

TABLE S3 | Checklist of species captured, grouped by Multivariate Regression Tree clusters. V: the species was seen during the sampling but not captured; Ct: total individual count. Catalog numbers are from the Colección Nacional de Peces, Instituto de Biología of the Universidad Nacional Autónoma de México, Mexico City, Mexico (IBH).

No.	Taxon	Ct.	G1	G2	G3	G4	Catalog #
	Lepisosteiformes						
	Lepisosteidae						
1	<i>Atractosteus tropicus</i> Gil, 1863	2	-	-	X	-	-
	Elopiformes						
	Megalopidae						
2	<i>Megalops atlanticus</i> Valenciennes, 1847	-	-	-	V	-	-
	Clupeidae						
3	<i>Dorosoma anale</i> Meek, 1904	10	-	-	X	-	-
4	<i>Dorosoma petenense</i> (Günther, 1867)	122	-	X	X	-	22438, 23776
	Cypriniformes						
	Cyprinidae						
5	<i>Ctenopharyngodon idella</i> (Valenciennes, 1844)	1	-	-	X	-	-
	Characiformes						
	Characidae						
6	<i>Astyanax</i> spp.	4418	X	X	X	X	22396, 22403, 22411, 22416, 22424, 22430, 22439, 22443, 22448, 22457, 22976, 22987, 22999, 23010, 23024, 23032, 23051, 23071, 23078, 23746, 23752, 23757, 23763, 23772, 23777
7	<i>Hypessobrycon compressus</i> (Meek, 1904)	353	-	X	X	X	22425, 22444, 23033, 23052, 23747, 23758, 23764, 23778
	Bryconidae						
8	<i>Brycon guatemalensis</i> Regan, 1908	257	-	-	X	X	22977, 22988, 23000, 23025, 23085, 23734
	Siluriformes						
	Lacantuniidae						
9	<i>Lacantunia enigmatica</i> Rodiles-Hernández, Hendrickson & Lundberg, 2005	1	-	-	X	-	-
	Ictaluridae						
10	<i>Ictalurus meridionalis</i> (Günther, 1864)	1	-	-	X	-	22418
	Ariidae						
11	<i>Cathorops aguadulce</i> (Meek, 1904)	7	-	-	X	-	-
	Heptapteridae						
12	<i>Rhamdia guatemalensis</i> (Günther, 1864)	163	X	-	X	X	22412, 23011, 23034, 23046
13	<i>Rhamdia laticauda</i> (Kner, 1858)	51	X	-	X	X	22397, 22978, 22989, 23012, 23035, 23053, 23228, 23061
	Loricariidae						
14	<i>Pterygoplichthys disjunctivus</i> (Weber, 1991)	80	-	X	X	-	-
	Batrachoidiformes						
	Batrachoididae						
15	<i>Batrachoides goldmani</i> Evermann & Goldsborough, 1902	26	-	-	X	-	-



TABLE S3 | (Continued)

