

SUPPLEMENTARY MATERIAL S1

TABLE S1 | Spreadsheet with the species names, authors, families, orders, and functional traits used in the analysis. Currently, *Corydoras ellisae* is a synonym of *C. aurofrenatus*. Alg = algivorous; Carn = carnivore; Det = detritivorous; Hem = hematophagous; Herb = herbivorous; Ins = insectivorous; Inv = Invertivorous; Lep = lepidophagus; Mal = malacophagus; Muc = mucophagus; Omn = omnivorous; Oop = oophagus; Pisc = piscivorous; B = benthopelagic; D = demersal; P = pelagic; PA = parasite; Low = lower; Ter = terminal; Sub = subterminal; Sup = superior.

Species names	Authors	Family	Order	Diet	Migratory	Parental care	IF	Habitat	Mouth position	Length mm
<i>Abramites hypselonotus</i>	Günther, 1868	Anostomidae	Characiformes	Omn	0	0	0	P	Ter	140
<i>Acestrorhynchus lacustris</i>	Lütken, 1875	Acestrorhynchidae	Characiformes	Pisc	0	0	0	B	Ter	420
<i>Acestrorhynchus pantaneiro</i>	Menezes, 1992	Acestrorhynchidae	Characiformes	Pisc	0	0	0	B	Ter	232
<i>Acrobrycon ipaquianus</i>	Cope, 1877	Stevardiinae	Characiformes	Omn	0	1	1	B	Ter	120
<i>Aequidens plagiozonatus</i>	Kullander, 1984	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	103
<i>Ageneiosus inermis</i>	Linnaeus, 1766	Auchenipteridae	Siluriformes	Pisc	0	1	1	P	Ter	600
<i>Ageneiosus militaris</i>	Valenciennes, 1835	Auchenipteridae	Siluriformes	Pisc	0	1	1	P	Ter	381
<i>Ageneiosus ucayalensis</i>	Castelnau, 1855	Auchenipteridae	Siluriformes	Pisc	0	1	1	P	Ter	365
<i>Amaralia oviraptor</i>	Friel & Carvalho, 2016	Aspredinidae	Siluriformes	Oop	0	0	0	D	Low	123
<i>Amblydoras nheco</i>	Higuchi, Birindelli, Sousa & Britski, 2007	Doradidae	Siluriformes	Omn	0	0	0	B	Sub	70
<i>Ammocryptocharax lateralis</i>	Boulenger, 1895	Crenuchidae	Characiformes	Omn	0	0	0	B	Ter	28
<i>Anadoras weddellii</i>	Castelnau, 1855	Doradidae	Siluriformes	Omn	0	0	0	D	Ter	150
<i>Ancistrus abilhoai</i>	Bifi, Pavanelli & Zawadzki, 2009	Loricariidae	Siluriformes	Det	0	1	0	B	Low	106
<i>Ancistrus agostinhoi</i>	Bifi, Pavanelli & Zawadzki, 2009	Loricariidae	Siluriformes	Det	0	1	0	B	Low	96
<i>Ancistrus cirrhosus</i>	Valenciennes, 1836	Loricariidae	Siluriformes	Alg	0	1	0	D	Low	89
<i>Ancistrus cuiabae</i>	Knaack, 1999	Loricariidae	Siluriformes	Det	0	1	0	D	Low	115
<i>Ancistrus dubius</i>	Eigenmann & Eigenmann, 1889	Loricariidae	Siluriformes	Det	0	1	0	D	Low	126
<i>Ancistrus mullerae</i>	Bifi, Pavanelli & Zawadzki, 2009	Loricariidae	Siluriformes	Det	0	1	0	B	Low	125
<i>Ancistrus piriformis</i>	Muller, 1989	Loricariidae	Siluriformes	Det	0	1	0	D	Low	83
<i>Apareiodon affinis</i>	Steindachner, 1879	Parodontidae	Characiformes	Det	0	0	0	B	Low	156
<i>Apareiodon ibitiensis</i>	Amaral Campos, 1944	Parodontidae	Characiformes	Det	0	0	0	B	Low	113
<i>Apareiodon piracicabae</i>	Eigenmann, 1907	Parodontidae	Characiformes	Det	0	0	0	B	Low	120
<i>Apareiodon vittatus</i>	Garavello, 1977	Parodontidae	Characiformes	Det	0	0	0	B	Low	89
<i>Apareiodon vladii</i>	Pavanelli, 2006	Parodontidae	Characiformes	Det	0	0	0	B	Low	113
<i>Aphyocharax anisitsi</i>	Eigenmann & Kennedy, 1903	Characidae	Characiformes	Inv	0	0	0	B	Ter	66
<i>Aphyocharax dentatus</i>	Eigenmann & Kennedy, 1903	Characidae	Characiformes	Omn	0	0	0	B	Ter	60
<i>Aphyocharax nattereri</i>	Steindachner, 1882	Characidae	Characiformes	Ins	0	0	0	B	Ter	31
<i>Aphyocharax rathbuni</i>	Eigenmann, 1907	Characidae	Characiformes	Omn	0	0	0	B	Ter	27
<i>Aphyocheirodon hemigrammus</i>	Eigenmann, 1915	Characidae	Characiformes	Omn	0	0	0	B	Ter	48
<i>Apistogramma borellii</i>	Regan, 1906	Cichlidae	Cichliformes	Ins	0	1	0	B	Ter	39
<i>Apistogramma commbrae</i>	Regan, 1906	Cichlidae	Cichliformes	Inv	0	1	0	B	Ter	50
<i>Apistogramma inconspicua</i>	Kullander, 1983	Cichlidae	Cichliformes	Inv	0	1	0	B	Ter	38
<i>Apistogramma trifasciata</i>	Eigenmann & Kennedy, 1903	Cichlidae	Cichliformes	Zoo	0	1	0	B	Ter	38
<i>Apteronotus albifrons</i>	Linnaeus, 1766	Apteronotidae	Gymnotiformes	Inv	0	0	0	B	Ter	360
<i>Apteronotus brasiliensis</i>	Reinhardt, 1852	Apteronotidae	Gymnotiformes	Omn	0	0	0	B	Ter	505
<i>Apteronotus caudimaculosus</i>	de Santana, 2003	Apteronotidae	Gymnotiformes	Inv	0	0	0	B	Ter	290
<i>Apteronotus ellisi</i>	Alonso de Arámburu, 1957	Apteronotidae	Gymnotiformes	Inv	0	0	0	B	Ter	280
<i>Aspidoras fuscoguttatus</i>	Nijssen & Isbrücker, 1976	Callichthyidae	Siluriformes	Ins	0	1	0	B	Sub	38



