



A new species of *Scinax* Wagler (Anura: Hylidae) from Cerrado of Brazil

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Abstract

A new species of *Scinax* of central Brazil, closer to the *Scinax maracaya* (Cardoso & Sazima), from the Cerrado biome (open formations) is described. This new species is characterized by the following combination of traits: moderate size (males 28.4–30.8 mm snout vent length); presence of several flash orange-yellowish transversal stripes on thigh; vocal sac well developed; snout acuminate in profile; advertisement call with one note, 4–15 pulses, and dominant frequency 2.93–3.27 kHz. Description of the advertisement call and comments on natural history and habitat are provided.

Key words: Hylinae, *Scinax maracaya*, *Scinax tigrinus*, Cerrado

Introduction

The hylid frog genus *Scinax* Wagler currently includes 98 recognized species distributed from southern Mexico to east and central Argentina (Frost 2010). Faivovich *et al.* (2005) reviewed the systematic of hylid frogs and defined two major clades: the *Scinax catharinae* clade and the *Scinax ruber* clade. The *S. ruber* clade, in turn, contains the *S. rostrus* and *S. uruguayus* species groups, with many species unassigned to any species group.

Currently, 14 species of the *S. ruber* species group belonging *S. ruber* clade, except by *S. rostratus* and *S. uruguayus* species groups (sensu Faivovich *et al.* 2005) are recorded from the Cerrado–Caatinga–Chaco region (South American open formations; see Duellman 1999): *S. acuminatus* (Cope), *S. cabralensis* Drummond, Baêta & Pires, *S. camposseabrai* (Bokermann), *S. curicica* Pugliese, Pombal & Sazima, *S. eurydice* (Bokermann), *S. fuscomarginatus* (A. Lutz), *S. fuscovarius* (A. Lutz), *S. maracaya* (Cardoso & Sazima), *S. nasicus* (Cope), *S. pachycrus* (Miranda-Ribeiro), *S. parkeri* (Gäige), *S. rogerioi* Pugliese, Baêta & Pombal, *S. squalirostris* (A. Lutz), and *S. x-signatus* (Spix).

The goal of this paper is to describe a new species from the Cerrado biome (Brazilian savanna; see Oliveira & Marquis 2002), which is closely related to *Scinax maracaya*. We also provide the spectral and temporal descriptions of the advertisement call and comments on the natural history and habitat.

Materials and methods

We compared the new species with the species of the *Scinax ruber* species group (sensu Pombal *et al.* 1995a) recorded from Cerrado–Caatinga–Chaco region (see Duellman 1999). We do not compare the new species with *Scinax x-signatus* for the reasons explained in Pombal *et al.* (1995a) and Pugliese *et al.* (2009).

The museum acronyms of specimens examined are AL-MN (Coleção Adolpho Lutz, housed at Museu Nacional, Rio de Janeiro, RJ, Brazil), MACN (Museo Argentino de Ciencias Naturales “Bernardino