

TABLE S1 | Data of 223 sequences from Costa-Silva *et al.* (2015), and the ten sequences of *Rineloricaria nudipectoris* utilized in the present study. Institutional abbreviations follow Sabaj (2020).

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. cadeae</i>	LBP_901	7326	BRINE190-14	LBP_901_7326_Rineloricaria_cadeae
<i>R. lima</i>	LBP_4949	7930	BRINE081-14	LBP_4949_7930_Rineloricaria_lima
<i>R. lima</i>	LBP_802	7940	BRINE082-14	LBP_802_7940_Rineloricaria_lima
<i>R. aurata</i>	LBP_681	8022	BRINE167-14	LBP_681_8022_Rineloricaria_aurata
<i>R. jaraguensis</i>	LBP_728	8265	BRINE098-14	LBP_728_8265_Rineloricaria_jaraguensis
<i>Rineloricaria</i> sp. 2	LBP_728	8266	BRINE099-14	LBP_728_8266_Rineloricaria_sp_2
<i>R. jaraguensis</i>	LBP_730	8369	BRINE100-14	LBP_730_8369_Rineloricaria_jaraguensis
<i>R. kronei</i>	LBP_745	8412	BRINE191-14	LBP_745_8412_Rineloricaria_kronei
<i>R. kronei</i>	LBP_771	8535	BRINE101-14	LBP_771_8535_Rineloricaria_kronei
<i>R. kronei</i>	LBP_771	8536	BRINE102-14	LBP_771_8536_Rineloricaria_kronei
<i>R. kronei</i>	LBP_1248	11176	BRINE094-14	LBP_1248_11176_Rineloricaria_kronei
<i>R. lanceolata</i>	LBP_1557	11501	BRINE071-14	LBP_1557_11501_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_1557	11503	BRINE072-14	LBP_1557_11503_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_1557	11504	BRINE073-14	LBP_1557_11504_Rineloricaria_lanceolata
<i>R. osvaldoi</i>	LBP_1650	11818	BRINE074-14	LBP_1650_11818_Rineloricaria_osvaldoi
<i>R. osvaldoi</i>	LBP_1650	11819	BRINE075-14	LBP_1650_11819_Rineloricaria_osvaldoi
<i>R. heteroptera</i>	LBP_1731	12864	BRINE034-14	LBP_1731_12864_Rineloricaria_heteroptera
<i>R. heteroptera</i>	LBP_1731	12865	BRINE035-14	LBP_1731_12865_Rineloricaria_heteroptera
<i>R. heteroptera</i>	LBP_1731	12866	BRINE036-14	LBP_1731_12866_Rineloricaria_heteroptera
<i>R. cubataonis</i>	LBP_2036	13818	BRINE103-14	LBP_2036_13818_Rineloricaria_cubataonis
<i>R. kronei</i>	LBP_20288	13886	BRINE104-14	LBP_20288_13886_Rineloricaria_kronei
<i>R. langei</i>	LBP_2047	13959	BRINE105-14	LBP_2047_13959_Rineloricaria_langei
<i>R. langei</i>	LBP_2070	14396	BRINE106-14	LBP_2070_14396_Rineloricaria_langei
<i>R. langei</i>	LBP_2070	14397	BRINE107-14	LBP_2070_14397_Rineloricaria_langei
<i>R. langei</i>	LBP_2082	14424	BRINE108-14	LBP_2082_14424_Rineloricaria_langei
<i>R. langei</i>	LBP_2082	14425	BRINE109-14	LBP_2082_14425_Rineloricaria_langei
<i>R. langei</i>	LBP_2082	14426	BRINE110-14	LBP_2082_14426_Rineloricaria_langei
<i>R. langei</i>	LBP_2082	14427	BRINE111-14	LBP_2082_14427_Rineloricaria_langei
<i>R. lanceolata</i>	LBP_2433	16282	BRINE076-14	LBP_2433_16282_Rineloricaria_lanceolata