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Astronotus crassipinnis</i>	Heckel, 1840	Cichlidae	Cichliformes	Pisc	0	1	0	B	Ter	323
<i>Astyanacinus moorii</i>	Boulenger, 1892	Characidae	Characiformes	Omn	0	0	0	B	Ter	100
<i>Astyanax abramis</i>	Jenyns, 1842	Cichlidae	Cichliformes	Omn/Ins	0	0	0	B	Ter	140
<i>Astyanax alleni</i>	Eigenmann & McAtee, 1907	Cichlidae	Cichliformes	Omn	0	0	0	P	Ter	64
<i>Astyanax biotae</i>	Castro & Vari, 2004	Cichlidae	Cichliformes	Zoo	0	0	0	B	Ter	52
<i>Astyanax dissimilis</i>	Garavello & Sampaio, 2010	Cichlidae	Cichliformes	Her	0	0	0	B	Ter	136
<i>Astyanax lacustris</i>	Lütken, 1875	Cichlidae	Cichliformes	Ins	0	0	0	P	Ter	135
<i>Astyanax lineatus</i>	Perugia, 1891	Cichlidae	Cichliformes	Omn	0	0	0	B	Ter	120
<i>Astyanax minor</i>	Garavello & Sampaio, 2010	Cichlidae	Cichliformes	Det	0	0	0	B	Ter	108
<i>Astyanax serratus</i>	Garavello & Sampaio, 2010	Cichlidae	Cichliformes	Omn	0	0	0	B	Ter	120
<i>Auchenipterus nigripinnis</i>	Boulenger, 1895	Auchenipteridae	Siluriformes	Her	0	1	1	B	Ter	202
<i>Auchenipterus osteomystax</i>	Miranda Ribeiro, 1918	Auchenipteridae	Siluriformes	Ins	0	1	1	B	Ter	338
<i>Australoheros angiru</i>	Říčan, Piálek, Almirón & Casciotta, 2011	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	77
<i>Australoheros facetus</i>	Jenyns, 1842	Cichlidae	Cichliformes	Inv	0	1	0	B	Ter	193
<i>Australoheros kaaygua</i>	Casciotta, Almirón & Gómez, 2006	Cichlidae	Cichliformes	Inv	0	1	0	B	Ter	94
<i>Austrolebias monstrosus</i>	Huber, 1995	Cynolebiidae	Cyprinodontiformes	Ins	0	0	0	B	Sup	150
<i>Austrolebias nigripinnis</i>	Regan, 1912	Rivulidae	Cyprinodontiformes	Inv	0	0	0	B	Sup	70
<i>Austrolebias vandenbergorum</i>	Huber, 1995	Rivulidae	Cyprinodontiformes	Ins	0	1	0	B	Sup	90
<i>Bergiaria westermanni</i>	Lütken, 1874	Pimelodidae	Siluriformes	Det	0	0	0	D	Sub	197
<i>Brachyhalcinus retrospina</i>	Boulenger, 1892	Characidae	Characiformes	Her	0	0	0	B	Ter	69
<i>Brochiloricaria chauliodon</i>	Isbrücker, 1979	Loricariidae	Siluriformes	Inv	0	0	0	D	Low	282
<i>Brochiloricaria macrodon</i>	Kner, 1853	Loricariidae	Siluriformes	Det	0	0	0	D	Low	268
<i>Brycon hilarii</i>	Valenciennes, 1850	Bryconidae	Characiformes	Her	1	0	0	B	Ter	302
<i>Brycon melanopterus</i>	Cope, 1872	Bryconidae	Characiformes	Her	1	0	0	B	Ter	380
<i>Brycon nattereri</i>	Günther, 1864	Bryconidae	Characiformes	Omn	0	0	0	B	Ter	290
<i>Brycon orbignyanus</i>	Valenciennes, 1850	Bryconidae	Characiformes	Her	1	0	0	B	Ter	620
<i>Bryconamericus coeruleus</i>	Jerep & Shibatta, 2017	Characidae	Characiformes	Ins	0	0	0	B	Sub	71.3
<i>Bryconamericus exodon</i>	Eigenmann, 1907	Characidae	Characiformes	Ins	0	0	0	B	Ter	62
<i>Bryconamericus iheringii</i>	Boulenger, 1887	Characidae	Characiformes	Det	0	0	0	B	Sub	114
<i>Bryconamericus ikaa</i>	Casciotta, Almirón & Azpelicueta, 2004	Characidae	Characiformes	Ins	0	0	0	B	Sub	60
<i>Bryconamericus indefessus</i>	Mirande, Aguilera & Azpelicueta, 2004	Characidae	Characiformes	Ins	0	0	0	B	Ter	49
<i>Bryconamericus pyahu</i>	Azpelicueta, Casciotta & Almirón, 2003	Characidae	Characiformes	Ins	0	0	0	B	Sub	51
<i>Bryconamericus rubropictus</i>	Berg, 1901	Characidae	Characiformes	Ins	0	0	0	B	Ter	82
<i>Bryconamericus turiuba</i>	Langeani, Lucena, Pedrini & Tarelho-Pereira, 2005	Characidae	Characiformes	Ins	0	0	0	B	Ter	61
<i>Bujurquina vittata</i>	Heckel, 1840	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	90
<i>Bunocephalus doriae</i>	Boulenger, 1902	Aspredinidae	Siluriformes	Inv	0	1	0	D	Sub	83
<i>Bunocephalus larai</i>	Ihering, 1930	Aspredinidae	Siluriformes	Omn	0	1	0	D	Sub	56
<i>Callichthys callichthys</i>	Linnaeus, 1758	Callichthyidae	Siluriformes	Inv	0	1	0	D	Ter	240
<i>Cambeva castroi</i>	de Pinna, 1992	Trichomycteridae	Siluriformes	Ins	0	0	0	B	Ter	148
<i>Cambeva davisi</i>	Haseman, 1911	Trichomycteridae	Siluriformes	Ins	0	0	0	B	Ter	63
<i>Cambeva diabola</i>	Bockmann, Casatti & de Pinna, 2004	Trichomycteridae	Siluriformes	Inv	0	0	0	D	Ter	225
<i>Cambeva iheringi</i>	Eigenmann, 1917	Trichomycteridae	Siluriformes	Ins	0	0	0	B	Ter	161
<i>Cambeva naipi</i>	Wosiacki & Garavello, 2004	Trichomycteridae	Siluriformes	Ins	0	0	0	B	Ter	122



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Cambeva papillifera</i>	Wosiacki & Garavello, 2004	Trichomycte- ridae	Siluriformes	Inv	0	0	0	D	Sub	127
<i>Cambeva stawiarski</i>	Miranda Ribeiro, 1968	Trichomycte- ridae	Siluriformes	Ins	0	0	0	B	Ter	85
<i>Catathyridium jenynsii</i>	Günther, 1862	Achiridae	Pleuronecti- formes	Pisc	0	0	0	D	Ter	270
<i>Catoprion mento</i>	Cuvier, 1819	Serrasalmidae	Characiformes	Lep	0	0	0	P	Sup	150
<i>Cetopsis gobioides</i>	Kner, 1858	Cetopsidae	Siluriformes	Pisc	0	0	0	D	Ter	109
<i>Cetopsorhamdia itheringi</i>	Schubart & Gomes, 1959	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	111
<i>Chaetobranchopsis australis</i>	Eigenmann & Ward, 1907	Cichlidae	Cichliformes	Zoo	0	1	0	B	Ter	120
<i>Characidium borellii</i>	Boulenger, 1895	Crenuchidae	Characiformes	Omn	0	0	0	B	Ter	66
<i>Characidium gomesi</i>	Travassos, 1956	Crenuchidae	Characiformes	Inv	0	0	0	B	Ter	65
<i>Characidium heirmostigmata</i>	da Graça & Pavanelli, 2008	Crenuchidae	Characiformes	Inv	0	0	0	B	Ter	54
<i>Characidium nupelia</i>	da Graça, Pavanelli & Buckup, 2008	Crenuchidae	Characiformes	Omn	0	0	0	B	Ter	32
<i>Characidium rachovii</i>	Regan, 1913	Crenuchidae	Characiformes	Inv	0	0	0	B	Ter	43
<i>Characidium schubarti</i>	Travassos, 1955	Crenuchidae	Characiformes	Ins	0	0	0	B	Ter	51
<i>Characidium zebra</i>	Eigenmann, 1909	Crenuchidae	Characiformes	Inv	0	0	0	B	Sub	70
<i>Charax leticiae</i>	Lucena, 1987	Characidae	Characiformes	Ins	0	0	0	B	Ter	100
<i>Charax stenopterus</i>	Cope, 1894	Characidae	Characiformes	Carn	0	0	0	B	Ter	94
<i>Cheirodon interruptus</i>	Jenyns, 1842	Characidae	Characiformes	Omn	0	0	0	B	Ter	58
<i>Cheirodon stenodon</i>	Eigenmann, 1915	Characidae	Characiformes	Her	0	0	0	B	Ter	33
<i>Cichlasoma dimerus</i>	Heckel, 1840	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	117
<i>Cichlasoma paranaense</i>	Kullander, 1983	Cichlidae	Cichliformes	Pisc	0	1	0	B	Ter	171
<i>Clupeacharax anchoveoides</i>	Pearson, 1924	Triporthidae	Characiformes	Zoo	0	0	0	P	Ter	80
<i>Cnesterodon decemmaculatus</i>	Jenyns, 1842	Poeciliidae	Cyprinodon- tiformes	Planc	0	1	1	B	Sup	36
<i>Cnesterodon hypselurus</i>	Lucinda & Garavello, 2001	Poeciliidae	Cyprinodon- tiformes	Zoo	0	1	1	B	Sup	30
<i>Cnesterodon raddai</i>	Meyer & Etzel, 2001	Poeciliidae	Cyprinodon- tiformes	Zoo	0	1	1	B	Sup	23
<i>Corydoras aeneus</i>	Gill, 1858	Callichthyidae	Siluriformes	Inv	0	1	0	B	Low	83
<i>Corydoras areio</i>	Knaack, 2000	Callichthyidae	Siluriformes	Omn	0	0	0	D	Sub	50
<i>Corydoras aurofrenatus</i>	Eigenmann & Kennedy, 1903	Callichthyidae	Siluriformes	Omn	0	1	0	D	Low	55
<i>Corydoras carlae</i>	Nijssen & Isbrücker, 1983	Callichthyidae	Siluriformes	Omn	0	1	0	D	Low	53
<i>Corydoras difluviatilis</i>	Britto & Castro, 2002	Callichthyidae	Siluriformes	Det/Alg/ Ins	0	1	0	D	Sub	47
<i>Corydoras ehrhardti</i>	Steindachner, 1910	Callichthyidae	Siluriformes	Ins	0	1	0	B	Sub	47
<i>Corydoras ellisae</i>	Gosline, 1940	Callichthyidae	Siluriformes	Omn	0	1	0	D	Sub	50
<i>Corydoras hastatus</i>	Eigenmann & Eigenmann, 1888	Callichthyidae	Siluriformes	Omn	0	1	0	D	Sub	24
<i>Corydoras micracanthus</i>	Regan, 1912	Callichthyidae	Siluriformes	Omn	0	0	0	D	Sub	40
<i>Corydoras paleatus</i>	Jenyns, 1842	Callichthyidae	Siluriformes	Inv	0	1	0	B	Low	69
<i>Corydoras pantanalensis</i>	Knaack, 2001	Callichthyidae	Siluriformes	Omn	0	0	0	D	Sub	69
<i>Corydoras polystictus</i>	Regan, 1912	Callichthyidae	Siluriformes	Omn	0	1	0	D	Sub	35
<i>Corydoras undulatus</i>	Regan, 1912	Callichthyidae	Siluriformes	Omn	0	0	0	D	Sub	44
<i>Creagrutus meridionalis</i>	Vari & Harold, 2001	Characidae	Characiformes	Inv	0	0	0	B	Sub	62
<i>Creagrutus varii</i>	Ribeiro, Benine & Figueiredo, 2004	Characidae	Characiformes	Inv	0	0	0	B	Ter	42
<i>Crenicichla britskii</i>	Kullander, 1982	Cichlidae	Cichliformes	Ins	0	1	0	B	Ter	195
<i>Crenicichla haroldoi</i>	Luengo & Britski, 1974	Cichlidae	Cichliformes	Ins	0	1	0	B	Ter	215
<i>Crenicichla iguassuensis</i>	Haseman, 1911	Cichlidae	Cichliformes	Pisc	0	1	0	B	Ter	140
<i>Crenicichla jaguarensis</i>	Haseman, 1911	Cichlidae	Cichliformes	Pisc	0	1	0	B	Ter	148



