

TABLE S4 | Taxonomy and abundance of fish collected in four Eastern Amazon basins. MZUFPA - Museu de Zoologia da Universidade Federal do Pará, Belém, Pará, Brazil. Taxonomic classification (at species level and above) followed the Eschmeyer's Catalog of Fishes (Fricke *et al.*, 2023).

Taxon	Voucher number - MZUFPA	Tapajós	Anapu	Acará	Capim	Total
Beloniformes						
Belonidae						
<i>Potamorhaphis eigenmanni</i> Miranda Ribeiro, 1915	193	0	0	0	1	1
<i>Potamorhaphis guianensis</i> (Jardine, 1843)	194	0	1	0	0	1
Characiformes						
Acestrorhynchidae						
<i>Acestrorhynchus</i> sp.	195	0	1	0	0	1
<i>Gnathocharax steindachneri</i> Fowler, 1913	198	0	24	6	0	30
Characidae						
<i>Bario steindachneri</i> (Eigenmann, 1893)	196	0	0	0	1	1
<i>Hemigrammus</i> aff. <i>guyanensis</i> Géry, 1959	203	0	425	0	0	425
<i>Hemigrammus bellottii</i> (Steindachner, 1882)	199	0	144	251	0	395
<i>Hemigrammus</i> cf. <i>bellottii</i> (Steindachner, 1882)	200	0	0	0	277	277
<i>Hemigrammus</i> cf. <i>ocellifer</i> (Steindachner, 1882)	201	0	49	82	0	131
<i>Hemigrammus</i> cf. <i>schmardae</i> (Steindachner, 1882)	206	16	0	0	0	16
<i>Hemigrammus ocellifer</i> (Steindachner, 1882)	204	25	0	0	64	89
<i>Hemigrammus rodwayi</i> Durbin, 1909	205	0	0	0	161	161
<i>Hemigrammus unilineatus</i> (Gill, 1858)	209	0	1	0	0	1
<i>Hemigrammus</i> sp. 1	207	0	0	0	10	10
<i>Hemigrammus</i> sp. 2	208	48	0	0	0	48
<i>Hyphessobrycon bentosi</i> Durbin, 1908	210	0	0	92	1	93
<i>Hyphessobrycon heterorhabdus</i> (Ulrey, 1894)	211	5	699	395	4292	5391
<i>Knodus</i> cf. <i>victoriae</i> (Steindachner, 1907)	212	0	0	0	1	1
<i>Moenkhausia</i> cf. <i>comma</i> Eigenmann, 1908	213	0	0	2	3	5
<i>Moenkhausia collettii</i> (Steindachner, 1882)	214	40	0	1	2	43
<i>Moenkhausia oligolepis</i> (Günther, 1864)	215	0	0	0	10	10
<i>Petitella</i> cf. <i>rhodostoma</i> (Ahl, 1924)	202	0	0	0	1	1
<i>Priocharax</i> sp.	216	0	4	0	0	4
<i>Pristella maxillaris</i> (Ulrey, 1894)	217	0	2	0	0	2
Crenuchidae						
<i>Characidium</i> cf. <i>etheostoma</i> Cope, 1872	218	0	0	0	31	31
<i>Characidium</i> sp.	219	0	0	107	0	107
<i>Crenuchus spilurus</i> Günther, 1863	220	1	1230	10	112	1353
<i>Melanocharacidium dispilomma</i> (Buckup, 1993)	221	0	0	45	0	45
<i>Microcharacidium</i> sp.	222	0	115	2005	986	3106
Curimatidae						
<i>Curimatopsis crypticus</i> Vari, 1982	223	0	0	0	12	12
<i>Cyphocarax spilurus</i> (Günther, 1864)	224	0	2	0	0	2
Erythrinidae						
<i>Erythrinus erythrinus</i> (Bloch & Schneider, 1801)	225	7	5	17	310	339
<i>Hoplerythrinus unitaeniatus</i> (Spix & Agassiz, 1829)	226	0	2	0	1	3
<i>Hoplias malabaricus</i> (Bloch, 1794)	227	0	23	6	30	59
Gasteropelecidae						
<i>Carnegiella strigata</i> (Günther, 1864)	228	0	517	50	1	568
Iguanodectidae						
<i>Bryconops</i> aff. <i>caudomaculatus</i> (Günther, 1864)	229	0	0	0	1	1
<i>Bryconops</i> cf. <i>caudomaculatus</i> (Günther, 1864)	230	0	0	0	6	6
<i>Bryconops munduruku</i> Silva-Oliveira, Canto & Ribeiro, 2015	231	4	0	0	0	4
<i>Bryconops</i> sp.	197	0	0	0	3	3