<i>R. uracantha</i>	LBP_2762	18551	BRINE021-14	LBP_2762_18551_Rineloricaria_uracantha
<i>R. uracantha</i>	LBP_2762	18552	BRINE022-14	LBP_2762_18552_Rineloricaria_uracantha



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. latirostris</i>	LBP_2949	19533	BRINE176-14	LBP_2949_19533_Rineloricaria_latirostris
<i>Rineloricaria</i> sp. 10	LBP_3262	20051	BRINE037-14	LBP_3262_20051_Rineloricaria_sp_10
<i>Rineloricaria</i> sp. 10	LBP_3262	20052	BRINE038-14	LBP_3262_20052_Rineloricaria_sp_10
<i>Rineloricaria</i> sp. 10	LBP_3273	20081	BRINE039-14	LBP_3273_20081_Rineloricaria_sp_10
<i>Rineloricaria</i> sp. 10	LBP_3273	20083	BRINE040-14	LBP_3273_20083_Rineloricaria_sp_10
<i>R. cadeae</i>	LBP_3336	20466	BRINE141-14	LBP_3336_20466_Rineloricaria_cadeae
<i>R. strigilata</i>	LBP_3384	21279	BRINE142-14	LBP_3384_21279_Rineloricaria_strigilata
<i>R. strigilata</i>	LBP_3384	21280	BRINE143-14	LBP_3384_21280_Rineloricaria_strigilata
<i>R. strigilata</i>	LBP_3384	21281	BRINE144-14	LBP_3384_21281_Rineloricaria_strigilata
<i>R. longicauda</i>	LBP_7564	21282	BRINE145-14	LBP_7564_21282_Rineloricaria_longicauda
<i>R. cadeae</i>	LBP_9159	21283	BRINE146-14	LBP_9159_21283_Rineloricaria_cadeae
<i>Rineloricaria</i> sp. 1	LBP_2128	21378	BRINE188-14	LBP_2128_21378_Rineloricaria_sp_1
<i>Rineloricaria</i> sp. 1	LBP_2134	21394	BRINE192-14	LBP_2134_21394_Rineloricaria_sp_1
<i>Rineloricaria</i> sp. 3	LBP_9162	21658	BRINE112-14	LBP_9162_21658_Rineloricaria_sp_3
<i>R. jaraguensis</i>	LBP_3633	21659	BRINE113-14	LBP_3633_21659_Rineloricaria_jaraguensis
<i>Rineloricaria</i> sp. 3	LBP_9162	21661	BRINE114-14	LBP_9162_21661_Rineloricaria_sp_3
<i>R. jaraguensis</i>	LBP_3633	21662	BRINE115-14	LBP_3633_21662_Rineloricaria_jaraguensis
<i>R. jaraguensis</i>	LBP_3633	21668	BRINE116-14	LBP_3633_21668_Rineloricaria_jaraguensis
<i>R. kronei</i>	LBP_3644	21692	BRINE194-14	LBP_3644_21692_Rineloricaria_kronei
<i>R. langei</i>	LBP_3657	21720	BRINE117-14	LBP_3657_21720_Rineloricaria_langei
<i>R. langei</i>	LBP_3657	21721	BRINE118-14	LBP_3657_21721_Rineloricaria_langei
<i>R. langei</i>	LBP_3657	21722	BRINE119-14	LBP_3657_21722_Rineloricaria_langei
<i>R. lanceolata</i>	LBP_4051	22930	BRINE041-14	LBP_4051_22930_Rineloricaria_lanceolata
<i>Rineloricaria</i> sp. 14	LBP_4085	23512	BRINE042-14	LBP_4085_23512_Rineloricaria_sp_14
<i>Rineloricaria</i> sp. 14	LBP_4085	23513	BRINE044-14	LBP_4085_23513_Rineloricaria_sp_14
<i>Rineloricaria</i> sp. 14	LBP_4085	23514	BRINE043-14	LBP_4085_23514_Rineloricaria_sp_14
<i>R. cf. formosa</i>	LBP_4343	24075	BRINE011-14	LBP_4343_24075_Rineloricaria_cf_formosa
<i>R. cf. formosa</i>	LBP_4343	24076	BRINE012-14	LBP_4343_24076_Rineloricaria_cf_formosa
