

**TABLE S2** | List of fish species captured in the lower Araguaia River, Tocantins-Araguaia basin, Tocantins State, Brazil, from March to September 2009, used to estimate length-weight (LWR) and length-length (LLR) relationships, along with the corresponding voucher specimens. Ichthyological collections: CIG = Grupo de Pesquisas em Recursos Pesqueiros e Limnologia (GERPEL), Universidade Estadual do Oeste do Paraná, Campus Toledo, Paraná State, Brazil, NUP = Núcleo de Pesquisas em Limnologia, Ictiologia e Aqüicultura, Universidade Estadual de Maringá, Paraná State, Brazil.

Species	Voucher
<b>Clupeiformes</b>	
<b>Pristigasteridae</b>	
<i>Pristigaster cayana</i> Cuvier, 1829	CIG 175, NUP 8211, NUP 8212, NUP 8213
<b>Characiformes</b>	
<b>Cynodontidae</b>	
<i>Hydrolycus armatus</i> (Jardine, 1841)	CIG 2928, CIG 2122, CIG 2965, CIG 2775
<i>Rhaphiodon vulpinus</i> Spix & Agassiz, 1829	CIG 2144
<b>Serrasalminidae</b>	
<i>Myloplus torquatus</i> (Kner, 1858)	CIG 404, NUP 8685
<i>Serrasalmus maculatus</i> Kner, 1858	CIG 148, NUP 8312, NUP 8371, NUP 8217, NUP 8388, NUP 8387
<b>Hemiodontidae</b>	
<i>Bivibranchia cf. notata</i> Vari & Goulding, 1985	
<i>Bivibranchia velox</i> (Eigenmann & Myers, 1927)	CIG 407, NUP 8363
<i>Hemiodus cf. unimaculatus</i> (Bloch, 1794)	CIG 156, NUP 9038
<b>Anostomidae</b>	
<i>Laemolyta fernandezi</i> Myers, 1950	NUP 8660
<i>Leporinus affinis</i> Günther, 1864	NUP 8219, NUP 9045, NUP 8220
<i>Leporinus maculatus</i> Müller & Troschel, 1844	NUP 9032, NUP 8272, NUP 8283, NUP 8246, NUP 9031
<i>Leporinus unitaeniatus</i> Garavello & Santos, 2009	NUP 8116, NUP 9014, NUP 9037, NUP 8996, NUP 8365
<b>Chilodontidae</b>	
<i>Caenotropus labyrinthicus</i> (Kner, 1858)	CIG 2758, NUP 8205, NUP 8314, NUP 8193, NUP 8297, NUP 8201
<b>Curimatidae</b>	
<i>Curimata inornata</i> Vari, 1989	CIG 2138
<i>Cyphocharax plumbeus</i> (Eigenmann & Eigenmann, 1889)	NUP 8084, NUP 8085, NUP 8429, NUP 8430
<i>Steindachnerina amazonica</i> (Steindachner, 1911)	NUP 8357, NUP 8081, NUP 8166, NUP 8417, NUP 8079, NUP 8144, NUP 8157
<b>Ctenoluciidae</b>	
<i>Boulengerella cuvieri</i> (Spix & Agassiz, 1829)	NUP 8203, NUP 8094, NUP 8129, NUP 9035
<b>Triporthidae</b>	
<i>Agoniatas halecinus</i> Müller & Troschel, 1845	NUP 8260, NUP 8261
<i>Triporthus albus</i> Cope, 1872	NUP 8420, NUP 8099, NUP 8098, NUP 8422
<b>Iguanodectidae</b>	
<i>Bryconops alburnoides</i> Kner, 1858	CIG 3033, NUP 8275, NUP 8360, NUP 8361, NUP 9040, NUP 8288, NUP 8362
<b>Acestrorhynchidae</b>	
<i>Acestrorhynchus microlepis</i> (Jardine, 1841)	CIG 176, NUP 8121
<b>Chalceidae</b>	
<i>Chalceus macrolepidotus</i> Cuvier, 1818	NUP 8127, NUP 8178, NUP 8179, NUP 8180
<b>Characidae</b>	
<i>Exodon paradoxus</i> Müller & Troschel, 1844	CIG 298, NUP 8087, NUP 8124, NUP 9043
<i>Roeboides affinis</i> (Günther, 1868)	CIG 336, NUP 8194
<i>Serrapinnus cf. kriegi</i> (Schindler, 1937)	CIG 309
<i>Tetraodonopterus argenteus</i> Cuvier, 1816	CIG 326, NUP 8310
<i>Tetraodonopterus chalceus</i> Spix & Agassiz, 1829	NUP 9034, NUP 8277
<b>Acestrorhamphidae</b>	
<i>Moenkhausia cf. gracilima</i> Eigenmann, 1908	CIG 3179, NUP 8190, NUP 8196, NUP 8170, NUP 8103, NUP 8372, NUP 8998, NUP 8995, NUP 9015, NUP 8294
<i>Moenkhausia cf. lepidura</i> (Kner, 1858)	CIG 3173, NUP 8113, NUP 8189
<i>Moenkhausia dichroua</i> (Kner, 1858)	CIG 322, NUP 8105
<i>Poptella cf. compressa</i> (Günther, 1864)	NUP 8317, NUP 8088, NUP 8276, NUP 8162, NUP 8163



