

TABLE S2 | Systematic position of species, number of individuals measured by species, and their respective relative abundances (%) for fish fauna in streams of Iguaçú River basin, Brazil. Codes: S1: Manuel Gomes stream, S2: Pedregulho stream, S3: Arquimedes stream, S4: Bom Retiro stream, S5: Rio da Paz stream, S6: Nene stream, S7: Cascavel stream, S8: Afluente Quati stream, S9: Quati stream, N: Number of analyzed specimens, * indicates non-native species according to Baumgartner *et al.* (2012); **inconclusive source data (Baumgartner *et al.*, 2012; Reis *et al.*, 2020); ***not described (Reis *et al.*, 2020). NUP = Núcleo de Pesquisas em Limnologia, Ictiologia e Aquicultura, Universidade Estadual de Maringá, PR, Brazil.

Taxon	N	Voucher number	S1	S2	S3	S4	S5	S6	S7	S8	S9
OSTEICHTHYES											
CHARACIFORMES											
Characidae											
<i>Bryconamericus ikaa</i> Casciotta, Almirón & Azpelicueta, 2004	62	NUP 19032	30 / 33.4	29 / 6.3			2 / 5.2			1 / 0.4	
<i>Astyanax dissimilis</i> Garavello & Sampaio, 2010	7	NUP 19024	7 / 0.5								
<i>Astyanax lacustris</i> (Lütken, 1875)	4	NUP 21191						4 / 1.9			
<i>Astyanax minor</i> Garavello & Sampaio, 2010	60	NUP 19026	30 / 4.1	0 / 0.2			0 / 5.2	0 / 3.4	30 / 9.3		
<i>Psalidodon bifasciatus</i> Garavello & Sampaio, 2010	211	NUP 19029	30 / 22	35 / 21.5	18 / 1.9	74 / 39.5	4 / 29.9	22 / 25.1	11 / 9.5	17 / 18	
<i>Psalidodon gymnodontus</i> Eigenmann, 1911	76	NUP 19030	30 / 4.5		44 / 22.1					0.2 / 0.1	
Erythrinidae											
<i>Hoplias</i> aff. <i>malabaricus</i> (Bloch, 1794)	3			0.3 / 0.9							
CICHLIFORMES											
Cichlidae											
<i>Geophagus brasiliensis</i> (Quoy & Gaimard, 1824)	24	NUP 21157						24 / 20.2			0 / 0.1
CYPRINODONTIFORMES											
Poeciliidae											
<i>Phalloceros harpagos</i> Lucinda, 2008	125	NUP 21219		46 / 18	39 / 21.4			9 / 7.6			18 / 28.2
<i>Poecilia reticulata</i> Peters, 1859*	68	NUP 21218			13 / 1.4	43 / 26.1		0.6 / 0.3			20 / 59.8
GYMNOTIFORMES											
Gymnotidae											
<i>Gymnotus inaequilabiatus</i> (Valenciennes, 1839)*	177	NUP 21214				2 / 0.4		9 / 3.4	1 / 0.6	2 / 0.9	3 / 0.3
<i>Gymnotus paraguensis</i> Albert & Crampton, 2003*	8					2 / 0.4		6 / 3.4			
<i>Gymnotus sylvius</i> Albert & Fernandes-Matioli, 1999*	39	NUP 21199				10 / 2.7	8 / 10.4	18 / 10.6	4 / 0.9	1 / 1.3	



TABLE S2 | (Continued)

Taxon	N	Voucher number	S1	S2	S3	S4	S5	S6	S7	S8	S9
SILURIFORMES											
Callichthyidae											
<i>Corydoras carlae</i> Nijssen & Isbrücker, 1983	17	NUP 21181	17 / 1.23								
Heptapteridae											
<i>Heptapterus</i> sp.***	23				23 / 0.3						
<i>Rhamdia branneri</i> Haseman, 1911	81	NUP 19046	22 / 1.6	7 / 1.4	30 / 4.2		2 / 5.2		18 / 5.4	1 / 0.4	1 / 0.1
<i>Rhamdia voulezi</i> Haseman, 1911	36	NUP 19045	5 / 0.4	1 / 0.2	07 / 0.1	1 / 0.2	2 / 10.4		15 / 10.6	4 / 1.8	1 / 0.2
Loricariidae											
<i>Ancistrus mullerae</i> Bifi, Pavanelli & Zawadzki, 2009	129	NUP 19708	30 / 23.5	21 / 16	55 / 29.4	14 / 3.1	0 / 5.2		9 / 13.6	0 / 4.9	
<i>Hypostomus ancistroides</i> (Ihering, 1911)*	15	NUP 21172							1 / 0.2		14 / 2.8
<i>Hypostomus derbyi</i> (Haseman, 1911)	36	NUP 21215		4 / 0.8		3 / 0.4		1 / 9.5	1 / 1.3	8 / 6.7	19 / 8.5
Trichomycteridae											
<i>Cambeva</i> sp. 1	48	NUP 21223				0 / 0.4			12 / 9.5	36 / 30.9	0 / 0.1
<i>Cambeva</i> sp. 2	6	NUP 21225		1 / 2.8					0 / 4.5	5 / 9.4	
<i>Cambeva davisi</i> (Haseman, 1911)	83	NUP 21221		27 / 15.2	28 / 13.8	0 / 1.1	0.7 / 26		5 / 6.5	16 / 17	
<i>Cambeva mboycy</i> (Wosiacki & Garavello, 2004)	14	NUP 19051							14 / 4.5		
<i>Cambeva stawiarski</i> (Miranda Ribeiro, 1968)	140	NUP 21220	30 / 8.8	37 / 17	17 / 1.8	30 / 24.7	2 / 2.6	0 / 10.3	14 / 23.4	10 / 6.7	
SYNBRANCHIFORMES											
Synbranchidae											
<i>Synbranchus marmoratus</i> Bloch, 1795**	6	NUP 21158				3 / 0.9		2 / 1.5			1 / 0.07



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