

SUPPLEMENTARY MATERIAL S1

TABLE S1 | List of samples sequenced in this study and their respective museum catalog data, tissue number, locality data [drainage (populations) and paleodrainage (group), and GenBank accession numbers for Cytochrome Oxidase subunit 1 (cox 1) and rpS7 ribosomal protein gene intron 1 (rpS7).

Catalog Number	Specimen Tag	Drainage	Paleodrainage	Geographic Coordinates	cox 1	rpS7
UFRGS 19154	TEC 4872a	Tramandaí	tramandaí	29° 33' 06.59" S 50° 04' 17.13" W	MT502301	MT505374
UFRGS 19154	TEC 4872b	Tramandaí	tramandaí	29° 33' 06.59" S 50° 04' 17.13" W	MT502305	-
UFRGS 19145	TEC 4863a	Tramandaí	tramandaí	29° 46' 09.48" S 50° 04' 32.2" W	MT502298	-
UFRGS 19212	TEC 4907b	Tramandaí	tramandaí	30° 09' 09.17" S 50° 13' 11.63" W	MT502308	MT505361
UFRGS 17708	TEC 3443	Tramandaí	tramandaí	29° 39' 58.44" S 50° 01' 53.58" W	MT502304	-
UFRGS 19583	TEC 5174a	Tramandaí	tramandaí	29° 57' 4" S 50° 13' 2" W	MT502300	MT505357
UFRGS 19095	TEC 4825a	Tramandaí	tramandaí	29° 57' 56.8" S 50° 13' 46.9" W	MT502299	-
UFRGS 20818	TEC 5957	Tramandaí	tramandaí	29° 30' 43.5" S 50° 05' 32" W	MT502306	MT505372
UFRGS 12654	TEC 1386a	Mampituba	tramandaí	29° 11' 57.7" S 49° 57' 05.6" W	MT502302	-
UFRGS 12718	TEC 1455a	Mampituba	tramandaí	29° 11' 54.3" S 49° 57' 57.2" W	MT502307	MT505356
UFRGS 21091	TEC 6200b	Mampituba	tramandaí	29° 13' 41.5" S 49° 51' 51.9" W	MT502288	-
UFRGS 21390	TEC 6415a	Urussanga	tramandaí	28° 35' 35.2" S 49° 14' 31.8" W	MT502291	-
UFRGS 21390	TEC 6415b	Urussanga	tramandaí	28° 35' 35.2" S 49° 14' 31.8" W	MT502292	-
UFRGS 21390	TEC 6415c	Urussanga	tramandaí	28° 35' 35.2" S 49° 14' 31.8" W	MT502290	-
UFRGS 21390	TEC 6415d	Urussanga	tramandaí	28° 35' 35.2" S 49° 14' 31.8" W	MT502293	-
UFRGS 12592	TEC 1268	Araranguá	tramandaí	28° 47' 15" S 49° 32' 44" W	MT502303	-
UFRGS 20842	TEC 5980a	Araranguá	tramandaí	28° 59' 59.8" S 49° 46' 40.2" W	MT502309	MT505355
UFRGS 20842	TEC 5980b	Araranguá	tramandaí	28° 59' 59.8" S 49° 46' 40.2" W	MT502297	-
UFRGS 20842	TEC 5980c	Araranguá	tramandaí	28° 59' 59.8" S 49° 46' 40.2" W	MT502294	-
UFRGS 20842	TEC 5980d	Araranguá	tramandaí	28° 59' 59.8" S 49° 46' 40.2" W	MT502296	-
UFRGS 24696	TEC 8258a	Tubarão	tramandaí	28° 19' 23" S 49° 04' 17" W	MT502295	-
UFRGS 24696	TEC 8258b	Tubarão	tramandaí	28° 19' 23" S 49° 04' 17" W	MT502257	-
UFRGS 24696	TEC 8258c	Tubarão	tramandaí	28° 19' 23" S 49° 04' 17" W	MT502285	-
UFRGS 24696	TEC 8258d	Tubarão	tramandaí	28° 19' 23" S 49° 04' 17" W	L6252-Asn	-
UFRGS 24991	TEC 8531a	Tubarão	tramandaí	28° 18' 06" S 48° 59' 55" W	MT502289	MT505373
UFRGS 24991	TEC 8531b	Tubarão	tramandaí	28° 18' 06" S 48° 59' 55" W	MT502286	-
UFRGS 24991	TEC 8531d	Tubarão	tramandaí	28° 18' 06" S 48° 59' 55" W	MT502256	-
UFRGS 20441	TEC 5700a	Cubatão Sul	florianópolis	27° 41' 54" S 48° 43' 37.3" W	MT502329	MT505362

