# Summary of Analysis

Dose-response data quality good.
Best model found:log_logistic
Model fit might be unreliable.
p-val for chi-squared statistic was < 0.1 for all converged models.

## Model Predictions

| Model | Chi-squared | p-val | AIC | BMD10 | BMDL10 |
|---|---|---|---|---|---|
| logistic | 18.16 | 0.001 | 155.459 | 9.352 | 7.551 |
| gamma | nan | nan | nan | nan | nan |
| weibull | 9.328 | 0.025 | 148.53 | 4.985 | 4.177 |
| log_logistic | 6.948 | 0.074 | 145.581 | 5.615 | 3.606 |
| probit | 17.785 | 0.001 | 154.916 | 8.858 | 7.293 |
| log_probit | nan | nan | nan | nan | nan |
| multistage_2 | 21.931 | 0.0 | 161.376 | 12.418 | 9.132 |
| quantal_linear | nan | nan | nan | nan | nan |

# Scaled Residuals

| Model | dose0 | dose1 | dose2 | dose3 | dose4 | dose5 |
|---|---|---|---|---|---|---|
| logistic | 0.360086 | 1.744744 | 1.56144 | -2.962188 | -0.934186 | 1.703242 |
| gamma | nan | nan | nan | nan | nan | nan |
| weibull | -1.216986 | 1.161844 | 1.603714 | -1.637561 | -0.603713 | 0.937555 |
| log_logistic | -1.290887 | 1.007409 | 1.379501 | -1.310175 | -0.156963 | 0.788684 |
| probit | 0.210261 | 1.667582 | 1.518735 | -2.941478 | -1.132237 | 1.649009 |
| log_probit | nan | nan | nan | nan | nan | nan |
| multistage_2 | 0.707107 | 1.892051 | 1.487982 | -3.46724 | -1.864216 | 0.373881 |
| quantal_linear | nan | nan | nan | nan | nan | nan |

Dose-response with best fit model (log_logistic)