<i>R. lanceolata</i>	LBP_4367	24133	BRINE013-14	LBP_4367_24133_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_4367	24134	BRINE014-14	LBP_4367_24134_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_4367	24135	BRINE015-14	LBP_4367_24135_Rineloricaria_lanceolata



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. lanceolata</i>	LBP_4367	24136	BRINE016-14	LBP_4367_24136_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_4367	24137	BRINE017-14	LBP_4367_24137_Rineloricaria_lanceolata
<i>Rineloricaria</i> sp. 13	LBP_4409	24247	BRINE023-14	LBP_4409_24247_Rineloricaria_sp_13
<i>Rineloricaria</i> sp. 13	LBP_4409	24248	BRINE024-14	LBP_4409_24248_Rineloricaria_sp_13
<i>R. cadeae</i>	LBP_4767	25561	BRINE195-14	LBP_4767_25561_Rineloricaria_cadeae
<i>Rineloricaria</i> sp. 13	LBP_4878	25653	BRINE025-14	LBP_4878_25653_Rineloricaria_sp_13
<i>Rineloricaria</i> sp. 13	LBP_4878	25654	BRINE026-14	LBP_4878_25654_Rineloricaria_sp_13
<i>R. parva</i>	LBP_5136	26249	BRINE196-14	LBP_5136_26249_Rineloricaria_parva
<i>Rineloricaria</i> sp. 9	LBP_5168	26332	BRINE177-14	LBP_5168_26332_Rineloricaria_sp_9
<i>Rineloricaria</i> sp. 9	LBP_5168	26333	BRINE178-14	LBP_5168_26333_Rineloricaria_sp_9
<i>R. lanceolata</i>	LBP_5708	27627	BRINE197-14	LBP_5708_27627_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_5708	27628	BRINE198-14	LBP_5708_27628_Rineloricaria_lanceolata
<i>R. zawadzki</i>	LBP_6444	29081	BRINE083-14	LBP_6444_29081_Rineloricaria_zawadzki
<i>R. zawadzki</i>	LBP_6465	29101	BRINE084-14	LBP_6465_29101_Rineloricaria_zawadzki
<i>R. zawadzki</i>	LBP_6459	29119	BRINE085-14	LBP_6459_29119_Rineloricaria_zawadzki
<i>R. zawadzki</i>	LBP_6459	29120	BRINE086-14	LBP_6459_29120_Rineloricaria_zawadzki
<i>R. lima</i>	LBP_6453	29139	BRINE087-14	LBP_6453_29139_Rineloricaria_lima
<i>R. lima</i>	LBP_6453	29140	BRINE088-14	LBP_6453_29140_Rineloricaria_lima
<i>R. lima</i>	LBP_6318	29377	BRINE089-14	LBP_6318_29377_Rineloricaria_lima
<i>R. rupestris</i>	LBP_6135	29526	BRINE018-14	LBP_6135_29526_Rineloricaria_rupestris
<i>R. pentamaculata</i>	LBP_6390	29768	BRINE184-14	LBP_6390_29768_Rineloricaria_pentamaculata
<i>R. pentamaculata</i>	LBP_6390	29769	BRINE185-14	LBP_6390_29769_Rineloricaria_pentamaculata
<i>R. pentamaculata</i>	LBP_6390	29770	BRINE186-14	LBP_6390_29770_Rineloricaria_pentamaculata
<i>R. pentamaculata</i>	LBP_6390	29772	BRINE187-14	LBP_6390_29772_Rineloricaria_pentamaculata
<i>R. lima</i>	LBP_6351	29876	BRINE090-14	LBP_6351_29876_Rineloricaria_lima
<i>R. langei</i>	LBP_6832	33083	BRINE095-14	LBP_6832_33083_Rineloricaria_langei
<i>R. langei</i>	LBP_6832	33084	BRINE096-14	LBP_6832_33084_Rineloricaria_langei