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Crenicichla jupiaensis</i>	Britski & Luengo, 1968	Cichlidae	Cichliformes	Pisc	0	1	0	B	Ter	93
<i>Crenicichla lepidota</i>	Heckel, 1840	Cichlidae	Cichliformes	Carn	0	1	0	B	Ter	180
<i>Crenicichla mandelburgeri</i>	Kullander, 2009	Cichlidae	Cichliformes	Carn	0	1	0	P	Ter	208
<i>Crenicichla niederleini</i>	Holmberg, 1891	Cichlidae	Cichliformes	Ins	0	1	0	B	Ter	195
<i>Crenicichla semifasciata</i>	Heckel, 1840	Cichlidae	Cichliformes	Carn	0	1	0	B	Ter	177
<i>Crenicichla tesay</i>	Casciotta & Almirón, 2009	Cichlidae	Cichliformes	Carn	0	1	0	B	Ter	115
<i>Crenicichla tuca</i>	Piálek, Dragová, Casciotta, Almirón & Ričan, 2015	Cichlidae	Cichliformes	Pisc	0	1	0	B	Ter	150
<i>Crenicichla vittata</i>	Heckel, 1840	Cichlidae	Cichliformes	Carn	0	1	0	B	Ter	260
<i>Curculionichthys insperatus</i>	Britski & Garavello, 2003	Loricariidae	Siluriformes	Alg	0	1	0	D	Low	30
<i>Curculionichthys piracanjuba</i>	Martins & Langeani, 2012	Loricariidae	Siluriformes	Alg	0	0	0	D	Low	27
<i>Curimatella dorsalis</i>	Eigenmann & Eigenmann, 1889	Curimatidae	Characiformes	Det	0	0	0	B	Ter	149
<i>Curimatopsis myersi</i>	Vari, 1982	Curimatidae	Characiformes	Det	0	0	0	B	Ter	44
<i>Cynopotamus argenteus</i>	Valenciennes, 1837	Characidae	Characiformes	Pisc	0	0	0	B	Sup	240
<i>Cynopotamus kincaidi</i>	Schultz, 1950	Characidae	Characiformes	Carn	1	0	0	B	Sup	258
<i>Cyphocharax gillii</i>	Eigenmann & Kennedy, 1903	Curimatidae	Characiformes	Alg	0	0	0	B	Ter	100
<i>Cyphocharax modestus</i>	Fernández-Yépez, 1948	Curimatidae	Characiformes	Det	0	0	0	B	Ter	215
<i>Cyphocharax naegeli</i>	Steindachner, 1881	Curimatidae	Characiformes	Det	0	0	0	B	Ter	205
<i>Cyphocharax platanus</i>	Günther, 1880	Curimatidae	Characiformes	Det	0	0	0	B	Ter	134
<i>Cyphocharax saladensis</i>	Meinken, 1933	Curimatidae	Characiformes	Det	0	0	0	B	Ter	98
<i>Cyphocharax spilotus</i>	Vari, 1987	Curimatidae	Characiformes	Det	0	0	0	B	Ter	104
<i>Cyphocharax vanderi</i>	Britski, 1980	Curimatidae	Characiformes	Det	0	0	0	B	Ter	68
<i>Cyphocharax voga</i>	Hensel, 1870	Curimatidae	Characiformes	Alg	0	0	0	B	Ter	263
<i>Deuterodon luetkenii</i>	Boulenger, 1887	Characidae	Characiformes	Alg	0	0	0	B	Ter	96
<i>Diapoma guarani</i>	Mahnert & Géry, 1987	Characidae	Characiformes	Omn	0	0	0	B	Ter	31
<i>Diapoma terofali</i>	Géry, 1964	Characidae	Characiformes	Planc	0	0	0	B	Ter	48
<i>Eigenmannia trilineata</i>	López & Castello, 1966	Sternopygidae	Gymnotiformes	Ins	0	0	0	B	Ter	305
<i>Eigenmannia virescens</i>	Valenciennes, 1836	Sternopygidae	Gymnotiformes	Ins	0	0	0	B	Sub	384
<i>Entomocorus radiosus</i>	Reis & Borges, 2006	Auchenipteridae	Siluriformes	Zoo	0	1	1	P	Ter	53
<i>Epapterus dispilurus</i>	Cope, 1878	Auchenipteridae	Siluriformes	Pisc	0	1	1	D	Ter	154
<i>Farlowella amazonum</i>	Günther, 1864	Loricariidae	Siluriformes	Det	0	1	0	D	Low	225
<i>Farlowella hasemani</i>	Eigenmann & Vance, 1917	Loricariidae	Siluriformes	Det	0	0	0	D	Low	170
<i>Farlowella paraguayensis</i>	Retzer & Page, 1997	Loricariidae	Siluriformes	Det	0	1	0	D	Low	175
<i>Galeocharax gulo</i>	Cope, 1870	Characidae	Characiformes	Pisc	0	0	0	B	Ter	220
<i>Galeocharax humeralis</i>	Valenciennes, 1834	Characidae	Characiformes	Carn	0	0	0	B	Ter	305
<i>Gasteropelecus sternicla</i>	Linnaeus, 1758	Gasteropelecidae	Characiformes	Inv	0	0	0	P	Sup	38
<i>Geophagus brasiliensis</i>	Quoy & Gaimard, 1824	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	280
<i>Geophagus sveni</i>	Lucinda, Lucena & Assis, 2010	Cichlidae	Cichliformes	Det	0	1	0	B	Ter	260
<i>Glanidium cesarpinto</i>	Ihering, 1928	Auchenipteridae	Siluriformes	Inv	0	1	1	D	Ter	96
<i>Glanidium ribeiroi</i>	Haseman, 1911	Auchenipteridae	Siluriformes	Omn	0	1	1	P	Ter	193
<i>Gymnocorymbus ternetzi</i>	Boulenger, 1895	Characidae	Characiformes	Omn	0	0	0	P	Ter	75
<i>Gymnogeophagus australis</i>	Eigenmann, 1907	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	155
<i>Gymnogeophagus balzani</i>	Perugia, 1891	Cichlidae	Cichliformes	Inv	0	1	0	B	Ter	120
<i>Gymnogeophagus setequedas</i>	Reis, Malabarba & Pavanelli, 1992	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	98
<i>Gymnorhamphichthys britskii</i>	Carvalho, Ramos & Albert, 2011	Rhamphichthyidae	Gymnotiformes	Inv	0	1	0	B	Ter	180
<i>Gymnotus inaequilabiatus</i>	Valenciennes, 1839	Gymnotidae	Gymnotiformes	Ins	0	1	0	B	Sup	920



