



A new species of *Leptodactylus* (Anura: Leptodactylidae) from the Atlantic Forest of São Paulo State, Brazil

BIANCA VON MÜLLER BERNECK¹, CAROLINA ORTIZ ROCHA DA COSTA² &
PAULO CHRISTIANO DE ANCHIETTA GARCIA³

¹Museu de História Natural Capão da Imbuia. Lab. Herpetologia. R. Benedito Conceição, 407 Curitiba, PR, Brazil 82810-080.
E-mail: bvberneck@gmail.com

²R. Álvares Vasconcelos, 104, Pirituba, São Paulo, SP, Brazil, 05173-080

³Museu de Zoologia da Universidade de São Paulo, Av. Nazaré, 481, Ipiranga, São Paulo, SP, Brazil 04263-000

Abstract

A new species of *Leptodactylus* from Bertioga municipality, São Paulo State, Brazil is described. *Leptodactylus ajurauna* **sp. nov.** differs from others species in the *L. marmoratus* group by its dark brown throat and the advertisement call. The taxonomy of other species in the group and the status of the population of *Leptodactylus marmoratus* sympatric with the new species are discussed. The advertisement call is also described.

Key words: *L. marmoratus* group, *Leptodactylus ajurauna* **sp. nov.**, Brazil

Resumo

Uma nova espécie de *Leptodactylus* do grupo *marmoratus* de Bertioga, São Paulo, Brasil é descrita, bem como seu canto de anúncio. *Leptodactylus ajurauna* **sp. nov.** difere das outras espécies do grupo de *L. marmoratus* por apresentar a região gular com numerosos pigmentos marrom escuro, pelo seu porte mais robusto e pelo seu canto. A taxonomia do grupo *L. marmoratus* e o status da população de *Leptodactylus marmoratus* simpátrica à nova espécie são discutidos.

Palavras-chave: grupo *L. marmoratus*, *Leptodactylus ajurauna* **sp. nov.**, São Paulo

Introduction

The genus *Adenomera* Steindachner, 1867 was recognized by Heyer (1974) based on their reproductive mode (eggs in underground chambers) and morphological data. Although Frost *et al.* (2006) mentioned that their sample was not dense enough to test the parphyly of *Leptodactylus* with respect to *Adenomera* (only one species was sampled), they placed *Adenomera* within the genus *Leptodactylus*. Some authors continues recognizing *Adenomera* as a valid genus (Kwet 2007; Ponssa & Heyer 2007) while others have been using the *Leptodactylus marmoratus* species group *sensu* Heyer, 1973 (Almeida & Angulo 2006, Angulo & Reichle 2008).

Twelve species are currently recognized in *Leptodactylus marmoratus* group, five of them are from Atlantic Forest of southern and southeastern Brazil: *Leptodactylus marmoratus* (Steindachner), *Leptodactylus nanus* Müller, *Leptodactylus bokermanni* Heyer, *Leptodactylus araucaria* (Kwet and Angulo), and *Leptodactylus thomei* Almeida and Angulo. However, many species are undescribed or are under a general name (Kwet & Angulo 2002; Kokubum & Giaretta 2005; Almeida & Angulo 2006; Kwet 2007; Angulo & Reichle 2008).