	NA	NA	1.3
-6.2	0.6	0.8	-21.6	NA	NA	NA	1.0
-6.2	1.2	2.1	62.0	NA	NA	NA	2.0
-6.0	1.0	4.4	71.0	-4.4	10.0	39.0	1.8
NA	NA	0.6	NA	NA	NA	NA	1.4
-4.3	2.3	-2.3	-73.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	1.9	0.3	30.7	NA	NA	NA	0.4
-4.7	8.0	-3.4	30.0	NA	NA	NA	1.9
-5.2	2.8	-1.5	-17.3	NA	NA	NA	1.1
-5.3	3.6	-0.5	56.8	-4.4	10.0	11.9	1.0
-5.2	3.0	1.0	54.8	-4.2	9.9	14.2	0.9
NA	NA	-3.3	NA	NA	NA	NA	1.8
NA	NA	-2.1	NA	NA	NA	NA	0.7
-4.4	2.2	3.5	88.5	NA	NA	NA	1.8
-4.6	2.7	1.0	48.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.4	3.9	-4.4	56.5	NA	NA	NA	2.1
-4.2	3.1	-1.2	40.9	NA	NA	NA	1.1
NA	NA	-1.1	NA	NA	NA	NA	2.0
NA	NA	-0.9	NA	NA	NA	NA	0.9
-4.6	2.0	-0.5	37.7	NA	NA	NA	1.8
-4.5	2.0	0.2	47.1	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.6
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.3	2.9	0.2	48.3	NA	NA	NA	1.0
-4.4	4.9	0.5	39.2	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
-4.4	3.8	0.4	-18.6	NA	NA	NA	0.6
-4.7	3.2	1.2	48.4	NA	NA	NA	1.3
-4.4	2.4	0.6	62.1	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.5
-4.5	8.0	-0.2	-19.8	NA	NA	NA	1.1
-4.6	2.5	2.2	35.9	NA	NA	NA	1.7
-4.5	3.1	1.9	40.6	-4.2	9.6	3.1	1.6
-4.2	7.9	-1.0	-101.4	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.7	0.7	-17.4	NA	NA	NA	0.9
-4.3	1.7	-1.4	62.6	NA	NA	NA	1.7
-4.3	1.6	-1.2	67.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.5
-4.8	3.6	0.6	-20.4	NA	NA	NA	1.0
-4.8	1.3	0.7	65.3	-4.3	10.0	9.0	1.1
-4.7	1.7	0.9	76.1	-4.3	10.0	13.0	1.0
-4.4	8.0	0.2	-97.0	NA	NA	NA	1.1
-5.4	2.0	2.6	-24.2	NA	NA	NA	1.0
-4.8	1.2	2.5	142.4	NA	NA	NA	2.0
-5.1	1.9	-2.0	94.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.6
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.3	1.4	1.3	58.7	NA	NA	NA	1.6
-4.5	2.7	-1.1	51.4	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.7
-4.5	1.3	1.2	-35.3	NA	NA	NA	1.0
-4.7	4.1	1.1	28.8	NA	NA	NA	1.6
-4.4	2.0	0.2	76.6	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.2	8.0	1.9	-57.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.1	4.8	-0.6	36.7	NA	NA	NA	0.5
-4.4	3.1	-1.7	-59.0	NA	NA	NA	1.5
NA	NA	1.1	NA	NA	NA	NA	1.0
-4.4	1.4	-4.6	30.9	NA	NA	NA	1.8
-4.4	2.1	-3.2	12.8	NA	NA	NA	0.8
NA	NA	-1.0	NA	NA	NA	NA	1.7
-4.5	3.9	0.2	-23.8	NA	NA	NA	1.0
-4.5	8.0	0.7	66.2	NA	NA	NA	1.1
-4.6	3.3	0.0	78.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.9	8.0	0.0	-6.5	NA	NA	NA	1.0
-4.7	4.0	-0.3	50.8	NA	NA	NA	1.0
-4.7	3.8	-0.6	45.4	NA	NA	NA	0.9
-4.7	8.0	-1.1	-26.0	NA	NA	NA	2.0
NA	NA	-2.7	NA	NA	NA	NA	0.8
-4.6	5.3	-0.8	23.6	NA	NA	NA	1.6
-4.7	0.7	-0.2	24.6	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.2
-4.5	4.3	0.6	-19.6	NA	NA	NA	1.0
-4.3	1.8	-0.7	65.0	NA	NA	NA	1.7
-4.4	2.7	-1.1	53.8	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.3
-4.6	6.7	1.6	-13.6	NA	NA	NA	1.0
-5.1	7.8	-2.4	61.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.8	2.2	-2.1	49.3	NA	NA	NA	1.0
NA	NA	-8.0	NA	NA	NA	NA	1.9
-5.3	2.9	-1.6	-24.1	-4.3	7.0	2.1	0.5
-4.7	0.9	3.5	137.8	NA	NA	NA	2.0
-4.8	1.3	2.1	134.0	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.3	3.5	0.0	-29.6	NA	NA	NA	1.0
-4.3	3.6	-0.6	46.1	NA	NA	NA	1.0
-4.3	4.5	0.1	64.9	NA	NA	NA	0.9
NA	NA	-2.1	NA	NA	NA	NA	1.9
-4.3	8.0	1.3	-16.8	NA	NA	NA	1.0
-4.5	1.4	-0.2	45.9	-4.1	10.0	6.3	1.0
-4.6	7.4	-0.2	29.1	-4.0	10.0	-3.7	0.5
NA	NA	-1.6	NA	NA	NA	NA	1.5
-4.2	8.0	1.6	39.7	NA	NA	NA	1.5
-4.7	8.0	-5.3	101.3	-4.2	5.5	-75.1	1.9
-4.5	8.0	-1.2	35.0	-4.3	10.0	-52.2	1.7
-4.2	4.1	-0.5	-90.3	NA	NA	NA	1.2
-4.4	8.0	4.1	-50.0	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	3.9	-0.8	27.1	NA	NA	NA	0.4
-4.2	4.4	-1.1	-64.9	NA	NA	NA	1.3
-4.4	8.0	1.8	-32.1	NA	NA	NA	1.1
-4.2	5.7	-0.6	26.6	NA	NA	NA	1.0
-4.3	4.1	-0.4	56.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.8
-5.0	8.0	-0.1	12.9	NA	NA	NA	1.0
-4.8	6.8	-0.4	74.3	NA	NA	NA	1.6
-4.4	8.0	1.0	-54.3	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
-4.7	8.0	0.8	-46.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.5
-4.7	5.3	0.0	41.4	NA	NA	NA	1.0
-4.9	4.5	2.0	-76.7	NA	NA	NA	1.1
-5.4	1.3	-2.1	-20.3	NA	NA	NA	1.2
-4.9	1.1	-0.6	72.8	NA	NA	NA	1.3
-4.9	1.1	0.9	78.7	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.3
NA	NA	-1.9	NA	NA	NA	NA	1.0
-5.3	4.1	-0.9	87.0	-4.4	9.2	-26.8	2.4
-5.2	3.4	2.3	75.0	-4.6	5.8	-4.5	1.3
NA	NA	-8.9	NA	NA	NA	NA	2.0
-4.4	2.1	-0.1	-38.1	NA	NA	NA	1.0
-5.7	8.0	0.2	13.9	-4.5	0.8	-14.7	1.0
-4.3	0.9	-0.5	21.0	NA	NA	NA	1.0
-4.4	0.8	-1.3	-60.8	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.2	NA	NA	NA	NA	1.3
-5.0	2.0	-0.1	51.5	NA	NA	NA	1.7
-4.9	1.4	0.9	44.4	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.2
-5.1	0.9	-0.1	-42.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.6
-5.0	1.4	1.1	35.3	-4.5	9.7	-0.5	1.3
NA	NA	0.2	NA	NA	NA	NA	1.3
-5.5	0.7	1.2	-27.8	-3.9	10.0	8.1	0.7
-4.5	0.6	-3.4	113.2	NA	NA	NA	1.8
-5.3	0.7	-2.5	68.8	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.3	3.2	-1.2	-77.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	3.3	0.3	53.3	NA	NA	NA	0.4
-4.1	8.0	0.4	-89.9	NA	NA	NA	1.2
-4.4	1.3	-1.0	-68.1	NA	NA	NA	1.0
-4.9	1.7	0.1	40.4	-4.0	2.2	-1.0	1.0
-4.5	1.4	0.0	103.0	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.2
-4.5	1.6	-1.5	-46.4	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	0.4
-4.6	1.4	0.5	23.9	NA	NA	NA	1.0
NA	NA	-3.2	NA	NA	NA	NA	2.3
-4.3	3.2	-0.2	-41.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.2	0.0	22.3	NA	NA	NA	0.4
-4.5	5.0	0.8	-32.0	NA	NA	NA	1.1
-4.3	3.1	1.1	-56.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.3	2.9	-0.3	31.0	NA	NA	NA	1.0
-4.2	4.2	0.9	-62.9	NA	NA	NA	1.0
-5.5	0.7	-0.3	-28.9	NA	NA	NA	1.2
-5.7	2.3	2.0	65.2	-4.9	3.7	-81.7	1.9
-5.7	1.7	2.3	64.2	-5.1	10.0	-29.2	1.0
-4.9	2.2	-1.1	-102.3	NA	NA	NA	1.8
-5.2	8.0	-0.6	-67.2	NA	NA	NA	1.0
-5.1	3.7	0.2	-4.5	NA	NA	NA	0.5
-5.1	6.7	0.1	36.0	NA	NA	NA	0.4
-5.1	2.3	-0.2	-95.3	NA	NA	NA	1.0
-5.0	2.2	0.1	-62.5	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.5
-4.6	1.0	-0.4	59.7	NA	NA	NA	0.9
-5.3	2.6	-0.7	-82.0	NA	NA	NA	2.0
-4.4	1.2	0.5	-115.6	NA	NA	NA	1.0
-5.6	4.2	0.0	7.6	-4.4	1.7	-36.5	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.1	5.3	0.4	138.4	NA	NA	NA	1.0
-4.3	1.3	-1.7	-129.7	NA	NA	NA	1.9
-5.1	8.0	0.7	-82.3	NA	NA	NA	1.0
-5.3	5.9	0.9	27.2	-4.9	4.1	-39.1	1.1
-5.2	7.8	0.2	37.6	NA	NA	NA	1.0
-5.0	8.0	-0.2	-87.7	NA	NA	NA	0.6
-4.2	3.0	0.5	-39.0	NA	NA	NA	1.0
-4.9	2.9	-0.7	27.4	-3.9	3.0	-97.2	1.6
-4.5	6.0	-0.9	26.7	NA	NA	NA	0.8
-4.3	8.0	1.2	-63.9	NA	NA	NA	1.0
-4.3	5.1	-0.9	-68.7	NA	NA	NA	1.0
-4.4	1.2	-0.6	-42.3	NA	NA	NA	1.0
-4.2	8.0	0.0	60.9	NA	NA	NA	0.7
-4.5	8.0	1.6	-89.9	NA	NA	NA	1.8
-4.6	8.0	-1.2	-83.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	8.0	0.3	127.9	-4.4	3.4	91.9	0.4
-4.6	8.0	2.2	-102.4	NA	NA	NA	1.1
-4.2	3.4	1.2	-79.6	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.5
-4.1	8.0	-1.0	62.7	NA	NA	NA	0.5
-4.5	8.0	-1.5	-84.0	NA	NA	NA	1.4
-4.7	3.1	0.1	-79.3	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.4	4.8	0.0	24.0	NA	NA	NA	0.3
-4.6	8.0	-0.9	-95.9	NA	NA	NA	1.6
-4.3	4.5	-1.2	-83.7	NA	NA	NA	1.0
-4.4	4.9	-0.4	-17.4	NA	NA	NA	1.0
-4.1	4.9	1.1	173.6	NA	NA	NA	1.0
-4.4	3.7	-0.6	-107.9	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	0.7
-4.1	5.2	-2.1	64.1	NA	NA	NA	1.7
-4.2	8.0	-1.8	32.1	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.7
-4.8	7.9	-2.2	-12.5	NA	NA	NA	1.0
-4.8	1.5	3.1	55.9	-4.1	10.0	5.5	1.6
-4.7	1.7	3.3	62.9	-4.1	10.0	12.6	1.5
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.1	7.3	0.3	-107.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.2
-4.1	8.0	0.3	154.8	NA	NA	NA	0.5
-4.1	8.0	-1.2	-111.3	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.5	1.7	-2.1	80.8	NA	NA	NA	1.8
-4.4	2.1	-2.1	82.7	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.9	7.1	1.2	-10.8	NA	NA	NA	0.8
-4.9	1.8	-7.2	67.5	NA	NA	NA	2.2
-4.5	2.7	1.7	69.9	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.7	8.0	0.6	-11.0	NA	NA	NA	1.1
-4.7	3.7	1.0	39.1	NA	NA	NA	1.0
-4.8	8.0	0.7	32.6	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	0.8
NA	NA	-0.7	NA	NA	NA	NA	0.8
-5.1	8.0	1.2	25.9	NA	NA	NA	1.4
-4.4	1.6	1.3	22.6	NA	NA	NA	0.6
NA	NA	-1.7	NA	NA	NA	NA	1.2
-4.6	3.4	-1.1	-18.0	NA	NA	NA	1.0
-4.6	3.3	-1.1	42.2	NA	NA	NA	1.3
-4.6	2.7	-0.5	43.0	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.1	3.3	-7.2	58.2	NA	NA	NA	1.9
-4.1	3.0	-1.7	36.2	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.2
-4.5	0.6	-1.8	104.2	NA	NA	NA	1.6
-4.4	2.3	-1.8	325.3	NA	NA	NA	1.0
-4.7	8.0	-3.8	60.3	NA	NA	NA	1.2
-5.9	2.0	3.6	-34.2	NA	NA	NA	1.8
-4.5	2.1	0.5	31.1	NA	NA	NA	1.2
-4.5	3.3	-0.4	45.7	NA	NA	NA	1.0
-4.6	7.9	-0.6	32.6	NA	NA	NA	0.9
-6.2	1.7	3.4	-49.8	NA	NA	NA	1.8
-4.4	3.9	1.4	-50.5	NA	NA	NA	1.0
-4.8	3.3	-0.4	22.0	NA	NA	NA	1.0
-4.3	2.5	-0.9	86.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	1.3
-4.7	4.7	1.6	46.1	NA	NA	NA	1.5
-4.4	3.9	0.8	41.3	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.2
NA	NA	1.5	NA	NA	NA	NA	0.6
-4.3	2.1	3.1	109.7	NA	NA	NA	1.8
-4.8	2.3	0.8	44.6	NA	NA	NA	1.0
NA	NA	3.7	NA	NA	NA	NA	1.4
-5.3	0.7	-0.3	-22.2	NA	NA	NA	1.0
-4.9	1.8	-3.9	73.0	NA	NA	NA	1.6
-5.0	1.4	-0.5	85.1	NA	NA	NA	1.5
NA	NA	-10.3	NA	NA	NA	NA	2.0
-5.5	1.5	-1.9	-17.7	NA	NA	NA	1.0
-5.5	8.0	4.4	27.0	-3.8	0.6	-7.2	1.0



ga	gw	zr	tp	la	lw	bt	er
-5.5	8.0	3.1	26.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.0
-5.2	1.5	-1.4	-17.2	NA	NA	NA	1.2
-5.1	0.7	-2.2	54.1	NA	NA	NA	1.6
-5.2	0.8	-0.4	49.0	-4.3	10.0	5.3	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.3
-4.1	3.5	-1.5	-59.6	NA	NA	NA	1.1
-4.7	1.7	1.5	146.6	-4.4	9.9	-123.2	2.0
-5.1	8.0	2.9	62.3	-4.2	10.0	-6.8	1.5
-4.1	4.4	-0.8	-117.5	NA	NA	NA	2.0
-4.1	8.0	0.0	-51.2	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.1	7.6	-0.1	33.7	NA	NA	NA	0.5
NA	NA	-0.1	NA	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.9
-5.1	2.4	-3.4	57.5	-4.0	10.0	-105.9	1.6
-4.7	2.0	-0.7	61.2	-4.2	10.0	-9.0	1.0
-4.1	8.0	2.6	-104.3	NA	NA	NA	1.5
-4.3	8.0	1.1	-60.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.5
-4.1	4.5	-0.4	124.3	NA	NA	NA	1.0
-4.1	3.5	-2.2	-88.4	NA	NA	NA	1.7
-4.8	8.0	-1.8	-20.6	NA	NA	NA	1.0
-5.0	2.3	-0.3	20.9	NA	NA	NA	1.0
-5.0	1.9	0.3	33.2	NA	NA	NA	1.1
NA	NA	-1.6	NA	NA	NA	NA	1.6
-6.4	1.1	-2.2	-13.2	NA	NA	NA	1.1
-5.2	0.4	-6.0	148.9	NA	NA	NA	1.5
-6.3	0.6	-4.2	84.6	NA	NA	NA	1.5
NA	NA	-5.9	NA	NA	NA	NA	1.9
-4.6	3.7	-0.9	-34.6	NA	NA	NA	1.0
-4.7	1.3	1.3	53.6	NA	NA	NA	1.0
-4.6	2.3	1.9	79.8	NA	NA	NA	1.2
NA	NA	-1.4	NA	NA	NA	NA	1.9
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.6	1.9	1.4	82.7	NA	NA	NA	1.0
-4.5	2.3	0.9	64.1	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.3
-4.5	1.3	0.6	-21.4	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.3	1.8	0.3	14.9	NA	NA	NA	0.4
NA	NA	1.6	NA	NA	NA	NA	1.1
-4.6	1.7	-2.3	-32.4	NA	NA	NA	1.0
-5.1	8.0	2.4	51.6	-4.4	10.0	8.8	1.3
-5.1	8.0	3.3	59.5	-4.4	6.0	15.6	1.0
NA	NA	1.0	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.1	3.5	-1.0	-51.6	NA	NA	NA	1.0
-4.6	3.0	-3.8	81.7	NA	NA	NA	1.8
-4.6	3.9	-0.2	48.6	-4.2	4.9	5.6	1.0
-4.2	3.9	-0.4	-112.3	NA	NA	NA	1.3
-5.1	2.3	-0.5	14.5	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.6
-4.2	8.0	-0.8	30.2	NA	NA	NA	0.6
-4.5	2.6	-2.3	-101.4	NA	NA	NA	1.6
-4.2	5.7	-0.5	-93.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	53.4	NA	NA	NA	0.4
-5.1	3.3	0.2	-82.4	NA	NA	NA	1.0
-4.2	4.7	-2.6	-56.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.0
-4.1	4.6	0.3	56.4	NA	NA	NA	0.5
-4.4	8.0	-1.9	-72.8	NA	NA	NA	1.8
-4.2	2.2	0.1	-116.0	NA	NA	NA	1.0
-4.4	1.2	-0.4	-29.8	NA	NA	NA	1.0
-4.1	5.3	-0.6	252.6	NA	NA	NA	1.0
-4.4	3.9	0.3	-101.5	NA	NA	NA	2.0
-4.9	4.6	1.3	-10.5	NA	NA	NA	1.0
-5.2	8.0	1.8	39.1	NA	NA	NA	1.4
-5.0	2.7	-0.2	35.4	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	1.0
-4.3	7.7	1.0	-67.1	NA	NA	NA	1.0
-4.9	2.2	-4.4	50.5	-4.2	5.5	-101.7	1.8
-4.6	3.8	-1.2	60.6	-4.3	9.9	7.2	1.0
-4.1	4.2	2.6	-130.8	NA	NA	NA	1.6
-4.3	3.9	1.5	-86.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.4	5.9	-0.3	86.9	NA	NA	NA	0.9
-4.3	2.6	-3.5	-103.2	NA	NA	NA	1.4
-4.2	2.6	0.2	-103.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.2	5.3	0.3	201.8	NA	NA	NA	1.0
-4.2	2.3	1.7	-134.0	NA	NA	NA	2.0
-4.7	1.7	1.5	-31.6	NA	NA	NA	1.2
-5.0	2.2	0.4	27.8	NA	NA	NA	1.1
-4.8	3.2	0.2	38.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.4
-4.9	4.0	-1.7	-90.3	NA	NA	NA	1.0
-5.0	8.0	-0.6	-29.7	NA	NA	NA	1.0
-4.6	6.0	0.5	158.6	NA	NA	NA	1.0
-4.8	8.0	0.0	-106.6	NA	NA	NA	1.8
NA	NA	-1.5	NA	NA	NA	NA	0.8
-4.4	1.5	0.9	43.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	0.6	54.4	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.6	3.1	1.2	65.2	NA	NA	NA	1.0
-4.7	4.7	0.8	32.4	NA	NA	NA	1.0
NA	NA	2.7	NA	NA	NA	NA	1.8
-4.6	1.5	0.7	-12.6	NA	NA	NA	1.0
-4.3	6.9	2.4	71.1	NA	NA	NA	1.3
-4.3	6.4	1.7	57.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.2	3.9	0.8	-111.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.5	-0.3	136.6	NA	NA	NA	0.4
-4.5	3.8	-0.9	-97.3	NA	NA	NA	1.0
-4.2	4.3	2.4	-78.3	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	5.7	-1.3	92.5	NA	NA	NA	0.5
-4.2	5.3	-2.2	-102.6	NA	NA	NA	1.7
-4.3	5.8	1.7	-16.1	NA	NA	NA	1.0
-4.0	2.1	-0.5	73.1	NA	NA	NA	1.7
-4.2	1.8	-2.2	60.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.8
-4.8	5.6	0.4	-82.5	NA	NA	NA	1.0
-5.0	1.7	-2.2	-40.0	NA	NA	NA	1.3
-4.6	8.0	-1.8	47.1	NA	NA	NA	1.0
-4.8	5.5	-1.2	-93.0	NA	NA	NA	1.3
-4.9	5.1	-0.9	-80.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.7	3.8	0.1	137.6	-4.2	3.5	85.5	0.4
-4.6	2.4	2.4	-109.3	NA	NA	NA	1.2
-4.7	5.6	1.5	-28.6	-4.1	10.0	7.5	0.7
-4.6	3.9	0.1	66.7	-4.3	10.0	3.6	1.2
-4.6	4.7	-0.3	78.8	-4.4	10.0	10.0	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.1
-5.4	1.2	1.7	-19.3	NA	NA	NA	1.1
-4.6	0.8	1.8	142.1	NA	NA	NA	1.7
-5.1	1.0	-1.1	85.1	NA	NA	NA	1.5
NA	NA	1.6	NA	NA	NA	NA	1.3
-4.1	8.0	1.3	-19.1	NA	NA	NA	1.3
-4.1	5.3	0.8	105.6	NA	NA	NA	1.0
-4.0	8.0	0.2	69.1	NA	NA	NA	0.5
NA	NA	2.1	NA	NA	NA	NA	1.8
-4.8	4.3	1.2	-29.8	-4.1	9.7	-4.3	0.8
-4.8	1.1	0.7	77.0	-4.3	10.0	7.1	1.4
-4.6	1.0	0.1	92.4	-4.3	9.9	14.4	1.2
NA	NA	1.5	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.1	1.2	-24.3	NA	NA	NA	1.0
-5.6	0.8	-0.5	42.4	NA	NA	NA	2.1
-4.4	1.2	-0.6	110.0	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.7
-5.8	8.0	-1.2	7.3	-4.1	10.0	-32.4	1.1
-4.1	4.0	-0.5	133.7	NA	NA	NA	1.0
-4.1	7.8	-0.4	122.5	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	2.1
-4.7	1.5	1.3	-21.5	NA	NA	NA	1.0
-5.1	2.1	0.6	24.9	NA	NA	NA	1.1
-4.5	1.0	-1.2	42.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.7
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.3	1.2	1.6	72.2	NA	NA	NA	1.4
-4.3	1.3	0.8	65.1	NA	NA	NA	1.0
NA	NA	2.7	NA	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	0.9
-4.6	1.8	3.2	108.7	NA	NA	NA	1.4
-4.6	1.3	0.9	67.8	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	2.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.7	1.2	0.6	26.7	NA	NA	NA	1.6
-4.7	8.0	0.8	15.0	NA	NA	NA	1.4
NA	NA	-3.9	NA	NA	NA	NA	2.0
NA	NA	0.0	NA	NA	NA	NA	1.4
-5.1	1.2	-0.9	104.4	-4.3	9.0	33.9	1.9
-4.8	1.2	-1.9	74.3	-4.2	9.5	12.4	1.4
-4.6	2.0	-4.3	-45.5	NA	NA	NA	2.1
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.6	5.9	-3.7	32.6	-4.2	10.0	-166.1	1.4
-4.1	8.0	-0.3	-96.2	NA	NA	NA	1.0
-4.1	3.4	0.1	-70.4	NA	NA	NA	1.4
-4.6	8.0	1.3	-12.7	NA	NA	NA	1.4
-4.7	5.1	-0.5	23.1	-3.9	1.6	-11.7	1.0
-4.7	8.0	-0.9	16.3	NA	NA	NA	0.9
NA	NA	-0.9	NA	NA	NA	NA	1.6
-4.3	5.1	0.8	-34.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.1
-4.2	3.7	-0.2	22.1	NA	NA	NA	0.5
-4.3	8.0	0.8	-50.7	NA	NA	NA	1.3
-4.2	4.8	0.4	-87.6	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.2
-4.0	4.9	0.1	91.5	NA	NA	NA	0.5
-4.1	5.0	4.1	-130.6	NA	NA	NA	1.6
-7.8	0.4	2.3	22.0	-4.1	1.3	-13.9	1.7
-7.9	8.0	-11.2	-35.3	-4.7	10.0	29.7	2.6

ga	gw	zr	tp	la	lw	bt	er
-7.9	2.5	-16.0	-28.0	-4.7	10.0	1.0	2.3
NA	NA	-1.3	NA	NA	NA	NA	1.2
-6.7	0.7	4.8	17.9	NA	NA	NA	1.7
-7.9	0.9	-5.0	-32.3	-4.6	3.6	70.6	2.2
-7.5	1.0	-7.6	-21.5	-4.6	5.7	16.4	1.7
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.1	8.0	11.0	-71.2	NA	NA	NA	2.1
-5.1	2.8	-18.4	53.1	-4.1	0.4	-67.7	2.5
-7.4	1.5	-11.4	-29.2	-4.9	3.6	-0.1	2.2
-4.1	8.0	-1.2	-128.6	NA	NA	NA	1.3
-4.2	6.3	0.0	-90.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	0.2	93.9	NA	NA	NA	0.5
-4.2	4.4	3.4	-110.2	NA	NA	NA	1.7
-4.1	8.0	3.5	-92.9	NA	NA	NA	1.2
-4.2	8.0	2.7	-16.8	NA	NA	NA	1.2
-4.0	8.0	0.5	121.5	NA	NA	NA	1.0
-4.3	7.9	5.2	-92.2	NA	NA	NA	2.1
-4.3	2.4	-5.0	-28.8	NA	NA	NA	1.5
-4.2	5.5	0.6	45.0	NA	NA	NA	1.1
-4.3	8.0	1.4	57.8	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	1.3
-4.8	8.0	2.0	19.9	NA	NA	NA	1.9
-6.4	2.7	-13.8	19.3	-4.8	2.7	-72.2	2.1
-5.6	2.4	-7.6	35.6	-4.7	1.9	-71.8	2.1
-4.5	2.1	0.6	-77.4	NA	NA	NA	1.8
NA	NA	-2.3	NA	NA	NA	NA	1.0
-4.7	0.6	-4.7	41.0	-4.2	10.0	-50.5	1.8
-5.5	2.2	-0.9	15.1	-4.2	10.0	-42.8	1.2
-4.1	8.0	1.7	-70.5	NA	NA	NA	1.7
-4.7	8.0	-1.9	-50.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	4.8	0.9	58.8	NA	NA	NA	0.9
-4.6	8.0	-0.2	-86.7	NA	NA	NA	1.5
-5.0	4.1	-1.1	-82.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.7	2.0	-0.3	37.5	NA	NA	NA	0.4
-5.3	2.8	-1.2	-94.1	NA	NA	NA	1.0
-4.7	4.8	2.0	-65.3	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	0.5
-4.7	8.0	-0.8	53.1	NA	NA	NA	0.9
-5.1	1.6	-5.0	-76.1	NA	NA	NA	2.1
-4.8	2.7	1.6	-78.5	NA	NA	NA	1.0
-4.5	1.8	-0.4	-29.8	NA	NA	NA	1.0
-4.6	3.8	-0.8	102.8	NA	NA	NA	1.0
-4.9	4.1	-0.7	-97.2	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.9	-1.7	-35.5	NA	NA	NA	1.0
-5.0	1.4	2.1	77.1	NA	NA	NA	1.1
-4.7	1.4	1.2	108.8	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
-4.4	2.9	-1.1	-51.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	3.1	0.5	45.5	NA	NA	NA	0.9
-4.6	1.5	2.3	-70.2	NA	NA	NA	2.1
-4.3	8.0	0.7	-23.5	NA	NA	NA	1.0
-4.3	4.5	1.6	100.0	NA	NA	NA	1.1
-4.2	4.0	1.1	110.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.9
NA	NA	-0.7	NA	NA	NA	NA	1.1
-5.3	1.8	1.6	49.4	-4.5	0.4	4.1	1.7
-4.9	2.0	-0.2	35.0	-4.2	4.4	-7.0	1.1
-4.1	3.4	-1.8	-82.0	NA	NA	NA	1.4
NA	NA	-1.3	NA	NA	NA	NA	1.3
-5.1	2.5	-4.0	84.4	-4.5	4.6	49.6	1.6
-5.0	1.7	-0.9	65.9	-4.3	3.7	37.7	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.0
-4.9	1.1	-0.9	-20.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.5
-5.1	1.1	-0.4	10.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.2
-5.0	8.0	-1.3	-10.9	NA	NA	NA	0.7
-5.0	3.2	-1.6	56.3	-4.4	9.6	9.3	1.3
-5.0	7.8	0.3	50.7	-4.3	5.4	11.5	1.0
NA	NA	1.3	NA	NA	NA	NA	1.2
-4.2	2.4	-0.2	-37.9	NA	NA	NA	1.0
-4.5	0.9	-0.3	90.1	NA	NA	NA	1.0
-4.1	0.9	0.1	96.7	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	2.1
NA	NA	-1.0	NA	NA	NA	NA	1.0
-4.6	1.8	1.5	103.2	NA	NA	NA	1.0
-4.6	1.7	0.8	69.2	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.6
-4.4	4.5	1.2	61.3	NA	NA	NA	1.0
-4.3	3.7	0.4	66.3	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.5
-4.1	6.4	0.0	58.1	NA	NA	NA	1.3
-4.1	8.0	-0.2	32.9	NA	NA	NA	1.0
NA	NA	3.3	NA	NA	NA	NA	1.5
-4.2	2.0	0.7	-24.1	NA	NA	NA	1.0
-4.0	0.7	0.0	119.4	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.0	0.8	-0.1	95.0	NA	NA	NA	1.0
NA	NA	5.9	NA	NA	NA	NA	2.1
-4.3	1.8	1.3	-20.0	NA	NA	NA	0.9
-4.4	1.1	-3.3	71.5	NA	NA	NA	1.9
-4.3	1.4	-2.4	68.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.9
-4.6	4.3	0.4	-60.2	NA	NA	NA	1.0
-5.5	8.0	1.5	-8.9	NA	NA	NA	1.1
-4.5	7.2	0.0	68.9	NA	NA	NA	1.1
-4.7	8.0	1.4	-54.7	NA	NA	NA	1.2
-5.0	1.7	1.5	-34.5	NA	NA	NA	1.0
-5.4	4.2	0.7	72.7	-4.6	10.0	-19.8	1.4
-5.3	2.8	-0.1	67.8	-4.6	10.0	14.8	1.0
-4.4	3.0	0.7	-75.9	NA	NA	NA	1.8
-4.4	5.9	1.6	-87.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.4	7.1	-0.2	73.4	NA	NA	NA	0.5
-4.5	3.1	1.8	-107.6	NA	NA	NA	2.0
-4.4	4.4	-0.9	-89.3	NA	NA	NA	1.1
NA	NA	0.9	NA	NA	NA	NA	0.4
-4.4	6.4	0.6	108.1	NA	NA	NA	1.0
-4.5	3.1	2.0	-110.5	NA	NA	NA	1.5
-5.4	8.0	-1.5	-40.7	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.6
-5.4	3.3	0.9	30.9	NA	NA	NA	1.0
-5.4	2.4	1.7	-63.1	NA	NA	NA	1.7
-4.7	2.3	0.5	-89.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	2.2	-0.2	99.0	NA	NA	NA	0.4
-4.8	1.9	-0.1	-103.5	NA	NA	NA	1.0
-5.8	3.3	-1.1	-18.2	-4.7	9.8	7.7	0.8
-5.9	2.0	0.8	92.3	NA	NA	NA	2.0
-5.7	1.7	1.1	104.8	-4.3	10.0	38.0	1.6
NA	NA	-0.9	NA	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.4	3.2	0.4	64.6	NA	NA	NA	1.0
-4.5	3.0	-0.3	56.9	NA	NA	NA	0.9
NA	NA	-1.3	NA	NA	NA	NA	2.2
-4.7	8.0	-3.1	-28.3	NA	NA	NA	1.0
-4.7	1.6	-0.7	66.4	-4.5	9.7	9.4	1.0
-4.8	3.8	0.5	70.6	-4.5	9.9	11.1	1.0
-4.7	4.6	-2.3	-73.8	NA	NA	NA	1.4
-4.5	8.0	-2.0	-72.8	NA	NA	NA	1.2
-4.5	8.0	2.1	-33.3	NA	NA	NA	1.3
-4.2	5.4	2.7	54.6	NA	NA	NA	1.3
-4.5	8.0	-1.2	-74.3	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	-0.1	-64.5	NA	NA	NA	1.9
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.1	8.0	-0.1	26.5	NA	NA	NA	1.0
-4.3	2.6	-5.6	-97.6	NA	NA	NA	2.2
-4.3	3.0	-2.3	-112.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.5	0.4	177.4	NA	NA	NA	0.4
-4.4	8.0	1.4	-99.0	NA	NA	NA	1.4
-4.2	4.5	-0.3	-59.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	7.8	-0.2	41.8	NA	NA	NA	0.5
-4.2	3.1	-1.5	-80.8	NA	NA	NA	1.4
-4.2	3.1	0.0	-91.7	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	8.0	-0.1	28.0	NA	NA	NA	0.3
-4.4	8.0	-0.9	-78.6	NA	NA	NA	1.5
-4.4	3.2	-1.0	-81.7	NA	NA	NA	1.0
-5.2	2.5	0.2	24.8	-4.5	10.0	-30.4	1.7
-4.3	1.1	-0.1	54.1	NA	NA	NA	1.6
-4.5	8.0	-0.7	-77.1	NA	NA	NA	1.3
-4.4	8.0	-0.3	-53.7	NA	NA	NA	1.0
-4.8	8.0	-0.1	-16.1	NA	NA	NA	1.0
-4.2	8.0	-0.1	82.9	NA	NA	NA	1.0
-4.6	2.6	-3.1	-82.6	NA	NA	NA	1.7
-4.5	8.0	-1.1	-85.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	4.8	0.1	170.1	NA	NA	NA	0.4
-4.3	8.0	2.2	-95.1	NA	NA	NA	1.2
-4.1	5.2	2.9	-69.3	NA	NA	NA	1.5
NA	NA	0.5	NA	NA	NA	NA	1.1
-4.1	8.0	-0.4	21.2	NA	NA	NA	0.5
-4.1	3.3	3.0	-98.1	NA	NA	NA	2.2
NA	NA	0.8	NA	NA	NA	NA	0.4
-4.7	2.3	0.5	60.9	NA	NA	NA	1.0
-4.7	2.5	0.0	41.9	NA	NA	NA	1.0
-4.9	3.6	1.4	-51.7	NA	NA	NA	1.4
-4.9	4.5	0.0	-48.1	NA	NA	NA	1.0
-4.9	3.1	0.5	312.8	-4.4	10.0	170.0	1.0
-4.8	3.0	0.6	531.0	-4.3	6.4	269.9	1.0
NA	NA	0.6	NA	NA	NA	NA	1.7
-7.7	0.4	-5.6	14.1	-4.6	9.5	-1.9	1.5
-4.1	8.0	-0.3	64.2	NA	NA	NA	1.7
-4.4	3.3	-2.0	25.8	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.5
-4.4	1.3	-1.5	-36.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.4	1.3	0.6	18.0	NA	NA	NA	0.4
NA	NA	0.2	NA	NA	NA	NA	1.3
-4.4	5.6	1.8	-59.6	NA	NA	NA	1.0
-4.6	8.0	-0.6	42.4	-4.4	10.0	-7.7	1.2
-4.6	8.0	-1.3	39.4	-4.2	9.9	1.0	1.0
-4.2	8.0	-0.6	-116.0	NA	NA	NA	1.1
-4.4	4.2	-1.4	-71.8	NA	NA	NA	1.0
-4.2	8.0	0.0	-26.5	NA	NA	NA	1.0
-4.5	4.5	0.2	37.5	NA	NA	NA	1.0
-4.2	4.6	-0.4	-79.8	NA	NA	NA	1.1
-4.2	8.0	0.4	-90.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	97.9	NA	NA	NA	0.4
-4.3	4.2	0.1	-100.2	NA	NA	NA	1.0
-4.2	6.3	-0.3	-88.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.1
-4.2	8.0	0.0	74.2	NA	NA	NA	0.5
-4.2	5.1	3.0	-104.5	NA	NA	NA	1.5
-4.1	8.0	0.2	-61.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.1	8.0	0.1	23.4	NA	NA	NA	0.5
-4.1	8.0	2.7	-84.8	NA	NA	NA	1.6
-5.7	1.3	-1.3	-17.1	NA	NA	NA	1.0
-5.7	2.3	-0.5	54.1	NA	NA	NA	1.0
-5.7	1.9	0.0	58.8	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
-4.7	1.0	0.1	-35.7	NA	NA	NA	1.0
-5.0	1.6	-0.1	51.8	NA	NA	NA	1.0
-4.7	1.6	0.1	84.2	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.2
NA	NA	3.4	NA	NA	NA	NA	1.1
-5.3	1.1	2.0	38.2	NA	NA	NA	1.7
NA	NA	0.4	NA	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.7
-4.7	0.7	-2.3	34.7	NA	NA	NA	1.2
-4.8	1.2	0.0	13.7	-4.0	10.0	-13.4	0.5
NA	NA	1.1	NA	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.0
-5.7	1.6	0.9	46.7	-4.7	7.8	11.4	1.0
-5.7	1.4	0.7	46.0	-4.8	9.8	12.1	1.0
NA	NA	2.7	NA	NA	NA	NA	1.6
NA	NA	2.8	NA	NA	NA	NA	1.2
-5.5	5.4	-4.9	59.4	NA	NA	NA	2.7
-5.7	8.0	-0.2	30.5	NA	NA	NA	2.0
NA	NA	1.6	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.3	NA	NA	NA	NA	1.1
-6.8	4.4	0.6	77.6	-6.1	4.7	-2.9	1.0
-6.8	4.4	0.6	63.2	-6.2	2.5	-2.3	1.0
NA	NA	5.2	NA	NA	NA	NA	2.0
NA	NA	0.6	NA	NA	NA	NA	1.1
-5.2	4.0	0.5	29.4	NA	NA	NA	1.4
-5.2	2.7	-0.4	42.1	-4.5	1.9	12.7	1.1
-5.6	2.3	-2.6	29.1	NA	NA	NA	1.7
NA	NA	1.3	NA	NA	NA	NA	1.6
-6.8	7.9	1.2	37.8	-5.7	4.4	-1.9	1.0
-6.7	4.0	-0.8	42.2	-5.7	4.4	-2.4	1.0
NA	NA	3.3	NA	NA	NA	NA	1.9
NA	NA	-2.8	NA	NA	NA	NA	1.3
-5.1	1.5	0.3	42.9	-4.4	10.0	1.0	1.2
-5.5	8.0	2.1	16.8	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.4	1.9	0.4	64.0	NA	NA	NA	2.0
-4.3	8.0	0.9	33.1	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.7
NA	NA	0.8	NA	NA	NA	NA	0.9
-4.4	8.0	2.3	66.3	NA	NA	NA	1.4
-4.4	5.1	-0.3	33.3	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.3	1.6	3.3	95.3	NA	NA	NA	1.5
-4.2	3.0	1.4	58.3	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.5
-4.4	8.0	0.9	-66.9	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.3
-4.4	6.1	-1.1	67.5	NA	NA	NA	0.5
-4.4	3.7	-0.3	-108.7	NA	NA	NA	1.5
-6.2	8.0	0.1	-12.5	NA	NA	NA	1.4
-6.4	4.6	2.4	38.2	-5.4	6.7	-29.4	1.1
-6.4	2.8	1.7	40.8	-5.4	6.0	-18.6	1.2
-5.4	6.4	1.5	-94.6	NA	NA	NA	1.2
-5.2	0.5	3.9	-40.4	NA	NA	NA	1.3
-5.7	3.0	6.4	85.4	-4.3	10.0	-92.2	2.5
-5.4	0.7	-1.7	118.4	-4.4	10.0	5.7	1.4
-4.2	2.8	0.8	-126.9	NA	NA	NA	1.5
-4.2	8.0	-0.1	-30.4	NA	NA	NA	1.0
-5.8	1.6	0.2	17.7	-4.5	10.0	-9.8	1.0
NA	NA	1.3	NA	NA	NA	NA	0.8
-4.4	2.1	1.3	-114.0	NA	NA	NA	1.7
-5.0	7.9	-1.2	-73.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.9	7.7	0.2	67.5	NA	NA	NA	0.4
-5.5	8.0	2.1	20.8	-5.0	10.0	-101.5	0.6
-4.7	2.1	1.0	-32.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.1
-5.0	2.6	-0.2	14.3	NA	NA	NA	0.9
-4.6	5.7	-4.6	-76.2	NA	NA	NA	1.6
-4.5	4.6	0.8	-59.9	NA	NA	NA	1.2
-4.4	8.0	-0.1	-18.1	NA	NA	NA	1.0
-4.5	2.8	0.2	27.8	NA	NA	NA	1.0
-4.5	5.2	1.7	-97.6	NA	NA	NA	1.6
NA	NA	-2.9	NA	NA	NA	NA	0.9
-4.7	1.6	-1.5	54.0	NA	NA	NA	1.1
-4.6	2.0	-0.2	44.6	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.2
-5.7	1.9	0.5	-29.2	NA	NA	NA	1.0
-5.8	1.8	1.3	92.9	NA	NA	NA	1.0
-5.7	1.7	0.1	98.5	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.4
-5.2	3.3	0.3	-12.6	NA	NA	NA	1.0
-5.1	2.8	-0.7	51.0	NA	NA	NA	1.3
-5.1	2.6	-0.5	45.9	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.9
NA	NA	-6.0	NA	NA	NA	NA	1.6
-4.1	8.0	-8.3	73.9	NA	NA	NA	2.0
-4.2	2.4	0.5	84.5	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.5
-4.3	1.3	-1.0	-47.5	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	0.8
-4.5	3.5	0.6	27.3	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.9
-6.3	8.0	2.8	19.5	-4.4	10.0	-31.8	1.7
-7.2	8.0	-0.4	33.0	-6.1	1.7	-98.0	2.5
-7.1	5.1	-3.1	28.5	-6.2	1.5	-49.7	2.1
-4.6	1.9	0.4	-97.6	NA	NA	NA	1.8
-7.2	2.8	1.1	-11.6	NA	NA	NA	0.9
-7.7	1.2	-2.2	37.3	-6.6	1.0	-18.6	1.0
-7.4	1.5	-1.0	32.1	-6.4	1.2	-9.5	1.0
NA	NA	0.8	NA	NA	NA	NA	1.7
NA	NA	0.3	NA	NA	NA	NA	0.5
-4.6	1.6	-0.3	64.1	NA	NA	NA	1.0
-4.4	1.6	-0.5	67.2	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.0
-6.0	1.5	0.2	42.0	NA	NA	NA	1.2
-5.6	0.9	0.2	39.0	NA	NA	NA	1.1
NA	NA	-2.3	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-5.9	2.6	0.2	-10.0	NA	NA	NA	1.2
-5.7	0.9	-1.6	89.5	NA	NA	NA	1.0
-5.7	1.0	-0.4	75.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
NA	NA	-1.8	NA	NA	NA	NA	1.0
-4.5	0.8	-0.6	38.0	-4.2	10.0	-79.2	1.9
NA	NA	2.3	NA	NA	NA	NA	1.4
-4.1	4.0	0.2	-77.9	NA	NA	NA	1.3
-4.2	6.3	-2.8	-55.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.0
-4.2	7.5	-0.4	54.7	NA	NA	NA	0.9
-4.4	3.1	-0.5	-77.2	NA	NA	NA	1.9
-4.4	8.0	-0.3	-56.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.5
-4.3	8.0	0.2	53.0	NA	NA	NA	1.0
-4.3	1.7	-1.4	-115.2	NA	NA	NA	1.3
-4.4	8.0	2.3	-49.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	3.6	-0.3	18.5	NA	NA	NA	0.4
-4.3	2.2	-0.4	-125.3	NA	NA	NA	1.1
-4.3	5.1	-0.1	-75.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.5	0.0	118.2	NA	NA	NA	0.9
-4.3	2.2	-2.1	-98.7	NA	NA	NA	1.6
-4.5	8.0	0.7	-80.2	NA	NA	NA	1.0
-4.5	8.0	0.5	-19.7	NA	NA	NA	1.0
-4.3	5.4	-0.1	138.4	NA	NA	NA	1.0
-4.5	7.2	1.8	-97.3	NA	NA	NA	1.2
-4.8	8.0	0.2	-11.9	NA	NA	NA	1.0
-4.5	1.1	2.4	68.5	NA	NA	NA	1.6
-4.6	2.3	2.4	59.8	NA	NA	NA	1.5
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.8	1.6	0.9	-15.4	NA	NA	NA	0.9
-4.3	1.8	-0.5	110.8	NA	NA	NA	1.8
-4.3	1.4	-0.4	85.3	NA	NA	NA	1.1
NA	NA	2.2	NA	NA	NA	NA	1.1
-4.5	2.1	0.9	-78.6	NA	NA	NA	1.0
-5.3	8.0	1.0	21.9	-4.4	1.5	-21.8	1.1
-4.5	1.5	0.4	72.1	NA	NA	NA	1.1
NA	NA	2.8	NA	NA	NA	NA	1.3
NA	NA	1.9	NA	NA	NA	NA	0.6
-4.7	3.0	-0.9	56.5	NA	NA	NA	1.6
-4.7	8.0	-1.1	40.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.7
-4.3	7.1	0.9	-86.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	6.0	-0.1	44.8	NA	NA	NA	0.4
NA	NA	0.1	NA	NA	NA	NA	0.9
-4.4	3.2	3.8	-43.7	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.0
-4.3	3.4	-0.5	26.4	NA	NA	NA	0.9
NA	NA	-1.7	NA	NA	NA	NA	1.5
-4.3	8.0	-2.2	-74.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	7.4	0.3	18.8	NA	NA	NA	0.3
NA	NA	1.3	NA	NA	NA	NA	1.7
-4.4	3.7	-0.8	-61.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.2	2.0	0.0	61.0	NA	NA	NA	1.0
-4.4	2.1	3.3	-64.5	NA	NA	NA	1.5
-4.7	2.8	-1.1	-58.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.6	1.5	-0.2	58.7	NA	NA	NA	1.2
NA	NA	-2.4	NA	NA	NA	NA	1.4
NA	NA	-1.8	NA	NA	NA	NA	0.7
-4.8	2.5	-1.2	110.2	-4.3	10.0	18.6	1.8
-4.9	2.6	0.8	50.8	-4.3	9.5	3.5	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.6	3.3	-0.8	-59.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	3.3	0.3	33.6	NA	NA	NA	0.4
NA	NA	1.3	NA	NA	NA	NA	1.2
-4.3	2.6	1.4	-83.2	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	4.0	0.1	34.5	NA	NA	NA	0.3
NA	NA	0.0	NA	NA	NA	NA	1.8
-4.7	2.6	0.7	-70.2	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.4	2.3	-0.5	156.7	NA	NA	NA	1.0
-4.7	1.6	0.6	-55.5	NA	NA	NA	1.7
-5.6	2.3	0.1	-17.9	NA	NA	NA	1.0
-5.4	1.0	2.9	55.7	NA	NA	NA	1.5
-5.3	1.1	-0.7	62.0	-4.3	9.9	12.3	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.6
-6.1	3.1	1.9	-7.1	NA	NA	NA	1.0
-5.9	2.3	-1.4	100.0	-4.8	8.6	29.7	1.0
-5.8	2.3	-1.4	81.5	-4.7	10.0	18.4	1.0
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.3	3.0	1.2	-70.8	NA	NA	NA	1.0
-4.4	1.7	0.4	27.0	NA	NA	NA	1.3
-4.3	3.4	-0.6	62.0	NA	NA	NA	1.2
NA	NA	-1.5	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.8	0.1	-63.4	NA	NA	NA	1.0
-4.7	3.0	0.8	33.9	-4.1	3.4	-5.3	1.0
-4.6	3.5	0.7	55.9	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.3
-4.8	8.0	-5.0	-20.6	NA	NA	NA	1.4
-4.8	2.5	-0.2	51.5	NA	NA	NA	1.1
-4.7	2.4	1.7	65.4	NA	NA	NA	1.1
NA	NA	2.1	NA	NA	NA	NA	1.3
-5.7	3.2	1.6	-21.0	NA	NA	NA	1.2
-5.6	3.2	-0.4	66.3	-4.2	4.3	17.3	1.8
-5.7	2.4	0.3	77.8	-3.7	0.5	19.0	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.7
-6.1	3.8	0.9	-31.4	NA	NA	NA	1.0
-5.0	4.7	1.5	44.6	-4.1	10.0	7.4	1.0
-5.1	1.1	0.7	73.7	-4.3	8.7	22.1	1.0
NA	NA	-5.2	NA	NA	NA	NA	2.2
-5.2	1.6	0.5	-20.2	NA	NA	NA	1.3
-5.5	3.4	1.3	73.6	-4.7	3.7	19.1	1.4
-5.5	2.7	0.4	61.8	NA	NA	NA	1.1
NA	NA	-13.1	NA	NA	NA	NA	1.7
-5.8	2.0	0.3	-19.3	NA	NA	NA	1.0
-5.4	7.6	1.7	43.9	-4.8	5.8	0.1	1.0
-5.3	1.7	1.5	66.2	-4.7	9.7	11.5	1.1
-6.1	4.6	1.6	-25.4	NA	NA	NA	1.5
-4.7	8.0	0.8	-10.8	NA	NA	NA	0.8
-4.4	7.4	1.4	50.8	NA	NA	NA	1.7
-4.2	2.5	-0.3	50.4	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.6
-4.6	8.0	1.2	-83.1	NA	NA	NA	1.1
-4.4	8.0	1.2	-16.2	NA	NA	NA	1.0
-4.6	8.0	0.6	57.0	NA	NA	NA	1.0
-4.7	8.0	1.5	-99.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.7
-4.1	3.4	-1.1	56.4	NA	NA	NA	1.6
-4.1	8.0	1.2	38.3	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.0
-5.3	0.4	-1.8	-35.3	NA	NA	NA	1.5
-6.4	1.6	-2.5	25.3	-4.8	10.0	-22.2	1.1
-4.2	8.0	6.6	103.9	NA	NA	NA	2.3
-6.7	4.2	-1.1	-37.5	NA	NA	NA	1.6
-4.5	4.5	-1.6	-59.6	NA	NA	NA	1.0
-5.0	8.0	0.8	61.4	-4.6	10.0	-129.2	1.8
-4.8	1.1	0.5	50.2	-4.6	10.0	-1.9	1.1
-4.6	6.2	0.1	-100.3	NA	NA	NA	1.2
-4.2	8.0	-2.0	-80.4	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	0.7

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	-0.5	252.1	NA	NA	NA	1.0
-4.5	8.0	-2.5	-84.8	NA	NA	NA	1.9
-4.3	2.9	-3.1	-105.3	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.1	3.9	0.6	152.9	NA	NA	NA	0.4
-4.8	0.6	1.5	-128.9	NA	NA	NA	1.9
-4.4	3.4	-2.2	-80.8	NA	NA	NA	1.2
NA	NA	-1.3	NA	NA	NA	NA	0.3
-4.2	5.2	0.2	117.4	NA	NA	NA	0.9
-4.6	8.0	-3.7	-78.0	NA	NA	NA	1.4
-4.5	3.8	-0.2	-82.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	6.6	-0.2	58.6	NA	NA	NA	0.3
-4.4	0.4	-1.9	-94.1	NA	NA	NA	2.3
-4.1	6.0	-2.6	-100.9	NA	NA	NA	1.6
-7.3	4.6	0.7	49.1	-4.2	10.0	13.4	2.3
-7.2	1.9	0.2	45.6	NA	NA	NA	2.1
-7.2	4.9	-2.3	-49.4	NA	NA	NA	2.3
NA	NA	-7.1	NA	NA	NA	NA	1.8
-4.6	2.4	0.3	61.1	NA	NA	NA	1.8
-4.7	3.0	0.9	60.1	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.8	1.3	2.0	-19.1	NA	NA	NA	1.0
-5.1	1.6	-1.4	95.0	NA	NA	NA	1.8
-5.1	2.6	-2.0	70.7	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.6
-4.8	4.8	-1.0	-10.8	NA	NA	NA	0.8
-5.6	2.0	-2.9	35.9	NA	NA	NA	1.5
-4.9	0.8	-1.4	51.6	NA	NA	NA	1.0
NA	NA	5.7	NA	NA	NA	NA	1.6
-4.4	8.0	0.3	-23.5	NA	NA	NA	1.0
-4.3	8.0	0.2	38.7	NA	NA	NA	1.0
-4.2	3.9	-0.2	57.1	NA	NA	NA	1.0
-5.6	1.2	-0.4	-24.9	-4.2	10.0	-8.0	1.6
-5.0	2.7	-1.5	-13.7	NA	NA	NA	0.7
-4.6	1.7	-0.5	125.1	NA	NA	NA	1.7
-4.9	2.4	1.4	43.0	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.4	1.4	1.0	53.5	NA	NA	NA	1.3
-4.3	2.3	0.9	53.3	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.5
-4.7	3.8	-1.0	-89.1	NA	NA	NA	1.0
-5.1	3.8	-0.3	38.2	-4.5	4.3	-36.9	1.0
-4.9	3.0	-0.1	55.9	NA	NA	NA	1.0
-4.5	2.5	0.1	-105.6	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.5	-0.1	-87.1	NA	NA	NA	1.0
-5.1	1.4	3.1	47.3	-4.3	5.5	-93.1	1.6
-5.0	2.7	1.2	44.9	-4.3	9.1	5.6	1.0
-4.3	3.1	1.4	-110.9	NA	NA	NA	1.3
-4.3	2.9	0.4	-90.0	NA	NA	NA	1.0
-4.5	4.5	-0.9	-30.2	NA	NA	NA	1.0
-4.2	8.0	-1.0	47.6	NA	NA	NA	1.0
-4.7	2.4	-2.2	-91.7	NA	NA	NA	2.1
-4.5	7.4	-1.5	-85.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	6.4	0.2	131.0	NA	NA	NA	0.4
-4.6	2.8	1.2	-105.3	NA	NA	NA	1.1
-4.5	8.0	0.4	-83.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.4	7.9	-0.2	187.1	NA	NA	NA	0.9
-4.5	6.2	-3.6	-92.7	NA	NA	NA	2.2
-4.7	4.3	5.8	-85.2	NA	NA	NA	1.8
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.5	3.8	-0.3	27.3	NA	NA	NA	0.3
-4.7	3.2	0.0	-101.1	NA	NA	NA	1.2
-4.5	3.3	0.6	-86.9	NA	NA	NA	1.0
-4.4	8.0	1.2	-31.4	NA	NA	NA	1.0
-4.1	3.2	0.6	214.8	NA	NA	NA	1.0
-4.3	8.0	-2.9	-98.7	NA	NA	NA	1.8
NA	NA	2.4	NA	NA	NA	NA	1.0
-4.1	6.3	-4.7	97.0	NA	NA	NA	1.8
-4.1	8.0	-1.5	78.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.6
-4.2	4.2	1.3	-45.4	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	3.2	-0.7	29.1	NA	NA	NA	0.9
-4.2	5.0	0.3	-64.0	NA	NA	NA	1.8
-4.4	1.6	0.5	-33.7	NA	NA	NA	1.3
-4.4	8.0	0.0	14.9	NA	NA	NA	1.0
-4.2	2.6	-0.3	48.5	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.6
-4.4	8.0	-0.7	-28.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.1
-4.3	8.0	0.1	32.4	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.7
-5.0	1.7	-0.8	-27.4	NA	NA	NA	1.0
-4.8	1.4	-0.6	124.8	NA	NA	NA	1.3
-4.9	1.7	-0.1	139.9	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	1.0
-4.4	2.7	0.5	-17.1	NA	NA	NA	0.8
-5.7	1.2	0.4	12.4	NA	NA	NA	1.6



ga	gw	zr	tp	la	lw	bt	er
-4.3	1.7	-0.1	68.1	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.5
-7.6	3.0	2.7	-5.1	NA	NA	NA	1.1
-4.9	4.4	6.5	60.0	NA	NA	NA	2.3
-7.9	3.4	-1.5	45.4	-6.8	10.0	7.2	1.4
NA	NA	1.2	NA	NA	NA	NA	1.6
-4.5	8.0	-3.4	-65.7	NA	NA	NA	1.2
-4.2	8.0	1.3	-34.4	NA	NA	NA	1.7
-4.4	1.7	1.1	62.9	NA	NA	NA	1.0
-4.2	3.2	-2.3	-86.7	NA	NA	NA	1.4
-4.3	3.4	-1.3	-74.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	2.9	0.3	46.2	NA	NA	NA	0.4
-4.6	4.8	0.5	-92.6	NA	NA	NA	1.0
-4.5	3.9	0.8	-64.7	NA	NA	NA	1.0
-4.9	3.8	-0.6	22.4	-4.5	9.8	-14.2	1.1
-4.6	2.1	-1.9	44.4	NA	NA	NA	1.1
-4.2	3.3	-0.1	-78.3	NA	NA	NA	1.0
-4.5	6.9	0.9	-79.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	8.0	0.0	80.4	NA	NA	NA	0.4
-4.6	3.6	-0.6	-100.4	NA	NA	NA	1.3
-4.3	8.0	1.1	-42.7	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	0.4
-4.1	4.1	-0.8	24.9	NA	NA	NA	1.0
-4.2	2.6	1.4	-87.8	NA	NA	NA	1.9
NA	NA	-0.3	NA	NA	NA	NA	0.9
-5.0	3.6	1.1	48.7	NA	NA	NA	1.8
-4.5	2.0	0.7	44.5	NA	NA	NA	1.0
NA	NA	-9.2	NA	NA	NA	NA	1.8
-5.0	1.5	0.5	-20.6	NA	NA	NA	1.0
-5.3	8.0	-0.1	12.4	NA	NA	NA	1.1
-4.7	1.2	0.0	29.6	NA	NA	NA	1.1
NA	NA	-0.9	NA	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.8
-4.6	2.4	-1.6	51.3	NA	NA	NA	1.1
-4.5	3.0	-1.3	42.3	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.8
-4.6	3.0	0.0	-44.6	NA	NA	NA	1.0
-4.9	3.4	2.8	87.2	NA	NA	NA	1.1
-4.8	2.8	2.2	119.5	NA	NA	NA	1.2
NA	NA	2.5	NA	NA	NA	NA	1.6
-4.4	4.7	3.1	-99.9	NA	NA	NA	1.3
NA	NA	-1.8	NA	NA	NA	NA	0.3
-4.3	8.0	-1.2	46.8	NA	NA	NA	0.5
-4.7	8.0	-0.6	-93.1	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	1.8	-20.3	-4.1	3.8	17.4	0.6
-4.6	4.7	-2.0	139.4	-4.3	10.0	43.4	1.2
-4.6	4.8	-2.0	119.5	-4.3	10.0	34.2	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.1	7.4	-0.4	73.4	NA	NA	NA	1.0
-4.0	4.1	4.5	606.4	NA	NA	NA	2.0
-4.1	4.5	2.3	134.8	NA	NA	NA	1.4
NA	NA	-0.8	NA	NA	NA	NA	1.7
-4.4	5.0	2.0	36.3	NA	NA	NA	1.4
-4.2	2.1	-0.3	963.9	NA	NA	NA	1.0
-4.3	2.0	-0.8	406.1	NA	NA	NA	1.0
NA	NA	-6.1	NA	NA	NA	NA	2.4
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.3	2.8	0.4	159.5	NA	NA	NA	0.5
-4.4	3.2	0.0	84.2	NA	NA	NA	0.4
-4.4	1.8	-0.9	-83.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
-4.2	6.5	0.9	392.7	NA	NA	NA	1.0
-4.3	8.0	0.5	258.2	NA	NA	NA	0.9
NA	NA	1.9	NA	NA	NA	NA	2.1
-4.3	3.1	0.1	29.9	NA	NA	NA	1.0
-4.1	1.8	0.4	282.4	NA	NA	NA	0.5
-4.2	2.0	0.1	119.5	NA	NA	NA	0.3
NA	NA	-0.2	NA	NA	NA	NA	0.8
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.0	1.3	1.2	288.1	NA	NA	NA	1.1
-4.2	1.8	0.3	148.8	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.9
NA	NA	-0.9	NA	NA	NA	NA	0.8
-4.7	3.4	1.6	43.4	NA	NA	NA	1.9
-4.5	2.5	0.7	43.6	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.5
-5.9	1.5	0.2	-31.4	NA	NA	NA	1.0
-5.9	1.5	0.6	93.0	-4.8	9.6	54.6	1.5
-5.7	1.9	1.3	103.5	-4.5	3.6	41.2	1.5
NA	NA	-3.7	NA	NA	NA	NA	1.4
-4.3	5.2	-0.2	-72.0	NA	NA	NA	1.0
-4.6	8.0	-0.8	29.9	-4.4	10.0	-12.8	1.0
-4.7	6.2	-0.5	21.6	NA	NA	NA	1.0
-4.3	8.0	-1.0	-73.5	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.4	1.5	2.2	46.6	NA	NA	NA	1.4
-4.3	6.1	1.4	26.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.7	8.0	0.9	19.1	-4.4	10.0	-25.0	1.0
NA	NA	0.0	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	-0.9	54.6	NA	NA	NA	1.0
-4.3	8.0	3.2	-86.8	NA	NA	NA	1.8
-6.0	8.0	-0.1	-7.2	NA	NA	NA	1.0
-6.0	0.8	-1.2	62.0	NA	NA	NA	1.5
-6.1	1.0	0.4	46.1	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.5
-5.0	0.6	-0.3	-13.3	NA	NA	NA	1.0
-5.9	2.1	0.1	51.3	NA	NA	NA	1.0
-5.7	1.1	-1.0	54.6	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.0
-4.7	8.0	0.8	-6.7	NA	NA	NA	1.1
-4.7	1.6	-1.1	52.6	-4.2	10.0	4.2	1.0
-4.6	1.4	-0.8	51.1	-4.1	10.0	3.7	1.0
NA	NA	4.7	NA	NA	NA	NA	1.8
-4.8	0.6	0.8	-92.0	NA	NA	NA	1.3
-6.9	5.9	-0.2	56.3	-6.3	2.8	-25.2	1.6
-6.6	0.7	-3.5	44.3	-6.2	9.3	1.1	1.9
-6.3	7.1	1.5	-98.4	-4.1	9.5	-86.2	0.5
-4.8	1.4	-1.6	-62.4	NA	NA	NA	1.1
-5.5	1.6	-8.7	91.6	-4.8	10.0	-109.4	2.3
-5.8	3.4	-2.7	62.3	-4.9	10.0	-13.9	1.4
-4.9	8.0	1.8	-107.5	NA	NA	NA	1.2
-4.5	2.1	1.8	-75.3	NA	NA	NA	1.2
-6.3	1.8	-0.1	22.0	-4.8	1.0	-37.1	1.0
-4.5	8.0	0.1	47.7	NA	NA	NA	1.0
-5.4	7.5	0.3	-89.9	NA	NA	NA	1.4
-5.3	6.3	0.1	-71.4	NA	NA	NA	1.0
-4.6	0.9	0.0	-8.3	NA	NA	NA	0.5
-5.2	4.4	0.0	74.8	-4.0	9.8	48.3	0.4
-5.3	8.0	-1.3	-95.2	NA	NA	NA	1.5
-5.2	1.0	-1.3	-64.3	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.6	0.9	0.2	95.2	NA	NA	NA	0.9
-5.7	8.0	5.9	-98.8	NA	NA	NA	2.1
-5.0	1.5	0.6	-79.8	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.2
-4.6	1.2	0.0	24.3	NA	NA	NA	0.3
-5.7	4.3	0.8	-98.4	NA	NA	NA	1.5
-5.0	1.6	-0.3	-80.5	NA	NA	NA	1.0
-6.0	2.4	0.2	22.0	-5.1	2.2	-17.3	1.0
-4.5	0.8	-0.2	110.1	NA	NA	NA	1.0
-5.2	2.1	1.9	-105.3	NA	NA	NA	1.3
NA	NA	-1.1	NA	NA	NA	NA	0.7
-4.6	8.0	0.0	26.0	NA	NA	NA	1.1
-4.6	8.0	-0.1	23.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.9

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.2	NA	NA	NA	NA	1.3
-5.1	8.0	-1.5	51.3	NA	NA	NA	2.2
-4.6	2.0	-0.1	58.3	NA	NA	NA	1.3
NA	NA	-3.1	NA	NA	NA	NA	2.2
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.6	3.1	-0.3	118.3	-4.1	9.8	32.6	2.0
-4.5	3.4	-0.9	64.4	-4.1	10.0	8.7	1.2
NA	NA	0.4	NA	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.3	8.0	-3.1	51.0	NA	NA	NA	1.7
-4.2	4.0	-0.9	42.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.5
-5.1	8.0	-0.1	-13.5	NA	NA	NA	1.0
-5.5	5.2	-1.5	52.5	-4.3	4.0	-67.4	1.4
-5.2	2.3	-0.6	60.8	-4.4	5.6	-26.1	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.9
-4.5	8.0	0.1	-87.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	8.0	-0.1	50.4	NA	NA	NA	0.4
-4.5	7.8	1.4	-97.7	NA	NA	NA	1.1
-4.4	5.1	1.2	-64.8	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	4.4	-0.1	44.6	NA	NA	NA	0.5
-4.6	8.0	-4.1	-82.2	NA	NA	NA	1.7
NA	NA	-1.2	NA	NA	NA	NA	0.9
-4.5	3.0	0.6	75.7	NA	NA	NA	1.0
-4.5	3.2	0.8	60.4	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.6
-4.6	3.7	0.4	-82.9	NA	NA	NA	1.0
-4.3	2.4	-0.1	-35.6	NA	NA	NA	1.1
-4.5	5.0	-0.3	89.6	NA	NA	NA	1.0
-4.6	3.0	0.1	-97.1	NA	NA	NA	1.4
-4.2	2.1	0.2	-82.2	NA	NA	NA	1.2
-4.9	2.8	0.2	43.2	-4.3	5.4	-138.4	2.1
-4.8	3.6	-0.1	50.1	-4.6	10.0	8.0	1.4
-4.4	3.1	-0.2	-98.2	NA	NA	NA	1.7
-4.2	6.3	0.1	-81.1	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.5
-4.3	8.0	-0.2	171.9	NA	NA	NA	1.0
-4.3	2.7	-0.2	-115.2	NA	NA	NA	1.8
-4.2	3.5	0.5	-114.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	6.1	-0.1	179.0	NA	NA	NA	0.4
-4.3	3.1	-0.1	-130.4	NA	NA	NA	1.1
-4.2	3.7	-0.1	-97.2	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	5.1	0.2	175.6	NA	NA	NA	0.9
-4.4	1.6	-0.8	-120.2	NA	NA	NA	2.0
-4.2	3.3	0.7	-103.3	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.8	-0.1	45.4	NA	NA	NA	0.3
-4.2	6.1	1.1	-128.4	NA	NA	NA	1.6
-4.3	2.9	0.5	-97.7	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.1	5.4	-0.4	255.7	NA	NA	NA	1.0
-4.4	3.5	-1.1	-104.2	NA	NA	NA	1.8
-4.5	2.0	-0.6	-91.7	NA	NA	NA	1.3
-4.3	1.8	0.1	-31.5	NA	NA	NA	1.2
-4.4	3.7	0.2	101.1	NA	NA	NA	1.2
-4.5	3.2	-0.4	-95.9	NA	NA	NA	1.6
-4.1	1.6	-0.2	-62.7	NA	NA	NA	1.0
-4.8	2.2	-2.4	30.5	-4.3	7.3	-75.2	2.0
-4.9	4.1	-0.4	34.1	-4.4	9.3	16.9	1.0
-4.3	3.3	-0.4	-101.5	NA	NA	NA	1.8
-4.3	6.9	-0.3	-64.9	NA	NA	NA	1.1
-4.2	8.0	-0.3	-20.9	NA	NA	NA	1.0
-4.2	4.3	-0.2	105.5	NA	NA	NA	1.0
-4.3	2.0	-1.7	-125.6	NA	NA	NA	1.7
-4.4	3.6	-0.4	-93.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	5.4	0.0	186.1	NA	NA	NA	0.4
-4.2	3.8	0.2	-135.3	NA	NA	NA	1.1
-4.3	8.0	-0.9	-78.6	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	0.1	135.1	NA	NA	NA	0.9
-4.3	1.6	0.7	-122.8	NA	NA	NA	2.1
-4.4	3.6	-0.2	-84.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.3	0.1	46.3	NA	NA	NA	0.3
-4.2	3.8	0.3	-131.9	NA	NA	NA	1.4
-4.3	3.1	1.3	-72.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.1	2.8	0.0	92.4	NA	NA	NA	1.0
-4.4	4.6	-0.7	-91.2	NA	NA	NA	1.7
-4.6	3.0	-0.4	-83.7	NA	NA	NA	1.0
-4.3	2.0	-0.3	-40.1	NA	NA	NA	1.4
-4.5	8.0	-0.1	83.7	NA	NA	NA	1.2
-4.5	3.1	-0.5	-98.5	NA	NA	NA	1.6
-4.2	2.6	-1.8	-85.0	NA	NA	NA	1.3
-4.8	1.9	1.2	33.2	-4.3	9.9	-147.2	2.0
-5.0	7.6	0.9	24.6	-4.4	8.4	6.2	1.3
-4.3	2.8	-0.3	-112.8	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	0.0	-70.4	NA	NA	NA	1.3
-4.3	8.0	-0.5	-14.4	NA	NA	NA	1.0
-4.3	8.0	-0.3	120.9	NA	NA	NA	1.0
-4.3	2.1	-1.1	-121.4	NA	NA	NA	2.0
-4.5	5.1	0.5	-86.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.3	-0.2	167.0	NA	NA	NA	0.4
-4.3	2.5	-0.6	-125.9	NA	NA	NA	1.0
-4.2	4.0	-0.2	-98.8	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.1
-4.2	6.2	0.0	152.8	NA	NA	NA	0.9
-4.2	3.1	-0.3	-115.5	NA	NA	NA	2.0
-4.3	2.5	-0.4	-98.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	3.6	0.0	32.2	NA	NA	NA	0.3
-4.4	8.0	-0.4	-98.9	NA	NA	NA	1.3
-4.2	2.1	1.4	-112.7	NA	NA	NA	1.3
-4.4	3.3	0.2	-13.7	NA	NA	NA	1.0
-4.1	4.6	-0.1	257.6	NA	NA	NA	1.0
-4.4	8.0	-1.9	-96.9	NA	NA	NA	1.9
-4.1	8.0	0.9	32.4	NA	NA	NA	1.2
-5.0	3.4	-0.2	48.0	-4.3	4.8	-77.5	1.9
-5.0	3.5	-1.3	32.6	-4.3	4.2	-26.9	1.0
-4.3	8.0	-2.4	-64.0	NA	NA	NA	1.5
-4.6	3.1	0.8	-23.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	1.8	-0.2	14.3	NA	NA	NA	0.4
-4.7	1.8	-0.4	26.0	NA	NA	NA	1.0
-4.7	1.5	-0.7	-28.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	0.9	-0.2	13.4	NA	NA	NA	0.9
NA	NA	1.3	NA	NA	NA	NA	1.7
NA	NA	-1.9	NA	NA	NA	NA	0.6
-4.2	2.7	0.9	67.3	NA	NA	NA	1.6
-4.2	4.4	1.1	51.1	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.1
-5.0	5.6	1.1	-77.0	NA	NA	NA	1.2
-5.7	8.0	0.4	-24.0	NA	NA	NA	1.0
-4.8	2.5	-0.2	152.6	NA	NA	NA	1.0
-5.0	1.9	0.1	-107.3	NA	NA	NA	1.8
NA	NA	0.7	NA	NA	NA	NA	1.3
-4.2	3.0	1.0	62.4	NA	NA	NA	1.9
-4.3	2.4	0.9	36.9	NA	NA	NA	1.0
NA	NA	-3.9	NA	NA	NA	NA	1.8
-4.3	2.6	-2.4	-98.2	NA	NA	NA	1.0
-4.4	1.6	1.1	47.8	-4.2	10.0	-11.8	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	4.2	1.7	73.4	NA	NA	NA	1.1
-4.3	5.0	0.1	-100.0	NA	NA	NA	1.2
-4.2	3.9	-0.6	-42.9	NA	NA	NA	1.0
NA	NA	-7.3	NA	NA	NA	NA	1.9
-4.1	7.5	-0.4	51.8	NA	NA	NA	1.0
-4.1	6.0	0.6	-63.5	NA	NA	NA	1.0
-4.2	5.4	-2.8	-100.2	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.0	0.7	134.8	NA	NA	NA	0.9
-4.2	8.0	2.5	-103.2	NA	NA	NA	1.7
-4.7	1.4	-1.8	-50.6	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	0.5
-4.6	4.6	0.1	39.6	NA	NA	NA	1.0
-4.9	1.4	-1.9	-43.1	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.6	7.1	-1.6	39.6	NA	NA	NA	1.0
-4.6	4.1	-1.3	42.0	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.8	0.8	0.3	76.8	NA	NA	NA	1.6
-4.8	0.9	0.3	59.1	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.4	1.4	-0.6	86.6	NA	NA	NA	1.5
-4.5	1.9	0.1	47.3	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.7	2.6	1.3	72.9	NA	NA	NA	1.2
-4.6	7.0	1.8	48.4	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.5
-4.6	3.6	1.4	-53.8	NA	NA	NA	1.2
-5.5	3.6	0.1	20.7	-4.4	1.5	-21.0	1.3
-4.6	1.0	-1.3	34.9	NA	NA	NA	1.4
-4.7	4.9	1.0	-61.9	NA	NA	NA	1.0
-4.4	6.6	-0.2	-28.0	NA	NA	NA	0.6
-4.9	2.2	-3.1	37.6	-4.4	9.3	-115.5	1.5
-4.4	8.0	0.1	-72.0	NA	NA	NA	1.0
-4.7	8.0	2.1	-95.5	NA	NA	NA	1.3
-4.6	2.1	0.4	-27.5	NA	NA	NA	1.0
-4.4	1.5	-1.4	109.5	NA	NA	NA	1.0
-4.4	1.8	-0.9	129.5	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	0.7
-4.6	2.5	-1.5	-42.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
-4.3	2.6	1.1	52.3	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	-0.7	-16.9	NA	NA	NA	1.0
-5.4	7.2	0.0	29.4	-4.4	10.0	-32.3	1.6
-5.2	2.2	-0.2	31.4	-4.2	10.0	-0.3	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.9
-4.3	1.4	-3.0	-37.8	NA	NA	NA	1.5
-4.4	3.9	-0.5	23.2	NA	NA	NA	1.0
-4.3	2.4	0.7	42.0	NA	NA	NA	0.9
NA	NA	0.5	NA	NA	NA	NA	2.1
-4.1	5.1	0.8	-62.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.3
-4.1	6.4	-1.0	24.0	NA	NA	NA	0.5
NA	NA	2.1	NA	NA	NA	NA	1.6
-4.5	8.0	-1.2	-27.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.7
-4.5	8.0	1.4	22.7	NA	NA	NA	1.6
-4.3	8.0	-0.8	-47.2	NA	NA	NA	1.7
-5.5	2.0	-0.8	-25.3	NA	NA	NA	1.0
-5.4	0.8	2.2	81.2	-4.4	10.0	41.5	1.9
-5.3	1.5	1.6	88.5	-4.5	1.3	52.9	1.0
-4.5	3.0	1.6	-52.5	NA	NA	NA	1.2
-5.5	1.1	-0.6	-26.2	NA	NA	NA	1.0
-5.5	1.1	1.0	73.6	-4.3	9.5	19.6	2.0
-5.5	1.3	1.5	79.3	-4.1	8.0	46.3	1.3
-4.3	3.2	0.3	-73.7	NA	NA	NA	1.7
-5.7	2.1	-2.9	-17.8	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	2.3
-5.5	1.2	1.8	44.0	NA	NA	NA	1.3
NA	NA	-2.7	NA	NA	NA	NA	1.6
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.2	1.7	3.8	124.6	NA	NA	NA	1.6
-4.3	2.3	2.4	82.6	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	1.6
-4.9	8.0	-0.8	-11.1	NA	NA	NA	1.1
-4.7	1.8	-0.1	87.8	-4.1	10.0	-96.3	1.6
-4.7	2.2	1.3	77.7	-4.3	10.0	-21.3	1.0
NA	NA	0.0	NA	NA	NA	NA	1.7
-4.6	4.5	1.5	-49.8	-4.1	10.0	-17.7	0.6
-4.3	1.1	0.8	124.8	-4.1	10.0	28.1	1.0
-4.3	1.3	-0.2	154.6	-4.1	10.0	38.4	1.0
-4.6	8.0	2.2	-41.1	NA	NA	NA	1.2
-4.5	2.8	-5.4	-37.0	NA	NA	NA	1.5
-5.5	7.6	-0.7	33.6	-4.6	9.9	2.2	1.5
-5.5	8.0	1.4	22.5	NA	NA	NA	1.5
-4.5	8.0	0.9	-57.1	NA	NA	NA	1.5
-4.4	4.2	0.6	-59.9	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.4	5.2	-0.9	44.0	NA	NA	NA	0.9
-4.5	2.9	1.5	-114.5	NA	NA	NA	1.8
-4.4	6.6	-0.6	-105.0	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.8
-4.4	8.0	0.5	87.3	NA	NA	NA	0.5
-4.4	8.0	2.9	-133.1	NA	NA	NA	2.0
NA	NA	0.6	NA	NA	NA	NA	0.8
-4.4	1.1	-0.2	45.1	NA	NA	NA	1.4
-4.4	1.3	-0.3	35.2	NA	NA	NA	1.2
-4.6	3.3	0.3	-29.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.8	2.2	0.7	44.9	NA	NA	NA	1.3
-4.5	2.2	0.5	46.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
-4.6	2.7	-0.2	-47.5	NA	NA	NA	1.0
-4.8	3.2	2.3	36.4	-4.3	10.0	-3.1	1.1
-4.8	3.6	2.0	43.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.4	5.2	-0.7	-89.5	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.4	6.4	0.2	112.1	NA	NA	NA	0.9
-4.6	8.0	9.0	-94.7	NA	NA	NA	2.2
-4.3	7.4	-1.5	-84.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.3
-4.3	8.0	0.1	72.6	NA	NA	NA	0.5
-4.3	8.0	-0.7	-101.9	NA	NA	NA	1.5
-5.2	1.7	-0.8	-69.8	NA	NA	NA	1.0
-5.0	3.5	-0.8	-27.8	NA	NA	NA	1.3
-5.3	4.3	-0.6	34.7	-5.1	10.0	2.8	1.1
-4.4	8.0	-2.5	-88.4	NA	NA	NA	1.5
-5.1	0.6	1.1	-25.3	NA	NA	NA	1.4
-5.0	1.9	3.3	97.7	-4.5	9.8	-148.1	1.8
-5.0	2.9	2.3	100.2	-4.6	10.0	-32.2	1.4
-4.5	7.5	-3.0	-94.8	NA	NA	NA	1.9
-4.5	8.0	-0.1	-33.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.4	8.0	-0.4	21.2	NA	NA	NA	0.5
-4.8	2.2	1.5	-93.8	NA	NA	NA	1.4
-5.1	2.8	0.9	-78.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	6.0	-0.3	95.5	-4.0	6.8	46.5	0.4
-4.8	6.9	-0.2	-94.5	NA	NA	NA	1.0
-5.2	7.9	1.6	-58.6	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.2
-4.9	2.3	-0.7	111.2	-4.5	10.0	84.6	0.9
-5.3	3.9	-1.3	-82.6	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.1	0.7	-75.4	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	2.3	0.0	18.9	NA	NA	NA	0.3
-4.2	3.8	1.8	-123.6	NA	NA	NA	1.9
-4.0	1.0	0.5	-48.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.1	8.0	-0.2	83.9	NA	NA	NA	0.5
-4.3	2.2	2.4	-107.0	NA	NA	NA	2.2
-5.5	1.7	1.3	-68.4	NA	NA	NA	1.0
-5.3	8.0	-0.2	-37.2	NA	NA	NA	1.3
-5.7	5.0	-1.1	37.6	-5.4	10.0	0.8	1.2
NA	NA	-1.8	NA	NA	NA	NA	1.6
-5.6	1.0	1.2	-24.2	-4.4	10.0	1.6	1.3
-4.9	1.1	1.1	122.7	-4.1	10.0	-101.3	2.1
-4.8	0.7	-0.4	108.9	-4.2	10.0	-10.9	1.6
-4.2	2.9	1.8	-121.8	NA	NA	NA	1.6
-5.1	4.4	0.6	-79.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	2.6	0.0	82.1	NA	NA	NA	0.4
-5.0	2.5	-0.5	-98.7	NA	NA	NA	1.5
-4.8	3.6	3.0	-62.3	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	0.4
-4.4	1.2	-0.9	82.9	NA	NA	NA	0.9
-5.3	6.8	-1.7	-77.4	NA	NA	NA	2.2
-4.8	1.3	0.8	-44.9	NA	NA	NA	1.3
-5.6	6.8	-1.0	13.8	-5.3	4.4	-9.9	1.0
-4.4	1.0	-0.4	29.0	NA	NA	NA	1.0
-4.6	2.0	0.8	-96.4	NA	NA	NA	2.0
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.2	2.2	0.4	71.7	NA	NA	NA	1.0
-4.2	2.6	-0.3	57.0	NA	NA	NA	1.0
NA	NA	-6.7	NA	NA	NA	NA	2.0
-4.7	8.0	-0.7	-35.2	NA	NA	NA	1.0
-4.6	5.8	2.0	25.4	NA	NA	NA	1.4
-4.6	4.1	2.0	68.5	NA	NA	NA	1.3
NA	NA	-1.9	NA	NA	NA	NA	0.9
-6.0	2.2	-0.9	-22.3	-4.4	2.8	-9.1	0.9
-6.0	4.9	-2.3	83.5	-4.3	9.8	-35.7	2.2
-5.8	1.7	-0.6	96.4	-4.3	3.9	-14.2	1.9
-4.3	3.7	2.2	-95.8	NA	NA	NA	1.8
-4.3	0.8	0.5	-43.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	1.6	0.0	19.5	NA	NA	NA	0.4
-4.2	8.0	-1.0	-45.4	NA	NA	NA	1.0
-5.3	6.0	1.8	-32.2	NA	NA	NA	1.7
-5.6	8.0	0.6	37.5	-4.5	10.0	17.1	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.6	4.3	-0.6	45.7	NA	NA	NA	0.9
-4.7	1.9	2.0	-76.1	NA	NA	NA	2.0
-5.1	2.2	1.0	-54.6	NA	NA	NA	1.1
-4.9	2.6	-0.6	-17.2	NA	NA	NA	1.0
-5.3	8.0	-0.3	23.5	NA	NA	NA	1.0
-4.8	4.4	-0.9	-68.7	NA	NA	NA	1.9
-5.0	8.0	0.6	-22.7	NA	NA	NA	1.2
-5.0	8.0	0.6	45.2	NA	NA	NA	1.0
-5.0	8.0	0.2	44.5	NA	NA	NA	1.0
-5.0	0.8	2.2	-41.8	NA	NA	NA	1.4
-4.4	1.3	-1.5	-86.0	NA	NA	NA	1.0
-4.6	6.0	1.9	26.4	-4.1	8.9	-15.8	1.0
-4.4	2.0	0.7	172.1	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	1.3
-4.5	2.8	-0.6	-36.0	NA	NA	NA	1.2
-4.4	0.9	-2.4	-41.3	NA	NA	NA	1.8
-4.7	8.0	-0.9	25.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.7
-4.4	1.2	-4.7	-48.4	NA	NA	NA	1.3
NA	NA	-1.3	NA	NA	NA	NA	0.5
-4.4	1.2	0.9	41.7	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.6
-4.4	2.5	1.0	-50.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	2.3	0.1	22.2	NA	NA	NA	0.4
NA	NA	-1.3	NA	NA	NA	NA	1.0
-4.3	2.5	2.3	-46.0	NA	NA	NA	1.0
-4.8	2.4	0.3	48.4	NA	NA	NA	1.0
-4.4	1.6	-1.1	92.0	NA	NA	NA	0.9
NA	NA	-0.8	NA	NA	NA	NA	1.6
-4.6	1.4	0.7	-79.5	NA	NA	NA	1.0
-4.6	3.6	2.3	41.8	-4.1	10.0	0.9	1.1
-4.5	3.6	0.8	134.6	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.4
-4.4	3.7	0.0	-57.5	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	1.7	0.2	37.5	NA	NA	NA	0.4
NA	NA	2.0	NA	NA	NA	NA	1.0
-4.3	2.9	-0.1	-69.1	NA	NA	NA	1.0
-4.8	8.0	0.0	22.3	NA	NA	NA	1.0
-4.3	2.2	0.0	88.2	NA	NA	NA	0.9
NA	NA	-9.6	NA	NA	NA	NA	1.8
-4.1	8.0	-0.9	-41.0	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.1	4.2	0.4	39.4	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.9	8.0	-0.9	-14.4	NA	NA	NA	0.8
-4.8	1.0	0.0	72.3	-4.1	9.9	20.7	1.6
-5.1	2.2	0.7	51.7	NA	NA	NA	1.1
-4.6	3.1	-1.3	-38.3	NA	NA	NA	1.3
-5.4	8.0	-3.5	-20.3	-4.8	3.5	-5.4	0.8
-5.5	2.8	1.3	54.7	-4.9	2.2	8.3	1.7
-5.5	3.4	2.7	64.5	-4.9	3.1	8.7	1.5
NA	NA	2.2	NA	NA	NA	NA	1.1
-4.6	8.0	0.1	59.7	NA	NA	NA	1.4
-5.2	3.8	-3.3	62.4	-4.6	10.0	-98.1	2.1
-5.2	3.3	-1.3	54.6	-4.7	5.4	-66.6	1.0
-4.5	1.3	0.4	-75.8	NA	NA	NA	1.6
-4.5	3.7	-1.8	-24.2	NA	NA	NA	1.0
-5.6	8.0	-0.5	28.7	NA	NA	NA	1.0
-4.5	0.8	-1.1	51.0	NA	NA	NA	1.0
-4.6	1.5	0.6	-70.7	NA	NA	NA	1.5
NA	NA	1.9	NA	NA	NA	NA	1.5
-4.1	3.1	1.1	78.4	NA	NA	NA	1.4
-4.3	8.0	-2.6	25.0	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.7
-4.2	4.2	-1.6	-97.9	NA	NA	NA	1.0
-4.6	8.0	-0.6	-30.1	NA	NA	NA	1.3
-4.2	3.6	0.5	78.5	NA	NA	NA	1.1
-4.2	8.0	-1.8	-127.7	NA	NA	NA	1.6
-4.1	5.1	-1.0	-62.8	NA	NA	NA	1.0
-5.3	1.4	1.1	38.2	-4.3	10.0	-131.9	1.8
-4.9	1.9	3.3	36.7	-4.1	10.0	-9.1	1.1
-4.1	3.6	-0.2	-113.9	NA	NA	NA	1.8
-4.3	3.9	-2.5	-93.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	6.1	0.5	144.7	NA	NA	NA	0.4
-4.4	2.3	0.0	-117.2	NA	NA	NA	1.5
NA	NA	-1.9	NA	NA	NA	NA	1.0
-4.7	1.2	1.5	93.0	NA	NA	NA	1.2
-4.9	1.3	0.8	80.9	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.0
-4.2	8.0	3.6	-25.2	NA	NA	NA	1.0
-4.2	8.0	-1.7	96.3	NA	NA	NA	1.2
-4.2	6.5	-3.9	82.3	NA	NA	NA	0.5
NA	NA	0.9	NA	NA	NA	NA	1.1
-5.1	3.1	-0.9	-20.7	NA	NA	NA	1.0
-4.9	5.1	0.8	87.9	-4.5	7.3	58.8	1.5
-5.0	4.9	0.9	64.7	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.4
-4.5	1.2	0.3	-25.1	NA	NA	NA	0.9
-5.4	1.0	-4.7	138.8	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
-5.0	0.8	-2.3	125.8	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	1.9
NA	NA	-1.2	NA	NA	NA	NA	1.4
-6.2	1.0	1.3	37.2	NA	NA	NA	1.8
-5.4	0.5	-0.6	40.3	NA	NA	NA	1.6
NA	NA	-1.3	NA	NA	NA	NA	1.2
-4.4	1.4	0.3	-42.0	NA	NA	NA	1.0
-5.0	8.0	-0.6	29.8	NA	NA	NA	1.2
-4.7	2.7	-0.2	41.0	NA	NA	NA	1.0
-4.3	2.2	-2.2	-86.1	NA	NA	NA	1.2
-4.4	5.2	1.0	-62.3	NA	NA	NA	1.0
-5.3	1.9	2.9	83.3	-4.2	3.1	-254.0	1.8
-5.2	6.4	1.1	18.6	-4.5	5.9	-33.2	1.0
-4.5	3.0	0.6	-100.6	NA	NA	NA	1.3
-4.1	8.0	2.5	-87.3	NA	NA	NA	1.1
-4.2	6.0	0.9	-20.9	NA	NA	NA	1.0
-4.1	8.0	-0.2	154.6	NA	NA	NA	1.0
-4.1	4.4	-1.4	-134.2	NA	NA	NA	1.6
-6.2	2.5	1.1	-11.1	NA	NA	NA	1.0
-6.2	3.1	2.8	92.2	-4.4	8.2	23.4	2.0
-6.2	2.5	-0.4	62.2	-4.3	9.8	22.8	1.2
NA	NA	0.7	NA	NA	NA	NA	1.4
-4.6	2.9	1.3	-49.2	NA	NA	NA	1.0
-5.6	8.0	-2.1	16.0	-4.9	2.5	-1.7	1.0
-4.6	2.0	-1.3	33.3	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.4	8.0	1.3	61.7	NA	NA	NA	1.4
-4.4	8.0	0.3	22.0	NA	NA	NA	0.8
NA	NA	-1.2	NA	NA	NA	NA	1.6
-4.6	8.0	-0.3	-57.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	3.5	0.1	37.5	NA	NA	NA	0.4
-4.6	2.8	-2.7	-97.5	NA	NA	NA	1.4
-5.5	2.5	-0.6	-19.7	-4.4	10.0	-0.6	1.1
-5.7	8.0	-1.4	99.5	-4.8	1.0	-13.1	2.1
-5.7	8.0	-0.7	61.1	-4.4	2.5	1.6	1.1
NA	NA	0.1	NA	NA	NA	NA	1.6
-4.7	3.0	-2.1	-35.7	NA	NA	NA	1.1
-4.5	1.0	-0.1	93.6	-4.3	10.0	9.5	1.2
-4.5	1.3	0.1	111.2	-4.3	10.0	19.2	1.0
-4.2	8.0	-0.4	-81.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.4	8.0	0.0	27.4	NA	NA	NA	1.0
-4.4	8.0	-0.4	27.7	NA	NA	NA	0.9
NA	NA	2.4	NA	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.3	NA	NA	NA	NA	0.5
-4.5	8.0	-0.6	30.4	NA	NA	NA	2.1
-4.3	8.0	0.4	27.0	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.7
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.3	8.0	1.5	59.9	NA	NA	NA	1.8
-4.3	6.1	0.7	50.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	1.1
-4.5	2.0	1.4	128.8	NA	NA	NA	1.9
-4.7	3.3	1.0	87.7	NA	NA	NA	1.0
NA	NA	-8.1	NA	NA	NA	NA	2.2
-4.6	2.7	-0.6	-101.5	NA	NA	NA	1.0
-5.2	2.2	0.8	39.3	-4.7	10.0	-13.5	1.3
-4.8	1.8	0.6	61.3	NA	NA	NA	1.0
-4.6	2.8	1.0	-130.8	NA	NA	NA	1.0
-4.5	4.5	-0.3	-47.7	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.0
-4.4	4.7	0.9	43.1	NA	NA	NA	0.5
-4.6	3.0	0.7	-117.7	NA	NA	NA	1.5
-4.5	8.0	-0.8	-88.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	8.0	0.1	144.7	NA	NA	NA	0.4
-4.5	3.4	-0.7	-129.5	NA	NA	NA	1.0
-4.4	6.7	-1.6	-76.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	8.0	0.5	74.1	NA	NA	NA	0.5
-4.4	8.0	2.0	-102.6	NA	NA	NA	1.6
-4.5	3.9	0.2	-104.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	4.3	0.1	33.5	NA	NA	NA	0.3
-4.6	3.2	-1.8	-126.1	NA	NA	NA	1.4
-4.7	8.0	-0.1	-79.6	NA	NA	NA	1.0
-4.5	3.2	-0.5	-21.2	NA	NA	NA	1.0
-4.4	3.3	0.5	89.1	NA	NA	NA	1.0
-4.7	4.4	0.1	-99.2	NA	NA	NA	1.4
NA	NA	1.5	NA	NA	NA	NA	1.0
-5.1	5.5	-5.3	46.6	NA	NA	NA	2.0
-4.4	3.5	-3.2	60.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.7
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.4	8.0	-2.5	51.1	NA	NA	NA	1.8
-4.3	3.7	-0.1	30.3	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	1.0
-4.6	3.6	1.8	45.6	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.6	0.4	45.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.7	8.0	0.6	31.0	NA	NA	NA	1.5
-4.6	3.8	0.1	33.2	NA	NA	NA	1.1
NA	NA	-2.1	NA	NA	NA	NA	1.4
NA	NA	-1.7	NA	NA	NA	NA	1.0
-4.7	2.6	-0.4	31.1	NA	NA	NA	1.0
-4.8	3.6	0.3	25.3	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.7
-4.3	6.0	-0.8	-14.6	NA	NA	NA	1.0
-4.2	1.5	0.7	56.5	NA	NA	NA	1.0
-4.2	2.4	0.6	52.1	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	2.1
-4.4	2.3	-0.1	-59.7	NA	NA	NA	1.0
-4.7	3.0	-1.4	29.6	-4.1	10.0	-7.4	1.0
-4.4	2.0	-1.2	76.6	NA	NA	NA	1.0
-4.2	4.1	0.5	-63.9	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.8
-5.1	3.2	0.5	65.4	-4.6	5.7	-1.4	1.0
-5.1	3.9	0.8	55.1	-4.6	5.8	1.4	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
-6.0	1.2	1.9	-12.7	NA	NA	NA	1.0
-5.7	2.7	-0.5	88.8	-4.9	1.5	22.9	2.0
-5.8	2.7	-0.6	58.2	-4.9	5.3	30.2	1.1
NA	NA	-4.6	NA	NA	NA	NA	1.9
-4.2	2.3	0.8	-69.9	NA	NA	NA	1.3
-5.6	8.0	-8.3	15.1	-4.4	10.0	-129.5	2.3
-5.5	8.0	-4.0	27.1	-4.8	10.0	-10.3	1.5
-4.6	0.9	-0.5	-118.8	NA	NA	NA	1.6
-4.4	1.6	1.0	-43.1	NA	NA	NA	1.2
-5.4	8.0	-0.6	16.4	-4.3	1.2	-24.1	1.0
-5.3	2.9	-1.1	12.4	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	2.1
-4.0	0.6	0.6	-55.3	NA	NA	NA	1.1
-4.7	2.0	0.0	-14.8	NA	NA	NA	1.0
-4.1	8.0	-0.1	42.2	NA	NA	NA	1.0
-4.3	0.7	3.1	-90.5	NA	NA	NA	1.5
-7.0	2.3	-0.7	-61.8	NA	NA	NA	1.1
-7.4	8.0	0.3	66.7	-7.1	6.3	-31.7	1.7
-7.2	2.5	0.9	71.1	-7.0	10.0	14.5	1.7
-6.8	8.0	0.1	-78.9	-5.4	9.1	-38.4	2.3
-7.3	8.0	-1.7	-24.0	NA	NA	NA	1.6
NA	NA	1.0	NA	NA	NA	NA	0.6
-7.4	8.0	0.1	11.5	NA	NA	NA	0.9
NA	NA	-0.6	NA	NA	NA	NA	2.4

