



A new species of *Nemuroglanis* (Siluriformes: Heptapteridae) from the rio Guariba, rio Madeira basin, Brazil

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Abstract

Nemuroglanis furcatus is described from streams of the rio Guariba, a clear water tributary of the rio Aripuanã, rio Madeira basin in Brazil. *Nemuroglanis furcatus* can be distinguished from its congeners by the possession of a long lateral line, reaching the middle portion of the adipose-fin base; a narrow posterior cranial fontanel (16 to 27% of its length); and the anterior border of pectoral bridge with a pointed contour. The plesiomorphic state of some of the synapomorphies for *Nemuroglanis* in *N. furcatus* suggests that this species might be the sister-group to the remaining species of the genus. A key for all four valid species of *Nemuroglanis* species is provided.

Key words: taxonomy, South America, small catfish, Amazon fish

Resumo

Nemuroglanis furcatus é descrita de igarapés do rio Guariba, um tributário de água clara do rio Aripuanã, bacia do rio Madeira no Brasil. *Nemuroglanis furcatus* difere de seus congêneres pela presença de uma longa linha lateral, alcançando porções medianas da base da nadadeira adiposa; fontanela craniana posterior estreita (16 a 27% de seu comprimento); e margem anterior da cintura escapular com contorno pontudo. A ausência de algumas das sinapomorfias de *Nemuroglanis* em *N. furcatus* sugere que esta espécie possa ser o grupo irmão das demais espécies do gênero. É apresentada uma chave para as todas as quatro espécies válidas de *Nemuroglanis*.

Palavras-chave: taxonomy, small catfishes, Amazon fishes, Neotropical fishes

Introduction

Nemuroglanis Eigenmann and Eigenmann is a monophyletic group of heptapterid catfishes represented by small species, not reaching 47 mm SL (Bockmann and Ferraris, 2005). Currently, the genus includes three valid species: *N. lanceolatus* Eigenmann and Eigenmann, 1889, *N. mariaei* Schultz, 1944 and *N. pauciradiatus* Ferraris, 1988. They are distributed throughout the trans-Andean drainages in rio Orinoco system in Colombia, upper course of rio Negro system in Brazil and Venezuela, and upper tributaries of rio Amazonas system in Brazil, Ecuador, and Peru (Bockmann and Ferraris, 2005).

The rio Guariba, a clear water tributary of the rio Aripuanã, rio Madeira basin, has part of its drainage bounded by a mix of different protected areas in the State of Amazonas forming what is called the Mosaic of Apuí. The Mosaic is located south of the State of Amazonas between Apuí and Novo Aripuanã municipalities and is comprised of tropical rainforest and natural savanna-like Cerrado biomes.

Recent fieldwork in streams of the rio Guariba yielded several specimens of an undescribed species of *Nemuroglanis*, which is described herein.