

DIGITAL APPENDIX 4

Multiple regression analysis for the first three relative warps (RW) of the lower pharyngeal jaw (LPJ) and head (HD) against the proportions of the alimentary categories recovered in the genus *Herichthys*

	Independent	Dependent	Slope	P-value	Independent	Dependent	Slope	P-value	Independent	Dependent	Slope	P-value		
Arthropodes	LPJ-RW1	0.090	0.087	-	Invertebrates	LPJ-RW1	0.007	0.950	-	LPJ-RW1	0.034	0.461		
	LPJ-RW2	0.087	-	0.002	non arthropods	LPJ-RW2	0.138	0.014	-	LPJ-RW2	0.031	0.218		
	LPJ-RW3	0.084	-	0.000		LPJ-RW3	0.042	0.298	Sanils and shells	LPJ-RW3	0.026	0.155		
	HD-RW1	0.236	-	0.000		HD-RW1	0.344	-	0.001	HD-RW1	0.269	-	0.000	
	HD-RW2	0.558	-	0.000		HD-RW2	0.363	-	0.000	HD-RW2	0.164	-	0.000	
	HD-RW3	0.041	-	0.274		HD-RW3	0.025	-	0.734	HD-RW3	0.149	-	0.000	
Algae	LPJ-RW1	0.027	-	0.559	Plants material	LPJ-RW1	0.030	-	0.497	LPJ-RW1	0.043	-	0.298	
	LPJ-RW2	0.054	-	0.032		LPJ-RW2	0.011	-	0.659	LPJ-RW2	0.028	-	0.207	
	LPJ-RW3	0.061	-	0.001		LPJ-RW3	0.069	-	0.000	Detritus	LPJ-RW3	0.055	-	0.001
	HD-RW1	0.295	-	0.000		HD-RW1	0.266	-	0.000	HD-RW1	0.207	-	0.000	
	HD-RW2	0.288	-	0.000		HD-RW2	0.376	-	0.000	HD-RW2	0.287	-	0.000	
	HD-RW3	0.140	-	0.000		HD-RW3	0.080	-	0.013	HD-RW3	0.116	-	0.000	
Fishes	LPJ-RW1	0.061	-	0.165	R ² and R values for each Relative Warp	LPJ-RW1	0.171	-	0.414					
	LPJ-RW2	0.060	-	0.013		LPJ-RW2	0.390	-	0.624					
	LPJ-RW3	0.065	-	0.000		LPJ-RW3	0.092	-	0.303					
	HD-RW1	0.345	-	0.000		HD-RW1	0.090	-	0.300					
	HD-RW2	0.332	-	0.000		HD-RW2	0.456	-	0.675					
	HD-RW3	0.057	-	0.089		HD-RW3	0.101	-	0.318					

Scatter plot graphs of the relative warps scores (RW) of the lower pharyngeal jaw (LPJ) and head (HD) of the genus *Herichthys*. (A) RW1 vs RW2, (B) RW1 vs RW3 of the LPJ; (C) RW1 vs RW2, (D) RW1 vs RW3 of the HD.

