



**FIGURE S4** | Landmark mapping on Pseudopimelodidae phylogeny (Clade 2: Pseudopimelodinae). Inferred phylogeny and landmarks mapping on the head of Pseudopimelodinae (Clade 2: *Cruciglanis*, *Pseudopimelodus*, and *Rhyacoglanis*). The ancestral shape is indicated in grey dotted lines; reconstructed shape in red lines, blue lines showing the change in position of each landmark to the corresponding node in the ancestor. The ancestral configurations are also indicated on the nodes. In the box are enumerated landmarks on the enlarged image of *Ictalurus punctatus*.

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

© 2021 The Authors. Diversity and Distributions Published by SBI

#### HOW TO CITE THIS ARTICLE

- **Shibatta OA, Jarduli LR, Abrahão VP, Souza-Shibatta L.** Phylogeny of the Neotropical Pacman catfish genus *Lophiosilurus* (Siluriformes: Pseudopimelodidae). Neotrop Ichthyol. 2021; 19(4):e210040. <https://doi.org/10.1590/1982-0224-2021-0040>