

TABLE S1 | Data associated with the *Rineloricaria* sequences. Museum catalogue number refers to lots of whole organisms in the Ichthyological Collection of the Museu Nacional, UFRJ (MNRJ); voucher code refers to the tissue catalogue number in the Fish Tissue Collection of the Museu Nacional (MNTI); BOLD Sample ID refers to specimen records in the BoldSystems database (<http://www.boldsystems.org/>), which are also used in the DNA Extract Collection of the Laboratório de Pesquisa em Biodiversidade Molecular, Museu Nacional (MNLN); GenBank accession number refers to sequence records in the nucleotide database of the National Center for Biotechnology Information of the USA National Library of Medicine (<https://www.ncbi.nlm.nih.gov/nucleotide/>). Basin codes: PSL = Paraíba do Sul; IBO = Itabapoana; BEN = Benevente; IPE = Itapemirim.

Species / Basin	Museum catalogue number	Voucher code	BOLD Sample ID	BOLD Process ID	COI GenBank number	CYTB GenBank number	RAG1 GenBank number
<i>Rineloricaria zawadzki</i> / PSL	MNRJ51656	MNTI13313	MNLN9289	MNRJ1343-23	PP131357	PZ471361	PZ471362
<i>Rineloricaria steindachneri</i> / PSL	MNRJ42476	MNTI9660	MNLN6223	MNRJ791-16	PP131355	PX636927	PX636951
<i>Rineloricaria steindachneri</i> / PSL	MNRJ54703	MNTI15796	MNLN9621	MNRJ1775-25	PX636903	PX636924	PX636948
<i>Rineloricaria steindachneri</i> / PSL	MNRJ54703	MNTI15797	MNLN9622	MNRJ1776-25	PX636910	PX636932	PX636956
<i>Rineloricaria steindachneri</i> / PSL	MNRJ54703	MNTI15798	MNLN9780	MNRJ1777-25	PX636896	PX636917	PX636950
<i>Rineloricaria steindachneri</i> / PSL	MNRJ54713	MNTI15802	MNLN9623	MNRJ1778-25	PX636904	PX636925	PX636949
<i>Rineloricaria steindachneri</i> / PSL	MNRJ54713	MNTI15803	MNLN9624	MNRJ1779-25	PX636899	PX636920	PX636944
<i>Rineloricaria steindachneri</i> / PSL	MNRJ54725	MNTI15810	MNLN9718	MNRJ1780-25	PX636897	PX636918	PX636942
<i>Rineloricaria capixaba</i> / IPE	MNRJ36652	MNTI3226	MNLN9341	MNRJ1781-25	PX636913	PX636935	PX636959
<i>Rineloricaria capixaba</i> / IBO	MNRJ54075	MNTI15486	MNLN9474	MNRJ1782-25	PX636900	PX636921	PX636945
<i>Rineloricaria capixaba</i> / IBO	MNRJ54075	MNTI15487	MNLN9475	MNRJ1783-25	PX636895	PX636916	PX636940
<i>Rineloricaria capixaba</i> / IBO	MNRJ54075	MNTI15488	MNLN9476	MNRJ1784-25	PX636898	PX636919	PX636943
<i>Rineloricaria capixaba</i> / IPE	MNRJ54102	MNTI15516	MNLN9477	MNRJ1785-25	PX636926	PX636926	PX636950
<i>Rineloricaria capixaba</i> / IPE	MNRJ54102	MNTI15517	MNLN9478	MNRJ1786-25	PX636907	PX636929	PX636953
<i>Rineloricaria capixaba</i> / IPE	MNRJ54152	MNTI15526	MNLN9479	MNRJ1787-25	PX636914	PX636936	PX636960
<i>Rineloricaria capixaba</i> / IPE	MNRJ54152	MNTI15527	MNLN9480	MNRJ1788-25	PX636915	PX636937	PX636961
<i>Rineloricaria capixaba</i> / IPE	MNRJ54158	MNTI15537	MNLN9425	MNRJ1789-25	PX636908	PX636930	PX636954
<i>Rineloricaria capixaba</i> / IPE	MNRJ54158	MNTI15538	MNLN9481	MNRJ1790-25	PX636911	PX636933	PX636957
<i>Rineloricaria capixaba</i> / IPE	MNRJ54158	MNTI15539	MNLN9482	MNRJ1791-25	PX636906	PX636928	PX636952
<i>Rineloricaria capixaba</i> / BEN	MNRJ54181	MNTI15553	MNLN9483	MNRJ1792-25	PX636902	PX636923	PX636947
<i>Rineloricaria capixaba</i> / BEN	MNRJ54181	MNTI15554	MNLN9484	MNRJ1793-25	PX636912	PX636934	PX636958
<i>Rineloricaria capixaba</i> / BEN	MNRJ54181	MNTI15552	MNLN9428	MNRJ1794-25	PX636901	PX636922	PX636946
<i>Rineloricaria capixaba</i> / IBO	MNRJ55819	MNTI16094	MNLN9779	MNRJ1795-25	PX636909	PX636931	PX636955



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