

**Table S2.** Procrustes ANOVA of larval shape variation to explore the effect of genus, family, ecomorphological guild, and developmental stage as factors.

	df	SS	MS	Rsq	F	Z	p-value
<i>Tadpole' shape ~ Gosner * family</i>							
Gosner	2	0.017	0.009	0.008	0.51	-0.49	0.67
Family	3	0.496	0.165	<b>0.219</b>	98.14	39.72	<b>&lt;0.01</b>
Gosner: Family	6	0.071	0.012	0.031	0.70	-0.54	0.70
Residuals	100	168.458	0.017	0.742			
Total	111	226.889					
<i>Tadpole' shape ~ Gosner * genus</i>							
Gosner	2	0.017	0.009	0.008	0.63	-0.23	0.59
Genus	12	102.129	0.085	<b>0.450</b>	62.19	46.96	<b>&lt;0.01</b>
Gosner: Genus	14	0.094	0.007	0.042	0.49	-17.70	0.96
Residuals	83	113.593	0.014	0.501			
Total	111	226.889					
<i>Tadpole' shape ~ Gosner * ecomorphological guild</i>							
Gosner	2	0.017	0.009	0.008	0.50	-0.53	0.69
Guild	3	0.439	0.146	<b>0.193</b>	84.20	38.40	<b>&lt;0.01</b>
Gosner: Guild	5	0.058	0.012	0.026	0.67	-0.59	0.72
Residuals	101	175.489	0.017	0.773			
Total	111	226.889					