TABLE S4 | (Continued)

Taxon	Voucher number - MZUFPA	Tapajós	Anapu	Acará	Capim	Total
<i>Iguanodectes rachovii</i> Regan, 1912	232	0	5	86	782	873
<i>Iguanodectes variatus</i> Géry, 1993	233	19	0	0	0	19
Lebiasinidae						
<i>Copeina guttata</i> (Steindachner, 1876)	234	0	5	0	0	5
<i>Copella arnoldi</i> (Regan, 1912)	235	0	3961	366	510	4837
<i>Copella nattereri</i> (Steindachner, 1876)	236	1	0	0	0	1
<i>Copella nigrofasciata</i> (Meinken, 1952)	237	69	479	0	0	548
<i>Nannostomus eques</i> Steindachner, 1876	238	0	25	1	0	26
<i>Nannostomus nitidus</i> Weitzman, 1978	239	0	0	3	40	43
<i>Nannostomus trifasciatus</i> Steindachner, 1876	240	0	31	30	66	127
<i>Pyrrhulina capim</i> Vieira & Netto-Ferreira, 2019	241	0	0	44	551	595
<i>Pyrrhulina semifasciata</i> Steindachner, 1876	242	0	1	0	0	1
<i>Pyrrhulina</i> sp.	243	0	9	0	0	9
Cyprinodontiformes						
Rivulidae						
<i>Anablepsoides wrophthalmus</i> (Günther, 1866)	244	0	5	75	286	366
<i>Laimosemion strigatus</i> (Regan, 1912)	245	0	0	96	0	96
<i>Laimosemion</i> cf. <i>dibaphus</i> (Myers, 1927)	246	124	0	0	0	124
<i>Melanorivulus</i> cf. <i>modestus</i> (Costa, 1991)	247	79	0	0	0	79
Rivulidae gen.	248	0	96	0	0	96
Gymnotiformes						
Gymnotidae						
<i>Gymnotus carapo</i> Linnaeus, 1758	249	1	0	0	6	7
<i>Gymnotus</i> cf. <i>anguillaris</i> Hoedeman, 1962	250	12	0	0	0	12
<i>Gymnotus</i> cf. <i>coropinae</i> Hoedeman, 1962	251	2	11	15	160	188
<i>Gymnotus</i> gr. <i>carapo</i> Linnaeus, 1758	252	0	0	4	0	4
<i>Gymnotus</i> gr. <i>pantherinus</i> (Steindachner, 1908)	253	0	9	0	0	9
<i>Gymnotus</i> sp.	254	0	0	15	109	124
Hypopomidae						
<i>Brachyhypopomus beebei</i> (Schultz, 1944)	255	0	0	102	0	102
<i>Brachyhypopomus brevirostris</i> (Steindachner, 1868)	256	0	0	24	19	43
<i>Brachyhypopomus bullocki</i> Sullivan & Hopkins, 2009	257	0	0	9	0	9
<i>Brachyhypopomus</i> cf. <i>brevirostris</i> (Steindachner, 1868)	258	0	79	0	0	79
<i>Brachyhypopomus</i> sp. "com pontos"	260	0	0	2	0	2
<i>Brachyhypopomus</i> sp. 1	261	0	0	2	0	2
<i>Brachyhypopomus</i> sp. 2	262	0	0	0	100	100
<i>Brachyhypopomus</i> sp. 3	259	0	0	0	1	1
Rhamphichthyidae						
<i>Gymnorhamphichthys rondoni</i> (Miranda Ribeiro, 1920)	268	0	4	92	347	443
<i>Hypopygus benoneae</i> Peixoto, Dutra, de Santana & Wosiacki, 2013	263	0	1	0	0	1
<i>Hypopygus lepturus</i> Hoedeman, 1962	264	0	15	17	13	45
<i>Steatogenys elegans</i> (Steindachner, 1880)	266	0	0	7	0	7
<i>Steatogenys</i> sp.	267	0	1	0	0	1
<i>Eigenmannia</i> aff. <i>trilineata</i> López & Castello, 1966	269	0	0	12	0	12
<i>Sternopygus macrurus</i> (Bloch & Schneider, 1801)	270	0	0	1	2	3



TABLE S4 | (Continued)

