

## *Hypostomus bimbai* and *H. pastinhai*, two new depth-sheltered species of *Hypostomus* (Teleostei: Loricariidae) from the lower Rio São Francisco basin, Brazil

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Two undescribed and comparatively large species of the armored catfish genus *Hypostomus* were found in a recent field survey in a deep stretch canyon at the lower portion of the Rio São Francisco basin, in Bahia State, Brazil. One of these species is characterized by its few and sharp yellow dots over body and fins, its small mouth bearing few teeth and, the angled dentaries. The second species has remarkably short dorsal, pectoral, and pelvic fins and dark dots on body and fins. Both species are depth sheltered fishes with somewhat barrel shape and are formally described here.

### Introduction

*Hypostomus* is widely distributed in Central and South America and with more than 140 valid species it is the most species-rich genus of the Hypostominae (Zawadzki et al., 2017). Silva et al. (2016) stated that just after colonizing the Río de La Plata basin *Hypostomus* radiated apparently due to the lack of most of the Amazonian competitors in this new habitat. Some of these species of *Hypostomus* inhabiting the Río de La Plata basin reached the Rio São Francisco basin about 6 mya (Montoya-Burgos, 2003). However, contrary to the Río de La Plata basin, from where the evidence of such radiation has been documented, the diversity

of *Hypostomus* in the Rio São Francisco basin is rather poorly known as there are only a few papers on this topic (e.g. Zawadzki et al., 2017, 2019a).

*Hypostomus* is distributed in South America from the Río Térraba basin in Costa Rica to the Río Salado basin in Argentina (Cardoso et al., 2019) inhabiting diverse ecosystems, small lakes and small streams to large running rivers, with most species detritivorous (Villares-Junior et al., 2016). Lorscheider et al. (2015) arranged the species of *Hypostomus* in accordance with three patterns of occurrence: (1) resident species with preferential distribution in headwater streams; (2) resident and non-migratory species, but widely spread in different environments (from headwater streams

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