

Table S1: Records of fish specimens listed for this study

Material examined

***Xenurolebias pataxo* - Bahia state**

Prado municipality

Rio Jucuruçu basin:

UFRJ 1921(1 Non Type -17.316112 -39.226667);
UFRJ 5288(4 Non Type -17.316112 -39.226667);
UFRJ 5815 (4 Non Type -17.316112 -39.226667);
UFRJ 6063 (21 Non Type -17.316112 -39.226667);
UFRJ 6354 (4 Non Type -17.316112 -39.226667);

Alcobaça municipality

Rio Itanhém basin:

UFRJ 4764 (7 Non Type -17.520278 -39.244445);

Caravelas municipality

Rio Peruípe basin:

MNRJ s/n (3 Non Type -17.66329 -39.24378);
UFRJ 250 (12 Non Type -17.668056 -39.251389);
LotP01(5 Returned to nature -17.66329 -39.24378);
LotP02(2 Returned to nature -17.66592 -39.25473);

Mucuri municipality

Rio Mucuri basin:

UFRJ 9732 (1 Holotype -18.071112 -39.543889);
UFRJ 249(20 Paratype -18.071112 -39.543889);
UFRJ 282(1 Paratype -18.071112 -39.543889);
UFRJ 3161(3 Paratype -18.071112 -39.543889);
UFRJ 6355(21 Paratype -18.071112 -39.543889);
UFRJ 6356(4 Paratype -18.071112 -39.543889);
UFRJ 8202(8 Paratype -18.071112 -39.543889);
MCZ 138936 (4 Non Type -18.071112 -39.543889);
MNRJ s/n (8 Non Type -18.06286 -39.56599);
UFRJ 377 (2 Non Type -18.071112 -39.543889);
UFRJ 4762(17 Non Type -18.049723 -39.585);
UFRJ 5814 (4 Non Type -18.049723 -39.585);
UMMZ 231549 (4 Non Type -18.071112 -39.543889);
LotP03(12 Returned to nature -18.06286 -39.56599);

***Xenulorebias myersi* - Espírito Santo state**

Conceição da Barra municipality

Riacho Doce basin:

MBML 14095(1 Non Type -18.350223 -39.682584);
MBML 14098(5 Non Type -18.350223 -39.682584);
MNRJ s/n(1 Non Type -18.350278 -39.6825);
UFRJ 8203(2 Non Type -18.347937 -39.670381);

Rio Itaúnas basin:

MNRJ 9849(1 Holotype -18.416667 -39.716667);
MNRJ 9850(1 Paratype -18.416667 -39.716667);
MNRJ 9851(53 Paratype -18.445792 -39.739032);
MBML 14087(3 Non Type -18.421112 -39.706667);

MBML 14088(1 Non Type -18.421112 -39.706667);
MBML 14094(1 Non Type -18.427917 -39.717973);
MBML 14096(2 Non Type -18.367334 -39.705389);
MBML 14097(2 Non Type -18.367334 -39.705389);
MBML 14099(2 Non Type -18.367334 -39.705389);
MNRJ 19553(7 Non Type -18.443634 -39.740833);
MNRJ 55443(2 Non Type -18.367223 -39.705278);
MNRJ 55444(1 Non Type -18.421112 -39.706667);
MNRJ 55445(1 Non Type -18.367223 -39.705278);
MNRJ 55446(1 Non Type -18.421112 -39.706667);
MNRJ 55447(2 Non Type -18.431667 -39.716112);
MNRJ 55448(2 Non Type -18.367223 -39.705278);
MNRJ 55449 (1 Non Type -18.370278 -39.709445);
UFRJ 4759(5 Non Type -18.404445 -39.699167);
UFRJ 4760(28 Non Type -18.404445 -39.699167);
UFRJ 5237(10 Non Type -18.445792 -39.739032);
UFRJ 6353(4 Non Type -18.404445 -39.699167);
UFRJ 8201(5 Non Type -18.445792 -39.739032);
UFRJ 8205(2 Non Type -18.411825 -39.701214);
UFRJ 8237(14 Non Type -18.445792 -39.739032);

***Xenulorebias cricarensis* –**

São Mateus municipality

Rio São Mateus basin:

