

**TABLE S5** | Ecomorphological indices values of the species evaluated in streams of Iguaçú River basin, Brazil. Codes: 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 width of the mouth; ERP = Eye relative position; MO = Mouth orientation.

Species	CI	RWPd	RAD	ARC	ARA	ARPt	ARPv	RHHd	RWHd	RHM	RWM	ERP	MO
<i>Psalidodon bifasciatus</i>	2.51	0.30	0.01	34.65	42.73	31.21	27.90	0.59	0.86	0.22	0.65	0.52	2
<i>Astyanax dissimilis</i>	2.13	0.26	0.00	12.51	36.93	31.07	24.19	0.58	0.94	0.30	0.74	0.66	2
<i>Psalidodon gymnodontus</i>	2.14	0.24	0.00	23.83	36.41	27.96	23.38	0.63	0.88	0.25	0.68	0.57	2
<i>Astyanax lacustris</i>	3.00	0.21	0.01	40.04	45.37	30.05	30.24	0.47	0.93	0.18	0.74	0.56	2
<i>Astyanax minor</i>	2.22	0.28	0.00	24.63	36.71	26.97	23.71	0.57	0.88	0.27	0.68	0.61	2
<i>Ancistrus mullerae</i>	0.61	0.20	0.01	27.32	20.63	25.72	21.13	0.91	1.17	1.03	0.81	0.74	4
<i>Bryconamericus ikaa</i>	2.37	0.30	0.00	27.92	37.87	29.83	27.62	0.52	0.87	0.22	0.58	0.58	3
<i>Corydoras carlae</i>	1.29	0.24	0.00	16.53	33.02	27.08	22.39	0.65	0.96	0.18	0.40	0.67	3
<i>Geophagus brasiliensis</i>	2.29	0.25	0.01	17.41	43.39	25.71	34.60	0.66	0.96	0.21	0.57	0.68	2
<i>Gymnotus inaequilabiatus</i>	1.81	0.00	0.00	0.00	313.35	13.76	0.00	0.39	0.95	0.25	0.68	0.65	1
<i>Gymnotus paraguensis</i>	1.86	0.00	0.00	0.00	268.18	15.11	0.00	0.40	0.96	0.26	0.70	0.66	1
<i>Gymnotus sylvius</i>	1.87	0.00	0.00	0.00	363.32	14.55	0.00	0.41	0.99	0.24	0.69	0.62	1
<i>Hypostomus ancistroides</i>	0.86	0.39	0.01	28.09	28.95	31.61	23.76	0.71	1.03	0.60	0.63	0.72	4
<i>Hypostomus derbyi</i>	0.80	0.31	0.01	25.83	26.25	28.49	23.26	0.80	1.04	0.62	0.62	0.54	4
<i>Heptapterus</i> sp.	1.03	0.15	0.00	33.15	52.46	20.31	19.08	0.74	1.09	0.47	0.73	0.66	3
<i>Hoplias</i> aff. <i>malabaricus</i>	1.39	0.26	0.00	24.95	38.25	24.45	38.94	0.74	0.84	0.40	0.76	0.51	2
<i>Phalloceros harpagos</i> (female)	1.57	0.41	0.01	52.22	21.96	19.81	40.05	0.57	0.78	0.29	0.36	0.54	1
<i>Poecilia reticulata</i> (female)	1.40	0.41	0.01	65.11	19.57	19.31	33.04	0.55	0.74	0.29	0.37	0.61	1
<i>Phalloceros harpagos</i> (male)	1.89	0.53	0.01	58.82	39.02	23.10	33.92	0.59	0.77	0.29	0.48	0.52	1
<i>Poecilia reticulata</i> (male)	1.55	0.44	0.01	73.02	39.08	19.58	40.71	0.65	0.88	0.34	2.45	0.59	1
<i>Rhamdia branneri</i>	1.16	0.24	0.00	25.42	37.53	19.22	18.97	0.61	1.06	0.37	0.66	0.63	2
<i>Rhamdia voulezi</i>	1.17	0.25	0.00	27.60	37.18	20.27	19.95	0.59	1.05	0.37	0.65	0.62	2
<i>Synbranchus marmoratus</i>	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.85	0.47	0.77	0.64	2
<i>Cambeva davisii</i>	1.54	0.32	0.00	29.34	30.86	18.27	19.07	0.63	1.56	0.40	0.91	0.72	3
<i>Cambeva mboycei</i>	1.44	0.34	0.00	29.47	31.14	19.37	23.15	0.53	1.25	0.38	0.65	0.80	3
<i>Cambeva</i> sp. 1	1.52	0.32	0.00	26.07	30.01	17.49	19.89	0.61	1.50	0.35	0.87	0.72	3
<i>Cambeva</i> sp. 2	1.62	0.31	0.00	24.61	28.29	18.47	18.09	0.62	1.63	0.30	0.92	0.70	3
<i>Cambeva stawiarski</i>	1.58	0.32	0.00	24.59	28.58	17.55	21.09	0.60	1.51	0.38	0.94	0.76	3



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