

Summary of Analysis

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

Model Predictions

| Model | Chi-squared | p-val | AIC | BMD10 | BMDL10 |
|----------------|-------------|-------|---------|-------|--------|
| logistic | 8.023 | 0.155 | 151.238 | 5.298 | 4.329 |
| gamma | nan | nan | nan | nan | nan |
| weibull | 6.662 | 0.155 | 151.456 | 4.169 | 3.331 |
| log_logistic | 6.359 | 0.174 | 151.055 | 4.308 | 2.368 |
| probit | 7.47 | 0.188 | 150.57 | 4.895 | 4.002 |
| log_probit | 6.122 | 0.19 | 150.71 | 4.432 | nan |
| multistage_2 | 90.732 | 0.0 | 237.1 | 0.788 | nan |
| quantal_linear | nan | nan | nan | nan | nan |

Scaled Residuals

| Model | dose0 | dose1 | dose2 | dose3 | dose4 | dose5 | dose6 |
|----------------|----------|-----------|----------|-----------|----------|-----------|----------|
| logistic | 0.469273 | -0.919644 | 1.552028 | -0.167897 | 0.495264 | -1.881955 | 0.855909 |
| gamma | nan | nan | nan | nan | nan | nan | nan |
| weibull | 0.153854 | -1.422621 | 1.412059 | -0.195757 | 0.785899 | -1.288323 | 0.552147 |
| log_logistic | 0.226882 | -1.446507 | 1.371607 | -0.308692 | 0.759874 | -1.14719 | 0.587447 |
| probit | 0.33022 | -1.078518 | 1.505338 | -0.193914 | 0.557685 | -1.716007 | 0.798994 |
| log_probit | 0.332013 | -1.43572 | 1.31808 | -0.464264 | 0.748389 | -1.058897 | 0.562761 |
| multistage_2 | 1.296362 | 1.327319 | 3.408736 | 3.178649 | 4.638501 | 3.582074 | 5.58742 |
| quantal_linear | nan | nan | nan | nan | nan | nan | nan |

Dose-response with best fit model (probit)