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.7	NA	NA	NA	NA	1.0
-5.3	1.6	-1.1	40.4	NA	NA	NA	1.0
-5.3	1.4	0.5	29.7	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.7
-4.4	1.4	-0.3	-87.2	NA	NA	NA	1.2
-5.4	8.0	-4.3	65.1	-4.5	2.6	-106.9	2.0
-5.4	8.0	-1.4	50.7	-4.6	4.2	0.3	1.1
-4.6	3.3	5.3	-66.9	NA	NA	NA	1.6
-4.3	8.0	0.0	-81.1	NA	NA	NA	1.1
-4.3	4.2	-2.4	-46.9	NA	NA	NA	1.0
-4.3	8.0	-1.3	38.1	NA	NA	NA	1.0
-4.3	6.5	-4.2	-114.9	NA	NA	NA	2.1
-4.3	7.0	-0.9	-111.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	8.0	0.1	131.9	NA	NA	NA	0.4
-4.3	8.0	1.4	-129.8	NA	NA	NA	1.2
-4.3	4.2	-1.0	-87.3	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.3	5.6	-0.3	65.2	NA	NA	NA	0.9
-4.4	3.0	6.2	-110.0	NA	NA	NA	2.4
-4.3	8.0	0.1	-104.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	8.0	-0.3	26.3	NA	NA	NA	0.3
-4.3	8.0	-1.7	-122.9	NA	NA	NA	1.4
-4.3	3.0	0.4	-106.3	NA	NA	NA	1.0
-4.3	3.0	0.6	-46.7	NA	NA	NA	1.0
-4.2	6.1	-0.4	177.8	NA	NA	NA	1.0
-4.2	8.0	-1.9	-124.8	NA	NA	NA	1.8
-5.0	2.7	-0.6	-85.2	NA	NA	NA	1.3
-5.2	8.0	-4.1	44.5	-4.9	3.7	-30.9	1.3
-5.2	8.0	-1.9	47.8	NA	NA	NA	1.1
-4.8	5.1	0.5	-91.6	NA	NA	NA	1.4
-4.6	8.0	0.2	-67.5	NA	NA	NA	1.5
-5.6	8.0	-1.4	54.7	-5.0	2.4	-96.8	2.2
-5.5	8.0	-1.1	21.7	-5.2	10.0	-12.7	1.1
-4.6	0.8	-7.4	-124.8	NA	NA	NA	1.8
-4.7	3.4	-0.4	-40.8	NA	NA	NA	1.3
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.8	7.1	-0.6	21.9	NA	NA	NA	1.0
-4.7	2.5	-0.2	-98.9	NA	NA	NA	1.8
-4.7	2.6	0.4	-98.8	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	4.2	-0.1	125.8	NA	NA	NA	0.4
-4.5	4.2	-4.1	-131.1	NA	NA	NA	2.1
-4.3	1.7	-0.9	-78.7	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.6	3.3	0.0	24.7	NA	NA	NA	0.9
-4.7	3.6	4.9	-90.1	NA	NA	NA	2.1
-4.5	4.2	3.0	-93.0	NA	NA	NA	1.8
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.6	2.7	-0.1	20.4	NA	NA	NA	0.3
-4.6	8.0	0.0	-95.0	NA	NA	NA	1.8
-4.7	6.0	0.1	-31.0	NA	NA	NA	1.0
-4.8	8.0	0.6	12.4	NA	NA	NA	1.0
-4.7	7.5	0.6	33.0	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.8
NA	NA	1.0	NA	NA	NA	NA	0.4
-4.6	1.2	1.2	37.1	NA	NA	NA	1.0
-4.7	1.4	-0.1	30.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
-4.2	8.0	-0.4	-62.2	NA	NA	NA	1.1
NA	NA	1.9	NA	NA	NA	NA	1.6
-4.4	8.0	1.1	17.2	NA	NA	NA	1.3
NA	NA	-1.0	NA	NA	NA	NA	1.1
-4.3	8.0	0.8	-78.9	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.5	-0.4	157.5	NA	NA	NA	0.9
-4.3	2.8	-3.3	-118.0	NA	NA	NA	1.4
NA	NA	2.1	NA	NA	NA	NA	1.5
-4.5	1.7	3.8	67.1	NA	NA	NA	1.6
-4.6	1.6	0.0	49.7	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.8
-5.5	2.2	2.0	-79.1	NA	NA	NA	1.1
-5.6	8.0	0.4	-28.2	NA	NA	NA	1.0
-4.5	1.8	-0.3	65.5	NA	NA	NA	1.0
-5.3	8.0	1.8	-95.1	NA	NA	NA	1.5
-5.3	8.0	-1.1	-64.0	NA	NA	NA	1.4
-5.6	8.0	1.2	72.4	-5.3	10.0	-132.6	2.4
-5.6	3.0	2.7	71.6	-5.3	10.0	-3.9	1.5
-5.4	5.0	0.6	-98.1	NA	NA	NA	1.9
-5.3	8.0	1.3	-35.8	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.8	2.0	-1.0	41.6	NA	NA	NA	1.0
-5.3	8.0	0.2	-77.3	NA	NA	NA	2.1
-5.4	7.7	-0.6	-78.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-5.3	8.0	0.1	84.9	NA	NA	NA	0.4
-5.4	7.2	3.8	-101.4	NA	NA	NA	1.0
-5.6	4.0	1.8	-63.6	NA	NA	NA	1.4
-4.8	8.0	1.0	10.8	NA	NA	NA	1.0
-5.3	3.0	-0.5	96.4	NA	NA	NA	0.9
-5.6	3.1	1.8	-95.4	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-5.1	1.5	0.8	-76.3	NA	NA	NA	1.2
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.6	1.3	-0.3	30.1	NA	NA	NA	0.3
-5.2	2.8	0.4	-97.0	NA	NA	NA	1.8
-5.0	5.9	0.3	-64.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.8	7.0	0.5	76.4	NA	NA	NA	1.0
-5.5	3.1	0.3	-100.4	NA	NA	NA	1.3
-5.1	3.0	-0.6	-84.1	NA	NA	NA	1.0
-5.4	8.0	0.8	35.8	-4.8	10.0	-29.4	1.3
-5.1	3.5	0.7	132.6	-4.8	7.0	77.7	1.4
-4.9	3.2	1.5	-83.1	NA	NA	NA	1.5
-4.7	5.2	-1.2	-64.8	NA	NA	NA	1.2
-4.5	4.9	-2.4	-153.8	NA	NA	NA	2.1
-4.9	8.0	0.9	15.2	NA	NA	NA	1.3
-4.5	0.9	1.9	-136.1	NA	NA	NA	1.5
-4.6	3.8	1.1	-59.5	NA	NA	NA	1.7
-4.5	1.7	-0.6	-34.4	NA	NA	NA	1.0
-4.4	5.3	-1.5	48.1	NA	NA	NA	1.0
-5.3	1.0	1.3	-74.4	NA	NA	NA	2.0
-4.9	2.8	-0.2	-87.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	3.9	0.1	155.6	NA	NA	NA	0.4
-5.0	4.7	-8.2	-95.2	NA	NA	NA	1.9
-4.9	2.3	1.2	-79.2	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.5	2.3	-0.3	161.1	NA	NA	NA	0.9
-5.1	1.1	1.5	-107.3	NA	NA	NA	1.9
-4.7	2.8	-0.7	-77.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	1.8	0.2	24.2	NA	NA	NA	0.3
-4.6	3.1	-0.9	-75.9	NA	NA	NA	1.9
-5.0	1.5	-0.1	-91.1	NA	NA	NA	1.1
-5.0	8.0	-0.6	-24.0	NA	NA	NA	1.0
-4.3	1.7	0.0	279.3	NA	NA	NA	1.0
-4.7	5.7	1.1	-94.7	NA	NA	NA	1.8
-5.0	1.5	-2.4	-82.5	-4.1	10.0	-26.1	1.6
-5.4	3.1	-0.1	61.3	-4.8	9.9	5.3	1.4
-5.2	2.1	0.6	127.3	-4.6	10.0	85.9	1.3
-5.5	8.0	-3.8	-27.1	NA	NA	NA	1.9
-5.1	6.0	-1.4	-84.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.7	4.5	0.1	124.8	NA	NA	NA	0.4
-5.0	2.4	-0.1	-101.0	NA	NA	NA	1.6
-5.2	4.1	-1.7	-75.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.1

ga	gw	zr	tp	la	lw	bt	er
-5.0	3.8	0.3	126.2	-4.5	2.6	83.7	0.9
-5.3	5.3	-5.4	-80.8	NA	NA	NA	1.5
-4.7	8.0	-0.4	-85.2	NA	NA	NA	1.0
-4.6	8.0	1.3	-25.4	NA	NA	NA	1.0
-4.3	1.6	1.0	192.8	NA	NA	NA	1.0
-4.6	8.0	-0.6	-97.9	NA	NA	NA	1.7
NA	NA	-0.8	NA	NA	NA	NA	0.8
-4.7	2.2	-2.9	50.9	NA	NA	NA	1.2
-5.1	3.8	-0.9	20.1	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	0.7
-4.3	1.6	-0.5	56.8	NA	NA	NA	2.0
-4.2	3.2	0.9	37.4	NA	NA	NA	1.0
NA	NA	3.1	NA	NA	NA	NA	1.9
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.7	1.7	-5.3	142.5	-3.0	8.1	44.0	2.1
-4.8	2.5	-2.0	78.0	NA	NA	NA	1.3
-4.2	2.2	0.7	-76.1	NA	NA	NA	1.5
-4.2	2.3	-1.9	-54.2	NA	NA	NA	1.0
-4.1	8.0	-1.1	45.0	NA	NA	NA	1.0
-4.1	5.3	0.8	81.5	NA	NA	NA	1.0
-4.2	2.3	1.1	-82.9	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	2.7
-4.6	2.0	0.2	90.5	NA	NA	NA	2.0
NA	NA	1.8	NA	NA	NA	NA	1.5
-4.4	3.8	-1.2	-45.4	NA	NA	NA	1.0
-4.5	3.9	1.6	52.9	NA	NA	NA	1.0
-4.5	4.5	1.7	110.2	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.1
-5.1	2.7	0.0	-18.2	NA	NA	NA	1.0
-5.1	0.4	-3.6	49.1	-4.2	10.0	-58.4	1.9
-4.9	1.4	1.1	66.3	NA	NA	NA	1.5
-4.1	8.0	2.7	-94.1	NA	NA	NA	1.4
-5.1	7.3	0.2	-82.0	NA	NA	NA	1.0
-4.9	8.0	-1.8	-25.8	NA	NA	NA	0.9
-5.1	5.1	-1.6	75.0	NA	NA	NA	1.0
-4.9	2.2	-1.5	-98.4	NA	NA	NA	1.4
-4.7	8.0	0.2	-40.8	NA	NA	NA	1.0
-4.9	8.0	1.0	50.7	-4.5	4.2	-51.5	1.0
-4.8	6.0	1.3	48.5	-4.4	10.0	4.9	1.0
-4.5	2.3	-1.5	-111.9	NA	NA	NA	1.4
-4.7	3.6	1.5	-55.0	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.9
-4.6	5.9	-0.4	19.3	NA	NA	NA	0.5
-4.6	2.4	-0.3	-109.7	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.9	6.8	0.1	-87.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.7	8.0	-0.2	136.3	NA	NA	NA	0.4
-4.9	8.0	-0.4	-97.4	NA	NA	NA	1.0
-4.7	8.0	-1.2	-73.5	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.4	0.3	123.5	NA	NA	NA	0.9
-4.8	3.4	2.7	-88.2	NA	NA	NA	2.0
-4.9	8.0	-0.1	-79.4	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.7	5.2	0.0	30.5	NA	NA	NA	0.3
-4.8	8.0	2.5	-99.1	NA	NA	NA	1.1
-4.7	8.0	0.9	-78.9	NA	NA	NA	1.0
-4.8	7.8	-1.0	-16.9	NA	NA	NA	1.0
-4.5	4.9	-0.8	292.5	NA	NA	NA	1.0
-4.7	6.4	0.7	-95.9	NA	NA	NA	1.2
-4.0	0.4	0.0	-64.1	NA	NA	NA	1.1
-5.4	0.9	0.8	105.2	-4.2	3.6	-150.7	2.0
-5.3	0.8	1.1	108.7	-4.4	9.7	3.8	1.2
-4.3	8.0	1.6	-96.5	NA	NA	NA	1.5
-4.6	2.6	0.8	-17.2	NA	NA	NA	1.3
NA	NA	-2.3	NA	NA	NA	NA	1.8
-4.4	2.4	-2.1	63.7	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.9
-4.9	0.6	2.2	-113.7	NA	NA	NA	2.0
-6.9	5.3	0.9	63.4	-6.1	6.6	-29.2	1.4
-4.7	8.0	0.1	70.8	NA	NA	NA	2.1
-5.2	1.8	-3.6	-66.8	NA	NA	NA	1.8
-6.0	1.1	3.4	-63.9	NA	NA	NA	1.6
-7.2	2.1	-0.3	132.1	-6.5	9.8	-143.8	3.5
-5.9	0.5	-1.9	60.7	-6.6	10.0	4.5	2.5
-6.9	2.5	-0.8	-102.1	NA	NA	NA	1.4
-6.6	2.3	-0.4	52.5	-4.5	1.2	-104.4	1.6
-5.2	8.0	-1.5	18.8	-4.1	1.2	-7.6	1.0
-6.7	8.0	-0.5	-19.8	-4.3	1.7	190.8	0.7
-4.4	1.3	-3.3	-102.3	NA	NA	NA	2.3
-5.8	1.1	3.7	-83.5	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	0.1
-5.0	1.1	-0.8	150.0	NA	NA	NA	0.7
-6.2	3.3	5.9	-88.9	NA	NA	NA	1.9
-4.9	1.1	3.7	-92.9	NA	NA	NA	1.5
-6.9	4.3	0.6	71.9	-6.5	5.6	8.4	1.2
-4.5	1.3	-0.8	197.0	NA	NA	NA	1.4
-4.8	2.1	-1.3	-87.7	NA	NA	NA	2.2
-4.5	1.0	2.5	-101.1	NA	NA	NA	1.9
NA	NA	-0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.6	-0.1	43.2	NA	NA	NA	0.3
-4.8	0.6	6.1	-127.8	NA	NA	NA	2.1
-5.3	1.5	1.3	-84.5	NA	NA	NA	1.4
-5.9	8.0	1.2	-7.9	NA	NA	NA	1.0
-4.8	3.0	0.0	152.7	NA	NA	NA	1.0
-5.4	1.1	-0.9	-107.8	NA	NA	NA	1.8
-4.4	0.8	0.6	-44.1	NA	NA	NA	1.0
-5.4	2.7	-0.6	29.0	-4.0	1.1	-38.0	1.0
-5.4	1.3	-2.1	29.7	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.5
-4.4	1.5	0.6	-70.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	1.9	-0.1	26.8	NA	NA	NA	0.4
-4.4	1.2	-0.4	-97.7	NA	NA	NA	1.3
-4.3	2.2	-1.2	-53.7	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	5.0	0.5	18.7	NA	NA	NA	0.5
NA	NA	-1.5	NA	NA	NA	NA	2.0
-4.4	1.4	0.5	-63.8	NA	NA	NA	1.1
NA	NA	-1.4	NA	NA	NA	NA	1.3
-4.2	3.2	-0.6	36.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.8
-6.1	8.0	0.4	-18.3	NA	NA	NA	1.0
-6.1	5.8	0.4	61.7	NA	NA	NA	1.0
-6.1	8.0	0.2	53.7	NA	NA	NA	1.0
-6.6	5.3	2.6	-21.7	NA	NA	NA	1.5
NA	NA	-0.8	NA	NA	NA	NA	0.7
-4.7	3.5	-0.8	51.2	NA	NA	NA	1.7
-4.5	2.5	-0.3	53.0	NA	NA	NA	1.0
-4.7	0.8	-4.2	-74.9	NA	NA	NA	1.9
-4.8	1.5	0.2	-11.9	NA	NA	NA	1.0
-5.0	3.1	0.9	44.5	NA	NA	NA	1.6
-5.0	4.3	0.8	38.7	NA	NA	NA	1.0
NA	NA	2.8	NA	NA	NA	NA	1.6
-4.7	1.7	0.8	-47.1	NA	NA	NA	1.0
-5.1	8.0	0.6	77.8	-4.8	10.0	34.1	1.0
-4.7	2.0	-0.1	121.4	NA	NA	NA	1.0
-5.4	3.6	0.3	-25.1	NA	NA	NA	1.0
-6.3	2.7	-0.7	-49.3	NA	NA	NA	1.1
-6.7	8.0	2.3	37.0	-6.4	4.1	-34.8	1.7
-6.7	8.0	1.4	31.1	-6.5	10.0	-5.1	1.6
-4.8	4.7	-1.5	-42.8	NA	NA	NA	2.1
-4.5	5.6	1.4	-31.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	3.5	-0.5	15.0	NA	NA	NA	0.4
-4.2	8.0	1.1	-95.3	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-6.6	2.6	-2.9	-31.4	-5.9	10.0	-13.6	0.8
-6.7	8.0	0.3	36.9	-6.3	10.0	6.3	1.0
-6.8	5.3	0.7	15.7	NA	NA	NA	1.3
-6.7	8.0	4.3	-40.5	NA	NA	NA	2.6
NA	NA	1.8	NA	NA	NA	NA	0.7
-4.3	1.4	0.3	40.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
NA	NA	3.4	NA	NA	NA	NA	1.5
-4.8	1.9	0.2	-16.9	NA	NA	NA	0.8
-4.4	1.3	-1.2	89.1	NA	NA	NA	1.9
-4.5	1.6	0.7	71.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-5.1	3.2	-0.2	-10.6	NA	NA	NA	0.6
-5.1	1.6	0.0	68.7	NA	NA	NA	1.8
-4.8	1.4	-0.9	90.1	-4.1	10.0	37.8	1.0
NA	NA	0.3	NA	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.1
-4.4	8.0	-5.8	76.1	NA	NA	NA	2.1
-4.4	8.0	-1.1	60.4	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.8	4.3	-1.4	34.0	NA	NA	NA	1.4
-4.7	3.9	-0.7	29.8	NA	NA	NA	1.0
NA	NA	4.0	NA	NA	NA	NA	1.6
-4.6	6.9	0.1	-38.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.2
-4.5	5.2	0.5	24.3	NA	NA	NA	1.0
-4.5	1.5	0.5	-97.7	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.6
-4.8	3.1	-0.7	35.4	NA	NA	NA	1.1
-5.0	2.0	0.1	22.2	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.5
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.6	1.9	-1.0	211.2	NA	NA	NA	1.4
-4.5	1.7	0.5	134.7	NA	NA	NA	1.3
NA	NA	-1.9	NA	NA	NA	NA	2.0
-4.6	2.6	-1.8	41.2	NA	NA	NA	1.0
-4.4	1.4	-2.5	600.4	NA	NA	NA	1.6
-4.4	1.3	-0.9	200.0	NA	NA	NA	1.0
NA	NA	-4.2	NA	NA	NA	NA	1.8
-4.7	1.7	-0.2	23.7	NA	NA	NA	1.0
-4.7	1.3	-1.4	718.1	NA	NA	NA	1.2
-4.6	1.3	-0.2	420.2	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.5
-4.7	6.4	-0.7	8.7	NA	NA	NA	1.0
-4.6	1.4	-0.1	219.0	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.3	-0.3	111.6	NA	NA	NA	0.4
NA	NA	-1.6	NA	NA	NA	NA	0.4
-4.5	2.2	-2.3	17.6	NA	NA	NA	1.0
-4.3	1.1	-0.4	434.7	NA	NA	NA	1.0
-4.5	1.2	0.5	230.0	NA	NA	NA	0.9
NA	NA	-5.2	NA	NA	NA	NA	1.6
-4.7	2.2	-2.4	32.3	NA	NA	NA	1.0
-4.7	1.7	0.0	218.8	NA	NA	NA	0.5
-4.7	1.4	0.5	85.5	NA	NA	NA	0.3
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.8	1.8	0.3	6.3	NA	NA	NA	1.0
-4.6	1.6	-0.2	150.2	NA	NA	NA	1.0
-4.6	1.6	-0.3	97.9	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.6
-5.0	3.8	0.4	-46.5	-4.4	10.0	-9.3	0.8
NA	NA	0.7	NA	NA	NA	NA	0.3
-4.9	8.0	-0.1	42.3	-4.6	6.3	2.4	0.5
-5.0	4.0	1.5	-75.1	-4.5	9.9	-13.9	1.5
-4.6	4.5	-1.5	-78.1	NA	NA	NA	1.0
-4.5	8.0	0.2	-31.8	NA	NA	NA	1.0
-4.3	2.7	0.9	115.5	NA	NA	NA	1.0
-4.5	4.2	0.6	-83.3	NA	NA	NA	1.2
-4.3	1.9	-0.3	-76.0	NA	NA	NA	1.0
-4.1	4.3	-2.6	-196.9	NA	NA	NA	1.5
-4.7	8.0	-1.0	24.4	-4.2	4.9	-15.7	0.9
-4.2	2.2	0.4	-128.1	NA	NA	NA	1.5
-4.2	3.7	0.7	-86.6	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	0.3
-4.2	4.0	-1.2	102.5	NA	NA	NA	1.0
-4.3	2.7	0.1	-125.0	NA	NA	NA	1.7
-4.2	4.8	0.7	-117.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.4	-0.2	186.4	NA	NA	NA	0.4
-4.4	3.8	-1.1	-99.7	NA	NA	NA	1.0
-4.3	2.6	0.3	-109.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	4.2	0.0	191.6	NA	NA	NA	0.9
-4.6	2.4	1.2	-95.0	NA	NA	NA	2.4
-4.3	2.5	0.2	-106.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.4	0.0	35.2	NA	NA	NA	0.3
-4.4	8.0	-0.2	-98.9	NA	NA	NA	1.0
-4.4	8.0	1.5	-84.6	NA	NA	NA	1.1
-4.4	8.0	0.3	-17.2	NA	NA	NA	1.0
-4.1	5.3	0.2	285.2	NA	NA	NA	1.0
-4.1	3.3	-1.8	-122.9	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
NA	NA	3.1	NA	NA	NA	NA	0.9
-4.1	8.0	-1.0	62.6	NA	NA	NA	1.4
NA	NA	-3.0	NA	NA	NA	NA	0.8
NA	NA	1.1	NA	NA	NA	NA	1.3
NA	NA	0.8	NA	NA	NA	NA	0.7
-4.4	8.0	-2.2	138.2	NA	NA	NA	1.8
-4.6	4.4	-0.6	45.4	NA	NA	NA	1.0
NA	NA	-4.9	NA	NA	NA	NA	1.8
NA	NA	-0.2	NA	NA	NA	NA	0.5
-4.4	5.4	0.9	41.8	NA	NA	NA	1.0
-4.5	4.3	0.5	31.8	NA	NA	NA	0.5
NA	NA	-2.6	NA	NA	NA	NA	1.6
-5.9	1.6	-0.7	-22.4	-4.3	3.5	13.7	0.6
-5.1	0.6	0.1	160.9	NA	NA	NA	1.9
-5.6	1.0	1.5	103.9	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	0.9
-6.3	3.9	2.0	-18.1	-4.1	2.6	27.3	1.2
-5.4	0.7	-2.3	189.7	NA	NA	NA	2.1
-5.8	1.1	-0.9	107.4	-4.1	3.3	79.4	1.1
NA	NA	1.7	NA	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.4	1.7	-0.2	75.0	NA	NA	NA	1.0
-4.6	3.3	-0.2	42.1	NA	NA	NA	0.9
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.3	2.2	0.3	-32.2	NA	NA	NA	1.0
-4.3	1.8	0.4	46.3	NA	NA	NA	1.0
-4.2	2.2	-0.3	71.5	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.9
-4.5	1.3	2.2	-54.7	NA	NA	NA	1.0
-5.1	1.8	-1.9	45.7	-4.6	9.8	-26.0	1.3
-5.0	2.3	-2.1	47.0	-4.7	10.0	-7.8	1.1
-5.2	6.4	-0.3	13.7	-4.6	10.0	-95.5	1.1
-5.0	3.3	-0.5	-40.3	NA	NA	NA	1.0
-5.4	2.0	-5.8	86.0	-4.6	3.2	-147.8	1.7
-5.3	3.4	-1.7	71.1	-4.7	3.7	-26.4	1.0
-4.7	3.9	0.9	-105.4	NA	NA	NA	1.3
-4.9	3.3	0.9	-24.1	NA	NA	NA	1.0
-5.0	4.9	0.1	33.3	-4.6	7.8	2.1	0.5
-5.0	5.4	-0.1	37.1	-4.7	9.6	10.5	0.9
-4.9	3.4	-0.4	-100.5	NA	NA	NA	1.6
-4.5	3.7	-0.3	-36.5	NA	NA	NA	1.0
-5.2	3.9	-0.6	25.0	NA	NA	NA	1.0
-4.0	0.9	0.3	125.4	NA	NA	NA	1.0
-4.4	4.2	-3.2	-72.1	NA	NA	NA	2.2
-4.7	1.7	0.8	-21.2	NA	NA	NA	1.0
-4.5	1.0	-6.3	143.2	NA	NA	NA	1.7



ga	gw	zr	tp	la	lw	bt	er
-4.5	1.1	-2.8	112.1	NA	NA	NA	1.1
NA	NA	1.1	NA	NA	NA	NA	1.6
-4.5	1.1	1.6	-118.1	NA	NA	NA	1.0
-4.9	1.5	0.1	-11.2	NA	NA	NA	0.5
-4.3	3.4	-0.3	129.2	NA	NA	NA	0.4
-4.8	5.0	-1.9	-98.3	NA	NA	NA	2.0
-4.4	1.2	0.4	-105.6	NA	NA	NA	1.3
-4.5	8.0	0.4	-15.5	NA	NA	NA	1.0
-4.3	2.6	0.3	140.7	NA	NA	NA	0.9
-4.4	1.1	-1.2	-117.4	NA	NA	NA	1.6
-4.5	0.7	2.8	-111.4	NA	NA	NA	1.4
-4.8	7.8	1.7	19.8	-4.5	8.7	-21.9	1.0
-6.1	2.8	0.3	21.0	NA	NA	NA	1.3
-4.6	1.0	-2.0	-123.0	NA	NA	NA	1.6
NA	NA	0.3	NA	NA	NA	NA	0.6
-7.2	0.4	-10.6	12.6	NA	NA	NA	1.7
-5.3	7.6	-0.7	11.7	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.5
NA	NA	-1.0	NA	NA	NA	NA	1.0
-4.5	1.0	-1.5	51.2	NA	NA	NA	1.2
-4.5	1.4	-0.6	51.0	NA	NA	NA	1.0
NA	NA	-8.1	NA	NA	NA	NA	1.6
NA	NA	0.5	NA	NA	NA	NA	0.4
-4.4	2.1	-1.9	69.2	NA	NA	NA	1.0
-4.5	2.4	-0.8	36.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.7
NA	NA	0.8	NA	NA	NA	NA	1.2
-4.2	2.1	1.0	235.3	NA	NA	NA	2.0
-4.1	3.3	-0.7	94.6	NA	NA	NA	1.1
NA	NA	2.2	NA	NA	NA	NA	1.6
-5.1	0.5	0.5	18.6	NA	NA	NA	1.3
-4.1	1.0	0.7	272.0	NA	NA	NA	1.0
-4.1	1.1	-0.9	155.9	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	2.0
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.3	1.3	0.4	88.6	NA	NA	NA	0.5
-4.3	1.4	0.2	47.0	NA	NA	NA	0.4
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	-3.2	NA	NA	NA	NA	0.8
-4.3	1.2	0.0	265.4	NA	NA	NA	1.0
-4.3	1.2	1.3	171.1	NA	NA	NA	0.9
NA	NA	7.0	NA	NA	NA	NA	1.6
NA	NA	1.3	NA	NA	NA	NA	0.7
-4.3	1.9	0.7	80.4	NA	NA	NA	0.5
-4.3	1.9	0.2	33.0	NA	NA	NA	0.3
NA	NA	1.7	NA	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.2	NA	NA	NA	NA	0.3
-4.4	1.3	1.6	85.6	NA	NA	NA	1.0
-4.3	1.4	0.3	47.2	NA	NA	NA	1.0
NA	NA	-3.6	NA	NA	NA	NA	2.3
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.6	2.3	2.4	49.5	NA	NA	NA	1.3
NA	NA	2.9	NA	NA	NA	NA	1.3
NA	NA	-3.7	NA	NA	NA	NA	1.6
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.6	2.6	-5.0	126.4	NA	NA	NA	1.4
-4.6	1.8	-1.7	58.0	NA	NA	NA	1.0
-4.8	5.2	-4.3	-44.0	NA	NA	NA	2.0
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.4	1.2	-0.1	191.0	NA	NA	NA	1.0
-4.6	1.2	-0.2	96.6	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.2
-4.7	1.8	0.2	55.9	NA	NA	NA	0.5
-4.7	1.8	-0.1	34.4	NA	NA	NA	0.4
NA	NA	-1.0	NA	NA	NA	NA	0.5
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.5	1.3	-0.2	121.9	NA	NA	NA	1.0
-4.6	1.7	0.5	80.4	NA	NA	NA	0.9
NA	NA	-4.2	NA	NA	NA	NA	2.4
NA	NA	0.5	NA	NA	NA	NA	1.3
-4.7	1.8	0.7	52.0	NA	NA	NA	0.5
-4.6	2.4	0.3	23.5	NA	NA	NA	0.3
NA	NA	0.5	NA	NA	NA	NA	1.1
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.8	1.2	-0.4	43.0	NA	NA	NA	1.0
-4.5	2.0	0.1	42.6	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.3
NA	NA	0.9	NA	NA	NA	NA	0.7
-4.3	1.8	-0.3	92.4	NA	NA	NA	1.2
-4.3	1.8	-0.5	50.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	0.9
-4.2	2.5	0.8	245.8	NA	NA	NA	1.8
-4.3	2.2	-0.5	110.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.6
-4.3	2.4	-1.3	17.9	NA	NA	NA	1.0
-4.2	1.0	-0.5	384.2	NA	NA	NA	1.1
-4.1	0.9	0.8	197.1	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	2.0
NA	NA	-0.6	NA	NA	NA	NA	0.3
-4.4	1.4	0.1	78.9	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.5	0.2	57.5	NA	NA	NA	0.4
-4.2	6.0	0.7	-70.6	NA	NA	NA	1.4
NA	NA	1.1	NA	NA	NA	NA	1.4
-4.1	0.9	0.2	121.3	NA	NA	NA	1.0
-4.1	1.2	-0.2	90.9	NA	NA	NA	0.9
NA	NA	0.6	NA	NA	NA	NA	1.8
-5.4	0.4	-3.8	5.4	NA	NA	NA	1.0
-4.2	1.0	0.2	96.1	NA	NA	NA	0.5
-4.4	1.2	0.4	40.2	NA	NA	NA	0.3
NA	NA	-1.7	NA	NA	NA	NA	1.4
NA	NA	2.1	NA	NA	NA	NA	1.1
-4.5	0.9	0.1	53.5	NA	NA	NA	1.0
-4.4	1.2	-0.2	37.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	2.1
-4.4	3.0	0.9	-26.2	NA	NA	NA	1.0
-4.4	2.1	0.4	37.3	NA	NA	NA	1.0
-4.4	3.4	0.1	42.1	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.2
-6.8	8.0	-1.1	-26.7	NA	NA	NA	1.2
-6.3	8.0	1.6	-32.3	-5.2	10.0	61.8	1.6
-6.3	8.0	1.1	-13.3	-5.2	10.0	71.0	1.3
-6.3	5.5	-2.2	18.8	NA	NA	NA	1.8
NA	NA	-2.9	NA	NA	NA	NA	1.4
-6.6	4.2	0.1	24.0	-5.0	6.7	-1.4	1.0
-6.7	8.0	0.2	23.6	-5.1	3.4	-1.4	0.9
NA	NA	-3.7	NA	NA	NA	NA	2.0
-4.6	1.4	-1.3	-24.7	NA	NA	NA	1.3
-5.0	2.0	-1.3	47.8	NA	NA	NA	1.8
-4.7	1.6	-0.7	69.1	NA	NA	NA	1.9
NA	NA	1.0	NA	NA	NA	NA	2.0
-5.3	2.5	-1.1	-26.6	-4.4	9.9	-11.2	0.7
-5.6	1.7	2.1	62.7	NA	NA	NA	2.1
-5.4	1.8	2.7	84.5	-4.0	10.0	31.0	1.4
-5.2	2.7	-3.0	63.1	-4.5	9.6	19.0	1.5
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.6	4.7	-0.1	32.0	-4.2	4.9	7.0	0.6
-4.6	1.6	-0.9	20.2	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.6
-5.0	1.4	0.7	-52.4	NA	NA	NA	1.0
-4.6	8.0	-0.9	-28.8	NA	NA	NA	1.0
-5.2	8.0	-1.8	20.0	-4.7	10.0	-4.6	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.4
-4.7	0.7	-0.8	-35.7	NA	NA	NA	1.0
-4.7	0.6	-1.5	71.9	-4.1	10.0	-116.1	2.1
-4.6	0.7	-0.5	90.3	-4.2	10.0	4.9	1.4
-4.4	8.0	-0.7	-92.6	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.7	4.8	1.5	-81.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	3.2	-0.3	94.0	NA	NA	NA	0.4
-4.6	3.3	-1.0	-95.7	NA	NA	NA	1.0
-4.6	8.0	-0.3	-53.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.6	2.9	0.0	52.9	NA	NA	NA	0.9
-4.8	5.4	1.2	-74.6	NA	NA	NA	1.4
-4.6	1.8	0.5	-35.3	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.2	1.5	-0.1	18.2	NA	NA	NA	1.0
-4.3	2.4	1.5	-74.2	NA	NA	NA	1.6
NA	NA	1.4	NA	NA	NA	NA	0.9
-4.3	8.0	1.1	63.4	NA	NA	NA	1.0
-4.1	5.4	0.8	43.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.9
-5.1	8.0	1.7	-16.0	-4.1	3.3	7.2	0.8
-5.3	7.9	-1.0	108.0	-4.6	1.3	28.8	1.4
-5.1	5.1	-1.5	62.6	-4.4	9.0	25.1	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.1	3.7	-3.0	-43.3	NA	NA	NA	1.5
-6.0	8.0	-2.0	80.4	-4.9	1.2	-166.0	2.0
-5.9	8.0	1.0	59.8	-5.2	2.9	-22.8	1.3
-4.3	1.1	0.2	-133.0	NA	NA	NA	1.9
-4.4	3.1	0.5	-65.6	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.4	4.7	-0.5	29.5	NA	NA	NA	0.4
-4.4	8.0	-1.0	-71.9	NA	NA	NA	1.7
-4.6	8.0	0.9	-60.0	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	5.9	0.0	60.2	NA	NA	NA	0.9
-5.2	1.7	-2.7	-78.7	NA	NA	NA	2.0
-4.3	0.8	-3.6	-95.4	NA	NA	NA	1.1
-4.1	5.4	0.0	-33.5	NA	NA	NA	1.0
-4.3	1.1	3.0	88.3	NA	NA	NA	1.0
-4.4	6.2	3.5	-86.5	NA	NA	NA	1.6
-4.7	8.0	-0.4	-83.0	NA	NA	NA	0.5
-4.6	3.3	1.5	-53.2	NA	NA	NA	1.4
-4.5	8.0	1.7	41.5	NA	NA	NA	1.6
-4.6	8.0	0.3	-96.9	NA	NA	NA	1.1
-4.5	0.7	0.0	-78.0	NA	NA	NA	1.3
-5.8	8.0	0.1	62.0	-4.7	2.9	-144.9	2.0
-5.8	2.4	-0.6	63.3	-5.0	4.7	-20.8	1.3
-4.8	1.5	1.7	-111.7	NA	NA	NA	1.3
-4.5	4.5	0.2	-88.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	4.6	-0.3	85.1	NA	NA	NA	0.4
-4.5	8.0	-0.3	-98.5	NA	NA	NA	1.3
-4.2	3.7	-2.0	-108.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.2	4.3	0.7	180.3	NA	NA	NA	0.9
-4.7	2.0	2.4	-113.7	NA	NA	NA	1.6
-4.3	1.3	1.1	-117.1	NA	NA	NA	1.4
-4.4	8.0	1.3	-25.2	NA	NA	NA	1.0
-4.0	0.9	-0.3	117.5	NA	NA	NA	1.0
-4.4	8.0	-3.3	-102.4	NA	NA	NA	2.2
-4.6	8.0	-2.4	-84.0	NA	NA	NA	1.1
-4.8	2.2	9.3	-46.3	NA	NA	NA	1.8
-4.5	8.0	7.1	45.1	NA	NA	NA	2.0
-4.6	8.0	2.2	-96.7	NA	NA	NA	1.1
-4.6	0.7	-1.5	-82.5	NA	NA	NA	1.5
-6.3	3.4	-4.5	60.7	-4.7	1.2	-176.0	2.4
-6.2	3.0	-1.2	47.1	-5.0	9.8	-9.8	1.3
-5.0	1.8	1.5	-115.4	NA	NA	NA	1.2
-5.1	1.7	1.0	39.8	-4.5	10.0	-73.0	1.0
-4.4	3.5	0.1	-39.4	NA	NA	NA	1.0
-4.2	8.0	-2.1	79.6	NA	NA	NA	1.0
-4.9	4.0	1.7	-82.9	NA	NA	NA	2.2
-4.5	7.8	1.2	-92.2	NA	NA	NA	1.0
-4.6	6.8	0.3	-7.5	NA	NA	NA	0.5
-4.3	3.9	-0.2	127.7	NA	NA	NA	0.4
-4.6	8.0	1.5	-100.2	NA	NA	NA	1.4
-4.5	7.8	-1.1	-78.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.2	0.8	189.8	NA	NA	NA	0.9
-4.7	2.0	5.1	-120.3	NA	NA	NA	1.6
-4.5	8.0	1.4	-75.7	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	7.9	-0.2	14.1	NA	NA	NA	0.3
-4.5	6.4	1.7	-98.4	NA	NA	NA	1.6
-4.4	1.2	2.7	-117.6	NA	NA	NA	1.2
-4.4	4.0	1.5	-30.1	NA	NA	NA	1.0
-4.2	2.0	-0.2	194.7	NA	NA	NA	1.0
-4.5	7.4	-0.8	-106.2	NA	NA	NA	2.0
-4.1	8.0	1.4	-77.1	NA	NA	NA	1.3
-5.7	7.5	4.3	73.0	-4.5	2.3	-184.2	1.6
-5.7	6.3	0.5	59.8	-4.7	10.0	-22.6	1.0
-4.2	2.0	-1.5	-126.1	NA	NA	NA	1.2
-4.5	3.8	-0.5	-79.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	5.0	0.1	35.0	NA	NA	NA	0.4
-4.5	8.0	2.2	-99.2	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	0.4	-90.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.3
-4.2	7.3	0.0	92.2	NA	NA	NA	0.5
-4.6	3.7	-3.0	-71.6	NA	NA	NA	1.5
-4.4	1.2	0.7	-103.5	NA	NA	NA	1.1
-4.3	7.2	0.4	-23.2	NA	NA	NA	1.0
-4.2	1.3	0.1	168.9	NA	NA	NA	1.0
-4.1	6.3	-2.6	-127.6	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	0.8
-4.4	4.2	3.0	66.6	NA	NA	NA	1.6
-4.4	2.6	0.6	52.3	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	0.5
-5.0	3.6	1.2	21.3	NA	NA	NA	1.0
-4.6	3.4	1.0	27.8	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	1.2
-4.8	8.0	-1.6	23.5	NA	NA	NA	1.5
-4.8	4.4	-1.9	21.4	NA	NA	NA	1.3
NA	NA	-2.8	NA	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	0.8
-4.1	3.9	0.6	78.1	NA	NA	NA	1.4
-4.2	3.0	1.9	70.2	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.8
NA	NA	2.1	NA	NA	NA	NA	0.5
-4.3	8.0	0.1	77.3	NA	NA	NA	1.5
-4.3	8.0	-0.7	36.0	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	2.0
-4.3	2.2	3.1	-53.2	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.8	-0.6	22.6	NA	NA	NA	0.4
-6.1	8.0	-2.3	-25.7	-5.2	2.9	21.3	1.6
-4.7	8.0	-0.5	-23.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.3
-4.5	6.1	0.6	11.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.0
-5.9	1.1	1.0	-19.3	NA	NA	NA	1.2
-4.5	0.8	-0.8	126.3	NA	NA	NA	1.9
-4.6	0.7	-1.3	117.3	NA	NA	NA	1.3
NA	NA	3.6	NA	NA	NA	NA	1.2
-4.2	3.5	0.2	-98.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	3.0	0.0	52.5	NA	NA	NA	0.4
-4.9	8.0	0.7	-46.5	-4.4	5.9	-13.4	1.2
-5.7	8.0	-0.3	-20.4	-4.1	1.1	18.6	0.9
-5.7	8.0	0.2	43.0	-4.4	3.9	-52.7	1.7

ga	gw	zr	tp	la	lw	bt	er
-5.7	8.0	0.5	53.5	-4.4	2.1	-22.1	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.5
-4.4	0.4	1.5	-47.0	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.7
-6.2	2.6	1.1	10.1	NA	NA	NA	0.5
NA	NA	0.2	NA	NA	NA	NA	1.7
NA	NA	-0.5	NA	NA	NA	NA	1.4
-4.3	3.3	-0.3	52.9	NA	NA	NA	1.5
-4.4	3.0	-0.2	37.3	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.2
-4.6	5.8	-0.6	-42.9	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.4
-4.4	4.3	-0.1	86.7	NA	NA	NA	1.0
-4.5	8.0	3.0	-67.7	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	0.1
-4.2	8.0	-0.9	80.6	NA	NA	NA	1.0
-4.2	8.0	-1.0	78.5	NA	NA	NA	0.5
NA	NA	-0.2	NA	NA	NA	NA	0.7
NA	NA	0.5	NA	NA	NA	NA	1.0
-4.2	4.2	0.3	39.3	NA	NA	NA	1.0
-4.2	5.5	0.0	39.1	NA	NA	NA	0.9
NA	NA	-3.1	NA	NA	NA	NA	1.9
-4.3	2.7	0.4	-35.7	NA	NA	NA	1.0
-4.7	8.0	1.2	38.9	NA	NA	NA	1.1
-4.5	8.0	0.7	48.7	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.1	4.7	-2.2	57.7	NA	NA	NA	1.5
-4.2	3.4	-1.5	52.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.7	3.0	-1.4	-62.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.4
-4.8	2.5	0.9	42.4	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.3
-5.8	1.6	-0.9	-27.3	NA	NA	NA	1.0
-5.9	1.4	1.6	88.4	-4.8	2.1	-45.4	2.0
-5.7	2.4	1.6	81.2	-5.0	2.2	23.5	1.4
-5.2	4.4	1.6	-62.4	NA	NA	NA	1.6
-4.3	2.4	1.9	-102.7	NA	NA	NA	1.0
-4.7	0.8	-3.3	26.0	-4.3	10.0	-26.5	1.4
-4.8	8.0	-2.0	27.6	NA	NA	NA	1.1
-4.2	8.0	1.3	-123.9	NA	NA	NA	1.0
-5.0	1.1	-1.3	-24.7	-4.0	10.0	-3.2	1.1
-5.5	1.6	0.6	60.8	-4.4	10.0	-40.2	1.5
-5.1	1.2	3.6	68.0	-4.4	10.0	3.9	1.5
-4.4	8.0	0.3	-87.1	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.2	5.9	-0.2	-36.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.3
-4.2	8.0	0.3	34.4	NA	NA	NA	0.5
NA	NA	-0.7	NA	NA	NA	NA	1.9
-4.4	4.5	-1.1	-78.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.1	2.8	0.1	83.9	NA	NA	NA	0.4
-4.5	4.3	-2.5	-92.0	NA	NA	NA	1.2
-4.2	8.0	1.7	-57.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.4	37.6	NA	NA	NA	0.5
NA	NA	1.7	NA	NA	NA	NA	2.3
-4.1	8.0	-1.5	-40.7	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.1	8.0	-0.4	32.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.7
-4.3	3.5	-1.9	-28.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	3.9	0.5	19.6	NA	NA	NA	0.4
NA	NA	-0.7	NA	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.4	1.3	-2.4	104.5	NA	NA	NA	1.8
-4.4	2.5	-0.3	77.0	NA	NA	NA	1.2
NA	NA	0.5	NA	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.0
-4.7	3.9	-3.1	61.4	-4.3	10.0	7.0	1.5
-4.4	1.8	-3.6	83.2	-4.2	10.0	14.5	1.1
-4.5	2.8	0.6	-48.9	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	0.9
-4.4	7.5	-0.2	47.1	NA	NA	NA	1.2
-4.4	8.0	1.3	47.0	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.2
NA	NA	-3.9	NA	NA	NA	NA	0.7
-4.8	4.0	-0.8	38.2	NA	NA	NA	1.0
-4.8	7.9	1.2	26.7	NA	NA	NA	0.9
NA	NA	0.4	NA	NA	NA	NA	2.0
NA	NA	-2.5	NA	NA	NA	NA	0.4
-4.7	3.6	-2.3	38.7	NA	NA	NA	1.3
-4.7	3.0	1.2	32.8	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.9
-5.3	2.8	-1.1	-39.6	-4.4	3.4	-6.2	0.7
-5.6	3.0	3.3	35.2	-5.1	10.0	-27.4	1.6
-5.6	2.7	2.5	37.8	-5.0	10.0	-6.7	1.3
NA	NA	0.7	NA	NA	NA	NA	1.7
NA	NA	-1.6	NA	NA	NA	NA	0.9
-5.5	8.0	-0.5	29.8	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-5.5	8.0	-0.3	25.8	NA	NA	NA	0.9
-5.4	1.3	-1.7	-25.7	NA	NA	NA	1.9
-5.0	3.4	-0.5	-25.4	NA	NA	NA	1.0
-5.1	8.0	0.5	20.4	NA	NA	NA	1.0
-4.9	3.4	-0.2	45.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.5
-4.6	2.6	0.8	-36.9	NA	NA	NA	1.0
-5.8	7.7	0.7	11.8	-4.8	2.8	-20.1	1.0
NA	NA	1.3	NA	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.7
-4.6	8.0	1.8	-41.0	NA	NA	NA	1.1
-5.3	4.9	-7.4	55.6	-4.8	10.0	-117.2	1.9
NA	NA	-4.5	NA	NA	NA	NA	1.5
-4.7	4.7	0.9	-91.6	NA	NA	NA	1.7
-4.3	4.5	1.5	-107.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	5.9	-0.2	111.7	NA	NA	NA	0.4
-4.3	5.9	-2.2	-124.1	NA	NA	NA	1.3
-4.8	2.7	0.4	-36.0	NA	NA	NA	1.0
-4.8	7.4	0.4	8.5	NA	NA	NA	1.0
-4.7	4.8	-0.1	25.2	NA	NA	NA	0.9
-4.7	5.5	-1.0	-70.3	NA	NA	NA	1.1
-4.2	4.1	0.3	-70.7	NA	NA	NA	1.1
-4.7	8.0	-0.2	21.3	-4.2	2.9	-19.2	1.0
-4.3	2.6	-0.3	59.6	NA	NA	NA	1.0
-4.3	2.8	-1.3	-102.9	NA	NA	NA	1.3
-5.5	2.4	-1.2	-21.0	NA	NA	NA	1.0
-4.9	0.8	-5.9	148.6	-4.0	10.0	78.8	2.1
-5.4	1.5	-0.6	88.2	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	1.9
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.7	1.8	-2.3	57.8	NA	NA	NA	1.0
-4.6	1.6	-1.5	58.8	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.4
-4.5	0.9	-1.2	-79.4	NA	NA	NA	1.3
-4.7	0.8	-1.0	-22.2	NA	NA	NA	1.0
-4.3	3.9	1.0	74.5	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	2.1
-4.5	2.2	0.9	-80.7	NA	NA	NA	1.0
-4.6	3.5	-0.1	-6.7	NA	NA	NA	0.5
-4.2	1.9	-0.2	40.0	NA	NA	NA	0.4
NA	NA	-0.7	NA	NA	NA	NA	0.7
-4.6	1.0	-0.4	-76.9	NA	NA	NA	1.5
-5.3	1.7	-0.1	-9.3	NA	NA	NA	1.0
-4.3	2.5	-0.1	58.1	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.0	-2.2	-96.6	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	0.2
-4.3	2.6	0.3	25.9	NA	NA	NA	0.3
NA	NA	-2.5	NA	NA	NA	NA	1.2
-4.5	1.7	1.5	-70.6	NA	NA	NA	1.0
-4.4	7.7	0.7	-12.4	NA	NA	NA	1.0
-4.2	2.2	0.0	63.6	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.8
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.5	1.7	0.2	55.7	NA	NA	NA	1.2
-4.5	3.6	0.2	47.3	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.0
-4.8	5.7	-2.0	-84.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.4	2.1	0.1	176.0	NA	NA	NA	0.4
-4.9	6.5	0.7	-101.0	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	0.7
-4.4	8.0	-0.7	48.2	NA	NA	NA	1.5
-4.3	8.0	-1.6	47.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.5
-5.1	2.0	0.2	-21.8	NA	NA	NA	1.0
-5.4	8.0	-0.3	55.2	-5.0	10.0	18.5	1.0
-5.4	8.0	-0.3	37.4	NA	NA	NA	1.0
-4.9	3.8	1.8	-61.1	NA	NA	NA	1.4
-4.3	1.4	0.5	-16.8	NA	NA	NA	0.8
-4.9	0.9	-0.5	74.8	NA	NA	NA	1.9
-4.5	0.8	-1.7	60.4	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	1.5
NA	NA	0.3	NA	NA	NA	NA	1.5
-5.2	1.5	1.5	61.6	-4.6	10.0	-154.4	1.4
-5.3	3.5	0.6	38.7	-4.5	5.8	-36.0	1.0
-4.7	8.0	-0.5	-64.7	NA	NA	NA	1.6
-4.5	8.0	-1.1	-68.4	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.9	8.0	0.2	55.5	-4.4	10.0	6.8	0.4
-5.7	4.7	1.8	16.2	-4.6	4.3	-100.8	0.8
-4.9	5.7	0.5	-11.7	NA	NA	NA	1.0
-5.2	4.8	-0.1	38.2	-4.8	9.6	2.8	1.0
-5.2	8.0	-0.4	34.5	-5.0	10.0	8.7	0.9
-5.0	8.0	1.7	-69.8	NA	NA	NA	2.2
-5.0	8.0	-1.0	-26.7	NA	NA	NA	1.0
-5.2	1.6	-0.3	88.7	-5.0	3.3	0.8	1.0
-5.0	1.8	0.5	120.0	-4.8	10.0	20.6	0.6
-5.2	4.9	1.5	-70.6	NA	NA	NA	1.7
-4.4	4.2	0.8	-38.1	NA	NA	NA	1.0
-4.5	8.0	1.6	38.6	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	0.5	57.5	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.9
-4.2	2.3	0.7	60.1	NA	NA	NA	1.9
-4.2	3.0	-0.7	40.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.5
-4.5	1.2	-3.4	-31.4	NA	NA	NA	1.1
-5.4	8.0	0.2	18.3	-4.0	2.0	-17.7	1.3
-5.3	5.4	1.4	22.0	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.1
-4.6	1.0	2.0	-52.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.6
-4.6	5.1	0.3	27.6	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.0
-5.1	5.9	-1.0	-15.4	NA	NA	NA	1.0
NA	NA	4.0	NA	NA	NA	NA	2.0
-4.6	6.0	3.2	29.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.2	3.9	0.5	-45.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.2
-4.3	2.0	0.0	34.4	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.4	1.4	-0.5	36.0	NA	NA	NA	1.0
-4.2	2.4	-0.1	40.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.6
-4.4	6.1	-0.5	-48.6	NA	NA	NA	1.0
-4.4	7.3	0.3	168.4	NA	NA	NA	1.0
-4.4	8.0	-0.8	195.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.3
-5.0	2.0	1.1	-43.2	NA	NA	NA	1.0
-4.8	0.9	-1.8	96.3	-4.6	10.0	9.6	1.5
-4.9	1.3	-0.8	102.2	-4.6	10.0	18.1	1.0
NA	NA	-3.2	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	1.3
-5.3	4.6	0.0	31.6	NA	NA	NA	1.0
-5.3	8.0	0.1	24.4	NA	NA	NA	0.9
NA	NA	0.7	NA	NA	NA	NA	1.9
-4.6	7.5	2.0	-20.3	NA	NA	NA	1.0
-4.6	3.0	-8.4	77.2	NA	NA	NA	1.9
-4.6	4.8	-3.5	59.0	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	0.9
-4.6	8.0	4.8	44.4	NA	NA	NA	2.1
-4.7	8.0	2.2	43.8	NA	NA	NA	1.8
NA	NA	-3.4	NA	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.3	NA	NA	NA	NA	0.6
-4.4	0.7	-0.3	62.7	-4.2	10.0	-51.4	1.9
-4.6	2.2	-1.3	37.5	-4.2	10.0	-29.7	1.0
-4.1	7.3	0.7	-73.8	NA	NA	NA	1.3
-4.3	1.2	-1.1	-28.1	NA	NA	NA	0.7
NA	NA	0.9	NA	NA	NA	NA	1.7
-4.5	1.8	1.5	48.1	NA	NA	NA	1.1
NA	NA	-1.8	NA	NA	NA	NA	1.4
NA	NA	-2.1	NA	NA	NA	NA	1.4
-6.3	1.0	-2.6	73.0	-4.7	10.0	52.3	1.5
-6.5	1.3	-1.1	45.4	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.5
-5.9	0.7	0.3	-14.6	NA	NA	NA	1.0
-6.1	1.8	-1.3	125.0	-5.9	4.0	85.4	1.0
-6.0	1.6	0.0	103.6	-5.8	9.9	81.1	1.0
NA	NA	0.5	NA	NA	NA	NA	1.7
-5.8	1.8	-1.1	-33.6	NA	NA	NA	1.2
-5.8	1.5	-1.5	87.6	NA	NA	NA	1.5
-5.7	1.6	0.1	102.6	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.0
-5.0	1.0	-0.8	-15.3	NA	NA	NA	1.0
-4.5	0.9	-1.4	80.6	NA	NA	NA	2.1
-4.4	1.0	1.0	75.0	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.5
-4.2	6.5	-1.3	-75.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.6	0.1	37.1	NA	NA	NA	0.4
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.3	2.6	-3.5	-55.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	2.5	1.5	41.2	NA	NA	NA	0.9
-4.5	8.0	5.7	-59.5	NA	NA	NA	1.8
-4.4	6.0	1.2	-27.1	NA	NA	NA	1.0
-4.8	1.4	0.4	15.2	-4.3	5.6	-5.2	1.0
NA	NA	0.3	NA	NA	NA	NA	0.4
NA	NA	2.2	NA	NA	NA	NA	1.9
-6.7	4.5	-0.3	-16.5	NA	NA	NA	1.0
-6.8	4.9	0.9	103.1	-5.9	1.9	40.8	1.9
-6.4	2.1	0.2	105.9	-5.9	4.2	42.8	1.5
NA	NA	1.8	NA	NA	NA	NA	1.4
NA	NA	-1.7	NA	NA	NA	NA	1.4
-5.1	1.4	1.0	41.6	-4.4	4.5	0.1	1.0
-5.4	8.0	0.8	23.1	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.4
NA	NA	-3.5	NA	NA	NA	NA	1.4
-6.9	4.3	0.4	79.8	-6.2	1.5	14.0	1.0

ga	gw	zr	tp	la	lw	bt	er
-6.9	6.4	0.4	47.3	-6.0	9.3	14.5	1.0
NA	NA	3.6	NA	NA	NA	NA	1.5
-4.7	1.7	1.9	-12.3	NA	NA	NA	1.0
-4.8	1.5	-3.1	61.8	NA	NA	NA	1.7
-4.6	1.5	-1.4	56.2	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.6	1.0	2.4	70.3	-4.2	10.0	14.8	1.5
-4.8	1.5	1.2	44.4	-4.2	10.0	1.2	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-5.5	3.4	-8.2	-32.0	NA	NA	NA	1.5
-5.6	1.6	3.4	101.9	-4.6	3.2	69.5	1.4
-5.5	1.2	5.1	131.1	-4.5	10.0	97.7	1.5
NA	NA	0.5	NA	NA	NA	NA	1.2
-5.6	8.0	0.8	-26.8	-4.5	1.4	7.9	1.0
-5.8	5.2	-1.3	51.0	-4.5	3.3	-104.1	1.5
-5.7	8.0	-1.5	65.5	-4.6	1.9	-61.3	1.0
-4.9	3.8	-0.1	-28.7	NA	NA	NA	1.2
-4.5	0.7	0.8	-60.9	NA	NA	NA	1.2
NA	NA	-0.8	NA	NA	NA	NA	0.5
-4.1	4.1	0.8	57.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	2.1
-5.4	8.0	-0.4	-17.2	NA	NA	NA	1.0
-5.1	1.2	-3.7	107.3	NA	NA	NA	2.1
-5.2	1.6	-3.4	91.0	NA	NA	NA	1.8
NA	NA	2.6	NA	NA	NA	NA	1.3
-5.4	2.0	0.6	-21.1	-4.2	8.7	1.4	1.0
-5.3	1.4	-1.9	109.3	-4.0	10.0	39.0	2.0
-5.4	1.7	-1.4	86.8	-4.2	10.0	26.6	1.3
-4.2	8.0	0.7	-58.8	NA	NA	NA	1.4
-4.2	4.3	0.4	-84.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	4.5	0.1	38.7	NA	NA	NA	0.4
-4.6	4.0	1.4	-101.0	NA	NA	NA	1.0
-4.2	3.8	-0.8	-46.1	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.3	6.7	-0.2	20.6	NA	NA	NA	1.0
-4.3	5.6	0.5	-98.3	NA	NA	NA	1.8
-4.6	1.0	-1.0	-32.6	NA	NA	NA	1.0
-4.8	0.5	0.9	59.2	-4.4	10.0	-13.5	1.7
-5.0	1.0	2.4	56.4	-4.3	10.0	5.2	1.6
-4.2	3.2	1.5	-76.0	NA	NA	NA	1.0
-4.1	3.6	1.8	-41.7	NA	NA	NA	1.0
-4.5	1.4	-0.7	94.1	-4.2	10.0	13.9	1.9
-4.5	3.5	-1.8	68.0	-4.1	10.0	25.0	1.3
-4.1	6.1	2.0	-83.2	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.2	4.8	0.6	-75.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	7.7	0.0	27.7	NA	NA	NA	0.4
-4.5	8.0	-1.5	-81.4	NA	NA	NA	1.2
-4.5	5.4	0.3	-76.9	NA	NA	NA	1.0
-4.6	8.0	0.5	-13.8	NA	NA	NA	1.0
-4.3	5.8	-0.2	91.7	NA	NA	NA	1.0
-4.4	6.6	5.3	-96.1	NA	NA	NA	1.6
-4.8	0.8	-1.3	-45.1	NA	NA	NA	1.5
-5.2	1.0	2.6	66.2	-4.5	10.0	-5.9	1.7
-4.9	0.9	2.3	84.2	-4.4	10.0	11.0	1.5
-4.3	2.1	0.2	-81.7	NA	NA	NA	1.1
-4.3	7.3	0.9	-41.9	NA	NA	NA	1.0
-4.7	2.3	1.6	97.9	-4.2	5.0	-17.4	1.8
-4.6	2.4	0.2	72.5	-4.2	10.0	11.3	1.0
-4.1	7.1	-0.7	-105.3	NA	NA	NA	1.5
-4.7	7.6	0.3	26.7	NA	NA	NA	1.2
-4.6	8.0	-0.4	36.1	-4.3	10.0	-5.9	1.0
NA	NA	0.9	NA	NA	NA	NA	0.7
-4.3	7.8	3.1	-61.0	NA	NA	NA	2.0
-4.5	8.0	-1.0	-72.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	4.9	0.2	68.0	NA	NA	NA	0.4
-4.6	2.7	-6.0	-99.6	NA	NA	NA	1.6
-4.5	4.7	-0.1	-72.5	NA	NA	NA	1.0
-4.6	8.0	0.1	-13.5	NA	NA	NA	0.6
-4.4	8.0	0.4	76.2	NA	NA	NA	1.0
-4.5	6.5	0.1	-101.7	NA	NA	NA	1.4
NA	NA	-1.9	NA	NA	NA	NA	0.9
-4.7	8.0	-0.4	48.0	NA	NA	NA	1.9
-4.3	1.0	0.9	88.8	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.2
-6.0	8.0	3.6	-82.2	NA	NA	NA	1.4
-6.3	4.3	-2.0	33.4	-5.9	7.3	-30.4	1.0
-5.0	1.7	-1.9	74.7	NA	NA	NA	1.2
-6.0	7.9	-0.6	-90.1	NA	NA	NA	1.0
-6.5	1.8	8.3	-54.7	NA	NA	NA	1.4
-7.1	8.0	-9.0	60.4	-6.2	10.0	-93.0	3.1
-6.7	3.3	-7.0	118.2	-6.1	9.6	-8.5	2.6
-6.5	2.0	0.4	-96.4	NA	NA	NA	1.0
-4.8	2.7	6.9	-70.2	NA	NA	NA	1.9
-6.1	8.0	0.4	-10.0	NA	NA	NA	1.0
-4.4	2.5	-4.6	58.3	NA	NA	NA	1.7
-6.0	1.0	3.9	-93.7	NA	NA	NA	1.6
-6.1	4.8	0.7	-79.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-6.0	4.0	-0.2	87.4	NA	NA	NA	1.0
-7.2	1.0	3.3	27.1	-6.1	5.7	-100.4	1.0
-4.7	0.9	1.5	-102.1	NA	NA	NA	1.3
-6.0	4.1	0.0	83.3	-5.4	3.0	0.3	1.0
-4.3	1.3	-0.1	270.2	NA	NA	NA	1.9
-5.2	0.8	-6.4	-107.8	NA	NA	NA	1.7
-6.3	3.0	6.4	-71.0	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	0.5
-5.5	1.0	-0.5	26.1	NA	NA	NA	0.3
-6.4	5.6	1.3	-98.2	NA	NA	NA	1.0
-6.0	2.2	0.9	-82.0	NA	NA	NA	1.0
-6.1	5.2	3.2	-21.7	NA	NA	NA	1.0
-5.4	1.5	0.8	146.9	NA	NA	NA	1.0
-6.1	2.5	-0.1	-98.5	NA	NA	NA	1.5
NA	NA	3.0	NA	NA	NA	NA	1.5
-4.5	1.9	3.0	91.5	NA	NA	NA	1.6
-4.7	3.0	1.2	37.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.6
NA	NA	-0.6	NA	NA	NA	NA	1.0
-5.0	8.0	0.4	37.0	NA	NA	NA	1.8
-4.2	1.4	1.0	45.7	NA	NA	NA	1.0
NA	NA	-3.7	NA	NA	NA	NA	1.5
-4.7	7.6	0.3	-32.5	NA	NA	NA	1.0
-4.8	0.8	-1.0	41.8	NA	NA	NA	1.0
-4.6	1.2	-0.2	61.6	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.2
-4.6	7.3	1.6	-53.1	NA	NA	NA	1.1
-5.0	8.0	-2.0	31.1	-4.3	3.1	-63.2	1.6
NA	NA	-3.1	NA	NA	NA	NA	2.1
-4.7	8.0	-1.0	-103.1	NA	NA	NA	1.9
-4.5	4.4	2.0	-64.3	NA	NA	NA	1.1
-5.6	4.2	-1.1	36.7	-4.6	3.3	-162.9	1.7
-5.3	7.4	-0.6	30.1	-4.6	9.6	-5.1	1.0
-4.8	2.1	-1.9	-98.8	NA	NA	NA	1.1
-4.2	8.0	3.8	-73.5	NA	NA	NA	2.1
-4.2	8.0	-1.2	-20.1	NA	NA	NA	1.0
-4.1	7.9	-2.7	66.4	NA	NA	NA	1.5
-4.3	1.7	-12.6	-106.5	NA	NA	NA	2.7
-4.4	8.0	1.8	-80.9	NA	NA	NA	1.1
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	3.8	-0.3	90.5	NA	NA	NA	0.4
-4.9	1.2	-0.2	-100.9	NA	NA	NA	1.2
-4.4	8.0	-0.4	-79.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.5	0.4	179.4	NA	NA	NA	0.9
-4.5	3.2	3.5	-98.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.8	-0.5	-84.2	NA	NA	NA	1.4
-5.1	2.9	-0.1	-11.2	NA	NA	NA	0.5
-4.2	1.8	-0.4	183.4	NA	NA	NA	1.0
-4.9	2.8	-2.2	-96.0	NA	NA	NA	1.7
NA	NA	0.4	NA	NA	NA	NA	0.9
-5.9	0.8	-0.9	23.3	-4.9	2.8	-6.7	1.8
-6.1	2.0	-0.2	31.3	-4.9	1.7	-20.1	1.0
NA	NA	2.0	NA	NA	NA	NA	1.5
-4.6	2.5	0.1	-29.5	NA	NA	NA	1.1
-4.5	5.7	-0.2	21.1	NA	NA	NA	1.0
-4.6	3.3	-0.3	36.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	0.9
-4.6	8.0	-4.0	66.9	NA	NA	NA	1.6
-5.7	1.6	-0.8	-24.0	-4.7	5.4	7.2	1.2
NA	NA	0.4	NA	NA	NA	NA	1.3
NA	NA	1.2	NA	NA	NA	NA	0.8
-4.5	0.6	0.4	48.6	NA	NA	NA	1.5
-4.7	1.5	0.3	39.6	-4.0	10.0	-2.0	1.0
NA	NA	0.1	NA	NA	NA	NA	1.2
-5.1	7.3	-2.0	-14.1	NA	NA	NA	1.0
-4.9	2.3	-1.5	69.2	NA	NA	NA	1.5
-5.0	2.1	0.1	61.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.6
-4.9	3.3	0.8	-16.6	NA	NA	NA	1.1
-4.9	4.0	2.1	92.5	NA	NA	NA	1.4
-4.8	2.1	0.1	79.7	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.7
-4.9	1.8	0.4	-17.5	NA	NA	NA	1.0
-5.3	3.2	2.4	70.7	NA	NA	NA	1.4
-5.1	1.7	-0.5	65.6	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.1
-5.3	1.3	-0.3	-22.2	-4.0	10.0	-7.1	1.1
-5.2	1.0	-1.7	108.5	NA	NA	NA	2.2
-5.1	1.1	-0.6	102.3	-3.9	9.5	52.7	1.5
-5.8	0.7	0.7	-43.7	NA	NA	NA	1.8
-5.1	1.7	-0.2	-21.2	NA	NA	NA	1.0
-5.2	1.8	0.4	92.8	NA	NA	NA	1.9
-5.1	1.5	0.3	92.6	NA	NA	NA	1.2
-5.3	0.9	-0.1	-49.4	NA	NA	NA	1.6
-4.3	4.7	-1.5	-15.2	NA	NA	NA	1.0
-4.4	2.5	-0.3	34.2	NA	NA	NA	1.0
-4.2	2.8	0.7	40.6	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.8
-5.3	1.4	-0.2	-17.6	NA	NA	NA	1.0
-5.0	0.9	0.9	108.5	NA	NA	NA	2.1



ga	gw	zr	tp	la	lw	bt	er
-5.0	1.1	0.3	94.1	NA	NA	NA	1.2
-5.1	0.6	2.3	-55.1	NA	NA	NA	1.6
-5.3	0.4	-1.3	-24.6	NA	NA	NA	1.6
-4.8	1.0	3.7	76.5	NA	NA	NA	1.7
-4.6	0.7	3.0	82.0	NA	NA	NA	1.6
NA	NA	3.4	NA	NA	NA	NA	1.6
-5.6	0.9	-0.8	-11.2	NA	NA	NA	1.0
-5.1	0.6	0.8	42.2	NA	NA	NA	1.5
-5.0	0.6	0.9	42.4	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.2
-4.3	0.4	3.0	-14.6	NA	NA	NA	0.9
-4.5	2.5	3.9	60.8	NA	NA	NA	1.4
-4.3	1.6	2.0	69.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.2
-6.2	0.9	-0.3	-19.8	NA	NA	NA	1.0
-5.9	1.7	2.1	73.4	NA	NA	NA	1.5
-5.9	1.8	1.3	72.1	NA	NA	NA	1.1
NA	NA	1.1	NA	NA	NA	NA	2.5
-4.5	1.1	-0.5	-26.6	NA	NA	NA	1.0
-5.0	8.0	-1.1	35.5	NA	NA	NA	2.2
-5.1	1.6	-0.7	45.5	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	2.2
-4.2	5.6	1.6	-54.9	NA	NA	NA	1.1
NA	NA	0.4	NA	NA	NA	NA	0.3
-4.2	8.0	-0.7	71.6	NA	NA	NA	0.5
-4.2	8.0	-3.0	-101.6	NA	NA	NA	1.9
-4.3	3.3	-1.1	-41.3	NA	NA	NA	1.0
-4.8	8.0	-0.7	23.7	-4.1	2.2	-7.8	0.5
-4.6	4.1	0.2	33.0	NA	NA	NA	0.5
-4.7	8.0	-4.0	-38.8	NA	NA	NA	1.4
NA	NA	2.4	NA	NA	NA	NA	1.7
-4.6	5.9	0.7	27.0	NA	NA	NA	1.0
-4.5	2.1	-0.2	26.2	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.6
-4.4	5.2	-1.1	-80.2	NA	NA	NA	1.0
-4.5	1.4	-1.0	-41.0	NA	NA	NA	1.0
-4.3	8.0	-1.0	50.8	NA	NA	NA	1.0
-4.3	8.0	0.7	-111.4	NA	NA	NA	1.3
-4.4	1.5	-2.1	-79.6	NA	NA	NA	1.0
-5.1	1.7	0.5	74.3	-4.5	9.9	-188.7	1.9
-5.4	1.7	1.5	44.8	-4.6	4.8	-33.2	1.0
-4.6	2.7	1.4	-108.2	NA	NA	NA	1.1
-4.3	3.7	-2.8	-110.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.0
-4.3	6.0	-0.2	132.5	NA	NA	NA	0.4
-4.4	7.5	-1.6	-93.6	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	4.7	-1.3	-65.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.3	5.1	-0.1	36.0	NA	NA	NA	0.5
-4.4	1.9	-3.3	-91.0	NA	NA	NA	1.7
-4.2	3.3	0.6	-96.2	NA	NA	NA	1.0
-4.2	7.6	-0.2	-29.2	NA	NA	NA	1.0
-4.3	3.5	-0.6	86.9	NA	NA	NA	1.0
-4.2	8.0	1.3	-101.9	NA	NA	NA	1.5
-4.4	7.1	-0.1	-32.6	NA	NA	NA	1.0
-5.0	2.1	-0.4	54.3	NA	NA	NA	1.0
-4.6	1.6	-0.1	109.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.8
-4.4	8.0	-1.0	32.0	NA	NA	NA	1.3
-5.2	3.4	-2.1	42.6	-4.3	10.0	-60.3	1.6
-5.1	5.1	-1.2	49.5	-4.6	10.0	-54.3	1.0
-4.3	3.0	1.6	-112.1	NA	NA	NA	1.6
-4.2	2.1	1.2	155.3	NA	NA	NA	1.4
-4.2	2.5	-0.8	281.8	NA	NA	NA	1.0
-4.2	4.1	-1.4	37.3	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	2.1
-4.4	8.0	1.5	-42.3	NA	NA	NA	1.0
-4.3	2.1	0.1	26.2	NA	NA	NA	0.5
-4.3	3.9	-0.2	49.7	NA	NA	NA	0.4
-4.5	8.0	0.3	-88.5	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	1.2
-4.3	1.4	-0.1	99.0	NA	NA	NA	1.0
-4.4	1.3	-0.3	69.9	NA	NA	NA	0.9
NA	NA	1.7	NA	NA	NA	NA	2.1
-4.1	1.1	-0.8	29.0	NA	NA	NA	1.2
-4.2	2.8	-0.2	49.0	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	8.0	-0.4	-104.4	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	1.4
-5.0	2.1	-1.0	51.5	NA	NA	NA	1.1
-4.7	1.2	-0.1	58.1	-4.2	1.9	26.0	1.0
-4.1	4.3	0.0	-119.0	NA	NA	NA	2.0
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.3	1.3	-2.7	53.3	NA	NA	NA	1.8
NA	NA	0.1	NA	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	1.4
-5.0	8.0	0.5	-11.5	NA	NA	NA	1.0
-5.2	7.5	2.1	78.0	-4.4	9.9	46.6	1.1
-5.1	3.8	0.8	60.9	-4.2	3.4	30.1	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.9	2.0	1.5	31.5	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.8	8.0	1.0	24.0	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.9	1.7	0.1	-19.9	NA	NA	NA	0.8
-5.5	2.2	-2.0	64.7	NA	NA	NA	2.0
-5.4	1.9	-0.6	50.4	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.2	2.0	-0.3	62.4	NA	NA	NA	1.0
-4.2	2.1	-0.3	35.6	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.8
-4.3	2.1	-1.4	-36.4	NA	NA	NA	1.0
-4.6	2.0	0.7	57.8	NA	NA	NA	1.2
-4.4	1.8	2.1	83.4	NA	NA	NA	1.4
NA	NA	-8.5	NA	NA	NA	NA	1.8
NA	NA	-0.8	NA	NA	NA	NA	0.6
-4.2	2.2	1.5	99.3	NA	NA	NA	1.6
-4.2	2.2	2.2	75.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.7
-4.4	2.9	5.1	-12.9	NA	NA	NA	1.5
-4.6	6.6	0.6	77.5	-4.1	6.0	16.4	1.0
-4.7	8.0	-1.7	29.3	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	2.1
-4.4	8.0	0.2	-15.7	NA	NA	NA	1.0
-4.1	8.0	0.6	71.9	NA	NA	NA	1.0
-4.1	7.5	0.3	63.6	NA	NA	NA	0.5
NA	NA	-2.3	NA	NA	NA	NA	2.2
NA	NA	-1.6	NA	NA	NA	NA	1.2
-5.3	8.0	-0.3	104.4	-4.8	2.4	-60.7	2.1
-5.3	2.3	-0.1	61.4	-4.8	10.0	-22.8	1.4
-4.9	8.0	-1.3	-32.6	NA	NA	NA	1.4
-4.3	2.1	-0.1	-43.6	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	0.6
-4.3	2.6	-0.5	43.5	NA	NA	NA	1.0
-4.7	0.6	0.2	-48.3	NA	NA	NA	2.1
-4.4	1.5	-1.1	-58.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	1.6	0.2	36.9	NA	NA	NA	0.4
NA	NA	1.0	NA	NA	NA	NA	1.2
-4.9	1.9	-0.6	-27.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.9	1.4	0.2	20.9	NA	NA	NA	1.0
-4.6	1.0	1.0	-66.1	NA	NA	NA	1.7
NA	NA	-3.2	NA	NA	NA	NA	1.2
-4.4	1.9	0.2	57.4	NA	NA	NA	1.2
-4.4	1.9	1.1	59.3	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.9	NA	NA	NA	NA	1.5
-6.1	3.7	0.6	80.7	-5.8	8.6	1.7	1.0
-6.2	8.0	-0.2	80.3	-5.8	10.0	-1.4	1.0
-6.1	2.5	1.4	-66.7	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.5
-5.1	3.4	3.7	39.1	NA	NA	NA	2.0
-4.0	8.0	1.3	23.6	NA	NA	NA	0.6
NA	NA	3.6	NA	NA	NA	NA	1.5
NA	NA	0.3	NA	NA	NA	NA	0.7
-4.5	2.9	-0.4	47.2	NA	NA	NA	1.8
-4.4	3.3	-0.4	26.9	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.9
-6.8	2.9	3.9	29.1	NA	NA	NA	2.2
-7.5	5.6	-3.8	74.6	-6.7	2.0	-83.3	2.7
-6.5	3.1	-1.5	-50.2	NA	NA	NA	2.2
-7.7	5.1	-2.1	-49.1	NA	NA	NA	2.0
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.4	2.0	0.9	113.2	NA	NA	NA	1.8
-4.4	2.6	-0.3	82.9	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.5
-4.7	4.0	1.9	-24.2	NA	NA	NA	1.0
-4.4	1.7	-0.9	115.3	NA	NA	NA	1.2
-4.4	1.9	-1.1	115.6	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.1
-4.7	1.6	-2.9	-30.9	NA	NA	NA	1.0
-4.7	1.2	-1.6	73.8	NA	NA	NA	1.5
-4.5	1.0	0.1	86.5	NA	NA	NA	1.3
NA	NA	1.5	NA	NA	NA	NA	1.3
NA	NA	1.6	NA	NA	NA	NA	0.8
-4.8	2.1	-0.9	24.9	NA	NA	NA	1.4
NA	NA	-0.8	NA	NA	NA	NA	0.9
NA	NA	2.3	NA	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	0.8
-5.2	5.7	-3.3	22.0	NA	NA	NA	2.0
-4.2	2.4	-1.4	48.1	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	1.6
-4.5	5.4	0.6	-40.7	NA	NA	NA	1.0
-4.8	8.0	-1.0	24.7	NA	NA	NA	1.6
-4.6	2.8	-1.1	50.4	NA	NA	NA	1.2
NA	NA	-3.2	NA	NA	NA	NA	1.4
-4.1	4.8	0.1	-39.7	NA	NA	NA	1.0
-4.9	3.6	-5.4	43.8	-4.3	10.0	-7.1	1.9
-4.6	2.5	-3.8	36.5	-4.1	10.0	-5.4	1.6
-4.1	8.0	-4.3	-85.3	NA	NA	NA	2.3
-4.4	8.0	2.7	-56.7	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.0	-1.3	56.3	NA	NA	NA	0.9
-4.5	1.9	0.3	-79.1	NA	NA	NA	1.6
-4.2	2.9	0.5	-80.8	NA	NA	NA	1.0
-4.4	2.7	1.1	-18.0	NA	NA	NA	1.0
-4.1	6.3	0.5	85.1	NA	NA	NA	1.0
-4.1	8.0	-2.5	-100.9	NA	NA	NA	1.6
-4.2	8.0	-1.1	-52.9	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	8.0	0.3	35.7	NA	NA	NA	0.5
-4.3	8.0	4.8	-72.4	NA	NA	NA	1.5
-4.2	4.3	1.8	-84.2	NA	NA	NA	1.2
-6.3	1.3	0.3	8.3	-4.3	3.5	-31.2	1.0
-4.2	6.8	1.0	47.4	NA	NA	NA	1.0
-4.2	8.0	-2.4	-119.9	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	0.9
-4.2	2.7	0.6	64.5	NA	NA	NA	1.3
-4.2	2.2	-1.1	60.7	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	0.9
-4.1	8.0	-0.5	-80.2	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.8
-4.1	8.0	0.6	36.0	NA	NA	NA	0.5
-4.1	7.0	1.4	-111.5	NA	NA	NA	2.2
NA	NA	2.2	NA	NA	NA	NA	1.1
-4.3	1.3	-1.5	89.4	NA	NA	NA	1.6
-4.4	5.3	-1.0	23.0	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	2.0
-4.6	1.3	1.2	-53.4	NA	NA	NA	1.2
-5.1	4.3	0.1	44.8	-4.7	9.9	2.8	1.0
-5.2	3.6	-1.0	34.9	NA	NA	NA	1.0
-5.4	1.7	1.4	-25.6	NA	NA	NA	1.7
-5.0	2.0	0.4	-19.7	NA	NA	NA	1.0
-4.3	2.8	5.9	80.5	NA	NA	NA	2.0
-4.4	1.2	0.4	110.8	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.3	8.0	0.8	70.6	NA	NA	NA	1.4
-4.2	3.4	0.5	58.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
-6.2	0.4	4.7	28.2	-4.3	4.9	-24.3	1.2
-4.6	3.6	-26.2	42.8	-4.2	10.0	-110.2	2.3
NA	NA	-19.9	NA	NA	NA	NA	2.3
-4.1	8.0	0.6	-97.9	NA	NA	NA	1.7
-4.2	6.2	0.8	-109.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	106.8	NA	NA	NA	0.4
-5.6	0.8	0.7	26.6	-4.4	10.0	-97.2	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	3.8	-0.6	-66.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	4.7	0.1	35.3	NA	NA	NA	0.5
-4.2	3.0	-3.9	-98.6	NA	NA	NA	2.3
-4.1	8.0	0.3	-97.0	NA	NA	NA	1.0
-6.8	2.0	0.4	6.4	-4.2	1.9	-31.0	1.0
-4.0	8.0	1.9	61.7	NA	NA	NA	1.0
-4.1	4.9	0.8	-131.0	NA	NA	NA	1.8
-7.3	8.0	1.8	-4.2	NA	NA	NA	1.1
-7.1	3.5	0.6	69.3	-6.9	9.7	-2.3	1.0
-7.2	8.0	-0.7	65.1	-7.0	8.0	-0.9	1.0
NA	NA	13.4	NA	NA	NA	NA	2.1
-4.6	5.7	0.3	-83.6	NA	NA	NA	1.0
-5.0	1.1	-0.7	27.2	-4.6	10.0	-17.1	1.1
-4.6	2.5	-0.7	74.4	NA	NA	NA	1.0
-4.5	4.2	-3.3	-127.5	NA	NA	NA	1.3
-4.5	8.0	0.6	-71.8	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.3
-4.4	8.0	-0.8	32.8	NA	NA	NA	0.5
-4.5	4.0	0.7	-153.3	NA	NA	NA	1.2
-4.5	6.9	0.1	-98.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	6.8	0.0	108.4	NA	NA	NA	0.4
-4.7	3.0	3.0	-114.3	NA	NA	NA	1.1
-4.6	0.7	1.8	-38.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	0.8	-0.2	17.8	NA	NA	NA	0.4
-4.4	1.3	-0.5	-71.7	NA	NA	NA	1.1
-4.9	0.7	0.4	-23.7	NA	NA	NA	1.0
-5.4	2.8	-0.7	35.6	-4.5	10.0	6.1	1.0
-5.4	6.5	0.0	39.4	-4.5	9.9	10.5	0.9
-6.1	8.0	1.8	-34.2	NA	NA	NA	1.8
-6.2	2.8	-0.6	-27.2	-5.0	0.8	-11.7	1.2
-5.3	1.5	0.1	31.6	NA	NA	NA	1.0
-5.9	1.5	0.0	30.3	NA	NA	NA	1.0
-5.9	1.5	-0.5	-44.0	NA	NA	NA	1.7
-6.2	8.0	0.7	-18.7	NA	NA	NA	1.1
-4.9	2.7	1.4	121.0	-4.7	2.5	72.7	1.0
-5.1	1.0	-0.2	80.7	NA	NA	NA	1.0
-6.4	3.4	2.2	-56.3	NA	NA	NA	1.3
-4.3	8.0	1.4	-52.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.3
-4.1	7.0	-1.2	60.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.9
-5.1	6.5	-2.0	-15.6	NA	NA	NA	1.0
-5.2	2.2	-1.6	61.5	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.5	0.5	80.9	-4.0	10.0	52.3	1.0
-4.5	3.0	-0.8	-35.9	NA	NA	NA	1.0
-4.8	1.3	0.3	-37.6	NA	NA	NA	1.0
-5.0	1.9	3.1	69.3	-4.5	9.2	12.7	1.5
-5.1	1.6	1.1	45.7	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	0.9
-4.3	1.8	-3.6	128.7	NA	NA	NA	1.8
-4.3	1.2	-1.6	91.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.5
NA	NA	-1.5	NA	NA	NA	NA	1.3
-4.7	0.9	-2.4	28.4	NA	NA	NA	1.0
-4.4	1.3	0.1	31.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	2.2
-4.7	4.5	-1.0	-60.3	NA	NA	NA	1.0
-4.8	8.0	0.0	-26.1	NA	NA	NA	1.0
-4.5	5.2	0.4	53.1	NA	NA	NA	1.0
-4.7	8.0	0.8	-88.8	NA	NA	NA	1.6
-4.4	7.4	-1.0	-69.1	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.3
-4.4	8.0	0.4	28.3	NA	NA	NA	0.5
-4.5	8.0	1.8	-81.2	NA	NA	NA	1.7
-4.1	3.7	0.6	-94.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.2
-4.1	4.4	-0.6	73.4	NA	NA	NA	1.0
-4.3	8.0	-1.5	-92.6	NA	NA	NA	1.5
NA	NA	-1.1	NA	NA	NA	NA	1.2
-4.5	3.6	2.8	112.9	-4.1	10.0	-69.7	1.7
-4.6	1.0	1.1	52.3	-4.1	10.0	-17.1	1.3
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.8	1.0	0.8	-24.5	NA	NA	NA	1.0
NA	NA	-4.3	NA	NA	NA	NA	2.3
-5.1	1.7	-5.1	24.2	NA	NA	NA	1.7
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.4	4.3	-0.6	-36.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.3	-0.3	43.8	NA	NA	NA	0.9
-4.2	5.1	1.9	-69.6	NA	NA	NA	1.8
-4.1	6.0	0.7	-20.1	NA	NA	NA	1.0
-4.2	4.1	-0.1	54.2	NA	NA	NA	1.0
-4.2	4.5	-0.3	53.2	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	1.8
-5.5	2.0	1.0	-14.3	NA	NA	NA	1.0
-5.4	2.3	-0.3	73.6	NA	NA	NA	1.3
-5.3	1.6	-0.7	67.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.2	NA	NA	NA	NA	1.4
-4.6	8.0	-1.2	153.0	NA	NA	NA	2.1
-4.5	3.5	-1.4	84.2	NA	NA	NA	1.0
-4.5	2.1	2.1	-78.7	NA	NA	NA	1.1
NA	NA	-1.5	NA	NA	NA	NA	1.4
-4.9	0.7	0.7	67.1	NA	NA	NA	1.8
-5.8	4.5	2.7	23.7	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	1.1
-5.2	0.7	2.5	-20.1	NA	NA	NA	1.0
-5.0	0.8	1.1	75.0	NA	NA	NA	1.7
-4.8	0.7	-1.9	81.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.9	3.0	-5.6	-76.0	NA	NA	NA	1.0
-5.6	1.5	0.3	44.0	-4.9	10.0	-31.1	1.7
-5.7	1.3	4.6	39.7	NA	NA	NA	1.8
-5.0	7.5	-0.2	-93.3	NA	NA	NA	1.0
-5.0	8.0	-0.9	-29.1	NA	NA	NA	1.0
-5.2	5.8	-1.1	68.4	-4.9	10.0	-109.3	1.8
-5.1	4.6	1.3	65.0	-4.8	9.4	-42.9	1.0
-4.9	8.0	3.0	-103.1	NA	NA	NA	1.5
-4.8	3.1	-1.6	-41.3	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.5	6.7	1.1	31.5	NA	NA	NA	1.0
-4.6	2.5	2.1	-118.5	NA	NA	NA	1.7
-4.9	8.0	-1.5	-75.8	NA	NA	NA	0.6
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.9	7.3	0.2	79.7	-4.3	1.7	35.7	0.4
-5.0	8.0	-0.3	-98.9	NA	NA	NA	0.6
-4.5	2.9	-0.7	-71.2	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	4.8	0.4	39.1	NA	NA	NA	0.9
-5.0	1.5	2.3	-99.4	NA	NA	NA	1.6
-4.9	8.0	-0.7	-76.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.8	8.0	0.1	25.2	NA	NA	NA	0.3
-4.9	8.0	-0.1	-99.9	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	1.0
-4.5	6.4	-0.2	45.2	NA	NA	NA	1.0
-4.4	8.0	-0.3	41.2	NA	NA	NA	1.0
NA	NA	-2.2	NA	NA	NA	NA	1.2
-4.6	7.0	0.6	-9.7	NA	NA	NA	1.0
-4.8	3.0	0.5	27.3	NA	NA	NA	1.0
-4.7	6.2	0.2	24.9	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.8	5.8	-0.3	-19.0	NA	NA	NA	1.0
-4.5	2.4	-0.5	118.3	NA	NA	NA	1.5



ga	gw	zr	tp	la	lw	bt	er
-4.8	4.9	-0.3	62.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
-5.7	8.0	1.8	15.3	NA	NA	NA	1.1
-6.5	8.0	2.1	32.1	-5.8	2.9	-105.8	1.9
-5.7	5.2	-0.8	-53.8	NA	NA	NA	1.9
NA	NA	2.0	NA	NA	NA	NA	2.0
-4.3	2.4	-0.7	-79.7	NA	NA	NA	1.0
-5.4	8.0	-1.3	45.9	-5.1	10.0	-32.1	1.4
-4.4	1.8	-0.5	37.0	-4.9	9.6	7.9	1.1
-5.0	8.0	-0.5	-90.9	NA	NA	NA	1.0
-4.9	2.0	1.6	-37.8	NA	NA	NA	1.5
-5.6	1.9	-2.4	25.0	-4.7	3.1	-169.5	2.0
-4.7	8.0	-0.3	-50.2	NA	NA	NA	1.5
-5.1	7.9	-1.2	-98.9	NA	NA	NA	1.0
-5.0	8.0	-1.2	-72.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.9	5.2	-0.1	61.8	NA	NA	NA	0.4
-5.1	7.4	-0.4	-96.2	NA	NA	NA	1.0
-4.5	1.2	-0.8	-56.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.3	1.2	-0.2	43.2	NA	NA	NA	0.9
-5.1	6.0	0.7	-92.6	NA	NA	NA	1.4
-4.5	8.0	1.6	-65.7	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	6.5	0.0	14.4	NA	NA	NA	0.3
-5.4	7.8	0.7	-99.7	NA	NA	NA	1.0
-5.1	5.0	0.9	-70.6	NA	NA	NA	1.0
-5.1	3.1	0.0	-20.8	-4.1	2.2	-1.9	0.5
-4.8	3.2	-0.7	78.2	NA	NA	NA	1.0
-5.2	8.0	0.9	-98.9	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.9
-4.5	3.5	-4.5	43.2	NA	NA	NA	1.4
-4.5	4.5	-1.3	29.4	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.2
-5.3	7.7	-0.5	77.8	-4.6	2.5	-102.2	1.8
-5.0	1.4	-2.2	81.1	-4.5	3.1	-27.1	1.2
-4.6	1.1	-0.3	-56.5	NA	NA	NA	1.5
-4.4	3.8	0.8	-61.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	8.0	-0.1	27.5	NA	NA	NA	0.4
NA	NA	-0.7	NA	NA	NA	NA	1.4
-4.5	1.4	2.3	-47.2	NA	NA	NA	1.0
-4.2	5.9	0.7	24.0	NA	NA	NA	0.5
-4.3	3.0	0.1	60.8	NA	NA	NA	0.9
NA	NA	-3.2	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.7	0.1	-52.5	NA	NA	NA	1.0
-5.0	4.2	0.7	31.7	-4.7	10.0	14.2	1.0
-4.2	2.0	0.5	78.2	NA	NA	NA	1.0
NA	NA	-4.4	NA	NA	NA	NA	1.7
-4.7	3.6	0.1	-15.5	NA	NA	NA	1.0
-5.3	1.1	2.7	37.5	NA	NA	NA	1.4
-5.1	1.1	2.4	38.9	NA	NA	NA	1.0
NA	NA	2.9	NA	NA	NA	NA	1.2
-4.3	5.5	0.6	-49.8	NA	NA	NA	1.0
-4.5	8.0	-0.9	32.3	-4.2	10.0	-1.2	1.0
-4.4	4.8	-0.9	49.4	NA	NA	NA	1.0
-4.3	8.0	-1.0	-85.3	NA	NA	NA	1.9
-4.7	3.1	2.0	-13.4	NA	NA	NA	1.0
-4.7	1.1	0.5	74.9	NA	NA	NA	1.6
-4.7	2.3	-1.3	50.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
-5.1	1.7	-0.6	-37.9	NA	NA	NA	1.1
-5.2	1.5	-5.2	99.0	NA	NA	NA	1.1
-5.0	1.5	-2.8	128.0	NA	NA	NA	1.1
NA	NA	-1.1	NA	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	0.8
-4.8	0.8	-2.0	54.8	NA	NA	NA	1.4
-4.4	1.1	0.6	59.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.3
NA	NA	1.0	NA	NA	NA	NA	0.7
-4.4	5.4	-0.2	42.8	NA	NA	NA	1.0
-4.4	4.0	-0.3	37.9	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.0
-5.4	1.4	0.3	-28.6	NA	NA	NA	1.0
-5.3	1.4	0.0	89.9	NA	NA	NA	1.6
-5.1	1.1	-0.2	119.1	NA	NA	NA	1.5
NA	NA	-1.6	NA	NA	NA	NA	1.7
NA	NA	0.8	NA	NA	NA	NA	0.6
-5.6	8.0	0.1	32.3	NA	NA	NA	1.0
-5.6	8.0	-0.1	17.8	NA	NA	NA	1.0
NA	NA	3.2	NA	NA	NA	NA	1.9
-4.3	8.0	-1.6	28.1	NA	NA	NA	1.0
-4.2	2.3	0.6	184.3	NA	NA	NA	1.6
-4.2	1.7	1.6	37.7	NA	NA	NA	1.4
NA	NA	0.9	NA	NA	NA	NA	1.4
-4.2	4.1	0.2	29.7	NA	NA	NA	1.1
-4.1	0.9	-0.8	136.8	NA	NA	NA	1.0
-4.4	1.3	0.3	62.4	NA	NA	NA	1.0
NA	NA	-3.9	NA	NA	NA	NA	2.4
NA	NA	1.8	NA	NA	NA	NA	0.5
-4.3	1.9	0.3	37.0	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.8	-0.2	21.1	NA	NA	NA	0.4
NA	NA	-0.9	NA	NA	NA	NA	0.7
-4.4	2.0	1.2	21.9	NA	NA	NA	1.3
-4.3	1.6	0.1	86.1	NA	NA	NA	1.0
-4.3	1.4	-0.5	49.2	NA	NA	NA	0.9
NA	NA	-13.0	NA	NA	NA	NA	2.0
-4.3	2.9	-0.3	21.2	NA	NA	NA	1.0
-4.3	2.1	0.5	41.6	NA	NA	NA	0.5
NA	NA	0.4	NA	NA	NA	NA	0.0
NA	NA	-0.8	NA	NA	NA	NA	0.6
NA	NA	-0.4	NA	NA	NA	NA	0.6
-4.2	1.8	0.1	62.3	NA	NA	NA	1.0
-4.2	2.1	0.6	35.9	NA	NA	NA	1.0
NA	NA	2.8	NA	NA	NA	NA	1.7
-4.3	2.5	0.2	-46.8	NA	NA	NA	1.0
-4.7	8.0	1.4	19.3	NA	NA	NA	1.1
-4.4	1.9	0.4	60.5	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.3
-4.8	2.5	0.0	-21.2	NA	NA	NA	1.0
-5.0	3.3	1.0	89.5	-4.6	6.1	26.2	1.0
-5.0	2.8	1.0	82.4	-4.6	5.7	39.9	1.0
NA	NA	0.9	NA	NA	NA	NA	1.5
-4.9	8.0	0.8	30.3	-4.6	10.0	2.5	0.6
-5.1	0.5	-6.9	55.9	-4.9	10.0	2.6	2.2
-5.4	1.1	-2.1	19.8	-4.9	10.0	-24.8	1.4
NA	NA	-6.0	NA	NA	NA	NA	2.0
-5.1	1.7	0.1	-26.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.8
-5.1	1.1	-0.5	17.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.9
-7.9	3.7	-26.7	-0.5	NA	NA	NA	1.3
-8.8	8.0	18.4	108.8	-8.4	0.7	-0.1	2.0
-8.8	8.0	49.6	178.1	-8.6	0.9	-0.1	1.8
NA	NA	2.1	NA	NA	NA	NA	1.1
-4.9	5.5	2.3	-19.4	NA	NA	NA	1.0
-5.0	2.6	1.5	95.4	NA	NA	NA	1.5
-4.9	2.2	-0.2	89.1	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.2
-4.9	4.4	1.8	-13.3	NA	NA	NA	0.8
-5.1	4.8	3.1	82.9	-4.0	10.0	-43.9	2.0
-4.9	2.0	-2.7	54.3	-4.0	9.9	-24.8	1.7
NA	NA	0.3	NA	NA	NA	NA	1.6
NA	NA	-2.8	NA	NA	NA	NA	0.9
-4.8	2.1	-0.8	55.1	-4.3	10.0	-6.7	1.5
-4.6	1.8	1.3	56.0	-4.2	9.6	5.5	1.0
NA	NA	0.7	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.3	7.1	-2.5	-27.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	2.3	0.3	12.8	NA	NA	NA	0.4
NA	NA	-0.6	NA	NA	NA	NA	0.8
NA	NA	0.5	NA	NA	NA	NA	1.4
-4.5	3.9	-3.0	41.9	NA	NA	NA	1.3
-4.4	4.8	-0.4	43.0	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.1
-6.0	5.5	-1.8	-14.8	-4.1	10.0	21.3	1.3
-5.7	1.2	-4.1	59.3	-4.0	10.0	-25.1	2.0
-5.5	0.7	-1.7	87.6	-4.1	10.0	0.4	1.6
-4.3	8.0	-2.0	-81.3	NA	NA	NA	2.4
-4.7	2.8	0.8	-79.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	3.0	-0.1	74.4	NA	NA	NA	0.4
-5.0	8.0	-1.0	50.6	-4.7	10.0	-70.4	1.4
-4.8	1.8	1.8	-29.1	NA	NA	NA	1.4
-5.8	7.9	1.3	21.9	-4.8	0.9	1.9	1.0
-5.6	3.9	-0.6	19.9	NA	NA	NA	0.9
-4.8	0.8	0.2	-69.1	NA	NA	NA	2.0
-4.5	3.9	0.4	-54.2	NA	NA	NA	1.0
-4.8	8.0	3.1	13.0	NA	NA	NA	1.4
-4.5	3.2	2.2	67.5	NA	NA	NA	1.2
-4.3	4.6	0.9	-60.9	NA	NA	NA	1.0
-4.7	1.8	1.3	-30.0	NA	NA	NA	1.0
-4.7	1.6	1.3	96.5	NA	NA	NA	1.2
-4.7	1.8	0.5	98.6	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.1
-5.1	1.2	-0.1	26.7	NA	NA	NA	1.8
-4.8	1.8	0.3	31.2	-4.0	2.0	-11.3	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
NA	NA	-1.0	NA	NA	NA	NA	1.0
-4.7	1.7	-0.4	52.0	NA	NA	NA	1.7
-4.6	1.5	0.1	48.6	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.9
NA	NA	-0.9	NA	NA	NA	NA	1.0
-4.5	1.1	0.5	63.8	NA	NA	NA	1.7
-4.6	1.3	0.7	58.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.4
-5.0	1.6	-1.6	-21.0	NA	NA	NA	1.0
-4.7	8.0	2.8	26.3	NA	NA	NA	1.7
-5.1	1.1	0.6	58.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
-5.7	8.0	-1.0	-10.6	NA	NA	NA	1.2
-5.6	4.2	0.7	51.2	-4.8	9.3	21.3	1.1

ga	gw	zr	tp	la	lw	bt	er
-5.5	2.9	0.6	71.5	-4.9	2.9	18.8	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	1.0
-6.2	1.5	-0.2	23.6	-5.7	10.0	0.0	1.0
-6.4	2.7	0.5	23.0	-5.7	7.6	-2.7	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
-6.1	0.4	2.6	-11.3	NA	NA	NA	1.2
-5.5	3.7	0.5	33.9	-4.3	0.8	-8.2	1.0
-5.6	8.0	0.2	18.8	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	1.9
NA	NA	1.0	NA	NA	NA	NA	0.7
-4.8	1.3	0.2	43.6	NA	NA	NA	1.0
-5.0	5.2	-0.2	29.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.8
NA	NA	-1.2	NA	NA	NA	NA	0.7
-4.9	8.0	0.2	28.0	NA	NA	NA	1.3
-4.7	3.3	1.9	38.3	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.2
-5.0	1.1	1.4	-26.6	NA	NA	NA	1.0
-5.2	1.3	-5.5	80.9	NA	NA	NA	1.8
-5.0	1.3	-3.0	88.0	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.9
-5.3	6.6	1.1	-6.7	NA	NA	NA	1.0
-5.2	1.5	-0.1	38.3	NA	NA	NA	1.0
-5.2	1.8	-0.5	27.8	NA	NA	NA	0.9
NA	NA	-4.0	NA	NA	NA	NA	1.9
-5.1	0.9	0.9	-21.6	NA	NA	NA	1.0
-5.0	1.0	-3.1	109.7	NA	NA	NA	1.8
-4.7	0.8	-2.1	113.1	NA	NA	NA	1.1
NA	NA	4.4	NA	NA	NA	NA	1.9
NA	NA	-0.7	NA	NA	NA	NA	0.8
-5.4	2.3	-0.1	29.7	NA	NA	NA	1.0
-5.5	3.2	0.1	22.5	NA	NA	NA	0.9
NA	NA	-6.7	NA	NA	NA	NA	2.0
-4.5	8.0	-5.9	-69.8	NA	NA	NA	1.8
-6.5	8.0	-0.2	17.8	-4.9	3.5	-36.5	1.6
-6.7	5.1	1.2	21.5	-5.1	10.0	-6.0	1.4
-4.5	5.4	-1.3	-93.0	NA	NA	NA	1.4
-4.5	3.3	-0.8	-50.4	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.3
-4.4	8.0	-0.5	45.1	NA	NA	NA	0.5
-4.4	8.0	-3.1	-63.4	NA	NA	NA	1.8
NA	NA	0.7	NA	NA	NA	NA	0.7
-5.7	2.5	-2.2	26.1	NA	NA	NA	1.6
-5.8	8.0	-2.1	14.1	NA	NA	NA	1.2
NA	NA	-1.3	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.2	NA	NA	NA	NA	0.3
-4.8	2.0	-2.3	37.4	NA	NA	NA	1.7
-4.6	2.1	-1.2	44.7	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.1
-4.7	8.0	1.4	-84.0	NA	NA	NA	1.0
-5.1	2.8	0.0	33.6	-4.7	10.0	-33.0	1.0
-4.5	1.7	-0.3	96.5	NA	NA	NA	1.0
-4.7	6.6	1.6	-92.9	NA	NA	NA	1.0
-4.1	3.6	-0.1	-55.2	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	2.3
-4.3	8.0	0.3	47.4	NA	NA	NA	1.5
-4.2	1.5	-2.3	-89.5	NA	NA	NA	1.5
-4.3	4.6	-2.5	-80.2	NA	NA	NA	1.0
-4.7	4.9	-0.1	-15.9	NA	NA	NA	1.0
-4.2	8.0	1.0	181.8	NA	NA	NA	1.0
-4.7	8.0	1.6	-87.9	NA	NA	NA	1.7
-4.5	7.1	0.4	-85.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.4	5.1	0.1	87.1	NA	NA	NA	0.4
-4.5	8.0	1.2	-98.7	NA	NA	NA	1.8
-4.2	3.2	1.6	-81.7	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	5.4	-0.3	207.2	NA	NA	NA	0.9
-4.5	8.0	-3.0	-93.1	NA	NA	NA	1.6
-4.5	2.9	-0.6	-83.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	3.1	0.1	31.5	NA	NA	NA	0.3
-4.4	3.1	0.7	-110.1	NA	NA	NA	1.6
-4.5	5.8	1.9	-85.9	NA	NA	NA	1.3
-4.4	8.0	0.5	-19.3	NA	NA	NA	1.0
-4.3	4.2	0.0	166.9	NA	NA	NA	1.0
-4.4	8.0	-1.8	-101.2	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	0.9
-4.4	3.2	-3.2	76.8	NA	NA	NA	1.9
-4.3	2.3	-1.3	76.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
-5.4	1.5	2.8	-71.0	NA	NA	NA	1.0
-5.3	8.0	0.5	-29.9	NA	NA	NA	1.0
-5.6	1.8	-0.9	38.5	-5.4	10.0	8.6	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.2
-4.1	8.0	-1.6	-54.4	NA	NA	NA	1.4
-4.9	2.0	-0.8	142.1	-4.4	10.0	-125.7	2.1
-5.0	2.3	0.8	120.9	-4.4	4.2	-41.8	1.4
-4.4	4.8	2.8	-78.4	NA	NA	NA	1.6
-4.6	2.4	0.6	-32.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.8

ga	gw	zr	tp	la	lw	bt	er
-4.4	2.4	0.2	16.9	NA	NA	NA	1.0
-5.0	2.2	1.2	-71.4	NA	NA	NA	1.4
-5.1	4.6	-0.5	-77.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	2.0	0.0	74.7	NA	NA	NA	0.4
-5.1	3.5	2.6	-101.8	NA	NA	NA	1.1
-5.2	3.7	3.3	-55.3	NA	NA	NA	1.7
NA	NA	0.9	NA	NA	NA	NA	0.6
-4.9	1.3	-1.2	66.4	NA	NA	NA	0.9
-5.3	4.9	-3.1	-83.5	NA	NA	NA	1.4
-5.2	8.0	-0.5	-27.3	NA	NA	NA	1.0
-5.7	8.0	-0.5	15.8	-5.2	6.4	-6.4	1.0
-4.4	0.9	0.9	19.0	NA	NA	NA	1.0
-4.6	4.3	-0.1	-95.1	NA	NA	NA	1.7
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.9	8.0	0.9	22.2	NA	NA	NA	1.5
-4.8	0.8	0.2	24.3	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	0.8
-4.4	8.0	-0.4	-36.8	NA	NA	NA	1.2
-6.1	3.7	0.5	19.1	-4.9	1.2	-11.5	1.0
-4.2	8.0	0.8	27.1	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.6
-4.2	6.1	0.1	-65.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	6.6	0.0	30.0	NA	NA	NA	0.4
NA	NA	0.3	NA	NA	NA	NA	1.6
-4.1	1.0	-1.9	-48.1	NA	NA	NA	1.0
-5.8	7.7	0.0	10.4	NA	NA	NA	1.0
-4.9	1.0	1.1	27.9	NA	NA	NA	0.9
NA	NA	-0.2	NA	NA	NA	NA	1.8
-4.1	4.7	2.6	-47.3	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	0.5
-4.1	7.9	0.0	36.2	NA	NA	NA	0.5
NA	NA	1.8	NA	NA	NA	NA	1.8
-6.5	2.2	0.3	-12.0	NA	NA	NA	1.5
-5.6	1.0	0.1	130.2	-5.1	9.9	52.4	2.0
-6.0	1.3	2.1	67.6	-4.6	10.0	37.7	1.6
NA	NA	4.7	NA	NA	NA	NA	1.7
NA	NA	-2.2	NA	NA	NA	NA	1.0
-4.3	3.7	-2.9	42.8	NA	NA	NA	2.1
-4.4	4.4	2.5	41.8	NA	NA	NA	1.8
NA	NA	-2.6	NA	NA	NA	NA	2.3
-4.4	4.0	1.4	-24.3	NA	NA	NA	1.0
-4.7	1.7	-1.5	38.0	NA	NA	NA	1.1
-4.5	2.2	-0.9	36.7	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.2	2.3	-3.1	85.2	NA	NA	NA	1.8
-4.2	2.9	-0.9	85.7	NA	NA	NA	1.3
NA	NA	1.5	NA	NA	NA	NA	1.7
NA	NA	0.3	NA	NA	NA	NA	0.7
-6.0	2.5	-0.7	28.3	-4.7	5.5	-69.1	1.5
-5.9	1.7	-1.1	21.0	-4.8	9.5	-26.0	1.0
-4.8	4.9	-2.4	-52.7	NA	NA	NA	1.7
-4.8	1.1	1.0	-66.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.6	2.0	-0.2	19.3	NA	NA	NA	0.4
-5.2	0.9	0.0	-88.7	NA	NA	NA	1.0
-4.7	1.0	-1.8	-46.1	NA	NA	NA	1.0
-5.5	0.9	-0.1	119.6	-4.7	10.0	14.6	1.0
-5.5	0.9	-0.2	121.6	-4.6	5.8	28.2	1.0
-4.6	2.1	0.9	-75.2	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.2
-4.7	1.8	0.0	75.0	NA	NA	NA	1.4
-4.7	1.6	-1.8	54.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.0
-5.2	8.0	-0.7	-13.7	NA	NA	NA	1.0
-4.6	2.7	-0.7	118.5	-4.0	9.6	28.9	1.9
-4.9	3.0	1.1	69.0	NA	NA	NA	1.1
NA	NA	-3.1	NA	NA	NA	NA	1.5
-4.1	3.8	0.6	-67.5	NA	NA	NA	1.0
-4.8	6.0	-0.4	7.7	-4.0	4.9	-27.6	1.0
-4.2	2.2	-0.3	47.4	NA	NA	NA	1.0
-4.3	8.0	-1.9	-51.4	NA	NA	NA	2.2
-4.7	2.1	-2.2	-22.1	NA	NA	NA	0.7
-4.8	4.1	0.3	83.5	NA	NA	NA	1.6
-4.7	2.7	1.2	89.6	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.4
-5.1	8.0	-0.4	-11.3	NA	NA	NA	0.9
-5.0	3.0	-4.5	61.3	NA	NA	NA	1.6
-4.8	2.8	-1.0	67.7	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.5
-4.3	7.2	1.2	-41.9	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.0
-4.2	3.0	-0.3	36.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.9
NA	NA	-0.9	NA	NA	NA	NA	0.4
-4.7	3.2	-2.5	77.6	-3.9	1.8	-22.1	1.9
-4.6	5.1	1.1	82.9	-4.3	9.1	2.4	1.0
NA	NA	0.4	NA	NA	NA	NA	1.6
-4.2	8.0	-0.8	-22.7	NA	NA	NA	1.0
-4.3	4.5	-0.8	47.3	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	6.0	0.1	51.9	NA	NA	NA	0.9
NA	NA	3.0	NA	NA	NA	NA	1.8
-4.1	6.0	0.9	-95.5	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.3
-4.0	8.0	-0.4	77.3	NA	NA	NA	0.5
-4.3	8.0	-2.8	-87.7	NA	NA	NA	2.1
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.6	1.9	-4.3	108.5	NA	NA	NA	1.6
-4.8	2.4	-2.3	78.5	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.8
-4.1	3.5	-0.3	-44.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.2	6.9	0.0	24.2	NA	NA	NA	0.5
-4.3	3.7	1.1	-71.1	NA	NA	NA	1.9
NA	NA	-1.0	NA	NA	NA	NA	0.9
-4.3	1.7	0.8	128.9	NA	NA	NA	1.5
-4.2	1.9	0.9	93.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.9
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.5	2.7	-2.6	57.3	NA	NA	NA	1.5
-4.7	3.3	-1.4	24.7	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.2	2.0	-4.3	59.4	NA	NA	NA	1.8
-4.3	1.2	-1.9	33.1	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.3
-5.3	2.4	1.0	-18.7	NA	NA	NA	1.0
-4.8	1.5	3.0	138.7	NA	NA	NA	2.1
-4.9	1.5	-0.7	101.0	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.7	5.6	0.2	23.8	NA	NA	NA	1.0
-4.7	8.0	-0.1	21.3	NA	NA	NA	0.9
NA	NA	-1.0	NA	NA	NA	NA	1.4
-4.2	4.4	-0.2	-56.9	NA	NA	NA	1.0
-4.6	0.9	-0.2	83.2	-4.2	10.0	11.7	1.0
-4.6	1.2	0.5	61.9	-4.0	9.9	18.1	1.0
-4.1	6.4	0.2	-86.7	NA	NA	NA	2.0
-5.0	4.2	-1.3	-14.6	NA	NA	NA	1.2
-4.4	1.0	-2.9	150.4	NA	NA	NA	2.1
-4.5	1.2	-0.3	112.3	NA	NA	NA	1.2
NA	NA	-6.3	NA	NA	NA	NA	2.1
NA	NA	-1.4	NA	NA	NA	NA	1.1
-4.5	1.1	0.0	85.3	-4.2	10.0	14.6	1.0
-4.5	1.2	0.8	73.8	-4.2	10.0	12.2	1.0
-4.2	8.0	-0.5	-59.6	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.1	NA	NA	NA	NA	0.9
-5.1	8.0	0.0	37.1	-3.3	8.7	14.6	1.0
-4.9	2.6	-1.2	24.9	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.7
NA	NA	0.8	NA	NA	NA	NA	0.7
-4.8	6.0	-0.5	36.7	-4.3	1.0	11.5	0.5
-4.8	8.0	-0.9	14.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.2	2.3	0.5	72.2	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	0.7
NA	NA	1.4	NA	NA	NA	NA	1.2
-4.4	2.2	0.8	-13.2	NA	NA	NA	1.0
-4.6	8.0	0.1	36.6	NA	NA	NA	1.0
-4.5	3.4	-0.2	31.6	NA	NA	NA	1.0
NA	NA	4.1	NA	NA	NA	NA	2.1
-4.5	4.2	-1.6	-72.9	NA	NA	NA	1.0
-4.4	8.0	-0.8	-33.0	NA	NA	NA	1.0
-4.3	2.6	0.1	57.1	NA	NA	NA	1.0
-4.5	8.0	-1.6	-74.3	NA	NA	NA	1.3
-4.2	6.0	0.8	-58.1	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.2	8.0	-0.5	45.3	NA	NA	NA	1.0
-4.2	8.0	1.9	-102.5	NA	NA	NA	1.6
-4.4	8.0	-1.8	-78.4	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	6.5	0.3	114.9	NA	NA	NA	0.4
-4.2	5.0	0.9	-120.1	NA	NA	NA	1.0
-4.2	5.8	-1.1	-89.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	7.4	0.0	24.6	NA	NA	NA	0.3
-4.2	8.0	1.1	-118.7	NA	NA	NA	1.0
-4.4	8.0	1.3	-49.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.2	3.2	-0.8	48.3	NA	NA	NA	1.0
-4.2	2.3	-0.7	-100.7	NA	NA	NA	1.7
-4.5	3.6	-0.7	-79.2	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.0
-4.8	4.4	-1.6	20.4	NA	NA	NA	1.0
-4.5	5.3	-2.6	-79.5	NA	NA	NA	1.0
-4.5	8.0	-1.7	-77.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	5.3	0.4	30.9	NA	NA	NA	0.4
-4.5	8.0	1.3	-71.7	NA	NA	NA	1.0
-4.6	4.3	-2.5	-70.3	NA	NA	NA	1.3
-4.5	8.0	-3.7	-32.5	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.7	-1.3	45.8	NA	NA	NA	1.5
-4.5	4.0	-1.2	-75.6	NA	NA	NA	1.5
-4.4	8.0	-1.9	-33.1	NA	NA	NA	1.3
NA	NA	-2.0	NA	NA	NA	NA	0.8
-4.1	8.0	-0.4	27.2	NA	NA	NA	1.0
-4.4	2.4	2.7	-81.5	NA	NA	NA	1.9
-4.5	8.0	-1.8	-79.9	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	5.5	0.2	113.8	NA	NA	NA	0.4
-4.2	5.4	-1.3	-122.4	NA	NA	NA	1.4
-4.4	5.3	-1.8	-68.0	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	4.6	0.1	17.3	NA	NA	NA	0.3
-4.3	7.4	-1.9	-76.2	NA	NA	NA	1.5
-4.1	8.0	0.8	-59.6	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.6
-4.1	8.0	-0.2	49.7	NA	NA	NA	1.0
-4.3	2.7	1.5	-96.2	NA	NA	NA	1.8
-4.6	6.5	2.6	74.9	NA	NA	NA	1.4
-4.6	1.7	-1.0	83.2	NA	NA	NA	1.7
-5.4	1.6	-2.1	9.3	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.5	3.3	0.0	147.4	NA	NA	NA	1.5
-4.2	0.8	2.2	1179.7	NA	NA	NA	3.0
-5.1	0.9	-1.7	256.0	-4.1	10.0	82.7	2.3
NA	NA	1.0	NA	NA	NA	NA	1.8
-4.2	3.2	0.5	538.7	NA	NA	NA	1.6
-4.3	0.8	0.0	502.3	NA	NA	NA	1.7
-5.3	0.9	0.4	103.1	-4.4	9.7	42.1	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.9
-4.2	2.7	2.2	223.1	NA	NA	NA	1.0
-5.0	1.4	-0.1	317.6	NA	NA	NA	0.7
-5.3	2.0	-0.3	127.7	-4.5	7.3	90.4	0.4
NA	NA	-3.6	NA	NA	NA	NA	1.5
-4.1	1.7	5.2	214.5	NA	NA	NA	1.4
-4.7	0.8	0.6	266.3	NA	NA	NA	1.0
-5.2	1.1	-0.4	82.5	-4.5	10.0	54.1	0.9
NA	NA	-7.2	NA	NA	NA	NA	2.1
-4.4	3.4	-0.4	211.3	NA	NA	NA	1.1
-4.2	0.8	-0.1	168.8	NA	NA	NA	0.5
-5.3	1.2	0.1	22.3	-3.8	1.3	-19.7	0.3
NA	NA	-1.8	NA	NA	NA	NA	1.5
-4.0	1.6	0.3	159.5	NA	NA	NA	1.0
-5.0	0.8	0.0	304.8	NA	NA	NA	1.1
-5.2	0.9	0.1	149.1	-4.2	3.8	69.4	1.0
NA	NA	3.8	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-2.1	NA	NA	NA	NA	0.9
-4.9	8.0	-1.4	20.7	NA	NA	NA	1.6
-4.7	1.6	0.9	48.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.9
NA	NA	0.4	NA	NA	NA	NA	0.6
-4.3	2.4	0.7	54.2	NA	NA	NA	1.4
-4.3	2.1	0.6	52.0	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.9
NA	NA	-5.2	NA	NA	NA	NA	1.2
-4.5	4.8	-0.2	48.0	NA	NA	NA	1.7
-4.4	2.5	1.6	57.2	NA	NA	NA	1.8
NA	NA	-1.6	NA	NA	NA	NA	1.6
NA	NA	-1.6	NA	NA	NA	NA	1.0
-5.3	1.9	-1.7	19.3	NA	NA	NA	2.0
-4.9	1.0	0.4	29.5	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.5	1.9	0.7	-107.0	NA	NA	NA	1.0
-5.1	1.8	0.5	38.8	-4.6	9.4	-18.9	1.6
-4.5	1.4	-0.3	119.9	NA	NA	NA	1.0
-4.6	2.4	1.6	-106.5	NA	NA	NA	1.0
-4.5	8.0	1.6	-55.6	NA	NA	NA	1.0
-5.4	0.8	0.8	52.5	-4.4	4.0	-121.3	2.0
NA	NA	0.5	NA	NA	NA	NA	1.5
-4.7	2.8	-0.5	-100.6	NA	NA	NA	1.6
-4.3	7.1	1.9	-95.2	NA	NA	NA	1.6
NA	NA	0.7	NA	NA	NA	NA	0.7
-4.2	6.4	-0.8	188.9	NA	NA	NA	1.0
-4.3	5.8	-3.2	-110.7	NA	NA	NA	2.1
-4.3	8.0	1.5	-111.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	7.7	0.0	217.3	NA	NA	NA	0.4
-4.3	3.5	-0.3	-134.2	NA	NA	NA	1.0
-4.3	5.4	1.1	-71.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	6.6	-0.4	58.1	NA	NA	NA	0.5
-4.3	7.3	-0.4	-110.4	NA	NA	NA	1.4
-4.3	7.0	2.5	-107.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	8.0	-0.2	49.1	NA	NA	NA	0.3
-4.3	4.1	-0.1	-132.3	NA	NA	NA	1.1
-4.2	7.7	0.3	-99.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.4
-4.2	8.0	-0.1	123.9	NA	NA	NA	0.5
-4.2	3.2	-1.4	-135.0	NA	NA	NA	1.5
-5.3	3.0	-0.9	-17.1	NA	NA	NA	1.0
-5.0	1.2	-3.0	94.7	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-5.1	1.5	-0.4	81.0	NA	NA	NA	1.0
-5.6	0.8	2.7	-54.0	NA	NA	NA	1.7
-5.0	8.0	0.8	-17.8	NA	NA	NA	1.1
-5.1	3.3	0.3	93.7	-4.3	10.0	76.7	1.0
-5.0	3.3	-0.3	80.7	-4.2	8.9	46.4	1.0
-5.5	3.8	-0.8	-45.4	NA	NA	NA	1.3
-5.6	1.9	-0.7	-17.2	-4.1	3.6	-0.7	0.5
-5.4	1.3	1.9	79.7	NA	NA	NA	1.8
-5.5	1.4	0.9	68.0	NA	NA	NA	1.3
-5.7	0.4	6.4	-68.2	NA	NA	NA	1.1
-5.3	2.5	0.2	-19.9	NA	NA	NA	1.0
-5.2	4.1	0.0	44.5	NA	NA	NA	1.0
-5.0	2.3	-0.6	58.5	NA	NA	NA	1.0
-5.9	1.9	-3.5	-41.5	NA	NA	NA	1.7
-4.2	7.9	-1.6	-28.2	NA	NA	NA	1.0
-4.2	8.0	-0.5	50.9	NA	NA	NA	1.3
-4.2	8.0	-0.3	51.9	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.8
-4.9	2.2	0.1	-35.2	NA	NA	NA	1.2
-4.9	1.2	-2.8	111.9	NA	NA	NA	1.1
-4.8	1.4	-1.7	144.6	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.8	1.8	-3.9	-43.6	NA	NA	NA	1.3
-5.4	6.2	-0.4	53.6	-4.4	1.5	25.1	1.0
-5.3	3.4	0.8	54.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-4.4	8.0	0.7	-101.6	NA	NA	NA	1.0
-4.4	6.0	0.9	-27.8	NA	NA	NA	1.0
-4.4	8.0	0.3	194.8	NA	NA	NA	1.0
-4.6	8.0	1.8	-104.0	NA	NA	NA	1.0
-5.0	1.7	-2.2	-33.7	NA	NA	NA	1.0
-5.2	2.1	-0.2	67.0	NA	NA	NA	1.3
-5.0	1.8	0.1	89.1	NA	NA	NA	1.4
NA	NA	2.6	NA	NA	NA	NA	1.4
-5.5	7.5	0.2	7.2	-4.7	5.7	-4.5	1.0
-5.0	1.6	0.5	35.9	-4.4	8.9	-6.0	1.0
-4.9	4.4	0.9	21.2	-4.3	7.2	-15.1	1.0
NA	NA	1.3	NA	NA	NA	NA	1.7
-4.5	8.0	-0.9	29.1	NA	NA	NA	1.1
-5.3	2.7	-1.4	31.3	NA	NA	NA	2.0
-5.5	3.1	0.5	11.3	-4.2	10.0	-19.7	0.7
NA	NA	0.5	NA	NA	NA	NA	1.1
-4.9	1.6	0.7	-21.4	-4.2	10.0	17.3	1.5
-4.8	1.0	1.2	130.1	-4.1	9.9	10.8	1.7
-4.7	1.2	1.0	106.2	-4.2	10.0	9.5	1.3
NA	NA	-2.6	NA	NA	NA	NA	2.5