No.	Taxon	Ct.	G1	G2	G3	G4	Catalog #
	Gobiiformes						
	Eleotridae						
16	<i>Gobiomorus dormitor</i> Lacepède, 1800	4	-	-	X	-	-
17	<i>Leptophilypnus guatemalensis</i> Thacker & Pezold, 2006	199	X	-	X	X	22437, 22456, 22461, 22986, 22998, 23045, 23745
	Mugiliformes						
	Mugilidae						
18	<i>Mugil curema</i> Valenciennes, 1836	-	-	-	V	-	-
	Cichliformes						
	Cichlidae						
19	<i>Chuco intermedius</i> (Günther, 1862)	343	X	-	X	X	22409, 22463, 22985, 22996, 23004, 23020, 23042, 23057, 23067, 23087, 23751, 23755
20	<i>Cincolichthys pearsei</i> (Hubbs, 1936)	21	-	X	X	-	-
21	<i>Maskaheros argenteus</i> (Allgayer, 2002)	25	-	X	X	X	23073
22	<i>Mayaheros urophthalmus</i> (Günther, 1862)	61	-	X	X	-	23074, 23784
23	<i>Oscura heterospila</i> (Hubbs, 1936)	2	-	-	X	-	23183
24	<i>Parachromis multifasciatus</i> (Regan, 1905)	22	-	X	X	-	23785
25	<i>Petenia splendida</i> Günther, 1962	133	-	X	X	X	22422, 22442, 23058, 23068, 23089
26	<i>Rheoheros lentiginosus</i> (Steindachner, 1864)	198	-	-	X	X	22401, 22454, 22464, 23069, 23082, 23090, 23741
27	<i>Rocio octofasciata</i> (Regan, 1903)	32	X	X	X	-	-
28	<i>Theraps irregularis</i> Günther, 1862	181	-	-	X	X	22400, 22997, 23005, 23031, 23091, 23738
29	<i>Thorichthys helleri</i> (Steindachner, 1864)	576	-	X	X	X	22402, 22410, 22423, 22428, 22435, 22447, 22455, 23006, 23008, 23021, 23030, 23043, 23075, 23083, 23742
30	<i>Thorichthys meeki</i> Brind, 1918	373	-	X	X	-	23059, 23076, 23786
31	<i>Thorichthys pasionis</i> (Rivas, 1962)	392	-	X	X	-	23077, 23787
32	<i>Thorichthys socolofi</i> (Miller & Taylor, 1984)	6	-	-	X	-	-
33	<i>Trichromis salvini</i> (Günther, 1862)	163	-	X	X	X	22436, 23009, 23022, 23044, 23060, 23762, 23771
34	<i>Vieja bifasciata</i> (Steindachner, 1864)	174	-	X	X	-	23788
35	<i>Vieja melanura</i> (Günther, 1862)	102	-	X	X	-	22429, 23092
36	<i>Wajpamheros nourissati</i> (Allgayer, 1989)	86	-	-	X	X	23023, 23070, 23084, 23743
37	<i>Oreochromis aureus</i> (Steindachner, 1864)						23088
	Atheriniformes						
	Atherinopsidae						
38	<i>Atherinella alvarezzi</i> (Díaz-Pardo, 1972)	3123	-	X	X	X	22405, 22419, 22426, 22431, 22445, 22450, 22458, 22462, 22979, 22990, 23001, 23010, 23026, 23036, 23062, 23079, 23735, 23739, 23749, 23756, 23779
39	<i>Atherinella schultzi</i> (Álvarez & Carranza, 1952)	131	-	-	X	-	23748, 23753, 23765
	Beloniformes						
	Belonidae						
40	<i>Strongylura hubbsi</i> Collette, 1974	86	-	-	X	X	22449, 23027, 23063, 23080, 2386
	Hemiramphidae						
41	<i>Hyporhamphus mexicanus</i> Álvarez, 1959	49	-	-	X	-	23064



TABLE S3 | (Continued)

No.	Taxon	Ct.	G1	G2	G3	G4	Catalog #
	Cyprinodontiformes						
	Cynolebiidae						
42	<i>Cynodonichthys tenuis</i> Meek, 1904	38	X	-	X	-	22382, 23789
	Poeciliidae						
43	<i>Belonesox belizanus</i> Kner, 1860	66	-	-	X	X	23759, 23780
44	<i>Carlhubbsia kidderi</i> (Hubbs, 1936)	2	-	X	-	-	23781
45	<i>Gambusia sexradiata</i> Hubbs, 1936	377	-	X	X	-	23065, 23760, 23767, 23773, 23782
46	<i>Phallichthys fairweatheri</i> Rosen & Bailey, 1959	230	-	X	X	-	23783
47	<i>Poecilia kykesis</i> Poeser, 2002	262	-	X	X	-	23072
48	<i>Poecilia mexicana</i> Steindachner, 1863	1722	X	-	X	X	23066, 23081, 230736, 23740, 23750, 23761
49	<i>Poecilia sphenops</i> Valenciennes, 1849	33	-	-	X	X	23028
50	<i>Poeciliopsis</i> spp.	47	-	-	X	X	-
51	<i>Pseudoxiphophorus bimaculatus</i> (Heckel, 1848)	1356	X	-	X	X	22407, 22414, 22432, 22459, 22981, 23038, 23047, 23754, 23766, 23768, 23774
52	<i>Xenodexia ctenolepis</i> Hubbs, 1950	257	-	-	X	X	22399, 22433, 22441, 22982, 22993, 23017, 23029, 23737
53	<i>Xiphophorus hellerii</i> Heckel, 1848	723	X	-	X	X	22406, 22415, 22434, 22446, 22460, 22983, 22994, 23018, 23039, 23048, 23769
54	<i>Xiphophorus maculatus</i> (Günther, 1866)	31	-	-	X	X	22453, 23040, 23770, 23775
	Synbranchiformes						
	Synbranchidae						
55	<i>Ophisternon aenigmaticum</i> Rosen & Greenwood, 1976	184	X	-	X	X	22984, 22995, 23003, 23019, 23041, 23049
	Perciformes						
	Centropomidae						
56	<i>Centropomus undecimalis</i> (Bloch, 1792)	-	-	-	V	-	-
	Gerreidae						
57	<i>Eugerres mexicanus</i> (Steindachner, 1863)	65	-	-	X	X	23007, 23744



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