TABLE S1 | (Continued)

Catalog Number	Specimen Tag	Drainage	Paleodrainage	Geographic Coordinates	cox 1	rpS7
UFRGS 20441	TEC 5700b	Cubatão Sul	florianópolis	27° 41' 54" S 48° 43' 37,3" W	-	MT505363
UFRGS 20441	TEC 5700c	Cubatão Sul	florianópolis	27° 41' 54" S 48° 43' 37,3" W	MT502332	-
UFRGS 20441	TEC 5700e	Cubatão Sul	florianópolis	27° 41' 54" S 48° 43' 37,3" W	MT502333	-
UFRGS 20929	TEC 6046a	Biguaçu	florianópolis	27° 29' 43,6" S 48° 46' 57" W	MT502330	MT505380
UFRGS 20929	TEC 6046b	Biguaçu	florianópolis	27° 29' 43,6" S 48° 46' 57" W	MT502336	-
UFRGS 22908	TEC 7346a	Biguaçu	florianópolis	27° 28' 22,8" S 48° 48' 00,8" W	MT502331	MT505364
UFRGS 22908	TEC 7346b	Biguaçu	florianópolis	27° 28' 22,8" S 48° 48' 00,8" W	MT502334	-
UFRGS 22908	TEC 7346c	Biguaçu	florianópolis	27° 28' 22,8" S 48° 48' 00,8" W	MT502338	-
UFRGS 18546	TEC 3883a	Tijucas	florianópolis	27° 16' 00" S 48° 49' 15" W	MT502328	MT505379
UFRGS 20909	TEC 6029	Tijucas	florianópolis	27° 26' 01" S 48° 58' 51" W	-	MT505364
UFRGS 23236	TEC 7459a	Tijucas	florianópolis	27° 22' 46,4" S 48° 55' 34,7" W	MT502339	-
UFRGS 23236	TEC 7459b	Tijucas	florianópolis	27° 22' 46,4" S 48° 55' 34,7" W	MT502340	-
UFRGS 20956	TEC 6070c	Tijucas	florianópolis	27° 17' 40" S 48° 58' 27" W	MT502337	-
UFRGS 26907	TEC 9145b	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502272	-
UFRGS 26907	TEC 9145c	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502273	MT505369
UFRGS 26907	TEC 9145d	Itajaí	Itajaí	26° 59' 54" S 49° 11' 24" W	MT502268	-
UFRGS 26907	TEC 9145e	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502269	-
UFRGS 26896	TEC 9135a	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502266	-
UFRGS 26896	TEC 9135b	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502270	-
UFRGS 26896	TEC 9135c	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502271	MT505367
UFRGS 26896	TEC 9135d	Itajaí	itajaí	26° 59' 54" S 49° 11' 24" W	MT502267	MT505368
UFRGS 24764	TEC 8322a	Itajaí-Mirim	itajaí	27° 11' 45,2" S 49° 04' 46,1" W	MT502335	MT505377
UFRGS 24764	TEC 8322b	Itajaí-Mirim	itajaí	27° 11' 45,2" S 49° 04' 46,1" W	MT502321	-
UFRGS 24764	TEC 8322c	Itajaí-Mirim	itajaí	27° 11' 45,2" S 49° 04' 46,1" W	L6252-Asn	-
UFRGS 24765	TEC 8323a	Itajaí-Mirim	itajaí	27° 11' 45,2" S 49° 04' 46,1" W	MT502326	MT505376
UFRGS 24765	TEC 8323b	Itajaí-Mirim	itajaí	27° 11' 45,2" S 49° 04' 46,1" W	MT502327	-
UFRGS 24455	TEC 8092a	Itapocu	itajaí	26° 26' 02,6" S 49° 12' 34,4" W	MT502322	-
UFRGS 24455	TEC 8092b	Itapocu	itajaí	26° 26' 02,6" S 49° 12' 34,4" W	MT502324	MT505378
UFRGS 24455	TEC 8092c	Itapocu	itajaí	26° 26' 02,6" S 49° 12' 34,4" W	MT502325	-
UFRGS 18549	TEC 3919a	Itapocu	itajaí	26° 25' 10" S 49° 10' 42" W	MT502323	MT505359