ga	gw	zr	tp	la	lw	bt	er
-4.1	3.8	0.5	-39.5	NA	NA	NA	1.0
-4.7	8.0	0.9	28.8	NA	NA	NA	1.0
-4.2	2.0	-0.4	69.1	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	2.0
-5.1	0.8	0.4	32.2	NA	NA	NA	1.0
-6.1	7.8	1.7	26.7	-4.5	1.7	-88.8	2.4
-4.7	2.4	-1.5	-52.1	NA	NA	NA	1.8
-5.5	0.7	1.4	-37.4	NA	NA	NA	1.2
-6.5	8.0	2.3	-23.0	NA	NA	NA	1.3
-6.3	1.6	-0.2	15.6	NA	NA	NA	1.0
-6.3	1.8	-0.8	26.4	NA	NA	NA	1.0
-6.6	1.1	1.4	-42.9	NA	NA	NA	1.3
-6.4	8.0	-0.7	-20.6	NA	NA	NA	1.3
-5.1	0.5	-0.2	20.7	NA	NA	NA	1.0
-6.6	2.6	0.3	20.3	NA	NA	NA	1.0
-6.7	1.2	1.0	-57.9	NA	NA	NA	1.4
-4.7	3.9	-1.4	-73.2	NA	NA	NA	1.0
-5.3	8.0	-1.1	85.8	-4.9	10.0	-31.5	1.3
-4.4	8.0	0.1	71.7	NA	NA	NA	1.0
-4.5	4.6	-1.8	-91.9	NA	NA	NA	1.0
-4.3	5.2	-2.3	-81.8	NA	NA	NA	1.0
-5.3	3.9	-0.1	33.4	-5.0	10.0	3.4	1.0
-4.2	4.4	0.7	200.9	NA	NA	NA	0.9
-4.5	1.4	2.0	-120.3	NA	NA	NA	2.1
-4.5	1.5	2.0	-99.6	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.1
-4.2	4.6	0.0	44.9	NA	NA	NA	0.3
-4.5	2.2	0.5	-117.8	NA	NA	NA	1.2
-4.3	8.0	0.5	-83.8	NA	NA	NA	1.0
-4.4	8.0	1.0	-20.4	NA	NA	NA	1.0
-4.1	8.0	0.9	198.2	NA	NA	NA	1.0
-4.1	3.2	-1.7	-128.0	NA	NA	NA	1.5
-4.5	8.0	1.9	-69.8	NA	NA	NA	1.3
-4.6	6.7	1.0	-19.1	NA	NA	NA	1.0
-4.5	7.8	-0.4	38.8	NA	NA	NA	1.0
-4.7	4.0	-2.3	-110.0	NA	NA	NA	1.2
-4.5	6.0	0.8	-107.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	7.1	-0.2	148.2	NA	NA	NA	0.4
-4.7	3.8	0.5	-101.0	NA	NA	NA	1.0
-4.5	6.9	-0.1	-101.0	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.5	3.8	0.1	38.5	NA	NA	NA	0.3
-4.8	8.0	-0.3	-101.9	NA	NA	NA	1.4
-4.4	8.0	0.6	-87.6	NA	NA	NA	1.2
-4.4	4.1	0.9	-29.7	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	0.5	110.1	NA	NA	NA	1.0
-4.5	2.9	-0.5	-131.5	NA	NA	NA	1.5
NA	NA	-11.2	NA	NA	NA	NA	1.7
-8.3	1.4	-5.0	118.6	-6.9	6.3	-17.4	1.1
-8.4	1.7	-2.1	106.7	-6.9	9.7	-3.1	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.8
-7.0	2.3	-0.5	13.5	-4.7	5.5	1.5	1.2
-8.3	6.2	0.9	15.9	-7.2	1.7	-39.9	1.8
-7.2	2.7	2.8	-27.1	NA	NA	NA	1.6
NA	NA	1.2	NA	NA	NA	NA	1.1
-6.3	0.9	1.6	-41.3	NA	NA	NA	1.5
NA	NA	-1.5	NA	NA	NA	NA	0.6
-4.9	1.0	0.1	21.4	NA	NA	NA	0.4
-7.9	1.5	-2.8	-87.9	-7.2	10.0	-24.4	2.4
-5.3	0.4	-12.7	-45.1	NA	NA	NA	1.4
-8.6	5.6	57.6	134.0	-8.1	2.6	-18.2	1.0
-8.5	1.5	45.0	130.2	-7.9	5.0	3.1	1.4
-7.7	8.0	-6.3	21.1	NA	NA	NA	1.9
NA	NA	-1.2	NA	NA	NA	NA	1.0
-4.1	8.0	-11.1	64.9	NA	NA	NA	2.3
-4.0	3.0	-3.4	43.6	NA	NA	NA	1.1
NA	NA	1.8	NA	NA	NA	NA	1.2
NA	NA	-1.5	NA	NA	NA	NA	0.7
-4.6	8.0	-3.8	52.7	NA	NA	NA	1.8
-4.4	8.0	-0.1	48.3	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	1.4
-5.3	3.0	-2.8	-16.9	NA	NA	NA	1.6
-5.8	1.0	-0.9	20.2	NA	NA	NA	1.3
-5.2	1.0	0.6	27.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.1
-5.7	2.5	-0.7	-23.2	NA	NA	NA	1.0
-5.8	4.1	2.1	40.1	NA	NA	NA	1.5
-5.8	2.0	0.9	65.1	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.3
NA	NA	-1.0	NA	NA	NA	NA	0.6
-4.5	3.8	1.5	43.0	NA	NA	NA	1.8
-4.3	2.6	0.3	42.7	NA	NA	NA	1.0
NA	NA	2.8	NA	NA	NA	NA	1.3
NA	NA	-1.1	NA	NA	NA	NA	0.7
-4.5	1.4	-3.6	54.0	NA	NA	NA	1.5
-4.2	2.0	-0.1	54.5	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
-5.4	0.4	3.7	-19.5	NA	NA	NA	1.1
-4.8	1.5	4.8	62.4	NA	NA	NA	1.8
-4.4	0.8	1.2	68.9	NA	NA	NA	1.5
NA	NA	2.4	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.5	NA	NA	NA	NA	1.2
-5.2	0.5	-4.2	87.3	NA	NA	NA	1.9
-5.8	0.4	-3.6	44.9	NA	NA	NA	1.4
-6.2	8.0	-1.4	-27.6	NA	NA	NA	2.0
-4.9	5.8	0.1	-8.4	NA	NA	NA	1.0
-6.5	0.8	-1.8	84.9	NA	NA	NA	1.2
-6.3	0.7	-1.9	67.6	NA	NA	NA	1.3
-6.4	1.4	0.3	-66.9	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.7	1.5	0.6	50.7	NA	NA	NA	1.1
-4.6	2.1	0.1	47.8	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.3
-6.1	1.8	-2.8	-48.9	-5.3	9.7	-13.3	1.3
-6.0	0.8	-1.5	282.8	-5.1	10.0	1.0	2.1
-6.0	1.2	4.9	331.3	-5.1	10.0	-1.9	2.4
NA	NA	-5.2	NA	NA	NA	NA	1.9
-4.9	2.3	-1.5	-21.6	NA	NA	NA	1.1
-4.6	0.6	-0.1	56.8	NA	NA	NA	2.1
-4.7	0.9	0.7	69.8	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.8
-4.3	2.3	1.5	-100.3	NA	NA	NA	1.0
-4.2	8.0	-0.1	-44.5	NA	NA	NA	1.3
-4.5	1.9	-0.9	41.2	-4.0	9.2	-0.1	1.0
-4.3	2.5	1.0	-135.6	NA	NA	NA	1.0
-4.5	5.0	-0.4	-73.3	NA	NA	NA	1.0
-4.3	8.0	3.4	-36.0	NA	NA	NA	1.3
-4.5	1.9	2.0	50.5	NA	NA	NA	1.1
-4.4	1.9	-0.8	-107.1	NA	NA	NA	1.2
-4.1	8.0	1.4	-43.4	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.8
-4.3	8.0	-0.6	33.0	NA	NA	NA	1.0
NA	NA	-4.2	NA	NA	NA	NA	2.0
NA	NA	-0.7	NA	NA	NA	NA	1.4
-5.5	4.5	0.7	33.9	NA	NA	NA	1.0
-5.4	2.4	0.1	36.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.2
-5.7	8.0	-1.1	-12.0	NA	NA	NA	0.9
-5.6	3.6	-0.3	65.4	-5.0	3.9	27.2	1.8
-5.6	8.0	0.9	53.5	NA	NA	NA	1.3
-5.6	8.0	-3.5	27.5	NA	NA	NA	1.8
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.9	3.0	-0.2	48.2	-4.4	3.2	1.8	0.5
-5.1	3.6	-0.6	25.3	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.7
-6.6	1.3	0.5	-41.0	-4.1	1.7	-11.1	0.7
-6.8	1.5	0.8	107.3	-4.3	6.2	83.3	1.2



ga	gw	zr	tp	la	lw	bt	er
-6.6	1.5	0.3	124.6	-3.8	1.0	65.6	1.8
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.2	8.0	-1.1	-87.5	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.3
-4.1	8.0	-0.2	62.2	NA	NA	NA	0.5
-4.4	2.9	0.7	-78.3	NA	NA	NA	2.0
-4.3	8.0	3.6	-51.3	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	6.4	-0.6	39.7	NA	NA	NA	0.5
-4.4	3.0	4.2	-84.6	NA	NA	NA	1.7
-6.5	8.0	-2.1	-9.4	NA	NA	NA	1.0
-6.4	1.2	-0.4	20.0	-3.9	1.7	0.0	0.5
-6.4	1.6	0.1	11.6	NA	NA	NA	0.3
NA	NA	-0.3	NA	NA	NA	NA	1.7
-4.1	3.5	-2.1	-106.8	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.2
-4.1	7.8	0.0	205.1	NA	NA	NA	0.5
-4.3	8.0	1.0	-89.9	NA	NA	NA	1.7
-5.0	1.9	-1.0	-23.2	-4.0	10.0	-6.2	0.9
-5.0	2.1	1.5	79.3	NA	NA	NA	1.9
-4.8	1.1	1.1	79.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-5.2	1.6	0.0	-18.8	NA	NA	NA	1.0
-5.2	0.9	-3.1	89.1	NA	NA	NA	1.8
-5.0	1.0	-1.6	80.1	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.3
-5.3	3.0	2.5	-5.9	NA	NA	NA	1.1
-5.5	1.4	-0.2	96.6	-4.1	0.7	53.4	1.0
-5.3	1.4	-1.5	72.3	-4.5	2.0	47.5	1.0
NA	NA	-7.7	NA	NA	NA	NA	2.2
NA	NA	0.1	NA	NA	NA	NA	1.1
-5.4	1.5	-0.1	99.7	-4.3	9.9	63.9	1.0
-5.4	1.6	0.5	72.0	-4.3	9.7	35.6	1.0
-5.8	2.3	0.5	-58.7	NA	NA	NA	1.7
NA	NA	-0.9	NA	NA	NA	NA	1.1
-5.2	1.4	-0.3	111.7	-4.6	4.6	81.2	1.0
-5.3	1.6	-0.1	75.4	-4.0	0.8	34.0	0.5
-5.8	8.0	2.8	-21.2	NA	NA	NA	2.0
-4.4	0.8	0.8	-20.2	NA	NA	NA	0.9
-4.7	4.0	-0.6	32.3	NA	NA	NA	1.7
-4.3	1.5	-0.7	59.3	NA	NA	NA	1.2
NA	NA	3.4	NA	NA	NA	NA	1.5
NA	NA	1.0	NA	NA	NA	NA	1.1
-4.6	1.8	-1.9	81.7	NA	NA	NA	2.2
-4.5	1.5	-1.5	70.3	NA	NA	NA	1.6
NA	NA	-4.5	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.2	4.2	-0.6	-59.2	NA	NA	NA	1.0
-4.6	2.4	-0.3	17.9	-4.0	9.9	-26.3	1.0
-4.4	1.7	0.5	21.4	NA	NA	NA	1.0
-4.2	1.6	0.0	-91.4	NA	NA	NA	2.0
-5.1	2.0	0.9	-14.0	NA	NA	NA	1.0
-5.3	4.8	0.5	100.1	-4.9	1.5	51.6	1.0
-5.3	6.0	0.4	86.8	-5.0	2.2	47.4	1.0
NA	NA	3.0	NA	NA	NA	NA	1.9
NA	NA	-1.4	NA	NA	NA	NA	0.8
-4.3	1.4	-0.6	103.9	NA	NA	NA	1.7
-4.5	2.4	0.2	53.4	NA	NA	NA	1.0
NA	NA	-7.9	NA	NA	NA	NA	1.9
NA	NA	0.2	NA	NA	NA	NA	0.7
-4.2	1.3	-1.0	77.5	NA	NA	NA	1.7
-4.2	2.3	-0.4	63.5	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.6
-5.5	1.3	-0.1	47.6	-4.6	2.4	19.6	1.4
-4.6	0.5	-0.3	34.4	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.4
NA	NA	1.4	NA	NA	NA	NA	0.6
-4.4	1.2	-12.1	76.4	NA	NA	NA	2.1
-4.3	1.5	-7.3	52.2	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.9
NA	NA	-9.0	NA	NA	NA	NA	1.6
-4.5	1.7	-1.9	37.7	NA	NA	NA	1.1
-4.5	1.2	-0.4	42.7	NA	NA	NA	1.4
NA	NA	-3.9	NA	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	0.7
-4.9	1.1	-7.2	50.3	-4.2	10.0	3.4	2.1
-4.7	7.3	1.3	35.5	-4.2	3.4	-2.2	1.0
NA	NA	0.8	NA	NA	NA	NA	1.4
-4.9	2.0	1.2	-86.8	NA	NA	NA	0.7
-5.6	4.2	1.0	35.0	-4.6	10.0	-34.4	1.0
-5.0	2.2	0.0	120.7	-4.5	10.0	64.1	1.0
-4.8	8.0	-1.6	-94.5	NA	NA	NA	1.2
-4.8	3.8	2.5	-74.3	NA	NA	NA	1.2
-5.2	8.0	-3.8	32.2	-4.5	10.0	-124.6	2.1
-5.2	7.2	-1.7	38.5	-4.5	3.0	1.6	1.3
-4.7	8.0	-0.1	-95.0	NA	NA	NA	1.6
-4.6	8.0	-0.5	-74.8	NA	NA	NA	1.1
-4.4	4.0	-0.7	-26.6	NA	NA	NA	1.0
-4.3	3.2	-0.2	163.8	NA	NA	NA	1.0
-4.7	0.8	-1.6	-117.9	NA	NA	NA	1.9
-4.7	8.0	0.5	-89.7	NA	NA	NA	1.0
-4.7	8.0	0.1	-4.2	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	4.9	-0.1	146.1	NA	NA	NA	0.4
-5.0	2.9	1.1	-100.4	NA	NA	NA	1.1
-4.6	2.6	2.9	-88.0	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.2
-4.3	2.9	-0.7	206.6	NA	NA	NA	0.9
-4.7	3.1	-1.8	-94.5	NA	NA	NA	1.1
-4.6	8.0	-2.6	-80.4	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	4.3	0.2	31.4	NA	NA	NA	0.3
-4.6	8.0	-1.7	-98.5	NA	NA	NA	1.8
-4.7	7.0	1.9	-83.0	NA	NA	NA	1.0
-4.6	8.0	0.8	-20.9	NA	NA	NA	1.0
-4.4	3.8	0.0	175.7	NA	NA	NA	1.0
-4.8	2.7	-1.8	-103.5	NA	NA	NA	1.4
-4.6	8.0	0.0	-66.4	NA	NA	NA	1.0
-4.9	8.0	-1.0	-29.4	NA	NA	NA	1.2
-4.2	8.0	-1.0	37.7	NA	NA	NA	1.2
-4.7	4.7	-3.3	-66.5	NA	NA	NA	1.6
-4.3	2.1	0.4	-98.1	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	2.1	-0.1	46.5	NA	NA	NA	0.4
-4.8	2.6	-0.4	-96.3	NA	NA	NA	1.0
-4.3	3.7	1.1	-54.4	NA	NA	NA	1.2
-5.3	3.1	0.9	26.9	-4.4	8.0	-7.3	1.0
-4.6	1.0	0.2	36.7	NA	NA	NA	1.0
-4.3	1.8	-0.6	-91.1	NA	NA	NA	1.3
-4.8	0.7	-0.7	-19.1	NA	NA	NA	1.0
-5.2	1.6	0.6	36.3	NA	NA	NA	1.0
-5.0	1.2	0.7	42.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.6	1.8	0.9	-104.2	NA	NA	NA	1.4
-4.8	4.3	-0.9	19.0	-4.5	9.4	-20.4	1.0
-4.6	2.0	-1.5	131.5	NA	NA	NA	1.0
-5.0	0.5	5.2	-48.8	NA	NA	NA	1.6
-4.5	2.3	-0.6	-44.6	NA	NA	NA	1.0
-4.8	8.0	1.3	28.5	NA	NA	NA	1.8
-4.6	2.2	1.0	71.4	NA	NA	NA	1.4
-4.8	4.6	0.1	-37.5	NA	NA	NA	1.7
-4.2	4.3	-1.6	-65.6	NA	NA	NA	1.0
-4.1	8.0	-0.4	-116.6	NA	NA	NA	1.5
-4.5	8.0	1.5	27.4	-4.0	10.0	-9.9	0.7
-4.1	6.8	0.4	-123.7	NA	NA	NA	1.6
-4.4	7.9	0.9	-80.2	NA	NA	NA	1.5
NA	NA	0.3	NA	NA	NA	NA	0.2
-4.2	7.8	-0.4	283.2	NA	NA	NA	0.9
-4.4	8.0	-4.9	-97.2	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.1	5.2	-0.8	-98.0	NA	NA	NA	1.0
-4.2	2.8	0.0	-41.2	NA	NA	NA	1.0
-4.1	8.0	0.5	237.0	NA	NA	NA	1.0
-4.1	3.1	1.1	-124.3	NA	NA	NA	1.8
-4.5	2.4	0.1	-88.9	NA	NA	NA	1.0
-4.2	8.0	-0.6	-34.3	NA	NA	NA	1.0
-4.4	1.3	-1.4	103.3	NA	NA	NA	1.0
-4.5	7.3	0.1	-98.2	NA	NA	NA	1.0
-4.4	4.6	1.6	-63.8	NA	NA	NA	1.0
-4.4	5.4	0.6	-14.4	NA	NA	NA	1.0
-4.2	4.4	-0.7	87.3	NA	NA	NA	1.0
-4.4	8.0	0.7	-84.7	NA	NA	NA	1.8
-4.2	3.4	-0.8	-109.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.1	4.0	0.2	180.1	NA	NA	NA	0.4
-4.4	8.0	-0.3	-98.8	NA	NA	NA	1.4
-4.3	4.1	-4.1	-51.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.2	1.8	41.7	NA	NA	NA	0.9
-4.2	8.0	5.0	-104.9	NA	NA	NA	1.7
-4.2	4.0	0.6	-89.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.3	-0.1	22.1	NA	NA	NA	0.3
-4.2	4.2	1.7	-122.8	NA	NA	NA	1.0
-4.7	1.6	1.7	-89.6	NA	NA	NA	1.0
-4.6	8.0	0.6	-33.0	NA	NA	NA	1.1
-4.7	1.2	-1.4	55.4	NA	NA	NA	1.1
-4.6	4.6	-2.5	-89.0	NA	NA	NA	1.2
-4.2	2.7	-0.7	-54.1	NA	NA	NA	1.0
-4.1	5.5	-1.1	-59.3	NA	NA	NA	1.3
-4.2	3.0	-2.0	35.9	NA	NA	NA	1.3
-4.2	8.0	-4.0	-62.3	NA	NA	NA	1.6
-4.2	4.5	1.0	-110.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	7.3	-0.4	150.5	NA	NA	NA	0.4
-4.2	3.9	1.6	-132.1	NA	NA	NA	1.0
-4.3	2.8	0.7	-111.8	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	4.4	0.1	234.1	NA	NA	NA	0.9
-4.5	2.9	-4.3	-91.8	NA	NA	NA	2.0
-4.3	2.3	-1.0	-98.9	NA	NA	NA	1.4
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	4.5	0.0	27.3	NA	NA	NA	0.3
-4.3	6.5	-0.1	-98.8	NA	NA	NA	1.2
-4.1	5.0	0.3	-90.0	NA	NA	NA	1.0
-4.1	7.5	0.4	-20.0	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.1	7.5	0.7	208.6	NA	NA	NA	1.0
-4.1	5.6	3.8	-112.8	NA	NA	NA	2.0
-5.0	1.3	2.2	-35.3	-4.8	9.9	-0.5	1.3
-5.6	3.2	-0.2	33.1	-5.2	10.0	-9.2	1.0
-5.6	3.1	-0.2	29.1	-5.1	10.0	-6.5	1.0
-5.3	8.0	1.7	-57.3	-4.8	10.0	4.6	2.0
-6.4	8.0	-1.4	-11.6	NA	NA	NA	1.1
-6.2	3.9	-0.8	58.4	NA	NA	NA	2.3
-6.1	1.5	0.7	80.6	-5.1	1.2	25.8	1.8
NA	NA	-6.6	NA	NA	NA	NA	2.1
-4.3	4.7	1.3	-29.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	2.0	-0.2	11.5	NA	NA	NA	0.4
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.2	3.3	-0.1	-51.8	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	0.6
-4.3	4.2	-1.1	34.8	NA	NA	NA	0.5
NA	NA	-0.7	NA	NA	NA	NA	1.6
-4.4	8.0	0.3	-46.2	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	6.2	-0.3	23.0	NA	NA	NA	0.5
NA	NA	-6.9	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	0.6
-5.7	2.9	-1.6	53.2	NA	NA	NA	1.0
-5.6	2.6	-0.2	55.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.6	1.2	2.3	56.9	NA	NA	NA	1.3
-4.6	4.8	1.6	29.3	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.7
-4.9	1.0	2.7	-14.2	NA	NA	NA	1.0
-5.2	2.5	-2.2	38.3	-4.7	10.0	-3.4	1.3
-5.2	3.1	-1.4	24.3	-4.4	7.8	-11.9	1.0
NA	NA	-3.8	NA	NA	NA	NA	1.6
-4.4	7.3	-1.0	-92.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.3	8.0	0.4	71.9	NA	NA	NA	0.5
-4.6	8.0	-1.1	-95.2	NA	NA	NA	1.7
-6.6	1.0	-0.2	-19.0	-4.7	2.4	-5.4	0.9
-7.1	2.7	2.0	58.0	NA	NA	NA	1.5
-6.7	1.2	1.1	58.7	-4.8	6.5	34.3	1.8
NA	NA	2.1	NA	NA	NA	NA	1.4
-6.8	8.0	1.7	-12.5	NA	NA	NA	1.1
-6.9	8.0	1.2	28.2	-4.9	10.0	6.3	2.0
-6.8	8.0	-0.1	29.9	NA	NA	NA	1.6
NA	NA	6.3	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-7.4	3.9	-0.6	14.4	NA	NA	NA	1.1
-7.3	2.9	1.0	12.5	-6.7	3.3	4.4	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.3
NA	NA	-0.2	NA	NA	NA	NA	1.5
-6.8	1.3	1.9	-14.0	NA	NA	NA	1.0
-7.2	2.9	-2.3	47.8	NA	NA	NA	1.3
-7.1	1.9	-2.5	42.5	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.1
-7.4	4.0	2.5	-13.0	NA	NA	NA	1.2
-7.6	8.0	-0.5	33.7	-6.3	4.1	1.5	2.6
-7.6	8.0	-2.3	23.1	NA	NA	NA	2.0
NA	NA	6.8	NA	NA	NA	NA	1.6
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.9	0.8	1.5	37.0	NA	NA	NA	1.2
-4.8	0.9	1.1	29.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.1
-5.1	4.8	0.3	-28.9	-4.4	10.0	3.9	0.9
-5.0	3.1	-4.1	104.7	-4.5	5.5	-86.8	1.8
-5.1	8.0	-1.8	79.6	-4.5	7.9	-32.7	1.2
-4.4	8.0	1.0	-44.5	NA	NA	NA	1.7
-4.3	0.9	0.7	-53.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.7	1.0	0.3	17.3	NA	NA	NA	1.0
-4.1	3.9	-4.0	-71.2	NA	NA	NA	1.8
-4.5	2.5	0.2	-26.0	NA	NA	NA	1.2
-5.0	8.0	-2.0	21.2	-3.4	0.5	-17.0	1.0
-4.8	3.5	-0.7	27.5	NA	NA	NA	1.0
NA	NA	4.4	NA	NA	NA	NA	1.8
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.7	1.5	0.3	27.4	NA	NA	NA	1.0
-4.3	1.0	0.2	36.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.9
NA	NA	0.8	NA	NA	NA	NA	0.9
-5.0	8.0	-1.8	109.8	-4.4	3.9	-71.6	1.8
-5.0	7.9	-2.6	62.2	-4.4	10.0	-25.6	1.2
NA	NA	2.6	NA	NA	NA	NA	1.1
-4.2	2.6	0.7	-60.5	NA	NA	NA	1.0
-4.2	2.8	-0.6	46.0	NA	NA	NA	1.0
-4.2	3.5	-0.6	89.5	NA	NA	NA	1.0
NA	NA	-4.6	NA	NA	NA	NA	2.2
-4.5	1.4	1.4	-43.7	NA	NA	NA	1.1
-4.5	8.0	-0.5	36.0	-4.3	10.0	-6.0	1.0
-4.7	3.8	-0.4	53.5	-4.3	7.9	4.7	1.0
NA	NA	-0.5	NA	NA	NA	NA	2.0
-4.4	5.2	-0.3	-38.1	NA	NA	NA	1.1
-4.4	1.8	0.0	77.0	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.2	0.7	102.7	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	1.2
NA	NA	0.5	NA	NA	NA	NA	0.6
-4.3	8.0	0.9	64.5	NA	NA	NA	1.6
-4.3	8.0	0.3	28.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.3	1.2	1.5	80.1	NA	NA	NA	1.7
-4.8	2.2	0.2	35.8	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.8
-4.5	5.2	0.5	-89.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.6
-4.4	5.6	0.0	210.9	NA	NA	NA	1.0
-4.7	7.4	0.4	-97.6	NA	NA	NA	1.1
-6.4	1.5	-0.8	-49.0	-4.8	2.9	-18.3	1.4
-6.4	3.6	0.4	70.7	-6.0	10.0	-1.1	2.0
-6.5	3.6	0.4	83.2	-6.1	5.7	10.4	1.6
NA	NA	-0.6	NA	NA	NA	NA	1.8
-5.4	8.0	1.7	-12.1	NA	NA	NA	1.2
-4.4	4.3	-1.1	43.6	NA	NA	NA	1.4
-4.9	8.0	-1.8	34.5	NA	NA	NA	1.2
NA	NA	-7.1	NA	NA	NA	NA	2.1
-5.7	8.0	-2.6	14.6	NA	NA	NA	1.3
-4.8	8.0	0.3	22.3	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	2.0
-6.0	0.7	5.4	-13.0	-4.8	10.0	-1.0	1.2
-6.7	4.0	0.5	27.5	NA	NA	NA	1.3
-6.5	2.5	-0.7	27.8	-4.7	9.4	7.8	0.9
NA	NA	-6.6	NA	NA	NA	NA	2.6
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.9	2.3	1.1	48.9	-4.3	10.0	6.4	1.0
-5.1	6.2	0.5	18.8	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	2.0
-6.0	1.2	0.2	-33.5	NA	NA	NA	1.0
-6.1	2.0	1.5	96.7	NA	NA	NA	1.4
-6.0	1.5	0.2	111.6	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	1.0
-4.5	3.7	-0.1	43.6	NA	NA	NA	1.0
-4.5	2.9	-0.1	47.1	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	1.5
NA	NA	1.8	NA	NA	NA	NA	1.1
-4.5	3.1	0.9	44.2	NA	NA	NA	1.2
-4.6	2.9	0.0	14.7	NA	NA	NA	0.9
NA	NA	2.8	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.5	0.8	-0.7	33.4	NA	NA	NA	1.0
-4.4	0.8	0.2	24.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.8
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.4	1.1	-0.1	37.7	NA	NA	NA	1.0
-4.4	1.2	-0.4	32.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.6
NA	NA	0.5	NA	NA	NA	NA	1.2
-4.5	0.8	0.0	32.6	NA	NA	NA	1.0
-4.4	0.9	-0.3	24.5	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	2.0
NA	NA	-1.8	NA	NA	NA	NA	0.9
-4.6	0.7	-2.9	59.2	NA	NA	NA	1.5
-4.9	2.1	0.0	42.1	NA	NA	NA	1.0
NA	NA	3.3	NA	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	0.7
-5.5	2.6	1.7	113.2	NA	NA	NA	1.7
-5.5	2.4	-0.3	70.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.2
NA	NA	1.5	NA	NA	NA	NA	0.5
-5.9	1.1	0.1	95.1	NA	NA	NA	1.0
-5.9	1.8	-0.4	68.4	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	2.2
NA	NA	1.9	NA	NA	NA	NA	0.4
-5.6	2.5	0.1	30.8	NA	NA	NA	0.5
-5.7	3.0	-0.2	15.0	NA	NA	NA	0.4
NA	NA	-1.7	NA	NA	NA	NA	1.3
NA	NA	1.3	NA	NA	NA	NA	0.7
-5.5	1.2	0.0	69.2	NA	NA	NA	1.0
-5.6	2.5	0.0	48.6	NA	NA	NA	0.9
NA	NA	-3.2	NA	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	0.8
-5.6	1.4	-2.0	74.0	NA	NA	NA	1.0
-5.5	2.0	-0.4	39.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.8
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.4	6.1	2.7	38.2	NA	NA	NA	1.4
-4.3	3.9	1.6	44.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.4	3.0	-9.2	54.1	NA	NA	NA	2.0
-4.4	4.5	-1.0	40.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.1
-4.4	1.6	1.0	-41.4	NA	NA	NA	1.0
-4.5	1.2	0.4	98.5	NA	NA	NA	1.3



ga	gw	zr	tp	la	lw	bt	er
-4.4	1.2	0.1	114.5	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.1
-5.4	2.6	1.5	-23.6	-4.8	10.0	5.0	0.6
-5.0	1.4	2.4	127.4	-4.4	10.0	-18.6	1.7
-5.4	2.3	0.0	78.9	-4.7	10.0	-3.6	1.2
-4.4	3.7	-2.2	-79.4	NA	NA	NA	1.8
-4.5	5.6	-0.1	36.1	NA	NA	NA	1.0
-4.6	1.8	0.7	108.7	NA	NA	NA	1.0
-4.8	1.2	0.5	31.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.8	2.0	0.4	-14.6	NA	NA	NA	1.0
-4.9	4.8	0.3	32.9	NA	NA	NA	0.5
-4.9	5.1	0.2	26.2	NA	NA	NA	0.4
-5.0	5.3	1.7	-30.6	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	0.8
-4.8	1.6	0.7	35.9	NA	NA	NA	1.0
-4.7	1.1	0.2	26.9	NA	NA	NA	0.9
NA	NA	1.0	NA	NA	NA	NA	2.1
-5.5	3.8	-0.5	-52.4	-4.6	10.0	-9.4	0.7
-5.3	3.2	0.0	228.9	-4.4	10.0	112.4	1.1
-4.9	1.8	-0.9	664.2	-4.7	9.9	140.1	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.6
-4.1	8.0	-0.9	-54.5	NA	NA	NA	1.7
-5.5	1.5	3.1	157.6	-4.7	10.0	-83.3	2.2
-5.6	1.9	1.0	95.9	-5.1	10.0	-4.6	1.6
-4.3	1.6	0.8	-127.4	NA	NA	NA	1.6
-4.4	3.0	-0.5	34.5	NA	NA	NA	1.3
-4.1	0.9	-0.7	220.0	NA	NA	NA	1.3
-4.1	0.6	-1.5	81.2	NA	NA	NA	1.0
-4.4	8.0	2.1	-56.1	NA	NA	NA	2.2
-4.5	5.2	-0.1	-65.1	NA	NA	NA	1.0
-5.2	2.5	0.1	22.4	NA	NA	NA	0.5
-4.3	1.4	-0.1	117.2	NA	NA	NA	0.4
-4.5	1.2	1.2	-109.7	NA	NA	NA	1.1
NA	NA	1.8	NA	NA	NA	NA	0.9
-4.3	0.9	0.1	95.9	NA	NA	NA	1.0
-4.2	0.9	-0.6	70.3	NA	NA	NA	0.9
NA	NA	-1.2	NA	NA	NA	NA	2.1
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.3	1.0	-0.1	81.1	NA	NA	NA	0.5
-4.3	1.0	0.0	33.2	NA	NA	NA	0.3
NA	NA	-0.1	NA	NA	NA	NA	1.6
-5.6	2.7	0.5	-55.3	-4.4	10.0	-12.7	1.3
-5.6	2.5	-0.6	267.8	-4.4	10.0	63.8	1.7
-5.4	2.2	0.2	564.1	-4.5	3.9	53.0	1.8
NA	NA	-0.4	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.7	-0.8	-49.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	3.0	0.2	15.8	NA	NA	NA	0.4
-4.5	8.0	1.9	-48.3	NA	NA	NA	1.1
-4.1	4.4	0.7	-53.6	NA	NA	NA	1.0
-4.1	4.9	0.2	141.3	NA	NA	NA	1.0
-4.1	5.5	-0.2	174.9	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	2.1
NA	NA	-1.9	NA	NA	NA	NA	0.9
-4.7	2.1	-0.8	43.0	-4.1	10.0	1.8	1.1
-5.4	4.3	1.0	15.4	NA	NA	NA	1.3
NA	NA	-1.6	NA	NA	NA	NA	1.2
-4.2	3.0	-0.8	-48.3	NA	NA	NA	1.0
-4.1	4.3	-0.3	87.3	NA	NA	NA	1.0
-4.1	3.8	0.0	145.4	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	2.1
NA	NA	0.5	NA	NA	NA	NA	0.9
-4.5	4.1	1.8	53.6	NA	NA	NA	1.8
-4.7	1.9	-1.0	45.3	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.2
NA	NA	-1.9	NA	NA	NA	NA	0.9
-4.6	3.2	-0.4	38.7	NA	NA	NA	1.0
-4.7	3.8	0.5	32.8	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.5
-5.3	3.2	-0.8	-18.6	NA	NA	NA	1.0
-5.3	1.7	0.5	79.3	NA	NA	NA	2.1
-5.3	1.9	0.5	79.3	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	1.4
-5.2	2.3	-1.5	-21.9	NA	NA	NA	1.0
-5.1	1.9	0.3	111.2	-4.6	2.6	75.5	1.8
-5.2	2.2	0.9	82.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
-5.4	2.3	-1.2	-20.3	NA	NA	NA	1.1
-5.4	1.8	1.2	75.4	NA	NA	NA	2.0
-5.3	1.8	1.4	82.8	-3.9	10.0	27.1	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.3
-5.6	1.2	1.7	-20.7	-4.3	8.9	18.2	0.8
-5.5	1.2	0.9	76.1	NA	NA	NA	1.5
-5.5	1.5	0.6	75.1	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	1.4
-4.8	2.6	-1.1	-24.1	-4.0	10.0	-6.2	0.7
-4.7	2.1	-0.4	127.3	-4.3	10.0	21.5	1.0
-4.6	2.1	0.0	128.6	-4.2	10.0	24.4	1.0
NA	NA	2.9	NA	NA	NA	NA	1.9
-4.8	0.8	2.4	-24.1	NA	NA	NA	1.0
-4.8	0.9	-1.5	80.3	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.1	-1.0	83.8	NA	NA	NA	1.1
NA	NA	-9.6	NA	NA	NA	NA	1.9
-5.0	0.9	-0.1	-23.6	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.5
-4.5	0.9	1.3	51.1	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.0
-4.6	2.9	-2.0	-26.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	0.9	0.1	15.0	NA	NA	NA	0.4
NA	NA	0.5	NA	NA	NA	NA	1.0
-4.6	0.8	-0.8	-25.4	NA	NA	NA	1.0
-5.4	8.0	1.5	18.6	NA	NA	NA	1.6
-5.1	1.8	0.9	37.6	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.1
-4.5	1.5	-2.3	-29.8	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.0
-4.5	0.7	0.4	17.4	NA	NA	NA	0.4
NA	NA	-0.3	NA	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.4
-4.4	4.2	5.1	62.7	NA	NA	NA	1.8
-4.4	6.8	2.7	50.8	NA	NA	NA	1.3
NA	NA	-2.0	NA	NA	NA	NA	1.6
-4.4	1.8	0.5	-108.1	NA	NA	NA	1.0
-5.1	1.9	0.4	53.1	-4.5	5.4	-30.9	1.0
-4.4	1.3	0.2	114.4	NA	NA	NA	1.3
-4.5	3.8	0.5	-98.9	NA	NA	NA	1.0
-4.1	5.5	2.7	-81.7	NA	NA	NA	1.0
-4.9	2.8	1.2	60.6	-4.3	10.0	-106.0	1.9
-4.7	3.8	-1.2	27.1	-4.3	10.0	-12.6	1.1
-4.1	8.0	2.4	-114.8	NA	NA	NA	1.5
-4.2	7.9	0.7	-88.6	NA	NA	NA	1.1
-4.3	8.0	0.9	-20.7	NA	NA	NA	1.0
-4.2	8.0	-0.8	173.9	NA	NA	NA	1.0
-4.4	8.0	0.7	-88.2	NA	NA	NA	2.0
-4.2	7.9	1.8	-110.6	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.1	5.1	0.1	216.3	NA	NA	NA	0.4
-4.4	2.9	0.3	-117.1	NA	NA	NA	1.0
-4.2	8.0	-0.2	-101.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	8.0	0.6	179.7	NA	NA	NA	0.5
-4.2	8.0	7.7	-123.8	NA	NA	NA	1.6
-4.2	6.4	0.6	-106.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	5.9	0.1	33.9	NA	NA	NA	0.3
-4.2	4.5	1.4	-146.1	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.1	8.0	0.0	-113.4	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.1	8.0	0.4	205.6	NA	NA	NA	1.0
-4.2	8.0	-1.8	-99.6	NA	NA	NA	1.6
-4.6	3.9	0.9	-71.7	NA	NA	NA	1.0
-5.0	2.6	1.5	43.6	-4.5	9.4	4.8	1.0
-5.0	3.0	0.5	39.1	-4.4	10.0	-0.5	1.0
-4.5	6.8	0.3	-102.5	NA	NA	NA	1.4
NA	NA	1.8	NA	NA	NA	NA	1.3
-4.5	2.4	0.6	85.2	NA	NA	NA	1.6
NA	NA	-0.4	NA	NA	NA	NA	0.9
NA	NA	-1.6	NA	NA	NA	NA	2.1
-4.5	6.9	0.4	-96.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.4
-4.5	7.9	-0.7	135.1	NA	NA	NA	0.5
-4.8	4.3	-1.9	-80.7	NA	NA	NA	1.4
NA	NA	-0.8	NA	NA	NA	NA	0.8
-4.3	2.6	-3.3	82.4	NA	NA	NA	1.7
-4.3	2.1	-0.6	61.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.6	1.9	1.3	65.2	NA	NA	NA	1.7
-4.5	1.9	0.2	71.8	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.3
-5.2	1.3	-2.9	-32.9	NA	NA	NA	1.0
-5.7	1.8	-0.7	68.7	NA	NA	NA	1.7
-5.4	1.4	2.3	115.5	NA	NA	NA	1.6
NA	NA	-0.7	NA	NA	NA	NA	1.1
-4.8	0.5	0.2	-36.1	NA	NA	NA	1.0
-5.5	2.4	0.1	39.3	NA	NA	NA	2.0
-5.0	0.8	-0.2	77.2	-4.1	9.8	29.4	1.0
NA	NA	1.2	NA	NA	NA	NA	1.3
-5.2	0.7	0.6	-27.7	NA	NA	NA	1.0
-6.1	3.4	-1.4	38.1	-4.0	10.0	-126.1	1.6
-5.7	1.1	-0.6	52.2	-4.0	10.0	5.9	1.0
-4.1	6.7	0.7	-103.2	NA	NA	NA	1.0
-4.2	4.5	1.5	-58.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.8	-0.2	32.6	NA	NA	NA	0.5
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.2	4.4	0.7	-45.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	3.4	-0.2	19.2	NA	NA	NA	0.4
NA	NA	0.1	NA	NA	NA	NA	0.7
NA	NA	-0.1	NA	NA	NA	NA	0.4
-4.7	8.0	4.0	35.1	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.8	1.1	26.6	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.8
-5.0	1.5	0.5	-27.3	NA	NA	NA	1.0
-4.8	2.2	0.0	66.5	NA	NA	NA	2.0
-4.7	1.6	-0.3	101.5	-3.9	3.2	71.1	1.0
NA	NA	0.8	NA	NA	NA	NA	1.6
-5.0	2.3	0.2	-28.3	NA	NA	NA	1.1
-5.0	1.8	-1.2	72.2	NA	NA	NA	2.0
-4.9	1.8	-0.7	94.5	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.9
-4.9	1.3	1.2	-31.1	NA	NA	NA	1.2
-4.8	1.2	-1.3	93.4	-4.1	5.6	54.7	1.8
-4.7	1.3	-0.9	112.6	-3.9	10.0	45.2	1.2
NA	NA	0.7	NA	NA	NA	NA	1.7
-4.3	2.7	0.2	-35.5	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.2	4.2	-0.6	22.9	NA	NA	NA	1.0
NA	NA	2.7	NA	NA	NA	NA	2.1
NA	NA	1.4	NA	NA	NA	NA	1.3
-4.2	2.2	-0.4	112.4	NA	NA	NA	1.9
-4.3	3.5	-0.6	64.7	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.5
-4.4	8.0	-4.0	-57.6	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.3
-4.4	8.0	2.4	49.5	NA	NA	NA	1.0
-4.6	6.0	-1.0	-66.0	NA	NA	NA	1.3
-4.5	1.6	-2.3	-94.8	NA	NA	NA	1.2
-5.0	2.5	-0.8	54.6	-4.5	10.0	-14.1	1.5
-4.8	1.9	0.9	90.9	-4.1	10.0	25.6	1.4
-4.3	2.5	-1.1	-113.5	NA	NA	NA	1.5
-4.2	2.3	1.6	-89.5	NA	NA	NA	1.1
-4.5	5.1	2.9	47.8	-4.1	9.1	-93.2	1.3
-4.5	6.9	0.9	65.1	-4.2	10.0	13.9	1.0
-4.3	8.0	0.0	-99.5	NA	NA	NA	1.5
-4.3	3.7	0.3	-72.9	NA	NA	NA	1.0
-4.2	7.2	0.4	-15.1	NA	NA	NA	1.0
-4.2	4.1	0.7	69.5	NA	NA	NA	1.0
-4.2	4.4	0.0	-96.5	NA	NA	NA	1.2
-4.2	3.2	-2.3	-110.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.8	0.3	166.4	NA	NA	NA	0.4
-4.5	5.4	1.2	-103.1	NA	NA	NA	1.0
-4.4	8.0	0.6	-31.4	NA	NA	NA	1.5
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	8.0	0.1	36.3	NA	NA	NA	0.9
NA	NA	3.0	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	-0.2	-79.2	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	4.4	0.0	28.1	NA	NA	NA	0.3
-4.2	3.3	-0.8	-129.4	NA	NA	NA	1.0
-4.0	4.2	0.6	-90.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.2
-4.1	8.0	0.0	106.0	NA	NA	NA	0.5
-4.1	4.2	1.7	-129.5	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.9
-5.3	3.1	-1.1	26.4	NA	NA	NA	1.5
-4.8	2.2	-1.1	25.5	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.5
-5.0	1.6	-0.7	157.4	NA	NA	NA	1.0
-5.1	1.7	0.0	79.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	0.9
-4.6	2.4	-1.2	67.6	NA	NA	NA	1.0
-4.6	3.0	-0.6	67.2	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.5	2.2	1.0	-91.8	NA	NA	NA	1.0
-4.2	8.0	-0.6	-37.5	NA	NA	NA	1.0
-4.6	2.0	-0.9	63.8	NA	NA	NA	1.0
-4.3	2.3	1.5	-123.3	NA	NA	NA	1.5
-4.3	7.9	0.2	-68.7	NA	NA	NA	1.2
-4.4	2.9	-0.4	-15.0	NA	NA	NA	1.0
-4.2	8.0	-0.3	125.0	NA	NA	NA	1.0
-4.3	2.0	1.9	-115.0	NA	NA	NA	1.8
-4.3	2.8	0.8	-110.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	6.4	0.0	147.4	NA	NA	NA	0.4
-4.4	5.2	-0.3	-97.7	NA	NA	NA	1.1
-4.2	4.3	-0.2	-97.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	7.9	0.0	23.9	NA	NA	NA	0.3
-4.2	6.3	0.5	-130.2	NA	NA	NA	1.0
-4.1	5.3	1.7	-79.8	NA	NA	NA	1.0
-4.8	1.5	0.7	10.4	-4.0	10.0	-34.3	1.0
-4.2	4.2	-0.1	43.0	NA	NA	NA	0.5
-4.1	7.2	0.5	-106.0	NA	NA	NA	2.0
-4.7	4.0	-0.2	-65.8	NA	NA	NA	1.0
-5.0	3.3	-0.8	27.3	-4.6	10.0	-15.8	1.3
-4.9	4.6	-0.3	42.9	NA	NA	NA	1.1
-4.5	3.0	-0.2	-81.1	NA	NA	NA	1.3
-4.4	5.9	0.2	-64.4	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.0	-1.0	49.1	NA	NA	NA	0.5
-4.5	3.0	-1.0	-115.0	NA	NA	NA	1.3
-4.7	2.8	0.6	-45.1	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.6	4.9	0.0	52.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.9	1.3	-1.4	52.4	NA	NA	NA	1.4
-4.7	1.1	-0.7	68.8	NA	NA	NA	1.0
NA	NA	3.4	NA	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.5	2.5	3.3	81.2	NA	NA	NA	1.7
-4.4	1.1	0.3	46.4	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.2
-4.3	0.5	1.7	-11.3	NA	NA	NA	1.0
-4.4	1.4	-0.4	72.3	NA	NA	NA	1.5
-4.4	1.7	-0.4	49.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.5
-4.2	2.0	-0.7	-38.8	NA	NA	NA	1.0
-4.7	0.7	1.3	40.3	NA	NA	NA	1.6
-4.1	1.5	1.8	92.0	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.4	4.8	-3.1	73.7	NA	NA	NA	1.5
-4.6	7.4	-1.8	35.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.4
-5.5	8.0	0.6	-40.3	NA	NA	NA	0.6
-5.4	2.5	-0.9	128.9	-5.0	10.0	-28.1	1.1
-5.4	3.2	-0.8	156.1	-5.0	10.0	-7.3	1.0
-4.8	3.8	-0.2	68.7	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	1.4
-5.0	1.1	-0.9	76.6	NA	NA	NA	2.0
-5.0	1.1	-0.7	39.1	NA	NA	NA	1.4
-5.4	3.6	-1.5	-53.4	NA	NA	NA	2.1
-5.6	1.6	-1.5	-45.2	NA	NA	NA	1.3
-6.4	2.9	-0.8	45.5	-5.9	10.0	7.5	1.0
-5.5	0.5	-1.8	48.3	NA	NA	NA	1.5
-6.0	3.8	-2.3	-63.9	NA	NA	NA	2.3
-4.9	3.9	-1.5	-60.4	-4.2	3.4	-30.3	0.9
-6.0	8.0	1.1	45.7	-5.2	10.0	-28.3	1.2
-5.8	8.0	0.0	115.2	-5.4	5.7	-0.4	1.2
-5.1	4.4	0.7	46.9	NA	NA	NA	1.5
NA	NA	0.3	NA	NA	NA	NA	1.3
-5.6	3.6	1.8	122.3	-4.8	1.3	33.4	2.3
-5.6	3.4	0.6	57.3	-4.5	2.3	3.3	1.5
-5.5	7.3	-1.0	-60.3	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-6.1	1.6	-2.0	-29.7	NA	NA	NA	1.5
-6.6	5.2	-0.7	28.9	-6.0	9.8	6.2	1.0
-6.5	8.0	0.7	28.3	NA	NA	NA	1.1
-6.1	8.0	0.7	-70.5	-5.2	8.3	8.5	2.3
-4.8	2.3	1.4	-25.0	NA	NA	NA	0.9
-4.7	2.6	-2.4	85.5	-4.3	10.0	11.5	1.3
-4.7	3.3	-2.5	103.4	-4.2	10.0	18.1	1.3
NA	NA	0.2	NA	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	8.0	-0.1	16.7	NA	NA	NA	0.9
-4.2	4.5	3.4	-92.5	NA	NA	NA	1.9
-4.9	2.1	-1.8	-23.5	NA	NA	NA	1.0
-4.9	1.1	0.8	37.4	-4.2	10.0	-17.9	1.0
-4.6	1.2	1.7	56.5	-4.3	10.0	3.9	1.3
NA	NA	0.3	NA	NA	NA	NA	0.8
-4.3	1.5	0.3	-73.8	NA	NA	NA	1.0
-5.0	1.9	-1.7	110.7	-4.5	9.9	-137.3	1.8
-4.9	3.2	-0.9	75.4	-4.6	10.0	-38.0	1.3
-4.5	2.4	2.6	-110.2	NA	NA	NA	1.4
-4.3	2.2	-0.7	-55.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	2.2	0.2	15.8	NA	NA	NA	0.4
-5.0	5.5	1.9	-59.5	-4.6	8.5	-28.9	1.4
-4.1	8.0	-2.5	-48.4	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.2
-4.2	4.0	0.4	37.6	NA	NA	NA	0.9
-4.8	5.3	0.2	-86.8	NA	NA	NA	1.4
-4.7	5.3	-1.7	-24.9	NA	NA	NA	1.0
-4.6	3.4	-0.5	50.2	-4.1	9.8	3.9	1.0
-4.7	7.4	0.4	46.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.9
NA	NA	-1.4	NA	NA	NA	NA	0.6
-4.5	3.7	0.5	131.0	-4.3	10.0	22.1	1.9
-4.5	6.7	1.6	60.9	-4.3	10.0	7.3	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.2
-4.5	8.0	-1.5	-33.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	2.9	0.3	12.4	NA	NA	NA	0.4
-5.1	8.0	-0.6	-38.0	-4.5	2.7	-4.4	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.8
-4.5	4.6	-4.2	16.8	NA	NA	NA	1.6
-4.3	1.6	-0.8	33.5	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.2	1.9	-4.2	75.7	NA	NA	NA	2.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	2.8	-0.9	50.1	NA	NA	NA	1.2
NA	NA	0.5	NA	NA	NA	NA	1.5
NA	NA	-1.1	NA	NA	NA	NA	1.3
-4.8	0.9	-1.8	108.3	NA	NA	NA	2.0
-4.8	1.1	-0.5	75.6	NA	NA	NA	1.4
NA	NA	-3.2	NA	NA	NA	NA	2.0
NA	NA	-0.8	NA	NA	NA	NA	1.1
-4.7	1.0	1.5	110.5	NA	NA	NA	1.8
-4.6	0.9	0.7	84.2	NA	NA	NA	1.1
NA	NA	-1.5	NA	NA	NA	NA	2.0
NA	NA	-2.4	NA	NA	NA	NA	1.3
-5.2	1.1	-2.4	73.6	NA	NA	NA	2.0
-5.2	1.1	-1.3	54.7	NA	NA	NA	1.4
-4.6	0.7	1.0	-45.2	NA	NA	NA	1.7
-5.2	2.2	-1.5	-31.7	-4.3	3.6	3.2	1.4
-6.0	2.1	-3.2	76.1	NA	NA	NA	1.7
-5.4	1.0	-2.7	101.1	-4.0	9.9	39.5	1.4
NA	NA	4.0	NA	NA	NA	NA	2.0
NA	NA	-1.6	NA	NA	NA	NA	1.3
-5.3	2.1	-0.3	20.7	NA	NA	NA	1.0
-5.3	2.1	-0.5	19.7	NA	NA	NA	0.9
NA	NA	-0.6	NA	NA	NA	NA	1.7
-5.2	3.0	1.3	-32.3	NA	NA	NA	1.0
-5.2	2.1	-0.2	122.8	-4.8	10.0	86.7	1.3
-5.1	1.9	-0.7	112.8	NA	NA	NA	1.3
NA	NA	1.9	NA	NA	NA	NA	1.2
-4.8	8.0	-1.2	-37.4	NA	NA	NA	1.3
-5.1	7.8	1.1	38.0	-4.7	3.8	-2.9	1.1
-4.9	3.3	1.8	49.6	-4.4	9.7	1.4	1.1
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.9	1.8	-1.7	-29.7	NA	NA	NA	1.0
-5.2	2.6	0.9	32.5	-4.6	10.0	-42.6	1.4
-5.0	1.6	0.9	67.3	-4.4	9.8	23.0	1.0
-4.7	8.0	-2.4	-55.1	NA	NA	NA	1.5
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.6	8.0	-2.6	51.1	-4.3	7.7	6.2	1.2
-4.6	1.7	-0.8	37.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.8
-5.8	8.0	-1.9	-11.3	NA	NA	NA	1.5
-5.8	1.3	-2.0	125.9	NA	NA	NA	2.3
-6.1	2.0	-0.4	79.7	NA	NA	NA	1.6
NA	NA	-1.6	NA	NA	NA	NA	2.0
NA	NA	0.9	NA	NA	NA	NA	1.3
-5.3	1.6	-1.8	23.9	NA	NA	NA	1.0
-5.2	2.6	-0.5	17.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-6.3	2.2	0.0	-15.4	-4.7	9.8	0.7	0.6
-5.6	0.6	-2.8	169.1	NA	NA	NA	2.1
-6.2	1.6	0.6	85.3	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	0.9
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.9	1.4	-1.2	52.8	NA	NA	NA	1.0
-5.2	1.9	-1.5	19.1	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	2.1
-4.7	8.0	-1.4	-9.0	NA	NA	NA	1.2
-4.5	1.7	-0.8	99.7	NA	NA	NA	1.0
-4.7	2.4	0.8	65.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.6	6.9	-0.4	-14.7	NA	NA	NA	1.0
-4.8	2.3	-0.6	101.6	NA	NA	NA	1.0
-4.6	1.8	-0.3	113.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.6	3.6	1.1	-71.5	NA	NA	NA	1.0
-5.2	3.1	-0.3	25.4	-4.5	10.0	-11.2	1.2
-5.1	2.7	-1.1	22.0	NA	NA	NA	1.0
-4.5	3.4	0.0	-90.6	NA	NA	NA	1.0
-4.5	7.0	0.8	-67.2	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	0.7
-4.5	7.9	0.1	31.1	NA	NA	NA	1.0
-4.5	3.3	0.5	-121.3	NA	NA	NA	1.0
-5.6	3.7	-1.7	-17.4	NA	NA	NA	1.0
-5.3	1.5	-1.0	82.5	NA	NA	NA	1.7
-5.3	1.9	1.3	73.1	NA	NA	NA	1.2
NA	NA	-2.1	NA	NA	NA	NA	1.4
-5.4	1.0	0.0	-6.1	NA	NA	NA	1.0
-5.6	2.8	0.5	22.0	NA	NA	NA	1.0
-5.6	2.6	0.3	17.3	NA	NA	NA	0.9
NA	NA	-3.3	NA	NA	NA	NA	1.7
-4.8	4.1	0.9	-11.8	NA	NA	NA	0.6
-5.0	2.6	-0.4	82.4	-4.4	5.1	54.4	1.2
-4.9	2.7	-1.2	80.6	-4.3	10.0	20.7	1.2
NA	NA	1.7	NA	NA	NA	NA	1.4
-5.5	1.1	-0.9	-18.5	NA	NA	NA	1.0
-4.8	6.0	-1.7	41.4	NA	NA	NA	2.0
-4.6	0.6	-3.5	82.5	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.6	3.2	-0.2	-95.5	NA	NA	NA	1.0
-5.4	6.0	0.2	22.1	-4.7	10.0	-25.8	1.0
-4.8	1.5	0.1	45.4	NA	NA	NA	1.0
-4.5	3.1	-1.1	-102.1	NA	NA	NA	1.0
-4.4	5.6	2.3	-57.9	NA	NA	NA	1.0
-4.9	1.5	1.7	27.3	-4.4	10.0	-97.8	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.5	NA	NA	NA	NA	0.4
-4.4	3.2	-0.6	-125.1	NA	NA	NA	1.5
-4.6	8.0	1.2	-28.8	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.2
-4.4	4.5	-0.9	28.6	NA	NA	NA	0.5
-4.5	3.2	1.0	-96.4	NA	NA	NA	1.2
-4.3	1.8	-0.9	-109.4	NA	NA	NA	1.1
-4.5	8.0	3.4	-36.7	NA	NA	NA	1.6
-4.2	6.4	2.8	71.9	NA	NA	NA	1.5
-4.3	2.1	-0.6	-126.7	NA	NA	NA	1.0
-4.2	8.0	1.5	-99.2	NA	NA	NA	1.4
-4.3	4.3	-0.7	-39.9	NA	NA	NA	1.0
-4.2	8.0	-1.6	99.6	NA	NA	NA	0.8
-4.8	3.4	-0.9	-96.1	NA	NA	NA	1.8
-4.3	3.7	0.3	-106.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.9	0.0	127.4	NA	NA	NA	0.4
-4.5	1.2	1.7	-133.3	NA	NA	NA	1.1
-4.2	6.5	-0.2	-104.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	7.4	-0.2	141.8	NA	NA	NA	0.9
-4.3	3.1	2.1	-119.1	NA	NA	NA	2.0
-4.4	4.0	-1.0	-80.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	4.2	0.0	17.9	NA	NA	NA	0.3
-4.4	1.4	-1.7	-132.7	NA	NA	NA	1.6
-4.2	2.6	0.3	-106.6	NA	NA	NA	1.1
-4.2	2.2	-1.4	-35.4	NA	NA	NA	1.0
-4.1	5.1	-0.2	167.6	NA	NA	NA	1.0
-4.2	2.6	-1.5	-126.5	NA	NA	NA	2.0
-5.0	8.0	0.6	105.2	NA	NA	NA	2.0
-6.4	8.0	-1.5	90.7	-5.7	2.1	-75.0	2.5
-6.4	8.0	-1.0	81.7	-5.8	1.9	-44.1	1.7
-5.5	2.9	0.4	-103.5	NA	NA	NA	1.2
-4.7	0.7	-1.1	34.8	NA	NA	NA	1.2
-5.1	7.7	0.2	22.4	-4.1	1.0	-17.6	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.6
-4.4	1.4	1.2	-43.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	1.8	-0.1	12.4	NA	NA	NA	0.4
-6.1	1.2	-0.3	34.4	-4.4	9.2	0.7	1.3
-4.7	1.5	-1.0	-75.9	NA	NA	NA	1.0
-4.4	0.8	-0.3	-28.7	NA	NA	NA	1.0
-4.5	3.4	0.2	50.1	NA	NA	NA	1.0
-4.7	2.6	4.5	-88.2	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-5.1	2.2	0.4	109.5	NA	NA	NA	1.8
-6.4	8.0	0.4	65.4	-5.6	2.1	-144.6	2.0
-6.4	8.0	-0.4	57.8	-5.8	2.9	-60.2	1.5
-5.4	2.0	0.7	-94.7	NA	NA	NA	1.5
-4.2	0.9	-0.2	47.0	NA	NA	NA	1.0
-5.2	8.0	-1.0	18.2	-3.7	0.5	-26.0	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.9
NA	NA	-3.6	NA	NA	NA	NA	2.2
-5.0	1.2	1.9	-29.5	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	0.6
-4.6	1.3	-1.3	24.0	NA	NA	NA	1.0
-4.5	3.1	1.6	-64.8	NA	NA	NA	1.6
NA	NA	1.5	NA	NA	NA	NA	1.3
-4.3	2.3	-1.0	59.2	NA	NA	NA	1.0
-4.3	1.6	-1.2	25.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.2
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.9	2.7	0.0	34.5	NA	NA	NA	1.1
-4.7	2.1	0.4	31.6	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.3
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.3	2.7	-1.6	49.3	NA	NA	NA	1.0
-4.2	5.3	-0.5	53.6	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.8	3.6	1.9	-42.6	NA	NA	NA	1.0
-4.8	8.0	0.5	91.2	-4.4	2.6	29.5	1.3
-4.7	4.4	-0.7	113.5	-4.2	4.6	65.3	1.0
NA	NA	0.4	NA	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.5	5.6	1.9	74.3	-4.1	10.0	36.2	1.5
-4.5	3.5	-0.3	60.0	-4.0	9.6	19.8	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.4
-4.5	5.2	1.3	-27.8	NA	NA	NA	1.0
-4.6	2.1	-1.3	61.6	NA	NA	NA	1.0
-4.7	3.5	-0.8	50.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
-4.5	4.0	-1.1	-62.3	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	0.6
-4.4	3.6	1.6	51.4	NA	NA	NA	1.0
-4.5	2.8	4.0	-106.8	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	0.5
-4.4	1.3	0.5	57.1	NA	NA	NA	1.0
-4.4	1.6	0.0	54.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.8
-4.6	6.4	0.8	-7.5	NA	NA	NA	1.2
-4.2	4.1	-0.2	48.8	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.3	-1.0	43.1	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.9
-4.6	8.0	1.4	-26.8	NA	NA	NA	1.1
-4.2	8.0	-0.9	21.8	NA	NA	NA	0.9
-4.2	6.3	-1.5	55.6	NA	NA	NA	1.0
-4.7	8.0	1.1	-52.6	NA	NA	NA	2.0
-4.8	7.6	-0.9	-74.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	2.5	0.0	100.6	NA	NA	NA	0.4
-4.8	4.4	-0.4	-94.1	NA	NA	NA	1.4
-4.5	8.0	0.3	-48.7	NA	NA	NA	1.6
-4.2	8.0	-0.1	32.1	NA	NA	NA	0.5
-4.3	4.0	0.0	69.6	NA	NA	NA	0.9
-4.7	7.7	4.0	-71.0	NA	NA	NA	2.1
-4.6	2.7	-0.3	-56.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	2.9	-0.1	16.3	NA	NA	NA	0.3
NA	NA	0.5	NA	NA	NA	NA	1.6
-4.2	1.1	1.4	-83.1	NA	NA	NA	1.1
-4.1	8.0	-0.2	46.0	NA	NA	NA	0.9
-4.1	8.0	-1.2	154.2	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.9
-4.5	2.1	-2.4	-38.3	NA	NA	NA	1.0
-4.7	8.0	-2.4	36.0	NA	NA	NA	1.3
-4.7	3.3	-1.9	63.1	-4.3	10.0	8.2	1.0
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.7	2.7	-3.6	-56.6	NA	NA	NA	1.0
-4.9	2.6	2.4	61.1	NA	NA	NA	1.5
-4.8	3.5	3.5	118.8	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	1.3
-4.7	1.1	-1.8	-94.9	NA	NA	NA	1.3
-5.5	0.6	-3.2	128.6	-4.5	10.0	25.7	1.6
-5.1	0.6	-2.6	180.5	NA	NA	NA	1.7
-4.5	3.6	-1.1	-107.1	NA	NA	NA	1.0
-4.7	1.1	2.2	81.0	NA	NA	NA	1.1
-6.8	3.4	1.2	-13.1	-4.5	2.2	202.9	1.6
NA	NA	-1.9	NA	NA	NA	NA	1.7
NA	NA	-0.9	NA	NA	NA	NA	1.5
-5.2	3.8	-0.3	11.8	NA	NA	NA	1.1
-4.8	1.5	1.2	82.7	NA	NA	NA	1.0
-4.8	1.5	0.8	36.0	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.2
NA	NA	1.2	NA	NA	NA	NA	0.6
-4.6	1.9	0.4	41.5	NA	NA	NA	0.5
-4.7	2.1	-0.1	20.4	NA	NA	NA	0.4
-5.2	1.4	1.7	24.8	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.8	1.2	24.4	NA	NA	NA	1.0
-4.6	1.8	1.0	55.7	NA	NA	NA	1.0
-4.5	1.7	0.5	26.1	NA	NA	NA	0.9
NA	NA	1.8	NA	NA	NA	NA	1.8
-4.7	3.2	0.3	25.4	NA	NA	NA	1.0
-4.6	1.4	-0.1	56.7	NA	NA	NA	1.0
-4.6	1.2	-0.5	18.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.8
-4.7	4.2	-0.7	-35.9	NA	NA	NA	1.0
-4.7	4.7	0.5	101.8	NA	NA	NA	1.2
-4.4	2.2	0.4	134.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	1.0
-8.7	8.0	-11.6	124.0	-7.9	0.8	0.1	1.7
-8.7	8.0	1.1	148.6	-7.9	1.1	-0.7	1.6
NA	NA	-2.9	NA	NA	NA	NA	1.4
-5.5	8.0	2.1	-28.4	NA	NA	NA	1.0
-5.5	8.0	1.1	104.0	NA	NA	NA	1.2
-5.5	8.0	-0.5	112.7	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	0.9
-4.2	3.8	1.3	-72.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	5.4	-0.3	31.5	NA	NA	NA	0.4
-4.3	3.7	-0.6	-73.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.7	5.7	1.1	57.9	NA	NA	NA	1.1
-4.7	3.0	-0.6	50.4	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	2.0
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.7	2.0	0.9	48.4	NA	NA	NA	1.0
-4.6	2.2	0.8	46.9	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.6	8.0	1.3	-72.4	NA	NA	NA	1.1
-4.6	3.8	0.6	-20.1	NA	NA	NA	1.0
-4.4	8.0	0.5	73.8	NA	NA	NA	1.0
-4.5	3.7	1.7	-105.7	NA	NA	NA	1.0
-4.2	2.3	-0.2	-64.0	NA	NA	NA	1.0
-4.9	2.2	-1.1	54.3	-4.1	9.4	-106.4	1.3
-4.5	1.5	-0.5	95.0	-4.2	9.5	1.1	1.0
-4.3	8.0	-0.6	-92.0	NA	NA	NA	1.0
-4.7	8.0	1.2	-70.3	NA	NA	NA	1.1
-4.7	1.9	-0.4	-19.7	NA	NA	NA	1.0
-4.6	7.3	-0.2	56.0	NA	NA	NA	1.0
-4.6	7.5	-3.9	-86.6	NA	NA	NA	2.1
-4.1	4.8	0.5	-56.7	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.4

ga	gw	zr	tp	la	lw	bt	er
-4.1	5.3	-0.2	22.1	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.4
-4.5	1.8	-4.2	19.3	NA	NA	NA	1.3
-6.7	0.5	-2.9	145.7	-6.5	2.2	109.2	2.6
-7.9	1.6	1.6	47.3	-4.2	1.2	10.6	2.1
-8.2	3.7	-3.7	-55.7	NA	NA	NA	2.2
NA	NA	0.9	NA	NA	NA	NA	1.0
-4.2	0.8	0.1	43.5	NA	NA	NA	1.0
-4.2	3.3	1.2	73.9	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.7
-5.0	8.0	-1.7	3.1	NA	NA	NA	1.0
-4.4	1.7	-0.2	39.9	NA	NA	NA	0.5
-4.3	1.8	0.0	24.9	NA	NA	NA	0.4
NA	NA	0.0	NA	NA	NA	NA	0.7
NA	NA	-0.2	NA	NA	NA	NA	1.2
-4.2	0.9	-0.3	70.8	NA	NA	NA	1.0
-4.4	0.8	0.0	44.6	NA	NA	NA	0.9
NA	NA	3.7	NA	NA	NA	NA	2.0
-4.3	1.8	0.6	20.0	NA	NA	NA	1.0
-4.2	3.4	0.9	72.2	NA	NA	NA	0.5
-4.2	3.3	0.3	25.4	NA	NA	NA	0.3
NA	NA	0.9	NA	NA	NA	NA	1.3
-7.3	1.4	0.2	-14.7	-4.1	1.3	7.6	1.0
-6.9	1.3	-0.5	26.9	NA	NA	NA	1.3
-7.2	2.5	0.3	25.4	NA	NA	NA	1.0
-7.3	2.4	0.5	-50.6	NA	NA	NA	1.4
-4.6	1.8	0.0	-56.3	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.5
-4.5	2.7	0.1	91.8	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.8
-5.8	1.8	2.0	-85.4	NA	NA	NA	1.3
-6.8	4.8	1.0	25.0	-6.2	2.6	-30.7	1.0
-5.4	8.0	0.5	47.6	NA	NA	NA	1.5
-5.9	4.7	-0.1	-94.9	NA	NA	NA	1.1
-5.8	1.3	0.9	-64.4	NA	NA	NA	1.5
-6.7	1.0	0.8	87.9	-5.7	10.0	-133.4	2.9
-6.2	0.9	0.5	107.2	-5.6	10.0	-6.0	1.9
-5.8	3.5	-4.8	-96.6	NA	NA	NA	1.4
-6.6	1.1	1.0	34.6	-4.5	2.3	-55.9	1.5
-4.8	8.0	1.6	34.9	-4.4	3.1	-6.3	1.0
-6.2	1.7	0.1	-16.6	-4.5	1.7	72.6	0.5
-5.1	0.8	-3.9	-100.7	NA	NA	NA	2.4
-6.0	8.0	2.6	-78.9	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-6.0	8.0	-0.2	90.3	-3.7	0.9	86.3	0.4
-6.2	3.7	2.8	-100.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.3	0.9	1.4	-67.1	NA	NA	NA	1.0
-6.1	3.1	1.0	114.3	-5.9	9.9	23.0	1.0
-4.9	1.0	-0.1	127.0	-4.1	9.8	42.7	1.3
-4.7	8.0	-5.0	-95.8	NA	NA	NA	1.8
-5.2	4.1	1.2	-80.6	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.1	5.1	-0.1	24.7	NA	NA	NA	0.3
-5.4	0.8	-7.3	-111.9	NA	NA	NA	2.2
-5.2	1.2	-2.7	-76.1	-4.0	7.9	-47.7	1.2
-6.4	1.6	0.0	94.7	-5.8	9.9	-2.9	1.0
-5.1	0.6	-0.2	122.9	-4.0	9.8	73.7	1.8
-5.4	2.1	0.0	-101.0	NA	NA	NA	1.5
-5.5	3.6	-3.9	-72.3	NA	NA	NA	1.2
-6.3	3.5	-0.6	38.3	-5.7	4.3	-30.6	1.2
-5.4	0.8	-0.4	56.6	NA	NA	NA	1.7
-5.5	8.0	-0.7	-92.7	NA	NA	NA	1.4
-5.1	0.8	-2.5	-66.2	NA	NA	NA	1.3
-5.9	1.3	-2.4	66.7	-5.2	10.0	-109.2	2.1
-6.0	1.0	0.7	72.1	-5.3	10.0	-12.8	1.3
-5.5	4.1	0.7	-102.9	NA	NA	NA	1.3
-5.7	1.1	-3.0	33.2	-4.8	7.1	-44.5	1.5
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.8	8.0	-0.1	39.7	NA	NA	NA	1.0
-5.0	1.3	-1.9	-107.5	NA	NA	NA	2.0
-5.5	7.5	-3.0	-77.4	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-5.3	3.5	0.0	83.9	NA	NA	NA	0.4
-5.8	8.0	-1.1	-96.6	NA	NA	NA	1.0
-5.0	2.0	-2.1	-61.7	NA	NA	NA	1.7
-5.6	2.9	-0.8	71.0	-5.2	4.5	9.6	1.0
-5.5	2.4	0.0	78.8	NA	NA	NA	0.9
-4.8	8.0	-5.5	-97.0	NA	NA	NA	2.1
-5.2	5.6	-2.2	-75.5	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	0.0
-5.1	8.0	-0.2	26.7	NA	NA	NA	0.3
-5.6	1.0	0.8	-110.0	NA	NA	NA	1.9
-5.2	1.8	-0.9	-88.9	-4.3	10.0	-57.6	1.0
-6.0	1.8	1.1	101.0	-5.5	5.9	-11.0	1.0
-5.2	0.8	-0.8	129.0	NA	NA	NA	1.8
-5.2	2.8	-0.1	-104.1	NA	NA	NA	1.6
-5.2	0.7	2.9	-21.9	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.8
-5.1	0.5	-1.2	13.2	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	2.1
-4.7	1.5	-3.2	-39.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.6	1.6	0.7	18.5	NA	NA	NA	0.4
NA	NA	0.6	NA	NA	NA	NA	0.9
-4.9	3.7	0.1	-81.0	NA	NA	NA	1.0
-5.4	8.0	1.0	46.0	-4.8	3.4	-41.9	1.1
-5.1	3.3	0.5	78.7	NA	NA	NA	1.0
-4.8	5.0	0.6	-98.7	NA	NA	NA	1.1
-4.6	2.7	-0.6	-87.3	NA	NA	NA	1.0
-4.9	4.2	0.6	16.4	-4.5	10.0	-23.6	1.0
-4.5	2.3	0.5	119.8	NA	NA	NA	1.0
-4.8	5.6	1.2	-100.3	NA	NA	NA	1.8
-4.5	4.5	0.8	-112.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	5.6	-0.2	128.4	NA	NA	NA	0.4
-4.6	2.5	2.4	-134.5	NA	NA	NA	1.0
-4.7	3.5	-1.6	-84.6	NA	NA	NA	1.0
-5.7	3.5	0.0	25.0	-4.7	4.4	-1.5	1.0
-4.3	1.0	0.1	120.0	NA	NA	NA	0.9
-4.7	8.0	-0.4	-91.7	NA	NA	NA	1.8
-4.8	6.5	0.0	-81.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.8	3.6	0.2	30.0	NA	NA	NA	0.3
-4.9	4.1	-1.6	-99.9	NA	NA	NA	1.5
-4.9	8.0	-0.4	-80.3	NA	NA	NA	1.0
-4.9	8.0	0.1	-17.7	NA	NA	NA	1.0
-4.6	4.8	-0.2	195.7	NA	NA	NA	1.0
-4.9	8.0	0.8	-99.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.5
-5.5	0.8	-5.7	48.8	NA	NA	NA	2.5
-5.4	3.2	-0.3	39.6	NA	NA	NA	2.1
NA	NA	-1.0	NA	NA	NA	NA	1.3
-4.6	3.1	-1.3	-42.6	NA	NA	NA	1.0
-4.7	3.2	-1.0	56.5	-4.3	10.0	-2.5	1.0
-4.6	4.4	-0.8	76.2	-4.4	9.9	11.0	1.0
-4.4	8.0	-4.8	-49.3	NA	NA	NA	1.6
-4.8	1.1	-0.9	-76.7	NA	NA	NA	1.2
-5.6	1.1	-2.2	76.5	-4.7	8.7	-151.2	2.3
-5.5	1.1	-0.1	96.8	-4.7	9.5	-20.2	1.9
-5.1	1.6	-1.6	-97.8	NA	NA	NA	1.5
-4.2	3.5	-0.5	-93.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	4.5	-0.3	42.8	NA	NA	NA	0.4
-4.3	2.9	-2.9	-117.4	NA	NA	NA	1.2
-4.5	1.3	-0.9	-84.0	NA	NA	NA	1.4
-5.3	8.0	0.0	56.2	-4.9	9.5	-6.2	1.0
-4.2	3.3	0.2	74.0	NA	NA	NA	0.9
-5.1	8.0	-2.6	-69.1	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.2	0.9	-104.6	NA	NA	NA	1.0
-4.4	8.0	-0.2	-17.5	NA	NA	NA	1.0
-4.1	2.1	-0.3	178.1	NA	NA	NA	1.0
-4.5	3.2	-0.1	-92.2	NA	NA	NA	1.2
-4.9	3.4	-0.9	-33.2	NA	NA	NA	1.1
-4.5	8.0	1.6	-51.6	NA	NA	NA	1.3
-4.9	8.0	2.2	55.4	-4.7	10.0	4.8	1.6
-4.7	8.0	-0.6	-43.6	NA	NA	NA	1.0
-4.8	2.9	-2.7	-60.5	NA	NA	NA	1.0
-5.8	2.2	-6.3	17.4	-4.9	3.2	-162.8	1.7
-5.3	1.5	-2.0	57.0	-4.8	10.0	-27.5	1.0
-5.1	1.3	-0.5	-115.5	NA	NA	NA	1.6
-4.5	3.5	1.0	-80.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	5.4	-0.3	24.0	NA	NA	NA	0.4
-4.7	8.0	-1.7	-77.6	NA	NA	NA	1.1
-4.6	1.4	-0.5	-85.4	NA	NA	NA	1.0
-5.1	5.5	-0.2	52.0	-4.8	8.5	-5.7	1.0
-4.4	2.6	0.5	60.2	NA	NA	NA	0.9
-5.3	4.7	-2.7	-63.4	NA	NA	NA	1.6
-4.5	2.3	1.5	-84.9	NA	NA	NA	1.1
-4.4	7.5	0.9	-20.1	NA	NA	NA	1.0
-4.8	2.6	0.4	29.4	NA	NA	NA	1.0
-4.8	1.1	1.8	-111.5	NA	NA	NA	1.5
-5.0	2.8	-2.2	-34.5	NA	NA	NA	1.1
-5.1	8.0	2.7	57.2	-4.7	10.0	-37.1	1.6
-5.1	8.0	2.8	88.6	-4.7	10.0	-15.7	1.4
-4.8	8.0	0.4	-44.4	NA	NA	NA	1.5
-4.6	0.8	-1.1	-80.4	NA	NA	NA	1.4
-5.5	1.2	1.4	53.7	-4.8	10.0	-161.3	2.4
-5.1	0.7	0.1	62.8	-4.9	9.7	-17.7	1.9
-4.9	1.3	-3.1	-107.1	NA	NA	NA	1.9
-4.7	8.0	-0.7	-71.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.5	7.3	0.1	52.8	NA	NA	NA	0.4
-4.7	8.0	0.0	-90.9	NA	NA	NA	1.4
-4.8	1.8	-0.5	-67.7	NA	NA	NA	1.5
-5.5	7.7	0.0	19.6	-5.1	1.4	-8.5	1.0
-4.4	1.4	-0.1	68.6	NA	NA	NA	0.9
-5.4	4.9	-2.3	-65.0	NA	NA	NA	2.2
-4.6	1.1	0.3	-97.2	NA	NA	NA	1.3
-4.5	3.9	-0.3	-25.8	NA	NA	NA	1.0
-4.3	1.5	-0.1	215.1	NA	NA	NA	1.2
-4.7	3.2	2.0	-96.1	NA	NA	NA	1.8
-4.8	1.9	-1.2	-42.2	NA	NA	NA	1.0
-5.1	8.0	-3.0	64.7	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.9	2.1	-1.2	119.0	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.7
-4.9	1.5	-1.0	-38.9	NA	NA	NA	1.0
-5.2	1.6	1.3	41.1	NA	NA	NA	1.2
-5.0	2.2	2.0	61.8	NA	NA	NA	1.2
NA	NA	1.4	NA	NA	NA	NA	1.5
NA	NA	-1.4	NA	NA	NA	NA	0.6
-4.8	4.7	-0.5	40.6	NA	NA	NA	1.4
-4.6	2.3	0.7	56.1	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.7
-5.2	1.6	0.4	-30.2	NA	NA	NA	0.7
-4.9	1.2	-0.5	123.2	-4.1	10.0	33.5	1.4
-4.9	1.4	-0.8	135.7	-4.3	7.1	73.0	1.2
NA	NA	-2.6	NA	NA	NA	NA	1.6
-4.8	1.1	-0.6	-37.8	NA	NA	NA	1.0
-4.9	1.3	0.4	103.2	NA	NA	NA	1.2
-4.8	1.3	0.0	131.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-5.3	2.5	-1.0	-26.1	NA	NA	NA	1.0
-5.3	2.1	5.7	116.8	-4.6	1.4	61.9	1.5
-5.1	1.6	4.0	135.9	-4.4	1.8	76.7	1.5
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.5	5.6	2.4	-14.3	NA	NA	NA	1.1
-4.4	1.7	2.7	91.5	NA	NA	NA	1.5
-4.3	2.8	0.9	84.5	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.7
NA	NA	1.0	NA	NA	NA	NA	0.8
-4.7	1.5	0.1	27.5	NA	NA	NA	1.0
-4.6	1.7	-0.8	21.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.7
-5.6	2.6	-1.2	-17.7	NA	NA	NA	1.0
-5.4	1.3	5.2	83.1	NA	NA	NA	2.5
-5.4	1.0	1.3	83.9	-4.0	10.0	40.0	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
NA	NA	0.8	NA	NA	NA	NA	1.2
-4.3	1.4	0.5	51.8	NA	NA	NA	1.0
-4.5	3.3	0.4	22.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.7
NA	NA	-1.8	NA	NA	NA	NA	1.0
-4.3	3.1	-0.6	64.8	NA	NA	NA	1.0
-4.4	6.4	0.8	45.6	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	1.8
NA	NA	-0.8	NA	NA	NA	NA	1.0
-5.2	1.8	0.5	29.9	NA	NA	NA	1.1
-5.4	2.2	-0.3	22.7	NA	NA	NA	1.1
NA	NA	0.9	NA	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.7	NA	NA	NA	NA	0.7
-4.9	2.9	0.3	44.5	NA	NA	NA	1.0
-4.8	2.2	-0.4	40.1	NA	NA	NA	0.9
NA	NA	-12.7	NA	NA	NA	NA	2.1
-6.4	6.4	-1.0	-10.7	NA	NA	NA	1.0
-6.5	5.2	-0.7	91.4	-5.5	3.6	33.3	1.3
-6.5	4.6	0.0	81.1	-5.4	10.0	31.2	1.0
NA	NA	5.2	NA	NA	NA	NA	1.7
NA	NA	2.7	NA	NA	NA	NA	1.5
-4.8	8.0	-8.6	21.1	NA	NA	NA	2.3
-4.6	4.9	1.5	25.8	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.9
NA	NA	-1.5	NA	NA	NA	NA	0.7
-4.7	4.9	0.1	30.9	NA	NA	NA	1.0
-4.7	5.3	0.3	20.9	NA	NA	NA	0.5
NA	NA	2.0	NA	NA	NA	NA	1.2
-6.5	3.3	1.5	-10.4	-5.5	10.0	2.2	0.7
-6.5	2.2	0.7	75.5	-5.7	3.9	4.2	1.0
-6.3	1.5	-0.4	69.8	-5.7	4.2	4.5	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
-4.8	5.4	0.8	-83.4	NA	NA	NA	1.0
-5.0	3.9	1.1	52.4	-4.7	10.0	-30.3	1.0
-4.6	1.7	-0.4	126.4	NA	NA	NA	1.0
-4.8	8.0	0.4	-96.2	NA	NA	NA	1.0
-4.5	8.0	1.4	-69.0	NA	NA	NA	1.0
-5.5	1.5	0.8	37.3	-4.4	2.4	-224.9	1.8
-4.2	8.0	0.9	33.4	NA	NA	NA	1.1
-4.7	7.9	0.0	-98.3	NA	NA	NA	1.1
-4.4	5.0	0.3	-86.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.3
-4.2	6.3	0.7	179.6	NA	NA	NA	1.0
-4.3	4.8	1.2	-110.1	NA	NA	NA	1.2
-4.3	8.0	1.1	-109.5	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.3	8.0	0.0	241.4	NA	NA	NA	0.4
-4.4	2.8	-0.2	-133.6	NA	NA	NA	1.9
-4.3	3.8	0.2	-113.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	4.9	0.2	308.3	NA	NA	NA	0.9
-4.5	6.1	0.7	-101.6	NA	NA	NA	1.4
-4.4	8.0	1.3	-83.1	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.3	5.8	0.0	70.8	NA	NA	NA	0.3
-4.3	3.3	1.7	-136.9	NA	NA	NA	1.4
-4.2	8.0	0.8	-101.2	NA	NA	NA	1.1
NA	NA	1.3	NA	NA	NA	NA	0.6

ga	gw	zr	tp	la	lw	bt	er
-4.1	8.0	0.5	290.0	NA	NA	NA	1.0
-4.2	5.1	-0.3	-139.1	NA	NA	NA	1.7
-4.6	2.6	-0.9	-103.6	NA	NA	NA	1.0
-5.1	7.9	1.4	42.6	-4.7	10.0	-15.8	1.0
-4.7	1.7	1.2	93.5	NA	NA	NA	1.0
-4.5	4.6	1.5	-117.0	NA	NA	NA	1.3
-4.5	7.5	1.0	-68.0	NA	NA	NA	1.0
-4.6	0.7	-2.3	41.9	-4.4	10.0	-143.3	1.7
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.6	8.0	2.2	-102.3	NA	NA	NA	1.2
-4.5	2.9	-0.1	-70.3	NA	NA	NA	1.4
NA	NA	-0.4	NA	NA	NA	NA	0.5
-4.5	4.0	0.0	88.9	NA	NA	NA	1.0
-4.7	8.0	0.5	-91.1	NA	NA	NA	1.9
-4.5	5.8	1.3	-115.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	6.0	-0.3	153.5	NA	NA	NA	0.4
-4.5	5.4	-0.2	-128.6	NA	NA	NA	1.0
-4.4	5.5	-0.4	-47.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	3.9	0.2	21.8	NA	NA	NA	0.5
-4.5	8.0	1.7	-55.1	NA	NA	NA	1.6
-4.5	4.8	-0.5	-97.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	5.6	0.0	42.7	NA	NA	NA	0.3
-4.5	5.0	1.4	-126.5	NA	NA	NA	1.1
-4.4	8.0	0.1	-87.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.3
-4.4	8.0	0.1	68.1	NA	NA	NA	0.5
-4.4	4.4	0.8	-127.3	NA	NA	NA	1.6
-4.6	3.6	-2.3	-79.1	NA	NA	NA	1.0
-5.1	1.8	2.3	55.7	-4.6	10.0	-30.2	1.1
-4.9	1.5	2.1	65.7	NA	NA	NA	1.2
-4.6	4.3	0.2	-98.1	NA	NA	NA	1.3
-4.1	6.8	0.2	-86.3	NA	NA	NA	1.0
-4.8	0.7	4.2	47.2	-4.2	10.0	-137.3	1.8
NA	NA	1.6	NA	NA	NA	NA	0.7
-4.2	3.3	0.8	-120.3	NA	NA	NA	1.8
-4.3	2.3	-0.1	-96.0	NA	NA	NA	1.2
-4.7	7.8	0.5	-9.1	NA	NA	NA	1.0
-4.2	2.9	0.9	88.1	NA	NA	NA	1.0
-4.6	4.4	-0.9	-88.5	NA	NA	NA	2.1
-4.6	7.9	-1.2	-85.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	5.9	0.0	166.4	NA	NA	NA	0.4
-4.7	8.0	0.9	-98.1	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.2	6.3	0.9	-111.8	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.2	6.8	-0.5	233.1	NA	NA	NA	0.9
-4.2	6.3	-2.2	-125.1	NA	NA	NA	1.8
-4.6	4.7	-1.8	-79.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	3.6	0.2	43.9	NA	NA	NA	0.3
-4.6	3.6	-1.5	-101.8	NA	NA	NA	1.5
-4.3	8.0	0.4	-82.7	NA	NA	NA	1.0
-4.3	2.6	0.6	-18.6	NA	NA	NA	1.0
-4.1	6.5	0.1	243.7	NA	NA	NA	1.0
-4.2	3.3	2.8	-127.6	NA	NA	NA	2.0
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.2	3.9	-0.8	104.1	NA	NA	NA	1.8
-4.2	4.7	-0.3	63.7	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.6
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.7	1.2	0.5	60.3	NA	NA	NA	1.0
-4.5	1.1	0.2	34.1	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.9
-4.9	4.0	-2.3	-11.3	NA	NA	NA	1.0
-5.0	2.2	0.7	33.7	NA	NA	NA	1.0
-5.0	2.2	1.3	33.8	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.2
-4.7	1.5	-1.1	-88.8	NA	NA	NA	1.0
-5.2	1.6	1.9	81.3	-4.7	9.4	-31.3	1.3
-5.1	1.6	2.5	99.9	-4.7	10.0	10.4	1.3
-4.6	8.0	-2.3	-95.6	NA	NA	NA	1.3
-4.9	4.6	-0.8	-42.8	NA	NA	NA	1.2
-5.2	8.0	1.3	51.0	-4.8	4.2	-139.8	2.3
-5.2	8.0	1.2	28.4	-4.8	2.7	-36.7	1.2
-4.8	6.3	-4.7	-94.8	NA	NA	NA	1.7
NA	NA	-1.4	NA	NA	NA	NA	0.9
-5.4	5.2	-1.1	28.5	-4.7	9.0	-3.1	1.0
-5.3	4.5	0.6	28.8	-4.8	10.0	-5.2	1.0
-4.7	6.4	-2.9	-92.3	NA	NA	NA	2.0
-4.7	3.0	2.7	-38.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	2.3	-0.8	22.8	NA	NA	NA	0.9
-4.7	8.0	-9.6	-87.7	NA	NA	NA	2.3
-4.2	2.6	1.0	-61.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.6
-4.2	4.1	-0.6	49.7	NA	NA	NA	0.5
-4.2	8.0	-1.5	-92.6	NA	NA	NA	1.6
-4.6	3.4	-2.9	-49.0	NA	NA	NA	1.0
-4.7	7.2	-3.2	14.6	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	8.0	0.4	77.9	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	1.5
-5.4	8.0	2.7	-35.7	-4.6	1.9	-1.9	1.2
-4.9	7.3	1.0	53.5	-4.4	7.4	15.2	1.0
-5.5	2.6	0.4	72.9	-5.2	1.0	9.8	0.7
NA	NA	-3.8	NA	NA	NA	NA	1.4
-4.2	4.9	4.2	-60.2	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.2	4.9	-3.4	37.7	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.8
-4.7	3.4	-1.4	-29.0	NA	NA	NA	1.0
-4.6	3.6	-0.5	91.4	NA	NA	NA	1.3
-4.7	3.9	0.4	58.1	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.3
-4.4	8.0	-2.9	56.9	NA	NA	NA	1.3
-5.8	3.6	8.0	109.7	NA	NA	NA	2.6
-5.5	1.1	3.6	113.0	-4.5	4.0	4.9	2.2
NA	NA	-6.8	NA	NA	NA	NA	2.0
NA	NA	0.2	NA	NA	NA	NA	1.2
-4.5	8.0	0.0	27.6	NA	NA	NA	1.0
-4.4	4.6	0.0	31.8	NA	NA	NA	0.9
NA	NA	-2.0	NA	NA	NA	NA	1.2
-4.4	1.5	-1.1	-25.5	NA	NA	NA	1.0
-4.9	8.0	-0.6	22.2	NA	NA	NA	1.4
-4.8	5.9	0.0	23.7	NA	NA	NA	1.1
NA	NA	-1.9	NA	NA	NA	NA	1.6
-6.0	1.1	-0.4	-18.9	-4.0	10.0	-2.8	0.7
-5.6	0.8	-0.8	96.2	-4.7	9.6	65.3	1.9
-5.9	1.1	1.8	83.1	-4.2	1.7	20.5	1.5
NA	NA	3.0	NA	NA	NA	NA	1.4
-5.9	4.3	1.5	-19.5	NA	NA	NA	1.0
-6.2	1.3	-2.3	83.8	-4.0	9.2	27.8	1.6
-6.0	1.6	-1.1	77.4	-4.1	10.0	42.4	1.3
NA	NA	2.9	NA	NA	NA	NA	1.6
-4.6	2.0	1.2	-89.4	NA	NA	NA	1.0
-5.2	4.5	-0.6	32.8	-4.8	10.0	-18.2	1.4
-5.3	3.5	-1.2	28.0	NA	NA	NA	1.1
-4.7	6.0	-0.2	-75.1	NA	NA	NA	1.0
-4.6	5.4	0.3	-54.2	NA	NA	NA	1.0
-5.3	8.0	0.3	20.1	-4.5	4.2	-49.4	1.2
-5.2	1.5	-1.4	26.2	NA	NA	NA	1.0
-4.6	4.3	2.2	-84.5	NA	NA	NA	1.0
-4.8	2.8	-0.3	38.9	NA	NA	NA	1.0
-5.2	6.6	0.7	51.2	-4.4	2.7	-227.1	1.9
-4.8	8.0	1.4	-78.7	NA	NA	NA	1.3
-4.6	1.2	-2.3	-78.5	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.2	NA	NA	NA	NA	0.8
-4.6	5.8	1.0	56.2	-4.4	8.3	5.6	1.0
-4.6	8.0	0.2	32.5	-4.2	2.8	-6.3	0.9
-5.6	1.8	1.9	-22.9	NA	NA	NA	1.4
-4.1	8.0	-1.4	-23.3	NA	NA	NA	1.0
-5.0	1.1	-0.8	20.9	NA	NA	NA	1.0
-4.1	4.1	0.7	119.7	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.6
-4.2	5.5	-1.0	-63.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	4.3	0.1	20.6	NA	NA	NA	0.4
-4.5	2.0	-0.3	-64.9	NA	NA	NA	1.2
-6.2	4.7	1.2	-29.0	NA	NA	NA	1.0
-6.3	2.7	-1.0	60.9	-5.6	9.7	-28.1	1.3
-6.1	2.6	-1.4	83.0	-5.7	8.7	-8.4	1.0
-4.8	3.6	-0.8	-71.2	NA	NA	NA	1.7
NA	NA	-0.4	NA	NA	NA	NA	1.1
-5.3	2.7	0.2	39.9	NA	NA	NA	1.7
-4.7	1.0	0.1	64.6	NA	NA	NA	1.0
-5.3	8.0	0.5	-25.1	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.2	2.4	0.3	59.2	NA	NA	NA	1.7
-4.3	2.0	-1.1	28.3	NA	NA	NA	0.8
NA	NA	-2.0	NA	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	1.0
-4.2	2.6	1.8	76.4	NA	NA	NA	1.8
-4.5	1.8	-1.0	29.8	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	2.0
-4.3	2.1	-0.9	-90.3	NA	NA	NA	1.1
-5.0	3.0	-0.2	48.5	-4.6	10.0	-27.4	1.1
-5.0	2.8	0.1	50.4	-4.7	10.0	3.4	1.3
-4.6	8.0	-0.8	-91.0	NA	NA	NA	0.9
-4.2	1.3	-0.7	-67.3	NA	NA	NA	1.0
-4.9	1.1	-3.6	71.6	-4.1	10.0	-100.4	2.0
-4.8	1.1	-1.3	69.1	-4.2	10.0	-5.7	1.2
-4.3	8.0	-0.3	-101.4	NA	NA	NA	1.8
-4.2	6.3	1.4	-57.3	NA	NA	NA	1.5
NA	NA	-0.9	NA	NA	NA	NA	0.6
-4.2	8.0	-0.8	45.3	NA	NA	NA	1.0
-4.2	8.0	-2.7	-107.4	NA	NA	NA	1.9
-4.6	8.0	-0.6	-80.3	-4.1	10.0	-52.5	0.5
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	8.0	0.3	73.4	-4.2	2.1	39.0	0.4
-4.6	8.0	0.0	-112.1	-4.1	10.0	-88.4	1.2
-4.2	4.3	0.9	-96.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	6.1	-0.1	22.6	NA	NA	NA	0.3
-4.4	8.0	-0.1	-99.3	NA	NA	NA	1.5
-4.1	7.7	1.2	-90.5	NA	NA	NA	1.0
-4.1	8.0	1.1	-26.7	NA	NA	NA	1.0
-4.1	5.3	-0.4	125.7	NA	NA	NA	1.0
-4.1	8.0	-0.3	-121.2	NA	NA	NA	1.8
-5.1	1.4	-1.6	-41.8	NA	NA	NA	0.6
-4.2	8.0	-1.6	-41.2	NA	NA	NA	1.2
-4.8	1.7	-0.7	59.9	-4.3	10.0	6.8	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.0
-5.2	1.7	-1.1	-83.2	-4.1	2.5	-55.9	1.1
-5.2	1.8	-0.3	-8.9	NA	NA	NA	0.5
-5.0	3.1	0.0	49.0	-4.1	2.9	13.6	0.4
-5.1	8.0	-0.9	-86.0	-4.4	4.3	-28.3	1.7
-5.7	1.2	-0.7	-37.9	NA	NA	NA	1.3
-5.8	8.0	-0.8	42.5	-5.2	1.9	-10.1	1.0
-5.7	4.3	0.3	48.4	-4.8	2.3	9.1	0.9
-6.1	2.1	-0.9	-33.3	NA	NA	NA	1.4
-5.0	0.6	3.9	-85.3	NA	NA	NA	1.5
-4.8	8.0	1.0	-21.6	NA	NA	NA	1.0
-4.1	5.7	1.0	68.4	NA	NA	NA	1.5
-4.6	0.6	3.9	-91.7	NA	NA	NA	2.1
-4.2	7.0	-1.7	-92.5	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.0
-4.2	8.0	-0.4	35.7	NA	NA	NA	1.0
-4.2	5.2	-1.2	-103.4	NA	NA	NA	1.2
-4.8	1.3	0.7	-73.8	NA	NA	NA	1.3
-5.8	8.0	-0.9	85.6	-4.9	1.5	-183.7	2.3
-5.7	8.0	0.1	69.0	-5.3	4.0	-15.5	1.6
-5.0	2.8	6.6	-96.3	NA	NA	NA	1.6
-4.3	2.4	-1.5	-102.6	NA	NA	NA	1.1
-4.4	6.6	0.1	-18.2	NA	NA	NA	1.0
-4.2	3.2	1.2	171.9	NA	NA	NA	0.9
-4.5	2.8	1.6	-100.0	NA	NA	NA	1.9
-4.3	8.0	1.3	-81.4	NA	NA	NA	1.8
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	28.8	NA	NA	NA	0.3
-4.4	8.0	-0.2	-97.3	NA	NA	NA	1.5
-4.2	2.1	1.2	-111.4	NA	NA	NA	1.0
-4.2	2.1	0.5	-42.9	NA	NA	NA	1.0
-4.1	4.4	0.1	198.1	NA	NA	NA	1.0
-4.3	8.0	-0.9	-100.8	NA	NA	NA	1.7
-4.5	3.1	1.0	-44.6	NA	NA	NA	1.0
-5.0	8.0	-1.5	42.8	-4.6	10.0	-105.7	1.8
NA	NA	-0.7	NA	NA	NA	NA	1.3
-4.6	8.0	0.0	-77.3	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.4	5.4	-0.1	-100.5	NA	NA	NA	1.0
-4.4	3.4	0.0	-36.1	NA	NA	NA	1.0
-4.4	5.2	0.0	195.6	NA	NA	NA	1.0
-4.4	3.4	-1.2	-135.0	NA	NA	NA	1.2
-4.5	8.0	0.2	-79.1	NA	NA	NA	1.0
-4.5	1.4	1.0	-48.5	NA	NA	NA	1.3
-4.3	8.0	0.0	43.0	NA	NA	NA	1.3
-4.5	8.0	-0.2	-91.5	NA	NA	NA	1.4
-4.4	8.0	-0.7	-64.2	NA	NA	NA	1.3
-5.4	8.0	-6.6	64.2	-4.4	3.7	-175.1	2.3
-5.5	8.0	-1.8	33.3	-4.7	10.0	-29.3	1.7
-4.3	2.0	0.2	-131.3	NA	NA	NA	1.8
-4.5	8.0	1.5	-77.3	NA	NA	NA	1.1
-4.5	4.3	0.0	-50.4	NA	NA	NA	1.0
-4.4	8.0	-1.0	23.4	NA	NA	NA	0.6
-4.7	7.1	-1.7	-84.0	NA	NA	NA	1.9
-4.2	7.3	-0.3	-114.3	NA	NA	NA	1.0
-4.5	8.0	-0.3	-8.3	NA	NA	NA	0.5
-4.4	7.1	-0.1	89.7	NA	NA	NA	0.4
-4.5	8.0	1.8	-102.1	NA	NA	NA	1.0
-4.2	8.0	-2.1	-89.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.1	3.9	0.6	134.1	NA	NA	NA	0.9
-4.3	3.8	8.3	-109.8	NA	NA	NA	2.0
-4.5	8.0	1.5	-85.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	8.0	-0.2	16.8	NA	NA	NA	0.3
-4.5	8.0	1.3	-100.7	NA	NA	NA	1.4
-4.2	2.5	0.2	-106.6	NA	NA	NA	1.1
-4.2	2.5	0.1	-40.1	NA	NA	NA	1.0
-4.1	3.7	0.2	183.7	NA	NA	NA	1.0
-4.1	8.0	-0.7	-134.1	NA	NA	NA	1.6
-5.1	5.1	-1.2	-16.7	NA	NA	NA	1.0
-5.1	1.8	-1.2	60.3	NA	NA	NA	1.6
-5.0	1.7	0.3	69.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-5.5	1.9	-1.9	-14.0	-4.1	10.0	14.1	1.1
-5.8	2.2	-1.2	90.5	-4.4	10.0	26.0	1.4
-5.7	1.9	-0.1	75.2	-4.3	10.0	22.8	1.2
NA	NA	-3.6	NA	NA	NA	NA	2.2
NA	NA	0.3	NA	NA	NA	NA	1.0
-5.0	1.3	0.1	108.6	NA	NA	NA	1.0
-5.1	1.4	-0.8	77.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
-4.6	2.2	-1.4	-32.0	NA	NA	NA	1.0
-4.6	1.8	2.6	91.8	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.2	2.3	111.0	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.3	3.4	0.0	-28.4	NA	NA	NA	1.0
-4.4	3.2	0.2	54.2	NA	NA	NA	1.1
-4.2	3.1	0.4	60.8	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.2
-4.7	8.0	-1.3	-65.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.6	4.2	0.3	40.4	NA	NA	NA	1.0
-4.6	8.0	2.4	-96.2	NA	NA	NA	1.7
NA	NA	-1.4	NA	NA	NA	NA	1.1
-4.8	2.8	-0.1	45.9	NA	NA	NA	1.0
-4.7	1.5	-0.2	51.2	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.2
-5.0	8.0	-2.1	-11.9	NA	NA	NA	0.8
-4.6	1.7	1.4	49.5	NA	NA	NA	1.8
-4.6	1.9	1.9	55.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	-2.4	NA	NA	NA	NA	1.0
-5.0	4.6	0.9	40.5	NA	NA	NA	2.0
-4.8	1.9	1.5	43.7	NA	NA	NA	1.3
NA	NA	2.1	NA	NA	NA	NA	1.8
-5.0	1.2	0.5	-16.1	NA	NA	NA	1.1
-5.5	1.9	-3.6	41.0	NA	NA	NA	1.8
-4.6	0.7	-3.1	85.2	-4.2	9.3	13.3	1.2
NA	NA	6.2	NA	NA	NA	NA	1.5
-4.7	8.0	-2.9	-21.9	NA	NA	NA	1.3
-4.6	3.0	1.3	86.7	NA	NA	NA	1.0
-4.7	4.4	1.8	68.6	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.2
-5.3	2.1	2.1	-13.6	NA	NA	NA	1.0
-4.6	1.6	1.5	140.9	NA	NA	NA	1.4
-4.6	1.3	-0.2	103.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.7
-4.8	1.6	0.9	-26.0	NA	NA	NA	1.0
-5.1	1.5	0.2	137.9	-4.4	9.8	56.9	1.0
-5.0	1.3	0.4	135.5	-4.3	9.6	35.4	1.0
-4.4	3.3	0.0	-78.6	NA	NA	NA	1.5
-4.8	8.0	-0.1	-24.9	NA	NA	NA	1.3
-4.8	8.0	-0.8	59.6	NA	NA	NA	1.9
-4.5	1.6	-1.0	66.3	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	0.9
-5.4	1.1	2.2	-13.5	-4.0	6.1	14.2	0.7
-4.9	0.9	2.1	124.7	-4.1	9.8	-12.6	1.5
-4.8	1.0	0.2	98.3	-4.2	9.7	5.6	1.1
-4.5	4.9	1.2	-45.8	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.8	0.7	-38.6	NA	NA	NA	1.0
-5.2	2.1	0.8	94.6	-4.2	9.9	13.8	1.0
-4.6	1.2	-1.1	150.2	-4.3	9.9	29.5	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.9
NA	NA	-0.1	NA	NA	NA	NA	1.8
-6.1	0.9	11.8	80.5	-5.9	9.9	49.9	1.8
-5.2	0.6	0.4	47.2	NA	NA	NA	1.3
NA	NA	0.8	NA	NA	NA	NA	1.8
-4.8	2.5	0.6	-19.1	NA	NA	NA	1.0
-5.2	7.7	0.1	50.9	-5.0	9.6	19.9	1.0
-5.1	5.5	-0.3	24.9	NA	NA	NA	1.0
-5.3	1.7	1.2	-47.0	NA	NA	NA	1.3
-4.5	0.9	-1.8	-29.3	NA	NA	NA	1.0
-5.0	7.7	-0.8	26.5	NA	NA	NA	1.0
-5.0	8.0	0.8	33.2	-3.2	0.5	25.2	0.9
-5.0	0.8	1.8	-44.2	NA	NA	NA	1.2
-5.5	5.5	0.0	-21.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.5
-5.2	2.0	0.7	11.2	NA	NA	NA	1.0
NA	NA	-4.4	NA	NA	NA	NA	2.1
-4.7	0.7	-0.1	-40.0	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.2
-4.5	0.7	0.4	27.4	NA	NA	NA	1.0
NA	NA	-5.5	NA	NA	NA	NA	1.8
-4.6	1.0	0.9	-67.8	NA	NA	NA	1.0
-4.7	1.4	0.8	20.8	-4.1	9.9	-20.9	0.5
-4.8	1.3	0.2	35.4	-4.0	9.9	-6.6	0.4
NA	NA	-1.1	NA	NA	NA	NA	1.6
-5.0	0.7	-0.4	-36.2	NA	NA	NA	1.3
-5.0	0.4	0.0	11.1	NA	NA	NA	1.0
-4.9	0.7	0.4	30.8	NA	NA	NA	0.9
NA	NA	-0.7	NA	NA	NA	NA	1.4
-5.1	0.8	-4.0	-37.6	NA	NA	NA	1.0
NA	NA	-3.4	NA	NA	NA	NA	0.6
-4.6	1.3	-0.2	21.7	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.2
-4.8	1.7	1.2	53.2	NA	NA	NA	1.6
-4.4	1.1	0.5	52.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
-5.4	2.0	-0.6	-27.3	NA	NA	NA	1.0
-5.4	1.2	-0.3	192.5	-4.3	9.2	103.8	1.3
-5.2	1.1	0.5	236.2	-4.3	10.0	82.1	1.1
NA	NA	0.0	NA	NA	NA	NA	1.9
-4.4	1.4	-0.8	-75.5	NA	NA	NA	1.0
-5.1	1.1	-0.1	64.0	-4.4	10.0	8.7	1.5