UFRJ 9729(1 Holotype -18.566945 -39.743889);
UFRJ 4761(4 Paratype -18.566945 -39.743889);
UFRJ 5056(25 Paratype -18.566945 -39.743889);
UFRJ 5057(2 Paratype -18.566945 -39.743889);
UFRJ 5813(2 Paratype -18.566945 -39.743889);
UFRJ 8200(6 Paratype -18.566945 -39.743889);
UFRJ 9730(19 Paratype -18.566945 -39.743889);
MNRJ s/n(6 Non Type -18.565658 -39.742725);
MNRJ s/n(2 Non Type -18.56692 -39.743408);
UFRJ 5255(4 Non Type -18.566945 -39.743889);
UFRJ 5290(2 Non Type -18.566945 -39.743889);
UFRJ 6357(17 Non Type -18.566945 -39.743889);
LotC02(50 Returned to nature -18.566723 -39.743267);

***Xenurolebias tupinikin* –**

Aracruz municipality

Rio Riacho basin:

MNRJ 56004 (1 Holotype -19.73992 -40.04357);
MNRJ 56005 (9 Paratype -19.73992 -40.04357);
LotN01(20 Returned to nature -19.74039 -40.04452);
LotN02(43 Returned to nature -19.73992 -40.04357);
LotN03(2 Returned to nature -19.72192 -40.04032);

***Xenulorebias izecksohni* –**

Linhares municipality

Rio Barra Seca basin:

LotI01(8 Returned to nature -19.213461 -39.965479);
LotI02(15 Returned to nature -19.21216 -39.932619);
LotI03(2 Returned to nature -19.210931 -39.931403);
LotI04(25 Returned to nature -19.209238 -39.930337);
LotI05(2 Returned to nature -19.211664 -39.930922);
LotI06(3 Returned to nature -19.211253 -39.929131);
LotI07(5 Returned to nature -19.211109 -39.928911);
LotI08(20 Returned to nature -19.216639 -39.926121);
LotI09(35 Returned to nature -19.216904 -39.943015);
LotI10(10 Returned to nature -19.210565 -39.949127);
LotI11(3 Returned to nature -19.215894 -39.966614);
LotI12(50 Returned to nature -19.152803 -40.020544);
LotI18(5 Returned to nature -19.188602 -39.878788);
LotI19(35 Returned to nature -19.201206 -39.887668);
LotI20(57 Returned to nature -19.201582 -39.887916);
LotI21(69 Returned to nature -19.21088 -39.89382);
LotI22(10 Returned to nature -19.211026 -39.893992);
LotI23(8 Returned to nature -19.210674 -39.894031);
LotI24(9 Returned to nature -19.210536 -39.89401);
LotI25(10 Returned to nature -19.209732 -39.893769);
LotI26(16 Returned to nature -19.210078 -39.893602);
LotI27(26 Returned to nature -19.20635 -39.892001);
LotI28(5 Returned to nature -19.206694 -39.8915);
LotI29(4 Returned to nature -19.206245 -39.891082);
LotI30(13 Returned to nature -19.204391 -39.890873);
LotI31(5 Returned to nature -19.20401 -39.890826);
LotI32(20 Returned to nature -19.19749 -39.882632);
LotI33(27 Returned to nature -19.190585 -39.879012);
LotI34(7 Returned to nature -19.169497 -39.88683);
LotI35(5 Returned to nature -19.162451 -39.880804);
LotI36(27 Returned to nature -19.209546 -39.894449);
LotI37(18 Returned to nature -19.209181 -39.894262);
LotI38(6 Returned to nature -19.203454 -39.896689);
LotI39(58 Returned to nature -19.204659 -39.897435);

Rio Doce basin:

MNRJ 10613(1 Holotype -19.215 -39.965834);
MNRJ 10614(1 Paratype -19.215 -39.965834);
MNRJ 10615(2 Paratype -19.215 -39.965834);
MZUSP 14721(1 Paratype -19.215 -39.965834);
MZUSP 14722(1 Paratype -19.215 -39.965834);
MZUSP 14723(1 Paratype -19.215 -39.965834);
MZUSP 14724(1 Paratype -19.215 -39.965834);
MBML 14205(4 Non Type -19.296584 -39.959434);
MBML 14208(4 Non Type -19.317061 -39.976862);
UFRJ 5236(6 Non Type -19.215 -39.965834);

