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Reticulate evolution as a source of topological conflict and taxonomic complexity in hypostomine catfishes (Siluriformes: Loricariidae))

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2 MATERIALS AND METHODS

2.1 Phylogenomic dataset

Data using ultraconserved elements(UCEs)were generated by Roxo et al. (2019). We herein restricted the taxon sampling to the tribe Hypostomini and the Peckoltia clade, which have shown the most complex classification (Isbrücker, 2001; Armbruster, 2004, 2008; Lujan et al., 2015)

Taxon sampling

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Hypostomys cf. gymnorhynchus_LBP20516
Hypostomus sp._LBP13237
Hypostomus melanephelis_LBP12879
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Hypostomus strigaticeps_LBP14627
Hypostomus sp._LBP19476
Hemiancistrus cerrado_LBP17213
Hypostomus cf. hemicochliodon_LBP15866
Hypostomus sp._LBP10845
Hypostomus faveolus_LBP5711
Hemiancistrus fuliginosus_LBP14651
Hemiancistrus punctulatus_LBP14567
Pterygoplichthys anasitsi_LBP5183
Pterygoplichthys multiradiatus_LBP10313
Panaqolus gnomus_LBP14810
Panaqolus sp. n._LBP16286
Panaqolus sp._LBP14752
Peckoltia compta_LBP16287
Peckoltia braueri_LBP15368
Ancistomus snethlagae_LBP13755
Hypancistrus sp._LBP16288
Hypancistrus vandragti_AUM54408
Scobinancistrus aureatus_LBP16557
Aphanotorulus emarginatus_LBP3045
Spectracanthicus immaculatus_INPA43225
Spectracanthicus murinus_LBP13821
Baryancistrus beggini_AUM39227
Panaque cochliodon_LBP3033

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FUNDING

Details of all funding sources should be provided, including grant numbers if applicable. Please ensure to add all necessary funding information, as after publication this is no longer possible.

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SUPPLEMENTAL DATA

Supplementary Material should be uploaded separately on submission, if there are Supplementary Figures, please include the caption in the same file as the figure. LaTeX Supplementary Material templates can be found in the Frontiers LaTeX folder.

DATA AVAILABILITY STATEMENT

The datasets [GENERATED/ANALYZED] for this study can be found in the [NAME OF REPOSITORY] [LINK].

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