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New species of *Fannia* Robineau-Desvoidy (Diptera: Fanniidae) from Colombia

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Abstract

Fannia Robineau-Desvoidy is a genus of calyptrate Diptera that comprises 89 Neotropical species, of which only 23 occur in Colombia. Based on male characters (including terminalia), two new species from the Department of Antioquia (*Fannia colazorrensis* **sp. nov.** and *Fannia laclara* **sp. nov.**) are described. Illustrations of the male are presented.

Key words: *Fannia colazorrensis* **sp. nov.**, *Fannia laclara* **sp. nov.**, Neotropical Region, Colombia

Resumen

Fannia Robineau-Desvoidy es un género de dípteros caliptrados con 89 especies en la Región Neotropical, 23 de las cuales se encuentran en Colombia. Con base en caracteres masculinos (incluidos los de la terminalia), dos nuevas especies del departamento de Antioquia son descritas: *Fannia colazorrensis* **sp. nov.** y *Fannia laclara* **sp. nov.** Se presentan ilustraciones del macho.

Palabras clave: *Fannia colazorrensis* **sp. nov.**, *Fannia laclara* **sp. nov.**, Región Neotropical, Colombia

Introduction

Fanniidae are a small family of calyptrate Diptera widespread around the world. The species are grouped in four genera (Grisales *et al.* 2012). However, the Neotropical fauna comprises only two genera: *Euryomma* Stein, 1899, and *Fannia* Robineau-Desvoidy, 1830 (Carvalho *et al.* 2003). *Fannia* is the most diverse, with around 280 known species, and represented in Colombia by 23 species (Grisales *et al.* 2012). *Fannia* has forensic importance because some species are attracted to decomposed animal material (Carvalho *et al.* 2003; Carvalho *et al.* 2000; Domínguez & Aballay 2008; Aballay *et al.* 2012; Grisales *et al.* 2012; Vasconcelos & Araujo 2012). The aim of this paper is to describe and illustrate two new species of *Fannia* from Colombia.

Material and methods

The specimens were collected in the Department of Antioquia, in four localities: municipality of Medellín with two localities: “Cola del Zorro” (6°12'19"N 75°32'43"W, 1943 m), and “Pajarito” (6°17'10"N 75°36'43"W, 1929 m); municipality of Caldas, “La Clara” (6°03'06"N 75°37'19"W, 1840 m), and municipality of Copacabana, “Ankon” (6°22'7"N 75°29'22"W, 1417 m). All specimens were captured using Van Someren-Rydon traps baited with a mix of decomposed chicken viscera and fish heads.

Morphological terms follow McAlpine (1981) and Stuckenberg (1999). The terminalia were obtained by detaching the abdomen from the body and cleared in cold 10 % KOH at room temperature for 1-2 days, followed by neutralization in acetic acid, dehydration in alcohol and washing in distilled water. Dissected terminalia were

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