ga	gw	zr	tp	la	lw	bt	er
-5.2	1.6	0.1	55.4	NA	NA	NA	1.4
-4.4	4.1	-3.4	-50.1	NA	NA	NA	1.5
-4.1	3.2	-4.6	-43.9	NA	NA	NA	1.3
-5.3	8.0	-0.1	24.1	-4.2	5.2	-161.7	2.2
-4.9	1.4	0.6	38.4	-4.2	10.0	-12.7	1.0
-4.2	2.0	-1.7	-126.7	NA	NA	NA	1.6
-4.2	4.7	1.9	-73.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.4	26.6	NA	NA	NA	0.4
-4.3	3.5	-1.7	-45.0	NA	NA	NA	1.0
-4.1	3.2	-1.1	-59.9	NA	NA	NA	1.1
-5.0	8.0	0.7	22.0	-4.1	1.4	-21.7	1.0
-4.3	1.5	1.6	42.7	NA	NA	NA	1.0
NA	NA	5.1	NA	NA	NA	NA	2.1
NA	NA	0.0	NA	NA	NA	NA	0.7
-5.1	0.7	-5.0	29.0	NA	NA	NA	1.7
-4.9	1.4	-1.1	23.4	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.7
-5.5	1.2	2.5	-62.3	NA	NA	NA	1.1
-6.4	8.0	-0.3	48.3	-5.5	2.7	-108.4	2.2
-6.2	6.0	-1.1	43.2	-5.6	2.6	-19.9	1.3
-5.4	4.5	-6.4	-90.5	NA	NA	NA	2.0
-5.4	8.0	1.4	-38.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.1	2.6	0.0	12.7	NA	NA	NA	0.4
-5.1	8.0	2.4	-25.7	NA	NA	NA	1.3
-5.7	8.0	-0.6	-35.7	-4.7	4.0	-4.7	1.0
-5.0	2.1	0.5	50.6	-4.8	10.0	3.5	1.0
-5.2	2.3	0.7	112.9	-4.9	10.0	23.9	1.0
NA	NA	1.1	NA	NA	NA	NA	2.2
-4.4	8.0	1.6	-106.7	NA	NA	NA	1.1
-4.9	1.0	0.0	29.6	-4.5	10.0	-13.2	1.0
-4.4	4.4	-0.6	143.5	NA	NA	NA	1.0
-4.6	8.0	1.0	-97.3	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.9	4.0	0.4	39.8	NA	NA	NA	1.5
-4.8	3.6	0.3	38.7	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.3
-4.3	4.7	1.6	-21.1	NA	NA	NA	1.0
-4.4	2.8	-0.5	46.3	NA	NA	NA	1.0
-4.4	3.5	-0.7	45.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.5
-6.5	8.0	0.5	-65.9	NA	NA	NA	1.0
-6.6	8.0	-0.5	48.9	-6.4	10.0	-41.9	1.3
-6.6	8.0	-1.1	78.8	-6.2	10.0	-1.8	1.1
-6.4	4.2	0.3	-94.0	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-6.6	3.4	1.7	-46.8	NA	NA	NA	1.5
-7.0	8.0	-3.9	187.6	-6.1	1.4	-160.2	2.7
-7.0	8.0	-2.8	99.6	-5.9	2.1	-22.8	2.1
-6.6	2.0	1.3	-96.7	NA	NA	NA	1.0
-6.7	8.0	0.7	-77.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-6.6	2.6	0.1	98.3	-5.4	0.6	54.3	0.4
-8.0	3.7	-4.1	10.9	-6.8	5.2	-93.8	1.4
-6.0	1.2	0.5	-24.4	NA	NA	NA	1.5
-6.4	6.6	0.3	68.0	-5.8	4.7	19.7	1.0
-6.2	6.6	-0.1	72.7	-5.9	8.7	31.3	0.9
-6.4	8.0	-0.3	-53.5	NA	NA	NA	1.8
-6.6	8.0	1.6	-63.3	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-6.6	8.0	-0.2	11.1	NA	NA	NA	0.3
-6.5	8.0	1.7	-93.4	NA	NA	NA	1.6
-6.3	3.1	1.6	-61.6	NA	NA	NA	1.4
-6.4	5.5	0.9	-15.8	NA	NA	NA	1.0
-5.7	1.7	-0.8	73.4	NA	NA	NA	1.0
-6.2	3.3	3.3	-96.1	NA	NA	NA	1.9
NA	NA	2.7	NA	NA	NA	NA	1.3
-4.3	1.6	-1.2	44.3	NA	NA	NA	1.8
NA	NA	-1.4	NA	NA	NA	NA	1.5
-8.3	0.5	12.8	-11.2	NA	NA	NA	1.9
-6.8	8.0	-0.7	6.2	-4.0	1.2	-35.3	1.0
-5.0	2.5	1.4	30.7	-4.3	6.8	-8.8	1.0
-4.8	3.7	0.5	30.2	-4.4	10.0	0.3	1.0
-4.2	2.1	-0.8	-85.7	NA	NA	NA	1.8
-4.3	2.6	-1.3	-47.3	NA	NA	NA	1.0
-4.7	3.1	1.5	16.0	NA	NA	NA	1.0
-4.3	2.6	0.8	61.3	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	1.1
-5.1	2.9	1.6	19.6	NA	NA	NA	1.4
-5.1	8.0	1.1	12.5	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.0
-6.0	1.6	0.3	-18.1	-4.7	2.5	34.0	0.5
-6.0	2.2	0.0	92.4	NA	NA	NA	2.4
-5.8	1.3	-2.5	94.7	-5.0	10.0	38.8	1.3
NA	NA	-2.3	NA	NA	NA	NA	1.8
-4.5	3.8	1.4	39.8	NA	NA	NA	1.0
-4.6	1.8	0.8	74.3	NA	NA	NA	1.0
-4.6	1.1	-0.8	26.2	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.9
-4.6	2.5	0.8	14.0	NA	NA	NA	1.0
-4.6	2.4	0.4	33.5	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.0	-0.1	15.9	NA	NA	NA	0.4
NA	NA	-2.2	NA	NA	NA	NA	1.7
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.7	1.7	3.5	116.9	-4.1	10.0	-106.3	1.9
-4.8	3.2	0.9	56.6	-4.3	10.0	-32.9	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
-4.3	6.6	0.7	-31.1	NA	NA	NA	1.0
-4.7	2.6	-0.1	83.5	-4.3	10.0	14.6	1.0
-4.7	3.4	-0.3	52.6	-4.1	2.2	14.1	1.0
NA	NA	3.1	NA	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.7	1.5	0.7	81.1	-4.2	10.0	7.4	1.8
-4.7	1.9	0.9	44.5	-4.2	10.0	-4.9	1.0
NA	NA	2.1	NA	NA	NA	NA	1.5
-4.2	4.5	-0.8	-84.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	5.5	0.1	45.1	NA	NA	NA	0.4
-4.2	8.0	2.0	-117.2	NA	NA	NA	1.4
-4.5	3.0	0.4	-19.1	NA	NA	NA	1.0
-5.1	3.6	0.2	48.3	-4.5	7.0	10.0	1.0
-4.9	2.8	0.3	48.1	-4.4	9.7	10.8	1.0
NA	NA	1.8	NA	NA	NA	NA	2.1
-5.5	2.9	1.8	-17.8	-4.0	4.1	16.2	0.9
-4.5	0.9	-1.1	293.6	NA	NA	NA	1.9
-4.9	1.2	-1.1	139.1	NA	NA	NA	1.2
NA	NA	1.7	NA	NA	NA	NA	1.5
-5.6	0.7	2.4	-22.3	-4.0	10.0	15.2	0.7
-4.5	0.7	0.1	222.1	NA	NA	NA	1.8
-5.0	0.9	0.0	126.2	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.7
NA	NA	-1.0	NA	NA	NA	NA	1.2
-4.3	3.0	-0.2	46.9	NA	NA	NA	1.0
-4.4	2.7	0.0	23.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.8
NA	NA	1.1	NA	NA	NA	NA	1.0
-4.5	2.3	-1.7	33.6	NA	NA	NA	1.9
-4.3	3.1	-1.3	23.4	NA	NA	NA	0.9
NA	NA	-0.5	NA	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.8	4.6	0.0	45.2	-4.4	7.7	3.1	1.0
-4.9	7.4	-0.7	12.6	NA	NA	NA	0.5
NA	NA	0.2	NA	NA	NA	NA	1.3
NA	NA	0.7	NA	NA	NA	NA	1.3
-4.1	4.6	-1.4	98.6	NA	NA	NA	1.9
-4.2	2.8	-0.1	52.4	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.7	2.3	1.2	94.8	NA	NA	NA	1.3
-4.7	3.0	0.9	76.7	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.4
-4.3	7.6	1.3	-107.4	NA	NA	NA	1.0
-4.4	1.6	-0.2	-49.2	NA	NA	NA	1.0
-4.3	8.0	-0.6	49.3	NA	NA	NA	0.7
-4.3	8.0	1.1	-124.0	NA	NA	NA	1.1
-4.8	2.2	0.7	-72.9	NA	NA	NA	1.2
-5.8	8.0	-5.2	70.3	-4.8	2.5	-137.9	2.2
-5.7	8.0	-2.0	70.0	-5.4	9.9	-2.2	1.2
-5.1	4.8	2.8	-99.5	NA	NA	NA	1.2
-4.4	3.1	1.0	-116.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	8.0	-0.2	126.7	NA	NA	NA	0.4
-4.4	4.6	0.2	-110.6	NA	NA	NA	1.0
-4.6	3.2	-2.3	-76.8	NA	NA	NA	1.0
-4.6	6.5	0.4	-14.2	NA	NA	NA	1.0
-4.4	2.6	1.0	124.5	NA	NA	NA	0.9
-4.7	2.8	1.9	-103.0	NA	NA	NA	1.5
-4.3	8.0	1.8	-107.3	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	8.0	-0.3	28.4	NA	NA	NA	0.3
-4.3	8.0	4.6	-134.7	NA	NA	NA	1.4
-4.6	2.6	1.2	-92.7	NA	NA	NA	1.0
-4.6	2.7	0.0	-29.5	NA	NA	NA	1.0
-4.2	3.4	-0.2	175.0	NA	NA	NA	1.0
-4.6	4.4	0.7	-106.9	NA	NA	NA	1.7
-4.2	4.7	-0.6	-32.9	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	2.5	0.1	13.8	NA	NA	NA	0.4
NA	NA	3.5	NA	NA	NA	NA	0.9
-5.0	0.8	0.1	-48.0	NA	NA	NA	1.1
-5.8	1.2	-1.7	38.4	-4.0	3.3	-92.1	1.9
-5.4	1.3	-0.2	77.1	-4.6	7.4	30.8	1.1
-4.2	2.9	-3.3	-106.0	NA	NA	NA	1.8
-4.3	1.9	0.9	-61.3	NA	NA	NA	1.0
-4.2	8.0	-0.5	43.2	NA	NA	NA	1.0
-4.3	4.9	-0.3	104.8	NA	NA	NA	0.9
-4.4	2.3	-3.3	-68.1	NA	NA	NA	1.5
-4.2	1.2	0.8	-104.8	NA	NA	NA	1.0
-4.1	8.0	-0.3	25.0	NA	NA	NA	1.0
-4.1	4.0	0.3	282.5	NA	NA	NA	1.0
-4.1	8.0	-3.5	-91.7	NA	NA	NA	2.0
-5.7	8.0	-0.4	-34.2	-4.8	1.7	-0.1	0.5
-5.4	3.3	1.3	80.3	-5.1	10.0	-36.5	1.2



ga	gw	zr	tp	la	lw	bt	er
-5.4	2.8	0.8	96.7	-5.0	8.3	-23.2	1.0
-5.0	8.0	1.3	-23.3	NA	NA	NA	1.6
-5.2	5.1	1.6	-72.5	-4.6	2.6	-43.6	0.5
NA	NA	0.0	NA	NA	NA	NA	0.0
-5.1	4.2	-0.3	44.5	-4.4	1.4	5.3	0.4
-5.2	8.0	-1.3	-93.6	-4.4	2.0	-28.0	1.1
-4.2	3.9	-1.1	-99.4	NA	NA	NA	1.0
-4.4	7.9	0.6	-38.3	NA	NA	NA	1.0
-4.2	8.0	0.4	58.3	NA	NA	NA	1.0
-4.4	8.0	-0.1	-91.1	NA	NA	NA	1.1
-4.5	3.5	-1.1	-64.7	NA	NA	NA	1.0
-6.8	0.4	-2.6	20.0	-4.4	5.8	-192.5	1.9
NA	NA	3.1	NA	NA	NA	NA	1.5
-4.5	3.8	-0.1	-97.2	NA	NA	NA	1.1
-4.6	4.5	0.5	42.3	-4.2	10.0	-35.5	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.6
-4.2	8.0	-0.3	23.6	NA	NA	NA	0.5
-4.5	5.5	-0.2	-76.7	NA	NA	NA	1.5
-4.2	5.1	-1.1	-100.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	6.4	0.1	138.3	NA	NA	NA	0.4
-4.2	6.0	-1.7	-126.2	NA	NA	NA	1.0
-4.2	3.6	-0.3	-106.5	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.2	5.7	-0.2	159.9	NA	NA	NA	0.9
-4.3	2.4	-0.4	-126.7	NA	NA	NA	1.7
-4.3	8.0	1.2	-66.1	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.3
-4.3	6.9	-0.4	46.5	NA	NA	NA	1.0
-4.0	1.0	0.4	-47.8	NA	NA	NA	1.6
-4.5	1.9	0.8	-91.9	NA	NA	NA	1.0
-4.4	6.3	-1.4	-209.0	NA	NA	NA	1.7
-4.9	1.6	-1.1	35.7	-4.5	10.0	-6.4	1.0
-4.5	2.7	-1.7	-128.3	NA	NA	NA	1.5
-4.6	6.8	-0.2	-26.3	NA	NA	NA	1.0
-4.9	5.0	-0.9	68.9	NA	NA	NA	1.0
-4.6	1.7	-0.6	92.7	NA	NA	NA	1.0
-4.5	8.0	1.4	-54.5	NA	NA	NA	1.6
-4.6	3.5	1.1	-72.2	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.3
-4.5	4.7	-1.0	23.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.5
NA	NA	2.1	NA	NA	NA	NA	0.8
-5.0	3.8	0.3	53.3	-4.6	9.8	7.1	1.2
-4.9	8.0	0.1	25.1	-4.3	3.3	-14.2	0.7
NA	NA	-0.8	NA	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.9	0.7	-74.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	4.3	0.1	16.9	NA	NA	NA	0.3
-4.7	1.1	3.4	-75.4	NA	NA	NA	1.7
-4.6	2.2	-0.2	-73.4	NA	NA	NA	1.2
-4.8	3.1	0.5	-28.4	NA	NA	NA	1.5
-4.3	2.6	-0.1	45.5	NA	NA	NA	1.4
-4.6	8.0	-0.5	-86.7	NA	NA	NA	1.2
-6.3	1.3	-1.7	-17.8	NA	NA	NA	1.0
-6.5	1.0	2.7	54.8	NA	NA	NA	1.5
-6.4	1.2	2.8	50.0	NA	NA	NA	1.5
NA	NA	-1.2	NA	NA	NA	NA	1.1
-6.8	8.0	0.2	-14.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	2.4
-6.9	5.5	-3.8	22.1	NA	NA	NA	1.8
NA	NA	7.4	NA	NA	NA	NA	1.9
-4.9	5.2	-2.7	4.9	NA	NA	NA	1.0
-8.8	8.0	2.5	43.2	-7.5	1.9	-4.0	1.0
-8.8	4.4	2.9	40.2	-7.7	1.4	-1.4	1.0
NA	NA	6.9	NA	NA	NA	NA	2.0
NA	NA	-0.3	NA	NA	NA	NA	1.1
-5.8	2.8	-3.0	50.6	-4.9	1.5	-12.3	1.9
-5.7	2.3	-2.5	44.6	-4.9	1.3	-14.0	1.7
NA	NA	-0.3	NA	NA	NA	NA	1.4
-5.3	4.4	-1.0	-17.6	NA	NA	NA	1.0
-5.4	1.1	-5.0	123.6	-4.9	10.0	93.0	1.6
-5.5	2.2	0.0	72.8	NA	NA	NA	1.0
-5.6	0.8	1.3	-60.8	NA	NA	NA	1.5
-5.1	8.0	0.4	-18.3	NA	NA	NA	1.4
-5.2	3.6	0.0	92.5	-4.3	9.4	71.7	1.0
-5.2	3.0	0.2	77.3	NA	NA	NA	1.0
-5.6	2.2	0.3	-48.9	NA	NA	NA	1.0
-5.6	2.0	-0.2	-31.7	NA	NA	NA	1.2
-5.5	1.0	-0.1	103.1	-4.7	4.1	-20.9	1.3
-5.4	1.0	-0.3	127.9	-4.7	4.1	-1.8	1.2
-4.2	8.0	1.2	-88.0	NA	NA	NA	1.3
-7.6	8.0	1.1	-7.9	-4.3	1.2	20.6	1.3
-7.5	8.0	1.0	22.5	-6.1	3.8	-0.3	1.0
-7.2	1.6	-0.3	26.7	-6.0	10.0	0.5	1.2
-4.3	8.0	3.4	-89.0	NA	NA	NA	1.9
-4.6	3.5	-1.3	-77.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.1	1.3	0.3	94.5	NA	NA	NA	0.4
-4.8	8.0	1.8	99.0	-4.4	9.9	-23.5	1.0
-6.3	0.5	3.1	-28.7	NA	NA	NA	1.1
-6.8	2.5	-0.5	99.8	-5.9	2.2	6.2	1.0

ga	gw	zr	tp	la	lw	bt	er
-6.8	2.6	0.0	90.9	-6.0	2.3	16.7	0.9
-4.5	5.9	-3.4	-60.7	NA	NA	NA	2.2
-4.3	1.8	0.3	-89.7	NA	NA	NA	1.0
-6.8	4.7	0.7	11.6	-5.0	2.3	-18.0	1.0
-4.1	8.0	0.6	81.7	NA	NA	NA	1.0
-4.1	4.2	-0.2	-131.5	NA	NA	NA	1.6
-4.4	2.6	-0.3	-16.4	NA	NA	NA	0.8
-4.9	2.3	0.9	35.1	NA	NA	NA	1.5
-4.3	0.9	0.0	50.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-4.8	1.1	1.2	-13.8	NA	NA	NA	1.0
-4.8	1.8	0.7	59.6	NA	NA	NA	1.0
-4.7	1.9	0.0	48.9	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.0
-4.7	1.1	-0.1	-12.3	NA	NA	NA	1.0
-5.1	2.9	-1.1	63.0	-4.0	10.0	17.3	1.0
-4.8	1.7	-0.5	63.8	-4.0	9.9	11.4	1.0
NA	NA	0.3	NA	NA	NA	NA	1.5
-4.9	8.0	-0.7	-8.6	NA	NA	NA	1.0
-4.7	2.2	0.3	64.0	NA	NA	NA	1.0
-4.9	2.8	0.6	37.0	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.4
NA	NA	1.4	NA	NA	NA	NA	1.1
-5.3	1.2	-3.3	16.9	NA	NA	NA	1.5
-5.2	1.7	-2.5	12.6	NA	NA	NA	1.3
NA	NA	-2.6	NA	NA	NA	NA	1.2
-5.0	4.3	0.9	18.5	-4.5	10.0	5.2	0.9
-4.2	3.3	4.0	60.2	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.9
-4.9	1.4	0.5	-18.1	NA	NA	NA	1.0
-5.1	3.4	0.2	64.4	-4.1	10.0	19.5	1.0
-5.1	2.6	-0.3	52.1	-4.0	10.0	16.3	1.0
NA	NA	5.8	NA	NA	NA	NA	2.3
-4.4	1.9	-0.1	-100.8	NA	NA	NA	1.0
-5.1	8.0	-0.4	39.2	-4.4	10.0	-6.4	1.4
-4.7	1.5	0.2	87.2	NA	NA	NA	1.1
-4.3	3.4	0.4	-100.5	NA	NA	NA	1.0
-4.4	8.0	0.5	-65.6	NA	NA	NA	1.1
-4.7	3.1	-2.2	74.8	-4.3	9.7	-108.7	1.4
-4.5	7.2	-1.3	81.4	-4.3	10.0	15.0	1.0
-4.4	8.0	2.5	-103.1	NA	NA	NA	1.2
-4.3	2.7	1.3	-74.8	NA	NA	NA	1.5
NA	NA	1.2	NA	NA	NA	NA	0.4
-4.2	3.9	-0.5	57.9	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.2	7.3	-0.5	-114.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	7.6	-0.1	186.6	NA	NA	NA	0.4
-4.6	4.0	1.2	-99.1	NA	NA	NA	1.4
-4.2	3.2	-2.0	-70.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	6.1	0.5	43.9	NA	NA	NA	0.5
-4.4	8.0	1.2	-50.5	NA	NA	NA	1.6
-4.2	5.5	0.8	-80.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.8	-0.1	19.8	NA	NA	NA	0.3
-4.2	6.3	1.3	-121.0	NA	NA	NA	1.7
-4.2	2.9	-2.3	-118.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.7
-4.1	6.5	0.6	325.1	NA	NA	NA	1.0
-4.1	3.3	3.7	-142.5	NA	NA	NA	1.9
-4.4	1.4	-0.5	-54.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.3	3.3	1.0	17.1	NA	NA	NA	0.5
-4.3	2.9	2.2	-64.7	NA	NA	NA	1.4
-4.4	1.8	2.1	-102.2	NA	NA	NA	1.0
-5.0	6.9	-1.0	41.4	-4.5	10.0	-8.5	1.0
-4.4	1.8	-1.5	100.1	NA	NA	NA	1.0
-4.4	3.2	1.1	-107.6	NA	NA	NA	1.1
-4.2	2.4	1.9	-96.0	NA	NA	NA	1.0
-4.6	2.3	-2.0	70.3	-4.1	10.0	-44.3	1.7
-4.6	3.5	-0.7	75.2	-4.1	6.6	18.9	1.0
-4.1	3.4	1.0	-134.1	NA	NA	NA	1.6
-4.3	3.1	0.3	-88.2	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	0.6
-4.1	3.6	0.4	96.7	NA	NA	NA	1.0
-4.2	4.3	3.1	-99.8	NA	NA	NA	1.7
-4.2	7.9	1.8	-121.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	209.5	NA	NA	NA	0.4
-4.6	4.6	-1.4	-100.0	NA	NA	NA	1.4
-4.2	3.5	1.1	-106.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.6	0.0	25.5	NA	NA	NA	0.3
-4.4	8.0	0.4	-98.3	NA	NA	NA	1.0
-4.2	2.3	-2.7	-109.2	NA	NA	NA	1.1
NA	NA	-1.7	NA	NA	NA	NA	0.6
-4.1	4.9	0.2	289.2	NA	NA	NA	1.0
-4.3	8.0	0.3	-101.6	NA	NA	NA	1.6
-4.6	3.0	-1.2	-81.9	NA	NA	NA	1.3
-5.2	4.1	2.6	28.1	-4.6	6.5	-31.9	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.9	1.9	1.4	72.3	NA	NA	NA	1.2
-4.6	3.8	2.6	-90.8	NA	NA	NA	1.3
-4.4	3.7	0.1	-39.1	NA	NA	NA	1.2
-5.0	1.4	-1.1	130.0	-4.3	10.0	14.3	1.9
-5.1	1.6	-1.1	87.4	-4.0	10.0	33.0	1.2
-4.4	3.0	1.8	-57.7	NA	NA	NA	1.1
-4.2	8.0	-0.1	-86.5	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	0.5
-4.1	8.0	-0.6	125.4	NA	NA	NA	0.8
-4.3	2.8	-5.4	-101.8	NA	NA	NA	2.1
-4.2	4.5	0.0	-93.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.1	3.6	-0.3	170.6	NA	NA	NA	0.9
-4.4	1.8	1.2	-93.1	NA	NA	NA	1.7
-4.2	8.0	2.2	-90.6	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.3	48.4	NA	NA	NA	0.3
-4.2	8.0	1.3	-131.2	NA	NA	NA	1.6
-4.1	8.0	2.6	-83.8	NA	NA	NA	1.1
NA	NA	1.1	NA	NA	NA	NA	0.3
-4.1	8.0	0.0	108.0	NA	NA	NA	0.5
-4.2	2.8	0.6	-123.3	NA	NA	NA	1.3
-4.7	1.2	1.4	37.4	NA	NA	NA	1.0
-5.4	8.0	-1.2	42.9	-4.6	10.0	-90.1	1.9
-4.4	8.0	-1.8	-57.9	NA	NA	NA	1.1
-4.6	1.5	-6.2	-117.4	NA	NA	NA	2.0
-4.8	1.4	1.0	-49.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	2.4	0.1	21.0	NA	NA	NA	0.4
-4.7	6.6	-0.2	-75.5	NA	NA	NA	1.4
-5.3	1.8	0.9	-24.3	NA	NA	NA	1.0
-5.2	1.3	-1.0	79.6	-4.4	10.0	17.7	1.4
-5.1	1.2	-0.6	62.8	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.7	1.6	-3.1	65.7	-4.0	10.0	10.5	1.2
-4.6	2.1	-1.5	39.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.6	1.8	-2.5	83.6	-4.1	10.0	16.0	2.0
-4.6	3.0	-0.8	54.2	-4.2	10.0	4.8	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
NA	NA	-2.0	NA	NA	NA	NA	0.7
-6.2	4.2	-0.7	27.2	-5.5	2.9	-28.5	1.2
-6.2	4.6	0.4	25.9	-5.6	3.5	-15.0	1.1
NA	NA	-2.0	NA	NA	NA	NA	0.9

ga	gw	zr	tp	la	lw	bt	er
-4.6	8.0	-3.7	-38.0	NA	NA	NA	1.4
-6.2	2.5	0.4	57.5	-5.3	2.8	-111.4	1.6
-6.1	2.0	1.3	60.9	-5.4	3.7	-47.3	1.2
-5.0	1.1	3.0	-55.5	NA	NA	NA	1.5
-5.2	1.9	-1.3	-52.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.4
-5.1	0.8	-0.1	18.6	NA	NA	NA	0.4
-5.9	0.8	0.7	-52.6	NA	NA	NA	1.2
-6.2	1.0	-2.3	-45.7	-5.1	7.5	-13.2	1.1
-6.1	0.8	-2.3	218.7	-5.1	10.0	-3.8	1.8
-6.0	0.9	0.3	317.5	-5.1	10.0	15.6	2.1
NA	NA	-4.3	NA	NA	NA	NA	2.0
-4.2	3.8	-0.4	-93.2	NA	NA	NA	1.0
-4.7	3.0	1.7	35.4	-4.3	10.0	-6.7	1.3
-4.4	1.9	0.7	61.5	NA	NA	NA	1.1
-4.2	5.8	-0.2	-107.1	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	0.6
-4.6	1.3	1.7	41.3	NA	NA	NA	1.6
NA	NA	1.2	NA	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	1.5
-4.2	6.7	0.7	-102.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.1	6.8	-0.2	124.7	NA	NA	NA	0.5
-4.4	8.0	-4.6	-93.4	NA	NA	NA	1.9
-4.4	4.1	0.5	-15.5	NA	NA	NA	1.0
-4.5	3.1	-0.1	34.1	-3.0	0.5	3.4	1.0
-4.5	5.3	-0.5	26.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	2.0
NA	NA	-1.9	NA	NA	NA	NA	1.1
-5.1	1.3	-1.4	18.2	NA	NA	NA	1.2
-4.7	0.9	-0.9	21.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.2	2.1	0.4	85.3	NA	NA	NA	2.0
-4.2	4.6	-0.6	39.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.7	3.1	1.0	-21.1	-4.0	10.0	-2.6	0.5
-4.7	1.6	-0.6	84.7	-4.0	10.0	37.3	1.0
-4.6	1.6	-0.5	93.6	-4.0	8.3	37.9	0.5
NA	NA	0.2	NA	NA	NA	NA	1.6
-4.7	0.8	-1.5	-65.9	NA	NA	NA	1.3
-5.4	1.1	-0.3	62.1	-4.7	10.0	-156.9	1.6
-5.2	1.2	0.0	81.8	-4.8	10.0	-47.2	1.1
-4.7	8.0	-3.1	-93.6	NA	NA	NA	1.4
-4.5	7.0	0.2	-59.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.6	-0.1	16.2	NA	NA	NA	0.4
-4.9	8.0	1.3	-80.6	NA	NA	NA	1.3
-4.7	1.5	0.8	-48.4	NA	NA	NA	1.2
-5.1	2.9	0.1	60.2	-4.7	10.0	6.0	1.0
-5.1	3.5	0.1	54.1	-4.7	7.3	16.5	0.9
NA	NA	-0.7	NA	NA	NA	NA	2.0
-4.7	7.0	1.2	-45.5	NA	NA	NA	0.7
NA	NA	1.5	NA	NA	NA	NA	0.8
-4.9	7.6	0.1	39.2	NA	NA	NA	1.0
-4.8	5.8	1.9	-92.7	NA	NA	NA	1.5
-5.4	1.4	0.7	-37.6	NA	NA	NA	1.0
-5.8	2.6	1.2	77.7	-4.5	4.4	16.5	1.2
-5.7	1.8	1.2	83.5	-4.5	10.0	46.4	1.0
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.3	0.9	0.7	-78.9	NA	NA	NA	1.0
-5.1	1.5	1.6	141.3	-4.4	5.3	-54.8	1.6
-5.0	1.3	-2.0	123.4	-4.3	9.9	26.1	1.0
-4.4	2.8	-0.4	-105.1	NA	NA	NA	1.3
-4.4	8.0	0.5	-46.5	NA	NA	NA	1.1
-5.2	1.9	0.2	6.1	NA	NA	NA	0.5
-4.2	3.7	0.1	47.2	NA	NA	NA	0.4
-5.6	1.3	-1.0	-47.1	-4.4	9.7	-14.0	1.5
-4.4	4.9	0.7	-33.0	NA	NA	NA	1.0
-4.3	2.2	0.7	91.1	NA	NA	NA	1.0
-4.1	1.9	0.1	110.9	NA	NA	NA	0.9
NA	NA	-1.7	NA	NA	NA	NA	1.4
-5.6	1.5	-0.9	14.3	-4.3	8.6	-18.0	1.0
-4.9	1.0	0.9	36.9	-4.0	10.0	-1.7	1.0
-4.5	1.7	0.7	20.0	NA	NA	NA	1.0
NA	NA	3.8	NA	NA	NA	NA	1.7
-5.5	1.3	-1.4	-35.1	NA	NA	NA	1.3
-5.5	2.1	1.4	90.3	-4.6	1.4	35.7	1.7
-5.4	1.8	3.9	127.7	-4.7	2.2	68.8	1.9
NA	NA	-0.4	NA	NA	NA	NA	1.3
-6.2	7.7	-1.5	-13.9	-4.3	6.0	3.0	1.2
-4.1	0.5	-2.5	333.2	NA	NA	NA	2.5
-5.1	0.6	-3.0	147.6	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.5
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.1	1.1	-1.4	258.4	NA	NA	NA	1.1
-4.1	1.3	0.6	152.8	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	2.2
-4.2	7.9	-1.1	-26.9	NA	NA	NA	0.5
-4.3	1.6	-0.3	33.1	NA	NA	NA	0.5
-4.3	4.0	0.3	39.3	NA	NA	NA	0.4
NA	NA	-1.4	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.1	1.1	0.1	102.9	NA	NA	NA	1.0
-4.1	1.2	0.2	88.3	NA	NA	NA	0.9
NA	NA	-0.7	NA	NA	NA	NA	1.6
NA	NA	-1.4	NA	NA	NA	NA	0.9
-4.7	1.1	-0.2	28.0	NA	NA	NA	0.5
-4.1	0.8	-0.1	26.7	NA	NA	NA	0.3
NA	NA	-7.4	NA	NA	NA	NA	2.1
NA	NA	-0.2	NA	NA	NA	NA	1.2
-4.3	1.3	-1.2	122.4	NA	NA	NA	1.0
-4.2	1.0	0.4	87.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.8
-5.1	1.7	-0.3	-30.5	NA	NA	NA	1.0
-5.3	1.3	-0.5	81.4	-4.6	10.0	15.0	1.7
-5.3	1.6	-0.2	72.7	-4.3	3.0	16.2	1.0
-4.8	8.0	2.4	-46.8	NA	NA	NA	1.2
-4.3	6.4	0.1	-23.1	NA	NA	NA	1.0
-4.6	4.7	0.9	33.9	NA	NA	NA	1.7
-4.5	3.8	-0.3	40.7	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.6
NA	NA	-1.5	NA	NA	NA	NA	0.8
-5.1	1.9	-1.4	30.9	NA	NA	NA	1.3
-4.7	1.4	-0.7	48.8	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.7
-4.5	0.9	1.2	-53.0	NA	NA	NA	1.0
-5.0	1.3	-2.0	105.2	-4.0	1.9	-47.5	1.7
-4.9	1.0	-2.1	105.2	-4.2	10.0	19.7	1.2
-4.1	7.3	0.8	-97.1	NA	NA	NA	1.4
NA	NA	-2.2	NA	NA	NA	NA	1.2
-5.0	1.1	2.8	54.3	NA	NA	NA	2.1
-5.5	2.4	1.0	30.9	NA	NA	NA	1.0
-5.7	2.5	-1.4	-50.3	NA	NA	NA	1.4
-4.4	1.5	-0.5	-22.2	NA	NA	NA	1.0
-4.5	2.0	-1.2	32.7	NA	NA	NA	1.2
-4.3	2.2	-0.9	53.2	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	1.0
-5.2	2.1	-0.9	43.6	-4.2	10.0	7.6	1.9
-4.8	1.1	-0.2	46.5	-4.2	10.0	1.9	1.3
-5.8	2.5	-0.3	-38.1	NA	NA	NA	1.9
NA	NA	-0.4	NA	NA	NA	NA	0.9
-4.2	1.1	-0.9	71.5	NA	NA	NA	2.0
-4.3	2.0	0.7	40.4	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.5	1.5	0.4	55.0	NA	NA	NA	1.7



ga	gw	zr	tp	la	lw	bt	er
-4.3	1.8	0.6	42.3	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.9
NA	NA	-0.5	NA	NA	NA	NA	0.6
-4.3	1.9	-0.3	79.3	NA	NA	NA	1.8
-4.2	1.5	0.7	38.9	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	0.8	NA	NA	NA	NA	0.6
-4.3	1.6	-1.0	88.8	NA	NA	NA	1.6
-4.7	8.0	-0.7	28.0	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.6
-4.6	3.2	0.9	-82.2	NA	NA	NA	1.0
-5.4	3.0	0.0	34.5	-4.7	7.5	-31.7	1.0
-4.2	8.0	0.1	51.5	NA	NA	NA	1.1
-4.8	8.0	0.5	-99.9	NA	NA	NA	1.0
-4.6	8.0	2.5	-30.5	NA	NA	NA	1.0
-5.1	2.5	-2.6	68.9	-4.6	10.0	-117.8	2.1
-5.2	2.5	-4.0	45.5	-4.5	9.5	-36.1	1.2
-4.7	8.0	-0.3	-99.8	NA	NA	NA	1.9
-4.2	6.7	0.1	-71.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.7
-4.2	8.0	0.2	50.2	NA	NA	NA	1.0
-4.3	2.9	-1.5	-105.6	NA	NA	NA	1.8
-4.7	8.0	1.5	-83.0	NA	NA	NA	0.8
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	7.4	-0.1	95.9	-4.2	1.7	54.8	0.4
-4.7	7.6	-2.7	-101.6	NA	NA	NA	1.2
-4.2	3.8	0.5	-84.7	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.2	4.6	0.2	71.8	NA	NA	NA	0.9
-4.6	0.9	1.4	-117.7	NA	NA	NA	1.6
-4.3	6.6	2.4	-83.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.3	-0.1	28.1	NA	NA	NA	0.3
-4.5	8.0	2.0	-101.9	NA	NA	NA	2.2
-4.4	8.0	-1.3	-72.2	NA	NA	NA	1.0
-4.4	1.3	-0.9	36.5	-4.2	10.0	-5.4	1.0
-4.4	4.1	0.3	83.4	NA	NA	NA	1.0
-4.3	4.9	-1.6	-102.5	NA	NA	NA	1.2
-4.6	2.1	1.3	-75.8	NA	NA	NA	1.0
-5.3	1.1	-0.7	35.4	-4.6	10.0	-16.2	1.0
-5.1	1.5	-0.4	36.7	-4.5	8.3	-4.5	1.0
-4.7	5.1	0.7	-99.0	NA	NA	NA	1.1
-4.7	1.7	0.1	-24.2	NA	NA	NA	0.8
-4.9	3.5	0.7	90.5	-4.6	10.0	-59.8	1.8
-4.9	2.5	0.5	79.5	-4.5	10.0	2.2	1.3
-4.4	7.9	3.5	-123.1	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.4	7.7	-0.4	-26.8	NA	NA	NA	1.0
-4.4	4.9	-0.8	80.5	NA	NA	NA	1.0
-4.4	6.1	-0.2	110.5	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.7
-4.8	1.4	0.8	-19.5	NA	NA	NA	1.0
-4.6	1.8	0.9	47.8	NA	NA	NA	1.0
-4.6	2.0	0.3	50.3	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.3
-4.7	1.5	-3.1	53.1	NA	NA	NA	1.6
-4.8	3.4	-0.5	50.2	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	1.5
-4.5	1.6	2.6	149.7	NA	NA	NA	1.4
-4.5	1.6	0.1	283.6	NA	NA	NA	2.0
NA	NA	0.0	NA	NA	NA	NA	1.1
NA	NA	3.3	NA	NA	NA	NA	1.6
-4.7	1.6	1.4	159.9	NA	NA	NA	1.5
-4.6	1.2	-0.9	337.8	NA	NA	NA	1.3
-4.8	1.2	-0.3	68.0	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	1.6
-4.8	3.2	-1.8	43.8	NA	NA	NA	1.0
-4.7	1.4	-0.1	78.8	NA	NA	NA	0.5
-4.8	1.1	0.3	29.0	NA	NA	NA	0.4
-4.9	3.9	0.1	-33.4	NA	NA	NA	1.3
-4.9	7.1	1.1	42.2	NA	NA	NA	1.4
-4.3	1.1	0.9	173.0	NA	NA	NA	1.0
-5.1	1.6	0.2	51.1	NA	NA	NA	0.9
-6.1	0.4	10.1	-36.4	NA	NA	NA	2.1
-4.7	1.5	-3.1	141.3	NA	NA	NA	1.8
-4.6	1.7	0.0	95.1	NA	NA	NA	0.5
-4.7	1.1	0.1	16.2	NA	NA	NA	0.3
NA	NA	-1.6	NA	NA	NA	NA	1.0
-4.5	2.0	0.4	57.5	NA	NA	NA	1.0
-4.8	1.6	0.0	55.3	NA	NA	NA	1.0
-4.6	1.6	-0.8	28.1	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.4
-5.4	1.4	-2.1	-40.9	NA	NA	NA	1.0
-5.4	1.2	-0.1	125.8	-4.4	2.2	39.9	1.4
-5.4	1.4	0.8	133.3	-4.4	10.0	78.0	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.1
-4.4	1.8	1.4	-15.7	NA	NA	NA	1.0
-5.4	1.8	0.4	17.8	NA	NA	NA	0.5
-5.2	1.3	0.0	11.7	NA	NA	NA	0.3
NA	NA	1.1	NA	NA	NA	NA	0.7
-4.1	5.7	0.9	-85.5	NA	NA	NA	1.0
-6.4	3.1	0.3	8.8	-4.2	4.6	-31.0	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.1	4.5	1.3	58.0	NA	NA	NA	1.0
-4.1	8.0	20.9	-97.8	NA	NA	NA	2.3
-5.7	2.5	1.1	-33.8	NA	NA	NA	1.0
-5.5	1.2	0.0	140.5	-4.6	2.3	58.5	1.7
-5.6	1.7	-0.4	165.9	-4.7	1.6	67.4	1.7
NA	NA	0.7	NA	NA	NA	NA	1.3
-5.9	5.3	-0.6	15.4	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	0.9
-4.1	8.0	-0.5	17.1	NA	NA	NA	1.0
-7.0	1.6	3.5	30.1	-4.0	1.4	-37.4	1.8
NA	NA	-0.4	NA	NA	NA	NA	0.9
-5.2	3.1	-1.1	20.3	NA	NA	NA	1.5
-5.1	2.3	-0.8	29.9	-4.3	10.0	-6.6	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	0.4
-5.1	0.6	-0.7	34.6	NA	NA	NA	1.0
-4.9	0.7	-0.7	29.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.4
-4.6	5.5	1.9	-82.8	NA	NA	NA	1.0
-4.2	8.0	-0.4	-30.8	NA	NA	NA	1.0
-4.6	3.0	-1.0	64.0	NA	NA	NA	1.0
-4.3	2.0	0.3	-126.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.3	8.0	-5.2	42.9	NA	NA	NA	1.8
-4.3	5.4	-1.9	37.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.7
-4.2	4.9	0.1	-88.5	NA	NA	NA	1.0
-4.3	3.2	0.1	-18.6	NA	NA	NA	1.0
-4.2	7.9	0.0	97.1	NA	NA	NA	1.0
-4.2	4.3	1.3	-111.9	NA	NA	NA	1.1
-4.3	4.7	0.7	-97.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.1	4.2	0.1	133.2	NA	NA	NA	0.4
-4.4	8.0	1.7	-99.5	NA	NA	NA	1.6
-4.3	3.4	0.1	-97.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	5.9	0.0	28.1	NA	NA	NA	0.3
-4.2	3.3	0.8	-129.9	NA	NA	NA	1.5
-4.5	8.0	-0.5	-28.5	NA	NA	NA	1.0
-4.5	3.5	0.8	81.3	NA	NA	NA	1.1
-4.5	3.7	0.3	85.0	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.6
-4.3	6.7	-0.3	-52.6	NA	NA	NA	1.0
-4.4	2.5	-0.8	26.9	NA	NA	NA	1.1
-4.2	4.3	-0.5	80.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.6	2.9	-0.7	45.8	NA	NA	NA	1.9
-4.5	5.7	-0.5	29.7	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.2	8.0	0.0	-58.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.3	52.9	NA	NA	NA	0.5
-4.2	8.0	1.9	-74.9	NA	NA	NA	1.6
-4.3	3.3	-0.9	-60.4	NA	NA	NA	1.2
-4.7	2.3	-0.3	23.2	NA	NA	NA	1.3
-4.3	2.8	0.4	83.6	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.1
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.6	8.0	0.2	32.4	NA	NA	NA	1.7
-4.5	3.7	-0.2	27.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.3	4.4	-0.4	-38.7	NA	NA	NA	1.0
-4.4	2.1	0.3	42.0	NA	NA	NA	1.7
-4.3	2.4	-0.1	74.6	NA	NA	NA	1.5
NA	NA	1.1	NA	NA	NA	NA	1.3
-4.2	8.0	-0.3	-59.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	8.0	0.1	48.6	NA	NA	NA	0.5
-4.2	8.0	2.6	-73.4	NA	NA	NA	2.0
-4.1	8.0	0.2	-48.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.0	8.0	-0.1	25.7	NA	NA	NA	1.0
-4.1	3.7	1.1	-81.8	NA	NA	NA	1.8
-4.6	3.8	2.5	-14.0	NA	NA	NA	1.1
-4.1	2.6	2.3	46.4	NA	NA	NA	1.1
-4.5	3.7	0.4	36.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4
-6.2	1.8	1.7	-22.3	-4.7	10.0	26.4	1.0
-5.5	0.6	-3.4	127.8	-4.5	10.0	-1.0	2.0
-6.1	1.2	-1.1	94.7	-4.6	10.0	5.7	1.5
NA	NA	4.6	NA	NA	NA	NA	2.0
-4.5	7.4	0.5	-79.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	6.9	0.0	39.0	NA	NA	NA	0.4
-4.7	8.0	1.0	-71.6	NA	NA	NA	1.0
-4.8	5.2	0.3	-11.2	NA	NA	NA	1.1
-4.9	2.4	0.2	39.0	-4.4	6.3	-0.7	1.0
-4.9	2.9	-0.1	39.7	-4.3	5.6	0.1	0.9
-4.7	4.0	6.2	-53.2	NA	NA	NA	1.8
NA	NA	1.5	NA	NA	NA	NA	1.0
-4.5	3.1	0.1	83.5	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	-1.0	44.7	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
-5.1	4.0	1.2	43.3	-4.9	0.4	-22.2	1.4
-6.7	1.1	1.1	98.2	-4.7	1.5	-172.6	2.6
-6.8	1.3	1.2	85.0	-5.0	10.0	-31.2	1.8
-4.6	3.3	2.4	-97.6	NA	NA	NA	1.8
-4.5	8.0	-0.9	-69.7	NA	NA	NA	1.0
-4.8	0.6	-0.3	3.9	NA	NA	NA	0.5
-4.4	5.1	0.1	67.1	NA	NA	NA	0.4
-4.2	3.4	0.4	-48.6	NA	NA	NA	1.1
-4.5	8.0	-1.6	-31.7	NA	NA	NA	1.0
-5.0	2.8	-0.5	50.6	-4.7	9.5	11.0	1.0
-5.0	2.7	0.3	41.4	-4.7	10.0	14.8	0.9
NA	NA	2.3	NA	NA	NA	NA	1.7
-4.6	3.4	0.9	-24.1	NA	NA	NA	1.3
-4.6	1.1	0.1	59.0	-4.2	10.0	6.6	1.0
-4.6	1.3	0.0	51.4	-4.1	10.0	7.4	1.0
-4.1	8.0	-1.8	-92.2	NA	NA	NA	1.8
-5.0	8.0	-1.3	-48.3	NA	NA	NA	0.7
-5.3	1.5	0.5	58.6	-4.8	9.3	-12.5	1.0
-5.2	1.6	0.3	55.6	-4.6	6.1	13.0	1.0
-5.2	2.3	3.2	-78.8	NA	NA	NA	1.5
-4.7	1.5	-0.7	-70.9	NA	NA	NA	1.6
-4.7	8.0	-1.2	29.0	NA	NA	NA	1.0
-4.7	4.4	-0.5	90.7	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.5
-5.1	2.8	-1.5	-31.6	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.3
-5.0	1.6	-0.2	27.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.8
-4.7	3.4	0.5	-26.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	2.0	0.0	13.8	NA	NA	NA	0.4
NA	NA	0.7	NA	NA	NA	NA	1.1
-4.8	3.7	-1.1	-33.9	NA	NA	NA	1.0
-4.5	2.4	-0.2	31.2	NA	NA	NA	1.0
-4.5	2.6	0.1	55.3	NA	NA	NA	0.9
NA	NA	-3.6	NA	NA	NA	NA	1.6
-5.1	2.7	-0.3	-16.5	NA	NA	NA	1.0
-4.9	1.6	1.6	88.0	NA	NA	NA	1.2
-5.0	1.8	1.6	76.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.9
NA	NA	-0.9	NA	NA	NA	NA	0.6
-4.6	2.1	0.9	50.3	NA	NA	NA	1.0
-4.6	2.2	0.9	43.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.9	1.7	-27.9	NA	NA	NA	1.0
-4.6	8.0	-0.7	24.4	NA	NA	NA	1.0
-4.5	5.2	-1.3	32.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.2
-6.1	1.8	-0.3	-15.6	NA	NA	NA	0.5
-5.5	1.1	-0.7	110.0	NA	NA	NA	2.0
-5.6	1.2	-0.2	96.8	NA	NA	NA	1.7
NA	NA	0.2	NA	NA	NA	NA	1.8
-4.3	1.9	0.0	-34.9	NA	NA	NA	1.0
-4.9	7.6	-0.2	36.1	-4.3	3.8	0.5	1.0
-5.0	6.7	-0.2	35.5	-4.5	1.4	15.5	0.9
-4.4	1.4	-1.3	-83.1	NA	NA	NA	1.2
-4.8	1.2	0.8	-38.9	NA	NA	NA	1.0
-4.9	0.9	-1.4	96.1	-4.2	10.0	17.7	2.1
-5.0	1.5	-0.5	93.5	-4.4	9.9	37.4	1.1
NA	NA	5.4	NA	NA	NA	NA	1.6
-4.3	8.0	0.8	-40.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.1	5.2	-0.3	27.5	NA	NA	NA	0.5
NA	NA	0.3	NA	NA	NA	NA	1.6
-5.4	0.9	-1.5	-16.1	NA	NA	NA	1.0
-6.6	0.4	-10.1	10.9	NA	NA	NA	2.1
-5.1	0.9	-0.4	33.3	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.2	5.1	0.1	-79.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.2	-0.1	63.7	NA	NA	NA	0.4
-4.5	8.0	2.0	-25.1	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.9
-4.9	2.3	0.6	31.4	-4.0	9.6	-1.8	1.0
-5.0	2.6	-0.2	14.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	1.7
-5.8	3.6	-4.2	70.0	NA	NA	NA	2.0
-4.9	1.1	-0.6	90.3	NA	NA	NA	1.2
-6.9	3.6	0.4	-26.8	NA	NA	NA	2.1
NA	NA	-4.4	NA	NA	NA	NA	1.0
-4.5	2.1	3.1	78.4	NA	NA	NA	1.7
-4.7	1.4	5.1	58.3	NA	NA	NA	1.6
NA	NA	1.1	NA	NA	NA	NA	0.9
-4.3	3.9	-0.6	-35.0	NA	NA	NA	1.0
-4.7	4.9	-1.2	24.9	NA	NA	NA	1.5
-4.4	1.7	-1.3	57.1	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.9
-4.3	2.4	-1.8	-39.2	NA	NA	NA	1.0
-4.6	2.4	0.4	27.1	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.0	0.4	64.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.6
-4.7	8.0	0.7	-19.6	NA	NA	NA	0.7
-4.4	0.8	-1.4	68.5	-4.2	10.0	-47.5	1.6
-4.6	8.0	-0.5	67.8	-4.3	10.0	-4.5	1.2
NA	NA	-1.4	NA	NA	NA	NA	1.8
-4.2	2.8	-1.2	-82.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.2
-4.3	4.8	0.5	40.2	NA	NA	NA	1.0
-4.2	3.0	1.8	-112.5	NA	NA	NA	1.9
-4.3	4.3	-0.8	-25.1	NA	NA	NA	0.5
-4.6	8.0	1.3	30.3	NA	NA	NA	1.2
-4.2	3.1	1.1	62.1	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.3
-4.7	5.9	0.5	-27.7	NA	NA	NA	1.0
-4.8	1.0	-0.8	24.2	NA	NA	NA	1.0
-4.6	2.0	0.1	45.7	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.8
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.7	4.6	1.3	29.8	NA	NA	NA	1.0
-4.8	4.1	0.6	28.8	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	0.6
-4.4	3.1	1.7	44.3	NA	NA	NA	1.2
-4.3	2.3	1.7	55.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.0
NA	NA	-3.2	NA	NA	NA	NA	1.0
-7.9	3.0	0.3	61.6	NA	NA	NA	2.3
-7.9	1.7	1.9	42.8	NA	NA	NA	2.1
-8.2	3.2	2.3	-55.7	NA	NA	NA	1.5
-6.8	8.0	-0.2	-14.3	NA	NA	NA	1.1
-6.8	4.1	-0.3	17.0	NA	NA	NA	1.0
-6.8	6.9	0.5	21.1	NA	NA	NA	1.0
-6.9	7.0	2.0	-51.1	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	1.3
-6.0	0.5	-3.7	85.2	-4.7	9.8	39.9	1.9
-7.3	1.7	-0.8	26.2	NA	NA	NA	1.9
-7.3	1.8	-3.3	-56.1	NA	NA	NA	1.5
-6.5	4.1	-0.5	-10.8	NA	NA	NA	1.4
-6.4	3.4	0.3	33.0	NA	NA	NA	1.0
-6.4	4.2	0.0	37.5	NA	NA	NA	1.0
-6.7	2.4	1.1	-62.9	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.3	1.5	3.1	63.3	NA	NA	NA	1.5
-4.6	8.0	1.8	12.5	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.1	1.8	-0.1	-70.0	NA	NA	NA	1.0
NA	NA	3.7	NA	NA	NA	NA	1.2
-4.3	2.5	2.1	53.9	NA	NA	NA	1.2
-4.3	2.7	0.5	-87.8	NA	NA	NA	1.0
-4.4	8.0	2.8	-31.7	NA	NA	NA	1.1
NA	NA	1.2	NA	NA	NA	NA	0.1
-4.2	4.9	-0.3	21.9	NA	NA	NA	0.5
-4.5	8.0	-0.9	-59.5	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.3	3.5	2.0	55.0	NA	NA	NA	1.6
-4.3	3.5	1.8	58.7	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.6	2.1	-1.2	89.8	NA	NA	NA	1.8
-4.7	1.8	0.5	69.7	NA	NA	NA	1.2
NA	NA	4.2	NA	NA	NA	NA	1.9
-4.8	1.5	0.5	-45.3	NA	NA	NA	1.0
-5.3	3.7	1.3	37.0	-4.4	9.6	3.9	1.5
-5.0	1.7	0.7	70.5	-4.3	2.2	34.1	1.2
NA	NA	-1.4	NA	NA	NA	NA	1.3
-4.2	3.1	-0.9	-112.7	NA	NA	NA	1.1
-4.1	8.0	-1.4	-25.5	NA	NA	NA	1.0
-4.3	6.0	0.1	154.5	NA	NA	NA	1.0
-4.3	5.4	1.5	-99.5	NA	NA	NA	1.7
-5.3	1.1	-0.6	-36.2	NA	NA	NA	1.0
-5.5	1.1	0.4	88.5	NA	NA	NA	1.4
-5.1	1.0	0.9	129.6	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	1.0
-5.4	0.9	1.7	-86.5	NA	NA	NA	1.2
-5.4	2.4	1.2	-28.1	NA	NA	NA	1.2
-4.6	3.6	0.9	79.4	NA	NA	NA	1.2
-5.0	1.4	0.8	-100.9	NA	NA	NA	1.4
-4.9	1.6	-1.1	-56.9	NA	NA	NA	1.5
-6.1	2.0	-9.4	27.7	-5.2	2.2	-112.8	2.4
-6.2	1.4	-4.2	21.4	-5.3	9.3	-1.2	1.6
-5.3	1.8	3.4	-99.3	NA	NA	NA	1.6
-4.2	8.0	3.8	-74.6	NA	NA	NA	1.8
NA	NA	-1.0	NA	NA	NA	NA	0.9
-4.2	8.0	-3.4	109.4	NA	NA	NA	1.2
-4.3	2.3	-2.2	-106.1	NA	NA	NA	1.7
-5.1	1.7	1.9	-86.4	NA	NA	NA	1.0
-6.4	1.8	0.2	15.6	-5.8	3.3	-0.3	0.5
-4.2	0.9	-0.1	135.9	NA	NA	NA	0.7
-6.2	8.0	0.2	11.4	-4.6	3.2	-101.0	1.5
-4.5	0.7	2.5	-91.9	NA	NA	NA	1.7
-6.0	3.0	1.1	82.8	-5.4	3.3	19.5	1.0



ga	gw	zr	tp	la	lw	bt	er
-6.2	8.0	0.0	41.2	NA	NA	NA	1.8
-4.2	4.2	-1.3	-109.2	NA	NA	NA	1.8
-4.4	2.7	-1.5	-81.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.4	8.0	0.1	31.0	NA	NA	NA	0.3
-4.2	3.2	-1.8	-132.1	NA	NA	NA	1.9
-4.8	3.2	1.5	-74.3	NA	NA	NA	1.0
-6.7	8.0	0.1	17.5	-6.0	1.4	-7.6	1.0
-4.5	3.3	-0.1	112.5	NA	NA	NA	1.0
-4.6	1.7	1.3	-110.6	NA	NA	NA	1.6
-4.4	7.0	-0.5	-76.8	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	0.5
-4.4	8.0	0.1	66.4	NA	NA	NA	0.5
-4.6	7.8	-0.4	-80.8	NA	NA	NA	1.4
-4.7	8.0	0.3	-12.2	NA	NA	NA	1.2
-5.2	1.5	0.2	81.9	NA	NA	NA	1.7
-4.8	1.0	-0.4	84.7	-4.1	9.5	20.9	1.2
NA	NA	-0.7	NA	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.7
-4.8	1.1	-4.0	121.6	NA	NA	NA	2.4
-4.8	1.1	-3.3	68.2	NA	NA	NA	1.8
NA	NA	0.9	NA	NA	NA	NA	0.9
-5.3	0.9	1.8	-61.4	NA	NA	NA	1.0
-5.5	1.3	1.2	133.0	-4.7	2.8	-30.6	1.4
-5.4	1.3	0.0	177.5	-4.7	5.4	29.7	1.5
-4.2	6.5	2.8	-104.9	NA	NA	NA	1.2
-4.5	1.0	-1.1	-58.4	NA	NA	NA	1.0
-5.3	8.0	2.6	34.0	-4.2	3.3	-117.3	1.3
-5.1	2.6	1.9	67.6	-4.3	10.0	13.7	1.1
-4.3	8.0	0.4	-94.7	NA	NA	NA	1.5
-4.2	4.1	-1.2	-100.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	3.3	0.5	130.6	NA	NA	NA	0.4
-4.2	8.0	-0.4	-123.0	NA	NA	NA	1.5
-4.5	8.0	0.5	-20.0	NA	NA	NA	1.0
-4.7	3.5	0.0	71.4	-4.3	7.9	24.5	1.0
-4.7	4.9	0.1	58.8	-4.4	3.9	32.7	0.9
NA	NA	-7.6	NA	NA	NA	NA	1.7
-4.9	8.0	2.1	-49.3	NA	NA	NA	1.2
-5.6	3.1	-2.1	113.2	-5.2	10.0	-32.4	1.8
-5.6	3.8	-2.6	121.7	-5.3	10.0	-13.8	1.5
NA	NA	1.4	NA	NA	NA	NA	1.5
NA	NA	-3.5	NA	NA	NA	NA	1.5
-6.2	1.2	-5.0	56.0	NA	NA	NA	2.3
-6.3	1.6	-1.5	36.0	-4.8	10.0	-3.5	1.8
-6.4	7.9	-5.0	-56.7	NA	NA	NA	2.3

ga	gw	zr	tp	la	lw	bt	er
-5.8	6.0	1.0	-33.7	-4.5	9.8	-1.9	1.2
NA	NA	-1.9	NA	NA	NA	NA	0.8
-5.7	8.0	-2.0	26.9	-4.5	10.0	-6.0	1.3
NA	NA	-4.6	NA	NA	NA	NA	2.5
-6.6	2.7	-1.4	-30.9	NA	NA	NA	1.1
-7.1	7.9	-0.6	32.2	-6.4	5.3	2.9	1.0
-7.1	8.0	-0.2	20.3	NA	NA	NA	0.9
-6.6	8.0	1.6	-75.0	-5.5	9.7	9.7	2.4
NA	NA	-1.4	NA	NA	NA	NA	1.5
-5.3	3.7	6.2	100.8	NA	NA	NA	2.1
-5.1	1.4	0.9	102.8	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.7
NA	NA	-3.1	NA	NA	NA	NA	1.6
-5.1	2.1	2.4	119.3	NA	NA	NA	1.9
-5.3	1.5	1.0	72.9	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.9
-4.9	3.2	-0.1	28.8	-4.5	10.0	-1.9	1.0
-5.8	1.1	-0.7	20.9	-4.9	4.7	0.9	1.0
-6.1	8.0	-0.5	7.8	-5.1	10.0	-3.9	1.0
NA	NA	-3.6	NA	NA	NA	NA	1.7
-4.9	0.9	-0.1	-32.9	NA	NA	NA	1.1
-4.9	0.9	-0.1	99.4	-4.3	10.0	-18.6	2.4
-4.9	1.0	0.3	112.5	-4.3	10.0	20.9	1.6
-4.2	5.8	0.8	-79.7	NA	NA	NA	1.5
-4.9	1.4	-0.2	-29.5	NA	NA	NA	1.1
-4.6	1.0	-1.3	119.4	-4.2	10.0	8.7	1.9
-4.8	1.4	0.2	104.6	-4.1	10.0	28.3	1.1
-4.2	4.5	0.3	-101.4	NA	NA	NA	1.5
-5.2	1.2	0.8	-23.1	NA	NA	NA	1.2
-4.8	1.0	0.6	110.3	-4.2	10.0	10.7	2.0
-4.9	1.2	0.4	106.9	-4.2	10.0	21.3	1.4
-4.1	8.0	-2.1	-105.7	NA	NA	NA	1.7
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.4	8.0	-1.2	51.9	NA	NA	NA	1.4
-4.3	4.9	-0.3	55.9	NA	NA	NA	1.0
NA	NA	-7.8	NA	NA	NA	NA	1.5
-4.1	5.0	-1.6	46.7	NA	NA	NA	1.6
-5.0	8.0	2.1	38.2	-4.1	4.3	-133.6	2.0
-4.9	1.1	0.1	64.1	-4.2	10.0	-17.3	1.2
-4.1	3.2	-0.9	-78.4	NA	NA	NA	1.9
-4.3	5.1	-1.9	-87.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.1	5.7	0.1	107.3	NA	NA	NA	0.4
-4.3	2.3	0.6	-130.1	NA	NA	NA	1.0
NA	NA	-5.7	NA	NA	NA	NA	1.2
-8.4	4.2	1.9	88.1	-7.7	2.0	-2.6	1.0

ga	gw	zr	tp	la	lw	bt	er
-8.5	3.7	1.4	53.2	-7.5	1.6	-0.8	1.0
NA	NA	8.4	NA	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	0.1
-4.7	1.0	2.8	57.0	NA	NA	NA	1.5
-4.6	1.3	1.8	33.9	NA	NA	NA	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.0
-5.2	5.4	-1.0	35.8	NA	NA	NA	1.8
-4.5	2.0	-0.1	45.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.7
NA	NA	0.9	NA	NA	NA	NA	1.2
-5.0	8.0	2.4	35.6	-4.5	9.5	3.2	1.1
-4.9	7.9	0.6	35.9	-3.7	0.4	5.4	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.4	3.5	1.4	-80.2	NA	NA	NA	1.0
-4.1	8.0	-2.7	-25.4	NA	NA	NA	1.0
-4.5	3.1	-1.9	69.4	NA	NA	NA	1.0
-4.3	4.2	0.6	-85.3	NA	NA	NA	1.0
-4.4	5.3	1.5	-31.9	NA	NA	NA	1.0
-4.8	4.4	-3.1	20.5	NA	NA	NA	1.6
-4.3	3.8	-1.3	82.2	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.5
-4.2	5.0	1.0	-85.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	5.2	0.1	46.1	NA	NA	NA	0.4
-4.2	8.0	1.3	-72.5	NA	NA	NA	1.0
-4.4	5.0	0.6	-76.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.2	0.1	31.2	NA	NA	NA	0.3
-4.4	8.0	1.1	-102.0	NA	NA	NA	1.3
-4.3	2.6	-0.2	-83.2	NA	NA	NA	1.0
-4.2	8.0	1.6	-28.2	NA	NA	NA	1.0
-4.3	2.8	1.6	80.4	NA	NA	NA	1.0
-4.4	8.0	-1.6	-55.5	NA	NA	NA	1.1
-4.3	4.1	0.8	-43.9	NA	NA	NA	1.4
-4.7	0.9	1.1	56.9	-4.2	10.0	2.4	2.1
-4.7	1.9	0.5	41.7	NA	NA	NA	1.6
-4.2	2.3	-7.3	-89.5	NA	NA	NA	2.1
-4.3	3.6	-1.9	-75.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	4.1	0.2	15.5	NA	NA	NA	0.3
-4.4	8.0	-0.6	-58.4	NA	NA	NA	1.5
-4.3	8.0	1.6	-31.9	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.4
-4.1	5.9	0.5	32.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.0	NA	NA	NA	NA	0.9
-4.1	8.0	-4.6	50.5	NA	NA	NA	2.0
NA	NA	-1.6	NA	NA	NA	NA	1.5
NA	NA	1.4	NA	NA	NA	NA	0.9
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.4	1.7	-0.7	43.4	NA	NA	NA	1.7
-4.5	2.6	-0.3	36.8	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0
-5.1	1.5	-0.3	-23.2	NA	NA	NA	1.0
-5.3	1.3	0.1	63.8	-4.3	9.4	24.0	1.9
-5.2	1.6	0.6	65.9	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	1.4
-4.9	1.7	0.2	-26.9	NA	NA	NA	1.2
-5.2	1.8	-1.3	67.3	-4.6	9.9	39.2	2.1
-5.0	1.9	0.6	75.0	NA	NA	NA	1.3
NA	NA	1.6	NA	NA	NA	NA	1.8
-5.0	1.5	0.1	-25.8	NA	NA	NA	1.0
-5.6	1.8	-1.1	42.2	-4.0	10.0	7.3	1.9
-5.2	1.6	-0.4	62.7	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	1.4
-5.1	1.3	0.4	-18.2	NA	NA	NA	1.0
-5.2	1.3	-3.9	54.9	NA	NA	NA	1.4
-4.5	0.9	-2.8	86.9	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.3
-5.1	1.1	-0.4	41.2	NA	NA	NA	1.9
-4.8	1.9	0.1	37.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	0.8
-4.1	4.3	-3.1	60.1	NA	NA	NA	1.6
-4.2	4.1	-0.5	24.9	NA	NA	NA	0.7
NA	NA	0.2	NA	NA	NA	NA	1.5
-5.5	0.9	0.4	-19.8	NA	NA	NA	1.0
-5.5	0.8	-1.6	61.8	NA	NA	NA	2.0
-5.2	0.8	-0.4	71.1	NA	NA	NA	1.2
NA	NA	0.9	NA	NA	NA	NA	1.5
-5.4	1.0	-0.5	-23.9	NA	NA	NA	1.0
-5.3	0.8	0.2	69.4	NA	NA	NA	1.8
-5.3	1.1	0.8	78.2	NA	NA	NA	1.3
NA	NA	2.0	NA	NA	NA	NA	1.5
-5.4	0.9	0.0	-23.5	NA	NA	NA	1.2
-5.8	1.7	0.0	43.1	NA	NA	NA	2.0
-5.2	0.8	-0.6	74.7	NA	NA	NA	1.6
NA	NA	-2.6	NA	NA	NA	NA	1.7
NA	NA	1.6	NA	NA	NA	NA	1.0
-4.4	8.0	-3.0	40.9	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-2.3	NA	NA	NA	NA	0.8
NA	NA	0.7	NA	NA	NA	NA	0.9
NA	NA	1.7	NA	NA	NA	NA	0.9
-4.7	2.9	2.1	32.0	NA	NA	NA	1.4
-4.2	4.3	0.6	37.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.0
-5.1	0.9	-1.9	-20.9	NA	NA	NA	0.8
-4.4	1.0	0.0	92.2	NA	NA	NA	2.1
-5.2	0.9	1.2	52.3	NA	NA	NA	1.1
NA	NA	-2.0	NA	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.1	1.3	-0.3	107.3	NA	NA	NA	1.9
-4.2	1.2	-0.5	65.4	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.3	1.7	2.0	109.9	NA	NA	NA	1.7
-4.3	1.7	0.9	91.2	NA	NA	NA	1.1
NA	NA	-1.1	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.2	1.3	0.5	101.1	NA	NA	NA	1.8
-4.3	1.5	0.5	72.5	NA	NA	NA	1.2
NA	NA	-1.6	NA	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	0.9
-4.2	1.7	1.7	59.5	NA	NA	NA	1.2
-4.7	4.1	1.2	11.8	NA	NA	NA	0.6
NA	NA	3.0	NA	NA	NA	NA	1.7
NA	NA	1.0	NA	NA	NA	NA	1.0
-5.0	2.7	1.5	50.9	NA	NA	NA	1.6
-4.3	1.5	0.9	67.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.1	4.1	-6.2	70.2	NA	NA	NA	1.4
-4.2	4.4	-2.1	49.0	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	0.9
-4.2	8.0	-1.2	-44.5	NA	NA	NA	1.7
-4.6	4.4	0.3	40.7	-4.1	5.9	-0.7	1.0
-4.6	5.9	0.6	43.9	NA	NA	NA	0.9
NA	NA	-4.5	NA	NA	NA	NA	1.7
-4.2	2.8	-0.3	-67.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	4.2	-0.1	96.8	NA	NA	NA	1.0
-4.4	8.0	2.6	-67.9	NA	NA	NA	1.6
-4.2	5.3	0.5	-91.4	NA	NA	NA	1.0
-4.6	7.2	-0.4	36.7	-4.4	10.0	-11.4	1.4
-4.5	8.0	-0.3	38.0	NA	NA	NA	1.1
-4.1	8.0	-1.7	-59.5	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.2	NA	NA	NA	NA	1.1
-5.6	2.9	-0.5	56.4	-4.5	10.0	29.5	1.0
-5.5	3.3	-1.5	47.3	-4.6	5.1	27.3	0.9
NA	NA	1.2	NA	NA	NA	NA	1.9
-4.2	6.7	-1.5	-61.0	NA	NA	NA	1.0
-4.4	1.5	-2.7	33.9	NA	NA	NA	1.5
-4.2	3.8	-1.3	130.6	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.8
-6.2	8.0	-2.1	-22.4	-4.6	1.7	-3.3	1.1
-6.3	5.1	-2.4	41.2	-4.8	9.1	17.2	1.0
-6.2	5.1	-1.4	39.7	-4.5	4.8	9.4	1.2
-6.2	2.8	-1.1	-51.0	NA	NA	NA	1.1
-6.1	8.0	0.6	12.2	NA	NA	NA	1.3
-5.9	2.3	0.3	37.6	NA	NA	NA	1.0
-6.0	1.9	-0.7	18.2	NA	NA	NA	1.0
-6.1	1.2	2.4	-33.6	NA	NA	NA	1.8
-6.1	8.0	0.6	-28.2	-4.5	2.1	3.6	1.1
-6.1	5.2	1.0	52.1	-4.6	3.4	6.4	1.2
-6.0	4.9	1.3	54.3	-4.6	3.5	6.1	1.3
-6.4	2.0	1.0	-53.5	NA	NA	NA	1.6
NA	NA	1.8	NA	NA	NA	NA	1.1
-4.2	1.9	3.8	77.2	NA	NA	NA	2.1
-4.1	5.4	-0.5	33.4	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.6
-5.5	0.4	2.2	-19.2	NA	NA	NA	1.0
-6.2	2.2	4.5	63.3	-4.8	0.4	21.7	1.3
-6.2	3.4	0.6	41.7	NA	NA	NA	1.0
-6.2	8.0	1.9	-28.7	NA	NA	NA	1.7
-5.0	0.9	2.1	-88.5	NA	NA	NA	1.0
-5.3	8.0	-0.2	-34.0	NA	NA	NA	1.2
-5.5	1.4	-1.3	38.7	-5.3	10.0	1.9	1.4
-4.5	3.7	-0.7	-87.1	NA	NA	NA	1.1
-4.2	1.8	-2.5	-78.0	NA	NA	NA	1.9
-5.5	3.3	-5.4	54.8	-4.7	6.2	-130.4	2.6
-5.7	8.0	-0.9	51.1	-4.9	4.0	-28.4	1.5
-5.0	2.4	-0.6	-97.4	NA	NA	NA	1.7
-4.5	2.3	1.2	-55.7	NA	NA	NA	1.6
-6.1	3.0	0.6	18.0	-5.2	2.6	-16.9	1.0
-4.4	5.8	0.2	39.9	NA	NA	NA	1.0
-5.3	2.1	0.2	-75.2	NA	NA	NA	1.9
-5.0	3.7	-0.6	-81.2	NA	NA	NA	1.0
-4.9	2.8	0.4	-4.5	NA	NA	NA	0.5
-4.7	3.4	0.3	95.8	NA	NA	NA	0.4
-5.3	1.9	-0.2	-100.3	NA	NA	NA	1.5
-5.3	2.7	0.2	-70.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1

ga	gw	zr	tp	la	lw	bt	er
-5.1	1.7	0.0	80.6	NA	NA	NA	0.9
-5.6	3.4	-1.8	-89.3	NA	NA	NA	1.5
-4.3	1.4	1.1	-85.7	NA	NA	NA	1.2
-5.9	5.2	1.1	27.2	-5.4	9.2	-10.1	1.0
-4.2	3.0	1.0	69.0	NA	NA	NA	1.0
-5.4	1.7	5.5	-92.4	NA	NA	NA	1.7
-4.9	1.9	1.4	-27.9	NA	NA	NA	1.0
-4.8	1.5	-0.8	44.7	NA	NA	NA	1.1
-4.7	1.8	-1.1	57.5	NA	NA	NA	1.1
-4.4	1.5	-0.2	-78.0	NA	NA	NA	1.0
-6.4	1.2	-0.8	-23.2	NA	NA	NA	1.0
-6.0	1.1	-7.4	99.7	NA	NA	NA	2.3
-5.9	1.3	-1.6	99.0	-3.9	2.4	70.2	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.5
-4.4	2.1	-2.1	-28.4	NA	NA	NA	1.0
-4.8	8.0	-5.3	49.4	NA	NA	NA	1.8
-4.4	1.7	-1.1	93.3	NA	NA	NA	1.1
NA	NA	-2.4	NA	NA	NA	NA	1.3
NA	NA	1.2	NA	NA	NA	NA	0.4
-4.4	3.3	-0.9	78.4	NA	NA	NA	1.4
-4.3	2.8	-1.5	71.6	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	0.7
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.1	0.7	0.1	133.1	NA	NA	NA	1.6
-4.5	0.9	0.0	79.2	NA	NA	NA	1.0
NA	NA	-3.6	NA	NA	NA	NA	1.9
-5.8	3.0	1.1	-14.0	NA	NA	NA	1.0
-5.0	0.8	-0.2	100.3	NA	NA	NA	1.4
-4.6	0.7	-0.4	112.0	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.4	1.9	-0.6	-66.3	NA	NA	NA	1.0
-5.2	3.3	0.1	32.0	-4.3	3.6	-1.8	1.2
-4.8	1.6	0.0	55.7	NA	NA	NA	1.1
-4.3	2.8	0.1	-63.2	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.1
-4.5	1.5	-1.0	53.3	NA	NA	NA	1.9
-4.3	1.7	-0.1	48.0	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	1.6
-4.3	1.6	-1.1	-67.6	NA	NA	NA	1.4
-5.2	1.6	-0.6	39.7	-4.4	4.6	0.3	1.7
-4.8	1.1	-0.5	60.9	NA	NA	NA	1.4
-4.3	2.9	0.1	-67.4	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.6	1.9	-0.9	47.2	NA	NA	NA	1.7
-4.2	2.0	-0.5	61.6	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.6	0.6	-81.1	NA	NA	NA	1.0
-5.3	2.4	-1.0	33.0	-4.4	8.0	-0.6	1.5
-4.9	1.3	-1.1	57.5	NA	NA	NA	1.4
-4.4	3.0	-1.1	-56.8	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	1.1
-4.8	2.2	-1.9	33.4	NA	NA	NA	1.7
-4.7	1.7	-1.9	21.9	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.4
-4.7	6.2	-0.3	-74.1	NA	NA	NA	1.4
-5.2	3.3	-1.0	-20.1	NA	NA	NA	1.2
-4.9	8.0	0.1	60.5	-4.7	1.2	35.5	1.0
-4.5	5.8	1.3	-95.1	NA	NA	NA	1.2
-4.7	0.8	-0.2	-79.9	NA	NA	NA	1.2
-6.1	4.0	-3.0	48.3	-4.7	10.0	-162.0	2.1
-5.7	1.6	-0.4	68.6	-4.7	10.0	-18.2	1.4
-4.7	1.9	0.7	-114.5	NA	NA	NA	1.1
-4.6	3.1	-1.7	-105.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	4.4	0.3	98.4	NA	NA	NA	0.4
-4.5	8.0	4.2	-128.4	NA	NA	NA	2.0
-4.5	4.1	-1.9	-67.0	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	0.1
-4.4	6.5	0.0	37.9	NA	NA	NA	0.5
-4.7	8.0	2.7	-92.9	NA	NA	NA	1.8
-4.7	2.8	2.1	-77.3	NA	NA	NA	1.0
-5.0	8.0	-0.1	7.8	NA	NA	NA	0.5
-4.7	4.9	-0.3	31.8	NA	NA	NA	0.3
-4.7	8.0	1.5	-81.0	NA	NA	NA	1.5
-4.6	2.2	1.2	-50.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.4
-4.6	3.4	-1.2	44.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
-4.7	1.5	-0.8	-85.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.7	1.6	1.4	33.8	NA	NA	NA	1.2
NA	NA	-1.2	NA	NA	NA	NA	1.4
-4.7	3.6	0.3	-41.8	NA	NA	NA	1.0
-4.4	6.3	2.0	-96.2	NA	NA	NA	1.5
-4.9	8.0	1.1	34.7	-4.6	9.2	-29.2	1.0
-4.6	8.0	-1.2	-87.1	NA	NA	NA	1.5
-5.0	1.4	-1.2	-43.7	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.5
-5.1	1.9	0.9	24.1	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.5
-4.6	2.5	-0.2	-93.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.5	2.1	-0.1	48.3	NA	NA	NA	0.4
NA	NA	-3.0	NA	NA	NA	NA	1.5
-4.7	2.6	-1.0	-55.0	NA	NA	NA	1.0
-5.0	3.1	0.1	26.2	NA	NA	NA	1.0
-4.7	2.4	0.1	78.9	NA	NA	NA	0.9
-4.5	8.0	3.9	-57.1	NA	NA	NA	1.7
-4.7	1.7	-0.8	-79.7	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	2.4	0.1	16.7	NA	NA	NA	0.3
NA	NA	-0.3	NA	NA	NA	NA	1.5
-4.4	3.9	-0.3	-41.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.6	7.1	0.1	22.8	NA	NA	NA	0.5
NA	NA	-1.2	NA	NA	NA	NA	1.6
-5.9	1.6	-1.0	-22.2	NA	NA	NA	1.2
-5.5	0.8	-0.2	98.8	-4.9	9.7	70.8	2.2
-5.8	1.3	1.3	77.6	NA	NA	NA	1.6
NA	NA	1.3	NA	NA	NA	NA	1.9
-5.8	1.3	0.1	-23.4	NA	NA	NA	1.1
-5.3	0.9	-0.7	104.1	-4.6	8.5	76.1	2.1
-5.5	1.1	0.5	89.7	NA	NA	NA	1.5
NA	NA	3.3	NA	NA	NA	NA	2.0
-6.0	1.2	-0.5	-23.0	NA	NA	NA	1.1
-6.0	1.1	-0.8	78.5	NA	NA	NA	2.1
-5.8	1.0	-0.3	91.7	NA	NA	NA	1.4
NA	NA	4.2	NA	NA	NA	NA	1.9
NA	NA	-2.7	NA	NA	NA	NA	1.0
-4.2	2.9	2.2	71.5	NA	NA	NA	1.5
-4.3	2.1	2.9	51.0	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.5
NA	NA	-1.2	NA	NA	NA	NA	0.9
-5.0	2.2	-1.2	31.1	-4.0	10.0	-2.3	1.4
-4.7	1.0	0.3	30.1	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.6	8.0	-0.3	22.6	NA	NA	NA	1.9
-4.6	8.0	1.8	18.4	NA	NA	NA	1.6
NA	NA	-1.0	NA	NA	NA	NA	1.5
-6.3	2.5	0.5	-15.8	NA	NA	NA	1.3
-6.5	1.6	1.7	55.6	NA	NA	NA	2.1
-6.3	1.4	0.3	42.8	NA	NA	NA	1.4
NA	NA	-0.4	NA	NA	NA	NA	1.8
NA	NA	-1.0	NA	NA	NA	NA	1.3
-7.2	8.0	-0.2	65.9	-4.6	2.1	12.1	2.4
-7.2	8.0	1.1	70.6	-5.5	0.8	7.0	2.2
NA	NA	0.0	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-2.5	NA	NA	NA	NA	1.6
-4.3	1.7	-3.2	126.8	NA	NA	NA	1.7
-4.3	2.1	-1.7	97.7	NA	NA	NA	1.5
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.1	6.4	0.2	-40.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.0	1.9	0.2	35.4	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.8
-5.2	8.0	2.6	34.9	NA	NA	NA	1.7
-5.5	8.0	2.8	68.5	-5.2	10.0	-111.6	2.3
-5.5	8.0	-0.3	35.3	-5.2	6.6	-64.1	1.5
-4.4	0.4	2.6	-84.2	NA	NA	NA	1.8
-4.3	1.9	-1.1	-80.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	3.0	0.4	48.2	NA	NA	NA	0.4
-4.5	8.0	1.5	-89.8	NA	NA	NA	1.5
-5.1	8.0	0.3	-24.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.2
-5.1	7.6	-0.2	22.4	-4.8	10.0	8.7	0.9
NA	NA	-6.7	NA	NA	NA	NA	1.9
-5.1	0.9	0.0	-49.1	NA	NA	NA	1.0
-4.9	1.3	0.0	-18.8	NA	NA	NA	1.0
-4.4	0.6	-0.2	25.4	NA	NA	NA	1.0
-4.2	2.0	-3.9	-72.3	NA	NA	NA	1.9
-4.3	2.8	0.5	-45.3	NA	NA	NA	1.0
-4.2	3.6	-2.1	25.6	NA	NA	NA	1.5
-4.2	4.5	-1.8	51.5	NA	NA	NA	1.3
NA	NA	-3.6	NA	NA	NA	NA	1.8
-5.8	1.8	-1.5	-33.1	NA	NA	NA	1.0
-5.8	1.9	1.9	96.7	-4.8	9.9	72.4	1.3
-5.7	1.9	2.0	128.2	-4.3	1.5	41.9	1.1
NA	NA	-1.1	NA	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	0.8
-5.1	2.0	0.3	22.3	NA	NA	NA	0.5
-5.0	1.8	0.4	12.9	NA	NA	NA	0.3
NA	NA	-1.2	NA	NA	NA	NA	1.0
-5.4	3.1	1.3	16.3	NA	NA	NA	1.2
-4.6	0.7	1.8	17.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.4
NA	NA	6.7	NA	NA	NA	NA	2.2
-4.4	1.5	0.5	-56.5	NA	NA	NA	1.0
-4.8	1.9	-0.4	48.4	-4.3	10.0	2.7	1.0
-4.7	2.0	-0.7	71.4	-4.1	10.0	24.9	1.0
NA	NA	-5.7	NA	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.3
-5.1	8.0	2.6	51.4	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.9	3.7	1.1	56.4	-4.4	10.0	15.0	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.7
-4.5	1.2	0.0	-56.6	NA	NA	NA	1.0
-5.1	1.3	1.4	45.5	-4.4	9.0	3.8	1.3
-4.9	1.4	1.0	64.9	-4.2	3.7	20.4	1.1
NA	NA	-1.4	NA	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.8
-4.2	2.0	1.0	110.7	NA	NA	NA	1.3
-4.7	8.0	-0.1	32.9	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.9	4.6	-0.7	115.1	-4.4	8.4	5.9	1.9
-4.9	8.0	0.3	62.6	-4.6	5.1	-3.2	1.0
-4.8	1.3	4.0	-36.0	NA	NA	NA	1.3
-4.5	1.4	-0.7	-34.8	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.8
-4.7	0.9	0.0	16.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.3
-5.2	8.0	0.6	-13.4	NA	NA	NA	1.0
-4.8	2.0	-3.7	55.9	NA	NA	NA	1.9
-4.6	1.4	-2.0	73.3	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	0.9
-4.7	0.8	-0.1	62.1	-4.2	10.0	7.8	1.3
-4.7	1.3	-0.8	44.8	-4.1	10.0	1.3	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4
-4.4	2.7	2.3	-42.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	2.6	-0.3	14.6	NA	NA	NA	0.4
-4.5	8.0	0.3	-55.9	NA	NA	NA	1.2
-4.6	0.8	0.3	-23.7	NA	NA	NA	1.0
-5.1	1.3	0.7	65.4	NA	NA	NA	1.6
-4.6	0.9	0.6	80.2	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.5
-5.9	0.5	4.0	-23.7	NA	NA	NA	1.1
-5.0	0.7	0.0	100.8	NA	NA	NA	2.2
-5.0	0.6	-0.4	100.1	-4.2	10.0	18.5	1.5
NA	NA	-1.0	NA	NA	NA	NA	2.0
-4.5	3.5	0.7	-78.2	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.4	6.7	0.7	23.2	NA	NA	NA	1.0
-4.4	8.0	-0.7	-84.7	NA	NA	NA	1.3
-5.4	1.4	-0.4	-24.5	-4.3	4.8	2.8	1.0
-5.3	0.5	-1.8	81.5	-4.2	10.0	14.1	1.8
-5.2	0.6	-1.2	90.3	-4.2	10.0	16.3	1.2
NA	NA	1.7	NA	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.2	-0.8	-20.4	NA	NA	NA	0.5
-4.6	8.0	2.0	31.2	NA	NA	NA	1.5
-4.4	2.6	1.4	42.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.7
-4.1	3.1	0.6	-40.2	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.4
-4.1	5.0	-0.3	37.0	NA	NA	NA	0.5
NA	NA	-0.9	NA	NA	NA	NA	1.7
-5.2	1.0	-1.2	-17.4	NA	NA	NA	1.1
-5.0	1.3	3.0	55.6	NA	NA	NA	2.0
-5.0	1.2	3.1	55.5	NA	NA	NA	1.9
NA	NA	-3.2	NA	NA	NA	NA	1.5
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.3	8.0	2.3	43.6	NA	NA	NA	2.0
-4.1	3.5	0.1	63.4	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.3	8.0	-0.4	29.6	NA	NA	NA	1.0
-4.2	8.0	0.2	18.7	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	2.0
NA	NA	0.8	NA	NA	NA	NA	1.5
-5.1	8.0	2.6	15.8	NA	NA	NA	1.4
-4.7	8.0	0.7	21.7	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.7
NA	NA	-1.7	NA	NA	NA	NA	1.2
-5.4	1.4	-2.8	107.6	NA	NA	NA	2.0
-5.6	1.9	-0.7	64.5	NA	NA	NA	1.2
-5.3	0.8	0.3	-56.5	NA	NA	NA	1.7
-5.2	2.3	-0.2	-23.8	NA	NA	NA	1.1
-5.2	3.7	-1.6	73.6	-3.1	8.1	23.6	1.1
-5.2	3.0	-0.8	77.3	NA	NA	NA	1.0
-6.1	8.0	0.9	-28.1	NA	NA	NA	1.6
-4.7	6.9	0.5	-25.5	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
-4.4	3.5	1.2	70.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.5	2.6	-1.5	-48.2	NA	NA	NA	1.0
-4.8	5.1	0.5	13.7	NA	NA	NA	0.5
-4.6	3.4	0.3	39.3	NA	NA	NA	0.9
NA	NA	0.6	NA	NA	NA	NA	2.1
-4.5	5.4	1.5	-61.2	NA	NA	NA	1.1
-5.2	1.8	0.5	20.3	-4.4	10.0	-19.9	1.2
-4.7	1.6	-1.1	34.8	NA	NA	NA	1.0
-4.5	5.9	0.0	-81.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.6	2.2	-0.4	49.1	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.5	-0.5	48.7	NA	NA	NA	1.0
NA	NA	-3.4	NA	NA	NA	NA	1.3
-8.1	8.0	-13.9	-46.9	-7.1	1.5	-1.2	1.2
-8.4	5.2	-32.9	74.9	-7.1	1.5	1.9	1.6
-8.1	6.0	-18.0	154.6	-7.3	1.4	2.5	1.6
NA	NA	3.6	NA	NA	NA	NA	1.8
NA	NA	-1.6	NA	NA	NA	NA	1.0
-4.6	8.0	-0.8	17.5	NA	NA	NA	1.5
-4.6	6.8	0.4	25.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.8
NA	NA	-1.9	NA	NA	NA	NA	0.9
-5.9	5.4	-1.0	26.7	NA	NA	NA	1.5
-5.4	1.7	0.8	26.3	-4.2	1.5	-15.6	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
-4.1	3.2	-1.2	-28.1	NA	NA	NA	1.2
-4.4	0.6	-1.1	79.3	NA	NA	NA	2.0
-4.3	1.0	-0.5	77.9	NA	NA	NA	1.4
NA	NA	-0.8	NA	NA	NA	NA	1.1
-5.7	1.6	-1.0	-17.9	NA	NA	NA	1.0
-6.1	3.1	4.5	81.4	NA	NA	NA	2.1
-6.0	2.2	2.8	69.2	NA	NA	NA	1.8
NA	NA	2.5	NA	NA	NA	NA	1.8
-4.3	1.5	-1.8	-45.7	NA	NA	NA	1.0
-4.6	2.0	-0.4	28.0	-4.0	10.0	-12.5	1.0
-4.6	1.8	0.1	31.0	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	2.1
-6.0	1.5	1.0	-18.7	-4.1	10.0	5.0	1.2
-5.5	0.7	1.6	149.5	-4.3	10.0	18.9	2.3
-5.8	1.4	2.5	90.4	-4.3	10.0	17.0	1.6
NA	NA	-0.6	NA	NA	NA	NA	2.0
-4.2	0.5	2.1	-55.4	NA	NA	NA	1.1
-5.1	8.0	1.1	25.6	-4.2	10.0	-2.6	1.0
-4.8	1.1	-0.7	40.3	-4.0	10.0	5.0	1.0
NA	NA	5.0	NA	NA	NA	NA	2.0
-8.3	1.7	-18.1	0.4	NA	NA	NA	1.0
-8.6	8.0	-2.6	33.0	-7.9	1.6	0.5	1.0
NA	NA	0.4	NA	NA	NA	NA	0.4
NA	NA	-0.8	NA	NA	NA	NA	1.8
NA	NA	-0.2	NA	NA	NA	NA	1.2
-5.0	2.4	-1.2	22.1	NA	NA	NA	1.3
-5.2	7.5	-0.9	13.0	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.3
-4.5	8.0	0.5	38.2	NA	NA	NA	1.0
-5.1	0.9	-3.9	173.6	NA	NA	NA	2.0
-5.3	2.4	-0.1	47.5	-4.4	10.0	16.8	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.3	-1.2	91.9	NA	NA	NA	1.0
-4.6	1.1	-0.7	137.3	NA	NA	NA	1.0
-4.3	0.5	-0.2	27.4	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.9
-4.4	4.7	0.3	15.6	NA	NA	NA	1.0
-4.5	1.6	0.0	60.0	NA	NA	NA	0.5
-4.5	1.8	-0.1	31.8	NA	NA	NA	0.4
NA	NA	1.9	NA	NA	NA	NA	1.3
-4.5	5.8	5.1	21.8	NA	NA	NA	1.1
-4.4	1.5	0.7	116.6	NA	NA	NA	1.0
-4.5	1.2	-1.6	52.0	NA	NA	NA	0.9
NA	NA	-4.0	NA	NA	NA	NA	1.5
-4.4	1.8	-1.3	44.7	NA	NA	NA	1.2
-4.4	1.3	-0.1	35.4	NA	NA	NA	0.5
NA	NA	0.2	NA	NA	NA	NA	0.0
NA	NA	-1.5	NA	NA	NA	NA	1.4
-4.3	2.0	0.4	29.8	NA	NA	NA	1.0
-4.7	1.1	0.0	77.4	NA	NA	NA	1.0
-5.0	1.4	-0.2	27.5	NA	NA	NA	1.0
NA	NA	-3.7	NA	NA	NA	NA	1.8
-4.0	1.0	-0.3	122.9	NA	NA	NA	1.4
-4.1	0.6	-0.7	327.2	NA	NA	NA	2.2
-5.0	0.7	-0.6	34.9	-4.0	10.0	-7.2	1.0
NA	NA	0.2	NA	NA	NA	NA	1.9
-4.8	1.4	0.5	127.9	NA	NA	NA	1.4
-4.9	1.1	0.8	154.9	NA	NA	NA	1.3
-5.7	3.5	1.1	10.0	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.8
-4.5	8.0	-0.2	34.1	NA	NA	NA	1.0
-4.8	1.3	0.3	47.0	NA	NA	NA	0.5
-4.7	1.4	0.1	33.8	NA	NA	NA	0.4
NA	NA	4.8	NA	NA	NA	NA	1.1
-4.5	1.2	0.5	71.7	NA	NA	NA	1.1
-4.8	0.9	-0.3	126.1	NA	NA	NA	1.0
-5.4	1.1	-0.2	35.4	NA	NA	NA	0.9
NA	NA	-3.3	NA	NA	NA	NA	1.8
-4.7	2.1	0.2	90.0	NA	NA	NA	1.0
-4.5	1.0	0.2	75.4	NA	NA	NA	0.5
-4.7	0.7	0.0	12.9	NA	NA	NA	0.3
NA	NA	0.6	NA	NA	NA	NA	1.6
-4.2	4.1	0.0	56.7	NA	NA	NA	1.0
-4.3	0.8	0.6	142.9	NA	NA	NA	1.0
-4.8	1.1	0.5	41.7	-4.0	4.8	6.8	1.0
NA	NA	0.1	NA	NA	NA	NA	1.8
-4.8	1.7	0.2	-89.2	NA	NA	NA	1.2
-4.5	8.0	1.4	-34.2	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	0.6	0.2	44.0	NA	NA	NA	1.6
-4.5	8.0	0.4	-96.1	NA	NA	NA	1.2
-4.6	1.8	-1.5	-76.8	NA	NA	NA	1.0
-4.7	3.0	-2.0	-89.9	NA	NA	NA	1.6
-5.1	6.1	0.7	24.3	-4.8	9.8	0.3	0.9
-4.5	2.3	-5.1	-133.0	NA	NA	NA	1.6
-4.8	1.4	0.6	-74.0	NA	NA	NA	1.0
-4.6	2.3	-0.7	-16.7	NA	NA	NA	1.0
-4.7	1.8	-0.7	51.7	NA	NA	NA	1.0
-4.5	8.0	-1.3	-79.0	NA	NA	NA	1.5
-4.7	3.9	1.7	-67.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	2.9	0.0	42.4	NA	NA	NA	0.4
-4.5	8.0	-3.0	-41.5	NA	NA	NA	1.3
-4.7	1.8	0.5	-85.3	NA	NA	NA	1.2
-5.0	2.2	-0.2	22.9	-4.3	8.7	-16.3	1.0
-4.7	2.3	-0.1	130.1	NA	NA	NA	0.9
-4.5	2.6	-0.9	-93.9	NA	NA	NA	2.3
-4.6	1.7	-1.3	-88.4	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	3.5	0.3	18.9	NA	NA	NA	0.3
-4.6	8.0	-1.2	-90.3	NA	NA	NA	1.4
-4.4	4.9	-0.5	-84.6	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.2
-4.3	8.0	-0.4	53.4	NA	NA	NA	1.0
-4.4	5.5	-0.8	-125.7	NA	NA	NA	1.3
-4.9	2.6	-2.0	-27.0	NA	NA	NA	1.0
-4.9	1.0	-1.3	115.3	NA	NA	NA	1.3
-4.8	1.6	0.4	118.1	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	1.2
-4.6	0.8	-3.6	-58.3	NA	NA	NA	1.1
-5.1	2.5	-2.0	88.9	NA	NA	NA	1.6
-4.8	1.3	-0.5	153.8	NA	NA	NA	1.6
NA	NA	-3.0	NA	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	1.1
-5.7	1.5	0.0	108.0	-4.7	10.0	69.0	1.0
-5.4	1.2	0.2	84.6	-4.4	4.3	46.2	1.0
-6.1	4.5	-0.5	-58.0	NA	NA	NA	1.2
-4.4	2.3	1.5	-20.4	NA	NA	NA	1.1
-5.1	2.1	-0.1	15.6	NA	NA	NA	1.0
-4.4	1.2	-0.7	37.3	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.9
-4.3	2.7	0.1	-33.1	NA	NA	NA	1.0
-4.4	1.5	0.7	40.1	NA	NA	NA	1.0
-4.3	2.2	0.5	57.6	NA	NA	NA	0.9
NA	NA	-7.3	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.1	2.0	-19.3	NA	NA	NA	1.0
-5.1	4.7	2.6	48.1	NA	NA	NA	1.5
-4.5	1.2	-1.6	70.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.3	5.4	0.1	81.2	NA	NA	NA	1.2
-4.2	2.6	0.6	60.2	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	0.7
NA	NA	-1.4	NA	NA	NA	NA	0.9
-4.4	1.3	-1.6	91.7	NA	NA	NA	1.5
-4.4	1.1	-0.1	62.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.3
-4.8	7.1	1.8	-31.2	NA	NA	NA	1.6
-5.7	8.0	-1.2	11.7	-5.2	10.0	-102.4	1.7
-5.3	8.0	-2.1	-56.1	-4.6	2.1	-25.0	1.3
-5.2	3.4	-1.8	-95.6	NA	NA	NA	1.4
-4.5	6.9	0.6	-89.8	NA	NA	NA	1.0
-5.2	1.4	-0.1	31.9	-4.5	9.4	-4.6	0.5
-4.6	1.6	0.2	51.3	NA	NA	NA	0.4
-4.8	2.3	2.5	-101.5	NA	NA	NA	1.3
-4.6	8.0	-1.5	-26.1	NA	NA	NA	1.1
-4.6	2.9	-0.3	225.4	NA	NA	NA	1.0
-4.5	2.6	-0.5	243.7	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.4
NA	NA	-2.9	NA	NA	NA	NA	0.8
-4.4	3.5	-1.3	42.0	NA	NA	NA	1.2
-4.3	3.1	1.4	54.8	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.2
NA	NA	-1.5	NA	NA	NA	NA	1.0
-4.2	2.4	-4.5	66.0	NA	NA	NA	1.6
-4.2	2.4	0.0	71.0	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.8
-6.2	3.3	-0.2	63.5	NA	NA	NA	2.0
-6.1	3.0	-1.3	58.4	-5.5	9.9	24.8	1.4
NA	NA	-1.1	NA	NA	NA	NA	2.0
NA	NA	-0.4	NA	NA	NA	NA	0.9
-4.3	8.0	0.5	42.3	NA	NA	NA	1.0
-4.1	3.3	1.1	41.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	2.0
-4.7	2.5	1.5	-14.2	NA	NA	NA	1.0
-4.7	1.5	0.1	41.3	NA	NA	NA	1.2
-4.7	5.6	-0.1	35.8	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	0.8
-5.0	1.3	-0.3	-34.9	NA	NA	NA	1.0
-5.2	2.6	-2.4	61.9	NA	NA	NA	1.3