<i>R. langei</i>	LBP_6832	33085	BRINE097-14	LBP_6832_33085_Rineloricaria_langei
<i>R. heteroptera</i>	LBP_6939	33334	BRINE199-14	LBP_6939_33334_Rineloricaria_heteroptera
<i>R. heteroptera</i>	LBP_6948	33364	BRINE200-14	LBP_6948_33364_Rineloricaria_heteroptera
<i>R. heteroptera</i>	LBP_6948	33366	BRINE201-14	LBP_6948_33366_Rineloricaria_heteroptera



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. heteroptera</i>	LBP_6948	33368	BRINE202-14	LBP_6948_33368_Rineloricaria_heteroptera
<i>R. aff. fallax</i>	LBP_7048	34141	BRINE027-14	LBP_7048_34141_Rineloricaria_aff_fallax
<i>R. aff. fallax</i>	LBP_7048	34142	BRINE028-14	LBP_7048_34142_Rineloricaria_aff_fallax
<i>R. aff. fallax</i>	LBP_7048	34143	BRINE029-14	LBP_7048_34143_Rineloricaria_aff_fallax
<i>R. aff. fallax</i>	LBP_7048	34144	BRINE030-14	LBP_7048_34144_Rineloricaria_aff_fallax
<i>R. aff. fallax</i>	LBP_7048	34145	BRINE031-14	LBP_7048_34145_Rineloricaria_aff_fallax
<i>R. hasemani</i>	LBP_7061	34185	BRINE032-14	LBP_7061_34185_Rineloricaria_hasemani
<i>R. hasemani</i>	LBP_7061	34186	BRINE033-14	LBP_7061_34186_Rineloricaria_hasemani
<i>R. langei</i>	LBP_7157	34312	BRINE120-14	LBP_7157_34312_Rineloricaria_langei
<i>R. langei</i>	LBP_7157	34313	BRINE121-14	LBP_7157_34313_Rineloricaria_langei
<i>R. langei</i>	LBP_7157	34314	BRINE122-14	LBP_7157_34314_Rineloricaria_langei
<i>R. langei</i>	LBP_7157	34315	BRINE123-14	LBP_7157_34315_Rineloricaria_langei
<i>R. kronei</i>	LBP_7423	35704	BRINE203-14	LBP_7423_35704_Rineloricaria_kronei
<i>R. lima</i>	LBP_7591	36243	BRINE204-14	LBP_7591_36243_Rineloricaria_lima
<i>R. aurata</i>	LBP_9160	36244	BRINE168-14	LBP_9160_36244_Rineloricaria_aurata
<i>R. parva</i>	LBP_9160	36245	BRINE169-14	LBP_9160_36245_Rineloricaria_parva
<i>R. zawadzki</i>	LBP_7919	37164	BRINE205-14	LBP_7919_37164_Rineloricaria_zawadzki
<i>Rineloricaria</i> sp. 12	LBP_7949	37294	BRINE050-14	LBP_7949_37294_Rineloricaria_sp_12
<i>Rineloricaria</i> sp. 12	LBP_7965	37320	BRINE051-14	LBP_7965_37320_Rineloricaria_sp_12
<i>Rineloricaria</i> sp. 12	LBP_7965	37321	BRINE052-14	LBP_7965_37321_Rineloricaria_sp_12
<i>Rineloricaria</i> sp. 6	LBP_8283	37573	BRINE077-14	LBP_8283_37573_Rineloricaria_sp_6
<i>R. parva</i>	LBP_8471	38071	BRINE170-14	LBP_8471_38071_Rineloricaria_parva
<i>R. lanceolata</i>	LBP_8537	38076	BRINE171-14	LBP_8537_38076_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_8537	38077	BRINE172-14	LBP_8537_38077_Rineloricaria_lanceolata
<i>Rineloricaria</i> sp. 12	LBP_8617	38081	BRINE053-14	LBP_8617_38081_Rineloricaria_sp_12
<i>R. langei</i>	LBP_8222	38083	BRINE189-14	LBP_8222_38083_Rineloricaria_langei
