

## 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	18.16	0.001	155.459	9.352	7.551
gamma	nan	nan	nan	nan	nan
weibull	9.328	0.025	148.53	4.985	4.177
log_logistic	6.948	0.074	145.581	5.615	3.606
probit	17.785	0.001	154.916	8.858	7.293
log_probit	nan	nan	nan	nan	nan
multistage_2	21.931	0.0	161.376	12.418	9.132
quantal_linear	nan	nan	nan	nan	nan

# Scaled Residuals

Model	dose0	dose1	dose2	dose3	dose4	dose5
logistic	0.360086	1.744744	1.56144	-2.962188	-0.934186	1.703242
gamma	nan	nan	nan	nan	nan	nan
weibull	-1.216986	1.161844	1.603714	-1.637561	-0.603713	0.937555
log_logistic	-1.290887	1.007409	1.379501	-1.310175	-0.156963	0.788684
probit	0.210261	1.667582	1.518735	-2.941478	-1.132237	1.649009
log_probit	nan	nan	nan	nan	nan	nan
multistage_2	0.707107	1.892051	1.487982	-3.46724	-1.864216	0.373881
quantal_linear	nan	nan	nan	nan	nan	nan

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

