

A new subspecies of *Pseudodoliops elegans* (Heller, 1916) (Coleoptera: Cerambycidae) from Mindanao island, Philippines

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Pseudodoliops elegans apoensis sp. n. from the Mindanao island (Philippines) is described and illustrated. An updated check-list of the genus *Pseudodoliops* Schultzze, 1934 is proposed. The genus *Pseudodoliops* in the world fauna is now represented by eight species.

Key words: long-horn beetles, Lamiinae, Pteropliini, taxonomy, *Pseudodoliops*, Philippines, Mindanao

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INTRODUCTION

The genus *Pseudodoliops* Schultzze, 1934 (Coleoptera: Cerambycidae) belongs to Pteropliini Thomson, 1861, insufficiently studied tribe of the subfamily Lamiinae Latreille, 1825. In recent years, some genera of this tribe are intensively studied: *Callimetopus* Blanchard, 1853 (Barševskis 2015a, 2015b, 2015c, 2016a, 2016b, 2018c, 2018d; Vives 2015a), *Acronia* Westwood, 1863 (Barševskis 2016c, 2016d, 2017), *Mimacronia* Vives, 2009 (Barševskis 2015d; Vives 2015a), *Synixais* Aurivillius, 1911 (Vives 2015a; Barševskis 2018). The genus *Pseudodoliops* is not an exception: four species and one subspecies have been described (Vives 2011, 2012a, 2012b, 2015b; Barševskis 2018b). Recently, Barševskis (2018a) provided faunistic data of species of *Pseudodoliops*, which are deposited

in DUBC. In the present time this genus is presented in the world fauna by eight species: seven species are distributed in Philippines Archipelago, and one in Mollucas (Indonesia).

Currently, *Pseudodoliops elegans* (Heller, 1916) (Coleoptera: Cerambycidae) has three described subspecies: *P. elegans elegans* (Heller, 1916) from Dapitan, Zamboanga del Norte (Mindanao) and Basilan, *P. elegans schwarzeri* Schultzze, 1934 from Zamboanga (Mindanao), and *P. elegans zamboanganus* Vives, 2015 from Zamboanga del Norte, Gutalac, Mindanao (Vives 2015b). In this present study, a fourth, new subspecies of *P. elegans* from Bukidnon, Mt. Apo (Mindanao) is described, and compared with related subspecies.

MATERIAL AND METHODS

In this article used following abbreviations of museums and private collection:

DUBC - Daugavpils University Coleopterological Research Center, Ilgas, Daugavpils Distr., Latvia;

EVC - Eduard Vives Private Collection, Terrassa, Barcelona, Spain;

NKME - Naturkunde Museum Erfurt, Erfurt, Germany;

SNSD - Senckenberg Naturhistorische Sammlungen Dresden, Dresden, Germany;

USNM - National Museum of Natural History (Smithsonian), USA

The holotype and paratypes are deposited in DUBC. All specimens have been collected in the Philippines by local collectors. The laboratory research and measurements have been performed using Nikon AZ100, Nikon SMZ745T and Zeiss Stereo Lumar V12 digital stereomicroscopes, NIS-Elements 6D software, and Canon 60D and Canon 1Ds Mark II cameras.

RESULTS

Pseudodoliops eleagns apoensis ssp. n.
(Fig. 1)

Typematerial. Holotype: Female: PHILIPPINES: Mindanao Isl., Bukidnon, Mt. Apo, 03.2019. Local collector leg. [handwritten on white label]; HOLOTYPE: / *Pseudodoliops eleagns apoensis* ssp. n., / A. Barševskis descr. 2019 [handwritten on red label].

Paratypes: Male and female. PHILIPPINES: Mindanao Isl., Bukidnon, Mt. Apo, 04.2019. Local collector leg. [handwritten on white label]; PARATYPE: / *Pseudodoliops eleagns apoensis* ssp. n., / A. Barševskis descr. 2019 [handwritten on red label].

General distribution: Philippines; Mindanao island.

Description. Body length: 9.8 - 10.8 mm, body width: 4.1 - 4.3 mm. Dorsal surface of body black, with spots and bands of white and pink pubescence.

Head quadrangular, flattened, narrower than pronotum, with sparse punctures and fine dark pubescence on dorsal surface. Widened antennomeres with punctures forming thin wrinkles. Middle portion of head with elongate, wide band of pink pubescence. Eyes not extended, bilobate, flattened. Cheeks narrow, not extended, mostly covered by dense, pink pubescence. Clypeus dark-brown, narrow, shiny, covered by golden setae along apical margin. Labrum dark-brown, with dark pubescence. Mandibles massive, shiny, with acute apices, latero-basal portions of each mandible with golden pubescence and several dark setae. Maxillar and mandibular palpi dark, with yellow - brown apex. Antennae slender, relatively short, with black antennomeres. Antennomeres with fine dark pubescence, basal portion of antennomere 4 with dense, white pubescence, antennomeres 3 - 5 with long lateral setae.