ga	gw	zr	tp	la	lw	bt	er
-4.8	1.5	-0.8	116.2	NA	NA	NA	1.1
NA	NA	-3.1	NA	NA	NA	NA	1.6
-4.4	1.0	3.8	-46.2	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	0.9
-4.2	3.4	-1.3	17.1	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.8
-4.5	7.4	-3.6	-19.6	NA	NA	NA	1.0
-4.5	3.5	2.1	50.2	NA	NA	NA	1.1
-4.5	5.3	3.3	55.3	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.7
-4.4	2.3	-1.5	-89.6	NA	NA	NA	1.0
-4.5	2.4	0.6	-33.2	NA	NA	NA	1.4
-4.2	6.0	0.9	76.6	NA	NA	NA	1.1
-4.5	3.8	-0.9	-80.3	NA	NA	NA	1.5
-4.3	1.2	-1.6	-82.2	NA	NA	NA	1.0
-5.9	6.9	0.6	43.8	-4.5	3.9	-167.2	1.6
-5.5	2.3	1.6	49.2	-4.5	4.6	-38.0	1.0
-4.6	7.9	0.4	-104.9	NA	NA	NA	1.5
-4.2	5.3	2.5	-83.4	NA	NA	NA	1.5
-4.5	8.0	0.2	-31.0	NA	NA	NA	1.0
-4.2	7.9	-1.3	64.1	NA	NA	NA	1.0
-4.8	1.8	3.0	-102.7	NA	NA	NA	1.8
-4.2	6.1	-1.7	-96.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	7.0	0.7	149.9	NA	NA	NA	0.5
-4.4	2.9	-4.8	-88.8	NA	NA	NA	1.5
-4.3	3.0	2.8	-108.1	NA	NA	NA	1.7
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	27.2	NA	NA	NA	0.3
-4.4	3.5	-0.4	-99.9	NA	NA	NA	1.1
-4.6	1.6	0.7	-91.9	NA	NA	NA	1.0
-4.5	8.0	-0.9	-25.9	NA	NA	NA	0.9
-4.0	1.0	-1.2	101.9	NA	NA	NA	1.0
-4.6	7.8	2.1	-89.3	NA	NA	NA	1.8
-5.2	1.8	0.9	-12.4	NA	NA	NA	1.0
-5.5	3.9	0.9	62.3	NA	NA	NA	1.0
-5.5	4.3	-0.6	46.4	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.7	4.2	3.3	42.5	NA	NA	NA	1.6
-4.5	2.0	0.3	44.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.7
-4.8	1.8	-0.3	-17.6	NA	NA	NA	1.0
-4.6	2.8	2.5	81.5	NA	NA	NA	1.7
-4.6	6.6	2.6	62.3	NA	NA	NA	1.1
NA	NA	-2.0	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	2.4	-20.9	NA	NA	NA	1.0
-4.5	0.6	-0.1	39.9	-4.3	10.0	-6.9	1.2
-4.5	0.9	-1.0	53.1	-4.2	10.0	5.8	1.1
-4.2	8.0	0.0	-110.9	NA	NA	NA	1.3
-5.1	1.6	1.6	-19.4	NA	NA	NA	1.0
-5.1	0.9	1.7	65.7	-4.2	10.0	-121.0	2.1
-4.8	1.3	0.5	67.2	NA	NA	NA	1.2
-4.1	8.0	0.7	-120.3	NA	NA	NA	1.8
-5.3	1.8	-1.8	-31.3	NA	NA	NA	1.0
-5.3	1.5	1.8	92.0	NA	NA	NA	1.0
-5.1	1.4	1.4	120.7	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.2
-5.2	2.6	-2.3	-20.2	-4.2	2.3	-5.4	0.8
-5.2	2.2	0.8	40.3	-4.4	8.1	-11.4	1.2
-4.7	0.9	1.7	70.1	-4.4	10.0	2.1	1.7
-4.2	1.3	1.5	-117.3	NA	NA	NA	1.1
-4.5	0.4	3.5	-59.0	NA	NA	NA	1.5
-7.0	1.6	-6.4	47.9	-4.4	0.8	-180.1	2.7
-6.6	0.9	-5.8	62.4	-5.2	1.2	-21.2	2.2
-4.9	0.8	1.1	-115.0	NA	NA	NA	1.5
-4.3	2.1	-2.2	-51.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	3.3	0.1	30.3	NA	NA	NA	0.4
-4.7	1.2	0.5	-41.3	NA	NA	NA	1.2
-5.1	7.4	0.1	-10.7	NA	NA	NA	1.0
-5.0	3.6	-0.6	50.1	-4.7	10.0	3.3	1.0
-5.0	3.2	-0.6	45.0	-4.5	10.0	2.3	1.0
NA	NA	1.3	NA	NA	NA	NA	1.8
-6.3	1.1	2.0	-19.0	NA	NA	NA	1.3
-6.3	4.5	2.4	40.1	-4.4	1.1	-89.4	1.9
-6.2	2.7	0.6	49.9	-5.0	1.7	2.0	1.3
-4.8	0.9	-1.3	-107.8	NA	NA	NA	1.5
-4.6	1.3	3.5	-42.9	NA	NA	NA	1.2
-5.1	3.7	-1.2	22.0	NA	NA	NA	1.0
-5.1	1.9	-1.1	30.1	NA	NA	NA	1.0
-4.6	1.5	-3.2	-70.7	NA	NA	NA	1.2
-4.3	2.5	-0.5	56.9	NA	NA	NA	1.5
-4.3	1.1	5.0	211.6	NA	NA	NA	2.2
-4.6	1.1	3.8	62.7	NA	NA	NA	2.0
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.3	2.0	1.2	49.4	NA	NA	NA	1.0
-4.3	1.6	0.5	259.3	NA	NA	NA	0.5
-4.4	1.7	0.2	105.0	NA	NA	NA	0.4
NA	NA	-0.3	NA	NA	NA	NA	0.9
-5.4	2.1	-0.7	-16.9	NA	NA	NA	1.0
-5.6	2.1	0.2	92.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.4	1.5	-0.3	101.4	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.9
NA	NA	-1.0	NA	NA	NA	NA	0.6
-4.6	7.9	0.2	27.6	NA	NA	NA	1.7
-4.5	2.4	0.5	59.2	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	0.9
-4.4	3.6	1.9	-73.5	NA	NA	NA	1.0
-4.1	0.8	-1.3	-25.7	NA	NA	NA	1.3
-4.4	8.0	-2.1	42.2	NA	NA	NA	1.0
-4.5	8.0	0.7	-72.0	NA	NA	NA	1.1
-4.2	2.0	-0.1	-33.2	NA	NA	NA	1.0
-4.5	4.7	-4.8	57.7	-4.2	10.0	-14.1	1.4
-4.5	5.0	-2.8	47.0	-4.3	10.0	2.1	1.0
-4.1	5.6	2.3	-87.6	NA	NA	NA	1.2
-4.5	4.3	2.3	-48.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.6	-0.5	88.2	NA	NA	NA	0.4
-4.3	5.3	-0.8	-90.7	NA	NA	NA	1.0
-4.2	8.0	-1.9	-41.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	7.0	0.9	25.1	NA	NA	NA	0.5
-4.4	8.0	5.2	-66.3	NA	NA	NA	1.4
-4.3	6.2	0.9	-48.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.3
-4.3	8.0	-0.5	50.5	NA	NA	NA	1.0
-4.1	3.8	1.7	-79.0	NA	NA	NA	1.4
-4.1	3.7	0.9	-28.6	NA	NA	NA	0.5
-4.4	8.0	2.0	55.7	NA	NA	NA	1.6
-4.3	4.7	-0.1	75.9	NA	NA	NA	1.0
NA	NA	-3.4	NA	NA	NA	NA	1.3
NA	NA	-1.6	NA	NA	NA	NA	0.6
-4.2	1.9	2.2	86.9	NA	NA	NA	1.6
-4.5	2.1	1.3	51.2	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
-5.1	2.9	0.1	-24.3	NA	NA	NA	1.0
-5.0	2.7	1.1	68.3	NA	NA	NA	1.0
-4.9	2.2	0.8	73.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.7	3.0	-0.3	-12.3	NA	NA	NA	1.0
-4.7	2.0	-1.0	30.5	NA	NA	NA	1.4
-4.4	1.3	0.1	45.4	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.3
-5.1	1.2	1.2	-46.6	NA	NA	NA	1.0
-4.4	8.0	1.9	-42.7	NA	NA	NA	1.7
-5.2	2.0	-0.7	66.8	-4.4	3.7	9.8	1.2
-4.3	3.2	1.2	-60.3	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.3	2.1	0.6	-61.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.3	5.4	0.4	26.6	NA	NA	NA	0.5
NA	NA	-3.7	NA	NA	NA	NA	2.3
-4.4	7.7	0.0	-71.5	NA	NA	NA	1.0
-4.3	3.3	-0.1	-9.1	NA	NA	NA	0.5
-4.4	8.0	-0.1	33.7	NA	NA	NA	0.4
-4.5	1.3	0.7	-126.2	NA	NA	NA	1.4
-4.9	1.4	3.4	-46.8	NA	NA	NA	1.2
-5.0	2.8	0.2	60.9	-4.4	3.9	8.0	1.0
-4.9	2.5	-0.8	89.0	-4.4	4.0	35.4	0.9
NA	NA	-9.2	NA	NA	NA	NA	2.0
-4.3	1.9	-0.5	-47.8	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.7
-4.2	3.5	-0.8	14.0	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.8
-4.8	3.1	-1.4	-14.2	NA	NA	NA	0.7
-4.9	1.9	-4.9	69.8	-4.2	4.4	17.6	1.7
-4.8	2.8	0.2	52.0	-4.2	3.8	23.9	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.0
-4.2	4.1	-2.4	-25.0	NA	NA	NA	1.0
-4.4	7.8	-0.5	35.5	NA	NA	NA	1.1
-4.2	3.6	1.1	60.5	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	0.8
NA	NA	-1.6	NA	NA	NA	NA	0.9
-4.5	7.9	0.9	56.6	-4.3	6.3	9.8	1.5
-4.5	3.9	1.3	48.4	-4.3	10.0	2.6	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.4	4.2	-0.7	-20.6	NA	NA	NA	1.0
-4.6	8.0	-0.4	54.1	-4.3	8.2	13.9	1.0
-4.6	7.7	0.1	49.7	-4.1	2.5	6.9	0.9
-4.2	6.4	2.0	-81.5	NA	NA	NA	1.4
-4.6	8.0	-0.3	-77.9	NA	NA	NA	1.1
NA	NA	0.9	NA	NA	NA	NA	0.8
-4.5	2.8	0.3	97.1	NA	NA	NA	1.0
-4.6	7.8	0.8	-104.7	NA	NA	NA	1.3
-4.4	5.3	0.0	-17.2	NA	NA	NA	0.8
-4.5	2.3	-1.4	95.2	-4.0	10.0	40.6	1.3
-4.5	2.1	-1.3	59.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
-7.0	1.9	1.5	-16.4	-4.6	2.0	-4.4	0.6
-6.8	1.1	-2.9	76.8	-4.5	2.6	47.2	1.9
-6.8	1.3	-3.0	52.6	-4.2	1.8	24.6	1.3
NA	NA	2.5	NA	NA	NA	NA	1.4
-4.5	3.8	-1.7	-39.6	NA	NA	NA	1.0
-4.5	2.9	0.3	111.6	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	2.9	1.7	179.0	NA	NA	NA	1.5
NA	NA	1.5	NA	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.1	4.0	-2.7	42.7	NA	NA	NA	1.0
-4.2	6.8	-0.7	24.8	NA	NA	NA	0.5
NA	NA	0.8	NA	NA	NA	NA	1.8
-5.6	1.9	1.2	-22.0	NA	NA	NA	1.4
-5.2	1.6	-3.5	90.8	NA	NA	NA	1.7
-5.3	1.4	-3.8	94.4	NA	NA	NA	1.8
NA	NA	1.8	NA	NA	NA	NA	1.5
-5.6	1.7	-2.6	-78.9	NA	NA	NA	1.2
-6.4	1.0	0.6	47.0	-5.7	3.0	-33.8	1.4
-5.0	0.5	0.2	77.8	NA	NA	NA	1.7
-5.6	8.0	-0.5	-94.2	NA	NA	NA	1.0
-6.4	1.8	1.5	-60.4	NA	NA	NA	1.0
-6.2	8.0	4.4	-152.7	NA	NA	NA	2.6
-6.4	1.0	-3.2	60.0	-6.2	10.0	-11.3	1.9
-6.4	5.6	-0.4	-102.0	NA	NA	NA	1.0
-6.7	5.2	-0.3	26.4	-5.9	8.2	-46.6	1.6
NA	NA	0.3	NA	NA	NA	NA	1.2
-5.9	8.0	-1.5	38.6	NA	NA	NA	1.5
-6.2	8.0	1.2	-91.7	NA	NA	NA	1.6
-5.8	6.5	-1.5	-75.2	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-5.5	3.4	0.3	93.7	NA	NA	NA	0.4
-5.8	7.1	-0.5	-94.8	NA	NA	NA	1.1
-5.8	2.7	-2.2	-59.8	NA	NA	NA	1.3
-6.4	6.2	-0.4	20.9	NA	NA	NA	1.0
-5.7	1.5	-0.5	142.5	-5.2	9.6	100.0	1.2
-5.8	5.4	3.9	-105.9	NA	NA	NA	1.7
-6.2	6.3	1.4	-74.6	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.2
-6.0	4.8	-0.1	26.6	NA	NA	NA	0.3
-6.2	8.0	3.9	-100.5	NA	NA	NA	1.8
-6.2	6.8	-1.6	-69.2	NA	NA	NA	1.0
-6.7	7.3	-0.4	15.4	-6.4	10.0	-3.2	1.0
-5.7	1.1	-0.7	110.1	NA	NA	NA	1.3
-6.4	3.6	2.5	-98.6	NA	NA	NA	1.0
-5.6	2.5	-2.5	-76.8	NA	NA	NA	1.0
-6.2	1.3	0.2	28.6	-5.5	10.0	-36.2	1.7
-5.3	0.7	1.1	58.8	NA	NA	NA	1.9
-5.5	8.0	2.9	-102.8	NA	NA	NA	1.5
-6.0	2.9	-0.7	-57.9	NA	NA	NA	1.0
-6.3	2.4	-1.6	55.9	-5.9	10.0	-110.5	2.1
-6.3	2.8	0.5	70.4	-5.7	10.0	-0.8	1.3
-5.9	5.4	2.8	-102.5	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-5.5	8.0	-1.5	-41.1	NA	NA	NA	1.9
-5.7	7.9	-1.7	21.6	-5.4	7.2	1.2	1.0
-5.5	7.9	-0.6	41.0	NA	NA	NA	1.2
-5.7	4.4	2.6	-96.8	NA	NA	NA	1.5
-6.3	8.0	-1.0	-79.7	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.0
-6.2	7.9	0.0	72.7	-4.0	3.1	46.3	0.4
-6.3	7.9	0.2	-97.5	NA	NA	NA	1.0
-5.3	4.4	-1.1	-61.5	NA	NA	NA	1.6
-5.9	5.5	-0.3	48.7	-5.6	10.0	11.9	1.0
-5.2	1.7	-0.2	111.3	NA	NA	NA	0.9
-5.6	2.4	3.9	-95.8	NA	NA	NA	2.2
-5.8	8.0	-2.1	-75.3	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	0.0
-5.7	5.4	0.1	27.7	NA	NA	NA	0.3
-5.9	8.0	4.3	-104.7	NA	NA	NA	1.4
-6.2	8.0	-1.7	-71.5	NA	NA	NA	1.5
-6.9	7.7	-1.2	20.8	-6.3	7.0	-10.1	1.0
-6.1	3.3	1.2	113.0	NA	NA	NA	2.2
-6.3	7.2	-0.1	-95.7	NA	NA	NA	1.0
-5.9	2.2	0.5	-81.0	NA	NA	NA	1.0
-6.5	1.5	1.6	50.9	-5.8	4.8	-31.5	1.3
-6.1	0.8	-0.5	62.6	NA	NA	NA	1.7
-5.9	8.0	3.3	-96.6	NA	NA	NA	1.1
-6.2	1.6	1.0	-54.5	NA	NA	NA	1.9
-5.9	8.0	-2.9	-62.1	NA	NA	NA	3.1
-6.4	1.9	-1.6	61.5	-5.9	10.0	-21.6	2.3
-6.1	8.0	-2.9	-92.1	NA	NA	NA	1.9
-5.9	8.0	0.8	-44.1	NA	NA	NA	1.6
NA	NA	-0.7	NA	NA	NA	NA	1.8
-6.0	8.0	-0.7	41.9	NA	NA	NA	1.8
-6.3	8.0	0.6	-86.8	NA	NA	NA	1.9
-6.5	3.7	1.4	-80.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-6.2	2.0	-0.3	89.6	NA	NA	NA	1.7
-6.5	8.0	1.1	-99.8	NA	NA	NA	1.2
-5.7	2.4	0.1	-63.2	NA	NA	NA	1.8
-6.4	6.7	0.2	31.2	-5.7	1.1	11.2	1.2
-6.0	1.8	-0.4	99.2	NA	NA	NA	1.6
-5.8	3.6	-1.6	-90.1	NA	NA	NA	2.0
-6.3	4.8	0.3	-71.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.3
-6.2	4.8	0.1	21.9	NA	NA	NA	0.3
-6.3	8.0	0.7	-96.3	NA	NA	NA	1.3
-6.1	8.0	-0.9	-64.2	NA	NA	NA	1.2
-6.6	6.8	-0.7	47.4	-6.4	10.0	-4.5	1.0

ga	gw	zr	tp	la	lw	bt	er
-6.1	2.3	0.6	102.9	NA	NA	NA	1.2
-6.3	6.4	4.1	-97.8	NA	NA	NA	1.4
NA	NA	-2.8	NA	NA	NA	NA	1.2
-4.5	0.8	-1.8	55.3	NA	NA	NA	1.6
-4.8	1.9	0.1	39.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.3
NA	NA	-2.3	NA	NA	NA	NA	0.9
-5.0	1.7	5.8	38.3	NA	NA	NA	1.7
-5.0	1.8	7.9	45.8	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	1.6
NA	NA	-3.1	NA	NA	NA	NA	1.0
-5.5	5.2	-1.3	27.4	NA	NA	NA	1.2
-4.9	0.7	-0.4	49.1	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.9
-4.2	1.9	4.2	80.5	NA	NA	NA	1.8
-4.4	1.3	0.9	42.8	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.5
NA	NA	-3.8	NA	NA	NA	NA	1.3
-4.7	1.2	-0.1	39.9	NA	NA	NA	1.6
-4.5	1.4	1.0	68.4	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	1.5
-5.3	1.3	1.2	-23.2	NA	NA	NA	1.0
-5.2	1.4	0.4	54.1	NA	NA	NA	1.9
-5.2	1.6	0.6	63.8	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
-4.3	2.2	-1.6	-36.4	NA	NA	NA	1.0
-4.8	2.3	-1.5	35.8	-4.2	10.0	-4.0	1.1
-4.8	1.8	0.5	41.5	-4.2	10.0	0.1	1.0
NA	NA	-3.9	NA	NA	NA	NA	1.5
-4.6	1.9	-2.2	-51.8	NA	NA	NA	1.2
-4.9	1.8	0.1	46.1	NA	NA	NA	1.0
-4.8	1.9	0.4	84.5	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.6
-4.7	1.8	-0.3	-28.7	NA	NA	NA	0.7
-4.8	3.4	0.2	23.0	NA	NA	NA	1.2
-4.8	3.5	0.1	34.9	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.7
-4.3	1.2	0.4	-35.1	NA	NA	NA	1.0
-5.2	1.2	-5.1	15.9	NA	NA	NA	1.8
-4.4	1.2	-0.8	67.1	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.6
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.6	1.3	-2.4	95.2	NA	NA	NA	1.8
-4.5	1.1	-0.7	68.5	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.8	NA	NA	NA	NA	1.3
-4.3	8.0	-0.2	30.5	NA	NA	NA	1.5
-4.2	2.8	0.8	60.4	NA	NA	NA	1.0
NA	NA	-4.6	NA	NA	NA	NA	1.8
NA	NA	-1.0	NA	NA	NA	NA	1.2
-4.2	2.4	-1.7	62.0	NA	NA	NA	1.7
-4.2	2.3	-0.2	62.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.7	1.7	-0.1	-13.2	NA	NA	NA	1.1
-4.2	2.1	0.4	69.6	NA	NA	NA	1.9
-4.1	1.9	0.1	67.8	NA	NA	NA	1.3
NA	NA	1.0	NA	NA	NA	NA	1.5
-4.2	7.0	-0.2	-43.7	NA	NA	NA	1.0
-4.3	2.8	-0.1	81.7	NA	NA	NA	1.3
-4.2	8.0	-0.2	94.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.8
-4.2	3.0	-3.1	60.8	NA	NA	NA	1.5
-4.4	5.7	-1.4	30.6	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.5
-4.1	8.0	-2.8	24.8	NA	NA	NA	1.2
-5.3	1.3	1.0	60.0	-4.4	10.0	-67.0	2.3
-5.0	1.3	2.1	67.9	-4.3	10.0	-20.2	1.5
NA	NA	-2.4	NA	NA	NA	NA	1.5
NA	NA	-0.6	NA	NA	NA	NA	0.7
-4.8	1.9	-0.3	45.5	-4.2	10.0	9.3	1.0
-4.8	1.7	-0.2	41.1	-4.2	8.9	-0.2	0.9
NA	NA	-0.5	NA	NA	NA	NA	1.8
-5.4	6.5	2.2	-3.8	NA	NA	NA	1.0
-4.9	1.3	1.2	44.1	NA	NA	NA	1.0
-5.2	1.7	-0.1	31.3	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.8
-4.5	7.9	0.0	32.4	NA	NA	NA	1.0
-4.6	0.8	-2.3	70.0	NA	NA	NA	1.8
-5.9	1.8	-1.2	9.2	NA	NA	NA	1.6
NA	NA	-2.5	NA	NA	NA	NA	1.4
-4.4	4.8	-3.6	149.0	NA	NA	NA	1.7
-4.3	0.8	-0.2	1206.3	NA	NA	NA	2.5
-5.0	0.7	-5.0	257.9	-4.0	10.0	113.4	1.7
NA	NA	0.1	NA	NA	NA	NA	1.7
-4.4	1.5	0.4	104.1	NA	NA	NA	1.2
-5.6	1.4	0.4	162.5	NA	NA	NA	1.6
-5.7	1.4	-0.2	91.0	-4.9	2.0	58.7	1.1
NA	NA	-1.4	NA	NA	NA	NA	2.1
-4.7	1.2	0.2	34.4	NA	NA	NA	1.0
-5.3	2.1	0.2	229.2	NA	NA	NA	0.8



ga	gw	zr	tp	la	lw	bt	er
-5.3	2.1	-0.1	120.3	NA	NA	NA	0.4
NA	NA	0.1	NA	NA	NA	NA	0.8
-5.7	1.9	1.0	7.3	NA	NA	NA	1.0
-5.6	0.9	0.6	92.0	NA	NA	NA	1.4
-5.6	1.1	-0.5	54.0	NA	NA	NA	1.2
NA	NA	-6.0	NA	NA	NA	NA	2.8
-4.4	1.6	0.5	43.2	NA	NA	NA	1.0
-5.4	1.1	0.1	48.5	NA	NA	NA	0.5
-5.6	1.4	-0.1	16.2	NA	NA	NA	0.3
NA	NA	-1.1	NA	NA	NA	NA	1.1
-4.7	8.0	-0.8	18.6	NA	NA	NA	1.1
-5.1	0.7	-4.0	252.6	NA	NA	NA	2.1
-5.5	0.9	-0.8	122.6	NA	NA	NA	1.4
NA	NA	5.8	NA	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.9	1.6	-3.1	117.2	-4.4	9.7	35.6	2.1
-4.9	2.3	-1.5	65.3	-4.3	10.0	7.2	1.5
-4.2	3.3	0.8	-84.1	NA	NA	NA	1.3
-4.2	3.9	1.5	-42.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.1
-4.4	4.6	-0.6	24.8	NA	NA	NA	0.9
NA	NA	-3.7	NA	NA	NA	NA	1.4
-4.4	8.0	1.4	20.7	NA	NA	NA	0.6
-5.0	8.0	1.5	89.5	-4.6	3.0	18.4	1.1
-4.8	3.5	0.1	59.4	-4.5	10.0	6.8	1.0
NA	NA	0.3	NA	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.3	1.4	1.5	69.2	NA	NA	NA	1.7
NA	NA	0.5	NA	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.9
-4.4	2.8	2.3	59.4	NA	NA	NA	1.9
-4.2	2.6	0.5	24.1	NA	NA	NA	0.9
NA	NA	0.9	NA	NA	NA	NA	1.5
-6.3	0.4	-2.6	44.0	NA	NA	NA	2.4
-7.3	3.9	-9.9	62.7	-6.3	3.6	-75.9	2.8
-6.2	8.0	-3.7	-48.6	NA	NA	NA	2.9
-7.9	1.4	0.2	-61.9	NA	NA	NA	1.7
-7.9	3.4	-0.4	8.8	-5.6	10.0	0.8	1.0
-8.0	4.3	2.6	24.1	-7.0	0.7	-5.3	1.0
-6.7	0.4	-2.0	18.2	-6.3	0.6	-3.4	1.0
-7.6	3.5	-1.8	-45.0	NA	NA	NA	1.5
-6.1	0.7	-2.0	31.3	NA	NA	NA	1.7
-6.6	2.0	-7.8	22.6	-5.6	4.3	-83.1	2.1
-5.5	4.2	-2.7	-47.0	NA	NA	NA	1.9
-7.1	1.3	2.1	-68.3	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.5	-0.7	-50.8	NA	NA	NA	1.1
NA	NA	-3.5	NA	NA	NA	NA	1.4
-4.6	4.8	-2.1	16.6	NA	NA	NA	1.5
NA	NA	-4.0	NA	NA	NA	NA	2.3
NA	NA	-6.1	NA	NA	NA	NA	1.6
-6.3	0.5	-1.0	43.1	NA	NA	NA	1.9
-6.0	0.4	-1.8	34.5	NA	NA	NA	2.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
NA	NA	-5.6	NA	NA	NA	NA	1.3
-6.3	0.4	-3.9	57.4	-4.4	9.1	5.6	2.0
-6.5	0.4	-3.4	41.2	-4.3	10.0	0.5	1.7
NA	NA	3.6	NA	NA	NA	NA	1.3
-5.0	2.1	1.0	-81.1	NA	NA	NA	1.0
-5.4	4.4	0.7	50.5	-4.9	3.9	-33.2	1.0
-5.5	8.0	0.2	35.5	NA	NA	NA	1.0
-4.7	8.0	2.5	-100.9	NA	NA	NA	1.2
-4.2	4.4	1.2	-83.2	NA	NA	NA	1.0
-4.7	8.0	1.6	72.1	-4.1	4.0	-187.6	1.7
-4.7	8.0	-0.1	54.9	-4.3	10.0	1.5	1.0
-4.4	2.5	-0.3	-102.8	NA	NA	NA	1.1
-4.2	8.0	-0.4	-65.4	NA	NA	NA	1.4
-6.1	6.1	0.9	19.8	-5.2	1.3	-6.7	1.0
-4.2	8.0	1.2	40.3	NA	NA	NA	1.4
-4.6	1.3	1.6	-104.4	NA	NA	NA	1.9
-4.8	6.3	1.9	-82.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	3.6	-0.4	85.2	NA	NA	NA	0.4
-5.1	1.5	-0.2	-104.5	NA	NA	NA	1.0
-4.4	1.7	1.0	-79.6	NA	NA	NA	1.0
-5.1	5.6	0.6	14.1	NA	NA	NA	1.0
-4.7	3.3	0.0	86.9	NA	NA	NA	0.9
-4.8	2.8	-1.9	-93.5	NA	NA	NA	1.9
-4.5	8.0	-0.7	-76.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.5	8.0	0.0	24.8	NA	NA	NA	0.3
-4.5	4.3	-1.0	-102.0	NA	NA	NA	1.8
-4.3	1.5	-1.4	-96.8	NA	NA	NA	1.0
-5.3	1.9	-0.4	50.7	-4.2	10.0	10.0	1.0
-4.9	1.4	-0.4	95.4	NA	NA	NA	1.0
-4.2	2.8	-2.8	-139.0	NA	NA	NA	1.4
-5.1	1.9	2.2	-90.8	-4.1	3.1	-64.4	0.9
-5.4	2.4	-0.9	78.7	-4.9	9.8	-32.8	1.0
-5.4	2.1	-1.6	79.0	-5.0	10.0	21.5	1.1
-4.6	3.4	0.6	22.6	-4.6	10.0	-98.6	1.2
-4.1	4.2	-0.4	-79.2	NA	NA	NA	1.1
-4.7	7.9	-1.6	62.5	-4.3	7.5	-88.2	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	-0.4	41.5	-4.3	10.0	0.4	1.0
-4.3	2.6	0.4	-118.4	NA	NA	NA	1.4
-5.1	8.0	-0.1	45.1	-4.4	2.4	-89.8	1.4
-6.1	8.0	1.4	14.6	-4.8	1.0	-28.9	1.0
-4.3	8.0	1.0	42.2	NA	NA	NA	1.4
-4.9	1.5	1.7	-100.1	NA	NA	NA	1.9
-4.8	7.7	1.2	-82.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	7.6	-0.2	83.2	NA	NA	NA	0.4
-5.1	1.4	1.1	-106.6	NA	NA	NA	1.5
-4.7	8.0	-1.3	-57.9	NA	NA	NA	1.0
-5.4	7.4	0.6	7.4	NA	NA	NA	1.0
-4.6	3.2	1.1	94.3	NA	NA	NA	0.9
-4.7	1.3	3.6	-118.2	NA	NA	NA	1.8
-4.6	5.7	-0.6	-74.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	6.2	0.0	30.0	NA	NA	NA	0.3
-4.6	8.0	1.3	-106.5	NA	NA	NA	1.2
-4.5	1.0	0.6	-86.9	NA	NA	NA	1.0
-5.4	2.3	0.5	59.6	-4.4	10.0	7.9	1.1
-5.1	1.7	0.3	100.7	NA	NA	NA	1.0
-4.3	1.6	3.7	-137.6	NA	NA	NA	2.0
NA	NA	-1.4	NA	NA	NA	NA	1.2
-4.7	1.2	0.3	43.7	NA	NA	NA	1.4
-4.4	1.2	0.9	48.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.3
NA	NA	2.8	NA	NA	NA	NA	1.3
-4.6	8.0	2.7	46.0	NA	NA	NA	1.7
-4.7	6.6	0.7	35.7	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	1.4
NA	NA	-0.4	NA	NA	NA	NA	1.2
-4.8	1.1	-1.7	49.0	NA	NA	NA	1.7
-4.4	1.0	-0.3	45.3	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.1
-4.4	8.0	-0.5	-50.9	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.2
-4.4	8.0	-0.2	41.6	NA	NA	NA	0.5
-4.4	5.4	1.9	-84.7	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	0.5
-4.4	1.3	1.8	59.1	NA	NA	NA	1.7
NA	NA	1.8	NA	NA	NA	NA	1.1
NA	NA	-1.9	NA	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.5	6.2	0.8	58.8	NA	NA	NA	2.2
-4.6	4.2	0.3	14.8	NA	NA	NA	1.3
NA	NA	-2.5	NA	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.1	NA	NA	NA	NA	1.2
-5.5	1.8	1.4	54.0	NA	NA	NA	1.6
-5.4	2.8	0.1	52.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.2
-5.1	1.1	0.9	-92.9	NA	NA	NA	1.0
-5.7	8.0	-0.4	-11.1	NA	NA	NA	1.0
-4.4	1.0	-0.6	141.2	NA	NA	NA	1.0
-5.5	1.7	-0.2	-93.6	NA	NA	NA	1.5
-5.6	1.9	0.4	-15.3	NA	NA	NA	1.0
-5.3	3.1	0.6	64.1	-4.7	10.0	36.1	1.6
-5.4	3.5	0.1	45.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4
-5.4	1.3	0.0	-17.8	NA	NA	NA	1.0
-5.5	1.0	-3.9	62.6	-4.2	2.0	14.4	2.2
-5.4	1.3	-0.9	54.2	-3.9	4.1	22.8	1.2
NA	NA	-2.1	NA	NA	NA	NA	1.6
-4.3	8.0	2.1	-20.6	NA	NA	NA	0.6
-4.2	2.0	-0.7	73.6	NA	NA	NA	1.9
-4.4	2.7	-1.9	41.7	NA	NA	NA	1.0
-4.4	6.9	-0.7	-32.7	NA	NA	NA	1.9
-5.5	3.0	1.6	-20.2	NA	NA	NA	1.0
-5.1	1.3	-1.0	70.7	-4.3	4.1	35.6	1.3
-5.4	2.2	-2.8	69.5	-4.0	10.0	19.6	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.2	4.0	-1.4	-106.6	NA	NA	NA	1.0
-5.6	7.5	1.5	15.0	-4.3	5.9	-36.3	1.0
-4.2	5.1	0.9	72.7	NA	NA	NA	1.1
-4.3	2.7	-0.2	-125.1	NA	NA	NA	1.2
-4.3	7.9	0.1	-58.7	NA	NA	NA	1.0
-5.1	2.1	-4.7	25.6	-4.2	4.5	-141.1	2.2
NA	NA	-1.4	NA	NA	NA	NA	1.4
-4.2	2.8	-2.1	-118.7	NA	NA	NA	1.4
-4.2	8.0	-1.5	-74.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	8.0	0.5	57.9	NA	NA	NA	0.5
-4.3	2.9	1.8	-117.2	NA	NA	NA	1.7
-4.2	6.0	-0.6	-102.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	7.3	0.1	28.9	NA	NA	NA	0.3
-4.2	3.0	-4.9	-130.9	NA	NA	NA	2.1
-4.3	2.6	0.6	-89.8	NA	NA	NA	1.0
-4.2	2.7	0.4	-25.0	NA	NA	NA	1.0
-4.2	4.9	0.1	125.5	NA	NA	NA	1.0
-4.3	1.7	2.0	-129.2	NA	NA	NA	1.7
-4.3	2.9	-1.3	-74.1	NA	NA	NA	1.0
-4.4	1.1	-0.5	37.2	-4.2	10.0	-4.6	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.8	8.0	1.2	27.9	NA	NA	NA	1.2
-4.2	5.6	-0.7	-83.3	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	1.2
-5.1	3.7	0.6	43.9	NA	NA	NA	1.3
-4.7	2.2	1.5	46.6	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.5
NA	NA	0.9	NA	NA	NA	NA	0.8
-5.3	6.3	-0.3	28.1	-4.4	5.3	-3.1	1.0
-5.5	2.8	-0.9	14.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.0
-4.5	1.5	-2.7	40.0	NA	NA	NA	1.4
-4.4	1.7	-0.2	45.9	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.1
-5.1	2.1	1.1	-25.1	NA	NA	NA	1.0
-5.5	2.8	1.6	70.7	NA	NA	NA	1.4
-5.3	2.2	0.6	78.4	NA	NA	NA	1.2
NA	NA	2.4	NA	NA	NA	NA	1.5
-4.7	5.7	1.1	-47.7	-4.3	9.7	-6.8	0.5
NA	NA	-2.5	NA	NA	NA	NA	1.5
-4.6	8.0	-2.6	67.9	-4.3	10.0	9.7	1.1
NA	NA	0.1	NA	NA	NA	NA	1.3
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.2	1.8	-2.4	91.0	NA	NA	NA	1.9
-4.2	2.0	-0.8	66.1	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.6	3.1	-0.5	74.0	NA	NA	NA	1.6
-4.5	3.4	-0.2	49.3	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.6
-4.2	4.5	-5.0	49.5	NA	NA	NA	1.8
-4.2	5.7	-2.6	39.9	NA	NA	NA	1.5
NA	NA	-3.3	NA	NA	NA	NA	1.8
-4.8	3.1	-1.4	-61.8	NA	NA	NA	1.2
-4.9	7.6	1.3	84.1	-4.7	9.7	-25.6	1.3
-4.9	8.0	0.6	114.3	-4.7	10.0	16.0	1.3
-4.6	5.4	0.7	-85.7	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.2
-5.1	3.2	3.0	31.0	-4.3	9.5	-70.5	1.9
-4.1	8.0	1.7	-69.1	NA	NA	NA	1.0
-4.4	8.0	0.9	-51.0	NA	NA	NA	1.5
-4.3	3.5	-1.2	-57.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	8.0	0.2	26.3	NA	NA	NA	0.4
-4.4	1.5	3.5	-85.3	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	3.5	-0.1	-17.2	NA	NA	NA	1.0
-4.6	5.7	0.6	27.5	-4.1	10.0	-5.2	0.5
-4.6	5.2	0.5	30.0	-4.1	4.8	0.0	0.9
NA	NA	-3.3	NA	NA	NA	NA	2.1
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.5	2.7	0.5	68.5	NA	NA	NA	1.1
-4.5	2.6	-0.2	58.6	NA	NA	NA	1.0
NA	NA	6.1	NA	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	0.6
-4.4	3.3	0.4	74.9	NA	NA	NA	1.0
-4.4	4.0	0.5	73.9	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.7
-5.2	1.0	0.6	-86.3	NA	NA	NA	1.2
-6.3	8.0	-0.9	-27.3	NA	NA	NA	1.1
-4.6	3.4	-3.1	44.7	NA	NA	NA	1.4
-5.5	4.2	0.2	76.3	-5.0	5.7	-94.4	1.4
-6.3	1.5	-1.6	-56.4	NA	NA	NA	1.4
-7.9	8.0	-4.1	57.4	-6.4	5.5	-131.4	3.3
-7.6	2.3	-4.5	64.8	-6.5	10.0	-18.4	2.2
-6.5	4.4	2.3	-110.0	NA	NA	NA	1.6
-5.3	4.4	0.8	-24.0	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	1.2
-5.5	8.0	0.1	33.4	-5.3	0.4	13.4	1.0
-6.3	3.4	-1.4	-72.3	NA	NA	NA	2.3
-5.8	3.5	2.5	-83.2	NA	NA	NA	1.0
-4.9	8.0	0.1	-5.2	NA	NA	NA	0.5
-5.0	1.3	-0.3	89.0	NA	NA	NA	0.4
-5.4	2.1	0.5	-100.1	NA	NA	NA	1.3
-6.1	1.0	1.6	-47.9	NA	NA	NA	1.5
-6.7	6.0	0.9	40.7	-6.5	9.7	13.5	1.2
-6.0	1.1	-0.8	67.8	NA	NA	NA	1.6
-5.4	0.5	7.2	-131.2	NA	NA	NA	2.2
-5.2	0.7	2.5	-86.7	NA	NA	NA	1.6
NA	NA	-1.1	NA	NA	NA	NA	0.2
-4.6	1.0	-0.2	25.7	NA	NA	NA	0.3
-4.8	7.2	2.2	-100.0	NA	NA	NA	2.0
-5.5	5.5	1.5	-67.6	NA	NA	NA	0.9
-5.2	8.0	0.2	24.2	-4.9	10.0	-11.3	1.0
-5.1	1.2	-0.3	97.5	-4.4	9.5	66.5	1.0
-5.6	1.2	0.3	-107.1	NA	NA	NA	1.9
NA	NA	1.2	NA	NA	NA	NA	0.9
-4.8	4.9	-0.5	63.4	NA	NA	NA	1.4
-4.8	3.6	-1.3	54.6	NA	NA	NA	1.1
NA	NA	-2.3	NA	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	0.8
-5.4	8.0	0.9	21.9	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	0.4	-1.9	18.9	-3.8	10.0	2.9	1.0
NA	NA	-2.7	NA	NA	NA	NA	1.4
-4.1	8.0	-1.5	-40.5	NA	NA	NA	1.0
-4.1	4.9	-1.0	128.1	NA	NA	NA	1.0
-4.1	5.7	0.4	165.9	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.6
-4.4	4.5	-0.5	-33.8	NA	NA	NA	1.0
-4.4	8.0	0.1	44.7	NA	NA	NA	1.0
-4.4	8.0	0.4	64.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.7
NA	NA	0.5	NA	NA	NA	NA	1.3
-4.2	3.1	-2.3	104.0	NA	NA	NA	2.0
-4.3	8.0	-1.4	62.5	NA	NA	NA	1.3
NA	NA	-4.1	NA	NA	NA	NA	2.4
-6.6	1.2	2.2	-10.8	NA	NA	NA	1.2
-5.4	0.4	-7.9	79.0	NA	NA	NA	1.6
-5.1	0.5	-3.3	59.7	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	1.6
NA	NA	-2.8	NA	NA	NA	NA	1.2
-6.3	0.7	0.1	39.6	NA	NA	NA	2.3
-4.7	0.4	-1.2	71.6	NA	NA	NA	1.8
NA	NA	1.3	NA	NA	NA	NA	2.0
NA	NA	-2.0	NA	NA	NA	NA	0.8
-4.7	6.1	0.4	59.7	NA	NA	NA	1.0
-4.5	2.6	0.1	67.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.1	8.0	2.3	-75.6	NA	NA	NA	1.7
-4.2	3.2	3.5	-174.4	NA	NA	NA	2.6
-4.3	8.0	2.2	32.8	-5.2	10.0	1.3	1.2
-4.5	0.8	-0.4	-135.1	NA	NA	NA	1.5
-4.3	2.3	1.1	-78.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	3.1	-0.3	25.2	NA	NA	NA	0.4
-4.2	4.8	-1.8	-102.7	NA	NA	NA	1.3
-4.3	0.7	1.8	-98.7	NA	NA	NA	1.4
-4.8	2.6	0.0	25.5	-4.2	4.4	-17.6	1.0
-4.1	0.7	-1.2	138.1	NA	NA	NA	1.1
-4.1	3.0	-2.4	-122.5	NA	NA	NA	1.9
-5.6	4.3	0.4	-12.7	NA	NA	NA	1.0
-5.0	2.2	3.6	83.0	NA	NA	NA	1.5
-4.9	1.8	1.6	76.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.1
-4.3	3.0	0.6	-37.9	NA	NA	NA	1.0
-4.3	1.9	-0.3	85.0	NA	NA	NA	1.4
-4.2	1.5	-0.8	102.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.3	1.6	0.7	-46.4	NA	NA	NA	1.0
-4.9	1.9	-1.5	23.9	-4.4	9.6	-123.5	1.5
-5.0	7.4	0.2	24.6	-4.4	7.3	-21.4	1.0
-4.4	4.0	-2.8	-59.4	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	0.5
-4.7	8.0	-1.1	19.7	NA	NA	NA	1.0
-4.6	7.5	-0.4	19.3	NA	NA	NA	0.9
NA	NA	2.6	NA	NA	NA	NA	1.8
-4.3	6.7	0.3	-54.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	2.8	-0.2	42.2	NA	NA	NA	1.0
-4.1	8.0	1.5	-69.5	NA	NA	NA	1.9
-4.4	3.8	2.3	-25.8	NA	NA	NA	1.0
-4.3	1.9	-2.2	98.8	NA	NA	NA	1.4
-4.4	2.8	-2.3	82.4	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.0
-4.5	2.9	-0.9	-18.2	NA	NA	NA	0.6
-5.0	7.9	-5.6	32.3	-4.4	9.9	-28.6	1.6
-4.9	3.5	-0.8	28.0	-4.0	10.0	-7.0	1.2
NA	NA	-1.2	NA	NA	NA	NA	1.6
-4.1	8.0	0.7	-36.9	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.7
-4.2	3.5	0.3	28.3	NA	NA	NA	1.0
-4.1	8.0	5.7	-66.0	NA	NA	NA	1.7
-6.5	8.0	0.6	-28.4	NA	NA	NA	1.2
-6.5	5.2	-0.4	73.7	-6.0	10.0	-32.7	1.6
-6.5	6.1	-0.7	80.7	-6.1	10.0	-8.3	1.5
-5.0	1.2	-0.9	-65.6	NA	NA	NA	1.5
-5.9	1.9	1.2	-80.6	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-5.5	1.2	-0.4	78.7	NA	NA	NA	0.6
-6.6	5.2	1.9	-76.4	NA	NA	NA	1.9
NA	NA	-1.2	NA	NA	NA	NA	1.4
-5.9	1.1	1.2	35.3	NA	NA	NA	1.6
-6.3	3.9	1.5	19.5	NA	NA	NA	1.5
NA	NA	-1.6	NA	NA	NA	NA	1.4
-4.9	8.0	-0.6	71.8	-4.7	9.9	11.4	1.2
-5.7	2.6	0.7	81.5	-4.8	3.5	-83.6	2.1
-5.8	4.5	0.9	43.1	-5.0	6.8	-31.9	1.3
-4.4	3.5	-5.8	-105.6	NA	NA	NA	2.1
NA	NA	1.2	NA	NA	NA	NA	0.7
-5.1	1.7	0.2	16.7	NA	NA	NA	0.5
-5.1	1.6	-0.3	11.2	NA	NA	NA	0.4
-5.3	1.7	0.5	-42.6	-4.4	10.0	-8.3	0.8
-4.7	3.1	0.1	-47.9	NA	NA	NA	1.0
-4.7	2.3	0.3	182.5	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.7	3.2	-0.8	193.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.4	8.0	-2.1	-18.5	NA	NA	NA	1.2
-4.2	2.7	-1.2	82.3	NA	NA	NA	1.3
-4.2	2.5	0.3	76.0	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.3	0.9	-0.5	62.6	NA	NA	NA	1.7
-4.3	1.6	1.2	61.4	NA	NA	NA	1.1
NA	NA	-6.8	NA	NA	NA	NA	1.8
-4.8	1.8	1.0	-95.7	NA	NA	NA	1.0
-4.5	8.0	2.4	-36.3	NA	NA	NA	1.4
-4.9	2.5	0.5	56.0	NA	NA	NA	1.1
-4.5	8.0	0.9	-119.3	NA	NA	NA	1.2
-4.7	1.5	0.1	-73.8	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	0.2
-5.0	2.0	0.1	50.4	NA	NA	NA	1.0
-4.7	8.0	-3.3	-71.5	NA	NA	NA	1.9
-4.6	2.4	0.5	-112.9	NA	NA	NA	1.0
-4.9	1.5	-0.1	8.4	NA	NA	NA	0.5
-4.4	2.9	0.1	173.8	NA	NA	NA	0.4
-4.6	2.9	-2.1	-125.9	NA	NA	NA	1.0
-4.6	4.4	1.4	-80.7	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.3	2.3	0.0	162.5	NA	NA	NA	0.9
-4.6	2.7	2.8	-107.1	NA	NA	NA	1.9
-4.7	1.5	1.2	-94.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	2.2	0.0	24.2	NA	NA	NA	0.3
-4.6	8.0	-1.1	-93.5	NA	NA	NA	1.4
-4.4	4.2	-0.8	-47.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.3	3.7	0.0	41.1	NA	NA	NA	0.5
-4.4	3.8	-1.7	-65.8	NA	NA	NA	1.6
-5.0	2.1	0.8	-11.2	NA	NA	NA	1.1
-4.7	1.3	1.7	106.0	NA	NA	NA	1.7
-4.7	1.6	1.0	78.3	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.6
-5.2	1.0	-1.6	-48.1	NA	NA	NA	1.2
NA	NA	-1.1	NA	NA	NA	NA	1.4
-4.8	2.1	-0.5	104.4	-4.4	10.0	56.0	1.2
NA	NA	-3.7	NA	NA	NA	NA	1.2
-5.3	1.5	-1.6	-55.7	-4.0	10.0	-28.4	1.1
-4.5	2.6	-0.7	-102.5	NA	NA	NA	2.3
-5.9	1.9	1.0	53.1	-4.3	2.2	1.8	1.3
-4.9	1.2	-1.6	-98.8	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.2	-1.2	-40.9	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	0.9
-4.2	3.8	0.8	33.3	NA	NA	NA	1.0
-5.2	1.2	1.4	-59.7	NA	NA	NA	1.6
-5.1	4.0	-1.4	-71.5	NA	NA	NA	1.0
-5.0	5.3	-0.4	-3.9	NA	NA	NA	0.5
-4.9	3.6	0.2	61.0	-3.9	5.8	34.3	0.4
-5.3	2.4	0.5	-95.7	NA	NA	NA	1.0
-5.2	2.4	-2.4	-34.5	NA	NA	NA	1.3
-5.1	1.5	-1.5	17.5	NA	NA	NA	1.0
-5.1	1.8	0.3	45.2	NA	NA	NA	0.9
-5.1	1.0	5.1	-48.3	NA	NA	NA	1.8
-5.1	3.0	-0.4	-60.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.8	1.9	-0.1	11.8	NA	NA	NA	0.3
-5.0	2.7	-0.4	-79.0	NA	NA	NA	1.4
-4.3	1.4	-0.2	-78.9	NA	NA	NA	1.1
-5.1	2.8	-0.1	17.2	-4.3	10.0	-5.2	1.0
-4.8	1.5	0.0	51.3	NA	NA	NA	1.0
-4.4	2.0	0.2	-94.8	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.4
-5.2	1.1	3.1	25.8	-4.3	10.0	-150.1	2.1
-4.9	1.9	0.4	30.5	-4.3	9.9	-74.1	1.3
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.8	3.8	0.3	-32.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	2.1	0.1	10.9	NA	NA	NA	0.4
-5.2	1.6	-3.4	-53.8	NA	NA	NA	1.8
-4.8	1.1	1.0	-21.4	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.5	0.8	-0.2	21.0	NA	NA	NA	0.9
-5.5	8.0	-3.3	-27.3	NA	NA	NA	2.4
-5.2	2.8	1.7	-27.4	-4.0	10.0	-1.3	1.1
-5.6	1.6	-0.2	36.6	-4.4	10.0	1.5	1.0
-5.2	1.4	-0.8	57.2	-4.4	10.0	5.9	1.0
NA	NA	-3.0	NA	NA	NA	NA	2.1
-4.9	8.0	-0.3	-28.3	-4.5	5.5	7.8	1.0
-5.0	2.1	-0.7	69.4	-4.6	10.0	10.1	1.0
-4.9	2.8	-1.0	88.7	-4.5	10.0	15.2	1.0
-5.0	8.0	1.2	-46.6	NA	NA	NA	1.2
-4.5	8.0	-4.9	-25.1	NA	NA	NA	1.4
-4.5	3.0	-2.3	46.7	NA	NA	NA	1.2
-4.4	3.1	0.6	63.0	NA	NA	NA	1.1
NA	NA	-1.8	NA	NA	NA	NA	1.2
-4.6	1.5	0.5	-16.0	NA	NA	NA	0.9
-4.7	1.1	-1.8	59.7	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.0	-0.8	55.9	NA	NA	NA	1.0
NA	NA	2.8	NA	NA	NA	NA	1.4
-5.0	2.3	0.1	-21.7	NA	NA	NA	1.0
-5.4	7.3	0.3	13.7	-4.7	10.0	-20.5	1.5
-5.2	6.6	-0.2	18.3	-4.5	8.6	-15.7	1.4
NA	NA	-1.2	NA	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	1.5
-5.4	8.0	-4.2	104.3	-4.5	10.0	-3.0	2.4
-5.4	8.0	2.6	90.7	-4.6	9.3	2.7	1.2
-4.5	6.1	-0.2	-67.2	NA	NA	NA	1.4
NA	NA	0.8	NA	NA	NA	NA	1.2
-5.2	3.2	0.4	75.4	-4.7	6.5	13.7	1.0
-5.1	3.8	0.1	52.5	-4.6	6.1	11.4	0.9
NA	NA	3.8	NA	NA	NA	NA	2.0
-4.7	8.0	1.8	-34.8	NA	NA	NA	1.4
-4.8	2.7	1.2	119.7	-4.5	10.0	26.7	1.0
-4.9	6.9	0.9	91.2	-4.4	1.7	19.4	1.0
-4.8	3.9	1.2	-58.5	NA	NA	NA	1.6
NA	NA	1.0	NA	NA	NA	NA	1.4
-4.7	1.6	-0.6	53.6	NA	NA	NA	1.0
-4.6	2.0	-0.7	47.3	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.7
-4.5	8.0	0.6	-16.4	NA	NA	NA	1.0
-5.0	8.0	-1.9	13.4	NA	NA	NA	1.7
-4.5	2.0	-1.5	45.4	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.7
-4.6	1.1	-1.4	-55.0	NA	NA	NA	1.2
NA	NA	-3.4	NA	NA	NA	NA	1.3
-4.4	3.0	-0.3	26.5	NA	NA	NA	1.0
NA	NA	-4.9	NA	NA	NA	NA	2.3
-5.0	1.0	0.3	-38.8	NA	NA	NA	1.3
NA	NA	-3.1	NA	NA	NA	NA	1.5
-4.7	8.0	-0.2	10.6	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.6
-4.4	2.5	-0.9	-68.2	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	3.8	0.0	30.8	NA	NA	NA	0.4
-4.2	8.0	1.9	-44.1	NA	NA	NA	1.6
NA	NA	-1.5	NA	NA	NA	NA	1.2
-4.9	5.5	-4.3	63.6	-4.1	9.7	18.4	1.7
-4.8	8.0	-0.8	86.4	-4.4	8.5	17.0	1.0
NA	NA	2.2	NA	NA	NA	NA	1.7
-4.7	1.4	-2.7	-65.5	NA	NA	NA	1.3
-5.3	0.8	-0.7	45.3	-4.4	10.0	2.6	1.5
-4.8	0.8	0.0	82.6	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.7	8.0	-1.8	-28.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.7	4.9	0.4	11.7	NA	NA	NA	0.4
-4.6	2.5	0.6	-54.2	NA	NA	NA	1.0
-4.2	3.1	0.1	206.5	NA	NA	NA	1.0
-4.4	1.6	-1.7	53.4	NA	NA	NA	1.8
-4.2	8.0	-0.5	-52.7	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.2
-4.2	4.8	2.6	135.1	NA	NA	NA	1.3
-4.2	8.0	-0.3	40.8	NA	NA	NA	1.0
-4.3	3.5	-2.1	-23.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
-4.4	4.1	1.1	84.0	NA	NA	NA	1.0
-4.3	2.4	0.2	37.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
NA	NA	-5.2	NA	NA	NA	NA	1.2
-4.8	8.0	-1.0	-32.1	NA	NA	NA	1.1
-5.0	1.7	-2.0	56.6	NA	NA	NA	1.6
-4.8	7.9	-0.5	77.0	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.9
NA	NA	-0.3	NA	NA	NA	NA	0.6
-5.0	1.1	-1.4	26.6	NA	NA	NA	1.5
-4.7	0.7	-1.4	27.9	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	0.7
-4.2	1.9	-5.6	72.1	NA	NA	NA	2.0
-4.4	8.0	-1.3	32.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
-6.7	8.0	1.3	-11.9	NA	NA	NA	1.0
-6.6	3.9	0.8	46.9	NA	NA	NA	1.3
-6.6	5.7	0.4	40.1	NA	NA	NA	1.2
NA	NA	3.0	NA	NA	NA	NA	1.1
-7.2	2.8	2.2	-9.8	NA	NA	NA	1.5
-7.6	7.3	-3.9	45.1	-5.4	1.2	5.1	2.6
-7.8	8.0	1.3	49.1	-6.5	0.4	11.9	2.0
NA	NA	4.8	NA	NA	NA	NA	1.7
-7.4	8.0	0.5	-13.2	NA	NA	NA	1.4
-7.6	8.0	2.1	42.0	NA	NA	NA	1.7
-7.6	8.0	1.2	34.5	NA	NA	NA	1.6
NA	NA	3.3	NA	NA	NA	NA	1.6
NA	NA	-10.1	NA	NA	NA	NA	1.8
-7.6	8.0	-1.5	28.3	NA	NA	NA	2.5
-7.6	5.5	-1.9	31.4	NA	NA	NA	1.5
NA	NA	4.5	NA	NA	NA	NA	1.9
-6.7	4.1	0.4	-9.7	NA	NA	NA	1.3
-6.8	4.5	1.1	42.3	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-6.7	3.5	1.1	38.9	NA	NA	NA	1.4
NA	NA	3.5	NA	NA	NA	NA	1.7
-7.5	8.0	0.8	-12.2	NA	NA	NA	1.0
-7.3	8.0	3.0	30.7	NA	NA	NA	2.4
-7.4	8.0	-0.2	30.4	NA	NA	NA	1.8
NA	NA	2.9	NA	NA	NA	NA	1.9
-5.0	1.7	-0.5	-77.6	NA	NA	NA	1.0
-5.1	1.7	0.8	23.7	-4.6	10.0	-27.5	1.0
-5.2	2.7	0.6	40.7	NA	NA	NA	1.0
-4.8	8.0	-1.9	-46.4	NA	NA	NA	1.7
-5.3	1.9	0.2	-46.0	NA	NA	NA	1.0
-4.8	1.7	0.3	-16.8	NA	NA	NA	1.0
-4.8	1.2	-0.1	58.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.8
-4.6	2.1	0.1	-103.4	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.5	2.8	0.2	104.8	NA	NA	NA	0.4
-4.6	3.0	-2.9	-127.4	NA	NA	NA	1.0
-4.6	1.4	-1.0	-83.7	NA	NA	NA	1.0
-4.9	2.6	0.2	27.7	-4.3	9.9	4.7	1.0
-4.6	2.0	0.4	123.5	NA	NA	NA	0.9
NA	NA	1.3	NA	NA	NA	NA	1.8
-4.8	1.2	-0.7	-92.4	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.6	2.1	0.1	22.9	NA	NA	NA	0.3
-4.5	3.4	-0.4	-125.0	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.4	1.0	1.8	57.1	NA	NA	NA	1.7
-4.5	1.1	1.4	35.2	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.8	1.6	0.4	-80.9	NA	NA	NA	1.0
-4.2	8.0	0.0	-45.2	NA	NA	NA	1.2
-4.8	2.3	-0.3	88.6	-4.3	9.9	42.0	1.2
-4.3	3.0	0.3	-119.0	NA	NA	NA	1.0
-5.1	1.0	1.1	-48.5	NA	NA	NA	1.1
-5.4	1.1	-1.9	95.5	-4.4	4.2	-186.3	1.9
-5.6	1.6	-0.7	76.7	-4.4	10.0	-3.9	1.4
-4.2	2.6	0.0	-108.3	NA	NA	NA	1.6
-4.6	0.8	-0.5	-67.2	NA	NA	NA	1.6
-4.3	3.9	-0.9	-19.9	NA	NA	NA	1.0
-4.8	0.8	-0.1	33.7	NA	NA	NA	1.0
-4.3	5.4	-0.7	-76.9	NA	NA	NA	1.6
-4.1	1.2	1.2	-93.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	2.5	0.1	82.8	NA	NA	NA	0.4
-4.4	1.7	-0.4	-101.7	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	-0.6	-94.6	NA	NA	NA	1.2
-4.6	6.3	0.0	34.6	-4.2	10.0	-2.0	0.5
-4.5	3.5	0.6	104.7	NA	NA	NA	0.9
-4.2	3.6	-1.5	-98.7	NA	NA	NA	1.9
-4.3	1.0	0.6	-102.9	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	2.8	0.3	31.6	NA	NA	NA	0.3
-4.2	8.0	-5.1	-132.8	NA	NA	NA	2.1
-4.1	2.2	1.8	-63.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	2.5	-0.1	46.7	NA	NA	NA	1.0
-4.2	3.1	-2.1	-125.7	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	1.0
-4.8	8.0	1.4	27.6	NA	NA	NA	1.0
-4.8	8.0	1.3	19.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.4	1.4	-4.3	155.6	NA	NA	NA	1.8
-4.5	2.0	-1.8	94.5	NA	NA	NA	1.0
NA	NA	-6.9	NA	NA	NA	NA	1.7
-5.5	3.1	0.7	-18.5	-4.3	1.3	-3.8	0.8
-5.1	1.3	-3.1	68.5	NA	NA	NA	1.8
-5.4	2.4	0.6	51.4	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.6
-5.1	2.6	1.7	-85.5	NA	NA	NA	1.0
-5.3	8.0	-0.7	56.7	-4.7	5.7	-31.8	1.0
-5.2	7.6	-0.4	79.2	-3.9	1.9	49.0	1.1
-4.8	2.8	-1.4	-93.1	NA	NA	NA	1.5
-4.8	4.5	0.8	-72.5	NA	NA	NA	1.0
-4.5	1.7	-0.1	-121.1	NA	NA	NA	2.1
-4.8	7.9	-0.3	63.7	-4.4	9.6	-19.5	1.0
-4.9	1.5	-0.6	-116.0	NA	NA	NA	1.8
-4.7	3.8	2.5	-75.8	NA	NA	NA	1.5
-4.4	1.4	0.4	-42.5	NA	NA	NA	1.0
-4.3	2.7	-1.2	151.4	NA	NA	NA	1.0
-4.6	0.8	-3.9	-131.5	NA	NA	NA	2.2
-4.8	3.3	1.4	-90.9	NA	NA	NA	0.8
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	4.0	-0.1	145.2	NA	NA	NA	0.4
-4.9	5.7	-2.3	-98.4	NA	NA	NA	1.0
-4.8	1.6	2.0	-98.5	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	1.9	-0.7	175.3	NA	NA	NA	0.9
-5.0	1.5	-2.5	-102.4	NA	NA	NA	1.7
-4.7	4.4	-0.1	-84.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.7	4.3	0.2	29.3	NA	NA	NA	0.3
-4.7	4.7	-1.9	-101.3	NA	NA	NA	1.7
-4.8	1.9	-0.6	-92.8	NA	NA	NA	1.2
-4.8	2.9	-1.1	-27.5	NA	NA	NA	1.0
-4.3	1.9	0.8	283.0	NA	NA	NA	1.0
-4.7	6.9	0.2	-99.3	NA	NA	NA	1.7
-4.5	3.1	-1.5	-44.1	NA	NA	NA	1.3
-4.7	1.5	-3.0	40.6	NA	NA	NA	1.7
-4.6	3.1	-2.0	81.7	NA	NA	NA	1.4
NA	NA	-11.3	NA	NA	NA	NA	2.2
-5.5	7.9	-2.1	-14.1	NA	NA	NA	1.0
-5.2	2.4	-0.3	49.1	NA	NA	NA	1.1
-5.3	2.2	0.1	49.6	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.8
-4.4	1.0	-0.7	-58.2	NA	NA	NA	1.0
-4.9	1.6	-1.3	114.3	-4.4	10.0	-127.8	2.3
-4.9	1.8	0.8	99.9	-4.3	10.0	4.4	1.4
-4.2	2.0	0.3	-109.5	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.3
-4.3	1.5	-0.4	75.1	NA	NA	NA	1.0
-4.3	2.8	0.2	73.6	NA	NA	NA	1.0
-4.7	1.6	-3.3	-80.1	NA	NA	NA	2.0
-4.3	2.5	-0.6	-98.7	NA	NA	NA	1.0
-4.8	2.2	-0.1	5.5	NA	NA	NA	0.5
-4.1	2.5	0.1	125.8	NA	NA	NA	0.4
-4.5	1.4	-0.4	-127.2	NA	NA	NA	1.4
-4.3	1.8	0.3	-61.2	NA	NA	NA	1.1
-4.5	1.3	-0.2	47.9	NA	NA	NA	1.0
-4.1	1.2	-0.3	116.5	NA	NA	NA	0.9
-4.5	1.8	-1.6	-88.0	NA	NA	NA	1.8
-4.1	1.1	-1.0	-56.2	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	0.2
-4.1	0.9	0.1	24.8	NA	NA	NA	0.3
-4.2	3.7	-2.5	-90.7	NA	NA	NA	1.8
-4.7	1.7	0.2	-77.7	NA	NA	NA	1.0
-5.1	2.7	-0.1	51.6	-4.4	10.0	8.6	1.0
-4.7	1.9	-0.2	182.3	-4.0	10.0	103.6	1.0
-4.6	2.1	1.0	-100.0	NA	NA	NA	1.7
-4.2	3.5	-1.5	-82.5	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.4
-4.3	7.8	0.4	28.7	NA	NA	NA	1.0
-4.2	4.5	-0.6	-73.0	NA	NA	NA	1.3
-4.2	0.9	-1.2	-54.1	NA	NA	NA	1.2
-5.1	3.4	-1.5	72.0	-4.4	10.0	-83.9	2.1
-5.0	2.6	0.8	89.1	-4.6	7.9	-0.8	1.6
-4.2	3.2	-0.5	-115.5	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.1	8.0	-0.5	-19.2	NA	NA	NA	1.1
-4.6	2.4	0.0	56.0	NA	NA	NA	1.0
-4.3	2.5	0.8	78.2	NA	NA	NA	1.0
-4.7	3.1	-0.8	-80.0	NA	NA	NA	1.6
-4.3	2.4	-0.7	-106.7	NA	NA	NA	1.0
-4.7	1.5	0.1	7.3	NA	NA	NA	0.5
-4.3	2.7	0.3	108.7	NA	NA	NA	0.4
-4.7	1.6	-0.3	-106.0	NA	NA	NA	1.2
-4.2	1.9	-0.7	-62.8	NA	NA	NA	1.0
-4.4	1.3	-0.3	36.0	NA	NA	NA	1.0
-4.2	2.3	0.3	103.1	NA	NA	NA	0.9
-4.6	4.2	1.0	-76.6	NA	NA	NA	2.0
-4.2	3.6	-0.5	-82.6	NA	NA	NA	1.2
-4.7	1.3	0.0	12.8	-4.0	9.4	-17.1	0.5
-4.3	2.6	0.2	34.8	NA	NA	NA	0.3
-4.2	3.7	-1.0	-95.4	NA	NA	NA	1.3
-4.6	2.5	-0.6	-78.6	NA	NA	NA	1.0
-5.1	3.2	-0.2	46.8	-4.4	9.8	4.0	1.0
-4.7	2.4	0.1	137.9	NA	NA	NA	1.0
-4.6	2.7	-1.2	-100.0	NA	NA	NA	1.4
-4.9	1.5	0.5	-27.3	NA	NA	NA	1.0
-5.0	1.3	1.4	131.8	-4.3	10.0	-54.0	2.0
-4.7	1.1	0.2	120.6	-4.2	10.0	9.4	1.3
-4.2	4.0	0.2	-91.2	NA	NA	NA	1.4
-4.2	8.0	0.6	-21.0	NA	NA	NA	1.2
-4.4	1.5	0.6	75.8	NA	NA	NA	1.0
-4.1	2.0	0.3	85.5	NA	NA	NA	1.0
-4.8	1.8	-0.2	-88.7	NA	NA	NA	2.1
-4.3	2.5	0.0	-105.8	NA	NA	NA	1.0
-4.5	1.5	0.2	10.2	NA	NA	NA	0.5
-4.2	3.0	0.2	137.6	NA	NA	NA	0.4
-4.5	1.4	-0.3	-121.1	NA	NA	NA	1.3
-4.3	3.0	1.1	-55.6	NA	NA	NA	1.4
-4.3	1.0	0.6	41.3	NA	NA	NA	1.0
-4.2	1.7	0.3	88.9	NA	NA	NA	0.9
-4.3	2.6	-1.4	-100.7	NA	NA	NA	1.9
-4.2	3.1	-0.4	-88.7	NA	NA	NA	1.2
-4.8	1.2	0.0	14.0	-4.0	10.0	-30.7	0.5
-4.2	1.6	0.2	40.3	NA	NA	NA	0.3
-4.3	3.0	-0.4	-115.4	NA	NA	NA	1.5
-4.6	1.5	0.4	-82.4	NA	NA	NA	1.1
-4.7	1.4	0.0	67.6	-4.2	10.0	10.3	1.0
-4.6	2.1	0.1	182.8	-4.0	10.0	72.1	1.0
-4.5	3.9	-0.8	-98.3	NA	NA	NA	1.9
-5.1	3.1	-0.4	-35.4	NA	NA	NA	1.0
-5.3	1.8	-0.8	96.0	NA	NA	NA	1.2



ga	gw	zr	tp	la	lw	bt	er
-5.2	2.0	-0.5	117.0	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	1.4
-4.8	1.8	-1.3	66.0	NA	NA	NA	1.1
-5.7	1.8	-1.4	74.6	-4.9	10.0	-111.2	1.9
-5.8	2.7	0.3	32.1	-4.9	4.7	-67.7	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.9
-5.1	3.5	-0.1	-42.5	NA	NA	NA	1.1
-5.0	2.6	0.8	255.5	NA	NA	NA	1.0
-5.1	3.3	0.6	198.2	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	2.0
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.4	6.2	-0.3	30.0	NA	NA	NA	1.0
-6.8	8.0	-0.8	75.5	-6.3	6.5	4.3	1.0
NA	NA	2.7	NA	NA	NA	NA	1.8
-4.5	2.4	-1.1	-65.4	NA	NA	NA	1.0
-4.4	8.0	3.2	-173.8	NA	NA	NA	1.7
-5.0	8.0	1.7	22.5	-4.3	2.7	-12.6	1.2
-4.4	6.4	-3.2	-83.5	NA	NA	NA	1.4
-4.6	2.4	-3.0	-108.6	NA	NA	NA	1.0
-4.9	3.5	-0.4	-6.8	NA	NA	NA	0.5
-4.5	4.7	0.7	118.5	NA	NA	NA	0.4
-4.8	7.9	3.7	-100.7	NA	NA	NA	1.5
-4.5	5.0	0.3	-74.6	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.0
-4.4	6.1	-0.8	96.1	NA	NA	NA	0.9
-4.4	3.8	-2.7	-102.0	NA	NA	NA	1.6
-4.4	3.2	0.3	-40.6	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	0.7
-4.5	2.1	0.6	19.3	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.7
-4.5	3.9	-0.3	-64.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.6
-4.6	8.0	0.8	15.6	NA	NA	NA	1.0
-4.5	8.0	-0.3	-58.7	NA	NA	NA	1.4
-4.5	1.9	-0.6	-62.3	NA	NA	NA	1.0
-4.4	8.0	-1.3	-88.2	NA	NA	NA	2.0
-5.0	1.5	-1.5	29.8	-4.4	10.0	-13.0	1.6
-4.4	6.3	-3.8	-95.3	NA	NA	NA	1.6
-4.6	6.7	-1.1	-83.7	NA	NA	NA	1.1
-4.6	6.4	0.0	-5.7	NA	NA	NA	0.5
-4.5	5.2	0.1	74.4	NA	NA	NA	0.4
-4.5	3.2	-0.2	-98.7	NA	NA	NA	1.2
-4.6	3.6	0.4	-84.9	NA	NA	NA	1.1
-4.7	1.3	0.1	-13.8	NA	NA	NA	1.0
-4.4	8.0	-0.6	97.4	NA	NA	NA	0.9
-4.6	2.7	0.0	-88.1	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.2	2.4	-0.9	-110.0	NA	NA	NA	1.0
-5.7	6.3	-0.2	5.8	-4.2	3.4	-32.3	1.0
-4.3	7.9	0.5	122.4	NA	NA	NA	1.0
-4.1	3.9	-0.2	-119.1	NA	NA	NA	1.9
-4.7	8.0	0.5	-11.5	NA	NA	NA	0.7
NA	NA	5.0	NA	NA	NA	NA	2.2
-4.6	6.5	0.7	35.6	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.6
-4.4	6.3	-0.9	-23.6	NA	NA	NA	0.6
NA	NA	3.0	NA	NA	NA	NA	2.3
-4.3	4.0	1.2	63.0	NA	NA	NA	1.2
NA	NA	-4.7	NA	NA	NA	NA	1.7
-4.4	2.2	1.7	-26.4	NA	NA	NA	1.0
-4.7	8.0	0.1	17.9	NA	NA	NA	1.0
-4.6	3.6	-0.5	26.1	NA	NA	NA	0.9
-4.4	8.0	-5.3	-52.9	NA	NA	NA	1.5
-4.3	5.9	-1.1	-48.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.1
-4.0	4.1	-0.5	33.9	NA	NA	NA	0.5
-4.1	8.0	-1.2	-82.7	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	1.0
-4.7	1.9	1.1	55.0	NA	NA	NA	1.1
-4.5	2.3	-0.4	64.4	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.4
-4.5	8.0	-1.4	-25.0	NA	NA	NA	1.0
-4.5	4.9	0.1	48.8	NA	NA	NA	1.0
-4.5	6.1	0.1	60.2	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.5
-4.9	1.9	1.0	-78.2	NA	NA	NA	1.0
-5.1	8.0	0.5	19.1	-4.6	3.3	-25.1	1.1
-5.0	6.2	-0.2	64.6	-4.4	2.3	24.9	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.3
-5.1	1.8	-0.1	-38.1	NA	NA	NA	0.5
-5.4	0.8	-5.0	28.0	-4.7	10.0	-73.2	1.4
-5.1	1.2	-1.7	40.2	-4.4	10.0	0.8	1.0
NA	NA	0.2	NA	NA	NA	NA	1.6
-4.9	1.3	0.4	-55.5	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.6
-4.7	1.0	-0.1	54.4	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.8
-4.6	2.7	1.1	-84.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.6	3.0	0.0	47.6	NA	NA	NA	0.4
-4.4	0.8	-0.6	-37.7	NA	NA	NA	1.0
-4.6	1.6	-1.7	-76.7	NA	NA	NA	1.0
-5.1	2.9	0.3	23.9	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.0	0.5	113.5	NA	NA	NA	0.9
NA	NA	-1.4	NA	NA	NA	NA	2.0
-4.5	2.7	-0.2	-58.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.4
-4.4	3.0	0.1	41.0	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.6
NA	NA	2.0	NA	NA	NA	NA	0.9
-4.5	4.3	0.1	46.2	-4.0	10.0	-31.6	1.6
-4.4	8.0	-0.2	-46.9	NA	NA	NA	1.0
NA	NA	-4.7	NA	NA	NA	NA	2.1
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.5	8.0	-1.1	72.5	NA	NA	NA	1.9
-4.5	4.8	0.6	46.9	-4.0	9.2	-40.5	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.7
NA	NA	-0.5	NA	NA	NA	NA	0.5
-4.6	5.6	-0.6	45.1	-4.1	9.3	1.5	1.0
-4.7	8.0	-0.1	20.5	NA	NA	NA	0.9
NA	NA	-4.0	NA	NA	NA	NA	1.4
NA	NA	-2.9	NA	NA	NA	NA	1.0
-4.7	8.0	-1.1	36.1	NA	NA	NA	1.5
-4.6	2.2	0.2	52.3	NA	NA	NA	1.2
NA	NA	-3.5	NA	NA	NA	NA	1.8
-5.0	1.9	2.2	-49.6	NA	NA	NA	1.0
-5.3	1.7	-1.8	85.9	-4.7	10.0	-27.7	1.7
-5.0	2.2	-2.1	114.7	-4.6	10.0	0.1	1.7
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.5	1.2	3.6	-18.8	NA	NA	NA	1.2
-5.0	2.6	0.8	66.0	-4.5	5.3	21.1	1.0
-5.0	3.1	-0.7	55.1	-4.5	7.2	23.6	0.9
-4.6	4.0	-0.3	-53.3	NA	NA	NA	1.2
-4.3	2.8	-0.3	-39.9	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	1.9	0.2	15.4	NA	NA	NA	0.4
NA	NA	0.7	NA	NA	NA	NA	1.3
-4.4	2.2	-0.1	-25.5	NA	NA	NA	1.0
-4.8	0.8	-1.5	37.1	-3.9	9.7	-4.7	1.3
-4.4	1.6	-0.6	47.9	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.5	4.4	-7.1	54.7	-4.3	10.0	5.0	2.1
-4.5	4.0	-4.6	37.0	NA	NA	NA	1.1
NA	NA	1.0	NA	NA	NA	NA	1.4
NA	NA	1.1	NA	NA	NA	NA	0.6
-4.5	4.3	1.6	29.2	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	0.8
NA	NA	-0.1	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.6	NA	NA	NA	NA	0.8
-4.7	8.0	1.7	42.8	NA	NA	NA	1.3
-4.6	2.1	1.1	37.1	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.1
-4.9	0.9	-2.4	-41.7	NA	NA	NA	1.4
NA	NA	-2.1	NA	NA	NA	NA	1.0
-4.7	1.8	0.8	17.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.6
-4.5	1.0	-0.5	-65.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.6	2.4	0.3	16.3	NA	NA	NA	0.4
NA	NA	1.7	NA	NA	NA	NA	0.7
-5.0	1.1	1.5	-50.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.3
-4.8	1.3	-0.5	23.0	NA	NA	NA	0.9
NA	NA	-2.4	NA	NA	NA	NA	2.1
-4.6	1.4	-3.4	-66.1	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	0.4
-4.5	1.8	1.6	38.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.6
-4.7	6.2	0.9	-75.3	NA	NA	NA	1.1
-4.5	8.0	0.8	-38.1	NA	NA	NA	1.5
-4.9	5.6	-0.3	68.2	-4.4	9.0	13.4	1.0
-4.8	8.0	-1.6	-81.5	NA	NA	NA	1.3
-4.6	1.1	0.2	-42.6	NA	NA	NA	1.5
NA	NA	-1.8	NA	NA	NA	NA	0.9
-4.4	1.3	-0.6	20.9	NA	NA	NA	1.0
-4.5	4.3	-4.1	-84.9	NA	NA	NA	1.6
-4.5	2.8	-1.3	-93.6	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	5.1	0.4	79.7	NA	NA	NA	0.9
-4.5	2.6	-0.3	-84.2	NA	NA	NA	1.9
-4.7	8.0	0.6	-56.1	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	3.6	0.0	26.4	NA	NA	NA	0.3
-4.5	4.2	0.0	-111.3	NA	NA	NA	1.5
-4.4	3.3	-2.1	-100.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.4
-4.5	8.0	0.2	43.4	NA	NA	NA	0.5
-4.4	7.0	-0.1	-120.0	NA	NA	NA	1.4
-5.1	8.0	0.3	-23.7	NA	NA	NA	1.0
-5.2	8.0	-0.6	59.5	-4.1	10.0	29.1	1.0
-5.2	8.0	-0.6	67.5	-4.1	10.0	21.5	1.0
NA	NA	0.2	NA	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	0.7
-5.2	8.0	0.1	73.9	-4.6	9.6	27.4	0.5

ga	gw	zr	tp	la	lw	bt	er
-5.1	7.2	-0.1	73.3	-4.8	9.2	26.0	0.4
NA	NA	1.8	NA	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	1.4
-6.3	2.3	-0.4	54.7	-4.5	9.8	10.9	1.5
-5.5	0.8	-1.4	81.4	-4.5	6.1	7.3	1.3
NA	NA	0.3	NA	NA	NA	NA	1.6
-4.6	1.9	-0.7	-17.6	NA	NA	NA	1.0
-4.6	4.7	-1.0	18.3	NA	NA	NA	1.0
-4.7	7.6	-0.2	19.4	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	2.0
-5.1	5.2	2.0	-25.4	NA	NA	NA	1.0
-5.1	8.0	-0.9	53.7	-4.4	9.6	27.8	1.4
-4.9	3.1	-1.1	76.2	-4.5	10.0	36.6	1.1
NA	NA	-3.4	NA	NA	NA	NA	1.8
-5.0	4.6	2.5	-18.7	-4.6	9.9	-4.0	0.8
-4.9	5.5	0.3	124.6	-4.6	9.8	30.6	0.5
-4.9	5.3	-0.3	101.5	-4.6	9.9	23.8	0.4
NA	NA	-6.3	NA	NA	NA	NA	2.0
-4.7	8.0	0.5	-9.0	NA	NA	NA	1.1
-6.1	1.3	0.2	66.8	-4.5	3.8	44.0	1.4
-6.1	1.2	-1.5	49.4	-4.4	10.0	12.1	1.2
NA	NA	-5.8	NA	NA	NA	NA	2.5
NA	NA	-2.2	NA	NA	NA	NA	1.1
-4.6	1.5	-0.4	49.7	NA	NA	NA	1.0
-4.6	1.5	-0.5	40.9	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.7
-5.6	2.4	-1.1	-18.2	-4.4	4.4	20.0	0.5
-5.5	7.2	-0.6	58.5	NA	NA	NA	1.9
-5.6	3.1	0.7	67.6	-4.3	10.0	18.3	1.0
NA	NA	1.3	NA	NA	NA	NA	1.5
-6.2	8.0	-0.3	-18.5	NA	NA	NA	1.1
-6.1	8.0	-0.4	85.9	-5.7	9.9	25.2	1.0
-6.1	8.0	-0.1	92.6	-5.7	10.0	28.3	1.3
-6.4	8.0	1.9	-28.7	NA	NA	NA	1.8
-5.1	0.5	0.6	-24.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.8
-5.0	2.6	0.8	16.7	-3.8	2.3	-20.0	1.0
NA	NA	-7.2	NA	NA	NA	NA	2.1
-4.7	0.9	0.1	-29.0	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.2
-4.8	3.4	0.1	36.0	-4.3	4.5	-0.1	0.5
-6.1	1.5	2.5	-22.2	NA	NA	NA	1.6
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.5	2.6	1.4	49.7	NA	NA	NA	1.0
-4.5	2.7	0.2	17.5	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-5.4	1.4	-0.3	-16.9	NA	NA	NA	1.0
-4.7	0.7	-6.0	96.4	NA	NA	NA	1.9
-4.8	0.7	-3.1	82.0	NA	NA	NA	1.1
NA	NA	1.6	NA	NA	NA	NA	1.3
-4.3	2.1	-2.2	-37.6	NA	NA	NA	1.0
-4.5	1.7	3.7	51.4	NA	NA	NA	1.7
-4.3	2.0	2.9	79.0	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	0.8
NA	NA	-2.0	NA	NA	NA	NA	1.4
-4.8	8.0	0.6	37.2	NA	NA	NA	1.4
-4.5	7.1	1.3	44.2	NA	NA	NA	1.3
NA	NA	-1.7	NA	NA	NA	NA	1.3
-5.0	4.1	-0.3	18.2	NA	NA	NA	0.9
-5.0	8.0	1.9	43.4	NA	NA	NA	1.2
NA	NA	2.1	NA	NA	NA	NA	0.4
NA	NA	1.3	NA	NA	NA	NA	1.3
-4.7	0.5	-0.7	-25.0	NA	NA	NA	1.1
-5.0	1.9	-0.7	75.2	NA	NA	NA	2.0
-4.5	1.1	1.8	126.8	NA	NA	NA	1.4
-4.9	1.4	-3.3	-31.3	NA	NA	NA	1.0
-5.0	8.0	-0.9	-12.4	NA	NA	NA	0.7
-4.5	2.7	-2.1	114.8	NA	NA	NA	1.4
-4.6	1.8	-0.9	89.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.4
-4.4	1.0	-0.4	-33.1	NA	NA	NA	1.0
-4.8	1.2	-2.6	97.0	-4.0	10.0	29.5	1.8
-4.7	1.1	-0.4	99.5	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	2.0
-4.7	1.1	-0.7	-48.3	NA	NA	NA	1.5
-5.2	2.1	1.2	56.5	-4.6	4.2	8.0	1.1
-4.9	1.4	0.9	69.6	NA	NA	NA	1.1
-4.4	1.1	1.1	-69.9	NA	NA	NA	1.2
-4.5	8.0	0.3	-43.4	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	0.4
-4.5	8.0	-0.6	22.8	NA	NA	NA	0.5
-4.5	7.0	-0.7	-98.0	NA	NA	NA	1.4
-4.5	3.7	-0.6	-93.9	NA	NA	NA	1.0
-4.4	4.4	0.1	-26.4	NA	NA	NA	1.0
-4.4	8.0	0.3	205.4	NA	NA	NA	1.0
-4.6	3.2	-1.6	-107.6	NA	NA	NA	1.3
-4.5	2.2	-0.4	-24.1	NA	NA	NA	0.9
-4.9	1.5	1.3	52.9	NA	NA	NA	1.2
-4.4	1.1	0.3	98.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.6
-5.2	1.6	0.7	-17.7	-4.4	10.0	22.4	0.8
-4.9	1.9	-1.0	157.4	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.7	-0.3	125.7	-4.1	9.0	-4.0	1.3
NA	NA	1.0	NA	NA	NA	NA	1.5
-4.7	1.4	0.0	-27.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-5.2	6.5	-0.1	15.9	NA	NA	NA	0.9
NA	NA	3.2	NA	NA	NA	NA	1.6
-4.4	3.2	0.2	-94.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.1
-4.3	5.2	-0.5	83.1	NA	NA	NA	0.5
-4.3	8.0	-5.0	-121.1	NA	NA	NA	2.1
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.4	6.5	-2.1	59.6	NA	NA	NA	1.6
-4.4	5.3	-1.4	50.6	NA	NA	NA	1.0
NA	NA	-3.6	NA	NA	NA	NA	1.9
-4.8	8.0	0.8	-13.8	NA	NA	NA	1.2
-4.6	1.3	0.7	132.7	NA	NA	NA	1.7
-4.7	1.6	-0.3	114.1	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.7
-4.7	5.2	-3.3	-77.3	NA	NA	NA	1.3
-5.5	5.3	1.8	20.3	-4.7	3.2	-41.2	1.3
-4.5	3.5	2.2	59.2	NA	NA	NA	1.1
-4.6	3.1	2.2	-118.9	NA	NA	NA	1.1
-4.7	8.0	1.2	-27.7	NA	NA	NA	1.0
-5.2	3.2	0.1	65.3	-4.6	5.7	-79.7	1.7
-5.2	3.5	-0.1	40.1	-4.6	4.7	-27.2	1.0
-4.6	8.0	-2.6	-98.0	NA	NA	NA	1.7
-4.6	4.3	-0.2	-54.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.8
-4.5	7.2	0.2	27.8	NA	NA	NA	0.5
-4.6	3.0	-1.1	-111.5	NA	NA	NA	1.7
-4.8	8.0	0.4	-80.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	5.3	0.0	96.1	NA	NA	NA	0.4
-4.8	5.5	0.6	-106.0	NA	NA	NA	1.0
-4.5	3.1	0.0	-82.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.3
-4.5	4.3	0.1	65.3	NA	NA	NA	0.5
-4.7	8.0	-9.1	-72.5	NA	NA	NA	1.9
-4.6	3.1	1.5	-89.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	4.5	0.0	25.7	NA	NA	NA	0.3
-4.7	5.9	-1.2	-101.7	NA	NA	NA	1.6
-4.5	2.9	0.7	-99.9	NA	NA	NA	1.0
-4.4	4.5	0.9	-24.4	NA	NA	NA	1.0
-4.4	4.3	-0.8	127.9	NA	NA	NA	1.0
-4.4	5.3	-1.1	-121.0	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.0	2.0	0.6	-83.1	NA	NA	NA	1.0
-5.3	1.6	0.0	36.1	-4.6	5.4	-38.0	1.0
-5.0	1.7	-0.4	87.7	-4.2	10.0	36.6	1.0
-4.5	8.0	1.1	-86.3	NA	NA	NA	1.2
-4.7	1.4	3.0	-61.0	NA	NA	NA	1.3
-4.6	3.5	2.5	-150.9	NA	NA	NA	2.2
-5.4	3.3	-0.8	22.1	-4.7	4.3	-18.9	1.0
-5.1	4.5	3.3	-102.4	NA	NA	NA	1.6
-4.5	0.9	-0.8	-80.3	NA	NA	NA	1.0
-4.5	3.9	0.3	-34.6	NA	NA	NA	1.0
-4.8	1.1	0.6	45.8	NA	NA	NA	1.0
-4.5	3.2	1.8	-92.6	NA	NA	NA	2.1
-4.8	4.3	0.2	-87.7	NA	NA	NA	1.0
-4.5	1.6	0.3	-11.8	NA	NA	NA	0.5
-4.7	5.0	0.1	92.5	NA	NA	NA	0.4
-4.7	8.0	3.1	-101.2	NA	NA	NA	1.0
-4.8	1.9	1.0	-83.2	NA	NA	NA	1.0
-4.8	2.0	0.8	-16.0	NA	NA	NA	1.0
-4.4	1.9	0.1	143.5	NA	NA	NA	0.9
-4.6	6.6	0.0	-97.2	NA	NA	NA	1.2
-4.5	1.1	-0.8	-96.0	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	1.2	0.0	17.4	NA	NA	NA	0.3
-4.2	3.3	0.8	-121.7	NA	NA	NA	1.5
-4.7	8.0	-1.6	-84.4	NA	NA	NA	1.0
-4.6	7.4	0.4	-29.6	NA	NA	NA	1.0
-4.2	2.3	0.4	167.6	NA	NA	NA	1.0
-4.5	7.4	0.6	-101.7	NA	NA	NA	1.9
-4.8	1.9	1.6	-60.2	NA	NA	NA	1.0
-5.3	2.3	1.2	198.9	-4.6	4.3	-196.7	1.8
-5.3	2.2	-1.3	116.4	-4.7	9.2	-25.8	1.4
-4.6	8.0	0.6	-98.5	NA	NA	NA	1.6
-4.2	4.6	1.0	-99.5	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	4.8	0.1	61.6	NA	NA	NA	0.4
-4.3	2.1	-1.3	-123.4	NA	NA	NA	1.1
-4.2	4.0	-0.4	-93.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	0.2	24.5	NA	NA	NA	0.3
-4.3	1.8	-3.6	-130.4	NA	NA	NA	2.1
-4.2	7.8	-1.5	-51.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.4
-4.2	8.0	0.1	40.0	NA	NA	NA	0.5
-4.2	8.0	-2.8	-92.1	NA	NA	NA	1.7
-4.3	0.5	-2.9	-22.4	NA	NA	NA	1.1
-4.5	3.8	-4.4	37.5	NA	NA	NA	1.8



ga	gw	zr	tp	la	lw	bt	er
-4.3	1.3	2.3	51.2	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.1
-4.2	1.8	-0.6	-26.9	NA	NA	NA	1.0
-4.9	0.9	1.4	90.2	-4.2	9.9	34.6	2.0
-4.8	1.1	0.9	73.5	NA	NA	NA	1.4
NA	NA	-3.0	NA	NA	NA	NA	1.6
NA	NA	-2.1	NA	NA	NA	NA	0.9
-4.6	0.7	-0.8	70.1	-4.3	10.0	3.0	2.1
-4.9	2.0	1.2	54.5	-4.3	10.0	1.1	1.2
-4.1	4.6	-4.7	-76.5	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.7	8.0	1.9	116.8	NA	NA	NA	1.9
-4.6	2.2	-0.8	109.4	-4.0	10.0	42.6	1.0
-4.1	8.0	-0.9	-87.5	NA	NA	NA	1.5
-4.2	4.3	-0.1	-65.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.3
-4.2	3.6	0.3	73.6	NA	NA	NA	0.9
-4.3	2.8	3.1	-95.2	NA	NA	NA	1.8
-4.1	4.0	-0.7	-88.9	NA	NA	NA	1.0
-4.2	3.2	-1.6	-18.0	NA	NA	NA	1.0
-4.1	6.7	-0.6	80.2	NA	NA	NA	1.0
-4.2	2.8	-0.8	-132.1	NA	NA	NA	1.1
-4.7	5.1	0.4	-86.2	NA	NA	NA	1.0
-5.2	2.7	-2.0	35.9	-4.5	10.0	-28.6	1.1
-4.5	1.2	-2.2	99.5	NA	NA	NA	1.0
-4.6	6.8	-0.7	-91.2	NA	NA	NA	1.1
-4.8	8.0	2.9	-67.4	NA	NA	NA	1.3
-6.0	1.7	2.5	24.2	-4.8	10.0	-158.7	2.0
NA	NA	0.5	NA	NA	NA	NA	1.3
-4.9	7.6	-5.3	-93.2	NA	NA	NA	1.9
-4.2	5.4	-2.2	-98.8	NA	NA	NA	1.4
-4.2	4.0	-0.8	-26.5	NA	NA	NA	1.0
-4.2	8.0	1.0	167.9	NA	NA	NA	1.0
-4.2	5.1	-2.0	-129.0	NA	NA	NA	1.9
-4.4	8.0	0.1	-86.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	5.0	0.0	226.9	NA	NA	NA	0.4
-4.6	6.8	1.5	-99.7	NA	NA	NA	1.0
-4.3	8.0	-0.2	-86.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	5.6	-0.3	182.8	NA	NA	NA	0.9
-4.2	4.0	-1.0	-111.5	NA	NA	NA	2.3
-4.3	3.0	-3.1	-103.1	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	5.7	0.5	44.6	NA	NA	NA	0.3
-4.4	4.8	-1.7	-100.1	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.9	1.4	-85.7	NA	NA	NA	1.0
-4.5	7.9	0.4	-19.4	NA	NA	NA	1.0
-4.2	3.0	-1.0	298.7	NA	NA	NA	1.0
-4.5	8.0	-2.2	-93.3	NA	NA	NA	1.5
-4.3	2.0	-1.0	-101.7	NA	NA	NA	1.5
-5.0	2.5	0.6	34.6	-4.4	9.5	-21.7	1.3
-4.7	1.7	0.0	52.4	NA	NA	NA	1.1
-4.2	3.3	0.8	-118.6	NA	NA	NA	1.3
-4.3	5.5	0.0	-55.2	NA	NA	NA	1.1
-4.7	1.9	-0.6	55.2	-4.2	10.0	-106.1	2.1
-4.6	2.6	1.0	45.3	-4.2	10.0	1.5	1.3
-4.1	6.9	-7.4	-126.9	NA	NA	NA	2.2
-4.2	8.0	0.7	-56.3	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	0.0	62.9	NA	NA	NA	0.5
-4.3	8.0	-4.2	-69.8	NA	NA	NA	2.2
-4.2	2.5	0.3	-72.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.2	4.4	-0.2	40.0	NA	NA	NA	0.5
-4.1	8.0	1.4	-112.5	NA	NA	NA	1.8
-4.4	1.9	-0.7	-93.5	NA	NA	NA	1.0
-5.0	2.7	0.3	39.1	-4.4	10.0	-18.6	1.6
-5.1	6.8	0.6	41.9	NA	NA	NA	1.2
-4.4	4.8	0.0	-90.3	NA	NA	NA	1.1
-4.2	2.2	-0.6	-84.6	NA	NA	NA	1.2
-5.0	1.2	-1.7	73.7	-4.2	10.0	-134.4	2.2
-4.9	1.8	-0.1	74.6	-4.1	10.0	14.9	1.1
-4.3	8.0	4.1	-96.9	NA	NA	NA	1.8
-4.4	8.0	0.8	-47.5	NA	NA	NA	1.2
NA	NA	-2.2	NA	NA	NA	NA	1.1
-4.4	8.0	-1.3	25.4	NA	NA	NA	0.7
-4.2	4.5	-0.4	-110.5	NA	NA	NA	2.5
-4.2	3.3	-1.3	-110.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.3	0.3	144.5	NA	NA	NA	0.4
-4.2	8.0	0.3	-135.8	NA	NA	NA	1.1
-4.2	8.0	-0.7	-82.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	8.0	0.0	76.3	NA	NA	NA	0.5
-4.3	3.0	-0.3	-116.1	NA	NA	NA	2.2
-4.3	2.6	-2.5	-96.6	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	3.4	0.2	31.3	NA	NA	NA	0.3
-4.5	8.0	-1.4	-88.5	NA	NA	NA	1.5
-4.3	8.0	1.1	-75.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.6

ga	gw	zr	tp	la	lw	bt	er
-4.1	7.7	-0.2	156.5	NA	NA	NA	1.0
-4.1	4.0	3.0	-117.3	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.0
-5.2	4.2	-3.6	81.5	-4.3	10.0	-4.5	1.7
-5.1	4.3	-1.5	49.8	-4.4	10.0	1.6	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.8
-4.3	2.8	3.1	-36.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.4	8.0	-0.7	18.2	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.4
-4.8	3.5	0.4	-10.4	NA	NA	NA	1.0
-4.6	1.4	1.8	87.0	NA	NA	NA	1.8
-4.4	1.5	0.3	86.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
NA	NA	2.9	NA	NA	NA	NA	1.1
-4.2	2.4	-7.9	163.5	NA	NA	NA	2.0
-4.3	7.9	-5.5	73.9	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	1.2
NA	NA	-0.9	NA	NA	NA	NA	0.8
-4.4	8.0	-6.1	90.5	NA	NA	NA	1.5
-4.2	2.5	-4.3	104.3	NA	NA	NA	1.7
NA	NA	-4.9	NA	NA	NA	NA	1.8
NA	NA	0.2	NA	NA	NA	NA	1.3
-4.2	4.6	-0.5	53.6	NA	NA	NA	1.0
-4.2	4.1	-0.3	48.4	NA	NA	NA	0.9
NA	NA	1.8	NA	NA	NA	NA	1.5
-4.1	5.3	0.4	-44.1	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.7
-4.1	8.0	0.9	23.6	NA	NA	NA	0.5
-4.3	8.0	1.8	-50.5	NA	NA	NA	2.1
-5.0	2.3	0.8	-16.9	NA	NA	NA	1.0
-4.6	1.4	-5.7	84.6	NA	NA	NA	2.0
-4.7	3.1	-1.2	55.8	NA	NA	NA	1.1
NA	NA	4.5	NA	NA	NA	NA	1.4
-5.6	2.1	-4.6	-78.1	-5.0	9.9	-48.1	1.5
-6.7	3.9	1.9	77.7	-6.3	10.0	-33.0	1.5
-6.7	5.2	4.0	122.3	-6.5	10.0	2.0	2.0
-6.1	4.3	0.7	34.8	-5.5	10.0	-45.3	2.0
-7.5	0.7	4.3	-51.2	NA	NA	NA	1.6
-8.2	1.4	0.0	128.9	-7.5	10.0	-113.6	3.7
-8.2	1.7	-4.2	111.5	-7.5	10.0	-16.5	2.9
-7.5	2.4	2.1	-102.5	NA	NA	NA	1.3
-6.5	1.8	1.4	-76.0	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.0
-5.1	0.7	-1.1	132.7	NA	NA	NA	1.1
-6.0	5.3	2.0	-92.7	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-5.6	0.4	1.4	-74.5	NA	NA	NA	1.9
-7.7	2.8	-0.5	126.9	-7.4	5.2	7.7	1.8
-4.7	0.5	1.7	148.3	NA	NA	NA	1.8
-7.3	2.2	-2.4	-63.0	NA	NA	NA	2.6
-6.1	1.5	-3.5	-84.7	NA	NA	NA	1.4
-8.2	8.0	0.8	19.0	-7.4	1.2	-22.7	1.0
-5.3	1.2	0.6	147.6	NA	NA	NA	2.3
-5.9	4.7	-1.0	-94.4	NA	NA	NA	1.8
-5.6	2.4	-0.8	-73.9	-4.9	10.0	-45.3	1.4
-6.8	2.9	1.2	96.0	-6.3	10.0	-31.5	1.7
-6.5	1.3	-1.5	131.1	-6.3	10.0	6.8	2.0
-6.1	0.6	-0.2	40.2	-5.4	9.8	-38.7	1.9
-6.5	0.7	0.6	-53.4	NA	NA	NA	1.5
-7.6	1.8	-1.8	119.9	-6.5	10.0	-141.5	3.2
-7.6	2.1	-0.1	104.6	-6.6	10.0	-33.5	2.4
-6.6	3.9	3.2	-101.9	NA	NA	NA	1.6
-6.6	1.3	1.9	-79.6	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-5.5	0.8	-1.1	121.8	NA	NA	NA	1.5
-6.0	6.9	-2.2	-90.9	NA	NA	NA	1.9
-6.0	0.7	-1.1	-42.7	-4.3	9.9	-8.2	1.5
-6.9	1.5	-0.2	73.6	-6.7	3.4	8.8	1.2
-6.9	0.9	-2.2	65.2	-6.7	9.9	29.3	2.2
-7.0	4.4	0.2	-36.6	NA	NA	NA	2.4
-6.0	1.3	-1.6	-54.3	NA	NA	NA	1.2
NA	NA	-0.5	NA	NA	NA	NA	0.0
-5.2	1.0	0.0	14.4	NA	NA	NA	0.3
-5.6	8.0	9.4	-43.8	NA	NA	NA	2.1
-5.6	4.7	-2.6	-70.8	NA	NA	NA	1.6
-8.0	7.3	0.9	15.3	-6.7	1.3	-15.8	1.1
-4.5	1.0	2.2	221.6	NA	NA	NA	2.1
-5.5	4.7	-4.9	-92.8	NA	NA	NA	1.8
-4.3	3.1	-2.7	-46.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	3.3	0.6	16.9	NA	NA	NA	0.4
NA	NA	0.7	NA	NA	NA	NA	1.4
-4.3	3.2	0.9	-50.7	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	3.9	-0.6	26.6	NA	NA	NA	0.9
NA	NA	-1.9	NA	NA	NA	NA	1.8
-4.2	4.0	-1.9	-81.9	NA	NA	NA	1.0
-4.8	0.9	1.2	32.5	-4.4	10.0	-24.9	1.9
-5.0	3.6	1.7	33.4	-4.6	10.0	13.3	1.4
-4.2	4.1	0.7	-108.4	NA	NA	NA	1.1
-4.1	3.6	2.4	-78.9	NA	NA	NA	1.4
-4.5	0.6	-0.3	67.3	-4.2	10.0	-126.9	2.3

ga	gw	zr	tp	la	lw	bt	er
-4.6	1.9	0.2	48.7	-4.1	10.0	-3.5	1.1
-4.1	3.4	-0.7	-135.1	NA	NA	NA	1.9
-4.2	8.0	1.5	-95.4	NA	NA	NA	1.2
-4.4	4.4	-2.2	-33.7	NA	NA	NA	1.0
-4.2	8.0	-2.3	97.1	NA	NA	NA	1.1
-4.8	2.7	-3.9	-89.7	NA	NA	NA	2.0
-4.4	7.7	-1.3	-81.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	6.0	0.4	84.7	NA	NA	NA	0.4
-4.2	8.0	-1.4	-134.7	NA	NA	NA	1.9
-4.2	4.9	-1.7	-96.6	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	0.1
-4.2	5.7	0.2	168.9	NA	NA	NA	0.9
-4.4	1.6	3.8	-128.4	NA	NA	NA	2.2
-4.2	8.0	-2.4	-89.1	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	8.0	0.1	21.5	NA	NA	NA	0.3
-4.3	2.7	-1.3	-131.1	NA	NA	NA	1.2
-4.3	8.0	1.7	-70.5	NA	NA	NA	1.2
-4.2	4.8	-1.5	-32.7	NA	NA	NA	1.0
-4.2	8.0	-0.9	96.1	NA	NA	NA	1.0
-4.3	1.6	2.5	-126.3	NA	NA	NA	1.8
-4.5	2.8	1.0	-107.0	NA	NA	NA	1.0
-5.1	2.7	0.3	25.5	-4.6	10.0	-21.1	1.4
-4.6	1.6	-0.6	82.6	NA	NA	NA	1.1
-4.5	5.3	0.0	-85.1	NA	NA	NA	1.1
-4.3	8.0	0.1	-83.5	NA	NA	NA	1.2
-4.9	1.2	1.5	55.1	-4.2	10.0	-109.4	1.9
-5.0	0.8	1.5	22.6	-4.2	10.0	-13.6	1.4
-4.6	8.0	0.6	-99.0	NA	NA	NA	1.4
-4.4	3.6	-0.8	-89.7	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.5
-4.4	3.0	1.3	71.3	NA	NA	NA	1.0
-4.4	4.3	-0.8	-114.8	NA	NA	NA	1.9
-4.4	8.0	0.2	-97.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	7.4	0.2	169.3	NA	NA	NA	0.4
-4.4	5.3	2.4	-135.1	NA	NA	NA	1.1
-4.3	8.0	0.6	-42.9	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	0.3
-4.4	6.8	0.3	34.7	NA	NA	NA	0.5
NA	NA	-1.3	NA	NA	NA	NA	2.4
-4.4	5.4	0.2	-98.1	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	5.5	0.0	31.1	NA	NA	NA	0.3
-4.4	8.0	-0.2	-125.3	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.3	7.8	0.4	-108.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.2
-4.3	7.9	-0.4	184.8	NA	NA	NA	0.5
-4.3	3.5	-3.1	-130.5	NA	NA	NA	2.2
-1.6	3.2	-0.7	-73.9	NA	NA	NA	1.0
-2.7	2.6	1.0	30.0	-1.7	10.0	-2.3	1.4
-2.5	1.6	0.2	30.9	-1.4	10.0	-3.6	1.0
-1.5	3.6	-2.2	-99.8	NA	NA	NA	1.7
-4.5	8.0	-2.2	-58.1	NA	NA	NA	1.2
-4.6	8.0	5.1	56.2	NA	NA	NA	1.6
NA	NA	3.4	NA	NA	NA	NA	1.4
-4.2	8.0	-0.6	-93.9	NA	NA	NA	1.0
-5.1	2.4	-2.0	-41.7	NA	NA	NA	1.0
-5.2	4.8	0.2	77.8	-4.2	5.6	33.0	1.3
-5.1	3.2	1.9	116.7	-4.1	10.0	58.6	1.4
NA	NA	-5.3	NA	NA	NA	NA	1.7
-4.1	6.6	0.0	-77.0	NA	NA	NA	1.0
-4.5	6.7	-1.3	27.7	-4.2	10.0	-130.1	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.1	4.2	-1.5	-128.8	NA	NA	NA	1.3
-4.2	7.9	1.1	-49.4	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	0.3
-4.2	5.9	-0.8	35.8	NA	NA	NA	0.5
-4.2	8.0	-1.2	-87.9	NA	NA	NA	1.9
-4.1	3.4	0.8	-108.5	NA	NA	NA	1.0
-4.2	1.9	-0.5	-16.1	NA	NA	NA	1.0
-4.1	7.9	-1.1	241.3	NA	NA	NA	1.0
-4.1	5.4	1.3	-125.3	NA	NA	NA	1.5
-4.7	8.0	-2.4	-42.2	NA	NA	NA	1.0
-5.1	8.0	0.8	16.9	NA	NA	NA	1.5
-4.8	3.4	1.2	57.7	NA	NA	NA	1.0
-4.6	8.0	2.0	-59.1	NA	NA	NA	1.7
-4.5	3.5	0.1	-40.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	4.6	-0.6	47.8	NA	NA	NA	0.9
-4.8	8.0	1.3	-71.6	NA	NA	NA	2.2
-4.6	4.9	2.0	-25.5	NA	NA	NA	1.0
-4.5	5.4	-0.7	103.4	NA	NA	NA	1.2
-4.5	5.4	-1.8	85.9	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.3
-4.2	3.4	-2.4	27.5	NA	NA	NA	1.7
-6.6	0.9	-3.7	58.1	-4.4	0.9	-153.4	2.5
-6.5	2.8	1.3	44.5	-4.9	1.0	-63.8	1.9
NA	NA	4.4	NA	NA	NA	NA	1.9
-5.3	1.8	1.5	-31.2	NA	NA	NA	1.0
-4.7	8.0	-1.0	18.8	-4.1	4.7	-22.4	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.2	-1.0	52.2	-4.1	10.0	4.6	1.0
NA	NA	2.0	NA	NA	NA	NA	1.8
-5.2	8.0	-1.4	-25.4	NA	NA	NA	1.1
-4.9	2.1	-1.6	84.7	NA	NA	NA	1.3
-4.7	1.7	-1.2	114.8	NA	NA	NA	1.1
NA	NA	2.5	NA	NA	NA	NA	1.4
-4.3	2.1	-0.8	-73.6	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.4
-4.5	2.4	1.2	52.6	NA	NA	NA	1.1
-4.3	8.0	-4.2	-46.4	NA	NA	NA	1.7
-5.6	1.7	4.3	-23.3	NA	NA	NA	1.5
-5.3	4.4	1.2	101.5	NA	NA	NA	2.3
-5.3	3.0	-2.1	92.0	NA	NA	NA	1.5
-4.1	4.9	-4.5	-119.7	NA	NA	NA	2.1
-4.2	8.0	0.5	-54.7	NA	NA	NA	1.5
NA	NA	-1.2	NA	NA	NA	NA	0.5
-4.2	8.0	-1.9	20.1	NA	NA	NA	1.0
-4.2	8.0	-6.2	-98.0	NA	NA	NA	2.1
-4.3	6.1	1.7	-53.0	NA	NA	NA	1.3
-4.3	5.3	0.2	46.9	NA	NA	NA	0.5
-4.1	3.4	-0.5	68.6	NA	NA	NA	0.9
-4.3	2.7	-0.5	-82.6	NA	NA	NA	2.0
-4.1	8.0	0.6	-96.7	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.5
-4.1	5.9	-0.9	73.3	NA	NA	NA	1.0
-4.1	8.0	-0.8	-119.1	NA	NA	NA	1.4
-4.8	3.5	3.6	-80.2	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	0.6
-4.6	2.0	-2.3	103.5	NA	NA	NA	1.0
-4.9	3.1	0.6	-94.6	NA	NA	NA	1.2
-4.4	3.0	0.2	-116.2	NA	NA	NA	1.0
-5.7	1.6	-0.2	23.8	-4.5	9.2	-30.8	1.3
-4.3	8.0	1.6	79.7	NA	NA	NA	1.5
-4.4	2.5	0.7	-127.0	NA	NA	NA	1.1
-4.3	8.0	1.2	-98.9	NA	NA	NA	1.3
-4.3	4.4	1.3	-53.1	NA	NA	NA	1.0
-4.3	8.0	0.2	116.6	NA	NA	NA	1.0
-4.4	2.5	3.4	-132.3	NA	NA	NA	2.0
-4.5	3.8	0.7	-99.2	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.3	5.6	0.2	162.6	NA	NA	NA	0.4
-4.8	3.2	0.7	-102.8	NA	NA	NA	1.0
-4.4	3.0	-0.8	-110.1	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	5.6	0.2	162.2	NA	NA	NA	0.9
-4.6	1.9	-1.3	-106.0	NA	NA	NA	2.0

ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	0.5	-96.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	4.7	0.3	38.2	NA	NA	NA	0.3
-4.5	1.7	0.4	-132.9	NA	NA	NA	1.2
-4.9	4.3	-0.2	-88.7	NA	NA	NA	1.0
-5.0	1.5	0.3	-35.7	NA	NA	NA	1.0
-4.7	5.9	0.8	181.2	-3.7	0.6	154.6	1.0
-4.9	3.6	2.8	-106.2	NA	NA	NA	2.0
-4.6	2.6	0.9	-60.6	NA	NA	NA	1.0
-5.1	8.0	0.4	33.0	-4.6	3.6	-9.4	1.0
-5.0	7.8	0.1	34.9	NA	NA	NA	1.0
-4.6	6.4	0.8	-66.7	NA	NA	NA	1.0
-4.8	6.7	0.2	33.0	NA	NA	NA	1.4
-5.0	2.7	1.4	28.3	-4.5	10.0	-78.1	1.7
-4.5	7.8	0.9	-65.8	NA	NA	NA	1.0
-4.6	1.4	-5.5	-92.4	NA	NA	NA	1.9
-4.6	2.1	-0.5	-54.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.6	2.5	0.2	20.1	NA	NA	NA	0.4
-4.6	3.2	0.7	-43.9	NA	NA	NA	1.7
-4.6	6.6	-1.0	-23.8	NA	NA	NA	1.0
-5.5	8.0	-0.5	23.9	NA	NA	NA	1.0
-4.7	1.2	-0.6	60.2	NA	NA	NA	1.0
-4.5	1.9	-1.0	-76.7	NA	NA	NA	1.1
-5.0	1.1	0.9	-37.4	NA	NA	NA	1.0
-5.0	1.0	-1.2	132.3	NA	NA	NA	1.0
-4.7	1.0	-0.8	179.5	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.8
NA	NA	0.1	NA	NA	NA	NA	0.8
-4.5	0.9	0.2	111.9	NA	NA	NA	2.2
-4.4	1.3	-0.6	86.4	NA	NA	NA	1.1
NA	NA	-2.2	NA	NA	NA	NA	1.4
-4.6	8.0	1.0	-18.7	NA	NA	NA	1.1
-4.5	3.5	0.1	47.1	NA	NA	NA	1.0
-4.5	4.1	-0.2	60.4	NA	NA	NA	0.9
NA	NA	-1.4	NA	NA	NA	NA	1.4
NA	NA	0.8	NA	NA	NA	NA	1.2
-4.3	1.7	-0.1	60.8	NA	NA	NA	1.7
-4.2	2.7	1.1	26.3	NA	NA	NA	0.8
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.4	2.4	-1.8	-72.1	NA	NA	NA	1.1
-4.8	8.0	-0.9	58.2	-4.5	10.0	6.4	1.0
-4.7	5.0	0.3	75.7	NA	NA	NA	1.0
-4.4	3.7	-2.0	-56.3	NA	NA	NA	1.2
-4.4	2.9	-0.9	-74.7	NA	NA	NA	1.1
-4.4	8.0	-2.4	-92.6	NA	NA	NA	2.1



ga	gw	zr	tp	la	lw	bt	er
-4.5	3.5	-0.2	64.9	-4.2	10.0	8.8	1.2
-4.4	4.6	2.2	-104.4	NA	NA	NA	1.3
-4.3	2.7	-1.8	-77.7	NA	NA	NA	1.5
-4.4	1.7	-0.4	-20.6	NA	NA	NA	1.0
-4.2	3.8	0.5	80.8	NA	NA	NA	1.0
-4.4	2.6	1.4	-88.9	NA	NA	NA	1.0
-4.2	4.5	-2.4	-112.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.0
-4.2	7.5	-0.1	133.3	NA	NA	NA	0.4
-4.6	2.8	-0.6	-101.1	NA	NA	NA	1.0
-4.6	2.6	-1.8	-82.7	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.5	2.8	0.2	89.4	NA	NA	NA	0.9
-4.6	3.6	-1.8	-89.7	NA	NA	NA	1.6
-4.5	2.8	0.1	-69.8	NA	NA	NA	1.2
-5.0	7.5	0.1	10.4	-4.2	10.0	1.5	0.5
-4.6	2.3	0.0	22.9	NA	NA	NA	0.3
-4.4	2.9	-0.2	-79.3	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	0.6
-4.4	0.6	-1.9	42.3	NA	NA	NA	1.9
-4.9	4.5	0.9	15.2	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	0.9
-4.5	1.8	-1.0	59.8	NA	NA	NA	1.4
-4.6	4.4	-0.7	27.2	NA	NA	NA	1.0
NA	NA	3.3	NA	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.3	1.5	-0.9	70.7	NA	NA	NA	1.7
-4.2	1.9	0.3	42.8	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	1.6
-4.4	8.0	-1.0	23.6	NA	NA	NA	0.9
-4.8	4.6	-0.8	86.6	-4.4	9.9	-55.1	1.9
-4.8	2.5	1.0	35.4	-4.4	9.9	-40.3	0.7
NA	NA	-0.1	NA	NA	NA	NA	2.0
NA	NA	0.5	NA	NA	NA	NA	1.0
-4.9	3.2	0.8	62.3	-4.4	10.0	8.8	1.0
-5.0	2.3	0.7	24.8	NA	NA	NA	1.0
NA	NA	3.0	NA	NA	NA	NA	1.8
NA	NA	-0.3	NA	NA	NA	NA	1.3
-5.1	4.7	1.2	129.0	-4.5	2.9	-101.1	2.0
-5.1	8.0	1.0	81.3	-4.5	2.8	-50.7	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.6
-6.9	0.7	-3.4	3.2	NA	NA	NA	1.0
-4.7	1.7	0.2	20.6	NA	NA	NA	1.0
-4.8	2.5	0.4	8.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-5.2	8.0	-1.2	-28.7	NA	NA	NA	1.0
-5.0	2.0	-0.1	85.7	-4.5	10.0	44.8	1.0
-5.1	2.5	0.2	87.2	-4.3	5.6	58.0	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.1	8.0	3.1	-63.0	NA	NA	NA	1.1
-4.7	1.6	-0.4	53.5	-4.2	10.0	4.6	1.0
-4.7	2.8	-0.1	25.3	NA	NA	NA	1.0
-4.1	8.0	2.2	-101.5	NA	NA	NA	1.8
-5.2	1.9	1.7	-26.4	-4.3	8.1	-0.4	1.1
-5.2	3.9	1.4	84.5	-4.4	10.0	19.6	1.2
-5.2	3.0	0.6	102.4	-4.3	10.0	23.1	1.0
NA	NA	-1.9	NA	NA	NA	NA	0.6
-4.5	0.8	-1.5	-25.3	NA	NA	NA	1.0
-5.6	4.2	-0.4	45.3	-4.7	5.7	16.5	1.0
-5.6	3.2	0.0	45.8	-4.6	1.1	20.8	0.9
-5.0	4.0	0.1	-50.3	NA	NA	NA	1.8
NA	NA	-1.5	NA	NA	NA	NA	0.8
-4.4	3.8	-1.7	58.4	NA	NA	NA	1.2
-4.7	4.1	-2.0	31.6	NA	NA	NA	1.2
NA	NA	2.5	NA	NA	NA	NA	0.9
-4.8	6.2	-1.0	-18.8	NA	NA	NA	1.0
-4.8	5.9	-1.4	37.4	NA	NA	NA	1.0
-4.8	8.0	0.2	35.9	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.3
NA	NA	-0.1	NA	NA	NA	NA	1.1
-5.1	5.4	3.1	30.2	NA	NA	NA	1.3
-4.9	2.0	0.5	36.0	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.4
-4.4	1.3	-0.8	-46.7	NA	NA	NA	1.0
-5.1	3.3	1.8	24.2	NA	NA	NA	1.1
-4.7	1.2	1.2	52.4	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.4	3.2	0.8	59.3	NA	NA	NA	1.5
-4.3	2.6	0.1	42.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.1	8.0	-2.6	61.7	NA	NA	NA	1.8
-4.1	8.0	-1.7	28.4	NA	NA	NA	1.1
NA	NA	2.0	NA	NA	NA	NA	0.9
-4.9	4.5	-1.2	-31.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.5
-4.3	2.4	0.2	30.7	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.3
-4.4	1.8	-0.4	-44.8	NA	NA	NA	1.1
NA	NA	-1.1	NA	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.4	3.4	-0.6	25.1	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
-4.3	2.5	-0.4	-61.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	3.7	-0.1	17.1	NA	NA	NA	0.4
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.5	2.0	-1.7	-72.4	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.1
-4.3	2.4	0.1	55.7	NA	NA	NA	0.9
NA	NA	-4.4	NA	NA	NA	NA	2.0
-4.1	5.1	0.2	-65.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.1	8.0	0.3	27.8	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	1.9
NA	NA	0.8	NA	NA	NA	NA	0.6
-4.6	7.6	-2.4	24.8	NA	NA	NA	1.6
-4.3	1.6	-2.4	38.0	NA	NA	NA	1.1
NA	NA	5.6	NA	NA	NA	NA	1.4
NA	NA	3.2	NA	NA	NA	NA	1.2
-4.5	8.0	5.5	29.2	NA	NA	NA	2.1
NA	NA	0.9	NA	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.6
-4.6	1.0	-0.5	-105.5	NA	NA	NA	1.1
-5.1	1.7	0.1	116.9	-4.5	8.4	13.8	1.4
-5.0	1.9	0.7	155.3	-4.5	10.0	95.5	1.3
-4.3	2.6	-0.3	-105.6	NA	NA	NA	1.0
-4.2	6.3	1.8	-64.3	NA	NA	NA	1.0
-4.5	4.6	-2.7	45.9	-4.0	9.6	-123.8	1.6
-4.6	8.0	-1.8	24.5	NA	NA	NA	1.0
-4.2	6.0	1.1	-113.6	NA	NA	NA	1.5
-4.4	8.0	2.0	-33.5	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	0.1
-4.2	3.0	-0.9	28.3	NA	NA	NA	1.0
-4.2	8.0	0.5	-73.3	NA	NA	NA	2.0
-4.2	6.2	-0.4	-109.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.3	0.1	107.2	NA	NA	NA	0.4
-4.4	2.8	1.8	-116.5	NA	NA	NA	1.0
-4.1	4.3	-1.1	-77.7	NA	NA	NA	1.3
NA	NA	-2.0	NA	NA	NA	NA	0.8
-4.0	8.0	0.3	32.3	NA	NA	NA	0.5
-4.2	8.0	2.5	-78.0	NA	NA	NA	1.9
NA	NA	-3.7	NA	NA	NA	NA	1.0
-6.4	0.6	-4.4	60.4	NA	NA	NA	1.4
-6.6	0.8	-1.1	38.8	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	3.8	NA	NA	NA	NA	0.9
-4.3	1.8	0.6	92.2	NA	NA	NA	1.7
-4.4	8.0	-3.0	27.3	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.4
NA	NA	-1.2	NA	NA	NA	NA	1.2
-4.4	1.2	-1.1	96.3	NA	NA	NA	1.8
-4.4	1.2	-0.4	62.9	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.4	8.0	1.7	57.0	NA	NA	NA	1.0
-4.6	6.2	1.1	51.8	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.2
-4.5	1.4	0.2	-28.2	NA	NA	NA	1.0
-5.1	2.4	-1.3	14.8	NA	NA	NA	2.0
-4.6	1.8	0.1	47.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.5
-4.7	1.9	-0.4	-22.0	NA	NA	NA	1.1
-4.7	1.7	0.9	42.5	-4.1	4.7	1.0	1.5
-4.7	1.8	0.6	58.2	-4.0	9.2	15.9	1.1
NA	NA	0.0	NA	NA	NA	NA	1.6
-4.3	1.3	0.5	-31.3	NA	NA	NA	1.0
-5.2	2.1	0.9	20.2	-4.0	10.0	-16.1	1.7
-4.6	1.3	0.2	42.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.4
-4.9	3.9	-0.9	-18.3	NA	NA	NA	1.1
-5.5	3.1	0.7	69.9	NA	NA	NA	1.0
-5.2	1.8	0.0	81.0	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.9
-4.9	4.5	1.9	-12.5	NA	NA	NA	1.0
-4.4	3.9	-1.8	67.2	NA	NA	NA	1.9
-4.7	3.6	1.0	54.0	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.4
-5.0	8.0	0.0	-15.0	NA	NA	NA	1.0
-5.2	1.3	0.2	52.0	NA	NA	NA	1.6
-4.7	1.2	-0.5	100.6	NA	NA	NA	1.4
NA	NA	-10.4	NA	NA	NA	NA	1.8
-4.7	0.7	9.6	-72.8	NA	NA	NA	1.4
-5.1	0.9	-13.6	138.9	-4.6	10.0	18.2	2.3
-5.1	1.1	-13.4	128.1	-4.5	9.7	30.6	1.9
-4.5	4.3	1.2	-76.3	NA	NA	NA	1.8
-4.6	4.7	2.8	-27.1	NA	NA	NA	1.0
-4.6	8.0	-4.5	37.3	NA	NA	NA	1.6
-4.6	8.0	-4.4	44.0	NA	NA	NA	1.2
NA	NA	-0.9	NA	NA	NA	NA	1.5
-4.4	2.9	-1.9	-41.1	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	0.5

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.0	-0.1	32.0	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.6
-4.5	8.0	-1.3	-27.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	2.1	0.1	10.7	NA	NA	NA	0.4
NA	NA	2.2	NA	NA	NA	NA	1.2
-4.2	3.6	-1.7	-46.1	NA	NA	NA	1.2
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.4	8.0	-0.1	18.6	NA	NA	NA	0.5
NA	NA	-0.5	NA	NA	NA	NA	2.1
-5.1	2.2	1.3	-82.9	NA	NA	NA	1.0
-5.3	3.3	0.1	35.9	-4.7	5.5	-36.8	1.3
-5.3	4.7	-0.1	87.4	NA	NA	NA	1.4
-4.7	4.0	0.4	-95.4	NA	NA	NA	1.4
-4.6	3.0	-0.6	-75.9	NA	NA	NA	1.2
-4.7	1.0	0.0	-41.1	NA	NA	NA	1.0
-4.4	4.9	-0.3	104.2	NA	NA	NA	1.0
-4.9	1.3	-6.3	-101.4	NA	NA	NA	2.2
-5.0	3.5	1.2	-88.8	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	4.6	-0.1	140.7	NA	NA	NA	0.4
-4.9	3.3	-2.7	-98.2	NA	NA	NA	1.5
-5.1	4.5	1.2	-87.8	NA	NA	NA	1.0
-4.7	1.4	0.3	-18.1	NA	NA	NA	1.0
-4.8	3.1	-0.3	179.1	-4.2	8.6	156.8	0.9
-5.3	1.6	-2.7	-95.1	NA	NA	NA	1.5
-4.9	3.4	-0.6	-77.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.6	1.8	0.0	29.0	NA	NA	NA	0.3
-4.7	3.2	-3.8	-94.0	NA	NA	NA	1.6
-4.9	2.2	1.8	-91.0	NA	NA	NA	1.1
-5.0	8.0	-0.8	-22.9	NA	NA	NA	1.0
-4.5	2.2	-0.6	269.0	NA	NA	NA	1.0
-4.8	3.5	-1.7	-101.0	NA	NA	NA	1.5
NA	NA	-1.6	NA	NA	NA	NA	0.9
-4.6	5.2	0.5	32.5	NA	NA	NA	1.0
-4.5	4.3	1.3	45.9	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.1
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.2	1.1	0.7	114.8	NA	NA	NA	1.0
-4.1	1.1	1.1	95.4	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.9
-4.2	8.0	-3.5	-89.0	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.2	8.0	1.5	113.1	NA	NA	NA	1.1
-4.4	2.7	-1.1	-83.1	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	-1.7	-107.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.3	2.8	0.4	84.3	NA	NA	NA	0.4
-5.7	8.0	-1.3	45.8	-4.4	0.9	-168.6	1.6
-4.3	1.6	-4.9	-66.4	NA	NA	NA	1.2
-5.2	7.9	-1.1	34.0	-4.7	4.5	1.1	1.0
-4.5	0.9	0.6	57.3	NA	NA	NA	1.1
-4.4	0.5	1.4	-83.9	NA	NA	NA	1.5
-6.1	8.0	0.2	-24.1	NA	NA	NA	1.0
-4.4	1.9	-3.8	55.0	-4.2	9.9	5.1	1.0
-4.2	2.2	-0.6	330.6	NA	NA	NA	1.0
-4.6	0.5	9.2	-125.6	NA	NA	NA	2.0
-5.8	2.8	0.6	30.9	NA	NA	NA	1.1
-5.0	8.0	0.2	57.5	-4.6	3.6	-119.9	2.1
-4.7	7.1	-0.8	-50.5	NA	NA	NA	1.1
-6.1	3.2	1.3	-31.8	NA	NA	NA	1.6
-4.4	1.7	0.9	-65.5	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.5	4.5	0.0	36.3	NA	NA	NA	0.4
-4.8	8.0	1.3	-99.6	NA	NA	NA	1.6
-4.5	1.4	-1.0	-35.7	NA	NA	NA	1.2
-4.6	1.6	-0.1	75.2	NA	NA	NA	1.0
-4.3	0.9	0.4	100.4	NA	NA	NA	1.0
-5.8	1.4	-1.1	-49.8	NA	NA	NA	1.6
-4.2	3.9	-0.1	-87.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.2	5.8	-0.5	187.4	NA	NA	NA	1.0
-4.3	1.6	-5.2	-108.7	NA	NA	NA	2.2
-4.3	1.7	-1.1	-109.4	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	2.6	0.4	58.5	NA	NA	NA	0.4
-4.4	2.5	-1.6	-119.4	NA	NA	NA	2.0
-4.3	3.4	-0.3	-103.0	NA	NA	NA	1.2
-4.9	6.7	-0.2	13.7	-4.0	4.7	-24.7	1.0
-4.1	1.8	0.0	149.7	NA	NA	NA	0.9
-4.3	1.1	-5.1	-95.2	NA	NA	NA	2.3
-4.0	0.6	0.4	-85.8	NA	NA	NA	1.7
-4.7	1.0	-0.2	46.9	-4.4	9.9	2.1	1.1
-5.1	1.0	-0.1	61.4	NA	NA	NA	1.5
-4.2	1.9	-3.5	-123.3	NA	NA	NA	2.0
-4.4	2.0	-1.2	-49.1	NA	NA	NA	0.7
-5.2	2.8	-2.1	39.4	-4.4	5.4	-150.8	2.1
-5.0	1.5	-1.0	47.4	-4.4	10.0	-33.5	1.5
-4.6	6.9	-6.2	-93.0	NA	NA	NA	1.5
-4.8	6.0	1.2	-81.5	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.7	7.9	-0.2	52.5	NA	NA	NA	0.4
-4.9	3.8	-2.5	-94.9	NA	NA	NA	1.9
-4.2	5.1	-1.1	-20.9	NA	NA	NA	1.0
-4.2	8.0	-0.5	41.5	NA	NA	NA	0.5
-4.3	8.0	0.1	29.4	NA	NA	NA	0.4
NA	NA	0.0	NA	NA	NA	NA	1.1
-6.7	1.2	-0.4	-8.6	NA	NA	NA	1.2
-6.9	1.5	0.0	56.7	NA	NA	NA	1.1
-6.8	1.3	-0.5	48.1	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.6
-4.9	0.6	1.8	-41.5	NA	NA	NA	1.1
-5.9	0.4	-2.4	18.1	-5.0	8.0	-27.8	1.2
-6.1	8.0	0.2	13.3	-5.0	10.0	-14.2	1.0
NA	NA	1.0	NA	NA	NA	NA	1.8
-4.4	8.0	-0.4	-26.5	NA	NA	NA	1.8
-6.4	8.0	2.2	30.5	-4.9	2.7	-154.1	1.9
-5.8	0.7	-0.5	39.8	-5.1	10.0	-38.6	1.2
-5.3	1.8	2.3	-44.3	NA	NA	NA	1.9
-4.7	1.1	-0.8	-101.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.4	1.2	0.2	50.7	NA	NA	NA	0.4
-5.5	0.4	5.3	-65.8	NA	NA	NA	2.0
-4.6	1.6	-0.1	-66.9	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.5	2.9	0.1	27.9	NA	NA	NA	0.9
-4.5	2.0	1.2	-94.9	NA	NA	NA	1.7
-4.6	2.4	-1.5	-48.5	NA	NA	NA	1.0
-6.1	7.6	-0.1	22.4	-5.1	10.0	-1.9	0.5
-5.7	2.6	0.1	21.5	-5.1	10.0	1.3	0.3
NA	NA	0.7	NA	NA	NA	NA	1.6
-5.3	1.1	-0.7	-58.1	-4.7	10.0	-27.3	1.0
-5.5	0.7	0.9	194.3	-4.8	10.0	43.4	1.7
-4.9	0.6	-1.4	271.8	-4.7	10.0	85.2	1.5
NA	NA	-2.3	NA	NA	NA	NA	1.9
-4.4	0.7	2.1	-29.1	NA	NA	NA	1.3
-4.1	0.9	0.6	24.3	NA	NA	NA	1.0
-4.3	1.9	0.3	56.5	NA	NA	NA	0.9
-5.2	6.6	-9.7	-82.0	-4.7	10.0	-32.2	1.7
-4.7	2.0	-0.8	-43.1	-4.6	10.0	-4.1	0.5
-4.5	8.0	-0.1	-12.5	NA	NA	NA	1.0
-5.0	6.0	0.3	50.6	-4.6	9.8	-2.9	1.0
-4.8	8.0	1.6	-68.7	-4.5	10.0	-12.4	1.4
NA	NA	0.2	NA	NA	NA	NA	1.4
-7.1	2.2	0.9	73.6	-6.8	2.6	-15.5	1.0
-7.5	8.0	0.3	27.2	-7.0	4.8	-7.9	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.4	2.4	-1.9	-98.1	NA	NA	NA	1.1
-5.6	0.8	1.1	25.4	-4.4	2.0	-62.6	1.6
-4.1	0.5	1.3	53.9	NA	NA	NA	1.5
-4.5	7.9	-2.3	-92.0	NA	NA	NA	1.1
-4.4	1.1	-1.9	-80.4	NA	NA	NA	1.4
-5.3	3.7	-2.8	76.2	-4.6	3.6	-138.5	1.7
-5.5	5.6	0.2	43.2	-4.7	9.5	-23.2	1.1
-4.7	1.7	0.9	-111.0	NA	NA	NA	1.7
-4.2	4.1	1.3	-102.2	NA	NA	NA	1.0
-4.4	1.5	-1.9	-45.4	NA	NA	NA	1.0
-4.2	8.0	-1.9	92.3	NA	NA	NA	1.0
-4.5	8.0	-2.3	-105.6	NA	NA	NA	1.9
-4.3	2.7	0.1	-112.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.2	0.1	159.0	NA	NA	NA	0.4
-4.2	3.2	0.9	-133.8	NA	NA	NA	1.0
-4.5	3.5	-1.0	-83.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.2	3.1	0.5	206.1	NA	NA	NA	0.9
-4.4	1.6	4.1	-133.8	NA	NA	NA	2.2
-4.3	2.5	2.1	-101.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.3	0.0	21.9	NA	NA	NA	0.3
-4.2	3.3	0.0	-133.6	NA	NA	NA	1.6
-4.2	1.4	0.4	-118.6	NA	NA	NA	1.2
-4.3	7.5	0.0	-23.8	NA	NA	NA	1.0
-5.0	5.6	-0.5	18.9	NA	NA	NA	1.0
-4.1	5.1	-0.2	-147.4	NA	NA	NA	2.0
NA	NA	1.4	NA	NA	NA	NA	0.7
-4.1	4.0	1.7	58.3	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	0.4
NA	NA	0.2	NA	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	1.1
-4.7	4.8	-6.0	45.0	NA	NA	NA	1.9
-4.3	1.9	-2.2	46.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	1.3
-5.1	2.0	0.7	41.1	NA	NA	NA	1.9
-5.4	1.9	-1.3	23.1	NA	NA	NA	1.0
NA	NA	5.4	NA	NA	NA	NA	1.9
-4.3	5.5	0.5	-16.0	NA	NA	NA	1.0
-4.9	2.9	-0.1	18.8	NA	NA	NA	1.0
-4.5	2.0	-0.4	22.0	NA	NA	NA	1.0
-5.0	2.2	1.7	-35.3	NA	NA	NA	1.4
-4.4	1.1	2.0	-27.4	NA	NA	NA	1.0
-5.6	1.3	0.5	40.3	NA	NA	NA	1.7



ga	gw	zr	tp	la	lw	bt	er
-5.2	1.0	-1.8	45.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.8
-4.4	0.5	0.7	-23.6	NA	NA	NA	1.0
-5.8	1.1	-0.4	54.7	NA	NA	NA	1.0
-5.8	1.3	-0.2	41.2	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	1.1
NA	NA	-2.0	NA	NA	NA	NA	1.1
-4.4	1.1	2.1	229.9	NA	NA	NA	2.1
-4.4	1.1	1.9	151.6	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.0
-4.8	8.0	1.1	-32.1	-4.1	1.1	-11.2	0.8
-4.8	1.9	1.7	101.1	-4.2	9.6	22.4	1.0
-4.6	4.1	1.1	114.2	-4.2	9.8	27.9	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	0.7
-4.5	3.8	1.3	56.2	NA	NA	NA	1.4
-4.6	7.5	1.9	45.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.8
-4.9	1.3	-0.4	36.1	-4.1	5.7	-5.8	1.3
-4.9	1.1	-0.3	28.9	-4.1	10.0	-13.9	1.1
NA	NA	0.6	NA	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.7
-4.6	3.4	-1.1	63.2	NA	NA	NA	1.9
-4.5	3.6	0.0	41.7	NA	NA	NA	1.1
NA	NA	-0.7	NA	NA	NA	NA	1.6
NA	NA	0.5	NA	NA	NA	NA	0.3
-4.3	2.4	0.0	82.3	NA	NA	NA	1.5
-4.4	3.3	-1.1	43.0	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.5
-6.6	0.4	-4.0	27.4	NA	NA	NA	2.3
-7.3	7.4	-12.2	53.7	-6.3	3.7	-53.8	3.3
-6.0	8.0	-2.5	-30.2	NA	NA	NA	2.9
-7.9	1.3	2.1	-67.3	NA	NA	NA	1.4
-4.4	2.3	3.7	18.3	NA	NA	NA	1.2
-7.8	6.0	0.7	51.2	-7.2	3.1	3.7	1.4
-7.8	7.4	0.0	27.9	-7.3	2.4	-0.6	1.0
-7.5	2.5	0.9	-54.6	NA	NA	NA	1.6
-6.4	0.4	-1.5	9.8	NA	NA	NA	1.4
-7.4	2.9	0.6	33.7	-7.0	3.4	-7.7	1.0
-7.2	8.0	0.4	44.9	-7.0	10.0	-7.0	1.0
-7.3	2.9	-2.4	-60.6	NA	NA	NA	1.3
NA	NA	-1.4	NA	NA	NA	NA	0.8
-4.9	5.7	1.8	32.4	NA	NA	NA	1.2
-5.0	8.0	1.8	26.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.4	7.6	-1.3	-22.3	NA	NA	NA	1.0
-5.3	1.6	-3.0	66.5	-4.4	9.8	34.8	1.7
-5.4	2.1	0.6	70.7	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.4
-4.5	1.5	-2.2	-103.7	NA	NA	NA	1.0
-5.3	3.5	-4.9	37.9	-4.5	3.4	-37.2	2.1
-5.0	1.9	-2.5	60.4	NA	NA	NA	1.3
-4.5	2.9	-0.2	-109.3	NA	NA	NA	1.0
-4.1	3.6	-0.9	-88.2	NA	NA	NA	1.0
-4.9	1.5	1.7	36.3	-4.4	10.0	-213.9	1.7
-5.0	3.6	1.1	23.7	-4.4	6.2	-19.5	0.9
-4.5	5.6	3.8	-81.6	NA	NA	NA	1.6
-4.2	8.0	1.8	-93.7	NA	NA	NA	1.3
-4.2	8.0	0.1	-25.5	NA	NA	NA	1.0
-4.2	8.0	-1.4	151.1	NA	NA	NA	1.0
-4.5	7.9	-3.8	-76.7	NA	NA	NA	2.2
-4.3	2.8	-2.3	-109.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	7.0	0.5	159.3	NA	NA	NA	0.4
-4.3	2.0	0.2	-132.8	NA	NA	NA	1.6
-4.2	3.4	-1.6	-110.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	5.5	0.1	226.6	NA	NA	NA	0.9
-4.5	3.4	4.2	-97.5	NA	NA	NA	2.0
-4.4	7.6	0.2	-83.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.6	0.0	44.2	NA	NA	NA	0.3
-4.2	3.5	-0.1	-132.7	NA	NA	NA	1.0
-4.1	8.0	-2.1	-96.3	NA	NA	NA	1.0
-4.1	8.0	-0.2	-29.1	NA	NA	NA	1.0
-4.1	8.0	1.1	166.1	NA	NA	NA	1.0
-4.1	3.7	-1.4	-137.0	NA	NA	NA	1.5
-4.6	4.1	0.8	-55.4	NA	NA	NA	1.0
-5.1	8.0	-0.6	10.0	-4.5	3.8	-13.0	0.7
-4.6	1.8	-0.7	38.7	NA	NA	NA	1.0
-4.7	3.6	-0.2	-66.8	NA	NA	NA	1.3
-5.0	8.0	0.7	-43.0	NA	NA	NA	1.0
-5.3	3.1	-5.2	94.8	-4.8	3.1	-184.7	2.2
-5.2	8.0	-2.6	98.7	-4.9	10.0	-18.2	1.5
-5.0	6.5	0.8	-100.4	NA	NA	NA	1.4
-4.6	6.7	-0.7	-66.7	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.6	7.7	-0.1	44.6	NA	NA	NA	0.4
-4.7	8.0	0.9	-91.8	NA	NA	NA	1.0
-4.5	8.0	1.4	-49.1	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.7	7.8	-0.1	12.3	NA	NA	NA	0.3
-4.6	5.7	2.2	-78.5	NA	NA	NA	1.0
-4.5	3.2	0.6	-92.1	NA	NA	NA	1.0
-4.9	0.8	0.1	-11.8	NA	NA	NA	1.0
-4.5	3.8	-0.4	87.3	NA	NA	NA	1.0
-4.8	3.9	0.1	-100.0	NA	NA	NA	1.5
-4.9	0.9	-0.3	-19.8	NA	NA	NA	1.0
-5.4	1.4	-1.7	54.8	NA	NA	NA	1.5
-4.8	0.9	-0.6	73.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.3
-5.0	4.5	-0.3	-71.3	NA	NA	NA	1.0
-5.3	7.4	0.5	-8.5	NA	NA	NA	0.5
-4.6	2.7	-0.6	240.0	NA	NA	NA	1.0
-5.2	6.0	0.1	-96.4	NA	NA	NA	1.1
-4.3	2.2	0.3	-42.7	NA	NA	NA	1.0
-4.6	1.9	0.5	53.4	NA	NA	NA	1.0
-4.3	2.0	0.4	88.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.8
-5.5	2.5	1.4	-17.9	-4.4	10.0	11.8	1.2
-5.6	4.0	1.7	59.0	-4.8	10.0	-26.9	1.9
-5.5	6.6	0.9	50.7	-4.8	10.0	-16.3	1.9
-4.8	3.4	-1.4	-87.2	NA	NA	NA	1.0
-5.9	0.6	0.0	-27.7	NA	NA	NA	1.2
-7.0	8.0	4.0	25.7	-4.2	2.0	-123.0	2.4
-7.0	5.2	2.7	30.1	-4.5	10.0	-3.0	1.9
-4.7	0.6	-2.1	-124.8	NA	NA	NA	1.8
NA	NA	3.5	NA	NA	NA	NA	0.7
-4.1	4.0	2.9	82.6	NA	NA	NA	1.6
-4.2	4.5	-4.2	23.4	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	1.4
-4.7	4.0	-0.6	-26.2	NA	NA	NA	1.0
-4.8	8.0	1.2	40.6	NA	NA	NA	1.5
-4.9	2.3	0.4	57.9	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.2
-5.0	2.4	-4.8	30.5	NA	NA	NA	2.1
-4.6	2.1	-3.3	43.8	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	0.9
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.8	3.2	-0.7	41.0	NA	NA	NA	1.1
-4.7	3.2	-0.2	43.1	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.8	2.7	0.6	56.0	NA	NA	NA	1.1
-4.7	4.9	1.5	43.4	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.7	5.8	0.1	-42.2	NA	NA	NA	1.0
-4.8	7.2	0.4	32.8	NA	NA	NA	1.1
-4.7	5.0	0.0	62.6	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	0.9
-4.4	3.4	-1.0	-36.7	NA	NA	NA	1.4
-4.5	3.7	-0.1	32.2	NA	NA	NA	0.5
-4.4	3.6	0.0	49.7	NA	NA	NA	0.9
NA	NA	-4.8	NA	NA	NA	NA	1.9
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.7	2.2	-0.6	100.2	-4.2	6.5	11.7	1.5
-4.5	1.7	-2.1	89.4	-4.2	9.9	9.5	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.6
-6.0	2.1	1.4	-12.5	NA	NA	NA	1.0
-6.3	2.5	0.8	26.2	-4.8	10.0	-6.6	1.1
-6.3	8.0	0.7	21.9	-4.8	10.0	-2.9	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.5
-6.4	8.0	0.6	-10.9	NA	NA	NA	1.4
-5.7	8.0	-0.3	23.6	-4.6	2.0	-187.2	1.8
-6.2	5.8	-1.9	43.9	-4.9	1.9	-59.7	1.6
-5.3	5.3	3.9	-38.7	NA	NA	NA	1.8
-4.7	1.5	0.2	-85.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.7	1.7	0.1	27.6	NA	NA	NA	0.4
-5.3	0.5	-0.1	-86.5	NA	NA	NA	1.5
-5.5	1.5	-1.7	-34.3	NA	NA	NA	1.1
-5.9	0.9	-1.2	101.4	-4.6	9.7	63.1	1.3
-5.2	0.8	0.2	191.2	-4.4	10.0	76.3	1.5
NA	NA	-2.6	NA	NA	NA	NA	2.0
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.7	1.2	-1.4	62.2	NA	NA	NA	1.6
-4.7	1.5	-1.0	27.5	NA	NA	NA	0.6
NA	NA	-1.0	NA	NA	NA	NA	1.4
-4.4	1.4	0.2	-105.6	NA	NA	NA	1.0
-5.4	5.4	1.4	38.5	-4.4	10.0	-2.2	1.7
-5.3	3.2	0.3	52.0	NA	NA	NA	1.5
-4.3	2.7	-1.4	-121.6	NA	NA	NA	1.3
-4.3	1.3	-3.4	-67.5	NA	NA	NA	1.4
-5.2	0.6	-0.9	82.6	-4.3	4.4	-132.8	2.3
-5.5	0.6	1.5	83.0	-4.3	10.0	11.8	2.0
-4.5	4.1	-1.7	-97.1	NA	NA	NA	1.5
-4.1	5.7	1.8	-86.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.1	5.2	0.1	97.8	NA	NA	NA	1.0
-4.2	8.0	3.4	-86.0	NA	NA	NA	1.3
-4.6	3.8	-1.3	-75.3	NA	NA	NA	1.0
-4.5	8.0	-1.7	-31.0	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.8	-1.0	89.0	NA	NA	NA	1.1
-4.6	3.6	-1.7	-90.2	NA	NA	NA	1.0
-4.2	8.0	0.6	-75.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.3
-4.2	7.4	0.1	62.4	NA	NA	NA	1.0
-4.4	8.0	1.9	-87.2	NA	NA	NA	1.3
-4.4	6.3	-1.2	-79.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.4	4.0	0.1	125.1	NA	NA	NA	0.4
-4.4	7.6	-0.6	-97.4	NA	NA	NA	1.0
-4.2	6.0	0.3	-88.3	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	6.2	0.0	35.1	NA	NA	NA	0.3
-4.2	8.0	0.3	-127.1	NA	NA	NA	1.5
-4.8	4.0	1.0	-79.2	NA	NA	NA	1.0
-4.6	8.0	-2.6	-27.3	NA	NA	NA	1.2
-4.9	3.6	-2.8	42.9	NA	NA	NA	1.1
-4.7	2.2	-2.1	-89.6	NA	NA	NA	1.0
-4.2	3.1	-0.2	-40.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.2
-4.1	3.7	-0.6	93.9	NA	NA	NA	1.0
-4.1	5.4	-2.8	-72.0	NA	NA	NA	1.8
-4.5	8.0	-1.7	-49.1	NA	NA	NA	1.6
-4.7	7.5	-2.2	-13.8	NA	NA	NA	1.0
-4.2	5.1	-0.2	72.7	NA	NA	NA	1.0
-4.6	4.9	1.2	-76.4	NA	NA	NA	1.4
-4.3	2.7	0.0	-108.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.8	0.0	134.5	NA	NA	NA	0.4
-4.4	8.0	-1.9	-95.8	NA	NA	NA	1.8
-4.3	8.0	-1.1	-47.9	NA	NA	NA	1.5
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.2	8.0	0.2	38.5	NA	NA	NA	0.9
-4.4	8.0	-1.4	-55.4	NA	NA	NA	1.9
-4.4	1.7	-2.3	-98.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.3	2.4	0.1	26.3	NA	NA	NA	0.3
-4.5	8.0	-1.9	-92.5	NA	NA	NA	1.4
-4.3	8.0	0.3	-59.9	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	0.5
-4.1	4.6	0.4	99.6	NA	NA	NA	1.0
-4.2	2.8	-4.1	-109.0	NA	NA	NA	1.8
NA	NA	0.6	NA	NA	NA	NA	1.0
-4.4	8.0	-2.1	37.1	NA	NA	NA	1.0
-4.1	6.9	-1.8	89.0	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	1.7	-36.1	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.2	8.0	-0.8	24.8	NA	NA	NA	0.5
-4.4	8.0	-1.6	-61.9	NA	NA	NA	1.6
-4.5	8.0	1.2	-69.4	NA	NA	NA	1.0
-4.6	0.5	-2.7	-35.2	NA	NA	NA	1.2
-4.4	8.0	-5.0	38.0	NA	NA	NA	1.2
-4.5	8.0	1.3	-56.4	NA	NA	NA	1.4
-4.5	8.0	-1.2	-32.3	NA	NA	NA	1.5
NA	NA	-1.4	NA	NA	NA	NA	0.8
-4.4	7.3	-0.2	22.3	NA	NA	NA	1.0
-4.4	1.7	0.9	-87.6	NA	NA	NA	2.2
-4.2	5.2	-0.9	-81.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	5.0	0.3	44.1	NA	NA	NA	0.4
-4.2	8.0	2.0	-77.1	NA	NA	NA	1.0
-4.1	3.9	0.7	-61.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.1	5.4	-0.2	47.4	NA	NA	NA	1.0
-4.1	3.3	-5.3	-89.1	NA	NA	NA	1.8
-4.5	1.2	1.1	-37.7	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.4	1.3	-0.1	12.0	NA	NA	NA	0.4
NA	NA	-1.3	NA	NA	NA	NA	1.8
NA	NA	2.1	NA	NA	NA	NA	1.5
-4.5	1.7	2.9	73.7	NA	NA	NA	1.7
-4.7	3.7	0.2	34.3	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.9
-5.0	8.0	4.4	-17.3	NA	NA	NA	1.0
-6.0	3.2	-0.5	41.6	-5.4	2.2	0.0	1.0
-5.9	2.0	-2.0	6.2	NA	NA	NA	1.0
NA	NA	-4.8	NA	NA	NA	NA	2.1
-4.4	5.0	-2.4	-70.4	NA	NA	NA	1.0
-4.4	8.0	1.1	-154.9	NA	NA	NA	1.7
-4.8	4.0	1.6	37.9	-4.5	10.0	-11.6	1.0
-4.5	3.3	0.1	-116.1	NA	NA	NA	1.4
-4.4	8.0	-1.8	-99.3	NA	NA	NA	1.4
NA	NA	-1.4	NA	NA	NA	NA	0.3
-4.3	8.0	-0.3	54.8	NA	NA	NA	0.5
-4.6	3.2	0.2	-94.0	NA	NA	NA	1.9
-4.7	8.0	-0.4	-81.7	NA	NA	NA	1.0
-4.6	4.4	-0.1	-20.0	NA	NA	NA	1.0
-4.6	6.1	-0.3	193.7	NA	NA	NA	1.0
-4.7	2.3	-0.1	-108.1	NA	NA	NA	1.2
-4.7	1.5	2.4	-23.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.1

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.3	-0.5	16.3	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.9
-5.1	3.3	-1.6	-66.7	NA	NA	NA	0.9
-5.3	7.7	0.4	28.7	-4.9	9.8	-31.0	1.2
-4.7	8.0	0.8	13.9	NA	NA	NA	1.0
-4.5	6.3	0.3	-70.1	NA	NA	NA	1.2
-4.5	8.0	0.0	-55.8	NA	NA	NA	1.0
-6.2	8.0	1.0	21.4	-5.3	2.3	-120.9	2.1
-5.4	8.0	1.0	-32.5	NA	NA	NA	1.4
-4.8	1.3	-1.7	-108.7	NA	NA	NA	1.8
-4.4	8.0	2.2	-35.0	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	0.8
-4.3	7.9	-1.4	28.3	NA	NA	NA	1.1
NA	NA	-5.3	NA	NA	NA	NA	2.1
-4.8	3.0	0.5	-69.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.8	2.5	-0.3	24.4	NA	NA	NA	0.4
-4.5	1.4	-0.7	-124.8	NA	NA	NA	1.0
-4.6	0.8	0.6	-59.3	NA	NA	NA	1.6
NA	NA	0.8	NA	NA	NA	NA	0.3
-4.5	0.8	-0.6	62.1	NA	NA	NA	0.9
-7.3	0.4	5.1	-18.9	NA	NA	NA	2.2
-4.4	1.1	2.4	-55.2	NA	NA	NA	1.0
-5.9	1.1	1.9	15.2	-4.1	1.1	-25.9	1.0
-5.3	1.1	-0.1	19.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.7
-4.4	4.2	0.3	-25.2	NA	NA	NA	1.0
-4.3	2.8	0.7	69.9	NA	NA	NA	1.4
-4.3	3.5	0.1	68.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.8
-4.4	3.6	-0.5	-33.0	NA	NA	NA	1.0
-4.4	3.3	-0.6	62.3	NA	NA	NA	1.0
-4.3	2.5	-0.3	82.8	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	0.8
-4.5	8.0	1.0	-51.8	NA	NA	NA	1.0
-4.6	8.0	1.3	46.3	-4.2	10.0	7.1	1.0
-4.6	8.0	1.3	62.4	-4.2	2.3	7.9	1.0
-4.3	3.2	1.3	-66.1	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.1
-4.7	8.0	-3.3	18.8	NA	NA	NA	1.6
-4.7	8.0	-3.4	16.0	NA	NA	NA	1.6
NA	NA	-3.3	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.6	8.0	5.2	49.2	NA	NA	NA	2.1
-4.4	3.2	1.0	61.1	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.5	NA	NA	NA	NA	0.9
-4.6	0.8	0.8	39.7	NA	NA	NA	1.8
-4.5	1.8	2.4	38.1	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.7	2.9	-0.8	26.4	NA	NA	NA	1.0
-4.7	2.3	-0.3	62.3	-4.1	10.0	15.9	1.5
NA	NA	0.5	NA	NA	NA	NA	0.8
NA	NA	2.7	NA	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.4
-4.4	6.8	0.7	52.6	NA	NA	NA	1.0
-5.4	2.6	0.6	10.4	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.3
-5.6	1.6	1.4	-26.3	-4.6	5.0	-10.9	1.2
NA	NA	-1.2	NA	NA	NA	NA	1.1
-4.7	1.4	-1.0	24.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.8
NA	NA	1.3	NA	NA	NA	NA	1.7
-4.8	2.5	-2.2	66.0	-4.2	10.0	9.2	1.7
NA	NA	-0.1	NA	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	2.2
-4.7	8.0	-2.4	14.0	NA	NA	NA	1.7
-4.8	2.3	-1.7	55.5	-4.1	2.1	14.4	1.0
-5.3	1.9	-0.1	19.5	-4.0	7.7	-16.3	1.0
NA	NA	0.1	NA	NA	NA	NA	1.8
-4.9	2.4	0.8	10.2	NA	NA	NA	1.0
-4.8	1.3	-0.3	28.0	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.7
NA	NA	3.8	NA	NA	NA	NA	1.9
NA	NA	-1.1	NA	NA	NA	NA	0.4
-4.5	2.1	-0.2	58.9	NA	NA	NA	1.4
-4.7	2.5	1.1	39.4	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.6
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.1	5.6	3.0	64.0	NA	NA	NA	1.4
-4.3	4.5	1.3	29.5	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.1
NA	NA	-4.5	NA	NA	NA	NA	1.2
-4.7	8.0	3.3	50.1	NA	NA	NA	1.9
-4.8	2.3	2.0	46.3	NA	NA	NA	1.6
NA	NA	-3.0	NA	NA	NA	NA	1.5
-4.9	8.0	-1.8	-12.3	NA	NA	NA	1.0
-4.6	1.2	-2.4	71.2	NA	NA	NA	1.3
-4.6	1.4	-1.8	71.3	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.8
-4.2	8.0	-1.0	-25.3	NA	NA	NA	1.0
-4.3	4.4	0.6	63.8	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	5.4	1.0	78.3	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.2
-4.9	1.8	-1.2	-16.2	NA	NA	NA	0.8
-4.7	1.5	-0.2	116.9	NA	NA	NA	1.7
-4.8	1.4	0.6	88.8	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.6
NA	NA	-1.5	NA	NA	NA	NA	1.4
-4.6	8.0	-0.4	51.3	-4.0	6.2	6.5	1.0
-4.6	8.0	0.1	32.6	NA	NA	NA	0.9
NA	NA	-5.6	NA	NA	NA	NA	1.9
NA	NA	-1.5	NA	NA	NA	NA	1.0
-4.5	2.6	-6.5	47.8	NA	NA	NA	2.0
-4.7	5.4	-2.8	36.4	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.5	6.9	-0.5	-57.4	NA	NA	NA	1.1
NA	NA	1.8	NA	NA	NA	NA	1.5
-4.5	8.0	2.1	74.6	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	1.4
-4.1	4.2	0.8	-43.4	NA	NA	NA	1.2
-4.5	6.3	-0.1	29.3	NA	NA	NA	1.6
-4.2	3.9	-0.8	62.8	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	1.5
-4.5	1.4	1.3	-24.3	NA	NA	NA	1.0
-4.7	4.3	1.9	24.4	NA	NA	NA	1.0
-4.6	2.7	0.7	35.7	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.2
NA	NA	1.3	NA	NA	NA	NA	1.2
-4.7	2.1	-3.5	83.8	-4.3	9.5	-40.3	1.8
-4.6	2.1	-1.4	44.6	-4.2	10.0	-31.3	1.0
NA	NA	0.2	NA	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.5	2.0	2.5	69.4	NA	NA	NA	1.8
-4.5	2.5	1.2	59.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.5
-4.7	8.0	0.1	-10.9	NA	NA	NA	1.0
-4.7	8.0	-0.7	32.9	NA	NA	NA	1.5
-4.7	8.0	-0.6	28.5	NA	NA	NA	1.3
NA	NA	-2.6	NA	NA	NA	NA	1.2
-4.5	3.7	0.6	-51.4	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.0
-4.5	2.8	-0.7	33.8	NA	NA	NA	1.0
-4.4	8.0	-1.4	-45.7	NA	NA	NA	1.1
NA	NA	-2.8	NA	NA	NA	NA	1.2
-4.9	1.2	0.1	77.1	-4.3	10.0	13.4	1.3
-4.8	1.7	1.2	67.8	-4.1	9.3	24.1	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.9	NA	NA	NA	NA	1.7
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	8.0	-1.0	18.1	NA	NA	NA	0.9
NA	NA	-10.6	NA	NA	NA	NA	1.9
-5.5	4.3	2.3	-13.9	NA	NA	NA	1.0
-4.8	1.0	-5.1	95.8	NA	NA	NA	1.9
-5.3	2.0	-5.9	39.3	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	1.3
-4.6	8.0	0.9	-8.6	NA	NA	NA	1.2
-4.5	8.0	-2.0	49.9	NA	NA	NA	1.0
-4.4	6.1	-1.2	39.6	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	0.7
-4.6	3.5	2.0	52.1	NA	NA	NA	1.4
-4.6	6.2	1.3	32.2	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.6	4.5	-2.7	-16.1	NA	NA	NA	1.2
-4.6	2.3	-2.7	48.4	NA	NA	NA	1.0
-4.9	3.7	-1.3	41.5	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.2
NA	NA	-0.4	NA	NA	NA	NA	1.0
-4.2	8.0	-0.5	83.8	NA	NA	NA	0.5
-4.2	8.0	0.0	59.4	NA	NA	NA	0.9
NA	NA	7.0	NA	NA	NA	NA	2.2
-4.6	2.9	-0.3	-72.2	NA	NA	NA	1.0
NA	NA	-6.3	NA	NA	NA	NA	1.4
-4.5	3.7	-3.4	98.2	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.8
-4.8	1.6	-0.6	-35.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.2
-4.9	1.4	-0.4	19.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.7
-4.5	2.9	0.0	-32.8	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	2.4	-0.2	12.4	NA	NA	NA	0.4
NA	NA	-2.3	NA	NA	NA	NA	0.6
-4.7	2.2	-2.5	-39.4	NA	NA	NA	1.1
-4.8	8.0	-0.2	28.7	NA	NA	NA	1.0
-4.5	2.1	0.6	67.0	NA	NA	NA	0.9
NA	NA	-3.7	NA	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.8	5.7	-3.7	21.9	NA	NA	NA	1.5
-4.4	3.9	-1.2	49.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.4
-4.4	3.9	-0.6	-103.0	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.6

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	-0.7	267.2	NA	NA	NA	1.0
-4.4	3.9	-0.8	-125.7	NA	NA	NA	1.5
-5.8	1.4	-2.0	-81.3	NA	NA	NA	1.7
-6.4	2.7	5.4	104.3	-5.8	3.6	-36.6	1.4
-6.6	8.0	3.8	84.5	-5.8	10.0	43.2	2.0
-5.3	8.0	-17.2	-86.8	NA	NA	NA	2.1
-5.3	1.3	0.0	-66.1	NA	NA	NA	1.3
-6.3	0.9	-3.1	43.7	-4.9	3.1	-175.6	2.2
-6.2	0.6	-3.9	39.0	-4.8	10.0	-6.5	1.4
-5.2	1.8	-0.3	-100.5	NA	NA	NA	1.9
-4.4	8.0	0.9	-53.4	NA	NA	NA	1.4
NA	NA	-1.6	NA	NA	NA	NA	0.7
-4.3	5.0	-1.7	34.5	NA	NA	NA	1.0
-5.0	1.5	0.8	-69.4	NA	NA	NA	2.0
-5.1	1.3	2.8	-82.1	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.4	1.1	-0.8	119.5	NA	NA	NA	0.4
-4.9	1.2	-2.1	-105.9	NA	NA	NA	2.2
-4.6	0.9	1.4	-90.6	NA	NA	NA	1.6
-6.6	8.0	1.0	23.6	-4.6	0.7	0.5	1.0
-5.3	0.6	-1.7	44.5	NA	NA	NA	1.5
-5.0	1.3	-3.9	-98.3	NA	NA	NA	2.3
-4.3	3.6	1.0	-91.7	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.2	4.9	-0.5	26.5	NA	NA	NA	0.3
-5.5	1.4	1.0	-88.4	NA	NA	NA	2.3
-4.2	2.8	-0.3	-102.0	NA	NA	NA	1.2
-5.4	1.6	-1.1	16.1	-4.3	2.5	-15.2	1.0
-4.1	3.5	0.0	146.2	NA	NA	NA	1.0
-4.3	8.0	-3.5	-88.3	NA	NA	NA	1.6
-4.5	5.4	0.7	-54.9	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.5
-4.5	4.2	-0.7	72.7	NA	NA	NA	1.0
-4.4	2.1	0.2	-75.4	NA	NA	NA	1.3
-5.7	1.4	1.4	-83.3	NA	NA	NA	1.1
-6.4	2.7	0.8	159.2	-6.0	4.0	-34.2	1.0
-6.4	3.3	-0.4	202.9	-6.1	9.8	48.1	2.0
-7.0	7.3	0.2	9.7	-5.4	3.4	-94.4	1.5
-4.7	2.1	0.7	-67.6	NA	NA	NA	1.3
-6.8	1.6	1.5	22.0	-4.7	5.2	-161.0	2.2
-6.8	1.3	-0.6	21.9	-4.5	4.8	-15.8	1.2
-4.8	2.0	-0.1	-102.4	NA	NA	NA	1.9
-4.4	8.0	1.0	-53.2	NA	NA	NA	1.2
NA	NA	0.7	NA	NA	NA	NA	0.5
-4.3	3.6	-0.2	50.9	NA	NA	NA	1.0
-4.5	1.7	2.3	-103.6	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.4	2.7	1.7	-102.6	NA	NA	NA	1.0
-5.1	2.6	0.9	24.5	-4.6	9.9	-1.2	0.5
-4.4	1.8	0.2	128.7	NA	NA	NA	0.4
-4.3	2.0	0.5	-132.1	NA	NA	NA	1.4
-5.1	2.1	-1.2	-72.4	NA	NA	NA	1.4
-6.8	7.3	1.3	24.0	-5.6	0.8	4.0	1.0
-4.8	0.8	0.7	112.8	NA	NA	NA	1.3
-5.4	1.8	5.5	-95.6	NA	NA	NA	1.9
-4.4	1.4	0.4	-105.7	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	5.1	0.0	25.0	NA	NA	NA	0.3
-5.6	2.6	-1.0	-82.0	NA	NA	NA	2.2
-4.3	2.1	-0.4	-88.1	NA	NA	NA	1.0
-5.8	3.3	-1.7	14.0	-4.5	9.9	-8.0	1.0
-4.9	1.4	0.3	29.0	NA	NA	NA	1.0
-4.2	1.7	-1.2	-131.8	NA	NA	NA	1.7
-5.0	4.5	-2.1	-26.1	NA	NA	NA	1.2
-4.9	1.2	-3.6	74.5	NA	NA	NA	1.0
-4.9	1.5	-1.7	77.6	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.5
-5.6	4.3	1.8	-24.0	-4.7	9.9	-9.0	1.2
-5.5	8.0	1.1	80.7	NA	NA	NA	1.9
-5.5	6.6	0.3	88.0	-4.8	3.7	59.5	1.1
-5.4	8.0	-1.7	55.5	-4.7	5.8	-31.8	1.9
NA	NA	-2.1	NA	NA	NA	NA	1.3
-5.0	6.7	-2.1	32.1	NA	NA	NA	1.0
-5.0	5.1	-0.1	28.0	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.6	5.2	-0.5	42.9	NA	NA	NA	1.0
-4.6	8.0	0.3	27.4	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.3
-4.1	8.0	-0.2	-60.6	NA	NA	NA	1.7
-5.8	8.0	4.3	61.9	-4.5	2.4	-133.8	2.3
-5.7	8.0	-0.3	57.8	-4.7	10.0	-15.7	1.0
-4.3	1.8	-2.6	-134.2	NA	NA	NA	1.6
-4.4	5.7	0.0	-83.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	3.9	0.0	99.6	NA	NA	NA	0.4
-4.4	8.0	1.8	-96.7	NA	NA	NA	1.3
-4.2	8.0	-0.8	-59.4	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	8.0	0.3	38.6	NA	NA	NA	0.5
-4.4	1.5	2.8	-107.4	NA	NA	NA	1.5
-4.3	1.3	1.9	-102.6	NA	NA	NA	1.2
-4.3	8.0	2.3	-26.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.1	1.3	0.0	144.6	NA	NA	NA	1.0
-4.1	8.0	0.1	-134.8	NA	NA	NA	2.0
-4.7	8.0	1.3	-36.2	NA	NA	NA	1.0
-5.0	8.0	-3.5	30.1	-4.4	3.8	-87.7	1.5
-4.8	7.8	-1.4	54.4	-4.6	10.0	4.9	1.0
-4.6	8.0	-2.2	-92.7	NA	NA	NA	1.4
NA	NA	-0.4	NA	NA	NA	NA	0.8
-5.5	0.6	-2.9	27.7	NA	NA	NA	1.8
-4.6	1.3	0.2	27.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.3
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.5	8.0	0.4	50.0	NA	NA	NA	1.0
-4.5	5.9	-0.3	28.6	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.2
-4.2	3.5	0.0	-103.3	NA	NA	NA	1.0
-4.5	8.0	-0.8	43.1	-4.3	10.0	-7.9	1.1
-4.4	5.3	-0.4	65.5	NA	NA	NA	1.0
-4.3	2.9	-2.4	-122.8	NA	NA	NA	1.4
-4.2	8.0	1.8	-62.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	38.6	NA	NA	NA	0.3
-4.2	1.8	0.7	-113.0	NA	NA	NA	1.6
-4.1	8.0	2.3	-72.8	NA	NA	NA	1.3
-4.1	7.5	-3.1	-17.1	NA	NA	NA	1.0
-4.1	8.0	-1.8	48.6	NA	NA	NA	1.0
-4.1	3.2	-2.9	-96.6	NA	NA	NA	1.5
-5.3	4.1	-0.2	-54.3	NA	NA	NA	1.1
-5.6	2.7	0.8	37.6	-5.1	9.7	-14.9	1.6
-4.3	7.6	1.1	24.0	NA	NA	NA	1.5
-5.0	8.0	0.2	-87.5	-4.5	1.6	-58.2	1.1
NA	NA	-0.7	NA	NA	NA	NA	1.5
-4.4	1.5	3.8	71.7	NA	NA	NA	1.7
-4.5	0.9	0.9	57.0	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.4
-5.0	8.0	1.7	-8.1	NA	NA	NA	1.0
-4.8	2.0	0.3	121.1	-4.4	9.6	28.5	1.0
-4.8	1.7	-1.0	98.1	-4.4	10.0	21.3	0.9
NA	NA	1.1	NA	NA	NA	NA	1.5
-4.7	8.0	-1.6	-15.1	NA	NA	NA	0.9
-5.0	0.4	-2.1	65.3	NA	NA	NA	1.9
-5.0	0.6	1.8	55.2	NA	NA	NA	1.5
NA	NA	-2.4	NA	NA	NA	NA	1.7
-4.4	3.0	-1.8	-40.2	NA	NA	NA	1.0
-5.1	1.5	0.0	14.6	-4.1	7.6	-18.5	0.5
-4.9	1.0	0.5	12.5	NA	NA	NA	0.4
-4.7	2.1	-0.3	81.8	-4.3	10.0	15.2	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.9	4.7	-3.0	-15.8	NA	NA	NA	1.2
-4.8	1.9	-1.0	82.6	-4.3	10.0	15.5	1.0
-4.8	2.1	0.3	75.1	-4.4	9.6	12.9	0.9
NA	NA	-2.4	NA	NA	NA	NA	1.7
-6.5	2.1	-1.5	-38.7	-5.6	4.7	-5.2	1.3
-6.3	1.5	-0.3	204.0	-5.6	9.1	-15.5	1.0
-6.4	1.7	0.8	242.6	-5.6	8.2	-2.7	1.0
NA	NA	-2.6	NA	NA	NA	NA	2.0
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.9	7.5	2.2	40.4	NA	NA	NA	1.3
-4.7	4.0	0.9	21.0	NA	NA	NA	0.5
NA	NA	1.1	NA	NA	NA	NA	1.8
-4.3	2.6	-0.1	-41.6	NA	NA	NA	1.0
-4.2	1.7	0.3	102.4	NA	NA	NA	1.0
-4.3	2.1	0.1	128.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.5	6.7	-1.9	-17.2	NA	NA	NA	1.0
-4.3	8.0	-0.1	-70.5	NA	NA	NA	1.7
-4.5	8.0	0.8	50.4	-4.2	10.0	-11.5	1.0
-4.2	2.1	-2.8	-84.5	NA	NA	NA	1.7
-4.3	2.6	-0.8	-89.7	NA	NA	NA	1.1
-4.7	7.8	-0.1	27.4	-4.2	5.3	-6.4	0.5
-4.3	3.1	0.5	135.5	NA	NA	NA	0.9
-4.3	2.0	-4.2	-119.3	NA	NA	NA	1.8
-4.1	7.6	1.7	-47.9	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.1	8.0	-0.8	55.7	NA	NA	NA	0.5
NA	NA	-0.5	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.6	1.2	-2.5	83.2	NA	NA	NA	1.7
-5.0	1.9	-0.4	41.5	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	1.7
-4.9	6.2	0.2	-43.1	NA	NA	NA	1.0
-4.9	5.1	-0.7	112.3	-4.5	10.0	26.7	1.5
-4.8	2.1	-1.2	172.4	-4.3	10.0	47.0	1.4
NA	NA	-4.3	NA	NA	NA	NA	2.0
-4.4	7.6	-1.8	-18.8	NA	NA	NA	1.0
-4.5	5.2	-1.7	51.7	NA	NA	NA	1.5
-4.5	8.0	-0.2	52.3	NA	NA	NA	1.3
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.2	7.8	2.0	-25.7	NA	NA	NA	1.0
-4.2	4.9	-0.6	81.3	NA	NA	NA	1.0
-4.2	5.3	-1.5	77.7	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.9
-4.2	8.0	-1.0	-33.5	NA	NA	NA	1.0
-4.2	6.2	-1.5	56.0	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	7.6	-0.3	67.1	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.0
-4.5	0.9	-1.0	-15.0	NA	NA	NA	0.7
-4.3	1.7	4.3	103.2	NA	NA	NA	2.1
-4.4	1.0	1.6	61.2	NA	NA	NA	1.2
NA	NA	-4.5	NA	NA	NA	NA	1.4
-4.2	5.7	0.6	-62.5	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.5
-4.2	5.1	0.3	92.5	NA	NA	NA	1.0
-4.2	6.0	0.9	-104.5	NA	NA	NA	1.2
-4.4	4.3	-2.4	-31.9	NA	NA	NA	1.0
-4.4	1.6	-0.8	26.1	-4.3	10.0	8.9	0.5
-4.6	5.5	0.5	55.2	-4.2	9.8	15.1	0.9
-4.3	2.9	8.0	-72.9	NA	NA	NA	1.9
-6.9	0.4	1.8	-9.5	NA	NA	NA	1.2
-6.8	8.0	-0.1	27.8	NA	NA	NA	1.0
-6.8	7.5	0.5	23.5	NA	NA	NA	1.0
NA	NA	-5.7	NA	NA	NA	NA	2.2
-4.3	5.3	-0.2	-21.4	NA	NA	NA	0.7
-5.5	2.5	-1.0	-24.7	-4.6	10.0	-0.8	1.9
-5.5	1.9	1.1	-14.4	-4.4	5.0	45.6	0.8
NA	NA	-2.5	NA	NA	NA	NA	1.2
-4.3	1.5	-1.5	-27.3	NA	NA	NA	1.2
-4.9	8.0	-1.3	54.4	-4.7	10.0	15.8	1.0
-5.0	8.0	-0.7	27.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.9
-4.3	0.6	1.4	-11.9	NA	NA	NA	1.0
-5.0	3.2	1.1	15.7	NA	NA	NA	1.0
-4.8	1.2	0.5	21.8	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	2.0
NA	NA	-2.5	NA	NA	NA	NA	1.4
-5.2	0.5	-1.7	80.4	NA	NA	NA	2.0
-5.2	0.6	-2.0	50.2	NA	NA	NA	1.3
NA	NA	-0.8	NA	NA	NA	NA	1.7
NA	NA	2.4	NA	NA	NA	NA	1.0
-4.4	1.1	2.2	76.0	NA	NA	NA	1.6
-4.6	1.5	-1.6	40.8	NA	NA	NA	1.1
NA	NA	2.0	NA	NA	NA	NA	1.8
NA	NA	-1.7	NA	NA	NA	NA	1.0
-4.4	3.2	-4.3	56.4	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.9
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.2	3.1	-1.1	-36.2	NA	NA	NA	1.2
-4.4	8.0	1.0	74.1	NA	NA	NA	1.7
-4.4	8.0	1.0	79.7	NA	NA	NA	1.2
NA	NA	0.6	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.9	7.3	0.0	-17.6	NA	NA	NA	1.0
-4.8	2.8	0.4	42.7	NA	NA	NA	1.6
-4.7	2.0	0.7	65.8	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.6	8.0	1.1	-10.7	NA	NA	NA	1.1
-4.5	1.7	-5.2	83.6	NA	NA	NA	2.3
-4.7	2.9	-0.2	59.3	NA	NA	NA	1.3
NA	NA	1.5	NA	NA	NA	NA	1.2
-4.1	8.0	-2.0	40.2	NA	NA	NA	1.4
-4.8	1.1	1.5	156.7	-4.1	9.8	-81.2	1.7
-4.8	1.1	0.5	118.0	-4.2	10.0	-25.1	1.0
NA	NA	0.7	NA	NA	NA	NA	1.4
-4.4	5.5	-0.8	-76.1	NA	NA	NA	1.0
-4.4	8.0	-1.0	-30.9	NA	NA	NA	1.2
-4.3	2.6	-0.3	66.1	NA	NA	NA	1.0
-4.5	8.0	-3.8	-71.7	NA	NA	NA	1.7
-4.2	5.8	-0.8	-55.5	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	0.4
-4.2	8.0	-1.1	51.3	NA	NA	NA	1.0
-4.2	4.8	1.5	-105.1	NA	NA	NA	1.5
-4.2	8.0	0.2	-98.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.2	8.0	-0.4	34.8	NA	NA	NA	0.3
-4.2	8.0	0.0	-128.8	NA	NA	NA	1.4
-4.1	8.0	3.1	-65.2	NA	NA	NA	1.2
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.1	8.0	-0.9	32.0	NA	NA	NA	0.5
-4.2	2.2	0.0	-85.1	NA	NA	NA	1.6
-4.5	2.1	2.3	-92.6	NA	NA	NA	1.2
-5.2	1.3	0.7	35.5	-4.5	10.0	-25.1	1.3
-4.8	1.1	-0.3	36.6	NA	NA	NA	1.2
-4.5	7.4	-0.8	-83.7	NA	NA	NA	1.3
-4.3	7.7	0.8	-37.2	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	2.0
-4.6	2.3	-1.4	31.7	NA	NA	NA	1.0
-4.1	6.2	-0.8	-86.2	NA	NA	NA	1.0
-4.3	4.8	-1.6	-63.8	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	0.6
-4.2	8.0	-0.2	75.0	NA	NA	NA	0.5
-4.5	5.4	-1.3	-80.9	NA	NA	NA	2.0
-4.2	3.4	-0.4	-114.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	5.1	0.1	173.1	NA	NA	NA	0.4
-4.2	8.0	2.4	-120.3	NA	NA	NA	1.0
-4.2	3.5	-2.3	-90.8	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0



ga	gw	zr	tp	la	lw	bt	er
-4.2	4.5	0.0	20.4	NA	NA	NA	0.3
-4.2	8.0	1.3	-119.9	NA	NA	NA	1.6
-4.1	8.0	1.7	-72.1	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	0.7
-4.1	6.5	-0.1	69.9	NA	NA	NA	1.0
-4.1	3.6	-1.7	-106.5	NA	NA	NA	1.8
NA	NA	-0.8	NA	NA	NA	NA	0.4
-4.2	6.5	-1.3	45.8	NA	NA	NA	1.1
-4.2	6.0	-0.3	48.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.9
NA	NA	-3.0	NA	NA	NA	NA	1.3
-4.7	8.0	-1.3	28.9	NA	NA	NA	1.2
-4.6	8.0	-0.1	28.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.7
NA	NA	-0.3	NA	NA	NA	NA	0.7
-4.1	4.5	-1.2	59.2	NA	NA	NA	1.4
-4.5	2.1	0.0	31.9	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.4
NA	NA	3.3	NA	NA	NA	NA	1.1
-4.6	1.5	2.5	72.1	NA	NA	NA	1.8
-4.6	2.4	-1.9	39.5	NA	NA	NA	1.0
-4.6	0.8	0.3	-49.8	NA	NA	NA	1.6
-4.8	4.1	-2.3	-36.4	NA	NA	NA	1.2
-5.0	3.0	2.1	87.0	-4.2	10.0	58.8	1.2
-5.0	3.1	2.7	90.2	NA	NA	NA	1.3
NA	NA	0.8	NA	NA	NA	NA	1.2
NA	NA	-1.8	NA	NA	NA	NA	1.4
-4.5	0.9	-2.5	45.7	NA	NA	NA	2.1
-4.5	1.0	0.3	50.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	2.8	NA	NA	NA	NA	1.1
-4.3	8.0	0.1	68.3	NA	NA	NA	1.0
-4.2	7.5	-1.0	47.3	NA	NA	NA	0.9
NA	NA	-2.5	NA	NA	NA	NA	1.9
-4.8	4.6	-1.1	-19.0	NA	NA	NA	1.0
-4.8	8.0	-0.7	35.3	NA	NA	NA	1.0
-4.8	4.4	0.0	41.0	NA	NA	NA	1.0
NA	NA	2.9	NA	NA	NA	NA	1.5
NA	NA	-2.0	NA	NA	NA	NA	1.1
-5.2	1.5	1.3	28.5	NA	NA	NA	1.2
-4.9	8.0	1.4	26.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.7
-5.5	1.1	0.6	-88.1	NA	NA	NA	1.7
-6.7	8.0	-0.2	71.2	-6.1	10.0	-27.9	1.1
-4.9	2.7	1.0	118.2	-4.7	0.5	66.9	1.4
-5.3	1.1	2.8	-91.9	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-6.6	1.2	5.0	-68.1	NA	NA	NA	1.6
-7.9	4.3	2.8	81.6	-7.3	6.6	-143.1	3.4
-7.5	0.7	-11.5	75.6	-7.3	10.0	-6.5	2.5
-7.4	3.7	-1.3	-97.7	NA	NA	NA	1.7
-7.2	8.0	1.3	42.3	-4.5	0.9	-115.0	1.5
-5.5	5.3	-1.8	17.6	-4.8	10.0	-0.6	1.3
-4.3	2.3	-4.6	152.8	NA	NA	NA	2.0
-4.5	0.8	-7.9	-111.8	NA	NA	NA	2.5
-6.4	1.7	2.7	-83.8	NA	NA	NA	1.7
-5.7	8.0	-0.1	3.5	NA	NA	NA	0.5
-5.1	0.8	-0.9	159.8	NA	NA	NA	1.3
-6.7	5.4	2.4	-84.6	NA	NA	NA	1.7
-5.1	1.4	2.5	-86.2	NA	NA	NA	1.9
-5.6	1.0	1.2	42.5	-4.8	8.7	11.7	1.4
-4.7	0.9	0.4	252.8	NA	NA	NA	2.1
-5.0	0.5	2.6	-119.0	NA	NA	NA	2.3
-6.2	1.9	0.4	-75.8	NA	NA	NA	1.4
NA	NA	-0.7	NA	NA	NA	NA	0.0
-5.0	1.6	-0.2	41.2	NA	NA	NA	0.3
-6.4	1.6	-2.6	-74.6	NA	NA	NA	2.1
-5.9	1.2	7.0	-81.9	NA	NA	NA	1.5
-6.5	2.8	3.1	-8.2	NA	NA	NA	0.6
-5.0	1.3	-0.4	165.7	NA	NA	NA	1.4
-6.1	0.6	9.6	-110.6	NA	NA	NA	1.9
NA	NA	-1.8	NA	NA	NA	NA	1.0
-4.9	2.3	1.5	30.3	NA	NA	NA	1.7
-4.4	0.7	0.7	35.2	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	1.6
-4.5	4.4	1.5	-46.7	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.4
-4.6	8.0	-1.6	32.5	-4.2	9.2	-9.9	1.0
-4.2	8.0	1.1	-99.7	NA	NA	NA	1.2
-5.9	1.4	-1.1	-22.1	NA	NA	NA	1.0
-6.0	1.0	-2.0	75.8	NA	NA	NA	1.9
-5.7	1.0	-1.0	95.1	NA	NA	NA	1.2
-5.2	2.2	-4.9	19.2	NA	NA	NA	1.8
-4.6	2.2	0.5	-61.2	NA	NA	NA	1.0
-5.0	3.7	1.6	64.3	NA	NA	NA	1.3
-4.6	2.1	0.4	145.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.8
-5.4	7.6	1.2	-28.8	-4.4	4.3	-15.2	0.7
-5.8	4.7	-2.0	114.0	-5.0	3.4	44.0	1.8
-5.4	7.9	-1.6	116.2	-4.9	2.9	48.6	1.0
-5.3	2.7	0.4	-65.5	NA	NA	NA	1.7
-4.8	6.2	0.9	-54.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	2.3	-0.1	23.8	NA	NA	NA	0.4
-5.0	2.3	0.7	-90.7	NA	NA	NA	1.3
-5.1	1.1	-0.7	-16.9	NA	NA	NA	0.8
-5.3	0.6	0.5	52.0	NA	NA	NA	1.8
-5.0	2.4	1.9	48.2	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.5
-4.9	2.5	0.7	-14.7	NA	NA	NA	1.0
-4.6	1.1	4.5	62.2	NA	NA	NA	1.6
-4.7	1.7	2.6	46.6	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.4
NA	NA	-1.6	NA	NA	NA	NA	1.0
-4.7	4.5	2.3	46.8	NA	NA	NA	1.0
-4.7	2.2	0.9	40.8	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.3
-6.7	2.8	0.7	-40.3	-4.6	2.4	-14.4	1.1
-6.3	8.0	0.6	-24.8	-5.3	10.0	17.8	2.1
-5.2	8.0	-0.9	69.2	-4.8	9.9	10.5	1.7
-5.9	8.0	-1.6	-38.0	-5.4	10.0	5.8	1.4
-4.8	5.3	1.7	-24.6	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	1.7
-4.7	5.1	-0.6	42.5	NA	NA	NA	1.0
-5.6	8.0	-1.1	-27.9	NA	NA	NA	1.3
-5.2	8.0	0.0	-15.0	NA	NA	NA	2.0
-5.8	0.6	-2.1	43.2	-4.3	10.0	18.2	1.6
-6.9	8.0	-1.0	16.5	NA	NA	NA	1.4
NA	NA	-12.9	NA	NA	NA	NA	2.4
NA	NA	-1.6	NA	NA	NA	NA	1.1
-5.1	1.3	0.1	48.0	-4.3	10.0	10.0	1.0
-5.6	3.7	0.2	19.9	NA	NA	NA	1.0
-5.8	2.0	1.0	-32.1	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	0.8
-4.7	1.3	1.5	77.1	NA	NA	NA	1.6
-4.4	1.1	0.5	84.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.4
-4.6	5.4	-0.9	-10.4	NA	NA	NA	1.3
-5.2	2.1	0.3	40.7	-4.3	9.9	12.7	1.8
-5.2	1.2	-0.4	34.8	-4.0	10.0	2.0	1.2
NA	NA	-8.0	NA	NA	NA	NA	2.1
-5.5	5.5	-0.2	-17.2	NA	NA	NA	1.1
-5.3	6.1	-2.0	53.1	-4.7	8.4	-16.7	1.2
-5.2	3.2	-4.1	74.6	-4.7	10.0	-10.2	1.5
NA	NA	-0.7	NA	NA	NA	NA	1.3
NA	NA	-3.6	NA	NA	NA	NA	1.3
-5.1	1.5	-1.4	67.1	-4.2	10.0	-19.5	1.7
-4.8	1.1	1.9	81.9	-4.1	10.0	-27.7	1.1
NA	NA	-5.3	NA	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.5	0.7	-0.9	38.7	-4.2	10.0	-3.0	1.0
-4.3	1.0	1.1	41.2	-4.1	10.0	1.8	1.0
NA	NA	-1.0	NA	NA	NA	NA	2.1
NA	NA	0.2	NA	NA	NA	NA	0.8
-4.9	7.0	1.6	70.7	NA	NA	NA	1.0
-4.9	6.7	1.0	47.1	NA	NA	NA	1.0
NA	NA	5.9	NA	NA	NA	NA	1.4
-4.3	1.8	-1.8	-31.2	NA	NA	NA	1.0
-4.3	2.7	-0.3	76.7	NA	NA	NA	1.1
-4.1	1.6	-0.2	85.0	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.3
-4.4	1.1	-1.1	-78.3	NA	NA	NA	1.2
-4.5	8.0	-5.7	-140.4	NA	NA	NA	2.0
-5.4	7.7	-2.3	13.6	-4.5	5.3	-18.5	1.1
-4.5	8.0	1.6	-99.7	NA	NA	NA	1.4
-4.7	8.0	-1.0	-68.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	5.7	0.2	49.3	NA	NA	NA	0.4
-4.8	4.6	0.3	-99.5	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	0.6
-4.5	4.0	-0.5	40.0	NA	NA	NA	1.0
-4.4	3.9	0.5	36.6	NA	NA	NA	0.9
NA	NA	1.1	NA	NA	NA	NA	1.3
-4.2	2.4	-0.3	-62.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.3
-4.2	2.0	-0.3	31.4	NA	NA	NA	1.0
-4.1	3.9	3.1	-88.3	NA	NA	NA	1.9
-4.7	0.7	1.9	-51.5	NA	NA	NA	1.3
-4.8	3.2	3.5	-101.3	NA	NA	NA	2.1
-5.8	1.2	-1.1	28.8	-4.5	10.0	-6.6	1.2
-5.0	3.3	-2.0	-71.2	NA	NA	NA	1.6
-4.7	6.5	0.6	-75.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.7	8.0	0.0	39.9	NA	NA	NA	0.4
-4.9	4.0	1.0	-98.2	NA	NA	NA	1.2
-4.8	2.9	0.7	-22.7	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.4
-4.8	1.5	-0.6	17.2	NA	NA	NA	1.0
-4.4	0.7	5.7	-48.8	NA	NA	NA	2.1
-4.6	6.2	0.9	-19.0	NA	NA	NA	1.0
-4.7	2.2	0.1	40.9	NA	NA	NA	1.1
-4.7	3.0	-0.9	38.8	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.2	8.0	1.0	-49.7	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	0.0	26.3	NA	NA	NA	0.5
-4.3	8.0	1.1	-59.4	NA	NA	NA	1.8
NA	NA	1.3	NA	NA	NA	NA	0.8
-4.7	1.8	-0.7	40.1	NA	NA	NA	1.9
-4.9	4.0	0.6	10.9	NA	NA	NA	1.1
NA	NA	2.6	NA	NA	NA	NA	1.6
-5.9	0.8	3.7	-14.8	NA	NA	NA	1.4
-5.4	1.0	-8.2	128.1	-4.6	10.0	-55.0	3.1
-5.5	1.8	1.6	101.2	-4.6	9.9	7.1	1.7
-4.5	3.2	1.1	-114.1	NA	NA	NA	1.2
-5.0	2.6	1.8	-18.8	NA	NA	NA	1.6
-5.2	8.0	0.1	42.1	NA	NA	NA	1.0
-5.1	8.0	-0.6	56.3	-4.9	9.9	25.9	0.9
NA	NA	-8.2	NA	NA	NA	NA	1.8
NA	NA	-2.8	NA	NA	NA	NA	1.3
-5.9	3.4	-1.8	19.2	NA	NA	NA	1.9
-5.2	0.8	-1.3	43.3	-4.0	2.9	1.7	1.4
NA	NA	4.0	NA	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.6	2.4	1.0	65.1	NA	NA	NA	1.7
-4.6	2.2	0.6	50.7	NA	NA	NA	1.5
NA	NA	2.0	NA	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.7
-6.0	1.5	-1.0	41.7	NA	NA	NA	1.7
-5.9	1.7	-1.2	33.0	NA	NA	NA	1.1
-6.2	2.3	1.6	-57.9	NA	NA	NA	1.6
-5.8	1.2	0.2	-81.5	NA	NA	NA	1.5
-6.3	2.8	2.6	110.7	-5.8	3.5	-36.4	1.3
-6.3	2.3	0.0	114.7	-5.8	10.0	44.4	2.0
-5.4	8.0	0.7	-95.0	NA	NA	NA	1.3
-4.9	1.4	-0.4	-68.0	NA	NA	NA	1.3
-4.9	3.3	-4.8	-113.2	NA	NA	NA	2.6
-7.4	1.0	-7.3	4.7	NA	NA	NA	1.5
-5.1	2.0	-0.1	-102.8	NA	NA	NA	1.7
-4.3	2.9	-1.0	-75.7	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	0.7
-4.1	2.2	-0.8	112.6	NA	NA	NA	1.0
-4.4	8.0	-3.5	-80.7	NA	NA	NA	1.9
-5.5	4.9	1.2	-83.4	NA	NA	NA	1.0
-6.1	5.5	0.1	20.8	-5.7	5.5	-1.8	0.5
-4.5	0.9	-0.6	113.7	NA	NA	NA	0.8
-5.3	4.2	3.1	-95.9	NA	NA	NA	1.6
-4.5	1.6	2.2	-77.5	NA	NA	NA	1.6
-6.3	2.9	0.1	23.9	-4.5	8.1	3.9	1.1
-4.1	0.7	-1.2	142.8	NA	NA	NA	1.3
-4.5	1.0	-0.8	-106.4	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.4	3.2	-2.7	-82.0	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.2	4.1	0.0	32.9	NA	NA	NA	0.3
-5.6	2.1	-0.8	-50.8	NA	NA	NA	1.8
-4.4	3.4	-0.5	-79.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.5
-4.2	3.1	0.6	171.7	NA	NA	NA	1.0
-4.2	3.1	-1.0	-130.3	NA	NA	NA	1.6
-4.8	3.8	0.2	-16.4	NA	NA	NA	1.1
-5.1	2.3	-0.6	36.0	NA	NA	NA	1.0
-5.0	2.5	-0.4	40.2	NA	NA	NA	1.0
-4.9	2.0	-2.3	-77.6	NA	NA	NA	1.1
-4.3	8.0	0.5	43.3	NA	NA	NA	1.2
-5.2	0.9	-1.7	106.1	-4.4	10.0	-45.8	2.1
-5.2	1.6	0.5	55.0	-4.3	6.1	-46.0	1.2
-4.4	0.8	-1.5	-119.7	NA	NA	NA	1.7
-5.3	8.0	0.8	-17.9	NA	NA	NA	1.0
-5.4	1.7	-0.7	38.0	-4.5	3.5	-3.7	1.0
-5.4	4.2	0.0	38.0	-4.4	9.9	2.9	1.0
-4.6	0.8	1.8	-124.4	NA	NA	NA	1.9
-4.6	7.4	-1.5	-17.4	NA	NA	NA	1.0
-4.9	8.0	3.0	25.2	NA	NA	NA	1.5
-4.8	3.4	2.7	31.9	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.2
-5.3	8.0	3.0	-20.3	NA	NA	NA	1.0
-5.0	1.4	-7.4	89.2	NA	NA	NA	1.8
-4.6	1.1	-5.9	98.0	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.6
-4.4	1.0	-0.4	-38.7	NA	NA	NA	1.0
-5.0	2.4	-0.7	44.6	NA	NA	NA	1.0
-4.4	1.2	0.3	94.8	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	2.0
-4.4	1.6	1.7	-28.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	1.3	-0.3	12.1	NA	NA	NA	0.4
NA	NA	-0.5	NA	NA	NA	NA	0.6
-5.5	7.2	1.4	-25.1	NA	NA	NA	1.0
-5.5	8.0	-0.9	105.7	NA	NA	NA	1.2
-5.5	8.0	-1.0	100.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	0.8
-4.8	8.0	-0.3	-10.9	NA	NA	NA	1.0
-5.0	8.0	0.7	37.1	NA	NA	NA	1.0
-4.8	4.0	0.5	38.6	NA	NA	NA	1.0
-4.8	1.4	1.6	-81.9	NA	NA	NA	1.5
-4.1	8.0	2.1	50.6	NA	NA	NA	1.5
-5.0	1.2	3.3	125.2	-4.3	8.1	-34.7	2.1

ga	gw	zr	tp	la	lw	bt	er
-5.0	2.0	1.3	74.8	-4.3	4.5	-43.0	1.3
-4.3	0.8	-4.7	-125.5	NA	NA	NA	1.9
-5.2	5.1	0.8	-16.9	NA	NA	NA	1.2
-5.3	1.3	-1.6	47.4	-4.4	6.2	2.0	1.0
-5.1	1.2	-1.5	56.4	-4.4	9.6	5.7	1.0
-4.4	0.7	1.7	-127.0	NA	NA	NA	1.9
NA	NA	-2.9	NA	NA	NA	NA	0.9
-4.2	8.0	-0.4	44.8	NA	NA	NA	1.0
-4.2	5.7	0.3	39.8	NA	NA	NA	0.9
NA	NA	-1.8	NA	NA	NA	NA	2.4
NA	NA	-1.4	NA	NA	NA	NA	1.3
-4.7	2.8	-0.4	44.1	NA	NA	NA	1.2
-4.6	2.8	-0.2	39.4	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.4
NA	NA	-0.8	NA	NA	NA	NA	1.5
-4.9	1.1	-2.2	76.0	NA	NA	NA	2.2
-5.1	1.1	-1.4	65.8	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	1.5
-5.2	8.0	-4.2	-26.4	NA	NA	NA	1.7
-5.2	8.0	-1.1	37.7	-4.3	10.0	3.3	1.3
-5.2	8.0	1.1	45.1	NA	NA	NA	1.7
NA	NA	-2.2	NA	NA	NA	NA	1.3
NA	NA	-1.6	NA	NA	NA	NA	1.0
-4.6	5.0	1.3	63.1	NA	NA	NA	1.8
-4.5	2.4	1.5	49.1	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.6
-4.3	2.1	-0.4	-34.3	NA	NA	NA	1.0
-4.6	7.9	-1.2	21.7	NA	NA	NA	1.3
-4.6	8.0	-0.9	24.0	NA	NA	NA	1.1
NA	NA	-1.8	NA	NA	NA	NA	2.1
NA	NA	-1.1	NA	NA	NA	NA	1.4
-4.8	1.5	2.8	33.8	NA	NA	NA	1.1
-4.6	3.3	1.6	36.7	-4.0	2.6	5.0	0.6
-4.3	8.0	-1.0	-65.0	NA	NA	NA	1.6
-4.5	5.6	-0.2	-54.4	NA	NA	NA	1.2
-4.5	5.5	0.7	26.0	NA	NA	NA	1.0
-4.3	2.1	0.5	134.7	NA	NA	NA	0.9
-4.6	8.0	-0.6	-75.3	NA	NA	NA	1.6
-4.6	2.4	0.2	-49.1	NA	NA	NA	1.0
-5.0	4.4	-1.5	61.3	-4.7	7.8	12.3	1.0
-5.2	3.7	-0.8	31.6	NA	NA	NA	1.0
-4.5	3.7	-1.0	-60.0	NA	NA	NA	1.4
-4.4	8.0	-0.5	-60.0	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.5
-4.4	8.0	0.9	37.8	NA	NA	NA	0.5
-4.4	6.3	-0.9	-102.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.1	-0.4	-96.9	NA	NA	NA	1.1
-4.5	3.6	-0.5	-19.2	NA	NA	NA	1.0
-4.5	8.0	-0.8	41.5	NA	NA	NA	1.0
-4.4	3.9	0.3	-125.9	NA	NA	NA	1.7
-4.7	1.8	0.7	-35.7	NA	NA	NA	1.0
-5.0	1.3	0.3	51.8	NA	NA	NA	1.0
-4.7	1.5	0.1	69.6	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.5
NA	NA	0.3	NA	NA	NA	NA	0.6
-4.8	2.7	0.4	47.6	NA	NA	NA	1.0
-4.6	1.9	-0.8	40.6	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	0.7
-4.4	4.6	0.7	40.7	NA	NA	NA	1.7
-4.4	4.7	-0.6	30.9	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	0.7
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.5	3.7	-1.7	73.5	-4.0	10.0	12.5	1.5
-4.5	5.8	-1.2	55.8	-4.1	9.4	11.5	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.6
-4.6	2.1	0.2	-59.6	NA	NA	NA	1.0
-5.0	2.6	2.2	50.0	-4.4	10.0	3.5	1.6
-5.0	4.4	1.6	46.6	NA	NA	NA	1.5
NA	NA	1.3	NA	NA	NA	NA	1.5
-4.4	3.7	-1.5	-91.8	NA	NA	NA	1.0
-5.0	1.6	0.8	15.4	-4.5	10.0	-29.1	1.1
-4.5	1.2	0.6	44.1	NA	NA	NA	1.1
-4.4	3.3	0.2	-101.8	NA	NA	NA	1.4
-4.4	7.1	0.1	-93.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	8.0	0.2	47.6	NA	NA	NA	0.4
-4.4	8.0	-0.8	-80.8	NA	NA	NA	1.1
-4.3	2.7	0.6	-79.5	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.9
-4.6	2.1	0.5	33.2	NA	NA	NA	1.5
-4.2	3.5	3.1	-78.6	NA	NA	NA	1.5
-4.1	5.7	1.1	-69.9	NA	NA	NA	1.0
-5.6	1.2	0.6	9.1	-4.3	3.3	-12.5	1.0
-4.0	4.2	0.7	58.1	NA	NA	NA	1.0
-4.3	3.6	1.6	-94.5	NA	NA	NA	1.8
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.4	8.0	-0.1	67.9	NA	NA	NA	1.3
-4.2	8.0	-0.5	69.3	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.9
NA	NA	-2.3	NA	NA	NA	NA	1.2
-4.1	1.0	-4.8	65.3	NA	NA	NA	1.8



ga	gw	zr	tp	la	lw	bt	er
-4.4	3.9	0.5	56.5	-4.0	9.9	12.7	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
NA	NA	0.2	NA	NA	NA	NA	0.5
-4.1	5.9	-1.8	56.6	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.3
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	-3.8	NA	NA	NA	NA	1.1
-5.0	4.8	-2.8	21.6	NA	NA	NA	1.0
-4.8	2.3	-0.9	30.7	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.2
NA	NA	-5.0	NA	NA	NA	NA	1.4
-4.5	4.8	-4.9	21.5	NA	NA	NA	2.0
-4.4	2.4	0.2	25.2	NA	NA	NA	1.6
NA	NA	-2.5	NA	NA	NA	NA	1.6
NA	NA	0.0	NA	NA	NA	NA	0.5
-5.3	3.7	0.5	21.5	NA	NA	NA	1.5
-4.4	1.1	0.0	36.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.7	3.5	-0.8	-33.1	NA	NA	NA	1.0
-4.6	2.8	-0.5	48.8	NA	NA	NA	1.1
-4.4	1.8	-0.3	75.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.9
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.8	3.1	-8.4	25.6	NA	NA	NA	1.9
-4.2	3.2	-2.2	45.1	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.3
NA	NA	-3.8	NA	NA	NA	NA	0.9
-4.3	2.2	0.0	45.2	NA	NA	NA	1.0
-4.3	2.1	0.9	36.0	NA	NA	NA	0.9
NA	NA	5.1	NA	NA	NA	NA	2.1
-5.1	2.8	0.5	-22.0	NA	NA	NA	0.8
-4.6	4.6	0.7	62.3	-4.4	9.9	3.8	1.0
-4.5	2.6	0.6	90.6	-4.3	10.0	14.8	1.0
NA	NA	1.5	NA	NA	NA	NA	1.0
-6.8	0.6	-21.7	-0.6	NA	NA	NA	1.1
-8.3	0.7	49.4	133.6	-7.0	0.8	13.6	2.7
-8.6	7.9	-5.8	71.1	-6.6	1.2	11.7	2.0
NA	NA	-0.8	NA	NA	NA	NA	1.9
NA	NA	-4.1	NA	NA	NA	NA	1.4
-5.2	4.3	1.2	41.0	-4.5	3.1	2.9	1.0
-5.2	7.9	2.1	35.5	-4.6	2.2	15.5	0.9
-4.5	2.2	1.5	-65.6	NA	NA	NA	1.8
NA	NA	-0.2	NA	NA	NA	NA	1.1
-4.7	1.5	2.1	64.4	NA	NA	NA	1.2
-4.7	1.5	2.0	59.9	NA	NA	NA	1.1
NA	NA	0.6	NA	NA	NA	NA	0.9

