

S2 Table. Summary of GLMM results used to examine the effects of sediment and organic loads on *Ctenochaetus striatus*. SE = standard error. Negative binomial models used a *t* statistic while binomial models used a *z* statistic.

Response variable	Model used	Predictor variable	Estimate	SE	<i>t/z</i> value	<i>p</i> value
Sediment Load Experiment						
Number of Bites	Negative-binomial (GLMM)	Intercept	5.0339	0.1334	37.72	<0.0001
		Sediment Load	-0.0027	0.0004	-6.35	<0.0001
Proportion of bites rejected	Binomial (GLMM)	Intercept	-5.7662	0.3472	-16.61	<0.0001
		Sediment Load	0.0070	0.0010	7.27	<0.0001
Proportion of feeding bouts with multiple bites	Binomial (GLMM)	Intercept	1.4865	0.1540	9.654	<0.0001
		Sediment Load	-0.0035	0.0005	-6.915	<0.0001
Organic Load Experiment						
Number of Bites	Negative-binomial (GLMM)	Intercept	4.3616	0.1819	23.976	<0.0001
		Organic Load	-0.0064	0.0129	-0.499	0.618
Proportion of bites rejected	Binomial (GLMM)	Intercept	-3.995	0.3237	-12.342	<0.0001
		Organic Load	0.0348	0.0220	1.583	0.113
Proportion of feeding bouts with multiple bites	Binomial (GLMM)	Intercept	0.6937	0.1881	3.689	<0.001
		Organic Load	-0.0143	0.0134	-1.067	0.286