BMDS Wizard Output Report

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

**Prepared on:** 1/19/2016 9:06:56 AM

[1.1. BMDS Summary of Female Rat Hyperplasia Sebaceous Gland (Cedarwood Oil) 2](#_Toc440957764)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model Warnings** | **BMDS Wizard Bin Placement** | **BMDS Wizard Recommendation** | **BMDS Wizard Recommendation Notes** | **Include in Summary Table?** |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Recommended (lowest AIC) | Lowest AIC | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate | Lowest BMDL | Include |
| None | Viable | Alternate |   | Include |
| None | Viable | Alternate |   | Include |
| None | Questionable | Questionable | |Residual for Dose Group Near BMD| > 2BMD 3x lower than lowest non-zero doseBMDL 3x lower than lowest non-zero dose|Residual at control| > 2 | Include |

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Modela | Goodness of fit | BMD10Pct () | BMDL10Pct () | Basis for model selection |
| *p*-value | AIC |
| Gamma | 0.966 | 24.785 | 8.62 | 5.17 |  |
| Dichotomous-HillLogLogistic | 0.975 | 24.687 | 8.84 | 5.81 |
| Logistic | 0.799 | 26.243 | 8.43 | 5.34 |
| Probit | 0.833 | 25.930 | 8.37 | 5.12 |
| LogProbit | 0.988 | 24.432 | 8.82 | 5.88 |
| Weibull | 0.910 | 25.465 | 7.94 | 4.34 |
| Multistage 4° | 0.882 | 25.544 | 8.32 | 3.14 |
| Multistage 3° | 0.882 | 25.544 | 8.32 | 3.36 |
| Multistage 2° | 0.918 | 24.577 | 5.82 | 3.21 |
| Quantal-Linear | 0.265 | 32.114 | 1.90 | 1.30 |
| a No model was selected as a best-fitting model. |