<i>R. latirrostris</i>	LBP_19022	38088	BRINE179-14	LBP_19022_38088_Rineloricaria_latirrostris
<i>R. strigilata</i>	LBP_8941	41699	BRINE147-14	LBP_8941_41699_Rineloricaria_strigilata
<i>R. aequalicuspis</i>	LBP_8943	41701	BRINE158-14	LBP_8943_41701_Rineloricaria_aequalicuspis
<i>R. longicauda</i>	LBP_8944	41702	BRINE157-14	LBP_8944_41702_Rineloricaria_longicauda
<i>R. quadrensis</i>	LBP_8945	41703	BRINE159-14	LBP_8945_41703_Rineloricaria_quadrensis



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. cadeae</i>	LBP_8946	41704	BRINE148-14	LBP_8946_41704_Rineloricaria_cadeae
<i>R. microlepidogaster</i>	LBP_8947	41705	BRINE149-14	LBP_8947_41705_Rineloricaria_microlepidogaster
<i>R. microlepidogaster</i>	LBP_8948	41706	BRINE206-14	LBP_8948_41706_Rineloricaria_microlepidogaster
<i>R. malabarbai</i>	LBP_8950	41708	BRINE150-14	LBP_8950_41708_Rineloricaria_malabarbai
<i>R. lanceolata</i>	LBP_12199	41709	BRINE045-14	LBP_12199_41709_Rineloricaria_lanceolata
<i>R. aurata</i>	LBP_10615	41710	BRINE046-14	LBP_10615_41710_Rineloricaria_aurata
<i>R. aurata</i>	LBP_10564	41711	BRINE047-14	LBP_10564_41711_Rineloricaria_aurata
<i>R. morrowi</i>	LBP_10641	41712	BRINE048-14	LBP_10641_41712_Rineloricaria_morrowi
<i>R. morrowi</i>	LBP_10641	41713	BRINE049-14	LBP_10641_41713_Rineloricaria_morrowi
<i>Rineloricaria</i> sp. 15	LBP_11438	41715	BRINE001-14	LBP_11438_41715_Rineloricaria_sp_15
<i>R. lanceolata</i>	LBP_8498	41741	BRINE207-14	LBP_8498_41741_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_8498	41745	BRINE208-14	LBP_8498_41745_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_9073	42671	BRINE069-14	LBP_9073_42671_Rineloricaria_lanceolata
<i>R. phoxocephala</i>	LBP_9084	42686	BRINE070-14	LBP_9084_42686_Rineloricaria_phoxocephala
<i>Rineloricaria</i> sp. 7	LBP_9495	43536	BRINE078-14	LBP_9495_43536_Rineloricaria_sp_7
<i>Rineloricaria</i> sp. 7	LBP_9495	43538	BRINE079-14	LBP_9495_43538_Rineloricaria_sp_7
<i>Rineloricaria</i> sp. 7	LBP_9495	43539	BRINE080-14	LBP_9495_43539_Rineloricaria_sp_7
<i>R. caracasensis</i>	LBP_9986	43540	BRINE019-14	LBP_9986_43540_Rineloricaria_caracasensis
<i>R. caracasensis</i>	LBP_9986	43541	BRINE020-14	LBP_9986_43541_Rineloricaria_caracasensis
<i>R. parva</i>	LBP_9837	45335	BRINE209-14	LBP_9837_45335_Rineloricaria_parva
<i>R. lanceolata</i>	LBP_11173	47901	BRINE173-14	LBP_11173_47901_Rineloricaria_lanceolata
<i>R. lanceolata</i>	LBP_11173	47902	BRINE174-14	LBP_11173_47902_Rineloricaria_lanceolata
<i>R. aurata</i>	LBP_11176	47904	BRINE175-14	LBP_11176_47904_Rineloricaria_aurata
<i>R. aurata</i>	LBP_11174	47905	BRINE057-14	LBP_11174_47905_Rineloricaria_aurata
<i>R. aurata</i>	LBP_11175	47908	BRINE058-14	LBP_11175_47908_Rineloricaria_aurata
