BMDS Wizard Output Report

**Filename:** C:\Users\rapturous\Desktop\BMDS Wizard v1.10-continuousRelDev.xlsm

**Prepared on:** 6/1/2016 1:51:24 PM

[1.1. BMDS Summary of Female Mice Bodyweight () 2](#_Toc452552433)

## BMDS Summary of Female Mice Bodyweight ()

Table . Summary of BMD Modeling Results for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modela | Goodness of fit | | BMD10RD  () | BMDL10RD  () | Basis for model selection |
| *p*-value | AIC |
| Exponential (M2)b | 0.762 | 296.72 | 31.7 | 11.4 |  |
| Exponential (M3)c | 0.762 | 296.72 | 31.7 | 11.4 |
| Exponential (M4) | 0.796 | 298.02 | 9.06 | 0.0273 |
| Exponential (M5) | 0.695 | 299.71 | 11.2 | 0.0497 |
| Hill | 0.686 | 299.72 | 11.0 | 5.00E-14 |
| Powerd  Polynomial 4°e  Polynomial 2°f | 0.75 | 296.77 | 34.1 | 13.9 |
| Polynomial 3°g  Linearh | 0.75 | 296.77 | 34.1 | 13.9 |
| a Constant variance case presented (BMDS Test 2 *p*-value = 0.112, BMDS Test 3 *p*-value = 0.112), no model was selected as a best-fitting model.  b The Exponential (M2) model may appear equivalent to the Exponential (M3) model, however differences exist in digits not displayed in the table.  c The Exponential (M3) model may appear equivalent to the Exponential (M2) model, however differences exist in digits not displayed in the table.  d The Power model may appear equivalent to the Polynomial 3° model, however differences exist in digits not displayed in the table. This also applies to the Linear model.  e For the Polynomial 4° model, the b4 and b3 coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Polynomial 2° model.  f The Polynomial 2° model may appear equivalent to the Polynomial 3° model, however differences exist in digits not displayed in the table. This also applies to the Linear model.  g For the Polynomial 3° model, the b3 and b2 coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Linear model.  h The Linear model may appear equivalent to the Power model, however differences exist in digits not displayed in the table. This also applies to the Polynomial 4° model. This also applies to the Polynomial 2° model. | | | | | |

Plot of mean response by dose with fitted curve for Exponential (M2) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Exponential (M2) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Exponential (M3) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Exponential (M3) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Exponential (M4) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Exponential (M4) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Exponential (M5) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Exponential (M5) model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Hill model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Hill model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Power model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Power model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Polynomial 4° model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Polynomial 4° model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Polynomial 3° model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Polynomial 3° model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Polynomial 2° model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Polynomial 2° model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Plot of mean response by dose with fitted curve for Linear model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure . Plot of mean response by dose with fitted curve for Linear model with constant variance for Female Mice Bodyweight; BMR = 10% rel. dev. from control mean; dose shown in .