



Article

A new species of *Adelophryne* Hoogmoed and Lescure 1984 (Amphibia: Anura: Eleutherodactylidae) from the Atlantic rainforest of southern Bahia, Brazil

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Abstract

We describe a new species of *Adelophryne* for the municipalities of Ilhéus, Itacaré and Una, Bahia state, Brazil (type locality: Reserva Particular do Patrimônio Natural Nova Angélica, municipality of Una, state of Bahia, Brazil, 15°15'03.2" S, 39°04'51.0" W, 79 m elevation). This new species is characterized by having small size, anal flap, and pointed tips of all fingers. The advertisement call consists of a single note with average duration of 29.5 ms (22–34 ms). The new species was found under dense leaf litter in primary and disturbed ombrofilous Atlantic rainforest, but in lower abundance in the latter and exclusively in shaded areas.

Key words: Taxonomy, Atlantic rainforest, Advertisement call, Morphology, Natural history

Resumo

Descrevemos uma nova espécie de *Adelophryne* para os municípios de Ilhéus, Itacaré e Una, no estado da Bahia, Brasil (localidade tipo: Reserva Particular do Patrimônio Natural Nova Angélica, Una, Bahia, Brasil, 15°15'03.2" S, 39°04'51.0" W, 79 m acima do nível do mar). A nova espécie é caracterizada principalmente por apresentar pequeno tamanho, flap anal e por apresentar todos os dedos das mãos com terminais pontiagudas. O canto de anúncio consiste de uma nota simples com duração média de 29.5 ms (22–34 ms). A espécie ocorre em áreas primárias e secundárias (nestas em baixa abundância e somente em áreas sombreadas) de floresta ombrófila da mata Atlântica sob a serapilheira densa no chão das matas.

Palavra-chave: Taxonomia, Floresta Atlântica, Canto de anúncio, Morfologia, História natural

Introduction

The Neotropical genus *Adelophryne* Hoogmoed and Lescure 1984, includes six leaf litter species (Hedges *et al.* 2008): *A. adiaistola* Hoogmoed and Lescure 1984, *A. baturitensis* Hoogmoed, Borges and Cascon 1994, *A. gutturosa* Hoogmoed and Lescure 1984, *A. maranguapensis* Hoogmoed, Borges and Cascon 1994, *A. pachydactyla* Hoogmoed, Borges and Cascon 1994, and *A. patamona* MacCulloch *et al.* 2008. The genus has been allocated to the family Eleutherodactylidae by Hedges *et al.* 2008, in the subfamily Physelaphryninae, which includes only one other monotypic genus, *Physelaphryne* Heyer 1977. The genus *Adelophryne* is distributed discontinuously in the east, north and northeast of Brazil, Guyana, Venezuela and the upper Amazon Basin region (Hedges *et al.* 2008).

Rodriguez and Duellman (1994) indicate that the species *A. adiaistola* lives inside primary forests, Kok and Kalamandeen (2008) found the species *A. gutturosa* exclusively in primary forests and recent studies in the Atlantic forest of Bahia state, show that species of the genus *Adelophryne* are sensitive to anthropogenic