

Summary of Analysis

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

Model Predictions

| Model | Chi-squared | p-val | AIC | BMD10 | BMDL10 |
|----------------|-------------|-------|---------|--------|--------|
| logistic | 3.141 | 0.791 | 288.97 | 11.183 | 8.848 |
| gamma | nan | nan | nan | nan | nan |
| weibull | 1.889 | 0.864 | 289.646 | 19.055 | 16.526 |
| log_logistic | 1.732 | 0.885 | 289.452 | 22.466 | 14.944 |
| probit | 3.333 | 0.766 | 289.162 | 10.76 | 8.387 |
| log_probit | 1.78 | 0.879 | 289.499 | 22.749 | nan |
| multistage_2 | 123.9 | 0.0 | 398.495 | 1.769 | nan |
| quantal_linear | nan | nan | nan | nan | nan |

Scaled Residuals

| Model | dose0 | dose1 | dose2 | dose3 | dose4 | dose5 | dose6 | dose7 |
|----------------|-----------|----------|-----------|----------|----------|-----------|----------|-----------|
| logistic | -0.668507 | 0.133305 | -0.399636 | 0.326452 | 0.575793 | -0.328766 | 1.109211 | -0.859991 |
| gamma | nan | nan | nan | nan | nan | nan | nan | nan |
| weibull | 0.049574 | 0.495309 | -0.367625 | 0.125266 | 0.206554 | -0.920506 | 0.696436 | -0.339807 |
| log_logistic | 0.196756 | 0.631287 | -0.237506 | 0.198817 | 0.205165 | -1.070226 | 0.102778 | -0.02563 |
| probit | -0.698455 | 0.130489 | -0.379835 | 0.355177 | 0.609793 | -0.287477 | 1.114368 | -0.927997 |
| log_probit | 0.214697 | 0.648112 | -0.218719 | 0.214698 | 0.214762 | -1.083376 | 0.014005 | -0.004039 |
| multistage_2 | -1.333333 | 1.316014 | 2.071559 | 3.316129 | 4.046211 | 3.84321 | 6.863129 | 5.182421 |
| quantal_linear | nan | nan | nan | nan | nan | nan | nan | nan |

Dose-response with best fit model (logistic)

