BMDS Wizard Output Report

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

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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 |  |
| PowerdPolynomial 4°ePolynomial 3°fLinearg | 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. |



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 .



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 .



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 .



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 .



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 .



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 .



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 .



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 .



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 .



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 .