BMDS Wizard Output Report

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[1.1. BMDS Summary of Female Rat Bodyweight () 2](#_Toc452551716)

## BMDS Summary of Female Rat Bodyweight ()

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

| Modela | Goodness of fit | | BMD10RD | BMDL10RD | | Basis for model selection |
| --- | --- | --- | --- | --- | --- | --- |
|  | *p*-value | AIC | () | () | |  |
| Exponential (M2)  Exponential (M3)b | 0.575 | 360.49 | 95.3 | | 69.9 |  |
| Exponential (M4) | 0.601 | 361.45 | 89.1 | | 44.7 |  |
| Exponential (M5) | 0.699 | 362.30 | errorc | | 0 |  |
| Hill | 0.660 | 362.42 | errorc | | errorc |  |
| Powerd  Polynomial 4°e  Polynomial 3°f  Linearg | 0.547 | 360.65 | 96.2 | | 71.8 |  |
| Polynomial 2°h | 0.547 | 360.65 | 96.2 | | 71.8 |  |
| a Constant variance case presented (BMDS Test 2 *p*-value = 0.128, BMDS Test 3 *p*-value = 0.128), no model was selected as a best-fitting model.  b For the Exponential (M3) model, the estimate of d was 1 (boundary). The models in this row reduced to the Exponential (M2) model.  c BMD or BMDL computation failed for this model.  d For the Power model, the power parameter estimate was 1. The models in this row reduced to the Linear model.  e For the Polynomial 4° model, the b4 coefficient estimate was 0 (boundary of parameters space). The models in this row reduced to the Polynomial 3° model. For the Polynomial 4° model, the b4, b3, and b2 coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Linear model.  f 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.  g The Linear model may appear equivalent to the Polynomial 2° model, however differences exist in digits not displayed in the table.  h The Polynomial 2° 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 3° model. This also applies to the Linear model. | | | | | | |

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