BMDS Wizard Output Report

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

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[1.1. BMDS Summary of MaleMiceBodyweight () 2](#_Toc452541195)

## BMDS Summary of MaleMiceBodyweight ()

Table 1. Summary of BMD Modeling Results for MaleMiceBodyweight; 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 | 0.656 | 141.17 | 34.7 | 25.8 |  |
| Exponential (M4) | 0.845 | 141.89 | 25.8 | 13.3 |
| Exponential (M5) | 0.835 | 143.60 | 24.7 | 13.7 |
| Hill | 0.769 | 143.64 | 25.2 | 13.4 |
| Powerc  Polynomial 4°d  Polynomial 3°e  Polynomial 2°f  Linear | 0.597 | 141.43 | 35.8 | 27.3 |
| a Constant variance case presented (BMDS Test 2 *p*-value = 0.449, BMDS Test 3 *p*-value = 0.449), 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 For the Power model, the power parameter estimate was 1. The models in this row reduced to the Linear model.  d 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. 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.  e For the Polynomial 3° model, the b3 coefficient estimates was 0 (boundary of parameters space). The models in this row reduced to the Polynomial 2° model. 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.  f For the Polynomial 2° model, the b2 coefficient estimate was 0 (boundary of parameters space). The models in this row reduced to the Linear model. | | | | | |

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

Figure 1. Plot of mean response by dose with fitted curve for Exponential (M2) model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 2. Plot of mean response by dose with fitted curve for Exponential (M3) model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 3. Plot of mean response by dose with fitted curve for Exponential (M4) model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 4. Plot of mean response by dose with fitted curve for Exponential (M5) model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 5. Plot of mean response by dose with fitted curve for Hill model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 6. Plot of mean response by dose with fitted curve for Power model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 7. Plot of mean response by dose with fitted curve for Polynomial 4° model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 8. Plot of mean response by dose with fitted curve for Polynomial 3° model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

Figure 9. Plot of mean response by dose with fitted curve for Polynomial 2° model with constant variance for MaleMiceBodyweight; 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 MaleMiceBodyweight; BMR = 10% rel. dev. from control mean; dose shown in .

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