

Redescription of *Hypostomus latirostris* (Regan, 1904) with the recognition of a new species of *Hypostomus* (Siluriformes: Loricariidae) from the upper rio Paraguay basin, Brazil

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Hypostomus latirostris was originally described by Regan (1904) from “River Jangada [= rio Jangada], Matto Grosso and Goyaz”; however, the species is rarely mentioned in taxonomic works on *Hypostomus* from Paraguay. Herein, the two syntypes of *Plecostomus latirostris* were examined showing critical differences between them. After the analysis of a large sample of recently collected specimens from the upper rio Paraguay basin we concluded that the two syntypes from the rio Jangada indeed belong to different species. *Hypostomus latirostris* is redescribed and a lectotype is designated herein. The other syntype (now a paralectotype of *H. latirostris*) is designated as paratype of *Hypostomus renestoi*, new species. *Hypostomus renestoi* can be differentiated from *H. latirostris* by having robust teeth (vs. slender); by having 28–77 teeth on the premaxilla (vs. 79–111) and 25–64 on the dentary (vs. 79–109); by having small and more conspicuous dark spots (vs. larger and less conspicuous dark spots); by having dorsal and mid-dorsal series of plates with moderate hypertrophied odontodes (vs. lacking hypertrophied odontodes on lateral series of plates); and usually by attaining a smaller size.

Introduction

The Neotropical catfish family Loricariidae is the fifth most species-rich vertebrate family on Earth, with about a thousand of valid species and the Hypostominae is its most species-rich, geographically widespread, and ecomorphologically diverse subfamily (Lujan et al., 2015). Harboring about 475 valid species and 40 genera the Hypostominae

(Eschmeyer et al., 2018) is a group of primarily herbivorous and detritivorous catfishes restricted to the freshwaters of tropical Central and South America (Silva et al., 2016).

Hypostomus is the most diverse genus of the Hypostominae, currently having about 135 species (Zawadzki et al., 2016). Since the nineteenth century, species of the genus have been described from the rio Paraguay basin. Kner (1854) described

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