

## Summary of Analysis

Dose-response data quality good.  
Best model found: log\_logistic

# Model Predictions

| Model          | Chi-squared | p-val | AIC     | BMD10  | BMDL10 |
|----------------|-------------|-------|---------|--------|--------|
| logistic       | 13.553      | 0.009 | 95.116  | 16.673 | 12.442 |
| gamma          | nan         | nan   | nan     | nan    | nan    |
| weibull        | 2.781       | 0.427 | 88.998  | 3.044  | 1.975  |
| log_logistic   | 2.183       | 0.535 | 88.15   | 3.13   | 1.201  |
| probit         | 12.797      | 0.012 | 94.485  | 14.882 | 11.434 |
| log_probit     | 3729.798    | 0.0   | 149.697 | 0.013  | nan    |
| multistage_2   | nan         | nan   | nan     | nan    | nan    |
| quantal_linear | nan         | nan   | nan     | nan    | nan    |

# Scaled Residuals

| Model          | dose0      | dose1     | dose2     | dose3    | dose4     | dose5    |
|----------------|------------|-----------|-----------|----------|-----------|----------|
| logistic       | 0.540441   | 0.540842  | 0.62113   | 1.485125 | -3.212578 | 0.237912 |
| gamma          | nan        | nan       | nan       | nan      | nan       | nan      |
| weibull        | -0.332818  | -0.313615 | -0.128551 | 1.33968  | -0.839598 | 0.236748 |
| log_logistic   | -0.32968   | -0.325968 | -0.207558 | 1.219218 | -0.589346 | 0.3025   |
| probit         | 0.488941   | 0.489437  | 0.57      | 1.454804 | -3.131144 | 0.270153 |
| log_probit     | -60.760094 | 0.690481  | 2.120716  | 4.448404 | 3.581788  | 0.64603  |
| multistage_2   | nan        | nan       | nan       | nan      | nan       | nan      |
| quantal_linear | nan        | nan       | nan       | nan      | nan       | nan      |

Dose-response with best fit model (log\_logistic)

