

Summary of Analysis

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

Model Predictions

| Model | Chi-squared | p-val | AIC | BMD10 | BMDL10 |
|----------------|-------------|-------|---------|-------|--------|
| logistic | 3.611 | 0.461 | 134.645 | 2.308 | 1.876 |
| gamma | nan | nan | nan | nan | nan |
| weibull | 1.236 | 0.744 | 134.38 | 1.339 | 0.977 |
| log_logistic | 1.089 | 0.78 | 134.224 | 1.329 | 0.553 |
| probit | 3.064 | 0.547 | 134.091 | 2.143 | 1.732 |
| log_probit | 0.871 | 0.833 | 133.982 | 1.315 | nan |
| multistage_2 | 95.926 | 0.0 | 216.173 | 0.316 | nan |
| quantal_linear | nan | nan | nan | nan | nan |

Scaled Residuals

| Model | dose0 | dose1 | dose2 | dose3 | dose4 | dose5 |
|----------------|-----------|-----------|----------|-----------|-----------|----------|
| logistic | 0.396726 | 0.44935 | 0.697777 | -0.885397 | -1.160232 | 0.796899 |
| gamma | nan | nan | nan | nan | nan | nan |
| weibull | -0.224581 | -0.01382 | 0.687256 | -0.334882 | -0.601525 | 0.48866 |
| log_logistic | -0.204121 | -0.041127 | 0.650551 | -0.330387 | -0.53472 | 0.477218 |
| probit | 0.296363 | 0.361186 | 0.653196 | -0.867482 | -1.030497 | 0.777475 |
| log_probit | -0.136334 | -0.0954 | 0.562072 | -0.309263 | -0.475284 | 0.453309 |
| multistage_2 | 1.257237 | 1.612228 | 2.746479 | 2.973187 | 4.802607 | 7.23177 |
| quantal_linear | nan | nan | nan | nan | nan | nan |

Dose-response with best fit model (log_probit)

