

## 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	19.854	0.003	182.085	0.366	0.302
gamma	10.479	0.063	173.701	0.198	0.127
weibull	44.553	0.0	203.993	0.754	nan
log_logistic	9.501	0.091	172.645	0.189	0.123
probit	17.977	0.006	180.037	0.335	0.278
log_probit	nan	nan	nan	nan	nan
multistage_2	18.787	0.002	186.685	0.216	nan
quantal_linear	nan	nan	nan	nan	nan

# Scaled Residuals

Model	dose0	dose1	dose2	dose3	dose4	dose5	dose6	dose7
logistic	-0.107667	1.423131	0.764728	1.536308	0.908436	-1.535681	-3.166293	1.28961
gamma	-1.62793	0.927801	0.190168	1.234027	0.753161	-0.858591	-1.658178	1.163992
weibull	0.848742	1.946079	1.37499	1.974498	1.337672	-1.473227	-5.478478	-0.532028
log_logistic	-1.685734	0.901813	0.144688	1.212425	0.749489	-0.733653	-1.405413	1.13125
probit	-0.325358	1.327107	0.642788	1.457504	0.828172	-1.546075	-2.939795	1.36159
log_probit	nan	nan	nan	nan	nan	nan	nan	nan
multistage_2	0.229571	1.639051	1.126189	1.833939	1.38558	-0.264007	-1.07207	2.877003
quantal_linear	nan	nan	nan	nan	nan	nan	nan	nan

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

