

TABLE S6 | Correlation values between morphological trait and environmental variables obtained by the RLQ analysis. Codes: Temp: Temperature, DO: Dissolved oxygen, Cond: Conductivity, Turb: Turbidity, Rock: Rocky substrate, Woody: Woody debris, BackW: backwater. CI = Compression index; RWPd = Relative width of caudal peduncle; RAD = Relative area of dorsal fin; ARC = Aspect ratio of caudal fin; ARA = Aspect ratio of anal fin; ARPt = Aspect ratio of pectoral fin; ARPv = Aspect ratio of pelvic fin; RHHd = Relative height of head; RHM = Relative height of the mouth; RWM = Relative height of the mouth; ERP = Eye relative position; MO = Mouth orientation.

	CI	RWPd	RAD	ARC	ARA	ARPt	ARPv	RHHd	RWHd	RHM	RWM	ERP	MO	FC
Temp	-0.028	-0.035	0.118	0.065	0.020	0.018	0.033	0.038	-0.046	0.020	0.095	-0.013	-0.014	0.023
DO	-0.003	-0.148	-0.274	-0.282	0.013	0.034	-0.200	0.056	0.203	0.050	-0.080	0.124	0.168	0.054
pH	0.070	-0.337	-0.339	-0.410	-0.027	0.273	-0.263	0.164	0.213	0.161	-0.049	0.182	0.376	0.117
Cond	0.028	0.355	0.418	0.452	-0.005	-0.113	0.336	-0.218	-0.324	-0.209	0.111	-0.214	-0.354	-0.194
Turb	-0.220	0.292	0.441	0.487	-0.058	-0.329	0.298	-0.032	-0.202	-0.045	0.164	-0.105	-0.359	-0.007
Depth	-0.005	-0.063	-0.069	-0.057	0.071	-0.107	-0.054	-0.001	0.075	-0.031	0.009	0.011	-0.059	-0.009
Width	-0.063	0.478	0.512	0.545	-0.062	-0.149	0.418	-0.170	-0.368	-0.149	0.036	-0.254	-0.364	-0.142
Rocky	0.148	-0.353	-0.343	-0.419	-0.091	0.413	-0.241	0.131	0.133	0.139	-0.056	0.126	0.435	0.065
Pebbles	-0.112	-0.126	-0.098	-0.087	-0.008	-0.107	-0.093	0.132	0.125	0.107	-0.013	0.097	0.013	0.118
Gravel	-0.079	0.353	0.287	0.361	0.094	-0.359	0.203	-0.198	-0.101	-0.184	0.067	-0.095	-0.369	-0.110
Sand	-0.131	0.510	0.539	0.612	-0.012	-0.300	0.423	-0.146	-0.331	-0.153	0.047	-0.270	-0.484	-0.117
Woody	0.160	-0.485	-0.474	-0.540	0.080	0.297	-0.366	0.133	0.244	0.108	-0.061	0.155	0.383	0.076
Rapids	-0.271	0.000	-0.033	-0.013	-0.197	-0.139	-0.045	0.200	0.152	0.204	0.009	0.165	0.104	0.200
Backw	0.232	0.022	0.040	0.036	0.237	0.041	0.033	-0.211	-0.120	-0.220	0.005	-0.154	-0.156	-0.192
Pools	-0.083	0.000	0.073	0.025	-0.244	0.193	0.103	0.171	-0.098	0.176	-0.050	-0.008	0.142	0.096



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