

TABLE S2 | Table of sequences obtained using the DNA mini-barcode of largehead hairtail *Trichiurus lepturus*. Sample ID and sequence length obtained in this study, comparison with database sequences genbank species (species identified using the BLAST tool) and percentage of identity.

| Sample ID | Sequence length | Genbank species | Genbank ID | Identity |
|-----------|-----------------|-----------------------------------|------------|---------------|
| 06163B | 180 | <i>Paralanchurus</i> sp. | JX124848.1 | 146/151(97%) |
| 06164A | 169 | <i>Paralanchurus brasiliensis</i> | JX124848.1 | 141/143(99%) |
| 06168A | 109 | <i>Pellona</i> sp. | KY402288.1 | 96/103(93%) |
| 061611A | 175 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061611B | 179 | <i>Paralanchurus</i> sp. | JX124856.1 | 144/148(97%) |
| 061611C | 181 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061612C | 178 | <i>Paralanchurus</i> sp. | JX124856.1 | 147/151(97%) |
| 061612D | 174 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061612E | 179 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061614B | 166 | <i>Pimelodus maculatus</i> | HM405190.1 | 138/139(99%) |
| 061614C | 170 | <i>Pimelodus maculatus</i> | HM405190.1 | 139/139(100%) |
| 061617A | 178 | <i>Pimelodus maculatus</i> | GU701570.1 | 149/151(99%) |
| 061621A | 179 | <i>Pimelodus maculatus</i> | GU701570.1 | 148/151(98%) |
| 061622B | 97 | <i>Pimelodus maculatus</i> | MF595253.1 | 94/96(98%) |
| 061623A | 177 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061623C | 178 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061624A | 179 | <i>Paralanchurus brasiliensis</i> | JX124856.1 | 148/151(98%) |
| 061627B | 179 | <i>Pimelodus maculatus</i> | GU701570.1 | 149/151(99%) |
| 061629B | 87 | <i>Pimelodus</i> sp. | MF595253.1 | 83/86(97%) |
| 061630A | 94 | <i>Pimelodus maculatus</i> | MF595253.1 | 90/92(98%) |
| 061631B | 207 | <i>Lycengraulis</i> sp. | KY402283.1 | 100/105(95%) |
| 071610A | 178 | <i>Pimelodus maculatus</i> | GU701570.1 | 149/151(99%) |
| 071611A | 74 | <i>Pimelodus</i> sp. | GU701570.1 | 71/73(97%) |
| 071623A | 179 | <i>Opisthonema oglinum</i> | MT455791.1 | 148/151(98%) |
| 071624A | 175 | <i>Pimelodus maculatus</i> | GU701570.1 | 149/151(99%) |
| 071624B | 179 | <i>Pimelodus maculatus</i> | GU701570.1 | 149/151(99%) |



TABLE S2 | (Continued)

| Sample ID | Sequence length | Genbank species | Genbank ID | Identity |
|-----------|-----------------|-------------------------------|------------|--------------|
| 08161A | 90 | <i>Pimelodus maculatus</i> | MF595253.1 | 88/90(98%) |
| 08161B | 249 | <i>Opisthonema</i> sp. | KY402282.1 | 111/115(97%) |
| 08163A | 93 | <i>Harengula</i> sp. | JQ365372.1 | 89/93(96%) |
| 08165A | 180 | <i>Opisthonema oglinum</i> | MT455791.1 | 148/151(98%) |
| 081611A | 107 | <i>Pimelodus</i> sp. | KX371345.1 | 82/87(94%) |
| 081611B | 174 | <i>Pimelodus maculatus</i> | GU701570.1 | 148/151(98%) |
| 081617A | 109 | <i>Harengula clupeiola</i> | JQ840529.1 | 62/62(100%) |
| 081617B | 102 | <i>Isopisthus parvipinnis</i> | HM424133.1 | 72/72(100%) |
| 081618A | 180 | <i>Opisthonema</i> sp. | MK871654.1 | 169/177(95%) |
| 081619B | 178 | <i>Sardinella</i> sp. | LN624536.1 | 151/178(90%) |
| 081626A | 112 | <i>Harengula clupeiola</i> | JQ365370.1 | 85/86(99%) |
| 091618A | 217 | <i>Opisthonema</i> sp. | KY402282.1 | 106/110(96%) |
| 091618B | 232 | <i>Opisthonema</i> sp. | MT455791.1 | 112/116(97%) |
| 091620A | 97 | <i>Opisthonema</i> sp. | MK871654.1 | 90/95(95%) |
| 091622A | 179 | <i>Sardinella</i> sp. | LN624536.1 | 151/178(90%) |
| 11161A | 114 | <i>Pellona harroweri</i> | JX124862.1 | 81/81(100%) |
| 11163A | 178 | <i>Pellona</i> sp. | JX124862.1 | 142/151(94%) |
| 11164B | 156 | <i>Pellona</i> sp. | KY402289.1 | 110/116(95%) |
| 11168A | 179 | <i>Harengula</i> sp. | JQ365370.1 | 147/151(97%) |
| 121629A | 179 | <i>Sardinella</i> sp. | MK871646.1 | 167/177(94%) |



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