ga	gw	zr	tp	la	lw	bt	er
-4.4	3.2	-1.5	-83.3	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.8
-4.5	8.0	0.0	29.5	NA	NA	NA	1.3
-4.4	8.0	-0.5	-89.6	NA	NA	NA	1.3
-4.3	2.8	1.2	-32.3	NA	NA	NA	1.5
-4.4	1.8	0.0	53.9	-4.2	10.0	-44.0	1.9
-4.6	2.0	-1.2	43.9	-4.2	10.0	-1.9	1.0
-4.2	8.0	0.0	-80.8	NA	NA	NA	1.9
-4.2	3.1	-1.7	-81.1	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	4.1	0.0	66.7	NA	NA	NA	0.9
-4.3	4.9	3.6	-77.2	NA	NA	NA	2.4
-4.3	8.0	1.0	-60.0	NA	NA	NA	1.1
-4.1	8.0	0.5	-21.9	NA	NA	NA	1.0
-4.3	4.2	-0.4	44.5	NA	NA	NA	1.0
-4.1	4.8	0.9	-105.9	NA	NA	NA	1.8
-4.1	5.8	1.6	-63.4	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.2	8.0	0.1	39.2	NA	NA	NA	0.5
-4.1	4.0	0.5	-83.9	NA	NA	NA	1.5
-4.8	1.1	-1.2	-32.3	NA	NA	NA	1.0
-4.8	5.2	0.0	88.1	-4.4	7.0	34.0	1.5
-5.0	5.1	-0.1	61.4	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	1.4
NA	NA	2.2	NA	NA	NA	NA	0.6
-4.5	1.0	-1.3	36.0	NA	NA	NA	1.1
-4.6	4.0	-0.9	23.3	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.8
-5.1	1.6	-1.6	-73.5	NA	NA	NA	1.0
-5.0	8.0	0.8	-38.9	NA	NA	NA	1.1
-5.3	3.7	0.5	55.6	-5.0	10.0	9.6	1.0
-5.1	8.0	-0.8	-82.4	NA	NA	NA	1.2
-6.8	1.8	-1.8	-45.7	NA	NA	NA	1.1
-6.0	1.1	5.7	-178.5	NA	NA	NA	2.6
-7.0	8.0	2.6	14.0	-5.2	4.0	-51.2	1.5
-5.2	5.3	-0.1	-96.9	NA	NA	NA	1.0
-4.1	0.4	-0.3	-70.8	NA	NA	NA	1.2
-4.6	1.4	-0.2	-31.2	NA	NA	NA	1.0
-4.2	5.1	3.3	69.0	NA	NA	NA	1.2
-5.0	1.5	-1.5	-85.9	NA	NA	NA	1.4
-5.6	2.1	-1.9	-73.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
-5.1	1.2	0.1	78.7	NA	NA	NA	0.4
-5.2	2.1	-0.7	-96.5	NA	NA	NA	1.0
-5.0	0.9	-2.0	-85.7	NA	NA	NA	1.1
-5.8	3.9	-0.5	23.7	-5.1	2.0	-13.3	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	0.8	-0.4	126.4	NA	NA	NA	1.0
-5.2	5.4	0.0	-77.7	NA	NA	NA	1.8
-5.2	0.7	-0.8	-84.1	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	0.1
-4.4	0.8	0.5	29.0	NA	NA	NA	0.3
-5.2	8.0	-4.5	-86.2	NA	NA	NA	2.2
-4.7	1.7	0.5	-72.8	NA	NA	NA	1.1
-5.0	1.6	0.6	27.7	-4.4	10.0	-17.3	1.0
-4.4	1.1	-0.2	94.8	NA	NA	NA	1.0
-4.4	1.6	1.8	-113.4	NA	NA	NA	1.8
NA	NA	-1.5	NA	NA	NA	NA	0.7
-4.7	1.5	0.4	39.1	NA	NA	NA	1.2
-4.7	1.6	0.8	37.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.6
NA	NA	-1.5	NA	NA	NA	NA	1.5
-4.8	3.5	-0.5	83.8	NA	NA	NA	1.5
-4.7	2.0	0.1	71.9	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	1.1
-5.0	1.1	0.8	129.7	-4.1	2.8	-8.5	2.2
-5.2	1.6	1.1	68.1	-4.4	9.9	-7.6	1.1
-4.3	1.5	-0.6	-83.0	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	1.3
-5.5	3.3	0.4	69.9	-4.6	3.2	3.7	1.0
-5.4	3.2	0.4	71.0	-4.8	3.3	0.4	1.0
NA	NA	2.2	NA	NA	NA	NA	2.1
-4.2	7.3	-0.8	-85.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	7.8	0.2	87.6	NA	NA	NA	0.4
-4.2	8.0	0.3	-113.6	NA	NA	NA	1.5
-4.3	2.6	-0.8	-36.0	NA	NA	NA	1.0
-4.3	8.0	-0.4	31.6	NA	NA	NA	0.5
-4.2	4.7	0.2	60.7	NA	NA	NA	0.9
-4.5	4.8	2.1	-87.6	NA	NA	NA	1.3
-4.4	8.0	0.2	-49.2	NA	NA	NA	1.2
-4.6	8.0	-0.4	9.8	NA	NA	NA	1.0
-4.4	8.0	-0.7	53.1	NA	NA	NA	1.0
-4.4	2.9	-1.7	-82.4	NA	NA	NA	1.6
NA	NA	-1.2	NA	NA	NA	NA	1.4
-4.9	8.0	0.8	21.8	NA	NA	NA	2.0
-5.0	5.1	1.5	16.9	NA	NA	NA	1.1
NA	NA	-2.7	NA	NA	NA	NA	1.7
NA	NA	0.9	NA	NA	NA	NA	0.8
-4.9	7.6	1.2	46.5	-4.4	7.2	17.4	1.1
-5.0	8.0	0.2	32.2	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.5	NA	NA	NA	NA	0.9
-4.5	6.1	1.8	66.7	-4.1	6.7	10.7	1.6
-4.6	1.8	-1.2	49.8	-4.0	8.8	2.7	0.7
NA	NA	0.1	NA	NA	NA	NA	1.7
-4.8	8.0	-1.6	-11.1	NA	NA	NA	0.7
-4.9	2.3	-2.0	64.1	-4.0	10.0	20.2	1.6
-4.7	1.8	0.2	70.7	-4.3	10.0	37.5	1.1
NA	NA	-1.8	NA	NA	NA	NA	1.4
-4.1	5.1	0.5	-64.5	NA	NA	NA	1.0
-5.1	1.2	1.9	138.7	-4.5	10.0	-118.1	1.8
-5.2	1.6	0.1	71.7	-4.5	9.9	-35.1	1.0
-4.5	8.0	-1.6	-96.1	NA	NA	NA	1.7
-4.3	3.2	-0.6	-82.0	NA	NA	NA	1.0
-5.1	7.8	0.2	12.8	-4.6	3.0	-4.3	0.5
-4.3	3.8	0.2	44.7	NA	NA	NA	0.4
-4.3	3.2	1.1	-108.5	NA	NA	NA	1.0
-4.3	3.7	1.1	-39.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.3	3.3	0.1	29.9	NA	NA	NA	0.5
-4.5	5.3	-2.7	-40.9	NA	NA	NA	1.9
-4.1	3.4	-0.4	-87.3	NA	NA	NA	1.0
-4.8	4.3	-0.6	17.3	-4.3	7.2	-12.7	1.0
-4.1	2.4	0.5	95.9	NA	NA	NA	1.0
-4.1	4.1	0.0	-135.4	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	1.5
-5.0	1.0	2.9	88.8	-4.5	10.0	-67.3	2.0
-5.1	1.6	0.9	69.4	-4.6	10.0	-13.2	1.0
-4.6	7.3	-0.2	-80.8	NA	NA	NA	2.0
-4.6	2.7	-1.3	-70.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.8	2.3	0.2	17.5	NA	NA	NA	0.4
NA	NA	-0.5	NA	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.7	2.9	1.1	36.5	NA	NA	NA	1.9
-4.7	5.3	1.9	29.2	NA	NA	NA	1.2
NA	NA	-6.5	NA	NA	NA	NA	1.9
NA	NA	2.0	NA	NA	NA	NA	1.3
-4.3	1.2	4.5	92.5	NA	NA	NA	2.0
-4.4	1.2	-0.8	68.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.2
-4.7	8.0	-0.5	-72.6	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	2.0
-4.9	8.0	0.5	20.7	NA	NA	NA	1.4
-4.5	4.6	-2.0	-102.7	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-5.0	0.5	1.6	44.0	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.7	1.2	1.1	40.7	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	2.0
-5.3	2.2	0.8	-11.6	NA	NA	NA	1.0
-4.6	1.6	3.8	158.9	NA	NA	NA	1.8
-4.8	1.7	0.7	101.9	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.7
-4.3	1.9	1.3	-68.2	NA	NA	NA	1.0
-4.7	1.2	-0.7	30.1	-4.3	10.0	-17.3	1.2
-4.8	1.4	-1.5	27.5	-4.1	9.2	-15.5	1.0
-4.2	4.5	0.8	-72.0	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.9
-4.8	1.5	-0.3	114.3	-4.2	10.0	-124.8	2.4
-4.6	2.1	0.6	77.2	-4.1	9.8	-10.9	1.4
-4.3	8.0	-1.6	-95.5	NA	NA	NA	1.3
-4.2	8.0	1.9	-55.4	NA	NA	NA	1.6
NA	NA	0.6	NA	NA	NA	NA	0.6
-4.2	8.0	-1.0	52.6	NA	NA	NA	1.0
-4.2	8.0	-1.4	-88.9	NA	NA	NA	1.9
-4.2	5.8	0.5	-86.5	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.2	7.0	0.0	65.5	NA	NA	NA	0.4
-4.4	8.0	-0.6	-84.2	NA	NA	NA	1.0
-4.2	8.0	1.4	-87.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	5.2	0.0	22.7	NA	NA	NA	0.3
-4.2	8.0	1.2	-115.0	NA	NA	NA	1.5
-4.3	2.9	3.1	-101.0	NA	NA	NA	1.7
NA	NA	0.2	NA	NA	NA	NA	0.9
-4.2	3.6	-0.6	141.2	NA	NA	NA	1.0
-4.3	3.4	1.3	-123.0	NA	NA	NA	1.8
-4.3	2.1	-0.8	-94.1	NA	NA	NA	1.0
-4.5	0.8	0.0	32.7	-4.3	10.0	-13.5	1.5
-4.6	1.2	0.2	65.9	NA	NA	NA	1.0
-4.4	6.2	0.2	-88.8	NA	NA	NA	1.2
-4.8	4.4	-0.4	-13.7	NA	NA	NA	0.9
-5.0	3.9	-0.7	72.2	-4.3	10.0	-115.4	2.1
-4.9	4.2	0.1	67.1	-4.4	8.1	-46.2	1.0
-4.3	4.7	0.8	-93.9	NA	NA	NA	1.2
-4.2	8.0	0.3	-63.1	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.6
-4.2	7.9	-0.7	48.3	NA	NA	NA	1.0
-4.5	4.9	-0.7	-70.8	NA	NA	NA	1.8
-4.2	5.3	0.1	-104.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	7.4	-0.1	125.4	NA	NA	NA	0.4
-4.4	8.0	-0.9	-92.9	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.1	2.9	-0.2	-40.4	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.2
-4.4	2.4	-0.1	23.2	NA	NA	NA	0.9
NA	NA	0.9	NA	NA	NA	NA	2.1
-4.2	6.3	0.1	-83.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.9	0.1	20.8	NA	NA	NA	0.3
-4.2	8.0	0.4	-108.1	NA	NA	NA	1.1
-4.2	2.0	0.0	-102.3	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.3	2.7	0.2	128.7	NA	NA	NA	1.0
-4.3	8.0	1.1	-87.1	NA	NA	NA	1.8
-4.3	1.8	0.5	-45.9	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
-4.4	1.6	-0.2	59.9	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.5
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.7	8.0	-0.5	137.2	-4.1	2.2	-81.8	1.7
-4.7	8.0	0.5	108.0	-4.3	4.3	-9.9	1.2
NA	NA	-0.9	NA	NA	NA	NA	1.4
-4.2	2.2	0.3	-77.5	NA	NA	NA	1.0
-4.5	0.9	0.2	-22.1	NA	NA	NA	1.0
-4.2	3.9	-0.6	45.1	NA	NA	NA	1.0
-4.2	2.3	-4.0	-80.0	NA	NA	NA	2.0
-4.5	1.4	-1.0	-29.5	NA	NA	NA	1.0
-5.2	1.2	0.7	16.1	NA	NA	NA	1.5
-4.7	1.0	1.3	32.6	NA	NA	NA	1.5
NA	NA	-0.2	NA	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	1.2
-4.8	1.9	2.7	108.1	-4.2	10.0	-21.0	1.8
-4.6	3.0	1.1	104.3	-4.3	10.0	-17.9	1.0
NA	NA	0.7	NA	NA	NA	NA	1.5
-4.2	2.4	0.6	-51.5	NA	NA	NA	1.0
-4.5	8.0	1.5	-11.6	NA	NA	NA	1.0
-4.1	8.0	1.0	67.7	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	2.2
NA	NA	-1.0	NA	NA	NA	NA	0.4
-4.8	4.0	-1.3	78.8	-4.2	9.9	-47.7	1.5
-4.8	3.5	0.4	52.8	-4.2	9.9	-30.7	1.0
-4.3	2.9	3.2	-90.4	NA	NA	NA	1.2
-4.8	5.0	0.5	-30.1	NA	NA	NA	1.0
-4.9	8.0	-0.8	21.3	-4.4	10.0	-2.6	1.0
-4.9	7.8	-1.3	21.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	2.1
-4.3	2.1	0.2	-62.9	NA	NA	NA	1.0
-4.7	8.0	2.7	41.5	-4.3	2.1	0.1	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.5	1.6	68.9	NA	NA	NA	1.3
NA	NA	-3.5	NA	NA	NA	NA	1.8
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.7	3.1	-2.7	81.4	-4.3	10.0	1.4	1.7
-4.6	3.1	-0.4	69.4	-4.2	10.0	10.5	1.0
-4.1	4.0	-1.1	-74.2	NA	NA	NA	1.3
-4.8	5.0	3.9	-87.6	NA	NA	NA	1.2
NA	NA	-0.8	NA	NA	NA	NA	0.1
-4.6	4.1	-2.2	180.3	NA	NA	NA	1.0
-4.9	5.2	-1.2	-105.2	NA	NA	NA	1.4
-4.7	5.5	0.4	-81.2	NA	NA	NA	1.2
-5.2	3.8	-0.8	56.0	-4.6	10.0	-19.0	1.5
-4.7	1.6	-0.6	98.9	NA	NA	NA	1.5
-4.5	2.5	0.2	-99.2	NA	NA	NA	1.1
-4.2	0.9	0.0	-30.1	NA	NA	NA	1.2
-4.9	0.9	-4.5	155.1	-4.0	10.0	-5.7	2.0
-5.1	1.2	-2.4	99.6	-4.0	10.0	17.4	1.0
-4.2	4.3	0.4	-95.4	NA	NA	NA	1.8
-4.2	8.0	1.2	-72.6	NA	NA	NA	1.2
NA	NA	-1.1	NA	NA	NA	NA	0.5
-4.2	8.0	-0.9	96.5	NA	NA	NA	0.5
-4.4	8.0	-1.2	-92.3	NA	NA	NA	2.1
-4.6	8.0	-1.0	-80.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	3.2	0.1	161.8	NA	NA	NA	0.4
-4.6	6.4	2.4	-105.7	NA	NA	NA	1.0
-4.2	8.0	-1.3	-67.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.1
-4.2	3.7	0.2	64.9	NA	NA	NA	0.9
-4.4	8.0	0.1	-69.8	NA	NA	NA	1.9
-4.2	6.9	1.0	-101.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	34.3	NA	NA	NA	0.3
-4.2	8.0	-0.7	-104.2	NA	NA	NA	1.6
-4.1	3.9	0.9	-94.8	NA	NA	NA	1.0
-4.3	4.0	0.2	-28.1	NA	NA	NA	1.0
-4.1	5.9	-0.7	84.1	NA	NA	NA	1.0
-4.2	2.7	-0.2	-133.2	NA	NA	NA	1.8
-4.4	2.1	1.0	-103.1	NA	NA	NA	1.0
-5.2	2.5	1.0	52.3	-4.6	9.9	-23.0	1.4
-5.0	1.6	0.1	71.4	NA	NA	NA	1.2
-4.6	7.5	-0.5	-91.0	NA	NA	NA	1.0
-5.3	8.0	0.0	-12.0	NA	NA	NA	1.0
-4.9	1.4	1.3	163.0	-4.3	8.6	100.1	1.5
-4.9	1.1	-0.2	105.0	-4.0	3.4	34.9	1.0
-4.1	5.7	-1.0	-82.6	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.5	7.5	0.5	-83.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	3.4	-0.1	162.7	NA	NA	NA	0.4
-4.5	8.0	2.4	-101.0	NA	NA	NA	1.1
-4.2	8.0	1.5	-57.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	4.1	-0.6	42.1	NA	NA	NA	0.9
-4.3	2.7	-0.7	-97.3	NA	NA	NA	1.3
-4.2	8.0	0.8	-94.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.2	31.1	NA	NA	NA	0.3
-4.4	8.0	0.2	-93.8	NA	NA	NA	2.0
-4.3	8.0	0.9	-75.8	NA	NA	NA	1.0
-4.1	5.4	-0.2	-31.1	NA	NA	NA	1.0
-4.1	8.0	-0.6	72.3	NA	NA	NA	1.0
-4.1	4.5	-5.5	-131.8	NA	NA	NA	1.9
-4.2	3.4	-0.4	-104.2	NA	NA	NA	1.0
-5.9	3.3	-1.1	8.7	-4.3	5.7	-38.5	1.0
-4.0	1.7	0.3	86.4	NA	NA	NA	1.2
-4.2	2.3	1.2	-127.8	NA	NA	NA	1.0
-4.4	3.5	0.1	-61.0	NA	NA	NA	1.3
-4.4	8.0	-5.4	-117.1	NA	NA	NA	2.0
-4.9	8.0	-2.9	22.7	-4.6	10.0	-4.8	0.9
-4.6	8.0	-0.3	-99.0	NA	NA	NA	1.4
-5.0	8.0	-0.3	41.4	-4.4	3.2	-79.7	1.2
-4.4	8.0	-1.0	-24.5	NA	NA	NA	1.0
-4.1	8.0	-0.2	119.0	NA	NA	NA	1.2
-4.7	2.1	-4.0	-88.9	NA	NA	NA	1.7
-4.2	2.6	2.1	-115.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.1	4.0	-0.3	133.1	NA	NA	NA	0.4
-4.2	1.8	-2.7	-135.6	NA	NA	NA	1.7
-4.2	2.9	-1.1	-102.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	3.6	0.8	171.4	NA	NA	NA	0.9
-4.6	2.5	-1.3	-93.7	NA	NA	NA	1.1
-4.3	8.0	-0.4	-80.5	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	7.2	0.1	25.9	NA	NA	NA	0.3
-4.3	1.5	0.2	-130.6	NA	NA	NA	1.7
-4.6	4.5	4.2	-82.8	NA	NA	NA	1.0
-4.5	8.0	1.1	-21.7	NA	NA	NA	1.0
-4.3	2.7	-0.7	151.3	NA	NA	NA	1.0
-4.4	1.3	4.8	-136.8	NA	NA	NA	1.7
-6.7	1.3	-1.5	-29.1	-4.4	0.6	-13.5	0.6
-6.4	1.2	0.0	126.1	-4.6	0.6	31.8	1.9



ga	gw	zr	tp	la	lw	bt	er
-6.6	1.5	0.6	103.9	-4.2	1.6	62.8	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.5
-4.5	1.9	-2.3	-61.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.4
-4.6	1.9	1.3	45.6	NA	NA	NA	1.0
-4.6	1.3	2.8	-85.2	NA	NA	NA	1.6
-4.9	0.7	4.0	-32.4	NA	NA	NA	1.0
-5.2	1.8	2.1	71.2	NA	NA	NA	1.9
-5.1	0.8	-2.5	75.2	NA	NA	NA	1.3
NA	NA	0.5	NA	NA	NA	NA	1.6
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.4	1.0	1.0	127.1	NA	NA	NA	2.0
-4.4	1.2	1.0	78.4	NA	NA	NA	1.4
NA	NA	2.1	NA	NA	NA	NA	1.4
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.6	1.4	-0.3	93.6	NA	NA	NA	1.7
-4.4	1.2	0.1	85.2	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	1.5
NA	NA	0.1	NA	NA	NA	NA	1.2
-4.4	1.0	2.6	137.3	NA	NA	NA	2.1
-4.3	1.2	1.4	89.3	NA	NA	NA	1.2
NA	NA	-0.2	NA	NA	NA	NA	1.5
-4.4	2.3	-2.3	-86.7	NA	NA	NA	1.0
-4.7	3.4	0.2	28.9	-4.3	10.0	-13.9	1.0
-4.6	3.9	1.2	56.2	NA	NA	NA	1.0
-4.3	2.7	-0.8	-105.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.9
-4.4	5.5	-0.6	84.2	NA	NA	NA	1.2
-4.2	2.0	-0.4	80.9	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.2
NA	NA	1.4	NA	NA	NA	NA	0.9
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.1	8.0	-2.5	59.8	NA	NA	NA	1.0
-4.3	5.4	-1.3	-63.8	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.8	1.2	1.0	41.7	NA	NA	NA	1.0
-4.8	1.1	1.0	34.3	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.2
NA	NA	-4.3	NA	NA	NA	NA	1.7
-5.7	0.4	-8.2	112.3	NA	NA	NA	2.2
-5.6	0.4	-5.9	94.3	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	1.3
-5.1	4.9	2.2	-19.4	NA	NA	NA	1.0
-4.3	0.7	0.5	97.8	NA	NA	NA	1.7
-4.6	1.0	-0.5	91.4	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.9	0.7	4.2	-103.1	NA	NA	NA	1.3
-5.5	1.6	-1.5	84.4	-4.8	7.2	-32.4	1.0
-5.5	1.9	-1.3	109.6	-4.9	9.5	17.3	1.0
-4.7	8.0	2.2	-100.8	NA	NA	NA	1.2
-4.9	8.0	0.5	-58.7	NA	NA	NA	1.6
-6.0	8.0	1.1	113.9	-5.0	2.1	-103.9	2.5
-6.0	4.0	-4.3	107.8	-5.4	3.0	-24.9	2.3
-4.9	8.0	2.3	-97.5	NA	NA	NA	1.9
-5.0	2.9	1.0	-87.9	NA	NA	NA	1.0
-5.0	4.2	0.5	-4.3	NA	NA	NA	0.5
-4.5	1.6	-0.1	91.8	NA	NA	NA	0.4
-5.2	1.4	0.4	-102.2	NA	NA	NA	1.8
-5.3	1.1	2.1	-63.1	NA	NA	NA	1.0
-6.0	3.0	0.4	48.4	-5.5	4.1	0.2	1.0
-5.7	1.3	-0.4	51.4	-5.5	4.9	30.2	0.9
-5.5	1.7	-0.1	-79.2	NA	NA	NA	1.8
-5.5	8.0	-1.3	-51.3	-4.8	5.2	-17.2	1.1
-5.6	4.4	0.5	75.7	-5.2	3.4	-0.3	1.0
-5.4	3.2	0.8	128.8	-4.9	10.0	15.7	1.0
-5.6	8.0	1.5	-54.0	NA	NA	NA	1.7
NA	NA	-4.4	NA	NA	NA	NA	1.6
-4.7	3.5	-3.9	48.4	NA	NA	NA	1.4
-4.3	1.8	1.8	76.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.4	8.0	1.3	-38.8	NA	NA	NA	1.0
-4.6	8.0	0.0	23.9	NA	NA	NA	1.1
-4.3	3.6	-0.6	58.0	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.8
-4.3	3.4	0.5	-40.7	NA	NA	NA	1.0
-4.5	1.5	0.1	31.7	NA	NA	NA	1.4
-4.3	2.4	0.1	71.3	NA	NA	NA	1.3
NA	NA	-2.9	NA	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.5	1.8	-0.8	130.5	NA	NA	NA	1.6
-4.5	2.3	-1.2	83.2	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	2.0
-4.4	1.9	0.5	160.8	NA	NA	NA	1.2
-4.5	1.9	-0.6	54.3	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.2
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.9	3.3	-1.0	-16.2	NA	NA	NA	0.5
-5.1	2.7	1.3	58.3	NA	NA	NA	1.7
-4.9	1.5	0.7	74.6	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.2
NA	NA	-4.7	NA	NA	NA	NA	1.6
-4.7	8.0	22.8	64.9	-4.5	0.4	18.8	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	13.4	NA	NA	NA	NA	2.1
NA	NA	-2.0	NA	NA	NA	NA	2.3
-4.6	1.4	-0.9	-28.6	NA	NA	NA	0.8
-4.9	6.4	-0.3	54.1	NA	NA	NA	1.3
-4.6	1.6	0.9	93.6	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.8
-4.5	2.2	0.5	-80.6	NA	NA	NA	1.0
-4.9	4.3	-1.5	30.7	-4.5	9.9	-10.0	1.0
-4.6	2.4	-1.2	62.6	NA	NA	NA	1.0
-4.4	2.8	-1.4	-75.3	NA	NA	NA	1.4
-5.1	1.7	-0.7	-22.5	NA	NA	NA	1.0
-4.7	1.7	0.4	64.3	-4.1	10.0	16.4	1.8
-5.2	1.4	1.5	69.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.6
-5.3	1.9	1.0	-64.7	-4.0	1.6	-34.8	1.0
-6.2	0.5	-4.5	51.0	-5.0	9.9	-99.6	2.3
-5.4	1.4	-0.9	113.9	-4.8	10.0	-22.1	1.8
-5.3	2.4	0.3	-106.5	NA	NA	NA	1.9
-5.1	1.7	-0.4	-36.6	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.5
-4.9	5.8	0.4	20.6	NA	NA	NA	1.0
-4.7	0.7	2.7	-130.2	NA	NA	NA	2.2
-5.3	2.6	1.3	-82.9	NA	NA	NA	1.0
-5.2	1.5	0.3	-6.8	NA	NA	NA	0.5
-5.1	3.1	-0.1	55.8	NA	NA	NA	0.4
-5.2	1.6	-0.8	-95.3	NA	NA	NA	1.2
-5.2	1.2	2.3	-68.3	NA	NA	NA	1.1
-5.3	1.5	0.9	-5.3	NA	NA	NA	1.0
-4.8	1.1	-0.1	41.9	NA	NA	NA	0.9
-5.2	1.9	-1.7	-91.1	NA	NA	NA	2.0
-4.8	1.2	-0.8	-89.5	NA	NA	NA	1.0
-6.5	4.6	0.4	17.8	-5.2	1.0	-31.1	1.0
-4.3	1.3	1.6	125.3	NA	NA	NA	1.0
-5.0	1.9	-0.5	-103.9	NA	NA	NA	1.8
-4.5	1.2	0.5	-24.3	NA	NA	NA	1.0
-4.8	0.9	0.3	106.3	-4.1	10.0	41.2	2.2
-5.1	3.0	0.7	72.6	-4.2	2.8	26.1	1.3
NA	NA	-2.7	NA	NA	NA	NA	1.9
-4.9	2.0	0.6	-91.0	NA	NA	NA	0.9
-5.3	3.5	5.2	70.5	-4.7	9.0	-34.1	1.6
-5.1	2.9	3.1	125.9	-4.5	9.1	47.6	1.5
-4.7	3.7	2.8	-102.9	NA	NA	NA	1.2
-4.6	8.0	1.2	-73.2	NA	NA	NA	1.4
-4.7	8.0	0.1	-35.4	NA	NA	NA	1.0
-4.5	8.0	-0.9	71.0	NA	NA	NA	1.0
-4.8	4.5	-0.5	-98.3	NA	NA	NA	1.9

ga	gw	zr	tp	la	lw	bt	er
-4.7	7.2	1.0	-91.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	7.8	0.0	111.9	NA	NA	NA	0.4
-4.6	1.9	0.6	-113.2	NA	NA	NA	1.3
-4.5	1.9	-0.3	-96.5	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	2.6	0.4	248.0	NA	NA	NA	0.9
-4.7	3.6	-4.7	-96.7	NA	NA	NA	1.9
-4.6	5.7	-2.1	-78.8	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.2
-4.5	2.7	0.3	27.6	NA	NA	NA	0.3
-4.6	5.0	-1.6	-99.3	NA	NA	NA	1.9
-4.7	1.4	-0.7	-98.5	NA	NA	NA	0.8
-4.7	7.5	0.3	-28.4	NA	NA	NA	1.0
-4.7	2.7	0.9	181.2	NA	NA	NA	1.0
-4.7	3.1	-2.6	-103.5	NA	NA	NA	1.8
-4.9	1.7	0.8	-88.3	NA	NA	NA	0.5
-5.3	4.2	-0.1	81.8	-4.7	7.7	-33.4	1.3
-5.2	3.4	-0.1	148.0	-4.7	3.9	60.5	1.2
-4.7	7.0	-1.9	-94.6	NA	NA	NA	1.6
-4.5	8.0	0.3	-71.4	NA	NA	NA	1.2
-4.5	2.1	-0.3	-38.5	NA	NA	NA	1.0
-4.5	8.0	-0.4	76.4	NA	NA	NA	1.0
-4.8	3.5	-1.2	-87.4	NA	NA	NA	2.0
-4.4	1.9	1.3	-119.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.5	5.8	-0.1	120.6	NA	NA	NA	0.4
-4.7	4.9	-1.8	-97.6	NA	NA	NA	1.2
-4.6	4.9	2.0	-81.7	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	0.0
-4.4	4.9	0.0	116.0	NA	NA	NA	0.9
-5.0	2.4	-0.3	-96.8	NA	NA	NA	1.9
-4.5	3.4	0.3	-86.0	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.5	2.7	0.0	25.5	NA	NA	NA	0.3
-4.5	7.7	1.6	-103.1	NA	NA	NA	1.0
-4.8	2.1	1.3	-83.3	NA	NA	NA	1.2
-4.6	8.0	0.6	-30.1	-4.0	2.1	-14.4	0.5
-4.6	1.9	-0.3	165.2	NA	NA	NA	1.0
-4.6	8.0	0.4	-102.8	NA	NA	NA	1.9
NA	NA	0.0	NA	NA	NA	NA	1.0
-4.4	8.0	-2.3	45.4	NA	NA	NA	1.7
-4.3	4.1	-0.7	33.5	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.1
-5.3	1.0	-1.4	-17.5	NA	NA	NA	1.1
-5.3	4.2	-1.5	35.7	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-5.2	1.0	-0.2	45.3	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.8	8.0	0.9	-13.1	NA	NA	NA	1.0
-4.7	4.3	-0.5	43.0	NA	NA	NA	1.0
-4.8	8.0	-1.0	37.5	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.2
-5.4	2.2	1.2	-11.1	NA	NA	NA	1.0
-4.9	1.8	-3.5	53.8	NA	NA	NA	1.4
-4.9	1.3	-2.4	48.7	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.7
NA	NA	-1.5	NA	NA	NA	NA	1.2
-5.5	1.6	-0.9	45.0	NA	NA	NA	1.7
-5.2	1.2	-0.6	51.8	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.2
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.5	1.3	-1.2	58.2	NA	NA	NA	1.1
-4.5	1.7	-1.5	52.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.1
-4.6	3.1	-1.4	-15.3	NA	NA	NA	0.8
-4.2	2.1	-3.6	69.5	NA	NA	NA	1.9
-4.3	2.4	-0.1	63.4	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.0	0.9	-1.7	-58.6	NA	NA	NA	1.3
-5.5	8.0	0.7	80.2	-4.5	1.8	-153.4	2.0
-5.6	8.0	0.7	58.0	-4.7	2.7	-31.1	1.6
-4.2	1.9	-2.9	-132.3	NA	NA	NA	1.7
-4.3	1.2	-0.6	-62.7	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.9
-4.4	1.0	0.4	43.6	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	2.2
NA	NA	1.2	NA	NA	NA	NA	0.6
-5.1	1.9	-3.1	24.5	NA	NA	NA	1.2
-5.0	5.2	-2.3	11.9	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.7
NA	NA	-0.6	NA	NA	NA	NA	1.2
-4.8	1.1	-2.4	122.5	NA	NA	NA	1.8
-4.8	1.0	-1.9	80.6	NA	NA	NA	1.0
NA	NA	-3.3	NA	NA	NA	NA	1.9
-5.2	2.1	-0.6	18.1	NA	NA	NA	1.1
-5.2	7.9	-0.5	13.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
NA	NA	2.1	NA	NA	NA	NA	1.5
NA	NA	0.5	NA	NA	NA	NA	1.1
-4.7	3.5	-0.1	63.8	NA	NA	NA	1.6
-4.7	2.5	-1.3	38.8	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.7	2.1	0.2	-38.2	NA	NA	NA	1.0
-5.0	0.9	-2.6	26.9	NA	NA	NA	1.0
-4.7	1.9	-0.9	53.0	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.5
-4.6	2.6	1.3	-30.3	NA	NA	NA	1.0
-4.6	2.2	-0.5	78.7	NA	NA	NA	1.6
-4.6	2.7	-1.4	86.9	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.2
-5.0	3.9	-4.4	28.2	NA	NA	NA	1.8
-5.1	1.9	-0.9	24.1	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.2
-5.1	1.7	-1.4	28.6	NA	NA	NA	2.1
-4.7	3.3	-0.2	33.2	NA	NA	NA	1.2
NA	NA	2.7	NA	NA	NA	NA	1.5
-4.9	8.0	-0.5	-82.8	NA	NA	NA	1.0
-4.8	5.6	0.2	-18.4	NA	NA	NA	1.0
-4.5	3.3	-0.1	192.1	NA	NA	NA	1.0
-4.9	8.0	1.0	-101.5	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	0.6
-4.3	8.0	1.4	61.0	NA	NA	NA	1.5
-4.1	5.0	0.1	38.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.4
-4.2	8.0	0.1	-27.3	NA	NA	NA	1.3
-4.2	6.6	0.0	96.4	NA	NA	NA	0.5
-4.2	6.8	0.0	100.6	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	1.4
-4.8	7.3	0.7	-76.2	NA	NA	NA	1.0
-4.7	8.0	2.5	-38.0	NA	NA	NA	1.0
-4.4	2.1	0.7	57.7	NA	NA	NA	1.0
-4.7	5.5	-0.3	-94.6	NA	NA	NA	1.0
-4.7	8.0	-0.8	-61.9	NA	NA	NA	1.0
-5.4	3.6	-0.1	47.8	-4.2	6.3	-167.0	2.1
-4.9	5.9	1.4	69.5	-4.7	10.0	19.8	1.3
-4.7	8.0	-1.1	-96.7	NA	NA	NA	1.9
-4.7	8.0	1.4	-82.9	NA	NA	NA	0.7
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.5	3.2	-0.2	251.3	NA	NA	NA	0.9
-4.8	8.0	0.3	-92.8	NA	NA	NA	1.5
-4.3	8.0	-1.6	-80.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	7.3	0.1	20.9	NA	NA	NA	0.3
-4.3	4.5	-0.2	-128.0	NA	NA	NA	1.3
-4.6	5.2	0.0	-87.8	NA	NA	NA	1.0
-4.6	2.0	0.8	-21.6	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	7.3	0.3	221.8	NA	NA	NA	1.0
-4.6	5.8	0.8	-100.7	NA	NA	NA	1.4
-4.7	8.0	1.0	-23.2	NA	NA	NA	1.0
-4.5	8.0	-0.2	74.0	NA	NA	NA	1.4
-4.5	5.8	-0.4	79.4	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	0.7
NA	NA	-1.6	NA	NA	NA	NA	1.2
-4.7	4.6	-1.0	66.5	NA	NA	NA	1.8
-4.6	2.7	0.4	55.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
-4.3	2.4	-0.3	-105.1	NA	NA	NA	1.0
-4.4	8.0	2.2	-33.9	NA	NA	NA	1.1
-4.3	7.8	2.2	63.1	NA	NA	NA	1.0
-4.2	3.9	-0.1	-121.8	NA	NA	NA	1.0
-4.4	8.0	2.1	-60.5	NA	NA	NA	1.3
-4.7	0.4	-6.0	61.6	-4.5	10.0	-98.6	2.1
NA	NA	-0.4	NA	NA	NA	NA	1.1
-4.8	2.7	-2.3	-99.2	NA	NA	NA	1.8
-4.3	2.9	1.4	-56.9	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	0.5
-4.2	4.3	-0.2	29.9	NA	NA	NA	1.0
NA	NA	-4.3	NA	NA	NA	NA	2.2
-4.2	5.9	0.8	-111.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	7.5	-0.1	159.6	NA	NA	NA	0.4
-4.3	2.0	1.6	-135.3	NA	NA	NA	1.0
-4.4	2.6	-0.3	-30.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.3	3.5	0.0	36.7	NA	NA	NA	0.9
NA	NA	-8.2	NA	NA	NA	NA	2.2
-4.2	8.0	1.2	-94.1	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	8.0	0.0	32.3	NA	NA	NA	0.3
-4.2	4.1	-8.1	-132.0	NA	NA	NA	2.4
-4.2	8.0	3.9	-76.7	NA	NA	NA	1.0
-4.6	2.3	1.1	24.7	-4.1	10.0	-18.7	1.0
-4.1	3.1	-0.2	152.3	NA	NA	NA	1.0
-4.1	4.4	0.7	-134.4	NA	NA	NA	1.0
-4.3	8.0	-0.5	-27.9	NA	NA	NA	0.8
-5.5	0.4	-0.8	31.1	-4.5	6.9	-138.3	2.0
-4.4	7.3	2.4	-45.6	NA	NA	NA	1.2
-4.5	2.2	-5.4	-115.5	NA	NA	NA	1.6
-4.4	5.2	-0.5	-104.8	NA	NA	NA	1.0
-4.8	4.4	0.1	21.0	-4.4	10.0	-17.2	1.0
-4.5	4.9	0.0	132.9	NA	NA	NA	1.0
-4.4	3.7	1.4	-124.4	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.1	1.4	-0.2	23.1	NA	NA	NA	1.0
-4.9	0.8	-0.4	15.8	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.0
NA	NA	-4.5	NA	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	1.1
-5.0	8.0	-4.0	38.2	NA	NA	NA	2.2
NA	NA	-0.1	NA	NA	NA	NA	1.5
-5.6	8.0	-0.4	-24.4	NA	NA	NA	1.9
-5.1	0.8	2.3	-29.9	-4.0	10.0	-4.5	1.0
-4.9	0.8	-3.8	103.8	NA	NA	NA	1.7
-4.9	0.9	-2.3	84.7	-4.0	10.0	38.1	1.2
NA	NA	-2.0	NA	NA	NA	NA	1.3
-5.4	1.4	-0.7	-14.6	NA	NA	NA	1.0
-4.5	0.5	-3.7	113.4	NA	NA	NA	2.2
-5.2	0.8	1.2	63.5	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	1.7
-4.4	8.0	0.1	30.5	NA	NA	NA	0.8
-5.1	2.6	-1.8	66.0	-4.6	10.0	-61.9	1.7
-5.1	3.6	-1.5	50.5	-4.6	10.0	-23.5	1.1
-4.4	8.0	3.6	-75.3	NA	NA	NA	1.6
NA	NA	0.1	NA	NA	NA	NA	0.7
-4.4	8.0	4.1	50.2	NA	NA	NA	1.6
-4.4	4.5	2.2	29.6	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.7	8.0	-0.5	-31.7	NA	NA	NA	1.0
-4.7	1.6	-4.1	98.0	NA	NA	NA	2.0
-4.6	4.2	-2.5	150.8	-4.1	10.0	74.1	1.9
NA	NA	-1.3	NA	NA	NA	NA	0.9
-5.2	6.0	0.6	-12.0	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.9
-5.2	4.3	-1.3	22.4	-4.7	9.8	1.6	1.0
NA	NA	0.9	NA	NA	NA	NA	1.9
NA	NA	-0.1	NA	NA	NA	NA	0.4
-4.6	4.9	-0.1	50.9	NA	NA	NA	1.3
-4.5	5.2	0.8	48.2	NA	NA	NA	1.0
NA	NA	-4.5	NA	NA	NA	NA	1.9
-4.8	4.7	0.0	-28.4	NA	NA	NA	1.0
-4.7	1.8	-1.7	100.7	NA	NA	NA	1.1
-4.6	2.0	-0.9	105.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.8
-5.0	3.1	1.4	-11.6	NA	NA	NA	1.4
-4.8	5.4	0.1	62.7	-4.4	6.1	8.0	1.0
-4.8	4.5	-0.3	49.4	-4.3	8.3	8.3	0.9
NA	NA	-9.3	NA	NA	NA	NA	2.4
NA	NA	-2.7	NA	NA	NA	NA	1.3
-4.5	1.7	5.6	37.5	NA	NA	NA	1.6



ga	gw	zr	tp	la	lw	bt	er
-4.4	1.4	4.8	42.0	NA	NA	NA	1.5
NA	NA	-1.7	NA	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	1.0
-4.6	1.4	-2.7	43.8	NA	NA	NA	2.0
-4.3	2.0	-1.5	63.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.6
-4.3	1.5	0.8	-33.1	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	0.4
-4.2	3.9	-0.6	18.8	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.9
NA	NA	-3.3	NA	NA	NA	NA	1.1
-4.9	1.3	3.4	81.2	NA	NA	NA	2.4
-4.7	1.6	4.9	81.1	-4.0	10.0	26.2	1.6
NA	NA	-0.8	NA	NA	NA	NA	1.2
NA	NA	-3.0	NA	NA	NA	NA	1.1
-4.9	2.8	1.4	72.5	-4.3	10.0	21.2	1.1
-4.9	3.6	1.4	53.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.5
-5.1	1.8	0.8	-17.1	NA	NA	NA	1.0
-4.8	0.9	-0.1	104.3	-4.0	9.8	27.9	1.6
-5.1	1.4	-1.2	77.3	-4.0	9.9	37.4	1.0
NA	NA	-6.5	NA	NA	NA	NA	2.2
-4.5	1.0	1.8	-40.1	NA	NA	NA	1.0
-5.3	0.7	-0.7	33.6	-4.3	10.0	-12.0	1.5
-4.9	0.8	-1.9	53.3	-4.2	10.0	4.5	1.5
-4.2	6.4	0.0	-115.2	NA	NA	NA	1.0
-5.2	1.4	1.0	11.5	NA	NA	NA	0.6
-4.4	3.8	-2.5	49.0	NA	NA	NA	1.6
NA	NA	-3.0	NA	NA	NA	NA	1.2
NA	NA	1.5	NA	NA	NA	NA	1.2
-4.3	3.8	-0.4	-36.8	NA	NA	NA	1.0
-4.5	8.0	-2.9	33.5	-4.1	10.0	-6.4	1.0
-4.5	7.9	-0.8	28.2	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.5
NA	NA	-2.0	NA	NA	NA	NA	0.5
-4.5	2.2	0.1	74.4	NA	NA	NA	2.0
-4.5	3.4	1.2	56.5	-4.2	10.0	-42.9	1.0
-4.1	8.0	-0.9	-72.7	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.7
-4.8	1.8	1.2	47.5	NA	NA	NA	1.4
-4.7	2.4	1.1	44.4	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.3
-5.5	3.5	0.1	-22.6	NA	NA	NA	1.1
-5.3	2.3	-2.0	69.6	-4.9	9.9	-22.7	1.4
-5.3	2.7	-0.6	81.4	-4.9	10.0	-9.9	1.3
NA	NA	0.6	NA	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.4	NA	NA	NA	NA	1.1
-4.8	8.0	0.6	27.3	NA	NA	NA	1.0
-4.8	3.8	0.3	33.6	-4.3	10.0	-5.8	0.5
-4.7	1.3	0.3	-54.9	NA	NA	NA	1.2
-4.8	4.8	1.0	-28.0	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.7
-4.7	8.0	-1.2	31.0	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.3
-4.9	3.1	-0.3	-32.8	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.1
-4.7	1.7	-1.0	30.2	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.0
-4.3	3.1	0.5	-44.9	NA	NA	NA	1.0
-5.7	1.0	-0.1	24.1	-4.6	2.7	-11.1	1.0
-5.6	1.4	-0.8	18.2	-4.8	5.3	6.2	1.0
NA	NA	0.2	NA	NA	NA	NA	1.3
NA	NA	-4.8	NA	NA	NA	NA	2.1
-8.1	2.0	3.1	100.7	-4.5	0.6	-257.3	2.9
-7.9	1.9	0.0	70.1	-5.0	0.8	-79.2	2.2
-5.4	1.0	0.3	-81.2	NA	NA	NA	1.4
-6.8	1.8	0.9	-15.3	NA	NA	NA	1.1
-6.6	1.6	-0.7	79.9	-5.5	2.8	-3.6	1.0
-6.5	1.5	-0.3	84.4	-5.7	3.0	16.2	1.4
NA	NA	-3.2	NA	NA	NA	NA	1.5
-7.1	2.0	-1.5	-14.6	-5.0	1.5	26.2	1.6
-7.5	1.6	-5.2	53.7	-4.9	0.9	-140.9	2.0
-7.3	1.8	-1.8	60.3	-5.3	0.8	-67.7	1.5
-5.0	0.6	3.3	-99.1	NA	NA	NA	1.7
-6.2	5.5	-0.3	-11.3	NA	NA	NA	1.4
-6.4	3.3	0.7	66.7	-5.5	2.6	-4.6	1.0
-6.3	2.6	0.8	32.2	-5.4	9.7	3.3	1.2
NA	NA	-3.5	NA	NA	NA	NA	1.0
-4.3	2.9	-0.8	-31.0	NA	NA	NA	1.3
-5.4	3.2	2.6	36.6	-4.7	2.3	-2.4	1.1
-5.4	1.8	1.1	34.1	-4.8	5.4	9.7	1.0
NA	NA	0.0	NA	NA	NA	NA	1.4
-4.9	3.0	-7.7	28.1	NA	NA	NA	2.0
-8.0	1.2	-11.6	93.0	-5.5	0.7	-56.3	2.6
-7.7	1.3	-0.3	81.0	-5.8	0.8	-38.6	2.2
-5.6	0.9	-4.8	-63.3	NA	NA	NA	1.9
-6.9	2.0	1.8	-17.3	NA	NA	NA	1.2
-6.6	2.0	1.5	101.2	-5.7	1.9	-7.2	1.0
-6.5	1.7	-0.8	111.6	-5.8	2.6	11.1	1.3
NA	NA	0.4	NA	NA	NA	NA	1.9
NA	NA	0.1	NA	NA	NA	NA	1.3
-4.9	2.3	2.2	57.0	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.9	3.1	-0.3	39.2	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	1.3
NA	NA	1.7	NA	NA	NA	NA	1.1
-4.8	2.0	-4.4	72.4	NA	NA	NA	1.3
-4.6	1.7	-6.2	69.2	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.6
-5.3	8.0	-2.0	4.5	NA	NA	NA	1.0
-4.6	5.3	-2.8	35.8	NA	NA	NA	1.0
-4.5	8.0	-0.7	21.1	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.7
-4.6	3.5	5.7	-11.7	NA	NA	NA	1.0
-4.5	4.5	0.1	32.4	NA	NA	NA	0.5
-4.5	4.3	-0.9	27.5	NA	NA	NA	0.4
-5.2	0.8	-7.1	-55.8	NA	NA	NA	1.8
-4.3	2.3	1.6	-46.6	NA	NA	NA	1.3
-4.6	8.0	0.4	30.9	-4.1	10.0	-1.2	1.0
-4.6	8.0	-0.3	29.3	NA	NA	NA	0.9
-4.7	8.0	-1.5	-33.2	NA	NA	NA	1.6
-4.8	8.0	0.2	-37.5	NA	NA	NA	1.0
-4.8	8.0	3.0	97.4	NA	NA	NA	1.3
-4.8	6.5	1.3	115.6	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.1
-5.6	8.0	0.4	-27.7	-5.0	10.0	-10.7	0.6
-5.6	3.0	-0.5	56.0	-4.8	2.2	13.6	1.0
-5.6	8.0	-0.3	59.2	-4.7	10.0	21.9	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.2
-4.3	2.7	1.3	-66.5	NA	NA	NA	1.0
-4.6	5.6	-0.6	77.3	-4.1	10.0	7.4	1.4
-4.5	4.2	-1.3	27.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.4
-5.0	0.6	-0.3	-24.4	NA	NA	NA	1.2
-5.1	0.7	-0.1	121.0	-4.4	10.0	-124.1	2.5
-5.2	0.8	0.2	85.0	-4.4	9.4	-6.0	1.6
-4.3	8.0	3.1	-93.2	NA	NA	NA	1.6
-4.3	2.8	0.1	-64.0	NA	NA	NA	1.0
-4.9	3.4	0.0	76.5	-4.5	6.3	5.3	1.0
-4.3	1.6	0.0	80.6	NA	NA	NA	1.0
-4.3	8.0	1.4	-62.0	NA	NA	NA	1.8
NA	NA	-2.8	NA	NA	NA	NA	1.3
-5.2	1.0	0.2	107.6	-4.3	10.0	19.1	1.6
-5.1	0.8	0.0	89.4	-4.5	10.0	11.1	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	1.1
-5.2	3.7	0.6	58.5	-4.9	10.0	6.4	1.0
-5.1	3.4	1.1	35.9	-4.7	9.4	-2.1	1.0
NA	NA	1.6	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-5.1	0.6	-0.1	-20.2	NA	NA	NA	0.9
-5.2	0.9	-1.1	57.0	-4.3	9.9	13.3	1.6
-4.7	1.0	-1.3	74.3	NA	NA	NA	1.2
NA	NA	2.5	NA	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	1.0
-5.1	1.7	0.5	89.8	-4.9	10.0	17.0	1.0
-5.4	5.1	0.2	64.9	-5.0	10.0	8.9	1.0
NA	NA	1.7	NA	NA	NA	NA	1.5
NA	NA	-0.7	NA	NA	NA	NA	1.0
-4.8	0.8	-0.5	110.5	NA	NA	NA	1.7
-4.8	0.7	-1.7	94.2	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	1.2
-4.7	2.7	0.4	-24.7	NA	NA	NA	1.0
-4.5	7.0	0.1	20.8	NA	NA	NA	1.0
-4.5	7.0	0.3	33.8	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.7
-5.7	0.9	1.2	-37.6	NA	NA	NA	1.0
-5.8	1.1	0.9	101.3	-4.6	2.5	36.6	2.2
-5.8	1.1	-1.4	101.7	-4.0	10.0	48.2	1.3
NA	NA	-1.4	NA	NA	NA	NA	1.3
-4.6	1.5	-0.8	-30.3	NA	NA	NA	1.0
-4.5	8.0	-0.4	23.4	NA	NA	NA	1.3
-4.5	4.0	0.9	37.0	NA	NA	NA	1.3
NA	NA	-1.0	NA	NA	NA	NA	1.1
-5.6	1.8	-1.0	-30.5	NA	NA	NA	1.0
-6.0	1.3	-2.9	62.3	-4.4	10.0	9.4	1.9
-5.4	1.1	-0.2	103.9	-4.0	10.0	46.3	1.3
NA	NA	0.4	NA	NA	NA	NA	1.7
-4.5	2.6	-0.1	-42.1	NA	NA	NA	1.0
-4.8	8.0	5.2	26.9	-4.2	2.1	-16.2	1.3
-4.7	3.8	2.8	32.3	NA	NA	NA	1.1
NA	NA	0.4	NA	NA	NA	NA	1.3
-4.2	4.5	-1.4	-83.7	NA	NA	NA	1.3
-4.8	0.8	-2.2	131.6	-4.2	10.0	-92.4	2.1
-4.9	0.9	-1.6	102.1	-4.3	10.0	12.4	1.7
-4.2	8.0	-0.5	-129.2	NA	NA	NA	1.5
-4.2	8.0	-0.9	-49.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.2
-4.2	8.0	0.1	22.3	NA	NA	NA	0.5
-4.2	8.0	0.7	-86.4	NA	NA	NA	1.7
-4.4	8.0	0.8	-80.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	5.2	0.0	107.2	NA	NA	NA	0.4
-4.2	3.9	0.4	-120.1	NA	NA	NA	1.0
-4.2	6.7	-1.5	-54.7	NA	NA	NA	1.0
-5.5	3.5	0.0	-6.0	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	-0.3	53.3	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.8
NA	NA	2.9	NA	NA	NA	NA	1.4
-4.8	1.2	0.9	167.1	-4.3	9.6	35.5	2.1
-5.0	1.5	-1.4	79.4	-4.4	10.0	27.3	1.0
NA	NA	-0.8	NA	NA	NA	NA	2.0
NA	NA	-1.1	NA	NA	NA	NA	0.8
-5.0	2.6	-2.1	82.8	-4.3	2.4	16.7	1.4
-4.9	1.9	-0.8	50.1	-4.4	10.0	6.9	1.0
NA	NA	-5.3	NA	NA	NA	NA	1.8
-4.6	6.3	2.2	-38.8	NA	NA	NA	1.0
-4.9	8.0	-1.6	22.0	NA	NA	NA	1.0
-4.7	8.0	-2.4	39.7	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.6
-4.7	5.0	0.6	87.3	NA	NA	NA	1.1
-5.6	2.7	-1.0	64.0	-4.7	3.7	-99.8	1.7
-5.7	8.0	-0.8	19.4	-4.4	2.5	-112.5	1.1
-4.8	2.0	-1.6	-98.1	NA	NA	NA	1.6
-4.9	4.0	0.7	-44.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.8	2.5	-0.2	14.9	NA	NA	NA	0.4
-4.7	8.0	-1.6	-36.5	NA	NA	NA	1.2
-5.0	2.4	-0.2	-28.6	NA	NA	NA	1.0
-5.0	2.8	0.0	122.2	-4.6	8.1	77.9	1.0
-5.0	2.8	-0.1	123.8	-4.3	9.9	53.2	1.0
-5.5	3.1	-0.1	-33.3	NA	NA	NA	1.8
-4.2	3.5	-1.6	-108.7	NA	NA	NA	1.0
-4.4	8.0	2.6	-40.3	NA	NA	NA	1.6
-4.2	2.9	1.5	42.2	NA	NA	NA	1.1
-4.2	3.5	-2.1	-118.2	NA	NA	NA	1.5
-4.1	8.0	2.5	-62.2	NA	NA	NA	1.1
-4.5	0.4	-1.7	62.5	-4.2	10.0	-118.8	2.0
NA	NA	1.6	NA	NA	NA	NA	1.6
-4.3	8.0	0.8	-104.8	NA	NA	NA	1.0
-4.2	4.7	0.4	-104.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	4.8	0.0	145.0	NA	NA	NA	0.4
-4.3	2.8	2.2	-136.9	NA	NA	NA	1.0
-4.2	8.0	-0.5	-50.4	NA	NA	NA	1.0
-4.3	8.0	-0.2	20.3	NA	NA	NA	0.5
NA	NA	0.0	NA	NA	NA	NA	0.0
NA	NA	0.4	NA	NA	NA	NA	1.6
-4.2	4.5	2.7	-93.5	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	6.9	-0.2	22.2	NA	NA	NA	0.3
-4.2	3.5	-1.4	-134.6	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.2	7.6	3.7	-76.9	NA	NA	NA	1.1
-4.6	1.8	0.4	19.9	-4.1	10.0	-21.4	1.0
-4.1	4.0	-1.2	135.9	NA	NA	NA	1.0
-4.1	3.5	1.1	-138.5	NA	NA	NA	1.8
-4.5	1.2	-0.7	-18.8	NA	NA	NA	0.5
-4.3	2.1	0.9	108.0	NA	NA	NA	1.5
-4.3	1.5	0.9	81.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.8
-4.2	2.2	1.4	-25.2	NA	NA	NA	0.8
-4.3	1.4	-2.2	57.6	NA	NA	NA	1.7
-4.2	2.2	-0.6	67.4	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	2.1	NA	NA	NA	NA	0.9
-4.5	4.8	-0.6	49.0	NA	NA	NA	1.9
-4.2	2.4	-1.0	48.3	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.3
-5.2	4.1	-0.2	-12.5	NA	NA	NA	0.6
-5.8	8.0	1.1	35.7	-5.2	2.0	7.2	1.1
-5.7	1.7	0.9	30.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
NA	NA	1.1	NA	NA	NA	NA	0.3
-5.2	3.0	-1.9	18.2	NA	NA	NA	1.1
-5.0	2.5	-1.8	17.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.3
-4.5	3.8	0.0	-13.9	NA	NA	NA	0.9
-4.2	2.9	2.9	127.1	NA	NA	NA	2.0
-4.2	3.2	0.8	102.7	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.3
-5.8	1.8	1.5	-20.4	NA	NA	NA	1.0
-5.6	1.2	-1.3	105.0	-4.1	5.3	40.4	1.2
-5.6	1.4	-1.1	94.1	-4.3	6.5	47.9	1.0
NA	NA	-5.9	NA	NA	NA	NA	2.0
-4.4	2.5	-0.5	-97.7	NA	NA	NA	1.0
-4.5	0.7	-0.6	37.8	-4.3	10.0	-5.7	1.2
-4.4	1.4	0.2	92.8	NA	NA	NA	1.1
-4.4	8.0	0.0	-84.2	NA	NA	NA	1.0
-4.2	5.8	-0.5	-67.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.6
-4.1	8.0	-0.2	26.4	NA	NA	NA	0.5
-4.3	2.4	1.7	-119.3	NA	NA	NA	1.6
-4.4	8.0	0.4	-52.0	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	5.4	0.1	48.8	NA	NA	NA	0.5
-4.4	3.5	-5.7	-87.8	NA	NA	NA	2.2
-4.5	8.0	-0.7	-69.0	NA	NA	NA	1.3
NA	NA	0.0	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	6.3	0.0	20.3	NA	NA	NA	0.3
-4.5	8.0	2.7	-82.1	NA	NA	NA	1.4
-4.7	5.8	0.8	-82.8	NA	NA	NA	1.0
-5.1	8.0	0.3	23.9	-4.7	9.2	-32.8	1.6
-4.8	2.4	-0.7	59.0	NA	NA	NA	1.5
-4.7	6.9	-0.1	-93.3	NA	NA	NA	1.4
-4.4	5.6	0.1	-61.4	NA	NA	NA	1.1
-4.4	1.8	-1.0	-26.7	NA	NA	NA	1.0
-4.1	6.3	-0.5	79.0	NA	NA	NA	1.0
-4.6	4.4	-1.3	-88.9	NA	NA	NA	1.9
-4.3	4.2	-1.0	-101.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	3.1	0.0	141.7	NA	NA	NA	0.4
-4.3	3.0	0.8	-127.3	NA	NA	NA	1.4
-4.3	2.5	-3.1	-100.8	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.6	6.0	0.1	16.3	NA	NA	NA	0.3
-4.2	4.9	-2.7	-130.9	NA	NA	NA	1.6
-4.4	8.0	0.4	-59.1	NA	NA	NA	1.2
-4.2	3.0	0.5	-22.4	NA	NA	NA	1.0
-4.1	4.3	0.0	72.1	NA	NA	NA	1.0
-4.2	4.3	4.9	-94.8	NA	NA	NA	1.9
-5.5	4.0	0.4	-19.5	NA	NA	NA	1.0
-5.1	1.3	-2.6	58.8	NA	NA	NA	1.1
-5.1	1.5	-1.4	58.1	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	1.1
-5.3	2.5	-0.1	45.5	-4.4	10.0	6.2	1.4
-5.3	1.9	-0.6	25.3	-4.5	9.7	-12.5	1.0
-4.6	8.0	-1.2	-70.0	NA	NA	NA	1.5
-5.8	1.3	-3.1	6.0	NA	NA	NA	1.2
-4.9	2.9	0.6	44.6	-4.5	10.0	1.2	1.0
-4.8	8.0	0.6	16.0	-4.3	10.0	-13.3	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
-7.0	2.6	-1.3	8.4	-5.4	5.7	-26.7	0.9
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.8	1.9	-1.5	36.4	NA	NA	NA	1.0
NA	NA	-3.7	NA	NA	NA	NA	1.3
NA	NA	1.0	NA	NA	NA	NA	1.2
-4.5	7.5	1.3	56.5	NA	NA	NA	1.0
-4.5	8.0	0.6	33.7	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	1.1
NA	NA	-1.4	NA	NA	NA	NA	0.5
-4.7	8.0	-0.1	58.6	NA	NA	NA	1.6
-4.5	2.9	0.9	47.0	NA	NA	NA	1.0
NA	NA	3.6	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.6	NA	NA	NA	NA	1.1
-5.0	1.4	1.2	97.4	-4.4	10.0	51.2	1.7
-5.0	2.0	1.0	74.8	-4.4	10.0	46.8	1.0
NA	NA	0.0	NA	NA	NA	NA	1.7
-4.4	4.4	0.7	-39.7	NA	NA	NA	1.0
-4.8	8.0	0.5	14.3	NA	NA	NA	1.3
-4.4	3.2	0.1	43.8	NA	NA	NA	1.0
-4.3	5.6	-0.3	-47.9	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.4
-4.3	1.4	-3.2	55.1	NA	NA	NA	1.6
-4.4	3.2	-1.6	43.9	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.4
NA	NA	0.3	NA	NA	NA	NA	0.5
-4.4	2.8	0.6	89.6	NA	NA	NA	1.6
-4.5	8.0	-1.1	39.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.2
-5.2	3.2	-0.7	-78.7	NA	NA	NA	1.0
-5.3	8.0	0.8	-27.7	NA	NA	NA	1.3
-4.5	1.3	1.8	133.9	NA	NA	NA	1.2
-5.2	2.8	-0.7	-92.6	NA	NA	NA	1.1
-4.8	3.6	-0.9	-63.8	NA	NA	NA	1.0
-5.2	7.9	-0.6	23.4	-4.5	4.4	-123.6	1.5
-4.4	8.0	0.8	37.8	NA	NA	NA	1.0
-4.9	7.0	1.2	-101.5	NA	NA	NA	1.1
-4.5	4.7	-0.5	-70.1	NA	NA	NA	1.0
-4.8	8.0	0.5	-21.9	NA	NA	NA	1.0
-4.4	8.0	0.2	104.1	NA	NA	NA	1.0
-4.7	4.6	1.6	-99.4	NA	NA	NA	1.5
-5.1	6.5	-0.9	-84.7	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.8	3.9	0.1	170.4	NA	NA	NA	0.4
-5.0	8.0	-5.6	-95.2	NA	NA	NA	1.2
-5.0	3.6	0.2	-81.4	NA	NA	NA	1.2
-4.4	0.8	-0.2	18.5	NA	NA	NA	1.0
-4.6	2.8	0.0	231.1	NA	NA	NA	0.9
-4.9	8.0	3.3	-103.0	NA	NA	NA	1.9
-4.9	4.2	0.0	-77.5	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.6	3.3	0.1	39.3	NA	NA	NA	0.3
-4.9	8.0	-1.2	-94.7	NA	NA	NA	1.3
-4.8	3.3	0.2	-86.5	NA	NA	NA	1.0
-5.0	7.8	0.2	-24.1	-4.3	1.8	-8.9	0.8
-4.2	2.0	-0.4	304.2	NA	NA	NA	1.0
-4.7	4.3	-3.0	-98.2	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.9	4.0	0.1	26.4	NA	NA	NA	1.1



ga	gw	zr	tp	la	lw	bt	er
-4.8	8.0	0.0	24.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.2
-4.7	1.5	-0.4	-38.5	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.9
-4.8	6.3	0.6	10.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.5
-4.7	3.0	0.7	-26.6	NA	NA	NA	1.0
-5.3	8.0	1.4	16.2	NA	NA	NA	1.3
-4.7	2.9	0.8	47.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.5
NA	NA	-1.3	NA	NA	NA	NA	0.4
-4.5	3.2	0.0	45.2	NA	NA	NA	1.2
-4.3	2.1	0.1	66.4	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	0.8
-5.0	8.0	-2.1	-20.6	NA	NA	NA	1.0
-4.9	8.0	-1.9	65.8	-4.4	10.0	9.2	1.4
-4.9	6.7	-1.0	64.0	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	1.7
NA	NA	0.6	NA	NA	NA	NA	1.2
-4.2	5.2	-0.2	74.8	NA	NA	NA	1.0
-4.2	6.0	-0.7	36.6	NA	NA	NA	1.0
NA	NA	-3.4	NA	NA	NA	NA	2.0
NA	NA	-0.2	NA	NA	NA	NA	0.7
-4.3	3.2	0.1	35.7	NA	NA	NA	0.5
-4.2	3.3	-0.2	24.0	NA	NA	NA	0.4
NA	NA	1.0	NA	NA	NA	NA	0.9
NA	NA	0.1	NA	NA	NA	NA	0.8
-4.3	6.3	0.7	34.2	NA	NA	NA	1.0
-4.2	4.2	0.3	24.4	NA	NA	NA	0.5
NA	NA	0.9	NA	NA	NA	NA	1.2
NA	NA	1.5	NA	NA	NA	NA	1.1
-4.8	2.6	-2.1	49.7	NA	NA	NA	1.8
-4.5	1.9	-1.5	44.9	NA	NA	NA	1.8
NA	NA	-0.3	NA	NA	NA	NA	1.6
-4.5	4.2	-3.9	-29.7	NA	NA	NA	1.2
-4.5	4.2	-0.7	58.1	NA	NA	NA	1.0
-4.5	5.6	0.0	77.9	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.4
NA	NA	-1.5	NA	NA	NA	NA	1.5
-5.1	8.0	0.7	19.9	NA	NA	NA	1.8
-4.7	1.9	0.7	26.5	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.1
-4.3	2.6	-0.6	-24.0	NA	NA	NA	1.0
-4.3	2.3	0.1	70.0	NA	NA	NA	1.1
-4.3	2.5	0.6	78.9	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	8.0	1.2	-41.2	NA	NA	NA	1.0
-5.0	7.9	2.1	46.8	-4.6	10.0	-109.2	1.6
NA	NA	0.9	NA	NA	NA	NA	0.6
-4.6	8.0	0.5	-103.6	NA	NA	NA	1.7
NA	NA	0.4	NA	NA	NA	NA	0.9
-4.8	1.5	0.7	54.5	NA	NA	NA	1.0
-4.6	1.9	-0.1	51.6	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.3
NA	NA	-1.1	NA	NA	NA	NA	0.7
-4.7	1.4	-0.1	32.9	NA	NA	NA	0.5
-4.7	1.6	0.2	23.7	NA	NA	NA	0.4
NA	NA	0.3	NA	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.5	2.0	0.3	56.6	NA	NA	NA	1.0
-4.5	2.0	0.1	41.9	NA	NA	NA	0.9
NA	NA	3.1	NA	NA	NA	NA	1.8
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.8	0.9	1.3	46.5	NA	NA	NA	1.0
-4.5	0.8	0.1	35.9	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.4
-5.5	1.0	2.0	-71.9	NA	NA	NA	1.2
-7.9	2.5	-28.8	4.1	-5.5	10.0	-32.0	1.8
-7.1	0.9	-16.1	36.4	-6.9	9.8	11.4	2.1
NA	NA	-2.7	NA	NA	NA	NA	1.6
-5.7	3.0	3.0	-9.7	NA	NA	NA	1.3
-4.9	1.3	0.9	55.8	NA	NA	NA	1.7
-5.3	1.7	-0.1	46.0	NA	NA	NA	1.0
NA	NA	-11.0	NA	NA	NA	NA	2.3
-5.7	8.0	-0.8	-20.2	NA	NA	NA	1.3
-5.8	5.7	-0.2	30.7	-5.5	8.6	1.6	1.0
-5.9	8.0	0.1	15.1	NA	NA	NA	0.9
-5.6	8.0	2.7	-30.1	NA	NA	NA	2.1
-7.3	8.0	-0.3	-24.3	-6.5	1.9	4.3	1.5
-6.8	1.7	-10.4	114.9	-4.6	10.0	41.7	2.8
-7.1	7.8	-3.8	64.0	-4.9	1.4	15.6	2.4
-6.2	6.9	-3.6	-33.0	NA	NA	NA	2.1
-6.7	1.4	6.6	-9.9	NA	NA	NA	1.7
-6.7	1.8	0.6	59.2	NA	NA	NA	1.5
-6.5	1.3	-0.7	69.6	-5.7	3.7	49.6	1.1
NA	NA	-2.9	NA	NA	NA	NA	1.1
-6.3	1.7	2.7	-42.2	NA	NA	NA	1.4
-7.1	2.0	-0.4	112.7	-6.0	0.9	4.2	1.7
-7.1	2.1	-1.8	68.8	-5.0	1.2	41.9	1.1
-6.3	2.0	1.2	-77.9	NA	NA	NA	1.6
-4.8	4.7	-0.7	-18.5	NA	NA	NA	1.0
-4.7	1.2	-2.6	61.1	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.5	1.6	-0.9	84.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
NA	NA	2.7	NA	NA	NA	NA	0.8
-4.3	1.9	0.5	95.3	NA	NA	NA	1.2
-4.4	2.1	-0.8	41.3	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.1
-4.3	1.0	1.6	47.7	NA	NA	NA	1.0
-4.2	1.2	1.6	286.7	NA	NA	NA	1.7
-4.4	1.9	-0.5	66.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.5
-4.4	1.3	-0.9	48.1	NA	NA	NA	1.0
-4.1	0.8	-0.2	318.1	NA	NA	NA	1.2
-4.1	0.7	0.6	160.7	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	1.7
-4.2	5.8	1.8	22.2	NA	NA	NA	1.0
-4.2	1.4	0.5	158.2	NA	NA	NA	0.5
-4.3	1.4	0.1	81.9	NA	NA	NA	0.4
NA	NA	3.4	NA	NA	NA	NA	1.3
-4.3	1.5	1.8	17.6	NA	NA	NA	1.0
-4.4	1.0	1.1	209.7	NA	NA	NA	1.0
-4.5	1.0	-0.3	118.1	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	1.6
-4.5	1.3	-1.4	27.3	NA	NA	NA	1.1
-4.4	1.7	0.6	122.1	NA	NA	NA	0.5
-4.4	1.6	0.5	43.9	NA	NA	NA	0.3
NA	NA	-3.5	NA	NA	NA	NA	2.1
-4.3	1.5	-2.2	21.1	NA	NA	NA	1.0
-4.0	0.8	-0.1	232.4	NA	NA	NA	1.0
-4.0	0.8	1.2	129.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
-4.7	2.0	-1.4	-29.2	NA	NA	NA	1.0
-4.4	1.7	-2.3	37.8	NA	NA	NA	1.2
-4.4	1.4	-1.8	64.3	NA	NA	NA	1.0
NA	NA	-12.6	NA	NA	NA	NA	2.4
-5.8	5.2	-1.5	-8.9	NA	NA	NA	1.0
-5.5	1.5	-1.4	41.5	NA	NA	NA	1.0
-5.3	1.1	-0.1	40.9	NA	NA	NA	1.0
NA	NA	3.3	NA	NA	NA	NA	2.0
-5.0	1.9	1.1	-32.5	NA	NA	NA	1.0
-4.7	0.8	0.2	60.9	NA	NA	NA	1.5
-4.5	1.1	-0.2	83.3	NA	NA	NA	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.1
-5.3	0.5	1.6	-18.6	NA	NA	NA	1.0
-5.2	0.8	0.3	72.8	NA	NA	NA	1.0
-5.4	0.8	-0.9	56.1	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.1	NA	NA	NA	NA	1.0
-5.0	8.0	-0.1	71.8	-4.7	2.1	36.8	1.2
-5.0	3.7	0.0	43.2	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.4
-5.5	0.4	6.8	-18.3	NA	NA	NA	1.2
-5.4	1.4	0.3	39.8	-4.7	6.5	9.1	1.0
-5.5	1.2	-1.3	34.4	-4.6	9.5	9.6	0.9
-6.3	2.5	-1.6	-36.1	NA	NA	NA	1.9
-6.1	2.8	0.6	-36.2	-4.0	10.0	-7.5	0.7
-4.1	2.8	-1.1	49.3	NA	NA	NA	0.9
-5.0	0.7	-0.3	37.4	NA	NA	NA	1.0
-5.0	0.6	1.3	-97.8	NA	NA	NA	1.8
-5.6	1.1	0.0	-10.9	NA	NA	NA	1.2
-5.3	8.0	-0.6	35.8	-4.5	3.5	2.1	1.0
-5.1	3.4	-0.3	43.8	-4.4	6.6	11.0	0.9
-5.6	4.7	-5.6	-38.4	NA	NA	NA	2.3
-5.8	2.8	-1.2	-26.6	-4.7	1.5	-3.1	1.3
-4.7	2.6	-0.3	82.3	NA	NA	NA	1.0
-4.7	1.0	0.0	76.7	NA	NA	NA	1.0
-6.0	2.5	2.0	-50.9	NA	NA	NA	1.5
-5.7	2.1	1.5	-17.7	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.5	0.7	-0.4	13.4	NA	NA	NA	0.4
-4.4	1.8	-2.2	-102.5	NA	NA	NA	1.7
-5.5	1.0	-0.9	-12.3	NA	NA	NA	1.0
-5.6	2.4	0.1	40.4	-4.1	9.2	5.0	1.0
-5.6	2.3	0.2	36.4	-4.1	10.0	6.4	0.9
-6.1	2.2	-4.7	-39.6	NA	NA	NA	1.8
-5.8	5.8	-0.1	-29.2	-4.7	9.9	-16.2	1.0
-5.9	4.2	0.9	23.2	-3.9	1.8	2.3	1.0
-5.9	2.4	1.3	44.8	-4.7	9.1	24.8	1.0
-5.7	0.9	2.6	-56.0	NA	NA	NA	1.3
-4.3	1.2	-0.6	-23.5	NA	NA	NA	0.9
-4.6	5.5	-6.6	97.1	NA	NA	NA	1.7
-4.5	3.1	-1.6	73.8	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.6
-4.3	2.3	0.3	-30.7	NA	NA	NA	1.0
-5.0	1.9	1.8	24.6	NA	NA	NA	1.2
-4.7	1.6	1.1	31.5	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.2
-4.3	4.5	-0.4	-47.2	NA	NA	NA	1.0
-4.2	5.4	-1.6	32.2	NA	NA	NA	1.0
-4.2	7.6	-0.9	92.1	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.7
-4.5	4.6	1.0	-70.1	NA	NA	NA	1.0
-4.2	8.0	-0.7	-22.3	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.6	4.9	-1.3	45.2	NA	NA	NA	1.0
-4.3	3.8	-1.0	-85.7	NA	NA	NA	1.0
-4.2	4.6	-1.3	-49.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	3.2	0.1	19.0	NA	NA	NA	0.4
-4.2	8.0	-0.1	-77.0	NA	NA	NA	1.2
-4.5	0.8	0.0	-43.5	NA	NA	NA	1.1
-5.1	1.5	-1.9	62.9	NA	NA	NA	1.8
-5.0	1.6	0.2	73.5	NA	NA	NA	1.2
NA	NA	-2.4	NA	NA	NA	NA	1.5
-5.0	1.7	0.7	-19.1	-4.0	10.0	17.0	1.0
-5.2	0.7	0.8	45.5	-4.3	10.0	1.6	2.1
-4.8	1.0	-0.4	59.5	-4.2	10.0	6.8	1.6
NA	NA	1.3	NA	NA	NA	NA	1.5
-4.7	2.9	0.4	-39.2	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	0.1
-4.4	1.9	0.1	52.9	NA	NA	NA	0.9
-4.5	4.9	-5.4	-77.8	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	0.8
-4.4	1.3	-1.2	86.0	-4.2	10.0	13.6	1.0
-4.4	1.5	-1.3	58.1	-4.2	10.0	6.3	1.0
NA	NA	0.7	NA	NA	NA	NA	2.0
-4.4	1.1	1.7	-29.2	NA	NA	NA	1.0
-4.4	0.7	-0.4	119.7	NA	NA	NA	1.9
-4.2	0.9	-0.1	113.4	NA	NA	NA	1.2
NA	NA	3.2	NA	NA	NA	NA	1.5
-6.6	5.6	-1.6	4.4	-4.4	10.0	-14.7	1.0
-4.3	1.5	0.4	161.0	-4.1	10.0	28.3	1.0
-4.3	1.9	0.2	104.7	-4.1	9.5	21.5	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.9
NA	NA	0.0	NA	NA	NA	NA	0.7
-4.9	1.2	-2.4	29.6	NA	NA	NA	1.1
-5.0	2.5	-1.6	19.6	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	0.4
-4.2	8.0	-0.5	30.0	NA	NA	NA	1.0
-4.2	5.7	-1.1	52.3	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.3
-5.3	2.4	1.2	-17.6	NA	NA	NA	1.0
-5.4	1.2	-4.4	95.3	NA	NA	NA	1.9
-5.3	1.4	-2.6	87.4	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	1.4
-4.4	8.0	1.1	34.5	NA	NA	NA	1.0
-4.8	0.5	-1.9	41.4	-4.4	10.0	-90.6	1.9
-4.4	6.8	0.2	-66.6	NA	NA	NA	1.0
NA	NA	-4.0	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
-4.9	1.8	-1.3	-30.9	NA	NA	NA	1.0
-5.5	3.4	-0.4	30.3	-4.7	10.0	1.3	1.0
-5.5	2.6	1.1	32.2	-4.3	3.8	0.1	1.0
NA	NA	-2.4	NA	NA	NA	NA	1.7
-4.5	8.0	-2.5	26.5	NA	NA	NA	1.3
-5.8	3.2	-0.7	55.3	-4.3	1.6	-162.5	2.2
-5.2	2.6	1.2	67.1	-4.6	2.5	-60.2	1.3
-4.9	0.8	1.2	-54.0	NA	NA	NA	1.9
-4.7	1.5	0.8	-38.4	NA	NA	NA	1.0
-5.4	2.4	0.7	34.6	-4.4	10.0	-1.0	1.0
-5.4	3.5	0.5	32.7	NA	NA	NA	1.0
NA	NA	-3.0	NA	NA	NA	NA	1.7
-4.4	7.4	-0.7	-26.6	NA	NA	NA	1.0
-4.3	2.7	-1.7	35.9	NA	NA	NA	1.0
-4.5	8.0	-1.1	40.4	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.0
-5.4	2.2	3.1	-12.2	NA	NA	NA	1.9
-6.1	2.5	7.2	53.6	NA	NA	NA	2.3
-5.6	1.0	0.5	55.3	NA	NA	NA	1.6
NA	NA	-1.1	NA	NA	NA	NA	2.0
NA	NA	0.5	NA	NA	NA	NA	0.9
-4.5	0.8	-0.4	42.8	NA	NA	NA	1.5
-4.5	1.5	-1.2	35.8	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	0.8
NA	NA	0.0	NA	NA	NA	NA	0.9
NA	NA	4.3	NA	NA	NA	NA	2.1
-4.5	8.0	1.1	27.4	NA	NA	NA	1.1
NA	NA	-5.0	NA	NA	NA	NA	1.6
-4.4	6.6	1.8	-24.8	NA	NA	NA	1.2
-4.2	4.4	-0.1	30.0	NA	NA	NA	1.0
-4.2	5.3	-0.6	51.6	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.6
-4.8	4.1	1.1	-23.6	NA	NA	NA	1.0
-4.9	3.1	1.8	40.1	NA	NA	NA	1.1
-4.8	2.9	0.6	46.7	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.7	2.4	0.5	26.3	NA	NA	NA	1.0
-4.8	2.6	-0.1	22.9	NA	NA	NA	0.9
NA	NA	1.6	NA	NA	NA	NA	1.7
-5.0	3.7	-0.5	-83.3	NA	NA	NA	1.0
-5.0	8.0	1.0	-31.1	NA	NA	NA	0.8
-4.7	1.7	0.7	93.4	NA	NA	NA	1.0
-4.9	3.1	0.4	-94.4	NA	NA	NA	1.0
-4.5	8.0	2.3	-63.1	NA	NA	NA	1.3
-4.9	5.2	-4.6	79.8	-4.4	2.4	-151.8	2.2

ga	gw	zr	tp	la	lw	bt	er
-4.8	6.7	-3.8	60.7	-4.6	10.0	27.4	1.4
-4.5	1.1	-0.7	-128.8	NA	NA	NA	1.2
-4.6	5.4	1.8	-64.4	NA	NA	NA	1.2
-4.7	8.0	0.5	-27.4	NA	NA	NA	0.5
-4.2	8.0	-0.7	60.5	NA	NA	NA	1.0
-4.8	7.0	1.4	-84.9	NA	NA	NA	2.0
-5.0	7.6	-1.0	-85.2	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.9	6.8	0.1	169.7	NA	NA	NA	0.4
-5.0	8.0	-1.4	-98.1	NA	NA	NA	1.2
-5.0	3.8	0.6	-81.8	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	2.2	-0.7	274.7	NA	NA	NA	0.9
-5.3	2.4	-3.3	-88.5	NA	NA	NA	1.3
-4.7	8.0	0.5	-78.1	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.6	4.6	0.0	29.5	NA	NA	NA	0.3
-4.8	3.8	-1.0	-96.0	NA	NA	NA	1.2
-5.0	4.1	-0.5	-89.0	NA	NA	NA	1.0
-5.4	1.2	-0.4	16.9	-4.9	10.0	-12.5	1.0
-4.6	2.5	0.2	264.9	NA	NA	NA	1.0
-5.0	3.1	1.0	-94.9	NA	NA	NA	1.4
-4.4	1.2	-0.9	-29.9	NA	NA	NA	0.7
-4.8	2.0	-3.0	73.2	NA	NA	NA	1.5
-4.4	1.3	-0.2	104.8	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.8
NA	NA	-0.6	NA	NA	NA	NA	1.3
-4.3	1.9	-1.3	102.3	NA	NA	NA	1.3
-4.3	1.5	-0.6	75.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.9
NA	NA	-1.7	NA	NA	NA	NA	1.1
-5.3	8.0	-1.8	24.2	-4.2	10.0	-73.2	2.1
-4.5	3.3	2.0	47.0	-4.1	10.0	-28.7	1.0
NA	NA	0.5	NA	NA	NA	NA	1.2
-4.3	8.0	-2.5	-24.2	NA	NA	NA	1.0
-4.5	7.0	1.2	28.4	-4.0	2.7	-11.1	1.0
-4.6	8.0	1.3	20.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	1.6
-4.7	4.3	0.9	-31.8	NA	NA	NA	1.0
-4.8	8.0	-0.6	23.6	NA	NA	NA	1.2
-4.8	8.0	-1.6	47.3	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.0
-5.2	7.5	0.5	-19.4	-4.3	2.4	17.7	0.7
-5.4	3.8	-3.6	74.1	NA	NA	NA	1.8
-5.2	2.2	-1.3	87.7	-4.7	10.0	48.1	1.0
NA	NA	-2.4	NA	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.6	NA	NA	NA	NA	1.1
-4.4	7.9	0.3	43.1	NA	NA	NA	0.9
-4.5	7.9	-0.7	51.5	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	0.6
-4.7	1.4	-0.5	113.4	-4.2	10.0	25.6	1.7
-4.4	1.3	-1.9	73.8	-4.1	9.8	28.9	1.1
NA	NA	-1.0	NA	NA	NA	NA	1.1
NA	NA	1.4	NA	NA	NA	NA	1.4
-5.1	1.9	1.2	94.4	-4.5	6.3	28.7	1.0
-5.1	2.5	-0.1	76.7	-4.5	9.1	12.8	1.0
NA	NA	-3.9	NA	NA	NA	NA	2.3
-4.3	3.0	1.8	-76.4	NA	NA	NA	1.0
-4.7	8.0	-2.5	10.9	NA	NA	NA	1.3
-4.3	2.9	-1.5	115.0	NA	NA	NA	1.0
-4.4	8.0	-4.2	-42.3	NA	NA	NA	1.4
-4.3	2.6	-1.9	-65.9	NA	NA	NA	1.0
-4.3	2.5	-1.5	30.0	NA	NA	NA	1.0
-4.2	3.7	0.3	110.7	NA	NA	NA	1.0
NA	NA	-2.5	NA	NA	NA	NA	0.8
-5.4	8.0	-1.0	-19.5	NA	NA	NA	1.0
-4.9	0.6	1.6	42.2	-4.6	10.0	-11.1	1.6
-5.2	2.9	2.5	52.4	-4.8	10.0	3.3	1.5
-5.4	2.4	-0.6	27.3	NA	NA	NA	1.3
-4.4	8.0	-1.3	53.4	NA	NA	NA	1.0
-5.1	3.7	-0.6	36.3	-4.6	8.4	-137.0	1.6
-4.8	1.3	0.3	46.1	-4.5	10.0	-52.6	1.0
NA	NA	-3.3	NA	NA	NA	NA	2.0
-5.1	4.4	0.9	-80.0	NA	NA	NA	0.6
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.8	3.4	-0.2	66.6	NA	NA	NA	0.4
-5.0	7.0	-0.1	-97.0	NA	NA	NA	1.1
-4.7	8.0	-0.8	-42.1	NA	NA	NA	1.0
-4.8	7.0	0.1	55.2	NA	NA	NA	1.0
-4.8	8.0	1.3	88.1	-4.4	2.1	17.8	1.0
-4.8	7.4	0.5	-50.7	NA	NA	NA	1.6
NA	NA	-1.8	NA	NA	NA	NA	0.8
-4.2	4.1	0.7	41.7	NA	NA	NA	1.0
-4.2	3.6	0.4	51.4	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	0.8
-4.3	1.3	1.1	65.0	NA	NA	NA	1.5
-4.3	1.5	1.3	53.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.3
NA	NA	0.2	NA	NA	NA	NA	1.4
-6.1	8.0	-4.9	70.0	-5.5	3.3	-67.5	2.2



ga	gw	zr	tp	la	lw	bt	er
-6.1	8.0	-2.0	65.8	-5.6	3.1	-31.6	1.2
-6.1	2.4	0.5	-36.4	NA	NA	NA	1.2
-5.4	1.3	0.2	-20.8	NA	NA	NA	1.0
-5.6	1.3	-0.4	22.4	-4.0	0.8	-22.7	0.5
-5.9	2.9	-0.2	15.7	NA	NA	NA	1.0
NA	NA	-4.8	NA	NA	NA	NA	1.8
NA	NA	0.3	NA	NA	NA	NA	0.9
-4.3	1.0	-1.4	63.7	NA	NA	NA	1.7
-4.4	3.1	-0.7	44.3	NA	NA	NA	1.1
NA	NA	2.4	NA	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.2	1.1	4.5	100.1	NA	NA	NA	1.8
-4.6	0.7	-1.6	68.8	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	1.4
-5.0	8.0	-0.3	-11.3	NA	NA	NA	1.0
-5.4	4.1	0.0	62.0	-4.4	8.5	21.5	1.0
-5.3	2.3	-0.8	61.4	-4.4	10.0	20.9	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.3
-5.5	1.6	-0.1	-21.1	NA	NA	NA	1.0
-5.2	1.1	-1.6	100.7	NA	NA	NA	1.8
-5.4	1.4	-1.7	87.3	NA	NA	NA	1.5
NA	NA	1.7	NA	NA	NA	NA	1.5
-4.2	3.3	0.1	-24.3	NA	NA	NA	0.9
-4.5	4.1	1.2	35.3	NA	NA	NA	1.4
-4.2	2.4	0.8	61.9	NA	NA	NA	1.0
NA	NA	2.0	NA	NA	NA	NA	1.5
-5.1	8.0	0.4	-18.7	NA	NA	NA	1.0
-5.2	5.1	1.2	72.4	-4.7	1.8	28.8	1.0
-5.1	3.7	0.6	71.9	-4.4	1.5	11.8	1.0
NA	NA	0.5	NA	NA	NA	NA	1.3
-4.9	0.9	0.0	-20.1	NA	NA	NA	1.0
-4.8	1.8	3.3	65.3	NA	NA	NA	1.3
-5.0	2.5	2.7	52.8	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.3	2.9	-1.3	-51.5	NA	NA	NA	1.0
-4.8	2.4	-1.3	23.3	NA	NA	NA	1.0
-4.4	2.2	-0.3	87.8	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.6
-4.1	8.0	-0.9	-36.9	NA	NA	NA	1.0
-4.1	4.6	-1.2	-72.9	NA	NA	NA	2.0
-4.1	8.0	1.5	23.8	NA	NA	NA	0.8
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.2	4.2	-1.4	-86.6	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.2	3.8	0.0	31.7	NA	NA	NA	0.3
-4.4	8.0	-3.5	-85.3	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.2	5.7	0.3	-68.1	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.4
-4.2	6.5	-0.4	57.8	NA	NA	NA	0.5
-4.2	8.0	2.1	-61.4	NA	NA	NA	1.5
-4.5	4.8	0.6	-24.9	NA	NA	NA	0.5
-4.5	3.1	2.2	50.7	NA	NA	NA	1.1
-4.7	6.9	0.5	44.5	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.6	1.0	2.0	-26.2	NA	NA	NA	1.6
-5.0	0.5	2.2	84.7	NA	NA	NA	2.0
-5.2	1.1	0.3	53.5	NA	NA	NA	1.0
NA	NA	-1.1	NA	NA	NA	NA	1.8
NA	NA	0.7	NA	NA	NA	NA	1.0
-4.8	3.2	0.8	42.9	NA	NA	NA	1.0
-4.9	7.1	-0.3	19.9	NA	NA	NA	0.5
NA	NA	5.0	NA	NA	NA	NA	1.7
-4.4	1.9	-0.5	-105.2	NA	NA	NA	1.0
-5.1	2.4	0.1	36.5	-4.5	10.0	-25.5	1.4
-4.5	1.7	-0.1	134.4	NA	NA	NA	1.4
-4.4	2.3	0.2	-120.0	NA	NA	NA	1.2
-4.6	8.0	0.0	-65.2	NA	NA	NA	1.0
-5.3	0.5	-4.0	42.8	-4.6	10.0	-112.7	1.9
NA	NA	2.3	NA	NA	NA	NA	1.2
-4.8	4.9	-0.3	-99.9	NA	NA	NA	1.0
-4.3	8.0	0.8	-103.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.2
-4.3	8.0	-0.1	248.7	NA	NA	NA	1.0
-4.3	8.0	-0.1	-123.5	NA	NA	NA	1.0
-4.3	8.0	-0.8	-112.9	NA	NA	NA	1.0
-4.9	3.6	-0.4	6.1	NA	NA	NA	0.5
-4.3	8.0	0.1	238.8	NA	NA	NA	0.4
-4.3	4.3	0.9	-134.4	NA	NA	NA	1.0
-4.5	3.6	-2.3	-76.0	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.4	3.9	0.7	151.6	NA	NA	NA	0.5
-4.4	8.0	3.0	-85.3	NA	NA	NA	1.6
-4.3	8.0	2.4	-92.0	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.3	8.0	-0.2	60.4	NA	NA	NA	0.3
-4.3	8.0	1.8	-124.7	NA	NA	NA	1.0
-4.2	8.0	0.9	-103.6	NA	NA	NA	1.0
-4.2	4.9	0.6	-16.3	NA	NA	NA	1.0
-4.2	8.0	0.0	264.8	NA	NA	NA	1.0
-4.2	4.1	1.0	-138.6	NA	NA	NA	1.5
-4.7	1.0	0.4	-23.5	NA	NA	NA	1.0
-4.8	1.0	3.2	106.0	-4.1	9.9	24.3	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.8	1.1	0.8	88.4	-4.0	10.0	26.0	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.6
-4.4	3.5	-0.2	-37.5	NA	NA	NA	1.3
-4.8	5.8	-2.3	66.2	-4.5	10.0	-31.2	1.5
-4.9	3.1	-1.1	49.7	-4.6	9.4	3.2	1.2
NA	NA	-1.6	NA	NA	NA	NA	2.0
-4.6	8.0	-1.2	-65.6	NA	NA	NA	1.0
-4.8	5.3	-0.4	-9.7	NA	NA	NA	1.0
-4.4	4.1	0.9	65.4	NA	NA	NA	1.0
-4.7	6.6	0.6	-90.7	NA	NA	NA	1.2
-4.8	2.5	-0.2	-35.2	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.4
-4.8	1.8	-1.1	24.1	NA	NA	NA	1.0
NA	NA	-2.3	NA	NA	NA	NA	1.8
-5.0	6.7	-0.6	-75.8	NA	NA	NA	1.3
-5.1	7.7	0.2	-8.4	NA	NA	NA	1.0
-4.6	2.6	0.8	146.7	NA	NA	NA	1.0
-5.0	8.0	3.8	-97.4	NA	NA	NA	1.4
-4.8	4.9	-0.2	-26.7	NA	NA	NA	1.0
-4.7	1.9	2.1	112.2	NA	NA	NA	1.4
-4.7	2.4	1.4	123.7	NA	NA	NA	1.1
NA	NA	-1.0	NA	NA	NA	NA	0.8
-4.7	4.5	0.3	-37.5	NA	NA	NA	1.0
-4.7	1.8	0.1	81.1	-4.3	10.0	15.2	1.2
-4.6	2.4	0.1	102.9	-4.2	10.0	23.1	1.0
-4.4	5.2	-0.3	-42.7	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.3	8.0	0.3	42.4	NA	NA	NA	1.9
NA	NA	-0.3	NA	NA	NA	NA	0.9
NA	NA	-1.5	NA	NA	NA	NA	1.7
-5.0	6.3	-1.5	-83.4	NA	NA	NA	1.0
-5.1	8.0	0.4	-12.9	NA	NA	NA	1.0
-4.5	2.5	1.0	292.9	NA	NA	NA	1.0
-5.1	3.5	2.9	-102.7	NA	NA	NA	1.6
-4.1	2.2	0.6	-57.8	NA	NA	NA	1.4
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.0	3.5	0.7	75.7	NA	NA	NA	0.9
-4.2	4.1	-0.6	-63.8	NA	NA	NA	1.8
-4.6	6.4	1.1	-83.9	NA	NA	NA	1.0
-5.1	1.5	1.7	-28.6	NA	NA	NA	1.3
-4.4	8.0	-0.7	84.8	NA	NA	NA	1.1
-4.6	8.0	2.4	-108.7	-4.0	0.4	-84.8	1.2
-4.1	2.4	2.9	-89.9	NA	NA	NA	1.1
-5.2	2.6	-5.9	88.8	-4.5	5.4	-88.0	2.1
-5.2	2.8	-0.7	76.0	-4.6	10.0	-10.7	1.1
-4.3	3.8	0.9	-104.2	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.1	6.4	1.5	-98.1	NA	NA	NA	1.0
-4.4	1.7	1.7	-24.5	NA	NA	NA	1.0
-4.1	7.8	-0.3	138.7	NA	NA	NA	1.0
-4.6	4.2	3.4	-99.3	NA	NA	NA	1.7
-4.5	5.4	0.7	-91.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.7	-0.1	175.2	NA	NA	NA	0.4
-4.5	8.0	1.7	-98.4	NA	NA	NA	1.4
-4.4	2.7	-0.3	-88.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.1	2.9	0.4	217.6	NA	NA	NA	0.9
-4.7	3.9	-4.9	-94.3	NA	NA	NA	2.1
-4.4	5.6	1.7	-84.0	NA	NA	NA	1.1
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	4.4	-0.2	35.1	NA	NA	NA	0.3
-4.6	3.3	2.2	-105.1	NA	NA	NA	1.4
-4.4	0.9	2.7	-115.4	NA	NA	NA	1.1
-4.5	3.8	1.6	-30.4	-3.9	9.0	-10.1	0.9
-4.3	7.0	1.5	195.9	NA	NA	NA	1.0
-4.5	8.0	-5.3	-103.4	NA	NA	NA	1.7
NA	NA	-0.3	NA	NA	NA	NA	0.9
-4.4	0.8	-3.1	68.9	NA	NA	NA	1.3
-4.3	1.2	-0.9	51.6	NA	NA	NA	1.0
NA	NA	-4.1	NA	NA	NA	NA	1.7
-5.3	3.0	2.8	-86.8	NA	NA	NA	1.8
-6.7	6.2	-4.3	101.7	-6.5	10.0	-34.0	1.7
-6.7	8.0	-3.4	-21.5	-5.0	2.7	79.6	1.9
-5.4	0.9	1.5	-94.4	NA	NA	NA	1.9
-6.6	1.1	1.2	-66.1	NA	NA	NA	1.7
-7.9	2.8	-1.2	173.1	-7.3	5.1	-122.2	3.3
-7.5	0.6	-10.6	118.1	-7.3	10.0	-6.7	2.6
-7.6	2.5	-3.3	-96.5	NA	NA	NA	1.0
-7.4	3.7	1.7	53.3	-5.3	1.2	-71.3	1.8
NA	NA	-1.8	NA	NA	NA	NA	1.9
-7.4	3.7	-0.8	-22.3	-4.4	1.1	248.9	1.4
-4.9	0.6	-1.5	-129.7	NA	NA	NA	2.4
-5.9	0.6	6.3	-91.7	NA	NA	NA	2.1
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	1.0	1.7	176.3	NA	NA	NA	2.2
-6.8	8.0	12.1	-83.3	NA	NA	NA	2.6
-4.9	0.7	1.0	-107.0	NA	NA	NA	1.7
-7.7	3.2	-0.8	36.2	-7.3	10.0	11.4	1.7
-4.5	1.1	3.9	238.9	NA	NA	NA	2.0
-4.5	0.7	-7.8	-119.1	NA	NA	NA	2.4
-5.8	1.0	-0.4	-80.8	NA	NA	NA	1.5
NA	NA	-0.6	NA	NA	NA	NA	0.2

ga	gw	zr	tp	la	lw	bt	er
-4.7	0.9	-0.3	46.1	NA	NA	NA	0.3
-5.9	0.5	10.1	-107.0	NA	NA	NA	2.3
-5.3	2.8	-0.4	-73.2	NA	NA	NA	1.4
NA	NA	-3.6	NA	NA	NA	NA	1.1
-4.9	1.9	-0.6	168.3	NA	NA	NA	1.3
-5.4	0.7	4.0	-112.3	NA	NA	NA	2.1
NA	NA	-0.7	NA	NA	NA	NA	1.1
-4.2	2.1	-0.1	75.2	NA	NA	NA	1.6
-4.3	2.4	0.6	54.5	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.4
-4.5	4.8	0.3	-14.2	NA	NA	NA	0.5
-4.3	1.4	1.1	56.9	NA	NA	NA	1.7
-4.2	1.7	0.2	62.4	NA	NA	NA	1.1
NA	NA	1.2	NA	NA	NA	NA	1.7
-4.8	0.8	-0.3	23.6	NA	NA	NA	1.0
-5.4	0.6	-0.7	10.2	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
NA	NA	1.0	NA	NA	NA	NA	1.9
-4.4	1.4	-0.6	-95.2	NA	NA	NA	1.5
-5.0	2.7	0.4	64.6	-4.5	9.4	-35.0	1.0
-5.0	3.6	-0.3	71.2	-4.7	10.0	11.8	1.0
-4.4	8.0	-0.5	-92.3	NA	NA	NA	1.4
-4.4	4.9	-0.3	-65.9	NA	NA	NA	1.0
-4.8	2.4	-2.1	21.8	-4.2	10.0	-21.9	1.3
-4.6	2.3	-0.8	46.3	NA	NA	NA	1.0
-4.4	8.0	-0.3	-70.4	NA	NA	NA	1.4
-4.3	8.0	-0.2	-38.8	NA	NA	NA	1.1
NA	NA	-1.5	NA	NA	NA	NA	0.7
-4.1	8.0	0.1	24.1	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.9
NA	NA	1.8	NA	NA	NA	NA	1.1
-4.3	3.8	0.4	116.4	NA	NA	NA	2.2
-4.1	2.9	0.8	55.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.1	1.3	-0.4	168.6	NA	NA	NA	1.0
-4.6	1.4	0.7	59.6	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	1.2
-4.5	1.2	-1.7	9.2	NA	NA	NA	1.0
-4.3	2.6	-0.4	32.9	NA	NA	NA	0.5
-4.3	2.4	-0.1	18.8	NA	NA	NA	0.4
NA	NA	0.1	NA	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.9
-4.9	1.7	0.3	43.3	NA	NA	NA	1.0
-4.3	1.2	0.2	65.3	NA	NA	NA	0.9
NA	NA	-3.1	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.5	NA	NA	NA	NA	0.9
-4.3	2.2	0.4	49.5	NA	NA	NA	0.5
-4.3	2.2	0.3	20.0	NA	NA	NA	0.3
NA	NA	1.0	NA	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	0.7
-4.2	2.0	-0.1	66.0	NA	NA	NA	1.0
-4.2	2.0	0.6	46.5	NA	NA	NA	1.0
NA	NA	1.6	NA	NA	NA	NA	1.2
NA	NA	0.3	NA	NA	NA	NA	1.3
-4.5	4.1	-0.2	56.3	NA	NA	NA	1.6
NA	NA	0.7	NA	NA	NA	NA	0.6
NA	NA	-4.3	NA	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.6	2.2	-1.2	73.8	NA	NA	NA	1.0
-4.7	1.9	0.2	40.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.6
NA	NA	-2.8	NA	NA	NA	NA	1.0
-4.5	2.0	-0.4	44.9	NA	NA	NA	1.0
-4.5	1.8	0.7	35.1	NA	NA	NA	0.9
NA	NA	3.9	NA	NA	NA	NA	1.9
-6.1	0.7	0.9	-11.2	NA	NA	NA	1.0
-6.1	1.7	1.6	58.9	NA	NA	NA	1.8
-6.1	1.2	-0.6	53.1	NA	NA	NA	1.5
NA	NA	-1.0	NA	NA	NA	NA	1.6
-4.8	4.3	-0.3	-37.0	NA	NA	NA	1.0
-4.8	8.0	3.4	59.9	NA	NA	NA	1.6
-4.8	8.0	2.4	79.3	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.6
NA	NA	-0.9	NA	NA	NA	NA	1.3
-4.5	2.1	-3.9	59.3	NA	NA	NA	1.3
-4.6	3.1	-0.8	44.1	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	0.8
-4.6	2.1	1.1	69.0	NA	NA	NA	1.0
-4.7	1.9	0.3	63.9	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.1
NA	NA	-0.6	NA	NA	NA	NA	1.4
-4.8	8.0	-0.1	34.4	NA	NA	NA	1.3
-4.8	8.0	-0.7	48.4	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.3
-5.8	2.7	1.2	-19.3	NA	NA	NA	1.0
-5.9	5.6	1.8	89.2	-5.0	1.7	-200.5	1.5
-6.1	4.9	-0.2	23.0	-5.0	1.3	-83.8	1.1
-5.4	3.7	3.8	-46.0	NA	NA	NA	2.5
-4.5	2.1	-0.4	-77.6	NA	NA	NA	1.3
-4.9	8.0	1.4	66.3	-4.7	9.9	10.7	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	0.3	125.4	NA	NA	NA	1.0
-4.5	1.9	-1.8	-66.8	NA	NA	NA	1.6
-4.9	3.2	0.4	-85.1	NA	NA	NA	1.0
-5.4	1.7	0.0	41.5	-4.8	10.0	-31.9	1.2
-5.1	1.6	-0.1	58.8	NA	NA	NA	1.2
-4.9	2.5	0.8	-99.3	NA	NA	NA	1.4
-4.7	3.8	1.8	-45.7	NA	NA	NA	1.3
NA	NA	1.2	NA	NA	NA	NA	0.3
-4.7	7.7	-0.7	42.4	NA	NA	NA	1.0
-4.8	2.3	0.3	-77.9	NA	NA	NA	1.3
-4.8	8.0	0.4	-84.5	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.4	2.8	-0.1	147.5	NA	NA	NA	0.4
-4.8	2.2	1.2	-117.5	NA	NA	NA	1.2
-4.4	3.6	0.5	-72.7	NA	NA	NA	1.4
NA	NA	0.4	NA	NA	NA	NA	0.0
-4.5	5.7	0.4	47.4	NA	NA	NA	0.5
-4.6	8.0	-4.5	-66.5	NA	NA	NA	1.9
-4.8	8.0	0.6	-78.0	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	4.4	-0.1	25.7	NA	NA	NA	0.3
-4.8	3.6	-0.6	-103.4	NA	NA	NA	1.4
-4.4	3.8	0.7	-96.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.4
-4.3	4.0	-0.4	134.3	NA	NA	NA	1.0
-4.6	2.3	-0.3	-121.5	NA	NA	NA	1.4
NA	NA	-1.3	NA	NA	NA	NA	1.3
-5.0	5.3	-6.2	24.1	NA	NA	NA	1.9
-4.5	2.4	-1.9	47.4	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.2
-6.1	8.0	2.0	-4.0	NA	NA	NA	1.0
-5.9	1.4	0.9	76.0	-4.7	4.5	6.6	1.0
-6.1	2.8	0.4	41.2	-4.7	3.7	3.0	1.0
NA	NA	5.6	NA	NA	NA	NA	1.3
-6.1	2.1	0.0	-12.6	NA	NA	NA	1.0
-6.1	1.6	-1.7	66.9	-4.7	5.4	-0.2	1.0
-6.1	1.8	-0.3	54.5	-4.7	5.8	4.8	1.0
NA	NA	9.7	NA	NA	NA	NA	2.1
-4.6	3.4	0.4	-109.1	NA	NA	NA	1.0
-5.2	2.3	0.4	38.2	-4.7	10.0	-13.0	1.1
-4.6	1.3	0.2	98.7	NA	NA	NA	1.0
-4.5	4.8	0.9	-136.7	NA	NA	NA	1.1
-4.4	8.0	-0.3	-68.9	NA	NA	NA	1.0
-5.2	1.7	3.6	51.9	-4.3	3.4	-132.0	2.1
-4.4	8.0	3.6	-39.8	NA	NA	NA	1.9
-4.5	2.3	-5.0	-126.4	NA	NA	NA	2.1

