**Supplemental Table A.** Taxa list, voucher information, and GenBank accession numbers of sequences analyzed in this study. Acronyms of institutions follow Sabaj (2020).

| **Terminal taxa** | **Voucher specimen** | **GenBank accession number** |
| --- | --- | --- |
| **OUTGROUP** |  |  |
| *Dasyloricaria* sp. | CIUA 6234 | PP409420 |
| *Farlowella amazonum* | LBP 26401 | GU701894.1\* |
| *Lamontichthys filamentosus* | LBP 4088-162 | MG777606.1\* |
| *Sturisomatichthys panamense* | STRI 3554 | MG937276.1\* |
| *Sturisomatichthys citurensis* | STRI 4132 | MG937279.1\* |
| **INGROUP** |  |  |
| *Rineloricaria eigenmanni* | MPUJ 16982 | PP409421 |
| *Rineloricaria eigenmanni* | MPUJ 16982-5053 | PP409422 |
| *Rineloricaria eigenmanni* | MPUJ 17119 | PP409423 |
| *Rineloricaria eigenmanni* | MPUJ 17231 | PP409424 |
| *Rineloricaria formosa* | CZUT-IC 22295 | PP409425 |
| *Rineloricaria formosa* | IAvH-P 23347 | PP409426 |
| *Rineloricaria jubata* | CIUA 7801 | PP409427 |
| *Rineloricaria jubata* | CZUT-IC 18279-2058 | PP409428 |
| *Rineloricaria jubata* | CZUT-IC 18279-2059 | PP409429 |
| *Rineloricaria jubata* | CZUT-IC 18368 | PP409430 |
| *Rineloricaria jubata* | CZUT-IC 21302-3876 | PP409431 |
| *Rineloricaria jubata* | CZUT-IC 21302-3878 | PP409432 |
| *Rineloricaria jubata* | CZUT-IC 21404 | PP409433 |
| *Rineloricaria jubata* | IMCN 9302-1 | PP409434 |
| *Rineloricaria jubata* | IMCN 9302-2 | PP409435 |
| *Rineloricaria jubata* | IMCN 9302-3 | PP409436 |
| *Rineloricaria jubata* | IMCN 9302-4 | PP409437 |
| *Rineloricaria jurupari* | MPUJ 12522 | PP409438 |
| *Rineloricaria magdalenae* | CIUA 7256 | PP409439 |
| *Rineloricaria magdalenae* | CIUA 7424 | PP409440 |
| *Rineloricaria magdalenae* | CIUA 7429 | PP409441 |
| *Rineloricaria magdalenae* | CIUA 7435 | PP409442 |
| *Rineloricaria magdalenae* | CIUA 7439 | PP409443 |
| *Rineloricaria magdalenae* | CIUA 7445 | PP409444 |
| *Rineloricaria magdalenae* | CIUA 7487 | PP409445 |
| *Rineloricaria magdalenae* | CIUA 7546 | PP409446 |
| *Rineloricaria magdalenae* | CIUA 7548 | PP409447 |
| *Rineloricaria magdalenae* | CIUA 7549 | PP409448 |
| *Rineloricaria magdalenae* | CIUA 7554A | PP409449 |
| *Rineloricaria magdalenae* | CIUA 7554B | PP409450 |
| *Rineloricaria magdalenae* | CIUA 7556 | PP409451 |
| *Rineloricaria magdalenae* | CIUA 7632 | PP409452 |
| *Rineloricaria magdalenae* | CIUA 7634A | PP409453 |
| *Rineloricaria magdalenae* | CIUA 7634B | PP409454 |
| *Rineloricaria magdalenae* | CZUT-IC 14040 | PP409455 |
| *Rineloricaria magdalenae* | CZUT-IC 14959 | PP409456 |
| *Rineloricaria magdalenae* | IAvH-P 20848 | PP409457 |
| *Rineloricaria magdalenae* | IAvH-P 23033 | PP409458 |
| *Rineloricaria magdalenae* | IAvH-P 23033 | PP409459 |
| *Rineloricaria rupestris* | CZUT-IC 19048-2720 | PP409460 |
| *Rineloricaria rupestris* | CZUT-IC 19048-2721 | PP409461 |
| *Rineloricaria atratoensis* | CIUA 4326 | PP409462 |
| *Rineloricaria atratoensis* | CIUA 4326B | PP409463 |
| *Rineloricaria atratoensis* | CIUA 4413 | PP409464 |
| *Rineloricaria atratoensis* | CIUA 4566A | PP409465 |
| *Rineloricaria atratoensis* | CIUA 4566C | PP409466 |
| *Rineloricaria atratoensis* | CIUA 4566D | PP409467 |
| *Rineloricaria atratoensis* | CIUA 4643 | PP409468 |
| *Rineloricaria giua* | CZUT-IC 14919 | PP409469 |
| *Rineloricaria giua* | CZUT-IC 17447 | PP409470 |

Accession numbers with an asterisk (\*) were obtained from previous records in GenBank. Unmarked accession numbers were generated in this study.