TABLE S1 | (Continued)

Catalog Number	Specimen Tag	Drainage	Paleodrainage	Geographic Coordinates	cox 1	rpS7
UFRGS 24701	TEC 8263a	Cubatão Norte	itajaí	26° 11' 48.9" S 48° 55' 19.5" W	MT502316	MT505375
UFRGS 24319	TEC 8004a	Cubatão Norte	itajaí	26° 11' 48.9" S 48° 55' 19.5" W	MT502313	MT505382
UFRGS 24319	TEC 8004b	Cubatão Norte	itajaí	26° 11' 48.9" S 48° 55' 19.5" W	MT502311	-
UFRGS 24324	TEC 8009a	Cubatão Norte	itajaí	26° 10' 36.1" S 48° 57' 15.0" W	MT502314	-
UFRGS 24702	TEC 8264a	Guaratuba	itajaí	25° 56' 43.3" S 48° 48' 22.2" W	MT502320	-
UFRGS 24699	TEC 8261a	Guaratuba	itajaí	25° 42' 24.3" S 48° 45' 14.2" W	MT502315	MT505366
UFRGS 24699	TEC 8261b	Guaratuba	itajaí	25° 42' 24.3" S 48° 45' 14.2" W	MT502319	-
UFRGS 24458	TEC 8095	Guaratuba	itajaí	26° 00' 59" S 48° 50' 59" W	MT502312	-
UFRGS 18670	TEC 3990a	Paranaguá	paranaguá	25° 18' 33" S 48° 44' 41" W	MT502318	MT505381
UFRGS 20776	TEC 5930a	Paranaguá	paranaguá	25° 23' 07.9" S 48° 47' 00" W	MT502310	-
UFRGS 20776	TEC 5930c	Paranaguá	paranaguá	25° 23' 07.9" S 48° 47' 00" W	MT502262	-
UFRGS 14705	TEC 771a	Paranaguá	paranaguá	25° 10' 51.9" S 48° 24' 28" W	MT502258	MT505358
UFRGS 24697	TEC 8259a	Paranaguá	paranaguá	25° 09' 28.4" S 48° 13' 42.8" W	MT502317	-
UFRGS 24703	TEC 8265a	Paranaguá	paranaguá	25° 25' 07.5" S 48° 49' 33.3" W	MT502265	-
UFRGS 24700	TEC 8262b	Paranaguá	paranaguá	25° 22' 19.5" S 48° 46' 38.6" W	MT502264	-
UFRGS 18580	TEC 4322a	Ribeira	ribeira	24° 38' 35" S 48° 17' 36" W	MT502259	-
UFRGS 18580	TEC 4322b	Ribeira	ribeira	24° 38' 35" S 48° 17' 36" W	MT502260	-
UFRGS 18580	TEC 4322c	Ribeira	ribeira	24° 38' 35" S 48° 17' 36" W	MT502261	-
UFRGS 18574	TEC 4312a	Ribeira	ribeira	24° 34' 48" S 48° 35' 29" W	MT502341	MT505360
UFRGS 24698	TEC 8260a	Ribeira	ribeira	24° 34' 46.7" S 48° 35' 28.8" W	MT502342	MT505353
UFRGS 24698	TEC 8260b	Ribeira	ribeira	24° 34' 46.7" S 48° 35' 28.8" W	MT502263	-
UFRGS 24704	TEC 8266a	Ribeira	ribeira	24° 16' 01" S 47° 09' 57" W	MT502343	-

Neotropical Ichthyology



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- **Pio NL, Carvalho TP.** Evidence on the paleodrainage connectivity during Pleistocene: Phylogeography of a hypoptopomatine endemic to southeastern Brazilian coastal drainages. *Neotrop Ichthyol.* 2021; 19(2):e200128. <https://doi.org/10.1590/1982-0224-2020-0128>