



A new genus and two new species of Pachygastrinae from the Oriental region (Diptera: Stratiomyidae)

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Abstract

A new genus and two species, *Nasimyia* **gen. nov.**, *N. megacephala* **sp. nov.** and *N. nigripennis* **sp. nov.** (Diptera: Stratiomyidae, Pachygastrinae) from Yunnan Province, China, are described and illustrated. Relationships of the new genus are briefly discussed. A key to the known Oriental genera of Pachygastrinae with elongate, slender abdomen is presented.

Key words: Diptera, Stratiomyidae, Pachygastrinae, *Nasimyia*, new genus, new species, China

Introduction

Pachygastrinae are the most diverse subfamily of soldier flies (Diptera: Stratiomyidae). According to a recent catalogue by Woodley (2001) 176 genera and 561 species are known in the world and 36 genera and 102 species were recorded from the Oriental Region. Since that time an additional 12 Oriental Pachygastrinae have been described (Rozkošný & Kovac 2007, 2008; Rozkošný & Kozánek 2007). A modern monograph of the Oriental Pachygastrinae is still missing, the last being by Brunetti (1923) who published a key to 26 Oriental genera in his “Second revision of the Oriental Stratiomyidae”. However, some characters he used were relatively vague and numerous more recently known genera were not included. The new genus described here is apparently related to several genera with unusually long antennae consisting of eight cylindrical flagellomeres in addition to the two basal segments (*Parastratiosphecomyia* Brunetti, 1923; *Pseudomeristomerinx* Hollis, 1963 and *Stratiosphecomyia* Brunetti, 1913b). Nevertheless, it differs from all the known Oriental Pachygastrinae by having the face produced into a conspicuous nose-like projection in both sexes.

Material and methods

Specimens examined were collected in Yunnan Province, southwest China. All specimens were sampled by the first author and Bin Li, and are deposited in the Institute of Entomology, Guizhou University, Guiyang, Guizhou Province, P. R. China (GUGC). Morphological terminology follows Merz & Haenni (2000).

Nasimyia **gen. nov.**

Type species: *Nasimyia megacephala* **sp. nov.**, by present designation.

Diagnosis. This genus can be easily separated from other Oriental pachygastrines by the face with a conical (nose-like) median protuberance. The antenna is about 2.5 times longer than the head, the flagellum consists