

## Summary of Analysis

Data resolution poor. Caution advised.  
Best model found:logistic

# Model Predictions

| Model          | Chi-squared | p-val | AIC    | BMD10 | BMDL10 |
|----------------|-------------|-------|--------|-------|--------|
| logistic       | 3.14        | 0.37  | 50.169 | 0.099 | 0.079  |
| gamma          | 2.015       | 0.365 | 50.782 | 0.118 | 0.105  |
| weibull        | 3.123       | 0.21  | 52.677 | 0.102 | nan    |
| log_logistic   | 2.015       | 0.365 | 50.782 | 0.121 | 0.111  |
| probit         | nan         | nan   | nan    | nan   | nan    |
| log_probit     | nan         | nan   | nan    | nan   | nan    |
| multistage_2   | nan         | nan   | nan    | nan   | nan    |
| quantal_linear | 4.089       | 0.252 | 52.007 | 0.091 | 0.052  |

# Scaled Residuals

| Model          | dose0    | dose1     | dose2     | dose3    | dose4     |
|----------------|----------|-----------|-----------|----------|-----------|
| logistic       | 0.495769 | -1.123694 | -0.51752  | 1.144333 | -0.233758 |
| gamma          | 0.726019 | -0.771596 | -0.641982 | 0.69325  | -0.000108 |
| weibull        | 0.669708 | -0.863989 | -0.435808 | 1.190815 | -0.565708 |
| log_logistic   | 0.72604  | -0.771534 | -0.641922 | 0.69327  | 6e-06     |
| probit         | nan      | nan       | nan       | nan      | nan       |
| log_probit     | nan      | nan       | nan       | nan      | nan       |
| multistage_2   | nan      | nan       | nan       | nan      | nan       |
| quantal_linear | 0.018439 | -0.602916 | 0.223901  | 1.52496  | -1.161867 |

Dose-response with best fit model (logistic)