<i>R. cf. wolfei</i>	LBP_11177	47910	BRINE059-14	LBP_11177_47910_Rineloricaria_cf_wolfei
<i>R. lanceolata</i>	LBP_11178	47911	BRINE060-14	LBP_11178_47911_Rineloricaria_lanceolata
<i>R. cf. wolfei</i>	LBP_11181	47917	BRINE061-14	LBP_11181_47917_Rineloricaria_cf_wolfei_
<i>R. lanceolata</i>	LBP_11182	47918	BRINE068-14	LBP_11182_47918_Rineloricaria_lanceolata
<i>R. fallax</i>	LBP_11183	47923	BRINE062-14	LBP_11183_47923_Rineloricaria_fallax
<i>R. fallax</i>	LBP_11183	47924	BRINE063-14	LBP_11183_47924_Rineloricaria_fallax



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. cf. wolfei</i>	LBP_11184	47926	BRINE064-14	LBP_11184_47926_Rineloricaria_cf_wolfei
<i>R. phoxocephala</i>	LBP_11185	47927	BRINE065-14	LBP_11185_47927_Rineloricaria_phoxocephala
<i>R. fallax</i>	LBP_11187	47933	BRINE066-14	LBP_11187_47933_Rineloricaria_fallax
<i>R. cf. wolfei</i>	LBP_11188	47937	BRINE067-14	LBP_11188_47937_Rineloricaria_cf_wolfei
<i>R. lima</i>	LBP_10716	49671	BRINE091-14	LBP_10716_49671_Rineloricaria_lima
<i>R. pentamaculata</i>	LBP_11434	50969	BRINE180-14	LBP_11434_50969_Rineloricaria_pentamaculata
<i>R. pentamaculata</i>	LBP_11434	50970	BRINE181-14	LBP_11434_50970_Rineloricaria_pentamaculata
<i>R. pentamaculata</i>	LBP_11434	50971	BRINE182-14	LBP_11434_50971_Rineloricaria_pentamaculata
<i>R. pentamaculata</i>	LBP_11434	50972	BRINE183-14	LBP_11434_50972_Rineloricaria_pentamaculata
<i>R. zawadzki</i>	LBP_11400	51101	BRINE092-14	LBP_11400_51101_Rineloricaria_zawadzki
<i>R. zawadzki</i>	LBP_11400	51102	BRINE093-14	LBP_11400_51102_Rineloricaria_zawadzki
<i>R. maacki</i>	LBP_11402	51107	BRINE160-14	LBP_11402_51107_Rineloricaria_maacki
<i>R. maacki</i>	LBP_11403	51108	BRINE161-14	LBP_11403_51108_Rineloricaria_maacki
<i>R. langei</i>	LBP_11401	51111	BRINE162-14	LBP_11401_51111_Rineloricaria_langei
<i>R. langei</i>	LBP_11401	51112	BRINE163-14	LBP_11401_51112_Rineloricaria_langei
<i>R. langei</i>	LBP_11401	51113	BRINE164-14	LBP_11401_51113_Rineloricaria_langei
<i>R. langei</i>	LBP_11401	51114	BRINE165-14	LBP_11401_51114_Rineloricaria_langei
<i>R. langei</i>	LBP_11401	51115	BRINE166-14	LBP_11401_51115_Rineloricaria_langei
<i>R. tropeira</i>	LBP_11416	51116	BRINE125-14	LBP_11416_51116_Rineloricaria_tropeira
<i>Rineloricaria</i> sp. 5	LBP_11404	51121	BRINE126-14	LBP_11404_51121_Rineloricaria_sp_5
<i>R. anitae</i>	LBP_11409	51123	BRINE127-14	LBP_11409_51123_Rineloricaria_anitae
<i>R. anitae</i>	LBP_11410	51129	BRINE128-14	LBP_11410_51129_Rineloricaria_anitae
<i>R. anhuapitan</i>	LBP_11413	51131	BRINE129-14	LBP_11413_51131_Rineloricaria_anhuapitan
<i>R. capitonia</i>	LBP_11418	51132	BRINE130-14	LBP_11418_51132_Rineloricaria_capitonia
