BMDS Wizard Output Report

**Filename:** C:\USEPA\BMDS260\Wizard\BMDS Wizard v1.10-dichotomous.xlsm

**Prepared on:** 1/19/2016 8:34:52 AM

[1.1. BMDS Summary of Male Rat Hyperplasia Hyperplasia Sebaceous Gland (Cedarwood Oil) 2](#_Toc440955840)

|  |  |  |  |
| --- | --- | --- | --- |
| **BMDS Wizard Bin Placement** | **BMDS Wizard Recommendation** | **BMDS Wizard Recommendation Notes** | **Include in Summary Table?** |
| Viable | Alternate |   | Include |
| Viable | Alternate | Lowest AICBMDS output file included warning | Include |
| Viable | Alternate |   | Include |
| Viable | Alternate | Lowest AIC | Include |
| Viable | Alternate |   | Include |
| Viable | Alternate |   | Include |
| Unusable | Unusable | BMD not calculatedBMDL not calculatedGoodness of fit p-value < 0.1 | Include |
| Viable | Alternate |   | Include |
| Viable | Alternate |   | Include |
| Viable | Recommended (lowest BMDL) | Lowest BMDL | Include |
| Questionable | Questionable | Goodness of fit p-value < 0.1BMDL 3x lower than lowest non-zero dose | Include |

## BMDS Summary of Male Rat Hyperplasia Hyperplasia Sebaceous Gland (Cedarwood Oil)

Table 1. Summary of BMD Modeling Results for CO- Male Rat Hyperplasia Sebaceous Gland

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modela | Goodness of fit | BMD10Pct () | BMDL10Pct () | Basis for model selection |
| *p*-value | AIC |
| Gamma | 0.990 | 9.4615 | 14.2 | 11.2 |  |
| Dichotomous-Hill | 1.000 | 8.5024 | 19.6 | 15.9 |
| Logistic | 1.000 | 10.502 | 22.5 | 12.2 |
| LogLogistic | 1.000 | 8.5024 | 19.6 | 12.0 |
| Probit | 1.000 | 10.502 | 20.5 | 12.0 |
| LogProbit | 1.000 | 10.502 | 19.5 | 12.0 |
| Weibull | error | 6.5046 | errorb | errorb |
| Multistage 4° | 0.908 | 11.236 | 12.2 | 9.21 |
| Multistage 3° | 0.680 | 13.754 | 10.2 | 7.49 |
| Multistage 2° | 0.281 | 18.515 | 7.37 | 5.15 |
| Quantal-Linear | 0.0145 | 30.513 | 2.55 | 1.74 |
| a No model was selected as a best-fitting model.b BMD or BMDL computation failed for this model. |