

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	514.552	0.0	229.317	0.081	0.067
gamma	95.487	0.0	198.567	0.055	0.039
weibull	72.112	0.0	203.324	0.043	0.036
log_logistic	65.229	0.0	173.301	0.068	0.054
probit	177.326	0.0	244.231	0.092	0.078
log_probit	nan	nan	nan	nan	nan
multistage_2	88.263	0.0	239.894	0.08	nan
quantal_linear	57.822	0.0	204.321	0.03	0.025

Scaled Residuals

Model	dose0	dose1	dose2	dose3	dose4	dose5	dose6	dose7
logistic	0.357965	2.205877	2.020769	2.651309	-0.036475	-5.675355	-1.084243	21.565206
gamma	-2.095467	1.345948	1.481602	2.384126	0.297934	-4.641336	-1.403507	7.602922
weibull	-2.141265	1.606976	1.862369	2.698597	0.642973	-4.751844	-1.805113	5.286014
log_logistic	-2.302185	1.030361	0.860172	1.954307	0.355999	-2.932932	-0.066623	6.750901
probit	0.785951	2.453361	2.242705	2.816152	0.013302	-6.753964	-2.876668	10.190076
log_probit	nan	nan	nan	nan	nan	nan	nan	nan
multistage_2	1.202738	2.765648	2.611987	3.16497	0.567091	-6.182609	-3.092457	3.770712
quantal_linear	-2.241275	1.885683	2.275127	3.080917	1.155927	-4.55218	-2.102111	2.845594

Dose-response with best fit model (log_logistic)

