**Table S1.** ANOVA depicting the morphometric characters that are significantly different among eight populations and three drainages. Only drainages or populations significantly different from one another are shown. Number of “\*” indicates *P* value1

|  |  |  |
| --- | --- | --- |
| Morphometric characters (Variables) | Among Drainages | Among Populations |
| *F*-value | *P*-value | Drainages | *F*-value | *P*-value | Populations |
| standard length (SL) (mm)  |  |  |  |  |  |  |
| In % SL  |  |  |  |  |  |  |
| Body depth (BD) | 9.1566 | 0.000244 \*\*\* | LCJ - JSJ\*NJ - LCJ\*\*\* | 13.152 | 2.772e-11\*\*\* | BT - ADQ\*\*\* BY - ADQ\*\*\* CD - ADQ \*\*NJ - ADQ\*\* YB - ADQ\*\*\* NJ - BT\*TTH - BT\*\*\* TTH - BY \*\* YB - TTH \*\*\* |
| Dorsal-fin length (DFL) | 2.9131 | 0.05956 | - | 15.822 | 5.023e-13 \*\*\* | BT - ADQ\*\* BY - ADQ\*\* CD - ADQ\*\*\*NJ - ADQ\*\*\* YB - ADQ\*\*\* NJ - BT\*NJ - BY\*\* GS - CD\* NJ - CD\*TTH - CD\* NJ - GS\*\*\* YB - GS \*TTH - NJ\*\*\* YB - NJ\*\* YB - TTH\*\* |
| Pelvic-fin length (VFL) | 2.7439 | 0.06983 | - | 6.8833 | 1.883e-06 \*\*\* | NJ - ADQ\*\*\* NJ - CD\*\*\* NJ - GS\*\*\*TTH - NJ\* YB - NJ\*\*\* |
| Pectoral-fin length (PFL) | 1.6186 | 0.204 | - | 17.777 | 3.321e-14 \*\*\* | NJ - ADQ\*\*\* TTH - ADQ\* YB - ADQ\*\*\*CD - BT\*\* YB - BT\* NJ - BY\*\*YB - BY\*\*\* NJ - CD\*\*\* TTH - CD\*\*\*YB - CD\*\*\* NJ - GS\*\* YB - GS\*\*TTH - NJ\* YB - TTH\*\*\* |
| Anal-fin length (AFL) | 2.7333 | 0.07053 | - | 8.6781 | 5.883e-08 \*\*\* | NJ - ADQ\*\*\* YB - ADQ\*\*\* NJ - CD\*\*NJ - GS\* TTH - NJ\*\*\* YB - TTH\*\* |
| Caudal-fin length (CFL) | 4.0834 | 0.02014 \* | LCJ - JSJ\* | 16.334 | 2.424e-13 \*\*\* | NJ - ADQ\*\*\* YB - ADQ \*\*\* NJ - BT\*\*NJ - BY\*\*\* YB - BY\*\* NJ - CD\*\*\*YB - CD\*\*\* NJ - GS\*\*\* YB - GS \*\*TTH - NJ \*\*\* YB - TTH \*\*\* |
| Predorsal length (PRL) | 7.8866 | 0.0007\*\*\* | NJ - JSJ\*NJ - LCJ\*\*\* | 3.6672 | 0.001691 \*\* | CD - ADQ\*\* NJ - CD\*\* |
| Postdorsal length (PDL) | 18.407 | 2.097e-07 \*\*\* | NJ - JSJ\*\*\*NJ - LCJ\*\*\* | 12.928 | 3.947e-11 \*\*\* | BT - ADQ\*\*\* BY - ADQ\* CD -ADQ\*\*\* GS - ADQ\*\*\* TTH -ADQ\*\*\* YB - ADQ\*\*\*NJ - BT\*\*\* NJ - CD\*\*\* NJ - GS\*\*\* TTH - NJ\*\* YB - NJ\*\*\* |
| Preanal length (PAL) | 11.232 | 4.525e-05 \*\*\* | LCJ - JSJ\*\*\*NJ - JSJ\*\*\* | 14.036 | 7.047e-12 \*\*\* | NJ - ADQ\*\*\* NJ - BT\*\*\* NJ - BY\*\*\* NJ - CD\*\*\* YB - BY\*\* NJ - GS\*\*\*YB - GS\*\* TTH - NJ\*\*\* YB - NJ\* YB - TTH\*\*\* |
| Prepelvic length (PVL)  | 5.3878 | 0.0062\*\* | LCJ - JSJ\*\* | 9.0516 | 2.948e-08 \*\*\* | GS - ADQ\* NJ - BT\*\*\* YB - BT\*\*\*  NJ - BY\*\* YB - BY\*\*\* YB - CD\*NJ - GS\*\*\* TTH - GS\* YB - GS\*\*\* |
| Prepectoral length (PPL) | 33.961 | 1.173e-11 \*\*\* | LCJ - JSJ \*\*\*NJ - JSJ\*\*\*NJ - LCJ\*\*\* | 19.561 | 3.208e-15 \*\*\* | NJ - ADQ\* YB - ADQ\*\*\* NJ - BT\* YB - BT\*\*\* NJ - BY\*\*\* YB - BY\*\*\*YB - CD\*\*\* NJ - GS\* YB - GS\*\*\* TTH - NJ\*\*\* YB - TTH\*\*\* |