TABLE S2 | (Continued)

Species	Voucher
<b>Siluriformes</b>	
<b>Cetopsidae</b>	
<i>Cetopsis coecutiens</i> (Lichtenstein, 1819)	CIG 368
<b>Loricariidae</b>	
<i>Aphanotorulus emarginatus</i> (Valenciennes, 1840)	CIG 188, CIG 389
<i>Baryancistrus niveatus</i> (Castelnau, 1855)	NUP 9490, NUP 10960, NUP 10961
<i>Limatulichthys griseus</i> (Eigenmann, 1909)	NUP 9033, NUP 15220
<i>Loricaria cataphracta</i> Linnaeus, 1758	CIG 330, NUP 8130, NUP 8131
<i>Peckoltia vittata</i> (Steindachner, 1881)	NUP 8128, NUP 8232, NUP 9784
<i>Sturisoma rostratum</i> (Spix & Agassiz, 1829)	NUP 15225
<b>Auchenipteridae</b>	
<i>Ageneiosus inermis</i> (Linnaeus, 1766)	CIG 2113
<i>Ageneiosus ucayalensis</i> Castelnau, 1855	NUP 8247, NUP 8248, NUP 8270
<i>Auchenipterichthys coracoideus</i> (Eigenmann & Allen, 1942)	NUP 8351, NUP 8264, NUP 8273, NUP 8254
<i>Auchenipterus nuchalis</i> (Spix & Agassiz, 1829)	NUP 8143, NUP 8251, NUP 10178, NUP 10179
<i>Auchenipterus osteomystax</i> (Miranda Ribeiro, 1918)	NUP 8250
<b>Doradidae</b>	
<i>Hassar wilderi</i> Kindle, 1895	CIG 2114
<i>Tenellus leporhinus</i> (Eigenmann, 1912)	NUP 9013
<b>Pimelodidae</b>	
<i>Pimelodus cf. blochii</i> Valenciennes, 1840	CIG 2811, NUP 8296
<i>Pinirampus pirinampu</i> (Spix & Agassiz, 1829)	CIG 2846, CIG 2933
<b>Cichliformes</b>	
<b>Cichlidae</b>	
<i>Cichla piquiti</i> Kullander & Ferreira, 2006	NUP 8184, NUP 8265, NUP 8279
<i>Satanoperca acuticeps</i> (Heckel, 1840)	NUP 8306
<b>Acanthuriformes</b>	
<b>Sciaenidae</b>	
<i>Pachyurus junki</i> Soares & Casatti, 2000	CIG 2804, CIG 2779, CIG 2777, CIG 2776
<i>Plagioscion squamosissimus</i> (Heckel, 1840)	CIG 2937, CIG 2145, CIG 3137



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