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Gymnotus omarorum</i>	Richer-de-Forges, Crampton & Albert, 2009	Gymnotidae	Gymnotiformes	Omn	0	1	0	P	Sup	286
<i>Gymnotus pantanal</i>	Fernandes, Albert, Daniel-Silva, Lopes, Crampton & Almeida-Toledo, 2005	Gymnotidae	Gymnotiformes	Ins	0	1	0	D	Sup	206
<i>Gymnotus paraguayensis</i>	Albert & Crampton, 2003	Gymnotidae	Gymnotiformes	Ins	0	1	0	B	Sup	795
<i>Gymnotus sylvius</i>	Albert & Fernandes-Matioli, 1999	Gymnotidae	Gymnotiformes	Inv	0	1	0	B	Sup	730
<i>Hasemania hanseni</i>	Fowler, 1949	Characidae	Characiformes	Omn	0	0	0	P	Ter	33
<i>Hemigrammus lunatus</i>	Durbin, 1918	Characidae	Characiformes	Zoo	0	0	0	D	Ter	48
<i>Hemigrammus mahnerti</i>	Uj & Géry, 1989	Characidae	Characiformes	Alg	0	0	0	B	Ter	28
<i>Hemigrammus parana</i>	Marinho, Carvalho, Langeani & Tatsumi, 2008	Characidae	Characiformes	Pisc	0	0	0	B	Ter	31
<i>Hemigrammus tridens</i>	Eigenmann, 1907	Characidae	Characiformes	Inv	0	0	0	B	Ter	20
<i>Hemigrammus ulreyi</i>	Boulenger, 1895	Characidae	Characiformes	Zoo	0	0	0	B	Ter	44
<i>Hemiodontichthys acipenserinus</i>	Kner, 1853	Loricariidae	Siluriformes	Inv	0	1	0	D	Low	134
<i>Hemiodus orthonops</i>	Eigenmann & Kennedy, 1903	Hemiodontidae	Characiformes	Det	0	0	0	B	Sub	345
<i>Hemiodus semitaeniatus</i>	Kner, 1858	Hemiodontidae	Characiformes	Det/Her	0	1	0	B	Sub	200
<i>Hemisorubim platyrhynchos</i>	Valenciennes, 1840	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Ter	670
<i>Heptapterus mustelinus</i>	Valenciennes, 1835	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	209
<i>Hisonotus francirochai</i>	Ihering, 1928	Loricariidae	Siluriformes	Her	0	0	0	B	Low	36
<i>Hisonotus maculipinnis</i>	Regan, 1912	Loricariidae	Siluriformes	Det	0	0	0	B	Low	40
<i>Hisonotus pachysarkos</i>	Zawadzki, Roxo & da Graça, 2016	Loricariidae	Siluriformes	Det	0	0	0	D	Low	42
<i>Hisonotus paulinus</i>	Miranda Ribeiro, 1918	Loricariidae	Siluriformes	Alg/Her	0	0	0	B	Low	30
<i>Homodiaetus anisitsi</i>	Eigenmann & Ward, 1907	Trichomycteriidae	Siluriformes	Muc	0	0	0	D	Ter	49
<i>Hopterythrinus unitaeniatus</i>	Spix & Agassiz, 1829	Erythrinidae	Characiformes	Pisc	0	1	0	P	Ter	315
<i>Hoplias argentinensis</i>	Rosso, González-Castro, Bogan, Cardoso, Mabragaña, Delpiani & Díaz de Astarloa, 2018	Erythrinidae	Characiformes	Pisc	0	0	0	B	Ter	410
<i>Hoplias intermedius</i>	Günther, 1864	Erythrinidae	Characiformes	Pisc	0	1	0	B	Ter	248
<i>Hoplias mbigua</i>	Azpelicueta, Benítez, Aichino & Mendez, 2015	Erythrinidae	Characiformes	Pisc	0	0	0	B	Ter	293
<i>Hoplias misionera</i>	Rosso, Mabragaña, González-Castro, Delpiani, Avigliano, Schenone & Díaz de Astarloa, 2016	Erythrinidae	Characiformes	Pisc	0	0	0	B	Ter	290
<i>Hoplosternum littorale</i>	Hancock, 1828.	Callichthyidae	Siluriformes	Inv	0	0	0	D	Ter	263
<i>Hyphessobrycon bifasciatus</i>	Ellis, 1911	Characidae	Characiformes	Omn	0	0	0	B	Ter	47
<i>Hyphessobrycon elachys</i>	Weitzman, 1985	Characidae	Characiformes	Omn	0	0	0	B	Ter	20
<i>Hyphessobrycon eques</i>	Steindachner, 1882	Characidae	Characiformes	Her	0	0	0	B	Ter	58
<i>Hyphessobrycon herbertaxelrodi</i>	Géry, 1961	Characidae	Characiformes	Omn	0	0	0	B	Ter	32
<i>Hyphessobrycon megalopterus</i>	Eigenmann, 1915	Characidae	Characiformes	Omn	0	0	0	B	Ter	36
<i>Hyphessobrycon meridionalis</i>	Ringuelet, Miquelarena & Menni, 1978	Characidae	Characiformes	Omn	0	0	0	B	Ter	50
<i>Hyphessobrycon reticulatus</i>	Ellis, 1911	Characidae	Characiformes	Ins	0	0	0	B	Ter	53
<i>Hyphessobrycon wajat</i>	Almirón & Casciotta, 1999	Characidae	Characiformes	Omn	0	0	0	B	Ter	31
<i>Hypophthalmus oremaculatus</i>	Nani, Fuster, 1947	Pimelodidae	Siluriformes	Alg	1	0	0	P	Ter	493
<i>Hypoptopoma inexpectatum</i>	Holmberg, 1893	Loricariidae	Siluriformes	Det	0	1	0	D	Low	71
<i>Hypostomus albopunctatus</i>	Regan, 1908	Loricariidae	Siluriformes	Det	0	1	0	D	Low	360
<i>Hypostomus ancistroides</i>	Ihering, 1911	Loricariidae	Siluriformes	Det	0	1	0	D	Low	276
<i>Hypostomus arecuta</i>	Cardoso, Almirón, Casciotta, Aichino, Lizarralde & Montoya-Burgos, 2012	Loricariidae	Siluriformes	Det	0	0	0	D	Low	243
<i>Hypostomus boulengeri</i>	Eigenmann & Kennedy, 1903	Loricariidae	Siluriformes	Det	0	1	0	D	Low	245



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Hypostomus cochliodon</i>	Kner, 1854	Loricariidae	Siluriformes	Det	0	1	0	D	Low	382
<i>Hypostomus commersoni</i>	Valenciennes, 1836	Loricariidae	Siluriformes	Det	0	1	0	D	Low	395
<i>Hypostomus denticulatus</i>	Zawadzki, Weber & Pavanelli, 2008	Loricariidae	Siluriformes	Det	0	1	0	D	Low	191
<i>Hypostomus derbyi</i>	Haseman, 1911	Loricariidae	Siluriformes	Det	0	1	0	D	Low	305
<i>Hypostomus dlouhyi</i>	Weber, 1985	Loricariidae	Siluriformes	Det	0	1	0	D	Low	245
<i>Hypostomus faveolus</i>	Zawadzki, Birindelli & Lima, 2008	Loricariidae	Siluriformes	Det	0	0	0	D	Low	206
<i>Hypostomus heraldoi</i>	Zawadzki, Weber & Pavanelli, 2008	Loricariidae	Siluriformes	Det	0	1	1	D	Low	236
<i>Hypostomus hermanni</i>	Ihering, 1905	Loricariidae	Siluriformes	Det	0	1	0	D	Low	240
<i>Hypostomus iheringii</i>	Regan, 1908	Loricariidae	Siluriformes	Det	0	1	0	D	Low	116
<i>Hypostomus khimaera</i>	Tencatt, Zawadzki & Froehlich, 2014	Loricariidae	Siluriformes	Det	0	0	0	D	Low	164
<i>Hypostomus laplatae</i>	Eigenmann, 1907	Loricariidae	Siluriformes	Det	0	0	0	D	Low	690
<i>Hypostomus latifrons</i>	Weber, 1986	Loricariidae	Siluriformes	Det	0	1	0	D	Low	286
<i>Hypostomus margaritifer</i>	Regan, 1908	Loricariidae	Siluriformes	Det	0	1	1	D	Low	330
<i>Hypostomus meleagris</i>	Marini, Nichols & La Monte, 1933	Loricariidae	Siluriformes	Det	0	1	0	D	Low	300
<i>Hypostomus microstomus</i>	Weber, 1987	Loricariidae	Siluriformes	Det	0	0	0	D	Low	240
<i>Hypostomus multidentis</i>	Jerep, Shibatta & Zawadzki, 2007	Loricariidae	Siluriformes	Det	0	1	0	D	Low	198
<i>Hypostomus myersi</i>	Gosline, 1947	Loricariidae	Siluriformes	Det	0	1	0	D	Low	207
<i>Hypostomus nigromaculatus</i>	Schubart, 1964	Loricariidae	Siluriformes	Det	0	1	0	D	Low	102
<i>Hypostomus paranensis</i>	Weyenbergh, 1877	Loricariidae	Siluriformes	Det	0	0	0	D	Low	178.3
<i>Hypostomus paulinus</i>	Ihering, 1905	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	131
<i>Hypostomus piratatu</i>	Weber, 1986	Loricariidae	Siluriformes	Det	0	1	0	D	Low	275
<i>Hypostomus regani</i>	Ihering, 1905	Loricariidae	Siluriformes	Det	0	1	0	D	Low	370
<i>Hypostomus renestoi</i>	Zawadzki, da Silva & Troy, 2018	Loricariidae	Siluriformes	Det	0	0	0	D	Low	143.1
<i>Hypostomus strigaticeps</i>	Regan, 1908	Loricariidae	Siluriformes	Det	0	1	0	D	Low	455
<i>Hypostomus ternetzi</i>	Boulenger, 1895	Loricariidae	Siluriformes	Det	0	1	0	D	Low	296
<i>Hypostomus tietensis</i>	Ihering, 1905	Loricariidae	Siluriformes	Det	0	1	0	D	Low	125
<i>Hypostomus topavae</i>	Godoy, 1969	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	700
<i>Hypostomus variipictus</i>	Ihering, 1911	Loricariidae	Siluriformes	Det	0	1	0	D	Low	370
<i>Iheringichthys labrosus</i>	Lütken, 1874	Pimelodidae	Siluriformes	Inv	0	0	0	D	Sub	336
<i>Iheringichthys megalops</i>	Eigenmann & Ward, 1907	Pimelodidae	Siluriformes	Inv	0	0	0	D	Low	154
<i>Iheringichthys syi</i>	Azpelicueta & Britski, 2012	Pimelodidae	Siluriformes	Inv	0	0	0	D	Low	220
<i>Imparfinis borodini</i>	Mees & Cala, 1989	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	157
<i>Imparfinis hollandi</i>	Haseman, 1911	Heptapteridae	Siluriformes	Inv	0	0	0	D	Ter	230
<i>Imparfinis mirini</i>	Haseman, 1911	Heptapteridae	Siluriformes	Inv	0	1	0	D	Ter	85
<i>Imparfinis mishky</i>	Almirón, Casciotta, Bechara, Ruiz Díaz, Bruno, d'Ambrosio, Solimano & Soneira, 2007	Heptapteridae	Siluriformes	Inv	0	0	0	D	Low	57.1
<i>Imparfinis piperatus</i>	Eigenmann & Norris, 1900	Heptapteridae	Siluriformes	Inv	0	0	0	D	Ter	320
<i>Isbrueckerichthys calvus</i>	Jerep, Shibatta, Pereira & Oyakawa, 2006	Loricariidae	Siluriformes	Det	0	1	0	D	Low	90
<i>Ituglanis eichhorniarum</i>	Miranda Ribeiro, 1912	Trichomycteridae	Siluriformes	Inv/Ins	0	0	0	B	Sub	57
<i>Ituglanis goya</i>	Datovo, Aquino & Langeani, 2016	Trichomycteridae	Siluriformes	Omn	0	0	0	B	Sub	79
<i>Jenynsia alternimaculata</i>	Fowler, 1940	Anablepidae	Cyprinodontiformes	Omn	0	1	1	B	Sup	55
<i>Jenynsia lineata</i>	Jenyns, 1842	Anablepidae	Cyprinodontiformes	Omn	0	1	1	B	Sup	55
<i>Jenynsia maculata</i>	Regan, 1906	Anablepidae	Cyprinodontiformes	Omn	0	1	1	B	Sup	73
<i>Jupiaba acanthogaster</i>	Eigenmann, 1911	Characidae	Characiformes	Omn	0	0	0	B	Ter	55