| Caudal-peduncle length (CPL) | 4.5086 | 0.01367 \* | NJ - JSJ\* | 11.341 | 5.273e-10 \*\*\* | NJ - ADQ \*\*\* YB - ADQ\* CD - BT\* TTH - BT\* NJ - BY\* NJ - CD \*\*\*YB - CD \*\*\* NJ - GS \* TTH - NJ \*\*\* YB - TTH\*\*\* |
| Caudal-peduncle depth (CPD) | 19.259 | 1.155e-07 \*\*\* | LCJ - JSJ\*\*\*NJ - LCJ\*\*\* | 145.43 | 2.2e-16 \*\*\* | BT - ADQ\*\*\* BY - ADQ\*\*\* GS - ADQ\*\*\* NJ - ADQ\*\*\* TTH - ADQ\* YB - ADQ\*\*\*CD - BT\*\*\* NJ - BT\* TTH - BT\*\*\* YB - BT \*\*\* CD - BY \*\*\* NJ - BY\*\* TTH - BY\*\*\* YB - BY\*\*\* GS - CD\*\*\* NJ - CD\*\*\* YB - CD\*\*\* TTH - GS\*\*\*YB - GS\*\* TTH - NJ\*\*\* YB - NJ\*\*\* YB - TTH \*\*\* |
| Head length (HL) (mm)  | 20.119 | 6.378e-08 \*\*\* | LCJ - JSJ\*\*\*NJ - JSJ\*NJ - LCJ\*\* | 22.812 | < 2.2e-16 \*\*\* | NJ - ADQ\*\*\* YB - ADQ\*\*\* YB - BT\*\*\* NJ - BY\* YB - BY \*\*\* NJ - CD\*\*\*YB - CD \*\*\* TTH - NJ\*\*\* YB - TTH\*\*\* |
| In % HL  |  |  |  |  |  |  |
| Head depth (HD) | 4.828 | 0.01024 \* | LCJ - JSJ\*NJ - LCJ\* | 5.2737 | 5.193e-05 \*\*\* | TTH - BT\*\* TTH - BY\* YB - TTH\*\*\* |
| Head width (HW) | 11.044 | 5.257e-05 \*\*\* | NJ - JSJ\*NJ - LCJ\*\*\* | 9.3005 | 1.87e-08 \*\*\* | BT - ADQ\* BY - ADQ\* YB - ADQ\* NJ - BT\*\*\* TTH - BT\*\* NJ - BY\*\*\*TTH - BY\*\* NJ - CD\*\*\* TTH - CD\*  YB - NJ\*\*\* YB - TTH\*\*\* |
| Snout length (LS) | 1.0754 | 0.3456 | - | 3.3544 | 0.003375 \*\* | BT - ADQ\* YB - BT\*\* |
| Eye diameter (ED) | 5.3837 | 0.006226 \*\* | NJ - JSJ\*\*\* | 6.3682 | 5.33e-06 \*\*\* | BY - ADQ\*\* CD - ADQ\*\* NJ - BT\* NJ - BY\*\* YB - BY\*\* NJ - CD\*\*\*TTH - CD\* YB - CD\*\*\* |
| Interorbital width (IOW) | 2.8844 | 0.06119  | - | 6.8817 | 1.89e-06 \*\*\* | CD - BT\*\* GS - BT\*\* NJ - BT\* TTH - BT\* CD - BY\*\* GS - BY\*\*NJ - BY\* TTH - BY\* YB - CD\*\* YB - GS\* YB - NJ\* YB - TTH\* |
| Postorbital length (POL) | 11.225 | 4.55e-05 \*\*\* | NJ - JSJ\*NJ - LCJ\*\*\* | 7.1106 | 1.198e-06 \*\*\* | YB - ADQ\* YB - BT\*\* TTH - NJ\*\*\* YB - NJ \*\*\* |
| Inner rostral barbel length (IRBL) | 1.7979 | 0.1717 | - | 5.04 | 8.539e-05 \*\*\* | NJ - ADQ\*\*\* YB - ADQ\*\* NJ - BT\*\* TTH - NJ\* |
| Outer rostral barbel length (ORBL) | 35.228 | 8.934e-10 \*\*\* | LCJ - JSJ\*\*\*NJ - LCJ\*\*\* | 18.496 | 1.276e-14 \*\*\* | TTH - ADQ\* YB - ADQ\*\*\* YB - BT\* GS - BY\* NJ - BY\*\* TTH - BY\*\* GS - CD\* NJ - CD\* TTH - CD\* YB - CD\*\* YB - GS\*\*\* YB - NJ\*\*\*YB - TTH\*\*\* |
| Maxillary barbel length (MBL) | 32.993 | 5.771e-12 \*\*\* | LCJ - JSJ\*\*\*NJ - JSJ\*\*NJ - LCJ\*\*\* | 26.474 | 2.2e-16 \*\*\* | NJ - ADQ\*\* YB - ADQ\*\*\* NJ - BT\* YB - BT\*\*\* GS - BY\* NJ - BY\*\*\*NJ - CD\* YB - CD\*\*\* YB - GS\*\*\* TTH - NJ\*\*\* YB - NJ\*\*\* YB - TTH\*\*\* |
| vent-anal distance (VAD) | 1.0834 | 0.3429 | - | 1.6256 | 0.1395 | - |