BMDS Wizard Output Report

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

**Prepared on:** 1/19/2016 8:56:24 AM

[1.1. BMDS Summary of Male Rat Hyperplasia Ulcer Epidermis (Cedarwood Oil) 2](#_Toc440957130)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | Lowest AIC | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Alternate |  | Include |
| None | Viable | Recommended (lowest BMDL) | Lowest BMDL | Include |

## BMDS Summary of Male Rat Hyperplasia Ulcer Epidermis (Cedarwood Oil)

Table 1. Summary of BMD Modeling Results for CO- Male Rat Ulcer Epidermis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Modela | Goodness of fit | | BMD10Pct  () | BMDL10Pct  () | Basis for model selection |
| *p*-value | AIC |
| Gamma | 0.586 | 42.331 | 16.0 | 7.38 |  |
| Dichotomous-Hill | 0.524 | 43.379 | 18.0 | 9.36 |
| Logistic | 0.167 | 46.270 | 22.5 | 15.5 |
| LogLogistic | 0.672 | 41.767 | 16.8 | 8.79 |
| Probit | 0.189 | 45.971 | 21.8 | 15.2 |
| LogProbit | 0.654 | 41.878 | 16.2 | 8.93 |
| Weibull | 0.541 | 42.727 | 14.9 | 6.79 |
| Multistage 4°b  Multistage 3°c  Multistage 2° | 0.457 | 43.256 | 15.1 | 6.20 |
| Quantal-Linear | 0.453 | 43.233 | 7.65 | 5.15 |
| a No model was selected as a best-fitting model.  b For the Multistage 4° model, the beta coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Multistage 2° model.  c For the Multistage 3° model, the beta coefficient estimates were 0 (boundary of parameters space). The models in this row reduced to the Multistage 2° model. | | | | | |