

Summary of Analysis

Dose-response data quality good.

Best model found:log_logistic

Model fit might be unreliable.

p-val for chi-squared statistic was < 0.1 for all converged models.

Model Predictions

Model	Chi-squared	p-val	AIC	BMD10	BMDL10
logistic	24652.043	0.0	226.608	2.679	2.225
gamma	40.873	0.0	225.542	0.529	nan
weibull	nan	nan	nan	nan	nan
log_logistic	32.57	0.0	185.115	2.426	1.61
probit	3539.427	0.0	255.403	3.386	2.888
log_probit	793.907	0.0	541.376	0.0	nan
multistage_2	62.813	0.0	209.036	1.202	nan
quantal_linear	56.734	0.0	207.418	1.237	0.741

Scaled Residuals

Model	dose0	dose1	dose2	dose3	dose4	dose5	dose6	dose7
logistic	1.552112	1.454553	1.022219	0.747413	-3.276049	-1.664115	-0.407032	156.946639
gamma	0.888889	2.108772	2.084936	1.987804	-3.078426	-3.413889	-2.397324	0.677682
weibull	nan	nan	nan	nan	nan	nan	nan	nan
log_logistic	0.126532	-0.22612	-0.29788	1.398259	-1.10215	-1.01684	-0.791555	5.252024
probit	2.397607	2.235864	1.726253	0.989879	-4.294619	-3.601692	-1.366519	59.088373
log_probit	-2.432381	15.576104	16.330075	16.194045	3.710004	-0.44008	-1.120814	1.114732
multistage_2	0.888889	1.454358	1.477398	1.761415	-2.616538	-2.436845	-1.312531	6.333686
quantal_linear	0.888889	1.428471	1.432156	1.682504	-2.72097	-2.524819	-1.372397	5.775812

Dose-response with best fit model (log_logistic)

