

SUPPLEMENTARY MATERIAL S3

TABLE S3 | List of species collected in this study with their respective scientific names and authors, current valid names, and reference numbers registered in scientific collections. The acronym of reference numbers refers to the following scientific collections: NUP, Coleção Ictiológica do Núcleo de Pesquisas em Limnologia, Ictiologia e Aqüicultura, Universidade Estadual de Maringá, Maringá; DZSJRP, Departamento de Zoologia e Botânica, Universidade Estadual Paulista "Júlio de Mesquita Filho", São José do Rio Preto; MZUSP, Museu de Zoologia da Universidade de São Paulo, São Paulo; ZUFMS-PIS, Coleção Zoológica de Referência da Universidade Federal de Mato Grosso do Sul, Campo Grande; CPUEMS, Coleção de Peixes da Universidade Estadual de Mato Grosso do Sul, Dourados; MZUEL, Museu de Zoologia, Universidade Estadual de Londrina, Londrina.

Order/Family/Species	Current valid names	Reference number in scientific collection
Characiformes		
Anostomidae		
<i>Leporinus friderici</i> (Bloch, 1794)		NUP 9375
Characidae		
<i>Astyanax lacustris</i> (Lütken, 1875)		NUP 9378
<i>Astyanax lineatus</i> (Perugia, 1891)		NUP 17179
<i>Astyanax</i> sp.1		NUP 17162
<i>Astyanax</i> sp.2		NUP 17543
<i>Astyanax</i> sp.3		ZUFMS-PIS 04065
<i>Astyanax eigenmanniorum</i> Cope, 1894	<i>Psalidodon eigenmanniorum</i> (Cope, 1894)	MZUSP 85420.0
<i>Astyanax fasciatus</i> (Cuvier, 1819)	<i>Astyanax altior</i> Hubbs, 1936	NUP 17163
<i>Astyanax paranae</i> Eigenmann, 1914	<i>Psalidodon paranae</i> (Eigenmann, 1914)	GPUEMS 523
<i>Bryconamericus exodon</i> Eigenmann, 1907		GPUEMS 51
<i>Creagrutus meridionalis</i> Vari & Harold, 2001		GPUEMS 307
<i>Jupiaba acanthogaster</i> (Eigenmann, 1911)		NUP 17168
<i>Moenkhausia bonita</i> Benine, Castro & Sabino, 2004		NUP 9317
<i>Moenkhausia forestii</i> Benine, Mariguela & Oliveira, 2009		NUP 9318
<i>Moenkhausia oligolepis</i> (Günther, 1864)		GPUEMS 531
<i>Oligosarcus pintoii</i> Amaral Campos, 1945		NUP 9315
<i>Piabina argentea</i> Reinhardt, 1867		NUP 9323
<i>Piabarchus stramineus</i> Eigenmann, 1908		GPUEMS 119
<i>Piabarchus torrenticola</i> Mahner & Géry, 1988		GPUEMS 64
<i>Psellogrammus kennedyi</i> (Eigenmann, 1903)		NUP 9321
<i>Roeboides descalvadensis</i> Fowler, 1932		NUP 9363
<i>Serrapinnus notomelas</i> (Eigenmann, 1915)		NUP 9937
Crenuchidae		
<i>Characidium</i> sp.		NUP 17172
<i>Characidium gomesi</i> Travassos, 1956		GPUEMS 248
<i>Characidium laterale</i> (Boulenger, 1845)		MZUEL 14344
<i>Characidium zebra</i> Eigenmann, 1909		NUP 9353
Erythrinidae		
<i>Hoplias malabaricus</i> (Bloch, 1794)	<i>Hoplias misionera</i> Rosso, Mabragaña, González-Castro, Delpiani, Avigliano, Schenone & Días de Astarloa, 2016	MZUEL 14495
Lebiasinidae		
<i>Pyrrhulina australis</i> Eigenmann & Kennedy, 1903		NUP 9356
Parodontidae		
<i>Apareiodon ibitiensis</i> Amaral Campos, 1944		MZUSP 85418
<i>Apareiodon piracicabae</i> (Eigenmann, 1907)		NUP 9934
<i>Parodon nasus</i> Kner, 1859		GPUEMS 138
Cichliformes		
Cichlidae		
<i>Cichlasoma paranaense</i> Kullander, 1983		NUP 9385



TABLE 3 | (Continued)

Order/Family/Species	Current valid names	Reference number in scientific collection
<i>Crenicichla britskii</i> Kullander, 1982		MZUSP 85416
<i>Crenicichla lepidota</i> Heckel, 1840		CPUEMS 5
<i>Crenicichla</i> sp.		CPUEMS 803
Cyprinodontiformes		
Poeciliidae		
<i>Poecilia reticulata</i> Peters, 1859		NUP 9379
Gymnotiformes		
Gymnotidae		
<i>Gymnotus inaequilabiatus</i> (Valenciennes, 1839)		CPUEMS 697
<i>Gymnotus</i> sp.		ZUFMS-PIS 04043
Siluriformes		
Auchenipteridae		
<i>Trachelyopterus galeatus</i> (Linnaeus, 1766)		NUP9377
Callichthyidae		
<i>Callichthys callichthys</i> (Linnaeus, 1758)		NUP 9359
<i>Corydoras aeneus</i> (Gill, 1858)		NUP 9362
Heptapteridae		
<i>Imparfinis schubarti</i> (Gomes, 1956)		NUP 9348
<i>Imparfinis</i> sp.		ZUFMS-PIS 04054
<i>Phenacorhamdia tenebrosa</i> (Schubart, 1964)		MZUSP 85419
<i>Rhamdia quelen</i> (Quoy & Gaimard, 1824)		MZUEL 14499
Loricariidae		
<i>Ancistrus</i> sp.		NUP 9332
<i>Curculionichthys insperatus</i> (Britski & Garavello, 2003)		MZUSP 85735
<i>Hisonotus</i> sp.		MZUSP 85734
<i>Hypostomus ancistroides</i> (Ihering, 1911)		MZUEL 14450
<i>Hypostomus iheringii</i> (Regan, 1908)		NUP 9354
<i>Hypostomus khimaera</i> Tencatt, Zawadzki & Froehlich, 2014		CPUEMS 62
<i>Hypostomus latirostris</i> (Regan, 1904)		ZUFMS-PIS 04050
<i>Hypostomus</i> sp.1		NUP 17537
<i>Hypostomus</i> sp.2		MZUSP 85424
<i>Loricaria coximensis</i> Rodriguez, Cavallaro & Thomas, 2012		NUP 17538
<i>Loricaria luciae</i> Thomas, Rodriguez, Carvallaro, Froehlich & Castro, 2013		ZUFMS-PIS 03840
<i>Loricariichthys platymetopon</i> Isbrücker & Nijssen, 1979		NUP 9338
<i>Rineloricaria lanceolata</i> (Günther, 1868)		NUP 9336
Synbranchiformes		
Synbranchidae		
<i>Synbranchus marmoratus</i> Bloch, 1795		NUP 9357

Neotropical Ichthyology



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