



FIGURE S2 | Comparison of selected morphological characters among males of *Austrolebias accorsii* (left), *A. ayoreode* (center), and *A. vanderbergi* (right). Coloration in life: **A.** *A. accorsii*, MNKP 16552 (vertically flipped), topotype, 48.6 mm SL, Bolivia, Santa Cruz, Cordillera, Charagua Iyambae Guarani Autonomous Territory; **B.** *A. ayoreode*, MNKP 16612 (vertically flipped), holotype, 50.7 mm SL, Bolivia, Santa Cruz, Cordillera, Charagua Iyambae Guarani Autonomous Territory, Ñembi Guasu Conservation and Ecological Importance Area; **C.** *A. vanderbergi*, MACN 9701, Argentina, Salta, Padre Lozano, 17 Jan 2006, P. Calviño & F. Alonso (photo by Pablo Calviño). Coloration in alcohol: **D.** *A. accorsii*, MNKP 16552; **E.** *A. ayoreode*, MNKP 16612; **F.** *A. vanderbergi*, MNKP 3290, 74.9 mm SL, Bolivia, Santa Cruz, Cordillera, Hito IV. Detail of frontal head and upper snout: **G.** *A. accorsii*, MNKP 16552; **H.** *A. ayoreode*, MNKP 16612; **I.** *A. vanderbergi*, MNKP 3290. Pectoral fin: **J.** *A. accorsii*, MNKP 16552; **K.** *A. ayoreode*, MNKP 16612; **L.** *A. vanderbergi*, MNKP 3290. Pelvic fin: **M.** *A. accorsii*, MNKP 16552; **N.** *A. ayoreode*, MNKP 16612; **O.** *A. vanderbergi*, MNKP 3290. Urogenital papilla and anterior anal fin: **P.** *A. accorsii*, MNKP 16552; **Q.** *A. ayoreode*, MNKP 16612; **R.** *A. vanderbergi*, MNKP 3290.

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