<i>R. capitonia</i>	LBP_11415	51136	BRINE131-14	LBP_11415_51136_Rineloricaria_capitonia
<i>Rineloricaria</i> sp. 5	LBP_11421	51141	BRINE132-14	LBP_11421_51141_Rineloricaria_sp_5
<i>R. reisi</i>	LBP_11422	51142	BRINE133-14	LBP_11422_51142_Rineloricaria_reisi
<i>R. reisi</i>	LBP_11432	51152	BRINE134-14	LBP_11432_51152_Rineloricaria_reisi
<i>Rineloricaria</i> sp. 5	LBP_11431	51153	BRINE135-14	LBP_11431_51153_Rineloricaria_sp_5
<i>R. zaina</i>	LBP_11412	51158	BRINE136-14	LBP_11412_51158_Rineloricaria_zaina
<i>R. anhuapitan</i>	LBP_11417	51163	BRINE137-14	LBP_11417_51163_Rineloricaria_anhuapitan



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. zaina</i>	LBP_11420	51169	BRINE138-14	LBP_11420_51169_Rineloricaria_zaina
<i>R. stellata</i>	LBP_11419	51170	BRINE139-14	LBP_11419_51170_Rineloricaria_stellata
<i>R. stellata</i>	LBP_11419	51172	BRINE140-14	LBP_11419_51172_Rineloricaria_stellata
<i>R. morrowi</i>	LBP_19024	52978	BRINE005-14	LBP_19024_52978_Rineloricaria_morrowi
<i>R. morrowi</i>	LBP_19024	52979	BRINE006-14	LBP_19024_52979_Rineloricaria_morrowi
<i>R. aurata</i>	LBP_19023	52987	BRINE003-14	LBP_19023_52987_Rineloricaria_aurata
<i>R. aurata</i>	LBP_19023	52988	BRINE004-14	LBP_19023_52988_Rineloricaria_aurata
<i>R. parva</i>	LBP_12964	55705	BRINE210-14	LBP_12964_55705_Rineloricaria_parva
<i>R. parva</i>	LBP_12964	55708	BRINE211-14	LBP_12964_55708_Rineloricaria_parva
<i>R. lanceolata</i>	LBP_13732	57003	BRINE054-14	LBP_13732_57003_Rineloricaria_lanceolata
<i>Rineloricaria</i> sp. 11	LBP_13874	57379	BRINE055-14	LBP_13874_57379_Rineloricaria_sp_11
<i>Rineloricaria</i> sp. 11	LBP_14125	59109	BRINE056-14	LBP_14125_59109_Rineloricaria_sp_11
<i>Rineloricaria</i> sp. 8	LBP_11721	59928	BRINE008-14	LBP_11721_59928_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11721	59929	BRINE009-14	LBP_11721_59929_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11721	59930	BRINE212-14	LBP_11721_59930_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11721	59931	BRINE213-14	LBP_11721_59931_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11741	59932	BRINE214-14	LBP_11741_59932_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11741	59994	BRINE215-14	LBP_11741_59994_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11741	59995	BRINE216-14	LBP_11741_59995_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11741	59996	BRINE217-14	LBP_11741_59996_Rineloricaria_sp_8
<i>Rineloricaria</i> sp. 8	LBP_11741	59997	BRINE218-14	LBP_11741_59997_Rineloricaria_sp_8
<i>R. aequalicuspis</i>	LBP_14482	60668	BRINE151-14	LBP_14482_60668_Rineloricaria_aequalicuspis