Pronotum subcylindrical, transverse, basal and apical parts of pronotum emarginated with two thin, transverse, slightly curved lines. Portion of pronotum between apical and basal lines with coarse punctures. Lateral sides of pronotum rounded, without visible angles. Dorsal side of pronotum partly with fine, sparse, dark pubescence. Pronotum wider than head, and narrower than elytra. Sides of pronotum with two wide, circle-shaped spots composed of dense, pink pubescence, with small basal spot of dense pink pubescence on dorsal surface.

Legs black, covered with black pubescence and many long setae. Tarsomeres with dense, black pubescence and setae, and with row of golden lateral setae.

Scutellum rounded apically, with dense pink tomentum. *Pars stridens* not visible under basal margin of pronotum.



Fig. 1. Holotype of *Pseudodoliops elegans apoensis* ssp. n.

Elytra elongated, black, with light bronze luster and with wide white transverse band in basal third portion, with dense, white pubescence. Dorsal surface of elytra with coarse, dense punctures, distinctly coarser in basal portion of elytra. Lateral sides of elytra slightly curved.

Underside of body with white pubescence.

Differential diagnosis. Based on the shape and proportions of the body, the new subspecies is similar to *P. elegans schwarzeri* Schultze, 1934 (Fig. 2), but differs from it by the

following characters: 1) only basal third of elytra with transverse white band, while elytra of *P. elegans schwarzeri* with two transverse white bands: one in basal third, and second in apical third; 2) a new subspecies having black legs, where as legs of *P. elegans schwarzeri* are red; 3) head and pronotum of a new subspecies with spots and bands of pink tomentum, while that in *P. elegans schwarzeri* are white.

Etymology. Toponymic. The name of species is derived from the name of mountain, where type specimens were collected.



Fig. 2. *Pseudodoliops elegans schwarzeri* Schultze, 1934

**A CATALOGUE OF GENUS
PSEUDODOLIOPS OF WORLD FAUNA**

***Pseudodoliops bicolor* (Vives, 2012)**

Hemidoliops bicolor Vives: 2012a: 77
Pseudodoliops bicolor: Vives 2015b: 66

Distribution: Philippines, Samar Isl.

Type deposited: EVC

***Pseudodoliops cagayanus* (Vives, 2012)**

Hemidoliops cagayanus Vives: 2012b: 44
Pseudodoliops cagayanus: Vives 2015b: 67
Pseudodoliops cagayanus: Barševskis 2018a: 191

Distribution: Philippines, Luzon Isl.

Type deposited: EVC

***Pseudodoliops elegans apoensis* Barševskis, ssp. n.**

Pseudodoliops elegans apoensis Barševskis, 2019

Distribution: Philippines, Mindanao Isl.

Type deposited: DUBC

***Pseudodoliops elegans elegans* (Heller, 1916)**

Diatylus elegans Heller: 1916: 310
Pseudodoliops elegans: Breuning 1961: 238
Pseudodoliops elegans: Vives 2015b: 68

Distribution: Philippines, Mindanao Isl., Basilan Isl.

Type deposited: SMTD

***Pseudodoliops elegans schwarzeri* Schultze, 1934**

Pseudodoliops schwarzeri Schultze: 1934: 315
Pseudodoliops elegans schwarzeri: Breuning 1961: 238

Pseudodoliops elegans schwarzeri: Vives 2015b: 68

Pseudodoliops elegans schwarzeri: Barševskis 2018a: 191

Distribution: Philippines, Mindanao Isl.

Type deposited: SMTD

***Pseudodoliops elegans zamboanganus* Vives, 2015b**

Pseudodoliops elegans zamboanganus Vives 2015b: 69

Pseudodoliops elegans zamboanganus: Barševskis 2018a: 191

Distribution: Philippines, Mindanao Isl.

Type deposited: EVC

***Pseudodoliops griseus* Breuning, 1938**

Pseudodoliops griseus Breuning: 1938: 237

Pseudodoliops griseus: Vives 2014: 46

Pseudodoliops griseus: Vives 2015b: 70

Pseudodoliops griseus: Barševskis 2018a: 191

Pseudodoliops griseus: Barševskis 2018b: 283

Distribution: Philippines, Luzon Isl.

Type deposited: ? (probably lost during World War II, Museum Hamburg (Tavakilian, 2019))

***Pseudodoliops ilocanus* Vives, 2011**

Pseudodoliops ilocanus Vives 2011: 17

Pseudodoliops ilocanus: Vives 2015b: 70

Pseudodoliops ilocanus: Barševskis 2018a: 192

Distribution: Philippines, Luzon Isl.

Type deposited: EVC

***Pseudodoliops rufipes* (Aurivillius, 1927)**

Doliops rufipes Aurivillius 1927: 564

Doliops rufipes: Breuning, 1960: 169

Hemidoliops rufipes: Vives 2012a: 77

Pseudodoliops griseus: Vives 2015b: 71

Distribution: Philippines, Samar Isl.

Type deposited: USNM

***Pseudodoliops weigeli* Vives, 2015**

Pseudodoliops weigeli Vives 2015b: 71

Distribution: Indonesia, Morotai Isl.

Type deposited: NKME

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