UFRJ 5812(5 Non Type -19.215 -39.965834);
UFRJ 8238 (6 Non Type -19.215 -39.965834);
UFRJ 8239(2 Non Type -19.215 -39.965834);
UFRJ 8204(4 Non Type -19.215 -39.965834);
LotI13(30 Returned to nature -19.131444 -39.930675);
LotI14(35 Returned to nature -19.132688 -39.929951);
LotI15(4 Returned to nature -19.133431 -39.9297);
LotI16(25 Returned to nature -19.275458 -39.925709);
LotI17(15 Returned to nature -19.240217 -39.912502);
LotI40(28 Returned to nature -19.296584 -39.959434);
LotI41(16 Returned to nature -19.295953 -39.959547);
LotI42(18 Returned to nature -19.319875 -39.966023);
LotI43(20 Returned to nature -19.294919 -39.959137);
LotI44(36 Returned to nature -19.294697 -39.958957);
LotI45(48 Returned to nature -19.294469 -39.958605);
LotI46(20 Returned to nature -19.293264 -39.958341);
LotI47(25 Returned to nature -19.291837 -39.95812);
LotI48(27 Returned to nature -19.30606 -39.994545);
LotI49(42 Returned to nature -19.305969 -39.994679);
LotI50(8 Returned to nature -19.294514 -39.999393);
LotI51(15 Returned to nature -19.293904 -39.958506);
LotI52(14 Returned to nature -19.29424 -39.958572);
LotI53(25 Returned to nature -19.317728 -39.983472);
LotI54(14 Returned to nature -19.317417 -39.983699);
LotI55(9 Returned to nature -19.317663 -39.983921);
LotI56(4 Returned to nature -19.318032 -39.983836);
LotI57(5 Returned to nature -19.317853 -39.983209);
LotI58(8 Returned to nature -19.317646 -39.983031);
LotI59(1 Returned to nature -19.31544 -39.981312);
LotI60(12 Returned to nature -19.317061 -39.976862);
LotI61(7 Returned to nature -19.318025 -39.975367);
LotI62(18 Returned to nature -19.31719 -39.974745);
LotI63(28 Returned to nature -19.317638 -39.969009);
LotI64(19 Returned to nature -19.296941 -39.959126);
LotI65(10 Returned to nature -19.317039 -39.95042);
LotI66(12 Returned to nature -19.316009 -39.951144);
LotI67(35 Returned to nature -19.296615 -39.959094);
LotI68(5 Returned to nature -19.29661 -39.95909);
LotI69(3 Returned to nature -19.292041 -39.950812);
LotI70(14 Returned to nature -19.317492 -39.968353);
LotI71(56 Returned to nature -19.318043 -39.967932);
LotI72(34 Returned to nature -19.370794 -40.007279);
LotI73(45 Returned to nature -19.370372 -40.007777);
LotI74(36 Returned to nature -19.362954 -40.006912);
LotI75(12 Returned to nature -19.363242 -40.006526);
LotI76(59 Returned to nature -19.363217 -40.00643);

LotI77(26 Returned to nature -19.363355 -40.006199);
LotI78(42 Returned to nature -19.363309 -40.00621);
LotI79(26 Returned to nature -19.363326 -40.006413);
LotI80(18 Returned to nature -19.363443 -40.007109);
LotI81(39 Returned to nature -19.363502 -40.007666);
LotI82(22 Returned to nature -19.363275 -40.007778);
LotI83(28 Returned to nature -19.364038 -40.008043);
LotI84(15 Returned to nature -19.363864 -40.006887);
LotI85(17 Returned to nature -19.36386 -40.00688);
LotI86(29 Returned to nature -19.36386 -40.00688);
LotI87(18 Returned to nature -19.373005 -40.005812);
LotI88(13 Returned to nature -19.373383 -40.005669);
LotI89(14 Returned to nature -19.363761 -40.004639);
LotI90(9 Returned to nature -19.364216 -40.004637);
LotI91(4 Returned to nature -19.368622 -39.996827);