

## Summary of Analysis

Dose-response data quality good.  
Best model found: logistic

# Model Predictions

| Model          | Chi-squared | p-val | AIC     | BMD10         | BMDL10 |
|----------------|-------------|-------|---------|---------------|--------|
| logistic       | 1.775       | 0.777 | 117.38  | 30.041        | 24.062 |
| gamma          | nan         | nan   | nan     | nan           | nan    |
| weibull        | 2.465       | 0.482 | 120.138 | 27.389        | 19.752 |
| log_logistic   | 0.71        | 0.871 | 118.313 | 37.572        | 25.309 |
| probit         | 2.018       | 0.732 | 117.654 | 28.714        | 22.469 |
| log_probit     | 19.87       | 0.0   | 134.311 | 230598686.979 | nan    |
| multistage_2   | 724.335     | 0.0   | 405.774 | 1.604         | nan    |
| quantal_linear | nan         | nan   | nan     | nan           | nan    |

# Scaled Residuals

| Model          | dose0    | dose1     | dose2     | dose3    | dose4     | dose5     |
|----------------|----------|-----------|-----------|----------|-----------|-----------|
| logistic       | 0.157137 | -0.719966 | -0.459125 | 0.68304  | 0.616932  | -0.417249 |
| gamma          | nan      | nan       | nan       | nan      | nan       | nan       |
| weibull        | 0.21227  | -0.675495 | -0.413707 | 0.787494 | 0.755127  | -0.775886 |
| log_logistic   | 0.418109 | -0.418246 | -0.417762 | 0.430024 | -0.021041 | 0.008411  |
| probit         | 0.145647 | -0.725843 | -0.428863 | 0.735281 | 0.688536  | -0.520996 |
| log_probit     | 1.35028  | 0.771589  | 0.771589  | 1.35028  | -0.385794 | -3.857943 |
| multistage_2   | 1.296362 | 1.47213   | 3.429037  | 6.140359 | 15.838885 | 20.497682 |
| quantal_linear | nan      | nan       | nan       | nan      | nan       | nan       |

Dose-response with best fit model (logistic)