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Knodus chapadae</i>	Fowler, 1906	Characidae	Characiformes	Ins	0	0	0	B	Ter	57
<i>Knodus moenkhausii</i>	Eigenmann & Kennedy, 1903	Characidae	Characiformes	Ins	0	0	0	B	Ter	65
<i>Laetacara dorsigera</i>	Heckel, 1840	Cichlidae	Cichliformes	Omn	0	1	0	B	Ter	60
<i>Lepidosiren paradoxa</i>	Fitzinger, 1837	Lepidosirenidae	Lepidosireni-formes	Omn	0	1	0	D	Ter	1250
<i>Leporellus vittatus</i>	Valenciennes, 1850	Anostomidae	Characiformes	Ins	0	0	0	B	Ter	236
<i>Leporinus amblyrhynchus</i>	Garavello & Britski, 1987	Anostomidae	Characiformes	Inv	0	0	0	B	Sub	196
<i>Leporinus friderici</i>	Bloch, 1794	Anostomidae	Characiformes	Omn	1	0	0	B	Ter	400
<i>Leporinus lacustris</i>	Campos, 1945	Anostomidae	Characiformes	Her	1	0	0	B	Ter	299
<i>Leporinus microphthalmus</i>	Garavello, 1989	Anostomidae	Characiformes	Omn	0	0	0	B	Sub	118
<i>Leporinus octofasciatus</i>	Steindachner, 1915	Anostomidae	Characiformes	Omn	0	0	0	B	Ter	235
<i>Leporinus paranensis</i>	Garavello & Britski, 1987	Anostomidae	Characiformes	Omn	0	0	0	B	Ter	160
<i>Leporinus striatus</i>	Kner, 1858	Anostomidae	Characiformes	Omn	0	0	0	B	Ter	252
<i>Lepthoplosternum pectorale</i>	Boulenger, 1895	Callichthyidae	Siluriformes	Omn	0	1	0	D	Ter	140
<i>Loricaria apeltogaster</i>	Boulenger, 1895	Loricariidae	Siluriformes	Mal	0	1	0	D	Low	324
<i>Loricaria lentiginosa</i>	Isbrücker, 1979	Loricariidae	Siluriformes	Det/Inv/ Mal	0	1	0	D	Low	514
<i>Loricaria luciae</i>	Thomas, Rodriguez, Carval-laro, Froehlich & Corrêa e Castro, 2013	Loricariidae	Siluriformes	Alg	0	0	0	D	Low	189
<i>Loricaria simillima</i>	Regan, 1904	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	264
<i>Loricariichthys anus</i>	Valenciennes, 1835	Loricariidae	Siluriformes	Omn	0	1	0	D	Low	460
<i>Loricariichthys labialis</i>	Boulenger, 1895	Loricariidae	Siluriformes	Det	0	1	0	D	Low	220
<i>Loricariichthys melanocheilus</i>	Reis & Pereira, 2000	Loricariidae	Siluriformes	Det	0	0	0	D	Low	430
<i>Loricariichthys platymetopon</i>	Isbrücker & Nijssen, 1979	Loricariidae	Siluriformes	Det	0	1	0	D	Low	485
<i>Loricariichthys rostratus</i>	Reis & Pereira, 2000	Loricariidae	Siluriformes	Det	0	1	0	D	Low	301
<i>Luciopimelodus pati</i>	Valenciennes, 1835	Pimelodidae	Siluriformes	Pisc	0	0	0	D	Ter	1030
<i>Markiana nigripinnis</i>	Perugia, 1891	Characidae	Characiformes	Her	0	0	0	B	Ter	104
<i>Megalancistrus parananus</i>	Peters, 1881	Loricariidae	Siluriformes	Det	0	1	0	D	Low	527
<i>Megalechis thoracata</i>	Valenciennes, 1840	Callichthyidae	Siluriformes	Inv	0	1	0	D	Low	124
<i>Megaleporinus macrocephalus</i>	Garavello & Britski, 1988	Anostomidae	Characiformes	Omn	1	0	0	B	Ter	605
<i>Megaleporinus obtusidens</i>	Valenciennes, 1836	Anostomidae	Characiformes	Omn	1	0	0	B	Sub	490
<i>Megaleporinus piavussu</i>	Britski, Birindelli & Garavello, 2012	Anostomidae	Characiformes	Omn	0	0	0	D	Sub	380
<i>Megalonema platanum</i>	Garavello & Britski, 1988	Pimelodidae	Siluriformes	Pisc	0	0	0	D	Ter	400
<i>Melanorivulus apiamici</i>	Costa, 1989	Rivulidae	Cyprinodon-tiformes	Omn	0	0	0	B	Ter	30
<i>Melanorivulus pictus</i>	Costa, 1989	Callichthyidae	Siluriformes	Omn	0	0	0	B	Sup	50
<i>Melanorivulus punctatus</i>	Boulenger, 1895	Cynolebiidae	Cyprinodon-tiformes	Omn	0	0	0	B	Sup	35
<i>Mesonauta festivus</i>	Heckel, 1840	Cichlidae	Cichliformes	Her	0	1	0	B	Ter	100
<i>Metynnis cuiaba</i>	Pavanelli, Ota & Petry, 2009	Serrasalminae	Characiformes	Her	0	0	0	B	Ter	143
<i>Metynnis lippincottianus</i>	Cope, 1870	Serrasalminae	Characiformes	Omn	0	0	0	P	Ter	200
<i>Metynnis maculatus</i>	Kner, 1858	Serrasalminae	Characiformes	Her	0	0	0	P	Ter	180
<i>Metynnis mola</i>	Eigenmann & Kennedy, 1903	Serrasalminae	Characiformes	Her	0	0	0	P	Ter	150
<i>Metynnis otuquensis</i>	Ahl, 1923	Serrasalminae	Characiformes	Her	0	0	0	P	Ter	87
<i>Microglanis carlae</i>	Vera Alcaraz, da Graça & Shi-batta, 2008	Pseudopimelo-didae	Siluriformes	Inv	0	1	0	D	Low	34
<i>Microglanis garavelloi</i>	Shibatta & Benine, 2005	Pseudopimelo-didae	Siluriformes	Ins	0	1	0	D	Ter	42
<i>Microlepidogaster longicolla</i>	Calegari & Reis, 2010	Loricariidae	Siluriformes	Det	0	1	0	D	Low	46
<i>Mimagoniates barberi</i>	Regan, 1907	Characidae	Characiformes	Ins	0	1	1	B	Ter	35
<i>Mimagoniates microlepis</i>	Steindachner, 1877	Characidae	Characiformes	Ins	0	1	1	P	Ter	61

TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Moenkhausia australis</i>	Eigenmann, 1908	Characidae	Characiformes	Ins	0	0	0	B	Ter	38
<i>Moenkhausia bonita</i>	Benine, Castro & Sabino, 2004	Characidae	Characiformes	Inv	0	0	0	P	Ter	80
<i>Moenkhausia dichroua</i>	Kner, 1858	Characidae	Characiformes	Her/Ins	0	0	0	B	Ter	100
<i>Moenkhausia forestii</i>	Benine, Mariguela & Oliveira, 2009	Characidae	Characiformes	Omn	0	0	0	B	Ter	49
<i>Moenkhausia gracilima</i>	Eigenmann, 1908	Characidae	Characiformes	Inv	0	0	0	B	Ter	59
<i>Moenkhausia lopesi</i>	Britski & de Silimon, 2001	Characidae	Characiformes	Inv	0	0	0	B	Ter	38
<i>Moenkhausia sanctaefilomenae</i>	Steindachner, 1907	Characidae	Characiformes	Ins	0	0	0	B	Ter	80
<i>Myloplus levis</i>	Eigenmann & McAtee, 1907	Serrasalmidae	Characiformes	Her	0	0	0	B	Ter	200
<i>Myloplus tiete</i>	Eigenmann & Norris, 1900	Serrasalmidae	Characiformes	Her	0	0	0	B	Ter	300
<i>Mylossoma duriventre</i>	Cuvier, 1818	Serrasalmidae	Characiformes	Omn	1	0	0	B	Ter	250
<i>Neoplecostomus paranensis</i>	Langeani, 1990	Loricariidae	Siluriformes	Inv	0	1	0	D	Low	93
<i>Neoplecostomus yapo</i>	Zawadzki, Pavanelli & Langeani, 2008	Loricariidae	Siluriformes	Inv	0	1	0	B	Low	110
<i>Ochmacanthus batrachostoma</i>	Miranda Ribeiro, 1912	Trichomycteridae	Siluriformes	Lep	0	0	0	B	Low	32
<i>Odontesthes perugiae</i>	Evermann & Kendall, 1906	Atherinopsidae	Atheriniformes	Inv	0	0	0	B	Ter	205
<i>Odontostilbe microcephala</i>	Eigenmann, 1907	Characidae	Characiformes	Omn	0	0	0	B	Ter	46
<i>Odontostilbe paraguayensis</i>	Eigenmann & Kennedy, 1903	Characidae	Characiformes	Omn	0	0	0	B	Ter	40
<i>Odontostilbe pequirá</i>	Steindachner, 1882	Characidae	Characiformes	Omn	0	0	0	B	Ter	56
<i>Odontostilbe weitzmani</i>	Chuctaya, Bührnheim & Malabarba, 2018	Characidae	Characiformes	Omn	0	0	0	B	Ter	50.8
<i>Oligosarcus bolivianus</i>	Fowler, 1940	Characidae	Characiformes	Inv	0	0	0	B	Ter	147
<i>Oligosarcus longirostris</i>	Menezes & Géry, 1983	Characidae	Characiformes	Pisc	0	0	0	B	Ter	115
<i>Oligosarcus menezesi</i>	Miquelarena & Protogino, 1996	Characidae	Characiformes	Pisc	0	0	0	B	Ter	138
<i>Oligosarcus oligolepis</i>	Steindachner, 1867	Characidae	Characiformes	Omn	0	0	0	P	Ter	112
<i>Oligosarcus paranensis</i>	Menezes & Géry, 1983	Characidae	Characiformes	Pisc	0	0	0	B	Ter	205
<i>Oligosarcus pintoii</i>	Amaral Campos, 1945	Characidae	Characiformes	Pisc	0	0	0	B	Ter	88
<i>Oligosarcus planaltinae</i>	Menezes & Géry, 1983	Characidae	Characiformes	Ins	0	0	0	B	Ter	99
<i>Ossancora eigenmanni</i>	Boulenger, 1895	Doradidae	Siluriformes	Inv	0	0	0	D	Ter	130
<i>Ossancora punctata</i>	Kner, 1855	Doradidae	Siluriformes	Inv	0	0	0	D	Sub	110
<i>Otocinclus arnoldi</i>	Regan, 1909	Loricariidae	Siluriformes	Alg	0	0	0	D	Low	48
<i>Otocinclus bororo</i>	Schaefer, 1997	Loricariidae	Siluriformes	Alg	0	1	0	D	Low	31
<i>Otocinclus vestitus</i>	Cope, 1872	Loricariidae	Siluriformes	Alg	0	1	0	D	Low	32
<i>Otocinclus vittatus</i>	Regan, 1904	Loricariidae	Siluriformes	Her	0	1	0	D	Low	33
<i>Otothyropsis biannicus</i>	Calegari, Lehmann A. & Reis, 2013	Loricariidae	Siluriformes	Det	0	1	0	D	Low	40
<i>Otothyropsis marapoama</i>	Ribeiro, Carvalho & Melo, 2005	Loricariidae	Siluriformes	Inv	0	1	0	D	Low	36
<i>Otothyropsis polyodon</i>	Calegari, Lehmann A. & Reis, 2013	Loricariidae	Siluriformes	Det	0	0	0	D	Low	37
<i>Oxydoras kneri</i>	Bleeker, 1862	Doradidae	Siluriformes	Omn	1	0	0	D	Low	700
<i>Pachyurus bonariensis</i>	Steindachner, 1879	Sciaenidae	Cichliformes	Inv	0	0	0	B	Ter	246
<i>Papiliolebias bitteri</i>	Costa, 1989	Rivulidae	Cyprinodontiformes	Omn	0	0	0	B	Ter	50
<i>Paraloricaria agastor</i>	Isbrücker, 1979	Loricariidae	Siluriformes	Det	0	0	0	D	Low	108
<i>Paraloricaria vetula</i>	Valenciennes, 1835	Loricariidae	Siluriformes	Mal	0	0	0	D	Low	554
<i>Parapimelodus valenciennis</i>	Lütken, 1874	Pimelodidae	Siluriformes	Planc	0	0	0	D	Ter	240
<i>Paravandellia oxyptera</i>	Miranda Ribeiro, 1912	Trichomycteridae	Siluriformes	Hem	0	0	0	PA	Low	28
<i>Pareiorhaphis parmula</i>	Pereira, 2005	Loricariidae	Siluriformes	Det	0	0	0	D	Low	94.5
<i>Parodon carrikeri</i>	Fowler, 1940	Parodontidae	Characiformes	Her	1	0	0	B	Low	147



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Parodon nasus</i>	Kner, 1859	Parodontidae	Characiformes	Det	0	0	0	B	Low	117
<i>Pellona flavipinnis</i>	Valenciennes, 1837	Pristigasteridae	Clupeiformes	Carn	0	0	0	P	Sup	730
<i>Phalliceros harpagos</i>	Lucinda, 2008	Poeciliidae	Cyprinodontiformes	Omn	0	1	1	P	Sup	34
<i>Phallotorynus victoriae</i>	Oliveros, 1983	Poeciliidae	Cyprinodontiformes	Omn	0	1	1	B	Sup	23
<i>Phenacobrycon henni</i>	Eigenmann, 1914	Characidae	Characiformes	Ins	0	0	0	B	Ter	30
<i>Phenacogaster jancupa</i>	Malabarba & Lucena, 1995	Characidae	Characiformes	Ins	0	0	0	B	Ter	47
<i>Phenacogaster tegatus</i>	Eigenmann, 1911	Characidae	Characiformes	Ins	0	0	0	B	Ter	35
<i>Phenacorhamdia tenebrosa</i>	Schubart, 1964	Characidae	Characiformes	Ins	0	0	0	D	Ter	67
<i>Piabarchus analis</i>	Eigenmann, 1914	Characidae	Characiformes	Ins	0	0	0	B	Ter	49
<i>Piabarchus torrenticola</i>	Mahnert & Géry, 1988	Characidae	Characiformes	Ins	0	0	0	B	Ter	77
<i>Piabina argentea</i>	Reinhardt, 1867	Characidae	Characiformes	Omn	0	0	0	P	Sub	73
<i>Piabina thomasi</i>	Fowler, 1940	Characidae	Characiformes	Omn	0	0	0	B	Sub	70
<i>Piabucus melanostoma</i>	Holmberg, 1891	Characidae	Characiformes	Her	0	0	0	B	Ter	115
<i>Piaractus mesopotamicus</i>	Holmberg, 1887	Serrasalimidae	Characiformes	Her	1	0	0	D	Ter	655
<i>Pimelodella avanhandavae</i>	Eigenmann, 1917	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	236
<i>Pimelodella gracilis</i>	Valenciennes, 1835	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	236
<i>Pimelodella griffini</i>	Eigenmann, 1917	Heptapteridae	Siluriformes	Omn	0	0	0	D	Ter	88
<i>Pimelodella laticeps</i>	Eigenmann, 1917	Heptapteridae	Siluriformes	Inv	0	0	0	D	Ter	117
<i>Pimelodella meeki</i>	Eigenmann, 1910	Heptapteridae	Siluriformes	Omn	0	0	0	D	Ter	102
<i>Pimelodella megalura</i>	Miranda Ribeiro, 1918	Heptapteridae	Siluriformes	Omn	0	0	0	D	Ter	220
<i>Pimelodella mucosa</i>	Eigenmann & Ward, 1907	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	135
<i>Pimelodella notomelas</i>	Eigenmann, 1917	Heptapteridae	Siluriformes	Ins	0	0	0	D	Ter	60
<i>Pimelodella taenioptera</i>	Miranda-Ribeiro, 1914	Heptapteridae	Siluriformes	Omn	0	0	0	D	Ter	235
<i>Pimelodus absconditus</i>	Azpelicueta, 1995	Pimelodidae	Siluriformes	Carn	0	0	0	B	Ter	287
<i>Pimelodus albicans</i>	Valenciennes, 1840	Pimelodidae	Siluriformes	Inv	0	0	0	B	Ter	570
<i>Pimelodus argenteus</i>	Perugia, 1891	Pimelodidae	Siluriformes	Omn	0	0	0	D	Ter	360
<i>Pimelodus britskii</i>	Garavello & Shibatta, 2007	Pimelodidae	Siluriformes	Ins	0	0	0	D	Ter	300
<i>Pimelodus maculatus</i>	Lacepède, 1803	Pimelodidae	Siluriformes	Omn	0	0	0	B	Ter	510
<i>Pimelodus microstoma</i>	Steindachner, 1877	Pimelodidae	Siluriformes	Pisc	0	0	0	B	Ter	265
<i>Pimelodus misteriosus</i>	Azpelicueta, 1998	Pimelodidae	Siluriformes	Omn	0	0	0	B	Ter	365
<i>Pimelodus ornatus</i>	Kner, 1858	Pimelodidae	Siluriformes	Omn	1	0	0	B	Ter	399
<i>Pimelodus ortmanni</i>	Haseman, 1911	Pimelodidae	Siluriformes	Omn	0	0	0	D	Ter	161
<i>Pimelodus pantaneiro</i>	Souza-Filho & Shibatta, 2007	Pimelodidae	Siluriformes	Omn	0	0	0	B	Ter	256
<i>Pimelodus paranaensis</i>	Britski & Langeani, 1988	Pimelodidae	Siluriformes	Omn	0	0	0	D	Sub	230
<i>Pimelodus platicirris</i>	Borodin, 1927	Pimelodidae	Siluriformes	Omn	0	0	0	B	Ter	160
<i>Pinirampus argentina</i>	MacDonagh, 1938	Pimelodidae	Siluriformes	Pisc	0	0	0	D	Ter	271
<i>Pinirampus pirinampu</i>	Agassiz, 1829	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Ter	795
<i>Plagioscion ternetzi</i>	Boulenger, 1895	Sciaenidae	Cichliformes	Pisc	0	0	0	B	Ter	390
<i>Planaltina britskii</i>	Menezes, Weitzman & Burns, 2003	Characidae	Characiformes	Omn	0	0	0	B	Ter	35
<i>Planaltina myersi</i>	Böhlke, 1954	Characidae	Characiformes	Omn	0	0	0	B	Ter	46
<i>Platydoras armatulus</i>	Valenciennes, 1840	Doradidae	Siluriformes	Inv	0	0	0	D	Ter	178
<i>Plesioblebias glaucopterus</i>	Costa & Lacerda, 1989	Cynolebiidae	Cyprinodontiformes	Inv	0	0	0	B	Sup	30
<i>Poecilia hasemani</i>	Henn, 1916	Poeciliidae	Cyprinodontiformes	Inv/Ins	0	1	1	P	Ter	25
<i>Poptella paraguayensis</i>	Eigenmann, 1907	Characidae	Characiformes	Omn	0	0	0	B	Ter	102



