**Phylogeography of the Mesa Silverside fish *Chirostoma jordani* Woolman, 1894 along the Mexican Plateau.**

Isaí Betancourt-Resendes, Rodolfo Pérez-Rodríguez, Kyle R. Piller, and Omar Domínguez-Domínguez

**Supplementary Table 1.** PCR conditions and best-fit model for each marker used.

Amplification process was conducted in a reaction of 25 µL, containing 50-100ng DNA, 2.5 mM of 1X buffer, 1.5 mM $MgCl_2$, 2.5 µM dNTP mix (µM 10), 10 pmol of each primer, 1 unit of Taq DNA polymerase (Invitrogen), and distilled water to bring the reaction volume to 25 µL.

| Locus | Primers | Denaturing | Cycles | Denaturing | Annealing | Extension | Final extension | Best-fit model |
|---|---|---|---|---|---|---|---|---|
| Cytochrome b (*cytb*) | Glud-G & H16460 | 94°C-2min | 35 | 94°C-45s | 48°C-1min | 72°C-1min | 72°C-5 min | TIM2+I |
| hypervariable control region (*dloop*) | RCA & RCE | 94°C-3min | 35 | 94°C-30s | 54-56°C-45s | 72°C-1min | 72°C-5 min | TIM2+G |
| first intron of ribosomal protein S7 (*S7*) | S7RPEX1F & S7RPEX1R | 94°C-1min | 35 | 94°C-30s | 56-58°C-45s | 72°C-45s | 72°C-5 min | GTR+G |

Primers sequence

*Cytochrome b*

Glud-G: 5'-TGACTTGAARAACCAYCGTTG-3'

H16460: 5'-CGAYCTTCGGATTAACAAGACCG-3'

*Hypervariable D-loop region*

RCA: 5'-TTCCACCTCTAACTCCCAAAGCTAG-3'

RCE: 5'-CCTGAAGTAGGAACCAGATG3'

*First intron of Ribosomal Protein S7*

S7RPEX1F: 5'-TGCCCTCTTCCTTGGCCGTC3'

S7RPEX1R: 5’-AACTCGTCTCGCTTTTCGCC-3’