BMDS Wizard Output Report

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

**Prepared on:** 6/1/2016 10:44:08 AM

[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 |
| PowercPolynomial 4°dPolynomial 3°ePolynomial 2°fLinear | 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. |



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 .



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 .



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 .



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 .



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 .



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 .



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 .



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 .



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 .



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 .