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Potamorhina squamoralevis</i>	Braga & Azpelicueta, 1983	Curimatidae	Characiformes	Det	0	0	0	P	Ter	234
<i>Potamorrhaphis eigenmanni</i>	Miranda Ribeiro, 1915	Belonidae	Beloniformes	Ins	0	0	0	P	Beak	228
<i>Potamotrygon amandae</i>	Loboda, Carvalho, 2013	Potamotrygonidae	Myliobatiformes	Inv	0	1	1	B	Low	875
<i>Potamotrygon brachyura</i>	Günther, 1880	Potamotrygonidae	Myliobatiformes	Carn	0	1	1	P	Low	960
<i>Potamotrygon falkneri</i>	Castex & Maciel, 1963	Potamotrygonidae	Myliobatiformes	Pisc	0	1	1	B	Low	1000
<i>Potamotrygon histrix</i>	Müller & Henle, 1839	Potamotrygonidae	Myliobatiformes	Carn	0	1	1	B	Low	400
<i>Potamotrygon motoro</i>	Müller & Henle, 1841	Potamotrygonidae	Myliobatiformes	Inv	0	1	1	B	Low	700
<i>Prionobrama paraguayensis</i>	Eigenmann, 1914	Characidae	Characiformes	Det	0	0	0	B	Sup	50
<i>Prochilodus lineatus</i>	Valenciennes, 1837	Prochilodontidae	Characiformes	Det	1	0	0	B	Ter	620
<i>Proloricaria prolixa</i>	Isbrücker & Nijssen, 1978	Loricariidae	Siluriformes	Her	0	1	0	D	Low	462
<i>Psalidodon anisitsi</i>	Eigenmann, 1907	Characidae	Characiformes	Omn	0	0	0	B	Ter	60
<i>Psalidodon bifasciatus</i>	Garavello & Sampaio, 2010	Cichlidae	Cichliformes	Her	0	0	0	P	Ter	129
<i>Psalidodon bockmanni</i>	Vari & Castro, 2007	Cichlidae	Cichliformes	Omn	0	0	0	B	Ter	70
<i>Psalidodon correntinus</i>	Holmberg, 1891	Characidae	Characiformes	Omn	0	0	0	B	Ter	80.2
<i>Psalidodon eigenmanniorum</i>	Cope, 1894	Cichlidae	Cichliformes	Her	0	0	0	B	Ter	144
<i>Psalidodon endy</i>	Mirande, Aguilera & Azpelicueta, 2006	Characidae	Characiformes	Omn	0	0	0	B	Ter	60.2
<i>Psalidodon erythropterus</i>	Holmberg, 1891	Cichlidae	Cichliformes	Omn	0	0	0	B	Ter	96
<i>Psalidodon gymnogenys</i>	Eigenmann, 1911	Cichlidae	Cichliformes	Inv	0	0	0	B	Ter	115
<i>Psalidodon marionae</i>	Eigenmann, 1911	Cichlidae	Cichliformes	Ins	0	0	0	B	Ter	60
<i>Psalidodon paranae</i>	Eigenmann, 1914	Cichlidae	Cichliformes	Ins	0	0	0	B	Ter	93
<i>Psalidodon pellegrini</i>	Eigenmann, 1907	Cichlidae	Cichliformes	Omn	0	0	0	B	Ter	80
<i>Psalidodon pynandi</i>	Casciotta, Almirón, Bechara, Roux & Ruiz Díaz, 2003	Characidae	Characiformes	Her	0	0	0	B	Ter	54.3
<i>Psalidodon rutilus</i>	Jenyns, 1842	Characidae	Characiformes	Omn	0	0	0	B	Ter	110
<i>Psalidodon schubarti</i>	Britski, 1964	Cichlidae	Cichliformes	Her	0	0	0	B	Ter	108
<i>Psectrogaster curviventris</i>	Eigenmann & Kennedy, 1903	Curimatidae	Characiformes	Det	0	0	0	D	Ter	171
<i>Psellogrammus kennedyi</i>	Eigenmann, 1903	Characidae	Characiformes	Omn	0	0	0	B	Ter	67
<i>Pseudobunocephalus rugosus</i>	Eigenmann & Kennedy, 1903	Aspredinidae	Siluriformes	Omn	0	1	0	D	Ter	30
<i>Pseudocorynopoma doriae</i>	Perugia, 1891	Characidae	Characiformes	Inv	0	1	1	B	Ter	63
<i>Pseudohemiodon laticeps</i>	Regan, 1904	Loricariidae	Siluriformes	Mal	0	0	0	D	Low	298
<i>Pseudopimelodus mangurus</i>	Valenciennes, 1835	Pseudopimelodidae	Siluriformes	Pisc	0	0	0	B	Ter	340
<i>Pseudoplatystoma corruscans</i>	Spix & Agassiz, 1829	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Sub	1254
<i>Pseudoplatystoma reticulatum</i>	Eigenmann & Eigenmann, 1889	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Sub	605
<i>Pseudostegophilus maculatus</i>	Steindachner, 1879	Trichomycteridae	Siluriformes	Hem	0	0	0	PA	Low	60
<i>Pseudostegophilus paulensis</i>	Miranda Ribeiro, 1918	Trichomycteridae	Siluriformes	Muc/Lep	0	0	0	B	Low	54
<i>Pseudotyllosurus angusticeps</i>	Günther, 1866	Belonidae	Beloniformes	Pisc	0	0	0	P	Beak	298
<i>Pterobunocephalus depressus</i>	Haseman, 1911	Aspredinidae	Siluriformes	Omn	0	1	0	D	Sub	89
<i>Pterodoras granulosus</i>	Valenciennes, 1821	Doradidae	Siluriformes	Omn	1	0	0	D	Ter	710
<i>Pterolebias phasianus</i>	Costa, 1988	Cynolebiidae	Cyprinodontiformes	Omn	0	0	0	P	Sup	70
<i>Pterygoplichthys ambrosettii</i>	Holmberg, 1893	Loricariidae	Siluriformes	Det	0	1	0	D	Low	655
<i>Pygocentrus nattereri</i>	Kner, 1858	Serrasalminae	Characiformes	Pisc	0	1	0	P	Ter	500
<i>Pyrrhulina australis</i>	Eigenmann & Kennedy, 1903	Lebiasinidae	Characiformes	Inv	0	0	0	B	Ter	42
<i>Pyxiloricaria menezesi</i>	Isbrücker & Nijssen, 1984	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	140
<i>Ramnogaster melanostoma</i>	Eigenmann, 1907	Clupeidae	Clupeiformes	Planc	0	0	0	P	Sup	100