<i>R. aequalicuspis</i>	LBP_14482	60669	BRINE152-14	LBP_14482_60669_Rineloricaria_aequalicuspis
<i>R. longicauda</i>	LBP_14494	60699	BRINE153-14	LBP_14494_60699_Rineloricaria_longicauda
<i>R. longicauda</i>	LBP_14494	60700	BRINE154-14	LBP_14494_60700_Rineloricaria_longicauda
<i>R. baliola</i>	LBP_14684	61394	BRINE155-14	LBP_14684_61394_Rineloricaria_baliola
<i>R. baliola</i>	LBP_14684	61400	BRINE156-14	LBP_14684_61400_Rineloricaria_baliola
<i>R. platyura</i>	LBP_15771	62059	BRINE220-14	LBP_15771_62059_Rineloricaria_platyura
<i>R. platyura</i>	LBP_15771	62060	BRINE221-14	LBP_15771_62060_Rineloricaria_platyura
<i>R. platyura</i>	LBP_16632	62061	BRINE223-14	LBP_16632_62061_Rineloricaria_platyura
<i>R. platyura</i>	LBP_16638	67683	BRINE223-14	LBP_16638_67683_Rineloricaria_platyura



TABLE S1 | (Continued)

Specie ID	Collection Code	Voucher	BOLD Process ID	Sequence Name
<i>R. platyura</i>	LBP_16638	67694	BRINE224-14	LBP_16638_67694_Rineloricaria_platyura
<i>R. platyura</i>	LBP_16638	67695	BRINE225-14	LBP_16638_67695_Rineloricaria_platyura
<i>R. platyura</i>	LBP_16638	67696	BRINE226-14	LBP_16638_67696_Rineloricaria_platyura
<i>R. osvaldoi</i>	LBP_17150	68041	BRINE010-14	LBP_17150_68041_Rineloricaria_osvaldoi
<i>R. aurata</i>	LBP_19021	69945	BRINE002-14	LBP_19021_69945_Rineloricaria_aurata
<i>R. parva</i>	LBP_19025	69946	BRINE124-14	LBP_19025_69946_Rineloricaria_parva
<i>R. nudipectoris</i>	MNLM_6404	MNRJ_43426	MNRJ783-16	MNLM_6404_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_7884	MNRJ_42451	MNRJ1025-18	MNLM_7884_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_6416	MNRJ_43536	MNRJ787-16	MNLM_6416_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_6417	MNRJ_43536	MNRJ788-16	MNLM_6417_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_6418	MNRJ_43536	MNRJ789-16	MNLM_6418_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_6419	MNRJ_43536	MNRJ790-16	MNLM_6419_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_8195	MNRJ_50750	MNRJ1026-18	MNLM_8195_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_8219	MNRJ_50807	MNRJ1027-18	MNLM_8219_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_9287	MNRJ_51642	MNRJ1308-22	MNLM_9287_Rineloricaria_nudipectoris
<i>R. nudipectoris</i>	MNLM_9288	MNRJ_51642	MNRJ1309-22	MNLM_9288_Rineloricaria_nudipectoris

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Official Journal of the
Sociedade Brasileira de Ictiologia

HOW TO CITE THIS ARTICLE

- **Mejia E, Ferraro GA, Buckup PA.** A new species of *Rineloricaria* (Siluriformes: Loricariidae) from coastal drainages of Rio de Janeiro, southeastern Brazil. *Neotrop Ichthyol*. 2023; 21(1):e220083. <https://doi.org/10.1590/1982-0224-2022-0083>