



Two new species of *Prochas* Walkley from Brazil (Hymenoptera, Ichneumonidae, Campopleginae)

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Abstract

Two new species of the monotypic genus *Prochas* Walkley from Brazil, *P. brasiliensis* sp. nov. and *P. shimborii* sp. nov., are described and illustrated. A key to species is also provided.

Key words: Insecta, wasp, Neotropical region, parasitoid, taxonomy

Introduction

The monotypic genus *Prochas* Walkley was described from a single species, *P. theclae* Walkley 1959 (*in* Short 1959), reared from the gossamer-winged butterfly *Ostrinotes empusa* (Hewitson 1867) (Lycaenidae) on cacao cultivars in Trinidad (Short 1959). Since the original description, few specimens of the genus have been reported in Peru and Brazil (Kumagai & Graf 2000; Berrío & Bustamante 2014). Herein, we describe two new species and an illustrated key to all *Prochas* species is also provided.

The specimens match the generic diagnosis well and are characterized by not having the inner margin of eye strongly indented opposite to antennal socket, fully areolated propodeum, fore wing with areolet absent, hind basitarsus without a median ventral row of hairs, and occipital carina complete, joining hypostomal carina in the base of mandible (Short 1959; Townes 1970).

Material and methods

The holotype of *P. theclae* was examined at U.S. National Entomological Collection. Images of the new species were obtained using a Leica M205C stereomicroscope attached to a Leica DFC 295 video camera with images combined using Leica LAS (Leica Application Suite V3.7.0) Microsystems by Leica Limited (Switzerland), and a Quanta 250 Scanning Electron Microscope (FEI) in a low vacuum mode. Distribution maps were generated with Quantum GIS software.

General terminology follows Gauld (1991). Type material is deposited in the Departamento de Ecologia e Biologia Evolutiva da Universidade Federal de São Carlos, São Carlos, SP, Brazil (DCBU) and Museu de Zoologia da Universidade de São Paulo, São Paulo, SP, Brazil (MZUSP).

Taxonomy

Prochas brasiliensis Onody & Penteado-Dias, sp. nov.

(Figures 1–4)

Description. *Female holotype* (Fig. 1). Fore wing length 4.2 mm.