TABLE S4 | Summary of taxon-specific responses to change in the environmental gradient, as determined by the TITAN for distance from dams by HU. A. sppmax table: including maximum IndVal values, the tip point, the z-score, and the direction of the response. The Filter column indicates the taxon classification (0 = unreliable; 1 = pure and reliable decreaser; 2 = pure and reliable increaser). B. sumz table: Taxa that exhibited a significant and pure response along the environmental gradient.

HU	Family	ienv.cp	zenv.cp	freq	maxgrp	IndVal	obsiv.prob	zscore	0.05	0.1	0.5	0.9	0.95	purity	reliability	z.median	filter
Furnas	Callichthyidae	2.952	2.952	8	1	47.1	0.180	1.300	0.609	1.381	2.606	2.985	3.046	0.660	0.435	2.193	0
Furnas	Characidae	3.247	3.247	19	1	74.1	0.110	1.210	0.384	0.496	2.099	3.438	3.438	0.660	0.420	1.682	0
Furnas	Cichlidae	1.694	2.018	6	1	33.3	0.130	0.890	0.601	0.609	1.694	2.072	2.327	0.740	0.340	1.731	0
Furnas	Erythrinidae	2.435	2.435	8	1	35.6	0.380	0.600	0.609	0.839	1.904	2.697	3.216	0.680	0.235	1.575	0
Furnas	Gymnotidae	2.018	2.018	9	1	39.7	0.170	1.110	0.496	0.816	1.737	2.592	3.281	0.765	0.400	1.967	0
Furnas	Heptapteridae	2.952	2.952	6	1	25.9	0.470	0.050	0.611	1.161	1.737	2.952	3.281	0.495	0.175	-0.988	0
Furnas	Loricariidae	1.164	1.164	3	2	18.8	0.440	0.520	1.164	1.249	1.580	3.384	3.386	0.495	0.205	1.478	0
Furnas	Poeciliidae	1.164	1.164	14	2	42.5	0.480	-0.110	0.918	1.372	2.018	3.332	3.388	0.520	0.180	1.022	0
Furnas	Trichomycteridae	2.435	2.435	10	2	60.9	0.060	2.550	0.611	0.923	2.327	2.697	2.954	0.890	0.605	2.629	0
Nova Ponte	Callichthyidae	1.097	1.097	8	1	34.2	0.090	1.580	0.943	1.025	1.199	3.029	3.029	0.610	0.610	2.518	0
Nova Ponte	Characidae	1.997	2.179	32	1	80.8	0.020	2.190	0.900	1.097	1.997	2.209	2.340	0.925	0.785	2.547	0
Nova Ponte	Cichlidae	0.821	0.821	3	1	38.8	0.040	4.260	0.757	0.757	0.901	1.271	1.395	0.970	0.710	4.761	0
Nova Ponte	Crenuchidae	2.779	2.779	14	2	53.2	0.070	1.810	0.821	0.833	2.519	2.779	2.788	0.575	0.695	2.726	0
Nova Ponte	Erythrinidae	1.097	1.097	5	1	26.6	0.040	2.080	0.705	0.901	1.097	2.262	2.593	0.925	0.530	2.895	0
Nova Ponte	Gymnotidae	2.432	1.508	6	1	27.8	0.060	1.930	0.962	1.104	1.632	2.432	2.553	0.905	0.510	2.469	0
Nova Ponte	Heptapteridae	1.508	1.346	23	1	53.8	0.120	1.430	0.785	0.833	1.508	3.216	3.359	0.760	0.440	2.067	0
Nova Ponte	Loricariidae	3.191	3.191	28	1	66.2	0.190	1.140	0.709	0.860	1.095	3.191	3.205	0.440	0.490	2.038	0
Nova Ponte	Parodontidae	0.848	0.848	11	1	41.9	0.180	1.240	0.757	0.785	1.346	2.858	3.206	0.550	0.465	2.072	0
