

TABLE S1 | Character state matrix and embedded tree in nexus (.nxs) format.

[CLICK HERE TO DOWNLOAD THE .NXS FILE](#)



This is an open access article under the terms of the Creative Commons Attribution License, which permits use, distribution and reproduction in any medium, provided the original work is properly cited.

Distributed under
Creative Commons **CC-BY** 4.0

© 2024 The Authors.
Diversity and Distributions Published by SBI



Official Journal of the
Sociedade Brasileira de Ictiologia

HOW TO CITE THIS ARTICLE

- **Armbruster JW, Lujan NK.** New tribe-level classification of Hypostominae (Loricariidae) based on optimization of morphological states on DNA-based relationships, with descriptions of three new tribes and two new genera. *Neotrop Ichthyol.* 2024; 22(4):e240108. <https://doi.org/10.1590/1982-0224-2024-0108>