ga	gw	zr	tp	la	lw	bt	er
-4.5	4.7	0.1	-61.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.3
-4.5	6.2	0.4	58.3	NA	NA	NA	1.0
-4.5	4.2	0.7	-119.6	NA	NA	NA	1.4
-4.5	6.5	0.0	-115.3	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.5	6.5	0.2	193.9	NA	NA	NA	0.4
-4.5	4.5	2.0	-134.8	NA	NA	NA	1.2
-4.5	4.2	0.1	-105.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.5	5.6	0.2	45.0	NA	NA	NA	0.3
-4.6	2.9	-0.4	-130.1	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	0.8
-4.5	2.4	6.3	50.0	NA	NA	NA	1.7
-4.5	3.9	6.6	39.2	NA	NA	NA	1.6
NA	NA	2.1	NA	NA	NA	NA	1.3
-6.2	0.8	-0.4	-36.8	-5.0	10.0	-3.0	0.9
-6.8	1.0	-1.5	112.7	-5.3	3.0	4.2	1.1
-7.1	1.4	-0.4	82.8	-5.1	10.0	7.7	1.1
-5.9	1.4	-1.7	-76.9	-5.0	9.9	-22.1	1.6
-4.5	1.1	0.6	19.0	NA	NA	NA	1.0
-4.3	1.8	0.8	79.9	NA	NA	NA	1.0
-4.3	2.1	0.0	31.6	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.3
-4.3	1.3	-1.6	34.9	NA	NA	NA	1.0
-4.2	1.6	-0.7	391.8	NA	NA	NA	2.1
-4.5	1.5	-0.3	70.9	NA	NA	NA	1.2
NA	NA	-2.2	NA	NA	NA	NA	1.8
-4.3	1.5	-0.9	51.2	NA	NA	NA	1.0
-4.3	1.2	0.2	545.4	NA	NA	NA	1.3
-4.4	1.1	0.4	235.0	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	2.0
-4.3	0.9	1.8	14.8	NA	NA	NA	1.0
-4.3	1.2	0.3	138.2	NA	NA	NA	0.5
-4.3	1.3	-0.2	68.8	NA	NA	NA	0.4
NA	NA	-3.0	NA	NA	NA	NA	0.8
-4.7	8.0	2.3	12.7	NA	NA	NA	1.0
-4.6	1.1	0.6	202.4	NA	NA	NA	1.0
-4.3	1.1	-0.5	198.8	NA	NA	NA	0.9
NA	NA	-1.1	NA	NA	NA	NA	1.0
-4.4	3.5	-0.8	31.5	NA	NA	NA	1.0
-4.1	1.0	0.0	145.5	NA	NA	NA	0.5
-4.4	1.5	0.3	53.8	NA	NA	NA	0.3
NA	NA	-1.6	NA	NA	NA	NA	1.3
-4.4	1.1	-0.4	11.7	NA	NA	NA	1.0
-4.4	1.2	-0.1	317.2	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.3	1.2	0.2	163.0	NA	NA	NA	1.0
NA	NA	-2.4	NA	NA	NA	NA	2.1
NA	NA	-0.4	NA	NA	NA	NA	0.7
-4.3	2.0	0.2	92.6	NA	NA	NA	1.4
-4.4	1.8	0.0	49.3	NA	NA	NA	1.2
NA	NA	0.0	NA	NA	NA	NA	1.4
-4.3	1.2	2.0	49.0	NA	NA	NA	1.3
-4.0	1.0	0.7	513.3	NA	NA	NA	2.1
-4.2	1.1	0.2	160.3	NA	NA	NA	1.2
NA	NA	2.6	NA	NA	NA	NA	1.3
-4.3	2.9	0.6	61.6	NA	NA	NA	1.0
-4.1	0.9	-0.3	591.1	NA	NA	NA	1.7
-4.3	1.0	-0.3	284.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	2.1
-4.6	4.1	-1.4	10.1	NA	NA	NA	1.0
-4.4	1.7	-0.3	153.7	NA	NA	NA	0.5
-4.3	1.4	0.2	94.3	NA	NA	NA	0.4
NA	NA	0.6	NA	NA	NA	NA	1.1
-4.3	1.6	0.6	22.0	NA	NA	NA	1.4
-4.3	0.9	-0.2	217.0	NA	NA	NA	1.0
-4.5	1.0	-0.1	122.0	NA	NA	NA	0.9
NA	NA	-2.0	NA	NA	NA	NA	2.1
-4.3	2.2	0.0	43.0	NA	NA	NA	1.3
-4.1	1.0	0.1	194.7	NA	NA	NA	0.5
-4.3	1.2	0.2	64.7	NA	NA	NA	0.3
NA	NA	-0.7	NA	NA	NA	NA	1.1
-4.4	1.0	1.0	17.6	NA	NA	NA	1.1
-4.1	1.0	0.2	329.6	NA	NA	NA	1.2
-4.2	1.1	0.4	169.3	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.7
-4.3	5.9	0.8	-39.7	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.0
-4.3	4.6	0.3	32.5	NA	NA	NA	0.9
NA	NA	-2.4	NA	NA	NA	NA	1.8
NA	NA	1.2	NA	NA	NA	NA	0.6
-4.8	3.4	-1.3	28.7	NA	NA	NA	1.7
NA	NA	-2.1	NA	NA	NA	NA	1.1
NA	NA	1.2	NA	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.1	3.9	-0.4	78.2	NA	NA	NA	1.5
-4.2	3.4	0.5	41.2	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.7
-4.4	1.5	1.4	-25.1	NA	NA	NA	1.0
-4.5	0.9	0.1	66.9	NA	NA	NA	1.7
-4.4	1.1	-1.3	72.3	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.3	NA	NA	NA	NA	0.9
-4.8	8.0	1.7	42.6	-4.3	2.3	-37.3	1.0
-4.4	8.0	2.6	-64.3	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	1.0
-4.6	7.9	2.0	63.0	-4.0	1.8	9.9	1.2
-4.6	3.9	1.0	29.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.3	3.3	-0.2	23.2	NA	NA	NA	0.7
-6.0	8.0	0.3	71.7	-5.7	10.0	-61.0	2.1
-6.0	8.0	-0.4	35.2	-5.5	10.0	-32.2	1.2
-6.0	2.8	-1.6	-40.1	NA	NA	NA	1.3
-5.7	1.6	0.9	-33.7	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.3
-5.6	6.5	0.0	11.6	-5.0	2.3	0.8	1.0
NA	NA	-0.3	NA	NA	NA	NA	2.1
-5.2	1.7	-1.1	-29.6	NA	NA	NA	1.0
-5.3	1.5	2.0	92.8	NA	NA	NA	1.6
-5.0	1.1	1.7	124.2	NA	NA	NA	1.4
NA	NA	2.6	NA	NA	NA	NA	1.1
-4.8	1.5	0.6	-45.8	NA	NA	NA	1.0
-5.3	2.3	1.0	84.3	NA	NA	NA	1.3
-5.1	1.9	0.7	115.2	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	0.9
NA	NA	-0.1	NA	NA	NA	NA	2.0
-4.4	2.6	-8.2	-114.7	NA	NA	NA	2.4
-6.4	8.0	-2.5	41.3	-5.7	1.3	-22.7	2.0
-4.7	8.0	0.8	-93.7	NA	NA	NA	1.8
-4.6	1.6	-0.8	-41.4	NA	NA	NA	1.0
-4.7	8.0	0.3	16.9	NA	NA	NA	1.0
-4.9	7.9	1.2	35.1	NA	NA	NA	1.0
NA	NA	-3.5	NA	NA	NA	NA	1.7
-5.5	0.7	0.6	-22.7	NA	NA	NA	1.0
-5.9	2.1	3.1	72.6	-4.2	10.0	17.4	1.7
-5.7	1.4	1.3	77.7	-4.0	10.0	23.2	1.2
NA	NA	0.8	NA	NA	NA	NA	1.5
-4.2	1.5	-0.3	-51.7	NA	NA	NA	1.0
-4.8	1.3	-1.9	42.0	-4.2	10.0	0.3	1.0
-4.9	2.4	0.0	29.6	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.8
-4.3	2.5	-0.4	-66.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
-4.2	6.6	0.6	44.9	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.0
-4.4	0.9	-0.5	-34.2	NA	NA	NA	1.1
-5.0	1.1	0.4	44.7	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-5.2	1.6	1.7	39.1	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	1.6
-4.4	3.7	0.8	-46.7	NA	NA	NA	1.3
NA	NA	1.7	NA	NA	NA	NA	1.1
-4.3	2.6	0.7	65.2	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.2
-4.5	5.8	1.4	-29.8	NA	NA	NA	1.0
-4.7	2.2	2.1	75.4	-4.1	10.0	18.2	1.8
-4.7	2.5	-1.8	60.6	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	1.0
-4.2	8.0	-3.0	31.1	NA	NA	NA	1.4
-4.1	5.7	-1.7	58.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.6
-5.6	1.9	-1.6	-34.3	-4.9	10.0	-0.1	1.3
-5.5	1.6	1.0	102.7	-4.9	9.7	-34.3	1.9
-5.4	2.9	2.1	128.5	-4.9	6.0	-23.6	1.9
NA	NA	0.0	NA	NA	NA	NA	1.8
-4.5	5.1	2.0	-17.6	NA	NA	NA	1.1
-4.8	2.5	3.8	153.3	-4.3	9.4	-59.0	1.8
-4.7	2.1	1.9	106.0	-4.3	10.0	0.4	1.1
-4.2	3.0	0.1	-122.0	NA	NA	NA	1.6
-5.8	0.8	0.4	14.4	-4.7	9.9	-17.7	1.4
-4.3	1.4	0.1	157.7	-4.1	10.0	26.0	1.2
-4.7	8.0	-0.5	164.3	-4.4	10.0	29.3	1.0
NA	NA	1.8	NA	NA	NA	NA	2.3
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.2	2.7	-1.3	65.7	NA	NA	NA	1.5
-4.1	6.3	-0.1	43.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
-5.8	8.0	-0.3	-12.5	-4.4	1.7	13.2	0.9
-5.7	0.9	1.5	60.0	-4.8	5.0	5.0	1.4
-5.7	1.0	1.1	55.5	-4.8	4.4	5.4	1.0
-4.8	1.3	3.0	-64.2	NA	NA	NA	1.1
-5.9	1.5	0.2	-21.7	-4.7	10.0	12.2	1.1
-5.7	1.5	-2.8	67.1	-4.8	2.9	-90.1	1.5
-5.6	1.2	-1.7	75.7	-4.8	4.5	-29.4	1.0
-5.0	3.3	2.1	-89.0	NA	NA	NA	1.3
-4.7	2.1	-0.6	-55.3	NA	NA	NA	1.0
-4.7	4.5	0.6	145.6	NA	NA	NA	1.0
-4.7	3.8	1.0	209.1	NA	NA	NA	1.0
-4.7	2.5	-0.2	-52.5	NA	NA	NA	1.6
NA	NA	0.9	NA	NA	NA	NA	0.6
-4.5	2.5	-1.4	63.3	NA	NA	NA	1.4
-4.7	3.2	-1.2	31.8	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	0.2	NA	NA	NA	NA	1.4
-4.5	1.1	1.3	91.2	NA	NA	NA	1.8
-4.5	1.2	0.0	78.9	NA	NA	NA	1.7
NA	NA	1.6	NA	NA	NA	NA	1.0
-4.6	2.7	0.8	-49.3	NA	NA	NA	1.0
-4.6	8.0	0.2	-27.8	NA	NA	NA	1.2
-4.9	1.5	-0.9	27.3	-4.7	10.0	-0.8	1.0
-4.2	8.0	0.6	-86.2	NA	NA	NA	1.3
-5.0	8.0	-0.1	-11.2	NA	NA	NA	1.0
-4.6	2.5	-0.6	140.5	-4.1	10.0	-77.4	1.5
-4.7	2.8	-0.9	104.1	-4.3	10.0	4.2	1.4
-4.3	8.0	-0.8	-94.8	NA	NA	NA	1.3
-4.4	5.1	1.5	-77.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	3.9	-0.2	65.3	NA	NA	NA	0.4
-4.2	8.0	-1.9	-119.2	NA	NA	NA	1.4
-4.6	5.2	1.8	-34.4	NA	NA	NA	1.3
NA	NA	0.9	NA	NA	NA	NA	0.3
-4.4	3.5	-0.1	50.3	NA	NA	NA	0.9
-4.7	8.0	3.3	-82.1	NA	NA	NA	1.9
NA	NA	0.2	NA	NA	NA	NA	1.2
-4.3	2.6	2.2	64.1	NA	NA	NA	1.4
-4.4	1.7	-0.3	49.7	NA	NA	NA	1.0
NA	NA	-7.6	NA	NA	NA	NA	2.1
NA	NA	-0.4	NA	NA	NA	NA	0.8
-4.9	3.0	0.4	21.4	NA	NA	NA	1.4
NA	NA	2.4	NA	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.9	5.5	6.8	48.8	NA	NA	NA	2.1
-4.6	2.3	0.8	59.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.3	8.0	-1.6	-20.8	NA	NA	NA	0.8
-4.4	1.1	-3.7	86.3	NA	NA	NA	1.6
-4.4	1.4	-0.3	64.3	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.5
NA	NA	-1.1	NA	NA	NA	NA	0.9
-4.1	0.8	-2.3	60.9	NA	NA	NA	1.9
-4.2	1.5	1.7	47.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.2
-5.8	2.6	0.2	-23.2	-4.0	10.0	-4.8	0.8
-4.9	0.6	-4.2	165.9	NA	NA	NA	2.0
-5.4	1.2	-1.1	103.6	NA	NA	NA	1.2
NA	NA	2.4	NA	NA	NA	NA	1.9
-4.3	2.9	2.0	-30.6	NA	NA	NA	1.0
-4.8	8.0	0.6	33.1	-4.4	7.6	-9.4	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.9	8.0	0.2	31.1	-4.5	2.5	1.6	1.0
NA	NA	-0.6	NA	NA	NA	NA	2.3
-5.4	3.7	0.3	-11.7	NA	NA	NA	0.8
-5.4	6.9	0.5	24.4	-4.3	3.3	-19.8	1.0
-5.0	1.5	0.6	47.3	-4.5	10.0	1.5	1.0
NA	NA	-1.4	NA	NA	NA	NA	2.1
-4.4	1.4	-2.8	-48.6	NA	NA	NA	1.0
-5.1	6.4	9.1	27.8	NA	NA	NA	1.5
-4.9	2.5	7.4	45.5	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	1.3
-4.2	4.0	-1.2	-99.3	NA	NA	NA	1.0
NA	NA	-4.4	NA	NA	NA	NA	1.5
-4.2	6.8	-0.7	70.0	NA	NA	NA	1.0
-4.2	4.7	-7.7	-104.7	NA	NA	NA	2.0
-4.2	6.1	-1.8	-75.1	NA	NA	NA	1.5
-4.4	4.7	-1.1	-21.1	NA	NA	NA	1.0
-4.2	8.0	-0.3	73.7	NA	NA	NA	1.0
-4.7	4.4	-5.1	-82.0	NA	NA	NA	2.0
-4.2	5.0	-0.2	-97.7	NA	NA	NA	1.1
NA	NA	-0.4	NA	NA	NA	NA	0.0
-4.2	5.5	-0.9	149.8	NA	NA	NA	0.9
-4.3	2.4	-1.2	-128.2	NA	NA	NA	2.2
-4.2	3.5	-3.4	-89.4	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.2	4.5	0.2	25.1	NA	NA	NA	0.3
-4.3	6.6	-1.6	-93.9	NA	NA	NA	1.0
-4.1	3.4	-0.8	-103.3	NA	NA	NA	1.0
-4.1	3.2	-0.1	-25.7	NA	NA	NA	1.0
-4.1	5.0	-0.3	154.9	NA	NA	NA	1.0
-4.1	3.5	1.0	-126.0	NA	NA	NA	1.4
-4.4	1.7	-2.0	-78.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.6
-4.2	2.4	0.7	114.0	NA	NA	NA	1.3
NA	NA	-1.3	NA	NA	NA	NA	0.9
-4.7	8.0	1.1	-17.6	NA	NA	NA	1.0
-4.6	1.7	3.0	89.5	-4.1	10.0	-11.7	1.8
-4.7	1.8	1.4	97.7	-4.1	10.0	10.7	1.2
-4.3	8.0	2.9	-48.9	NA	NA	NA	1.5
-4.5	8.0	-1.0	-23.7	NA	NA	NA	1.0
-4.2	8.0	-0.8	36.0	NA	NA	NA	1.0
-4.2	7.4	0.0	41.0	NA	NA	NA	0.5
NA	NA	4.0	NA	NA	NA	NA	2.6
-4.4	3.7	-1.1	-37.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.2	2.9	-0.3	33.6	NA	NA	NA	1.0
NA	NA	-5.0	NA	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-1.5	NA	NA	NA	NA	0.7
-4.8	6.4	0.8	39.1	NA	NA	NA	1.1
-4.7	3.3	1.0	49.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.7	4.0	2.0	31.2	NA	NA	NA	1.8
-4.2	2.0	0.6	42.6	NA	NA	NA	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.6
NA	NA	1.6	NA	NA	NA	NA	0.9
-4.0	1.0	3.1	119.6	NA	NA	NA	2.1
-4.2	2.8	1.0	79.0	NA	NA	NA	1.1
NA	NA	0.8	NA	NA	NA	NA	1.6
-4.5	3.4	2.5	-34.5	NA	NA	NA	1.0
-4.5	3.9	-1.4	36.6	NA	NA	NA	1.0
-4.4	2.9	-1.1	53.8	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.9
-5.4	8.0	-0.3	-18.9	NA	NA	NA	1.0
-5.1	0.7	-1.3	67.9	-4.0	10.0	22.4	1.9
-5.2	1.2	-0.2	70.0	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	1.7
-4.3	3.1	1.1	-18.9	NA	NA	NA	1.2
-4.5	4.0	0.0	68.2	NA	NA	NA	1.0
-4.4	3.1	-0.2	69.4	NA	NA	NA	0.9
NA	NA	-0.3	NA	NA	NA	NA	2.0
NA	NA	1.1	NA	NA	NA	NA	0.8
-4.6	0.8	0.2	79.7	-4.1	10.0	14.4	1.9
-4.5	0.9	-0.4	76.1	-4.1	10.0	12.8	1.0
NA	NA	-3.2	NA	NA	NA	NA	1.7
-4.2	1.0	0.5	-62.2	NA	NA	NA	1.0
-5.5	1.4	0.1	17.1	-4.8	4.0	-6.6	1.0
-4.0	0.6	-0.9	32.0	NA	NA	NA	1.0
NA	NA	-1.7	NA	NA	NA	NA	1.7
NA	NA	0.5	NA	NA	NA	NA	0.9
-4.9	8.0	1.0	14.6	NA	NA	NA	1.4
-4.7	1.8	-1.6	23.3	NA	NA	NA	1.1
NA	NA	2.3	NA	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	0.9
-4.9	0.4	-1.9	41.4	NA	NA	NA	2.0
-4.2	2.5	0.7	62.7	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.4
-4.7	1.8	1.7	-36.5	NA	NA	NA	1.3
-4.8	3.1	-1.1	82.0	-4.4	5.6	29.9	1.3
-4.8	2.2	-1.2	85.2	-4.2	9.7	20.0	1.2
NA	NA	-1.3	NA	NA	NA	NA	1.9
-4.2	4.2	1.4	-45.4	NA	NA	NA	1.0
-4.6	8.0	0.4	64.3	-3.9	1.3	-34.3	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.6	8.0	0.4	22.0	-4.0	1.1	1.7	0.5
-4.1	6.2	1.1	-106.6	NA	NA	NA	1.2
-4.6	4.4	1.1	-24.5	NA	NA	NA	1.0
-4.9	4.3	-0.1	45.1	-4.4	6.0	3.4	1.0
-4.9	8.0	-0.7	29.4	-4.3	1.7	-9.8	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.3
NA	NA	0.6	NA	NA	NA	NA	0.1
-4.8	8.0	-0.2	19.6	NA	NA	NA	0.9
NA	NA	-16.8	NA	NA	NA	NA	2.3
NA	NA	-1.4	NA	NA	NA	NA	1.3
-5.8	0.9	-2.4	52.4	-5.6	10.0	22.4	2.2
-4.5	0.4	-2.6	37.4	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	1.4
-4.7	2.9	-0.4	-77.5	NA	NA	NA	1.2
-5.3	2.9	-1.5	-29.7	NA	NA	NA	1.3
-5.6	2.2	-0.3	-15.4	-4.4	5.2	55.5	1.0
-4.8	8.0	0.2	-94.0	NA	NA	NA	1.2
-4.7	5.7	-0.4	-59.7	NA	NA	NA	1.2
-4.5	3.2	-3.6	-119.7	NA	NA	NA	1.8
-5.0	8.0	-2.0	33.1	-4.6	10.0	-18.2	1.0
-4.7	8.0	1.4	-93.9	NA	NA	NA	1.4
-4.4	1.9	0.5	-103.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	3.4	0.0	82.7	NA	NA	NA	0.4
-4.7	7.4	0.6	-111.4	-4.1	0.4	-87.9	0.9
-4.5	1.9	0.1	-65.5	NA	NA	NA	1.2
-4.5	6.4	-0.2	28.3	NA	NA	NA	1.0
-4.4	2.9	-0.2	108.6	NA	NA	NA	0.9
-4.3	2.1	0.8	-130.0	NA	NA	NA	1.6
-4.4	2.0	-1.4	-94.6	NA	NA	NA	1.3
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.4	5.2	-0.2	31.1	NA	NA	NA	0.3
-4.3	7.4	-0.6	-95.5	NA	NA	NA	1.4
-4.3	2.2	1.3	-76.7	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.3
-4.2	5.9	0.5	95.4	NA	NA	NA	1.0
-4.3	8.0	2.0	-95.9	NA	NA	NA	1.2
NA	NA	-1.6	NA	NA	NA	NA	0.9
-4.6	8.0	-2.0	19.4	NA	NA	NA	2.2
-4.4	3.8	2.6	36.2	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.6
NA	NA	1.8	NA	NA	NA	NA	0.9
-4.1	8.0	2.3	66.5	NA	NA	NA	1.1
-4.1	7.4	1.1	25.2	NA	NA	NA	0.5
NA	NA	-0.3	NA	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-6.7	8.0	2.0	-29.3	NA	NA	NA	1.6
-6.6	8.0	2.7	-30.2	-5.3	5.0	62.4	2.0
-5.1	7.9	-1.4	99.7	-4.7	9.9	30.0	2.0
-6.4	8.0	3.4	42.8	-5.1	10.0	4.5	1.7
NA	NA	-0.6	NA	NA	NA	NA	1.1
-4.4	8.0	4.7	-73.3	NA	NA	NA	2.1
-7.1	4.3	0.3	23.0	-5.8	2.3	-2.0	1.3
NA	NA	-1.2	NA	NA	NA	NA	2.3
-6.8	2.0	0.7	-32.4	-6.1	10.0	-1.7	1.2
-5.9	7.8	1.2	29.3	-4.8	10.0	9.3	1.0
-7.4	8.0	0.0	16.5	-4.2	1.4	-3.5	1.1
-6.9	8.0	-2.5	-80.4	-5.8	1.4	3.1	2.0
NA	NA	0.0	NA	NA	NA	NA	0.7
-4.3	1.2	-1.3	75.1	NA	NA	NA	1.4
-4.3	1.5	-0.7	66.0	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	2.1
NA	NA	-1.1	NA	NA	NA	NA	0.9
-4.8	8.0	1.1	21.4	NA	NA	NA	1.1
-4.8	8.0	0.9	31.1	-4.1	10.0	1.4	1.0
NA	NA	1.7	NA	NA	NA	NA	0.8
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.6	0.8	0.2	63.7	NA	NA	NA	1.4
-4.8	5.5	1.5	37.5	NA	NA	NA	1.0
NA	NA	1.8	NA	NA	NA	NA	1.9
NA	NA	-0.3	NA	NA	NA	NA	0.1
-4.7	1.5	0.6	138.2	NA	NA	NA	1.3
-4.6	3.2	2.7	55.4	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.5
NA	NA	-1.0	NA	NA	NA	NA	0.7
-4.6	1.0	-1.0	101.2	NA	NA	NA	1.0
-4.7	1.1	0.8	69.1	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.4
NA	NA	-1.4	NA	NA	NA	NA	0.0
-5.0	1.8	-0.2	20.1	NA	NA	NA	0.5
-4.7	1.8	0.4	24.0	NA	NA	NA	0.4
NA	NA	-0.6	NA	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.9
-4.6	1.4	-0.3	70.9	NA	NA	NA	1.0
-4.7	1.7	0.5	42.1	NA	NA	NA	0.9
NA	NA	-0.9	NA	NA	NA	NA	2.0
NA	NA	1.7	NA	NA	NA	NA	0.8
-4.6	1.4	0.7	79.5	NA	NA	NA	1.0
-4.6	1.3	0.5	51.7	NA	NA	NA	1.0
NA	NA	-1.5	NA	NA	NA	NA	1.6
NA	NA	-0.2	NA	NA	NA	NA	0.7
-5.3	1.6	-6.3	22.6	NA	NA	NA	1.6



ga	gw	zr	tp	la	lw	bt	er
-4.7	1.7	-1.9	19.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
-4.7	1.7	-2.5	-58.8	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.5
-4.6	1.4	4.1	38.5	NA	NA	NA	1.4
NA	NA	-1.0	NA	NA	NA	NA	0.9
-4.6	1.0	1.6	-55.6	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.9
-5.3	2.1	-0.5	10.1	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.3
-4.6	2.1	-0.6	-63.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	1.7	0.3	41.3	NA	NA	NA	0.4
NA	NA	1.9	NA	NA	NA	NA	0.6
-4.5	4.8	-3.7	-38.6	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.0
-4.1	0.8	0.3	31.7	NA	NA	NA	0.9
NA	NA	3.8	NA	NA	NA	NA	1.5
-4.5	1.1	0.6	-29.3	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.4	1.0	-0.9	21.1	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	1.8
-4.5	1.1	1.0	-34.2	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.0
-4.4	1.2	0.1	16.7	NA	NA	NA	0.4
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.2	4.8	0.3	-24.0	NA	NA	NA	1.0
-4.2	3.6	0.6	82.6	NA	NA	NA	1.2
-4.2	4.0	0.1	85.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.9
-4.2	3.5	-1.7	-29.3	NA	NA	NA	1.2
-4.2	7.5	1.4	77.9	NA	NA	NA	1.3
-4.2	5.0	1.3	82.9	NA	NA	NA	1.1
NA	NA	-0.8	NA	NA	NA	NA	1.2
-4.2	5.0	0.2	-29.8	NA	NA	NA	1.0
-4.1	1.9	-0.5	97.4	NA	NA	NA	1.6
-4.1	1.8	-0.7	92.9	NA	NA	NA	1.4
NA	NA	0.0	NA	NA	NA	NA	1.1
NA	NA	-0.3	NA	NA	NA	NA	0.8
-5.6	1.6	0.3	35.4	NA	NA	NA	1.6
-5.6	1.2	-0.8	29.5	NA	NA	NA	1.3
NA	NA	-1.0	NA	NA	NA	NA	1.7
-4.7	5.4	-0.3	19.8	-4.5	0.4	7.8	1.0
-6.0	1.5	1.5	19.4	-4.7	5.7	-28.5	1.4
-6.1	2.1	1.4	18.6	-4.8	9.8	-21.2	1.2
NA	NA	-1.2	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-5.0	8.0	-0.6	40.1	NA	NA	NA	1.2
-6.0	1.5	-1.0	106.0	-5.0	2.5	-138.0	2.4
-5.9	2.0	-0.2	75.0	-5.1	3.8	-55.1	1.5
-4.4	3.5	1.9	-87.6	NA	NA	NA	1.3
-4.5	5.2	-0.7	-48.5	NA	NA	NA	1.0
-5.4	8.0	-0.1	10.0	-3.9	1.1	-19.8	0.5
-4.4	1.3	0.0	29.1	NA	NA	NA	0.4
-4.6	0.7	2.9	-87.7	NA	NA	NA	1.3
-5.6	4.4	-0.6	-48.8	-4.4	10.0	20.9	0.6
-5.3	2.2	0.7	293.3	-4.8	4.6	-13.5	1.0
-5.4	3.0	1.5	401.1	-4.8	4.6	-15.4	1.0
NA	NA	1.4	NA	NA	NA	NA	2.2
-5.0	1.9	-0.6	-26.0	NA	NA	NA	1.0
-5.0	6.3	1.2	51.2	NA	NA	NA	1.0
-4.8	2.1	0.7	61.7	NA	NA	NA	1.0
NA	NA	-1.3	NA	NA	NA	NA	0.8
-5.3	8.0	0.1	-15.2	NA	NA	NA	1.0
-5.1	5.2	1.2	86.1	-4.8	9.4	42.9	1.3
-5.3	7.9	1.1	50.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.7
-5.8	7.9	0.9	-6.8	NA	NA	NA	1.0
-5.5	8.0	0.4	42.9	-5.3	10.0	6.3	1.0
-5.6	8.0	-0.6	36.7	-5.4	10.0	7.7	1.0
NA	NA	-0.2	NA	NA	NA	NA	2.0
-4.5	3.7	-2.0	-36.5	NA	NA	NA	1.5
-4.7	4.2	0.3	67.7	NA	NA	NA	1.6
-4.6	4.6	1.3	83.8	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.1
NA	NA	3.8	NA	NA	NA	NA	1.8
-4.3	1.3	7.8	89.9	NA	NA	NA	2.0
-4.3	1.4	0.7	66.1	NA	NA	NA	1.0
NA	NA	3.2	NA	NA	NA	NA	1.5
NA	NA	-2.4	NA	NA	NA	NA	1.4
-5.0	3.1	0.1	52.3	NA	NA	NA	1.0
-5.1	6.6	0.8	39.3	NA	NA	NA	0.9
NA	NA	4.6	NA	NA	NA	NA	2.5
-4.7	8.0	-0.6	-23.6	NA	NA	NA	1.0
-4.6	3.7	-0.7	72.9	-4.1	10.0	22.2	1.0
-4.7	8.0	-0.1	59.2	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
-4.2	2.5	-0.6	-33.4	NA	NA	NA	1.0
-4.9	2.1	-4.9	28.7	-4.4	10.0	-98.0	1.5
-5.0	2.0	-2.0	11.7	NA	NA	NA	1.0
-4.4	5.2	-0.4	-46.8	NA	NA	NA	1.7
-5.1	2.0	1.3	-6.6	NA	NA	NA	1.2
-4.8	3.0	-0.3	58.5	-4.1	10.0	21.4	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.8	3.6	-0.7	55.3	-4.4	6.1	21.4	0.9
NA	NA	0.9	NA	NA	NA	NA	1.3
-4.8	3.0	0.7	-23.9	NA	NA	NA	1.0
-4.7	2.1	-0.2	61.6	-4.3	10.0	3.5	1.5
-4.7	1.8	-0.6	68.5	-4.3	10.0	9.7	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.1
-4.3	3.0	1.3	-113.3	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	4.9	-0.1	144.7	NA	NA	NA	0.4
-4.4	3.7	0.1	-102.2	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	0.6
-5.2	4.5	-0.1	26.4	NA	NA	NA	1.0
-5.3	8.0	0.4	20.6	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	2.2
-4.2	4.0	1.7	-26.7	NA	NA	NA	1.0
-4.2	4.4	0.5	47.3	NA	NA	NA	1.0
-4.2	5.4	-0.2	58.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.1
-5.1	1.0	1.9	-24.8	NA	NA	NA	1.0
-5.6	1.4	0.5	42.8	NA	NA	NA	1.7
-5.1	1.1	-0.6	54.7	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	1.3
NA	NA	-0.3	NA	NA	NA	NA	0.7
-4.9	2.5	0.4	55.6	NA	NA	NA	1.0
-4.9	2.6	0.2	46.1	NA	NA	NA	0.9
NA	NA	1.5	NA	NA	NA	NA	1.6
-4.3	8.0	-0.9	-25.5	NA	NA	NA	1.0
-4.3	8.0	-1.4	58.7	NA	NA	NA	1.0
-4.2	5.9	-0.6	83.8	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	1.5
-5.4	8.0	-3.5	-13.7	NA	NA	NA	0.9
-5.5	0.9	-0.9	42.5	NA	NA	NA	1.5
-5.3	1.2	1.2	50.8	NA	NA	NA	1.1
NA	NA	-1.2	NA	NA	NA	NA	1.3
NA	NA	-1.0	NA	NA	NA	NA	0.7
-5.1	2.5	0.0	43.6	NA	NA	NA	1.0
-4.9	2.5	0.4	36.0	NA	NA	NA	0.9
NA	NA	1.0	NA	NA	NA	NA	1.7
-4.3	2.0	0.2	-69.9	NA	NA	NA	1.0
-5.2	8.0	-0.1	13.7	-4.2	10.0	-23.8	1.2
-4.8	1.7	-0.9	23.2	NA	NA	NA	1.0
-4.3	5.8	0.0	-71.0	NA	NA	NA	1.0
-4.2	3.4	-0.8	-110.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	3.8	0.1	117.1	NA	NA	NA	0.4
-4.2	3.9	0.8	-130.2	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.5	5.1	-0.8	-53.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	3.4	0.5	53.9	NA	NA	NA	0.9
-4.6	2.2	1.1	-96.6	NA	NA	NA	2.2
-4.4	8.0	-0.3	-47.8	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	5.0	0.1	20.4	NA	NA	NA	0.3
-4.3	4.9	0.4	-95.1	NA	NA	NA	1.6
-4.4	3.7	-0.6	-89.2	NA	NA	NA	1.0
-4.6	8.0	-0.6	-18.0	NA	NA	NA	1.0
-4.1	3.1	-0.2	188.0	NA	NA	NA	1.0
-4.4	7.9	1.4	-98.1	NA	NA	NA	1.5
-5.4	1.8	0.1	-16.7	NA	NA	NA	1.1
-4.9	1.2	0.3	157.1	-4.3	4.0	117.9	2.2
-5.0	1.3	0.1	122.9	-4.1	1.6	77.8	1.5
NA	NA	0.9	NA	NA	NA	NA	1.6
NA	NA	-0.8	NA	NA	NA	NA	1.0
-4.8	2.4	0.1	20.9	NA	NA	NA	1.0
-4.7	1.9	0.4	19.1	NA	NA	NA	0.9
NA	NA	0.0	NA	NA	NA	NA	1.8
-5.3	1.8	0.8	-19.6	NA	NA	NA	1.0
-4.9	1.5	-0.3	143.7	-4.3	10.0	105.3	1.7
-4.9	1.6	-0.3	125.9	-4.4	2.1	94.4	1.1
NA	NA	2.6	NA	NA	NA	NA	1.8
NA	NA	-0.1	NA	NA	NA	NA	1.0
-4.8	3.1	0.2	20.8	NA	NA	NA	1.0
-4.7	3.4	0.0	16.8	NA	NA	NA	0.9
NA	NA	-1.9	NA	NA	NA	NA	2.3
-5.1	1.3	-0.2	-20.7	-4.0	10.0	-5.8	0.9
-5.2	1.2	-2.7	95.6	NA	NA	NA	2.1
-5.1	1.2	-0.9	93.4	NA	NA	NA	1.5
NA	NA	0.7	NA	NA	NA	NA	1.9
NA	NA	-0.1	NA	NA	NA	NA	0.6
-4.7	2.8	0.2	26.8	-4.1	1.9	1.8	0.5
-4.8	2.4	-0.1	13.5	NA	NA	NA	0.9
NA	NA	-0.5	NA	NA	NA	NA	1.9
-5.0	0.9	0.2	-48.5	NA	NA	NA	1.3
-5.8	1.9	0.5	63.0	-4.6	5.4	-27.5	1.0
-5.5	1.5	0.7	95.7	-4.7	5.3	-1.5	1.0
-4.9	4.6	-1.7	-92.9	NA	NA	NA	1.0
-5.4	2.3	1.0	-24.5	NA	NA	NA	1.0
-5.3	0.8	2.6	86.6	NA	NA	NA	1.9
-5.1	1.0	-0.1	114.8	-4.3	3.1	86.8	1.0
-4.1	3.5	2.0	-102.4	NA	NA	NA	1.4
-4.2	2.5	2.1	-35.3	NA	NA	NA	1.0
-4.6	7.1	0.3	13.3	-4.1	7.6	-22.3	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.6	7.9	-1.0	11.3	NA	NA	NA	1.0
-4.2	8.0	2.4	-90.0	NA	NA	NA	1.8
-6.1	2.0	-1.1	-17.1	NA	NA	NA	1.0
-6.1	1.5	-2.6	66.2	-4.4	9.8	8.9	2.2
-6.1	1.5	-0.8	64.0	-4.3	9.6	7.8	2.0
NA	NA	0.7	NA	NA	NA	NA	2.1
NA	NA	0.4	NA	NA	NA	NA	0.6
-4.0	0.8	-1.0	91.9	NA	NA	NA	1.7
-4.5	2.8	0.1	42.5	NA	NA	NA	1.0
NA	NA	4.5	NA	NA	NA	NA	1.5
NA	NA	2.6	NA	NA	NA	NA	1.5
-4.1	8.0	5.3	67.4	NA	NA	NA	1.8
-4.2	2.4	1.2	45.3	NA	NA	NA	1.0
NA	NA	-7.4	NA	NA	NA	NA	2.2
NA	NA	0.8	NA	NA	NA	NA	0.5
-4.5	0.8	-2.9	37.1	NA	NA	NA	1.7
-4.7	8.0	-0.4	23.4	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.5
NA	NA	-0.6	NA	NA	NA	NA	1.2
-5.0	1.7	-0.2	58.5	-4.4	10.0	-18.3	1.7
-5.2	3.6	0.6	39.9	-4.5	9.7	-11.5	1.0
-4.8	4.4	-1.0	-37.3	NA	NA	NA	1.7
NA	NA	0.2	NA	NA	NA	NA	0.6
-4.5	3.4	0.1	30.0	-4.0	9.5	-8.1	1.0
-4.6	5.0	-0.2	14.8	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
NA	NA	0.5	NA	NA	NA	NA	1.3
-5.4	1.9	-1.8	59.1	-4.8	9.9	14.6	2.1
-5.4	1.9	-0.9	48.0	-4.7	10.0	-1.5	1.4
-5.0	6.7	0.2	-39.1	NA	NA	NA	2.0
-4.3	2.3	0.8	-38.5	NA	NA	NA	1.0
-4.5	2.8	2.0	46.6	NA	NA	NA	1.0
-4.5	2.8	1.0	65.3	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	1.1
-5.3	2.0	-0.8	-23.8	NA	NA	NA	1.0
-4.7	1.1	-0.4	105.1	-4.1	9.8	46.0	1.6
-5.1	1.9	0.0	76.9	NA	NA	NA	1.0
NA	NA	-2.0	NA	NA	NA	NA	2.1
-4.4	1.9	0.7	-29.6	NA	NA	NA	1.0
-4.6	0.7	0.0	41.8	NA	NA	NA	1.0
-4.5	0.9	0.1	46.7	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.2
-5.7	1.6	0.9	-27.9	NA	NA	NA	1.1
-5.2	1.6	1.4	144.6	-4.6	6.5	70.1	1.6
-5.2	1.1	-1.0	134.0	-4.4	10.0	84.5	1.2
NA	NA	-0.3	NA	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.2	2.3	0.2	-18.9	NA	NA	NA	1.0
-4.3	1.8	-0.5	52.6	NA	NA	NA	1.0
-4.3	1.8	-0.3	54.9	NA	NA	NA	1.0
NA	NA	-1.9	NA	NA	NA	NA	1.6
NA	NA	0.5	NA	NA	NA	NA	0.7
-4.1	4.1	1.5	86.2	NA	NA	NA	1.7
-4.2	4.6	0.8	43.0	NA	NA	NA	1.0
NA	NA	-1.8	NA	NA	NA	NA	0.9
NA	NA	0.9	NA	NA	NA	NA	1.4
-4.2	3.1	1.5	65.9	NA	NA	NA	1.6
-4.2	3.2	-0.2	51.5	NA	NA	NA	1.0
NA	NA	-3.8	NA	NA	NA	NA	2.1
-4.5	8.0	1.4	-39.0	NA	NA	NA	1.0
-4.7	2.8	-1.4	61.6	-4.1	10.0	14.4	1.0
-4.7	2.8	-1.5	57.8	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.6
NA	NA	0.4	NA	NA	NA	NA	0.8
-4.4	8.0	-4.1	41.0	NA	NA	NA	1.8
-4.2	2.7	-1.9	53.8	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.2
-4.9	1.5	0.6	-27.8	NA	NA	NA	1.3
-4.9	0.6	-4.2	50.2	NA	NA	NA	1.7
-4.6	1.5	-0.8	66.7	NA	NA	NA	1.3
NA	NA	-2.2	NA	NA	NA	NA	1.2
-4.3	2.8	-0.1	-34.2	NA	NA	NA	1.0
-4.6	2.5	0.3	21.5	-4.1	10.0	-13.4	0.5
-4.7	3.4	0.2	15.5	NA	NA	NA	0.4
NA	NA	1.5	NA	NA	NA	NA	1.3
NA	NA	1.3	NA	NA	NA	NA	0.6
-4.8	8.0	0.9	38.0	NA	NA	NA	1.1
-4.8	3.4	0.1	32.1	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	1.3
-7.7	1.6	0.3	-18.8	-5.1	4.9	8.8	1.4
-7.9	8.0	4.5	77.6	-4.5	1.5	-79.2	2.5
-7.9	2.1	-2.8	62.5	-4.6	1.5	-49.0	1.8
-4.4	1.0	0.0	-76.9	NA	NA	NA	1.7
-5.3	0.8	0.2	-42.3	NA	NA	NA	1.3
-5.5	1.3	1.0	150.0	-4.7	5.3	-69.6	2.0
-5.6	1.2	0.6	124.6	-4.8	5.2	0.9	1.1
-4.7	1.8	1.5	-116.9	NA	NA	NA	1.2
-6.0	8.0	3.3	-1.4	NA	NA	NA	1.3
-5.5	3.4	0.7	54.6	-5.0	4.1	11.3	0.5
-5.5	3.4	-0.1	39.3	-5.1	10.0	9.7	0.4
-4.7	1.2	0.4	48.2	NA	NA	NA	1.3
-5.4	2.3	0.8	-12.8	NA	NA	NA	1.0
-5.0	2.3	0.0	77.9	-4.4	10.0	35.0	0.8

ga	gw	zr	tp	la	lw	bt	er
-5.4	4.6	0.2	62.3	-4.9	1.9	25.9	0.7
NA	NA	0.5	NA	NA	NA	NA	1.9
-5.1	0.8	1.9	-38.3	NA	NA	NA	1.0
-5.2	0.8	5.3	84.0	-4.1	10.0	-72.4	1.8
-4.8	0.8	2.1	118.8	-4.2	10.0	14.8	1.6
-4.3	3.9	-0.9	-103.8	NA	NA	NA	1.3
-4.4	7.3	1.8	-58.3	NA	NA	NA	1.0
-5.5	8.0	0.1	4.8	-4.3	1.9	-5.2	0.5
-4.2	4.5	0.1	39.8	NA	NA	NA	0.4
-4.9	2.5	-2.8	-91.5	NA	NA	NA	1.6
-4.4	2.1	1.6	-66.3	NA	NA	NA	1.0
-4.9	5.2	0.9	41.1	-4.5	8.4	1.8	0.5
-5.0	4.5	-0.5	39.4	NA	NA	NA	0.9
-4.6	1.5	-5.4	-110.8	NA	NA	NA	1.8
-4.0	8.0	-2.6	-25.6	NA	NA	NA	1.0
-4.9	2.2	0.6	74.7	-4.5	9.4	-6.0	1.0
-5.0	2.0	0.8	48.2	-4.6	9.9	2.1	1.0
-4.5	4.4	-3.5	-101.6	NA	NA	NA	1.5
-5.1	5.9	0.8	-83.0	NA	NA	NA	1.0
-4.9	8.0	-0.7	-30.3	NA	NA	NA	1.3
-4.5	2.0	-1.1	82.9	NA	NA	NA	1.2
-5.0	3.3	-0.5	-88.7	NA	NA	NA	1.1
-4.5	5.0	-0.5	-74.2	NA	NA	NA	1.2
-4.8	3.4	-0.9	-21.8	-4.1	10.0	2.7	0.5
-4.3	4.1	-0.8	188.9	NA	NA	NA	1.0
-4.7	3.4	-1.9	-97.9	NA	NA	NA	2.2
-5.0	6.3	0.0	-86.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.7	4.6	0.1	174.1	NA	NA	NA	0.4
-5.0	8.0	0.9	-99.8	NA	NA	NA	1.1
-4.6	2.9	0.3	-86.2	NA	NA	NA	1.1
NA	NA	0.1	NA	NA	NA	NA	0.1
-4.3	2.1	-0.3	263.4	NA	NA	NA	0.9
-4.6	4.2	0.7	-93.5	NA	NA	NA	2.1
-4.8	3.0	-1.7	-81.6	NA	NA	NA	1.3
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	2.0	0.1	50.6	NA	NA	NA	0.3
-4.8	4.8	-3.1	-98.4	NA	NA	NA	1.7
-4.8	2.3	-0.1	-86.0	NA	NA	NA	1.3
-5.0	6.7	0.0	-15.0	NA	NA	NA	1.0
-4.2	2.1	0.1	374.0	NA	NA	NA	1.0
-4.7	2.6	0.6	-103.2	NA	NA	NA	1.7
-4.4	2.3	0.4	-64.8	NA	NA	NA	1.0
-4.8	3.1	-2.8	26.6	NA	NA	NA	1.0
-4.4	2.3	-1.9	92.2	NA	NA	NA	1.0
NA	NA	-2.9	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.8	1.0	-100.1	NA	NA	NA	1.0
-5.1	8.0	-1.8	39.6	-4.4	10.0	-3.1	1.0
-4.8	2.5	-2.3	86.2	-4.2	6.0	44.7	1.0
-4.4	8.0	-1.4	-87.4	NA	NA	NA	1.8
-4.5	8.0	0.5	-30.5	NA	NA	NA	1.0
NA	NA	0.5	NA	NA	NA	NA	0.0
-4.3	4.6	0.2	47.2	NA	NA	NA	0.5
-4.4	8.0	4.2	-88.4	NA	NA	NA	1.9
-4.3	2.6	1.9	-105.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	3.6	-0.1	30.3	NA	NA	NA	0.3
-4.2	3.5	2.6	-135.2	NA	NA	NA	1.4
-4.2	3.1	-0.5	-106.9	NA	NA	NA	1.1
NA	NA	0.5	NA	NA	NA	NA	0.5
-4.3	3.8	0.5	129.8	NA	NA	NA	0.5
-4.3	8.0	-1.8	-97.6	NA	NA	NA	1.6
-4.7	3.4	-0.3	-80.2	NA	NA	NA	1.0
-5.0	1.4	-2.1	39.0	-4.5	8.9	-30.8	1.4
-4.8	2.2	-0.1	98.4	-4.4	9.6	54.9	1.1
-4.5	8.0	2.0	-96.6	NA	NA	NA	1.0
-4.2	5.8	0.3	-73.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.6
-4.2	8.0	0.0	51.5	NA	NA	NA	0.5
-4.2	4.3	-0.8	-117.3	NA	NA	NA	2.0
-4.4	8.0	0.2	-79.5	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.4	6.0	-0.1	58.4	NA	NA	NA	0.4
-4.5	4.9	0.9	-101.1	NA	NA	NA	1.1
-4.2	4.5	-1.6	-82.9	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.2	5.8	0.4	90.1	NA	NA	NA	0.5
-4.2	4.0	4.3	-130.9	NA	NA	NA	2.1
-4.4	8.0	0.3	-70.6	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	4.8	-0.1	15.3	NA	NA	NA	0.3
-4.2	4.8	2.3	-136.8	NA	NA	NA	1.5
-4.2	2.9	-0.7	-101.8	NA	NA	NA	1.0
-4.2	2.5	-0.2	-24.9	NA	NA	NA	1.0
-4.1	4.9	0.1	147.0	NA	NA	NA	1.0
-4.1	3.5	2.6	-136.5	NA	NA	NA	2.0
-4.7	1.8	-0.3	-29.0	NA	NA	NA	1.0
-4.5	2.2	2.7	77.9	NA	NA	NA	1.2
-4.4	2.1	2.4	94.6	NA	NA	NA	1.2
NA	NA	0.4	NA	NA	NA	NA	0.9
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.8	2.7	0.1	62.6	NA	NA	NA	1.7



ga	gw	zr	tp	la	lw	bt	er
-4.4	1.8	-1.8	70.9	NA	NA	NA	1.0
NA	NA	2.2	NA	NA	NA	NA	0.9
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.8	2.4	-0.1	46.1	NA	NA	NA	1.3
-4.8	4.1	0.8	29.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	0.4
-4.6	1.3	0.4	64.2	NA	NA	NA	1.1
-4.6	2.1	0.6	62.6	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.9
NA	NA	-0.9	NA	NA	NA	NA	1.2
-4.2	2.2	1.8	59.9	NA	NA	NA	1.5
-4.2	2.4	2.5	63.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	1.0
-5.0	8.0	1.4	-63.9	NA	NA	NA	1.2
-4.7	2.9	-0.9	-148.2	NA	NA	NA	2.0
-5.3	8.0	-1.9	29.9	-4.7	3.3	-14.5	1.3
-4.9	8.0	1.9	-99.4	NA	NA	NA	1.4
-4.9	8.0	0.3	-66.9	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.8	7.3	0.0	47.6	NA	NA	NA	0.4
-4.8	8.0	0.1	-88.8	NA	NA	NA	1.8
-5.0	1.7	2.6	-54.8	NA	NA	NA	1.2
NA	NA	0.5	NA	NA	NA	NA	0.1
-4.7	1.2	-1.0	63.5	NA	NA	NA	0.9
-5.0	2.3	-1.4	-94.8	NA	NA	NA	1.3
-4.1	5.6	-0.5	-61.0	NA	NA	NA	1.0
-4.8	2.9	0.5	41.9	-4.3	10.0	0.2	1.0
-4.6	2.2	0.3	31.8	NA	NA	NA	1.0
-4.3	8.0	7.2	-95.9	NA	NA	NA	1.7
-5.0	6.7	1.6	-61.7	NA	NA	NA	1.0
-5.4	8.0	-0.9	20.3	-4.8	9.9	-160.6	1.6
-4.8	8.0	-0.5	-28.0	-4.0	2.8	1.8	0.7
-5.0	8.0	0.4	-102.7	NA	NA	NA	1.3
-4.9	7.6	1.1	-71.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	5.1	0.0	47.7	NA	NA	NA	0.4
-4.7	8.0	0.1	-85.4	NA	NA	NA	1.0
-4.8	1.8	2.0	-60.5	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	0.0
-4.4	1.4	-0.7	62.7	NA	NA	NA	0.9
-5.0	2.3	-0.2	-77.9	NA	NA	NA	2.1
-4.5	2.9	-1.1	-59.2	NA	NA	NA	1.0
-4.8	8.0	-1.1	16.7	-4.6	10.0	-11.7	1.0
-4.3	1.8	-0.2	56.8	NA	NA	NA	1.0
-4.6	8.0	1.1	-100.0	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.0	NA	NA	NA	NA	0.4
-4.9	1.7	0.0	32.4	NA	NA	NA	1.5
-4.4	1.1	-1.6	42.4	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.6
-5.0	8.0	-0.7	-35.8	NA	NA	NA	1.5
-6.3	3.3	1.4	65.7	-5.8	10.0	6.1	1.8
-6.1	1.6	0.6	72.4	-5.7	10.0	11.7	1.8
NA	NA	1.6	NA	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.5
-7.3	8.0	-1.4	26.5	NA	NA	NA	2.2
-6.6	1.8	-2.3	42.7	-5.9	5.4	8.2	1.5
NA	NA	-11.6	NA	NA	NA	NA	2.6
-6.4	8.0	4.8	-26.1	-5.7	3.2	4.1	1.8
NA	NA	-0.5	NA	NA	NA	NA	1.3
-6.4	8.0	-1.7	31.4	-5.9	4.1	-6.4	1.1
NA	NA	-3.0	NA	NA	NA	NA	2.9
-7.1	2.8	1.7	-26.1	-5.7	3.4	-6.0	0.8
-7.3	3.9	0.4	49.5	-7.1	10.0	7.5	1.0
-7.3	3.4	-0.6	41.2	-7.0	10.0	17.3	0.9
-7.1	7.4	-3.6	-79.9	-5.6	2.0	-6.8	1.8
-4.4	8.0	2.5	-68.7	NA	NA	NA	1.7
-4.9	8.0	0.0	74.2	-4.8	2.5	-145.9	1.9
-5.0	1.6	-1.4	-61.1	-4.2	9.2	-12.0	1.8
-4.7	1.8	-3.3	-105.5	NA	NA	NA	2.0
-4.4	4.4	-0.1	-75.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.5
-4.2	3.8	-0.4	131.0	NA	NA	NA	1.0
-4.3	3.4	-0.2	-106.1	NA	NA	NA	2.0
-4.3	1.8	1.7	-113.9	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	2.2	-0.2	91.6	NA	NA	NA	0.4
-4.6	3.6	-1.4	-93.6	NA	NA	NA	1.5
-4.5	0.9	0.4	-66.1	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.8
-4.2	3.8	0.2	69.4	NA	NA	NA	0.9
-4.3	3.0	0.2	-74.8	NA	NA	NA	1.6
-4.3	0.8	0.7	-112.6	NA	NA	NA	1.2
-4.5	7.1	-0.5	37.1	-4.3	10.0	-4.7	1.0
-4.0	0.9	-0.1	115.0	NA	NA	NA	1.0
-4.6	0.7	0.4	-122.1	NA	NA	NA	1.9
-5.3	8.0	-1.7	-20.9	NA	NA	NA	1.2
-4.7	8.0	0.9	40.7	NA	NA	NA	1.0
-4.5	1.0	0.6	97.6	NA	NA	NA	1.0
-5.6	2.9	0.3	-52.7	NA	NA	NA	1.6
-4.5	8.0	3.1	-65.0	NA	NA	NA	2.1
-6.7	4.2	1.3	27.3	-5.1	0.8	-150.0	2.6

ga	gw	zr	tp	la	lw	bt	er
-5.6	2.9	1.1	-46.4	-4.4	10.0	-1.7	1.8
-4.7	0.7	-0.8	-126.2	NA	NA	NA	2.1
-4.3	2.7	-0.1	-97.8	NA	NA	NA	1.1
NA	NA	-0.9	NA	NA	NA	NA	0.6
-4.2	4.6	-0.5	228.5	NA	NA	NA	1.0
-4.3	2.7	-3.7	-125.5	NA	NA	NA	2.1
-4.4	1.5	-0.2	-113.6	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.1	2.1	0.2	145.0	NA	NA	NA	0.4
-4.6	4.6	-2.9	-99.4	NA	NA	NA	1.9
-4.3	2.9	-0.9	-96.4	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.4
-4.3	3.8	-0.3	86.0	NA	NA	NA	0.9
-4.3	2.0	-5.1	-95.4	NA	NA	NA	2.1
-4.2	4.2	-1.1	-105.4	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	6.3	0.1	44.2	NA	NA	NA	0.3
-4.4	8.0	-0.8	-94.6	NA	NA	NA	2.1
-4.0	0.5	2.5	-104.0	NA	NA	NA	1.9
-5.7	8.0	-1.1	6.1	-4.0	10.0	-27.5	1.3
-5.1	1.2	-0.6	41.7	NA	NA	NA	1.2
-4.2	1.7	-1.1	-123.8	NA	NA	NA	2.1
-4.4	1.4	-0.8	-73.8	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.1
-4.5	2.2	-0.2	33.6	NA	NA	NA	1.0
-4.4	8.0	-2.8	-44.5	NA	NA	NA	1.3
-4.2	5.2	-0.3	-57.2	NA	NA	NA	1.0
NA	NA	-0.4	NA	NA	NA	NA	0.6
-4.3	3.5	0.0	41.5	NA	NA	NA	1.0
-4.3	2.5	0.6	-81.1	NA	NA	NA	1.8
-4.2	2.0	0.8	-96.8	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	0.1
-4.2	2.8	0.0	111.3	NA	NA	NA	1.0
-4.4	2.4	-5.1	-78.1	NA	NA	NA	2.0
-4.6	8.0	0.4	-19.9	NA	NA	NA	1.4
-4.4	5.6	-0.1	35.3	NA	NA	NA	0.5
-4.4	6.5	-0.2	44.3	NA	NA	NA	0.9
NA	NA	-8.2	NA	NA	NA	NA	2.6
-4.7	8.0	-0.3	-30.7	NA	NA	NA	1.0
-4.7	7.0	0.0	55.5	NA	NA	NA	1.0
-4.7	7.4	0.8	69.0	NA	NA	NA	1.0
-4.7	3.1	1.5	-69.4	NA	NA	NA	1.6
-4.3	2.1	-0.5	-97.3	NA	NA	NA	1.0
-4.2	8.0	-1.6	-38.0	NA	NA	NA	1.3
-4.4	4.0	-0.7	52.3	NA	NA	NA	1.2
-4.4	5.5	-1.1	-88.1	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.4	1.7	0.4	-71.4	NA	NA	NA	1.0
NA	NA	0.4	NA	NA	NA	NA	0.7
-4.3	1.8	-0.5	70.7	NA	NA	NA	1.0
-4.4	8.0	1.9	-82.9	NA	NA	NA	1.9
-4.2	3.9	0.4	-109.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.1	3.9	0.0	97.0	NA	NA	NA	0.4
-4.2	8.0	0.5	-123.6	NA	NA	NA	1.1
-4.3	3.7	-1.4	-46.9	NA	NA	NA	1.0
-4.3	5.4	-0.6	28.9	NA	NA	NA	0.5
-4.3	5.3	0.4	61.1	NA	NA	NA	0.9
-4.2	6.5	2.1	-56.6	NA	NA	NA	1.9
-4.4	3.1	1.2	-81.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.3	4.0	0.0	19.0	NA	NA	NA	0.3
-4.2	8.0	1.2	-127.9	NA	NA	NA	1.1
-4.4	1.7	2.0	-68.7	NA	NA	NA	1.0
-4.9	2.8	0.0	24.0	-4.1	5.3	-13.2	1.0
-4.7	3.7	-0.6	58.1	NA	NA	NA	1.0
-4.3	2.7	-5.3	-106.2	NA	NA	NA	2.0
-4.7	2.9	0.3	-40.8	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	0.3
-4.8	4.3	-0.8	29.8	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.4
-4.7	8.0	-0.5	-32.1	NA	NA	NA	1.2
-4.7	6.0	-0.5	23.1	NA	NA	NA	1.0
-4.5	2.8	-0.5	52.1	NA	NA	NA	0.9
-4.6	1.3	-1.6	-73.5	NA	NA	NA	1.7
-4.7	8.0	0.8	-40.3	NA	NA	NA	1.0
-4.6	1.5	0.5	45.5	NA	NA	NA	1.0
-4.6	1.7	-0.1	73.3	NA	NA	NA	1.0
-4.5	1.9	-0.7	-89.8	NA	NA	NA	1.5
-4.4	1.8	0.6	-90.3	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.2
-4.9	8.0	0.3	19.2	-3.9	1.5	-11.8	1.0
-4.3	4.2	-1.8	-89.2	NA	NA	NA	1.0
-4.1	8.0	2.9	-89.4	NA	NA	NA	1.3
-5.0	1.5	1.7	81.2	-4.3	10.0	-147.3	2.1
-4.8	8.0	0.8	49.8	-4.6	10.0	-2.6	1.0
-4.3	0.8	-2.3	-133.4	NA	NA	NA	1.9
-4.4	4.5	-1.9	-72.1	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	0.4
-4.2	3.3	0.9	147.1	NA	NA	NA	1.0
-4.2	4.7	-1.0	-126.9	NA	NA	NA	2.0
-4.2	4.2	-0.4	-108.5	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	6.3	0.3	135.8	NA	NA	NA	0.4
-4.3	7.2	1.1	-108.0	NA	NA	NA	1.0
-4.4	1.8	0.9	-71.1	NA	NA	NA	1.0
-4.7	8.0	0.1	34.0	-4.3	2.7	-8.2	1.0
-4.6	4.0	-0.1	51.3	NA	NA	NA	0.9
-4.4	1.8	1.8	-92.3	NA	NA	NA	1.8
-4.2	4.5	-0.9	-94.9	NA	NA	NA	1.2
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	4.3	0.3	27.6	NA	NA	NA	0.3
-4.2	8.0	-1.6	-125.0	NA	NA	NA	2.0
-4.2	1.1	1.1	-101.1	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	0.4
-4.0	2.5	-0.3	143.9	NA	NA	NA	1.0
-4.2	2.4	-2.9	-113.9	NA	NA	NA	1.7
-4.7	8.0	0.2	-14.3	NA	NA	NA	0.7
-5.1	2.1	-2.9	96.1	-4.4	10.0	-108.6	1.6
-5.1	1.8	-1.3	61.6	-4.4	10.0	-33.2	1.0
-4.4	1.3	2.6	-62.3	NA	NA	NA	1.4
-4.4	2.2	1.3	-84.8	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.3	3.0	-0.3	45.0	NA	NA	NA	0.4
-5.2	8.0	-1.6	25.5	-4.2	3.8	-14.2	1.2
-4.3	2.1	-1.3	-47.3	NA	NA	NA	1.3
NA	NA	0.1	NA	NA	NA	NA	0.3
-4.4	2.9	0.4	30.8	NA	NA	NA	0.9
-4.5	1.7	4.5	-109.3	NA	NA	NA	2.2
-4.2	2.4	0.0	-54.0	NA	NA	NA	1.0
-4.6	2.6	-0.6	30.4	NA	NA	NA	1.0
-4.5	2.1	-0.3	34.3	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.9
-4.8	2.3	2.4	-24.5	NA	NA	NA	1.1
-5.3	2.2	-5.3	82.4	-4.3	10.0	-157.0	2.1
-5.1	2.1	-2.8	80.0	-4.3	10.0	-17.7	1.1
-4.3	8.0	-0.8	-80.9	NA	NA	NA	1.3
-4.2	4.0	0.9	-31.1	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.9	-0.4	38.0	NA	NA	NA	0.9
NA	NA	-3.0	NA	NA	NA	NA	2.3
-4.3	1.9	3.7	-52.6	NA	NA	NA	1.2
-4.5	8.0	0.7	9.2	NA	NA	NA	1.0
-4.2	2.2	-0.9	47.3	NA	NA	NA	1.0
-4.2	4.4	1.2	-93.3	NA	NA	NA	1.0
-4.6	8.0	0.9	-22.4	NA	NA	NA	1.0
-5.1	4.9	-1.6	58.0	NA	NA	NA	1.2
-4.8	2.7	-1.3	62.3	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.1	NA	NA	NA	NA	0.5
-4.5	1.0	-0.5	35.7	NA	NA	NA	1.6
-4.4	1.3	-1.2	34.4	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	1.7
NA	NA	-0.1	NA	NA	NA	NA	0.9
-5.0	0.7	-4.7	21.7	NA	NA	NA	1.6
-4.5	1.6	-0.8	32.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.8
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.4	1.2	1.9	69.3	NA	NA	NA	1.6
-4.6	1.5	2.7	26.2	NA	NA	NA	1.2
NA	NA	-0.6	NA	NA	NA	NA	1.4
-5.7	1.6	-1.2	-18.8	NA	NA	NA	1.0
-5.7	3.2	3.3	61.8	-4.4	10.0	1.9	1.9
-5.6	1.8	1.9	59.9	-4.3	10.0	14.2	1.5
NA	NA	-6.1	NA	NA	NA	NA	1.8
-4.0	1.8	0.9	-76.1	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.7
-4.1	8.0	-0.6	28.6	NA	NA	NA	0.5
NA	NA	-2.2	NA	NA	NA	NA	1.4
-5.6	1.1	1.1	-24.4	NA	NA	NA	1.2
-5.5	0.7	-2.5	82.2	-4.3	10.0	13.3	2.4
-5.9	1.6	0.0	66.7	NA	NA	NA	1.5
NA	NA	0.9	NA	NA	NA	NA	1.6
-4.2	1.9	0.2	-63.2	NA	NA	NA	1.1
NA	NA	-3.2	NA	NA	NA	NA	1.3
-4.1	8.0	-1.0	36.5	NA	NA	NA	1.0
NA	NA	0.9	NA	NA	NA	NA	1.7
NA	NA	-1.9	NA	NA	NA	NA	1.0
-4.9	2.2	-1.9	77.8	NA	NA	NA	1.8
-4.7	1.7	-0.3	67.1	NA	NA	NA	1.0
NA	NA	-5.5	NA	NA	NA	NA	2.3
NA	NA	-0.9	NA	NA	NA	NA	0.8
-4.9	4.5	2.2	24.6	NA	NA	NA	1.5
-4.5	2.2	1.9	38.6	NA	NA	NA	1.0
NA	NA	2.6	NA	NA	NA	NA	1.2
-5.3	4.3	-0.8	-75.5	NA	NA	NA	1.0
-6.1	8.0	-1.4	50.7	-5.7	3.9	-31.3	1.2
-6.1	8.0	-1.4	36.5	NA	NA	NA	1.6
-5.3	8.0	1.3	-101.3	NA	NA	NA	1.2
NA	NA	-1.0	NA	NA	NA	NA	1.6
-6.7	8.0	-2.1	23.3	-4.6	1.8	-97.3	2.6
-4.5	3.2	4.5	-47.2	NA	NA	NA	2.1
-6.5	7.7	2.6	-31.7	NA	NA	NA	1.7
-5.9	8.0	-2.2	-34.1	-4.3	10.0	-5.8	1.9
-6.0	4.7	-1.9	13.1	-4.7	8.9	-1.8	1.0

ga	gw	zr	tp	la	lw	bt	er
-5.9	8.0	-0.2	43.4	-4.3	10.0	8.1	1.5
-6.4	3.2	5.9	-45.5	NA	NA	NA	2.7
-6.4	2.5	-2.5	-30.2	NA	NA	NA	1.0
-6.8	3.1	-1.5	66.1	-6.3	9.4	4.4	1.0
-6.8	3.1	0.1	60.0	-6.5	9.8	24.2	0.9
-6.5	8.0	7.7	-62.6	NA	NA	NA	2.2
-5.9	2.8	-2.6	-64.8	-4.4	9.9	-37.4	1.5
NA	NA	-0.6	NA	NA	NA	NA	0.0
-5.7	4.3	-0.1	15.3	-4.1	10.0	-14.0	0.3
-5.6	8.0	-0.7	-97.7	-4.5	10.0	-36.8	1.6
-6.9	1.3	0.0	-15.0	NA	NA	NA	1.4
NA	NA	-1.9	NA	NA	NA	NA	1.4
-4.1	8.0	-0.2	22.5	NA	NA	NA	0.5
-6.6	6.6	5.0	-33.2	NA	NA	NA	1.5
-5.2	1.2	-0.4	-70.7	NA	NA	NA	1.0
-5.7	8.0	2.9	95.4	-5.4	8.7	-34.7	1.1
-5.4	2.2	1.5	137.8	-5.2	10.0	6.3	1.3
-4.8	8.0	-1.3	-86.1	NA	NA	NA	1.9
NA	NA	-0.1	NA	NA	NA	NA	1.3
-5.6	2.8	0.7	57.6	-4.6	10.0	-60.1	1.6
-5.6	2.6	0.5	47.6	-4.8	3.5	-52.1	1.0
-5.3	1.5	0.4	-78.9	NA	NA	NA	1.2
-5.2	8.0	2.0	-40.3	NA	NA	NA	1.5
NA	NA	0.2	NA	NA	NA	NA	1.0
-5.2	8.0	-0.7	44.2	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	2.0
-5.6	2.7	-0.4	-57.7	NA	NA	NA	1.5
-6.2	8.0	0.0	46.8	-5.9	10.0	7.0	1.0
-5.6	3.1	0.3	51.8	-4.2	10.0	10.8	0.9
-5.8	8.0	-3.7	-73.7	-5.3	5.2	13.4	2.3
-5.2	8.0	0.4	-59.9	NA	NA	NA	1.4
NA	NA	-0.2	NA	NA	NA	NA	0.0
-5.1	2.8	-0.1	14.0	NA	NA	NA	0.3
NA	NA	0.2	NA	NA	NA	NA	2.0
-5.1	1.6	1.8	-80.9	NA	NA	NA	1.0
-5.8	4.1	-0.9	122.8	-5.4	10.0	-34.3	1.4
-5.5	1.5	-2.8	148.9	-5.3	10.0	24.7	1.8
-4.9	8.0	0.2	-94.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.3
-5.9	1.3	2.4	91.1	-4.4	9.6	14.0	2.2
-6.1	8.0	1.0	42.4	-4.1	9.7	-12.3	1.7
-5.9	1.9	1.9	-51.0	NA	NA	NA	1.9
-6.3	2.9	2.6	-30.2	NA	NA	NA	1.4
-6.7	6.5	0.1	47.9	-6.3	9.7	10.8	1.0
-6.8	8.0	-1.0	25.5	NA	NA	NA	1.4
-6.5	3.2	-8.7	-75.6	-5.4	2.6	12.9	2.5

ga	gw	zr	tp	la	lw	bt	er
-5.6	2.8	0.0	-61.3	NA	NA	NA	1.5
NA	NA	-0.8	NA	NA	NA	NA	0.0
-5.4	2.8	-0.1	12.2	NA	NA	NA	0.3
-5.3	8.0	0.3	-72.9	NA	NA	NA	2.3
-6.4	1.6	0.2	-43.2	-4.3	2.4	-16.1	1.4
-5.3	8.0	-0.4	111.3	-4.6	3.3	-11.0	2.6
-5.3	8.0	-1.1	172.8	-4.7	4.1	9.2	2.2
NA	NA	0.2	NA	NA	NA	NA	2.0
NA	NA	-0.1	NA	NA	NA	NA	1.4
-7.1	1.2	-2.4	46.5	-5.9	2.2	-3.4	2.7
-7.3	1.1	-2.0	24.3	-5.8	2.0	-5.9	2.1
-4.3	8.0	-5.5	-78.8	NA	NA	NA	2.6
-7.3	2.9	0.7	-28.5	-5.7	3.0	-2.4	1.7
-5.5	0.8	1.4	57.5	-5.3	10.0	19.7	1.9
-7.7	5.8	0.2	25.9	-5.3	9.3	5.9	1.9
-7.5	8.0	-0.9	-56.8	-5.7	10.0	-0.2	2.4
-6.7	3.3	-0.9	-38.9	NA	NA	NA	1.8
-5.3	8.0	-2.5	90.9	-4.6	3.6	-15.7	2.7
-5.3	8.0	-0.7	127.0	-4.6	4.4	8.2	2.3
-4.2	8.0	2.4	-66.0	NA	NA	NA	2.2
-6.8	1.8	0.4	-30.4	-5.4	10.0	-1.9	1.7
-5.1	0.5	-0.5	38.9	-4.9	10.0	18.9	1.7
-5.8	0.4	-4.2	52.1	-5.1	5.5	20.5	1.7
-6.8	8.0	-0.2	-79.3	-5.9	1.2	6.7	2.7
NA	NA	-0.9	NA	NA	NA	NA	1.1
-4.8	2.8	-0.7	29.0	-4.0	7.0	-3.9	1.0
-4.9	8.0	0.1	12.9	NA	NA	NA	1.0
NA	NA	-4.3	NA	NA	NA	NA	2.1
-6.4	1.9	0.2	-43.3	-4.5	10.0	-22.3	1.7
-4.9	8.0	-2.4	118.7	-4.6	9.9	-11.3	2.7
-4.9	8.0	0.0	195.7	-4.6	10.0	3.9	2.3
-4.7	7.3	-1.2	21.1	-4.3	10.0	-31.6	2.0
-7.1	2.6	0.5	-37.7	-5.7	2.2	-2.2	1.9
-5.1	0.5	-0.1	51.5	-4.9	10.0	24.7	2.0
-7.4	4.2	-0.1	28.1	-5.0	10.0	5.6	1.9
-7.2	7.3	-2.6	-74.0	-6.4	1.7	-2.4	2.5
NA	NA	0.0	NA	NA	NA	NA	1.3
-5.2	4.6	-0.4	29.1	-4.2	3.1	-5.7	1.0
-5.3	7.5	0.1	9.5	-3.9	2.7	-14.3	1.0
NA	NA	-0.1	NA	NA	NA	NA	2.0
-4.8	2.2	-0.2	-26.6	NA	NA	NA	1.0
-4.9	2.2	0.3	67.3	NA	NA	NA	1.0
-4.7	1.9	-0.2	95.1	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.1
-4.3	8.0	0.8	54.8	NA	NA	NA	1.8



ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	-1.1	35.2	NA	NA	NA	1.2
NA	NA	-1.8	NA	NA	NA	NA	1.1
-5.0	1.4	2.4	-83.4	NA	NA	NA	1.4
-5.6	5.9	0.3	74.4	-5.2	6.2	-21.7	1.4
-4.6	7.5	-0.4	28.7	NA	NA	NA	1.3
-4.8	7.9	0.5	-93.7	NA	NA	NA	1.2
NA	NA	-1.2	NA	NA	NA	NA	0.6
-4.7	3.3	-4.3	98.6	NA	NA	NA	1.6
-4.7	4.3	-1.2	86.7	NA	NA	NA	1.0
NA	NA	2.5	NA	NA	NA	NA	1.3
-4.6	6.4	0.0	-12.9	NA	NA	NA	1.0
-4.5	8.0	2.9	48.3	NA	NA	NA	1.9
-4.5	3.1	2.1	45.5	NA	NA	NA	1.6
NA	NA	0.8	NA	NA	NA	NA	0.9
NA	NA	-0.7	NA	NA	NA	NA	0.9
-4.2	2.7	-0.9	105.8	NA	NA	NA	2.0
-4.4	8.0	-0.4	59.6	NA	NA	NA	1.2
NA	NA	-2.0	NA	NA	NA	NA	1.8
NA	NA	-0.6	NA	NA	NA	NA	1.1
-4.4	2.5	-1.3	88.8	NA	NA	NA	1.6
-4.3	3.0	0.0	62.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	1.6
-4.3	2.3	0.5	-22.3	NA	NA	NA	1.2
-4.5	2.7	0.0	23.8	NA	NA	NA	1.0
-4.4	2.1	-0.2	30.1	NA	NA	NA	0.9
NA	NA	-1.2	NA	NA	NA	NA	2.1
NA	NA	-1.1	NA	NA	NA	NA	1.0
-4.3	2.0	0.6	105.1	NA	NA	NA	1.9
-4.2	2.1	1.7	97.7	NA	NA	NA	1.0
NA	NA	-0.6	NA	NA	NA	NA	1.2
NA	NA	3.2	NA	NA	NA	NA	1.7
-4.4	8.0	1.2	64.0	NA	NA	NA	2.3
-4.4	8.0	0.6	26.1	NA	NA	NA	1.6
NA	NA	-0.3	NA	NA	NA	NA	1.3
NA	NA	1.1	NA	NA	NA	NA	0.9
-4.1	4.6	1.8	144.2	NA	NA	NA	2.0
-4.1	3.8	-0.3	85.9	NA	NA	NA	1.4
NA	NA	2.7	NA	NA	NA	NA	1.2
NA	NA	-2.3	NA	NA	NA	NA	0.7
-4.2	8.0	0.7	31.5	NA	NA	NA	1.0
-4.2	8.0	0.6	29.6	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	1.1
-4.3	3.0	-0.6	-46.2	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.5
-4.3	5.0	0.3	51.6	NA	NA	NA	0.5
-4.2	3.4	-0.7	-81.8	NA	NA	NA	1.5

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	0.0	-34.9	NA	NA	NA	1.0
-4.6	8.0	-0.8	19.6	NA	NA	NA	1.0
-4.6	8.0	-0.2	27.1	NA	NA	NA	0.9
NA	NA	-3.3	NA	NA	NA	NA	1.9
-5.5	2.4	-1.3	-9.9	NA	NA	NA	1.0
-5.4	2.1	0.0	51.6	NA	NA	NA	1.0
-5.3	1.8	1.0	50.5	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.8
-6.0	8.0	-2.2	-11.2	NA	NA	NA	1.2
-4.3	7.7	-2.9	59.2	NA	NA	NA	2.3
-4.2	2.0	0.8	75.4	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.2
NA	NA	-1.2	NA	NA	NA	NA	0.9
-4.6	1.4	3.9	53.9	NA	NA	NA	1.7
-4.6	1.8	1.4	46.7	NA	NA	NA	1.0
NA	NA	0.7	NA	NA	NA	NA	1.1
-5.6	0.7	-0.5	-17.5	NA	NA	NA	1.0
-4.7	1.1	-0.2	153.1	NA	NA	NA	1.7
-4.5	0.9	1.8	133.3	NA	NA	NA	1.3
NA	NA	1.7	NA	NA	NA	NA	1.1
-5.6	8.0	1.1	-9.0	NA	NA	NA	1.0
-5.5	4.9	-0.2	64.2	-5.3	8.3	-4.2	1.0
-5.5	4.9	-0.7	57.7	-5.2	10.0	0.0	1.0
NA	NA	7.3	NA	NA	NA	NA	2.5
-5.1	0.7	1.7	-18.9	NA	NA	NA	1.1
-4.8	0.6	-3.9	138.2	NA	NA	NA	2.0
-4.6	0.6	-2.6	131.1	NA	NA	NA	1.4
NA	NA	-1.1	NA	NA	NA	NA	1.4
NA	NA	1.4	NA	NA	NA	NA	0.7
-5.6	7.1	1.2	59.3	-5.3	9.1	-3.9	1.0
-5.5	5.4	0.1	39.9	-5.2	10.0	-2.9	1.0
NA	NA	6.5	NA	NA	NA	NA	2.2
NA	NA	0.6	NA	NA	NA	NA	0.7
-4.7	1.7	-1.1	42.2	NA	NA	NA	1.1
-4.7	1.7	-1.7	37.2	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.0
NA	NA	-2.1	NA	NA	NA	NA	1.0
-4.2	8.0	-1.0	88.5	NA	NA	NA	1.4
-4.2	8.0	-0.8	84.3	NA	NA	NA	1.1
NA	NA	0.0	NA	NA	NA	NA	1.4
NA	NA	-0.5	NA	NA	NA	NA	0.5
-4.1	4.5	1.9	94.5	NA	NA	NA	1.4
-4.1	5.2	1.2	68.5	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.1
-4.3	3.3	1.7	-39.1	NA	NA	NA	1.0
-4.3	3.0	-0.3	69.5	NA	NA	NA	1.3

ga	gw	zr	tp	la	lw	bt	er
-4.3	3.1	-1.1	89.0	NA	NA	NA	1.1
NA	NA	2.3	NA	NA	NA	NA	1.5
-5.3	0.5	4.3	-62.8	NA	NA	NA	1.6
-6.9	2.3	1.9	29.2	-4.7	2.7	-155.4	1.9
-6.6	2.3	0.0	45.1	-4.9	2.2	-35.2	1.5
-4.7	2.2	1.1	-103.5	NA	NA	NA	1.6
-4.3	2.9	1.3	-90.7	NA	NA	NA	1.0
-4.9	7.8	0.3	18.4	-4.4	3.1	-12.6	1.0
-4.2	3.5	-0.2	93.6	NA	NA	NA	0.9
-4.6	1.0	-0.3	-105.1	NA	NA	NA	1.3
-4.4	0.9	-0.6	-105.7	NA	NA	NA	1.0
-5.0	1.0	-0.4	-24.2	NA	NA	NA	1.0
-4.2	2.8	0.2	134.3	NA	NA	NA	1.0
-4.6	2.4	-6.9	-105.0	NA	NA	NA	1.5
-4.3	2.2	1.7	-33.9	NA	NA	NA	1.0
-4.7	2.1	-1.9	33.1	NA	NA	NA	1.7
-4.4	1.7	-1.5	68.5	NA	NA	NA	1.4
-4.2	3.9	3.0	-57.6	NA	NA	NA	1.5
-6.8	2.7	1.2	-16.5	-4.8	4.2	4.4	0.9
-7.1	2.9	1.0	48.1	-4.4	2.7	-25.3	2.3
-7.0	2.8	0.5	41.4	-4.7	10.0	-8.6	1.6
NA	NA	-3.0	NA	NA	NA	NA	1.6
-4.0	0.7	0.9	-97.8	NA	NA	NA	1.1
-4.6	2.6	-0.6	33.5	-4.2	10.0	-8.8	1.0
-4.3	1.7	0.6	149.1	NA	NA	NA	1.0
-4.2	2.3	-0.3	-130.8	NA	NA	NA	1.7
NA	NA	-2.4	NA	NA	NA	NA	1.1
-4.8	1.1	2.2	27.5	NA	NA	NA	1.2
-4.6	0.8	3.2	45.7	NA	NA	NA	1.4
NA	NA	0.8	NA	NA	NA	NA	0.7
-5.2	0.7	-1.3	-16.6	NA	NA	NA	1.0
-5.6	5.0	-0.2	29.2	NA	NA	NA	1.3
-5.2	1.1	1.4	43.4	NA	NA	NA	1.1
NA	NA	-1.8	NA	NA	NA	NA	1.0
NA	NA	1.9	NA	NA	NA	NA	1.3
-5.1	7.9	-1.0	24.6	NA	NA	NA	1.6
-4.3	1.5	-1.9	42.7	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.5
NA	NA	0.4	NA	NA	NA	NA	1.1
-4.1	3.6	-2.9	58.8	NA	NA	NA	1.5
-4.3	5.7	-1.7	53.2	NA	NA	NA	1.0
NA	NA	1.7	NA	NA	NA	NA	1.6
-4.9	4.8	0.5	-13.8	NA	NA	NA	1.0
-5.0	8.0	-0.6	78.0	-4.3	9.8	28.2	1.6
-4.8	3.6	-0.1	80.3	-4.4	9.9	32.1	1.0
NA	NA	-1.0	NA	NA	NA	NA	1.7

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.2	NA	NA	NA	NA	1.2
-6.0	1.3	2.2	33.3	NA	NA	NA	2.1
-4.3	0.8	1.0	54.1	NA	NA	NA	1.7
NA	NA	-1.0	NA	NA	NA	NA	1.9
-6.0	1.3	0.3	-17.4	NA	NA	NA	1.3
-5.9	1.1	3.6	73.0	-4.5	10.0	45.0	2.0
-5.7	0.8	0.2	70.9	-4.7	3.5	42.9	1.2
NA	NA	6.3	NA	NA	NA	NA	1.8
-5.5	1.5	-2.2	-25.0	NA	NA	NA	1.3
-6.1	2.9	-1.0	48.9	NA	NA	NA	1.7
-5.9	1.3	-0.5	76.7	-3.8	1.3	43.7	1.0
NA	NA	7.4	NA	NA	NA	NA	1.6
-4.9	2.1	2.4	-14.7	NA	NA	NA	1.0
-4.9	6.6	0.2	49.7	NA	NA	NA	1.9
-4.8	2.3	0.3	48.3	NA	NA	NA	1.1
NA	NA	3.7	NA	NA	NA	NA	1.5
-4.8	1.1	0.7	-27.9	NA	NA	NA	1.0
-5.1	1.7	0.2	57.5	NA	NA	NA	1.9
-4.7	1.2	0.1	86.0	NA	NA	NA	1.1
NA	NA	-1.3	NA	NA	NA	NA	1.6
-4.5	3.2	-1.0	-56.3	NA	NA	NA	1.0
-4.7	3.4	0.1	47.4	-4.4	9.9	6.1	1.4
-4.7	8.0	0.6	47.0	NA	NA	NA	1.3
-4.6	5.7	0.1	-50.7	NA	NA	NA	1.0
-4.2	8.0	0.0	-71.6	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	8.0	0.1	64.9	NA	NA	NA	0.5
-4.2	8.0	0.9	-123.9	NA	NA	NA	2.0
NA	NA	-0.4	NA	NA	NA	NA	0.9
-4.3	1.2	1.7	70.6	NA	NA	NA	1.9
-4.3	1.3	1.0	45.1	NA	NA	NA	1.2
NA	NA	1.1	NA	NA	NA	NA	1.4
NA	NA	-1.0	NA	NA	NA	NA	1.0
-4.4	1.7	-0.3	74.4	NA	NA	NA	1.6
-4.3	1.3	0.5	67.1	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	1.7
NA	NA	-1.6	NA	NA	NA	NA	1.0
-4.4	1.2	2.4	81.7	NA	NA	NA	2.0
-4.4	0.9	1.3	66.3	NA	NA	NA	1.4
NA	NA	0.2	NA	NA	NA	NA	1.9
-4.6	2.8	-0.1	-33.6	NA	NA	NA	1.0
-4.7	1.3	-2.6	43.2	NA	NA	NA	1.6
-4.6	2.2	-0.9	60.8	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	1.7
-5.0	1.8	0.3	-18.1	NA	NA	NA	1.0
-4.5	0.9	0.6	81.2	NA	NA	NA	1.8

ga	gw	zr	tp	la	lw	bt	er
-4.5	0.9	0.3	75.2	NA	NA	NA	1.0
NA	NA	1.4	NA	NA	NA	NA	1.3
-4.9	1.2	0.1	-33.4	NA	NA	NA	1.0
-4.8	0.9	-0.1	86.0	-4.1	9.8	22.6	1.5
-4.8	1.1	1.1	112.2	NA	NA	NA	1.3
NA	NA	2.1	NA	NA	NA	NA	1.7
NA	NA	-3.8	NA	NA	NA	NA	1.1
-4.2	8.0	-3.2	46.8	NA	NA	NA	1.4
-4.2	7.7	-0.3	52.3	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.3
-4.7	7.6	-3.4	-75.9	NA	NA	NA	1.0
-4.6	8.0	-4.4	-29.6	NA	NA	NA	1.5
-4.5	1.4	-2.3	81.3	NA	NA	NA	1.2
-5.0	5.0	-3.0	-93.8	NA	NA	NA	1.7
-4.6	8.0	-1.5	-55.4	NA	NA	NA	1.0
-4.9	2.5	-2.1	89.3	-4.5	10.0	-155.7	2.3
-5.0	8.0	1.1	48.2	-4.6	7.5	-7.7	1.6
-4.7	8.0	-4.8	-96.0	NA	NA	NA	2.0
-4.4	8.0	-1.1	-70.3	NA	NA	NA	1.4
-4.7	7.3	-2.2	-20.5	NA	NA	NA	1.0
-4.1	7.1	-1.4	100.4	NA	NA	NA	1.0
-4.7	7.5	-2.6	-72.4	NA	NA	NA	2.0
-4.6	8.0	0.3	-87.3	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.0
-4.2	4.4	0.3	234.7	NA	NA	NA	0.4
-4.5	2.3	0.5	-117.8	NA	NA	NA	1.1
-4.9	6.0	-0.7	-85.4	NA	NA	NA	1.0
-4.5	8.0	-0.1	29.4	NA	NA	NA	0.5
-4.6	3.1	0.1	337.0	NA	NA	NA	0.9
-5.2	8.0	-2.8	-91.3	NA	NA	NA	2.2
-4.6	5.2	0.5	-74.1	NA	NA	NA	1.1
NA	NA	-0.5	NA	NA	NA	NA	0.0
-4.4	3.2	-0.3	40.8	NA	NA	NA	0.3
-4.7	5.3	-3.4	-92.6	NA	NA	NA	1.9
-4.6	8.0	0.7	-84.8	-4.0	0.9	-57.5	1.1
NA	NA	0.5	NA	NA	NA	NA	0.4
-4.6	6.2	0.3	175.6	NA	NA	NA	1.0
-4.7	8.0	3.6	-93.0	NA	NA	NA	1.4
-6.6	2.1	2.7	-17.9	NA	NA	NA	1.6
-6.3	3.1	0.3	53.5	-4.8	1.4	-170.2	2.2
-6.2	1.8	-1.2	67.7	-5.0	1.8	-65.7	1.6
-5.4	1.8	-6.7	-66.2	NA	NA	NA	2.1
-4.8	1.1	0.4	-76.7	NA	NA	NA	1.1
-5.6	5.2	0.1	10.0	-4.9	3.2	-5.8	0.5
-5.4	1.2	-0.2	13.2	NA	NA	NA	0.4
-5.1	0.6	-5.2	-87.2	NA	NA	NA	2.2

ga	gw	zr	tp	la	lw	bt	er
NA	NA	-0.2	NA	NA	NA	NA	1.3
-5.4	1.6	1.0	47.6	NA	NA	NA	1.0
-5.1	1.1	0.2	54.0	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	0.7
NA	NA	0.1	NA	NA	NA	NA	1.0
-4.2	2.1	-1.3	86.3	NA	NA	NA	1.7
-4.3	1.7	0.0	56.1	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	1.1
-4.2	2.6	1.4	-36.2	NA	NA	NA	1.0
-5.4	8.0	-0.6	126.9	-4.7	10.0	76.8	1.9
-5.3	2.9	-2.5	52.7	NA	NA	NA	1.5
-4.5	4.2	-0.6	-32.8	NA	NA	NA	1.2
-5.0	2.5	1.0	-27.1	NA	NA	NA	1.0
-5.1	8.0	-3.5	19.0	NA	NA	NA	1.1
-5.0	4.8	-2.4	31.3	NA	NA	NA	1.0
NA	NA	-0.8	NA	NA	NA	NA	1.1
NA	NA	-1.7	NA	NA	NA	NA	1.5
-4.6	4.0	-2.0	58.5	NA	NA	NA	1.0
-4.5	4.6	-0.6	71.6	NA	NA	NA	1.0
NA	NA	-3.6	NA	NA	NA	NA	2.2
-4.3	4.4	-0.2	-93.0	NA	NA	NA	1.0
-4.4	8.0	-0.5	-23.7	NA	NA	NA	1.0
-4.2	8.0	-0.3	72.3	NA	NA	NA	1.0
-4.2	8.0	-1.0	-114.7	NA	NA	NA	1.0
-4.3	1.5	-1.4	-69.3	NA	NA	NA	1.2
-5.2	2.0	-1.2	64.7	-4.0	2.3	-149.8	1.7
-4.8	1.1	-0.4	90.8	-4.1	10.0	12.0	1.0
-4.1	4.1	-1.4	-105.0	NA	NA	NA	1.0
-4.2	8.0	-1.7	-47.5	NA	NA	NA	1.6
NA	NA	-2.2	NA	NA	NA	NA	0.8
-4.2	8.0	-0.6	48.6	NA	NA	NA	1.0
-4.4	8.0	-5.0	-60.1	NA	NA	NA	2.1
-4.2	3.9	0.8	-54.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.2	4.5	-0.2	25.0	NA	NA	NA	0.4
-4.1	8.0	-0.8	-58.8	NA	NA	NA	1.8
-4.2	5.8	-1.1	-75.2	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.3	7.8	0.0	15.4	NA	NA	NA	0.3
-4.1	5.0	-1.2	-50.7	NA	NA	NA	1.0
-4.2	8.0	0.4	117.8	NA	NA	NA	1.0
-4.3	4.1	-0.6	40.2	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.3
NA	NA	-2.8	NA	NA	NA	NA	1.3
-4.1	5.8	-0.5	144.5	NA	NA	NA	1.0
-4.3	1.6	-0.5	77.5	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
NA	NA	1.3	NA	NA	NA	NA	0.9
NA	NA	0.8	NA	NA	NA	NA	0.9
-4.2	4.2	1.0	109.5	NA	NA	NA	1.2
-4.2	8.0	-0.9	23.2	NA	NA	NA	1.0
NA	NA	-1.4	NA	NA	NA	NA	0.7
NA	NA	-6.4	NA	NA	NA	NA	2.2
-4.4	1.5	-2.5	-75.1	NA	NA	NA	1.0
-5.2	1.9	-1.2	24.3	-4.2	10.0	-10.6	1.7
-4.6	1.2	-0.5	68.2	NA	NA	NA	1.5
-4.3	6.7	-1.1	-65.5	NA	NA	NA	1.7
-4.2	5.0	0.1	-38.7	NA	NA	NA	1.0
-5.3	4.0	-1.4	35.4	-4.1	10.0	-79.5	1.7
-4.4	1.4	-0.7	44.3	-4.2	10.0	-11.1	1.0
-4.1	2.1	-1.4	-120.8	NA	NA	NA	1.0
-4.3	4.8	-0.6	-51.9	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	0.8
-4.3	7.9	-1.1	29.7	NA	NA	NA	0.5
-4.3	8.0	-9.5	-72.4	NA	NA	NA	2.4
-4.3	8.0	-0.4	-63.3	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.4	8.0	-0.2	24.6	NA	NA	NA	0.3
NA	NA	-1.1	NA	NA	NA	NA	1.4
NA	NA	-5.6	NA	NA	NA	NA	1.4
-7.0	0.8	7.6	32.9	NA	NA	NA	2.5
-4.9	0.4	4.3	63.2	NA	NA	NA	1.8
NA	NA	2.6	NA	NA	NA	NA	1.5
-4.2	5.9	-0.9	-71.8	NA	NA	NA	1.0
-4.7	4.6	-3.5	70.8	-4.3	10.0	-175.5	2.4
-4.6	3.0	0.2	40.5	-4.2	10.0	-17.9	1.5
-4.8	1.9	-13.0	-99.6	NA	NA	NA	2.0
-4.3	1.7	-1.0	-109.1	NA	NA	NA	1.1
-5.0	1.6	1.3	43.5	-4.4	10.0	-20.1	1.3
-4.3	0.9	1.4	74.5	NA	NA	NA	1.4
-4.2	4.9	0.8	-120.5	NA	NA	NA	1.0
-4.5	4.8	-1.2	-61.5	NA	NA	NA	1.0
-5.2	6.8	-0.4	65.2	-4.5	4.1	-201.4	2.0
-4.7	4.3	1.4	-47.4	-4.2	10.0	-7.0	1.1
-4.8	8.0	-3.3	-92.8	NA	NA	NA	1.9
-4.2	8.0	0.3	-68.9	NA	NA	NA	1.0
-4.2	8.0	0.1	-32.6	NA	NA	NA	1.0
-4.2	8.0	0.2	40.9	NA	NA	NA	1.0
-4.2	8.0	-0.9	-116.0	NA	NA	NA	1.5
-4.2	6.6	1.0	-91.6	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	91.2	NA	NA	NA	0.4
-4.4	8.0	0.6	-96.2	NA	NA	NA	1.1

ga	gw	zr	tp	la	lw	bt	er
-4.2	8.0	0.6	-89.6	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.2	8.0	-0.1	162.6	NA	NA	NA	0.9
-4.2	3.7	-2.8	-114.1	NA	NA	NA	1.6
-4.2	7.3	-0.2	-101.7	NA	NA	NA	1.0
-4.2	3.9	0.1	-29.8	NA	NA	NA	1.0
-4.2	8.0	0.0	187.7	NA	NA	NA	1.0
-4.2	5.1	0.5	-121.4	NA	NA	NA	1.3
NA	NA	-1.5	NA	NA	NA	NA	0.7
-5.0	5.9	2.3	47.0	-4.3	8.6	-138.7	2.1
-4.7	3.2	1.5	22.2	-4.1	3.7	-22.6	1.0
-4.1	5.5	-0.4	-71.5	NA	NA	NA	1.3
-4.4	1.0	-2.0	-17.2	NA	NA	NA	1.1
-4.3	1.1	1.5	62.3	NA	NA	NA	1.4
-4.4	1.0	1.8	52.3	NA	NA	NA	1.4
NA	NA	0.7	NA	NA	NA	NA	2.2
-4.6	1.6	-0.6	-67.1	NA	NA	NA	1.0
NA	NA	-2.6	NA	NA	NA	NA	1.3
-5.2	8.0	-0.7	18.7	-4.7	10.0	-1.7	1.0
-4.4	1.3	-0.3	-61.3	NA	NA	NA	1.1
-4.5	2.9	-0.8	-88.0	NA	NA	NA	1.0
NA	NA	-0.3	NA	NA	NA	NA	0.0
-4.3	4.3	-0.1	119.9	NA	NA	NA	0.4
-4.4	2.9	-1.5	-107.2	NA	NA	NA	1.0
-4.3	7.1	-1.2	-68.1	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.4
-4.2	6.5	0.1	106.2	NA	NA	NA	1.0
NA	NA	2.3	NA	NA	NA	NA	1.5
-4.7	1.1	-0.6	-30.7	NA	NA	NA	1.1
-5.4	2.1	-2.7	51.4	-4.4	2.2	-58.8	2.2
-5.4	8.0	0.9	33.7	NA	NA	NA	1.5
NA	NA	-0.3	NA	NA	NA	NA	1.1
-4.2	3.1	-0.5	-63.8	NA	NA	NA	1.0
NA	NA	-0.5	NA	NA	NA	NA	0.1
-4.2	2.7	0.1	56.6	NA	NA	NA	1.0
NA	NA	3.6	NA	NA	NA	NA	1.0
-4.5	2.7	-0.5	-96.2	NA	NA	NA	0.8
-5.5	7.7	0.1	17.2	-4.7	5.9	-34.5	1.1
-4.6	1.1	-0.6	91.7	NA	NA	NA	1.0
-4.7	6.3	-0.4	-99.6	NA	NA	NA	1.3
-4.8	3.9	1.3	-38.6	NA	NA	NA	1.3
-4.4	2.6	1.7	-131.4	NA	NA	NA	2.0
-4.8	8.0	1.3	40.5	NA	NA	NA	1.0
-4.8	7.0	-1.5	-71.4	NA	NA	NA	1.0
-4.4	8.0	-1.5	-72.5	NA	NA	NA	1.4
-4.4	3.0	-0.3	-31.5	NA	NA	NA	1.0



ga	gw	zr	tp	la	lw	bt	er
-4.3	8.0	0.3	93.4	NA	NA	NA	1.0
-4.5	3.1	3.3	-88.8	NA	NA	NA	1.2
-4.2	3.6	0.4	-116.9	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.4	8.0	-0.2	156.9	NA	NA	NA	0.4
-4.5	8.0	-1.2	-99.1	NA	NA	NA	1.0
-4.5	8.0	0.2	-82.5	NA	NA	NA	1.1
NA	NA	-0.2	NA	NA	NA	NA	0.1
-4.4	7.0	0.1	150.7	NA	NA	NA	0.9
-4.6	8.0	-6.9	-83.5	NA	NA	NA	1.9
-4.3	8.0	-0.4	-83.1	NA	NA	NA	1.1
NA	NA	-0.1	NA	NA	NA	NA	0.0
-4.2	4.4	0.1	42.6	NA	NA	NA	0.3
-4.3	2.9	-1.3	-124.6	NA	NA	NA	1.7
-4.4	6.1	-1.6	-81.7	NA	NA	NA	1.0
-4.4	3.5	-0.5	-21.2	NA	NA	NA	1.0
-4.2	7.3	0.1	204.1	NA	NA	NA	1.0
-4.4	8.0	-0.7	-95.3	NA	NA	NA	1.3
-4.6	3.1	-1.2	-47.5	NA	NA	NA	1.0
-5.4	3.3	2.2	98.8	-4.7	3.2	-145.8	2.1
-5.6	2.8	1.2	67.5	-5.0	10.0	-15.0	1.5
-4.9	8.0	0.0	-54.2	NA	NA	NA	1.0
-4.2	8.0	0.7	-32.2	NA	NA	NA	1.1
-4.2	8.0	-0.3	30.4	NA	NA	NA	0.5
-4.1	8.0	-1.4	45.4	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	1.5
-4.4	2.6	1.4	-85.3	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.2	4.0	-0.2	77.3	NA	NA	NA	0.4
-5.1	3.1	-0.9	-38.3	-4.1	2.7	-4.8	0.6
-4.6	1.8	-1.6	-37.6	-4.1	10.0	-3.8	0.9
-4.3	6.6	-0.3	32.8	NA	NA	NA	0.5
-4.6	4.8	0.4	30.9	NA	NA	NA	0.9
NA	NA	-0.8	NA	NA	NA	NA	2.0
-4.6	1.7	-0.5	-59.7	NA	NA	NA	1.3
NA	NA	-0.7	NA	NA	NA	NA	0.3
-4.2	1.9	-0.8	65.9	NA	NA	NA	1.0
NA	NA	-3.1	NA	NA	NA	NA	1.7
-4.4	1.6	-2.3	-99.9	NA	NA	NA	1.0
-5.1	3.9	-1.2	47.4	-4.5	10.0	-14.2	1.2
-5.1	3.8	-0.3	56.0	NA	NA	NA	1.0
-4.4	2.9	0.5	-120.0	NA	NA	NA	1.0
-4.5	8.0	0.5	-60.9	NA	NA	NA	1.0
-5.0	2.8	-3.4	59.4	-4.5	5.9	-201.7	2.1
-5.0	8.0	-1.5	36.8	-4.2	9.5	-17.2	1.1
-4.8	8.0	1.5	-101.8	NA	NA	NA	1.0

ga	gw	zr	tp	la	lw	bt	er
-4.2	4.0	-1.1	-85.0	NA	NA	NA	1.0
-4.2	3.4	-1.5	-28.3	NA	NA	NA	1.0
-4.2	7.1	0.4	113.8	NA	NA	NA	1.0
-4.4	4.1	0.5	-98.6	NA	NA	NA	1.7
-4.2	4.6	-1.1	-104.8	NA	NA	NA	1.0
-5.1	2.2	-0.4	3.6	NA	NA	NA	0.5
-4.2	5.9	0.3	152.2	NA	NA	NA	0.4
-4.3	2.3	0.8	-138.9	NA	NA	NA	1.0
-4.2	4.6	-0.5	-89.9	NA	NA	NA	1.0
NA	NA	-0.7	NA	NA	NA	NA	0.0
-4.2	4.9	-0.2	151.5	NA	NA	NA	0.9
-4.4	8.0	2.2	-84.8	NA	NA	NA	1.8
-4.3	2.0	0.6	-97.2	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.3	2.5	-0.2	29.7	NA	NA	NA	0.3
-4.2	4.9	-2.9	-133.7	NA	NA	NA	1.4
-4.2	8.0	1.4	-111.1	NA	NA	NA	1.0
NA	NA	-0.2	NA	NA	NA	NA	0.0
-4.1	8.0	-0.2	218.0	NA	NA	NA	0.5
-4.2	5.7	2.9	-140.9	NA	NA	NA	1.4
-4.2	8.0	1.2	-83.0	NA	NA	NA	1.0
NA	NA	0.3	NA	NA	NA	NA	0.0
-4.2	8.0	-0.5	56.7	NA	NA	NA	0.5
-4.2	6.1	1.1	-127.2	NA	NA	NA	1.0
-4.5	1.1	0.0	-69.1	NA	NA	NA	1.0
-4.2	8.0	2.4	-42.7	NA	NA	NA	1.4
-4.8	1.3	0.2	34.4	-4.1	10.0	-7.8	1.1
NA	NA	-3.5	NA	NA	NA	NA	1.4
NA	NA	-3.9	NA	NA	NA	NA	1.3
-6.9	4.4	-1.4	43.6	NA	NA	NA	2.0
-6.5	0.5	-4.7	43.9	NA	NA	NA	1.8
-7.1	2.2	3.2	-53.3	NA	NA	NA	1.5
-6.1	1.7	1.5	-17.4	NA	NA	NA	1.0
-6.1	8.0	0.1	52.4	-5.8	1.7	27.9	1.0
-6.1	7.7	-0.6	36.4	NA	NA	NA	1.0
-6.3	5.5	2.7	-63.2	NA	NA	NA	1.3
NA	NA	0.4	NA	NA	NA	NA	0.6
-5.0	3.4	1.1	36.1	NA	NA	NA	2.4
-4.9	8.0	0.1	22.5	NA	NA	NA	1.1
NA	NA	-1.4	NA	NA	NA	NA	2.0
-5.0	2.2	1.4	-29.8	NA	NA	NA	1.2
-5.4	8.0	1.8	70.6	-4.7	3.4	-124.4	2.5
NA	NA	0.2	NA	NA	NA	NA	2.4
-4.5	3.6	8.4	-79.2	NA	NA	NA	2.1
-4.6	0.4	3.2	-62.9	NA	NA	NA	1.6
-6.9	2.7	1.8	74.7	-5.1	4.1	2.1	2.0

ga	gw	zr	tp	la	lw	bt	er
-6.8	1.9	-0.3	68.0	-5.4	9.9	37.4	2.0
-7.4	0.4	-8.0	35.8	-4.6	10.0	-30.5	1.9
-4.6	8.0	0.4	-13.3	NA	NA	NA	1.0
-4.5	2.9	-1.0	42.1	NA	NA	NA	1.7
-4.5	5.0	-0.7	41.6	NA	NA	NA	1.2
NA	NA	-0.1	NA	NA	NA	NA	1.0
-5.7	8.0	-0.8	-6.8	NA	NA	NA	1.0
-4.5	0.9	-2.1	52.1	NA	NA	NA	1.0
-4.5	0.9	-0.8	36.6	NA	NA	NA	1.0
NA	NA	8.7	NA	NA	NA	NA	2.1
-4.3	1.5	0.0	-16.6	NA	NA	NA	1.0
-4.8	1.6	-0.3	39.1	NA	NA	NA	1.0
-4.5	1.0	-0.7	42.1	NA	NA	NA	1.0
NA	NA	9.7	NA	NA	NA	NA	1.9
NA	NA	-1.4	NA	NA	NA	NA	0.8
-5.5	1.4	-1.1	32.1	NA	NA	NA	1.0
-5.5	1.2	-1.1	27.3	NA	NA	NA	1.0
NA	NA	6.6	NA	NA	NA	NA	1.8
-4.9	3.8	-1.9	-21.9	NA	NA	NA	1.0
-4.8	1.8	-0.5	73.2	NA	NA	NA	1.4
-4.9	3.6	0.6	56.5	NA	NA	NA	1.0
NA	NA	-3.5	NA	NA	NA	NA	1.6
NA	NA	-1.0	NA	NA	NA	NA	0.5
-4.7	8.0	2.3	56.3	NA	NA	NA	1.8
-4.7	8.0	3.0	41.6	NA	NA	NA	1.2
-4.6	1.4	2.6	-36.3	NA	NA	NA	1.5
-4.7	2.6	0.6	-40.4	NA	NA	NA	1.0
NA	NA	0.1	NA	NA	NA	NA	0.0
-4.6	8.0	0.3	31.2	NA	NA	NA	0.5
NA	NA	-3.0	NA	NA	NA	NA	1.9
-4.4	5.4	-0.7	-72.0	NA	NA	NA	1.0
NA	NA	-0.1	NA	NA	NA	NA	0.2
-4.4	6.6	0.5	48.2	NA	NA	NA	0.5
-4.4	4.3	-1.1	-129.3	NA	NA	NA	1.1
NA	NA	0.7	NA	NA	NA	NA	0.9
-5.1	1.5	-0.2	42.6	NA	NA	NA	1.0
-5.3	2.6	1.1	26.4	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.3
-5.2	1.3	-1.0	-34.4	NA	NA	NA	1.0
-5.1	1.3	-0.5	92.3	NA	NA	NA	1.1
-4.9	1.2	-0.8	115.0	NA	NA	NA	1.3
NA	NA	2.1	NA	NA	NA	NA	1.8
NA	NA	1.0	NA	NA	NA	NA	0.6
-4.2	3.1	1.3	80.2	NA	NA	NA	1.6
-4.1	5.5	-0.4	53.5	NA	NA	NA	0.5
NA	NA	-2.3	NA	NA	NA	NA	1.4

ga	gw	zr	tp	la	lw	bt	er
-5.0	1.8	0.9	-91.3	-4.1	10.0	-65.0	0.9
-5.3	5.3	1.5	87.8	-4.8	10.0	-30.7	1.4
-5.0	1.8	0.3	158.9	-4.6	10.0	82.4	1.3
-4.8	3.7	0.4	-93.6	NA	NA	NA	0.8
-4.9	8.0	0.2	-64.5	NA	NA	NA	1.0
-4.6	8.0	1.8	-114.3	NA	NA	NA	2.3
-4.4	8.0	0.0	38.4	NA	NA	NA	1.0
-5.0	5.2	1.9	-105.6	NA	NA	NA	1.3
-4.6	8.0	1.5	-76.4	NA	NA	NA	1.2
-4.6	6.5	-0.4	-23.3	-4.2	8.5	0.2	0.5
-4.2	3.7	-1.3	208.2	NA	NA	NA	1.0
-4.8	8.0	-3.1	-99.1	NA	NA	NA	2.0
-4.7	8.0	0.0	-90.7	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.6	8.0	0.0	153.0	NA	NA	NA	0.4
-4.9	3.2	0.0	-100.9	NA	NA	NA	1.1
-4.9	4.9	-1.2	-83.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	0.0
-4.6	3.8	0.7	239.8	NA	NA	NA	0.9
-4.9	2.4	3.5	-111.4	NA	NA	NA	1.7
-4.7	6.9	1.1	-78.9	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.0
-4.4	1.8	0.0	47.3	NA	NA	NA	0.3
-4.7	7.9	0.2	-105.1	NA	NA	NA	1.4
-4.8	2.3	1.8	-89.3	NA	NA	NA	1.3
-5.2	6.9	-1.4	26.5	-4.8	10.0	-4.2	1.0
-4.6	2.1	-1.1	231.4	NA	NA	NA	1.0
-4.6	8.0	6.7	-106.7	NA	NA	NA	1.9
NA	NA	0.3	NA	NA	NA	NA	1.1
-4.8	8.0	-3.3	18.1	NA	NA	NA	1.4
-4.4	4.9	-1.1	24.7	NA	NA	NA	0.5
NA	NA	-3.1	NA	NA	NA	NA	1.5
NA	NA	0.0	NA	NA	NA	NA	1.2
-4.8	7.5	1.6	23.2	NA	NA	NA	1.6
-4.6	2.8	-0.2	26.3	NA	NA	NA	1.0
NA	NA	1.5	NA	NA	NA	NA	1.3
NA	NA	-0.4	NA	NA	NA	NA	1.3
-4.6	8.0	-3.0	59.8	NA	NA	NA	1.7
-4.5	3.0	-1.1	50.1	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.1
NA	NA	1.2	NA	NA	NA	NA	0.7
-4.5	2.7	2.3	59.9	NA	NA	NA	1.5
NA	NA	-0.1	NA	NA	NA	NA	0.7
NA	NA	-0.5	NA	NA	NA	NA	1.1
NA	NA	2.3	NA	NA	NA	NA	1.0
-4.4	4.9	1.0	67.4	NA	NA	NA	1.6

ga	gw	zr	tp	la	lw	bt	er
-4.5	3.7	-1.2	51.2	NA	NA	NA	1.0
NA	NA	0.2	NA	NA	NA	NA	1.0
NA	NA	1.0	NA	NA	NA	NA	0.8
-4.5	4.1	-0.5	74.1	NA	NA	NA	1.6
-4.4	7.8	-0.8	65.1	NA	NA	NA	1.0
NA	NA	-1.2	NA	NA	NA	NA	1.6
NA	NA	-2.6	NA	NA	NA	NA	1.4
-4.6	1.2	-4.5	79.1	NA	NA	NA	1.7
-4.7	1.3	-1.9	76.0	NA	NA	NA	1.0
NA	NA	1.3	NA	NA	NA	NA	1.0
NA	NA	-1.6	NA	NA	NA	NA	1.2
-4.5	1.9	-1.1	55.8	NA	NA	NA	1.6
-4.5	1.7	-0.8	54.4	NA	NA	NA	1.0
NA	NA	-2.8	NA	NA	NA	NA	1.7
NA	NA	-0.4	NA	NA	NA	NA	0.9
-4.5	1.8	-1.0	59.7	NA	NA	NA	1.5
-4.6	1.6	-1.4	42.7	NA	NA	NA	1.0
NA	NA	2.1	NA	NA	NA	NA	1.1
NA	NA	0.3	NA	NA	NA	NA	0.6
-4.6	8.0	-1.1	45.5	NA	NA	NA	1.3
-4.5	3.6	-1.2	48.9	NA	NA	NA	1.0
NA	NA	0.6	NA	NA	NA	NA	1.3
-4.5	2.9	0.5	-29.4	NA	NA	NA	0.8
-4.6	1.7	1.6	92.5	NA	NA	NA	1.7
-4.6	1.6	-0.4	80.5	NA	NA	NA	1.0
NA	NA	1.2	NA	NA	NA	NA	1.4
NA	NA	-0.1	NA	NA	NA	NA	1.3
-4.7	1.0	-1.1	53.8	NA	NA	NA	1.4
-4.6	1.5	-1.4	59.6	NA	NA	NA	1.4
NA	NA	0.1	NA	NA	NA	NA	1.0
NA	NA	-0.9	NA	NA	NA	NA	1.7
-4.7	8.0	3.6	38.9	NA	NA	NA	1.5
-4.5	2.0	0.9	63.3	NA	NA	NA	1.0
NA	NA	0.0	NA	NA	NA	NA	0.6
NA	NA	0.2	NA	NA	NA	NA	0.6
-4.4	4.1	-1.3	91.2	NA	NA	NA	1.6
-4.4	4.4	-1.2	52.4	NA	NA	NA	1.0
NA	NA	0.8	NA	NA	NA	NA	1.2
NA	NA	0.8	NA	NA	NA	NA	1.1
-4.8	3.7	-2.2	25.3	NA	NA	NA	1.4
-4.5	4.4	-1.3	26.3	NA	NA	NA	0.5
NA	NA	1.9	NA	NA	NA	NA	0.8
NA	NA	0.9	NA	NA	NA	NA	0.5
-4.4	3.2	-2.2	89.5	NA	NA	NA	1.4
-4.6	8.0	-2.1	42.2	NA	NA	NA	1.0
NA	NA	1.1	NA	NA	NA	NA	1.4

<b>ga</b>	<b>gw</b>	<b>zr</b>	<b>tp</b>	<b>la</b>	<b>lw</b>	<b>bt</b>	<b>er</b>
NA	NA	0.7	NA	NA	NA	NA	1.0
-4.5	2.9	-0.4	58.3	NA	NA	NA	1.5
-4.6	4.1	-1.5	38.5	NA	NA	NA	1.0
NA	NA	3.5	NA	NA	NA	NA	1.5
NA	NA	1.0	NA	NA	NA	NA	1.0
-4.6	2.1	-3.7	67.6	NA	NA	NA	1.5
-4.4	3.9	-1.6	52.1	NA	NA	NA	1.0
NA	NA	2.4	NA	NA	NA	NA	1.4
NA	NA	0.5	NA	NA	NA	NA	0.5
-4.4	4.2	-6.5	81.7	NA	NA	NA	2.1
NA	NA	-2.6	NA	NA	NA	NA	2.0
NA	NA	3.0	NA	NA	NA	NA	1.2