Taxon	Voucher number - MZUFPA	Tapajós	Anapu	Acará	Capim	Total
Cichliformes						
Cichlidae						
<i>Acaronia nassa</i> (Heckel, 1840)	271	0	9	0	0	9
<i>Aequidens pallidus</i> (Heckel, 1840)	272	17	0	0	0	17
<i>Aequidens tetramerus</i> (Heckel, 1840)	273	0	29	20	161	210
<i>Apistogramma</i> gr. <i>agassizii</i> (Steindachner, 1875)	274	4	1546	0	0	1550
<i>Crenicara punctulatum</i> (Günther, 1863)	275	0	0	1	0	1
<i>Crenicara</i> sp.	276	0	0	0	2	2
<i>Crenicichla</i> gr. <i>saxatilis</i> (Linnaeus, 1758)	277	0	0	31	128	159
<i>Crenicichla inpa</i> Ploeg, 1991	278	6	0	0	0	6
<i>Crenicichla labrina</i> (Spix & Agassiz, 1831)	279	0	4	0	0	4
<i>Crenicichla regani</i> Ploeg, 1989	280	0	0	0	1	1
<i>Heros</i> sp.	281	0	0	0	1	1
<i>Hypselecara temporalis</i> (Günther, 1862)	282	0	0	2	0	2
<i>Nannacara taenia</i> Regan, 1912	283	0	923	56	92	1071
<i>Satanoperca jurupari</i> (Heckel, 1840)	284	0	0	0	4	4
<i>Taeniacara candidi</i> Myers, 1935	285	0	2	0	0	2
Polycentridae						
<i>Monocirrhus polyacanthus</i> Heckel, 1840	287	0	11	2	0	13
Gobiformes						
Eleotridae						
<i>Microphilypnus</i> aff. <i>ternetzi</i> Myers, 1927	286	0	4	0	0	4
Siluriformes						
Aspredinidae						
<i>Bunocephalus coracoideus</i> (Cope, 1874)	288	0	0	23	0	23
Auchenipteridae						
<i>Tetranematichthys barthemi</i> Peixoto & Wosiacki, 2010	289	0	0	2	0	2
<i>Tetranematichthys wallacei</i> Vari & Ferraris, 2006	290	0	1	0	1	2
Callichthyidae						
<i>Callichthys callichthys</i> (Linnaeus, 1758)	291	0	32	1	1	34
<i>Megalechis picta</i> (Müller & Troschel, 1849)	292	0	0	0	1	1
<i>Megalechis thoracata</i> (Valenciennes, 1840)	293	0	0	2	1	3
Cetopsidae						
<i>Denticetopsis epa</i> Vari, Ferraris & de Pinna, 2005	294	0	0	1	12	13
<i>Helogenes marmoratus</i> Günther, 1863	295	59	29	155	269	512
Phreatobiidae						
<i>Phreatobius cisternarum</i> (Goeldi, 1905)	296	0	0	2	0	2
Doradidae						
<i>Acanthodoras cataphractus</i> (Linnaeus, 1758)	297	0	1	0	1	2
<i>Physopyxis ananas</i> Sousa & Rapp Py Daniel, 2005	298	0	128	39	0	167
Heptapteridae						
<i>Gladioglanis conquistador</i> Lundberg, Bornbusch & Mago Leccia, 1991	299	0	0	77	1	78
<i>Gladioglanis</i> sp.	300	0	43	0	0	43
<i>Mastiglanis</i> cf. <i>asopos</i> Bockmann, 1994	301	0	0	8	7	15
<i>Pimelodella</i> sp.	302	0	0	0	13	13
<i>Rhamdia quelen</i> (Quoy & Gaimard, 1824)	303	0	0	5	0	5
<i>Rhamdia muelleri</i> (Günther, 1824)	304	0	0	0	5	5



TABLE S4 | (Continued)

Taxon	Voucher number - MZUFPA	Tapajós	Anapu	Acará	Capim	Total
Loricariidae						
<i>Farlowella amazonum</i> (Günther, 1864)	305	0	0	29	11	40
<i>Otocinclus mura</i> Schaefer, 1997	307	0	0	8	0	8
<i>Rineloricaria hasemani</i> Isbrücker & Nijssen, 1979	308	0	0	2	0	2
<i>Rineloricaria</i> sp.	309	0	0	0	2	2
Pseudopimelodidae						
<i>Batrochoglanis raninus</i> (Valenciennes, 1840)	310	0	0	2	4	6
Trichomycteridae						
<i>Ituglanis amazonicus</i> (Steindachner, 1882)	311	1	0	67	82	150
<i>Paracanthopoma parva</i> (Giltay, 1935)	312	0	0	6	0	6
<i>Paracanthopoma</i> sp.	313	0	0	0	25	25
<i>Potamoglanis hasemani</i> (Eigenmann, 1914)	314	0	112	516	136	764
Synbranchiiformes						
Synbranchidae						
<i>Synbranchus marmoratus</i> Bloch, 1795	315	2	2	0	17	21
TOTAL		630	11430	5743	11459	29262

REFERENCES

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