# Summary of Analysis

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

## Model Predictions

| Model | Chi-squared | p-val | AIC | BMD10 | BMDL10 |
|---|---|---|---|---|---|
| logistic | 4.976 | 0.29 | 175.525 | 1.921 | 1.54 |
| gamma | nan | nan | nan | nan | nan |
| weibull | 4.226 | 0.238 | 176.734 | 1.388 | 1.022 |
| log_logistic | 4.098 | 0.251 | 176.578 | 1.351 | 0.52 |
| probit | 4.809 | 0.308 | 175.342 | 1.803 | 1.437 |
| log_probit | 3.797 | 0.284 | 176.218 | 1.295 | nan |
| multistage_2 | 470.678 | 0.0 | 361.082 | 0.161 | nan |
| quantal_linear | nan | nan | nan | nan | nan |

## Scaled Residuals

| Model | dose0 | dose1 | dose2 | dose3 | dose4 | dose5 |
|---|---|---|---|---|---|---|
| logistic | -0.631129 | 0.645842 | 1.441005 | -1.300663 | -0.469776 | 0.414268 |
| gamma | nan | nan | nan | nan | nan | nan |
| weibull | -0.92869 | 0.452403 | 1.413001 | -1.039049 | -0.15266 | 0.244414 |
| log_logistic | -0.940245 | 0.428721 | 1.391548 | -1.019122 | -0.077564 | 0.222344 |
| probit | -0.699075 | 0.604226 | 1.430973 | -1.262609 | -0.40319 | 0.387705 |
| log_probit | -0.940014 | 0.380428 | 1.336823 | -0.971298 | -0.005101 | 0.195281 |
| multistage_2 | -0.471405 | 1.471538 | 3.797357 | 3.995028 | 11.428466 | 17.52999 |
| quantal_linear | nan | nan | nan | nan | nan | nan |

Dose-response with best fit model (probit)