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Rhamdia branneri</i>	Haseman, 1911	Heptapteridae	Siluriformes	Omn	0	0	0	B	Ter	474
<i>Rhamdia quelen</i>	Quoy & Gaimard, 1824	Heptapteridae	Siluriformes	Pisc	0	0	0	B	Ter	314
<i>Rhamdia voulezi</i>	Haseman, 1911	Heptapteridae	Siluriformes	Pisc	0	0	0	D	Ter	474
<i>Rhamphichthys hahni</i>	Meinken, 1937	Rhamphichthyidae	Gymnotiformes	Ins	0	1	0	B	Ter	1000
<i>Rhaphiodon vulpinus</i>	Spix & Agassiz, 1829	Cynodontidae	Characiformes	Pisc	1	0	0	P	Sup	762
<i>Rhinelepis aspera</i>	Spix & Agassiz, 1829	Loricariidae	Siluriformes	Det	1	0	0	D	Low	708
<i>Rhinelepis strigosa</i>	Valenciennes, 1840	Loricariidae	Siluriformes	Det	1	0	0	D	Low	400
<i>Rhinodoras dorbignyi</i>	Kner, 1855	Doradidae	Siluriformes	Det	0	0	0	D	Sub	262
<i>Rhinolekos arachas</i>	Martins, Calegari & Langeani, 2013	Loricariidae	Siluriformes	Det	0	1	0	D	Low	43
<i>Rhyacoglanis paranensis</i>	Shibatta & Vari, 2017	Pseudopimelodidae	Siluriformes	Carn	0	0	0	D	Ter	42
<i>Ricola macrops</i>	Regan, 1904	Loricariidae	Siluriformes	Omn	0	0	0	D	Low	210
<i>Rineloricaria aurata</i>	Knaack, 2002	Loricariidae	Siluriformes	Det	0	0	0	D	Low	83.5
<i>Rineloricaria cacerensis</i>	Miranda Ribeiro, 1912	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	67
<i>Rineloricaria lanceolata</i>	Günther, 1868	Loricariidae	Siluriformes	Det	0	1	0	D	Low	123
<i>Rineloricaria latirostris</i>	Boulenger, 1900	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	360
<i>Rineloricaria lima</i>	Kner, 1853	Loricariidae	Siluriformes	Det	0	0	0	D	Low	177.8
<i>Rineloricaria maacki</i>	Ingenito, Ghazzi, Duboc & Abilhoa, 2008	Loricariidae	Siluriformes	Det/Alg	0	1	0	D	Low	136
<i>Rineloricaria misionera</i>	Rodríguez & Miquelarena, 2005	Loricariidae	Siluriformes	Det	0	0	0	D	Low	97
<i>Rineloricaria parva</i>	Boulenger, 1895	Loricariidae	Siluriformes	Det	0	1	0	D	Low	110
<i>Rineloricaria pentamaculata</i>	Langeani & de Araujo, 1994	Loricariidae	Siluriformes	Inv	0	1	0	D	Low	122
<i>Rineloricaria steinbachi</i>	Regan, 1906	Loricariidae	Siluriformes	Det	0	0	0	D	Low	112.8
<i>Roeboides affinis</i>	Günther, 1868	Characidae	Characiformes	Lep	0	0	0	B	Ter	110
<i>Roeboides descalvadensis</i>	Fowler, 1932	Characidae	Characiformes	Ins/Lep	0	0	0	B	Ter	131
<i>Roeboides microlepis</i>	Reinhardt, 1851	Characidae	Characiformes	Pisc	0	0	0	B	Ter	200
<i>Salminus brasiliensis</i>	Cuvier, 1816	Bryconidae	Characiformes	Pisc	1	0	0	B	Ter	800
<i>Salminus hilarii</i>	Valenciennes, 1850	Bryconidae	Characiformes	Pisc	1	0	0	B	Ter	370
<i>Satanoperca pappaterra</i>	Heckel, 1840	Cichlidae	Cichliformes	Inv	0	1	0	B	Ter	255
<i>Schizodon altoparanae</i>	Garavello & Britski, 1990	Anostomidae	Characiformes	Her	0	0	0	B	Ter	337
<i>Schizodon borellii</i>	Boulenger, 1900	Anostomidae	Characiformes	Her	1	0	0	B	Ter	327
<i>Schizodon intermedius</i>	Garavello & Britski, 1990	Anostomidae	Characiformes	Her	0	0	0	B	Ter	287
<i>Schizodon isognathus</i>	Kner, 1858	Anostomidae	Characiformes	Her	0	0	0	B	Ter	350
<i>Schizodon nasutus</i>	Kner, 1858	Anostomidae	Characiformes	Her	1	0	0	B	Sub	390
<i>Schizodon platae</i>	Garman, 1890	Anostomidae	Characiformes	Her	0	0	0	B	Ter	102
<i>Scoloplax empousa</i>	Schaefer, Weitzman & Britski, 1989	Scoloplacidae	Siluriformes	Ins	0	0	0	D	Ter	20
<i>Serrapinnus calliurus</i>	Boulenger, 1900	Characidae	Characiformes	Zoo	0	0	0	B	Ter	56
<i>Serrapinnus heterodon</i>	Eigenmann, 1915	Characidae	Characiformes	Zoo	0	0	0	B	Ter	43
<i>Serrapinnus kriegi</i>	Schindler, 1937	Characidae	Characiformes	Alg	0	0	0	B	Ter	24
<i>Serrapinnus microdon</i>	Eigenmann, 1915	Characidae	Characiformes	Inv	0	0	0	B	Ter	42
<i>Serrapinnus notomelas</i>	Eigenmann, 1915	Characidae	Characiformes	Alg	0	0	0	B	Ter	57
<i>Serrasalmus maculatus</i>	Kner, 1858	Serrasalminidae	Characiformes	Pisc	0	1	0	P	Ter	315
<i>Serrasalmus marginatus</i>	Valenciennes, 1837	Serrasalminidae	Characiformes	Pisc	0	1	0	B	Ter	301
<i>Sorubim lima</i>	Bloch & Schneider, 1801	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Sub	615
<i>Spatuloricaria evansii</i>	Boulenger, 1892	Loricariidae	Siluriformes	Det	0	1	0	D	Low	282
<i>Spectrolebias chacoensis</i>	Amato, 1986	Cynolebiidae	Cyprinodontiformes	Omn	0	0	0	B	Sup	60



TABLE S1 | (Continued)

Species names	Authors	Family	Order	Diet	Migra-tory	Parental care	IF	Habi-tat	Mouth position	Length mm
<i>Steindachneridion melanoder-matum</i>	Garavello, 2005	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Ter	532
<i>Steindachneridion scriptum</i>	Miranda Ribeiro, 1918	Pimelodidae	Siluriformes	Pisc	1	0	0	D	Ter	900
<i>Steindachnerina biornata</i>	Braga & Azpelicueta, 1987	Curimatidae	Characiformes	Det	0	0	0	B	Ter	188
<i>Steindachnerina conspersa</i>	Holmberg, 1891	Curimatidae	Characiformes	Det	0	0	0	B	Ter	128
<i>Steindachnerina insculpta</i>	Fernández-Yépez, 1948	Curimatidae	Characiformes	Det	0	0	0	B	Sub	178
<i>Sternarchella curvioperculata</i>	Godoy, 1968	Apterodontidae	Gymnotiformes	Inv	0	0	0	B	Sup	253
<i>Sternopygus macrurus</i>	Bloch & Schneider, 1801	Sternopygidae	Gymnotiformes	Inv	0	1	0	B	Ter	597
<i>Sturisoma barbatum</i>	Kner, 1853	Loricariidae	Siluriformes	Alg	0	1	0	D	Low	280
<i>Sturisoma robustum</i>	Regan, 1904	Loricariidae	Siluriformes	Det	0	1	0	D	Low	250
<i>Synbranchus marmoratus</i>	Bloch, 1795	Synbranchidae	Syn-branchiformes	Pisc	0	1	0	D	Ter	634
<i>Tatia jaracatia</i>	Pavanelli & Bifi, 2009	Auchenipteridae	Siluriformes	Pisc	0	1	1	P	Ter	66
<i>Tatia neivai</i>	Ihering, 1930	Auchenipteridae	Siluriformes	Ins	0	1	1	B	Ter	85
<i>Tetragonopterus argenteus</i>	Cuvier, 1816	Characidae	Characiformes	Omn	0	0	0	D	Ter	112
<i>Trachelyopterus galeatus</i>	Linnaeus, 1766	Auchenipteridae	Siluriformes	Omn	0	1	1	P	Ter	237
<i>Trachelyopterus striatulus</i>	Steindachner, 1877	Auchenipteridae	Siluriformes	Omn	0	1	1	D	Ter	277
<i>Trachydoras paraguayensis</i>	Eigenmann & Ward, 1907	Doradidae	Siluriformes	Inv	0	0	0	D	Sub	186
<i>Trichomycterus boylei</i>	Nichols, 1956	Trichomycte-ridae	Siluriformes	Inv	0	0	0	B	Ter	133
<i>Trichomycterus roigi</i>	Arratia & Menu-Marque, 1984	Trichomycte-ridae	Siluriformes	Inv	0	0	0	B	Ter	110
<i>Tridentopsis cahuali</i>	Azpelicueta, 1990	Trichomycte-ridae	Siluriformes	Lep	0	0	0	B	Low	22
<i>Trigonectes aplocheiloides</i>	Huber, 1995	Cynolebiidae	Cyprinodon-tiformes	Ins	0	0	0	B	Sup	100
<i>Trigonectes balzanii</i>	Perugia, 1891	Cynolebiidae	Cyprinodon-tiformes	Ins	0	0	0	B	Sup	160
<i>Triporthesus nematurus</i>	Kner, 1858	Triporthidae	Characiformes	Ins	0	0	0	B	Ter	183
<i>Triporthesus pantanensis</i>	Malabarba, 2004	Triporthidae	Characiformes	Her	0	0	0	B	Sup	158
<i>Xenobrycon macropus</i>	Myers & Miranda Ribeiro, 1945	Characidae	Characiformes	Zoo	0	0	1	B	Ter	20
<i>Xyliphius barbatus</i>	Alonso de Arámburu & Arámburu, 1962	Aspredinidae	Siluriformes	Inv	0	0	0	D	Sub	99
<i>Zungaro jahu</i>	Ihering, 1898	Pimelodidae	Siluriformes	Pisc	1	0	0	B	Ter	1075

Neotropical Ichthyology



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