

## 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	93.776	0.0	170.886	2.041	1.565
gamma	52.294	0.0	167.778	1.189	nan
weibull	40.872	0.0	154.731	1.251	0.504
log_logistic	22.755	0.0	122.338	0.882	0.48
probit	65.04	0.0	178.229	2.781	2.256
log_probit	23.247	0.0	126.588	0.758	nan
multistage_2	nan	nan	nan	nan	nan
quantal_linear	40.872	0.0	152.731	1.251	nan

# Scaled Residuals

Model	dose0	dose1	dose2	dose3	dose4	dose5
logistic	2.551567	3.255584	-3.393769	-3.640708	4.89742	5.282943
gamma	0.117851	1.713039	-4.839318	-5.026812	-0.478718	-0.654791
weibull	0.117851	1.649005	-4.279642	-4.155397	1.333869	0.881537
log_logistic	-0.751636	1.67792	-1.006172	-1.886778	3.595	1.370635
probit	2.994316	3.589049	-3.585772	-4.45997	1.798077	2.685342
log_probit	-0.673795	1.984298	-1.429295	-2.250827	3.144468	1.363329
multistage_2	nan	nan	nan	nan	nan	nan
quantal_linear	0.117851	1.649005	-4.279642	-4.155397	1.333869	0.881537

Dose-response with best fit model (log\_logistic)