Nova Ponte	Poeciliidae	0.901	0.901	9	1	60.3	0.010	5.010	0.580	0.757	0.901	2.841	3.004	0.775	0.740	3.674	0
Nova Ponte	Trichomycteridae	0.901	0.901	27	2	61.7	0.230	0.910	0.709	0.859	1.206	3.029	3.231	0.755	0.455	1.950	0
São Simão	Anostomidae	1.157	1.157	6	2	23.1	0.270	1.020	1.157	1.383	2.478	3.887	3.939	0.500	0.260	1.746	0
São Simão	Callichthyidae	3.167	3.167	25	1	59.1	0.090	1.430	0.854	1.124	2.994	3.402	3.474	0.735	0.525	2.229	0
São Simão	Characidae	1.264	2.082	33	2	59.8	0.250	0.730	0.707	0.846	1.763	2.994	3.402	0.670	0.455	1.969	0
São Simão	Cichlidae	1.868	1.868	9	1	39.2	0.020	2.160	1.157	1.476	1.781	2.946	3.885	0.785	0.605	2.591	0
São Simão	Crenuchidae	0.833	2.864	22	2	58.4	0.140	1.370	0.678	0.829	2.168	2.994	3.095	0.610	0.615	2.493	0
São Simão	Erythrinidae	2.736	2.736	3	2	27.3	0.020	3.750	2.102	2.326	2.736	2.864	2.937	0.960	0.595	3.828	0
São Simão	Gymnotidae	3.575	3.167	3	2	42.9	0.010	9.090	2.680	2.799	3.402	3.887	3.907	0.975	0.810	6.747	0
São Simão	Heptapteridae	2.736	2.082	22	2	62.6	0.020	2.840	1.199	1.684	2.529	3.095	3.888	0.865	0.670	2.886	0
São Simão	Loricariidae	0.833	1.802	31	2	57.7	0.170	0.940	0.837	0.964	2.056	3.907	4.200	0.710	0.420	1.815	0
São Simão	Parodontidae	3.885	3.885	13	2	54.2	0.060	1.850	0.584	0.833	2.994	4.200	4.474	0.740	0.540	2.270	0
São Simão	Poeciliidae	2.864	2.864	4	1	16.0	0.470	0.740	0.582	0.710	1.868	2.799	2.864	0.705	0.235	1.619	0
São Simão	Sternopygidae	1.716	1.802	5	1	22.7	0.110	1.970	0.711	1.021	1.716	2.922	3.167	0.840	0.420	2.500	0
São Simão	Synbranchidae	2.326	2.326	3	1	14.3	0.240	1.000	1.261	1.264	1.701	2.387	2.480	0.735	0.190	1.558	0
Volta Grande	Characidae	3.770	1.897	25	1	86.6	0.010	2.640	1.394	1.713	1.894	2.655	3.089	0.985	0.895	2.916	0
Volta Grande	Cichlidae	3.076	3.460	5	1	23.8	0.370	0.760	1.088	1.134	1.825	3.076	3.076	0.385	0.210	1.721	0
Volta Grande	Crenuchidae	2.243	2.243	11	2	40.3	0.250	0.630	1.002	1.088	1.887	3.666	3.964	0.745	0.330	1.647	0
Volta Grande	Gymnotidae	3.076	3.076	6	1	30.0	0.310	1.080	0.951	1.088	1.774	3.076	3.200	0.715	0.340	1.974	0
Volta Grande	Heptapteridae	1.772	1.886	15	2	48.6	0.070	1.710	0.955	1.275	1.724	3.460	3.654	0.860	0.545	2.381	0
Volta Grande	Loricariidae	1.943	2.243	26	1	66.1	0.070	1.830	0.702	0.861	1.963	3.792	3.992	0.755	0.535	2.258	0
Volta Grande	Poeciliidae	3.770	3.770	6	2	37.3	0.040	2.180	1.253	1.253	1.902	3.992	3.992	0.745	0.425	1.979	0
Volta Grande	Trichomycteridae	3.770	3.076	14	2	50.0	0.130	1.340	0.955	1.248	2.243	3.770	3.964	0.835	0.530	2.163	0

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