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**Systematic revision and phylogeny of the endemic southeastern
Asian *Pristaulacus comptipennis* species group
(Hymenoptera: Aulacidae)**

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Abstract

The endemic southeastern Asiatic *Pristaulacus comptipennis* species group is revised and illustrated. Twenty species are recognized: *P. asiaticus* Turrisi & Smith, **sp. nov.** (China), *P. boninensis* Konishi (Japan), *P. comptipennis* Enderlein (Japan, China, Taiwan, Laos), *P. corellianus* Turrisi & Smith, **sp. nov.** (Laos), *P. dilleri* Turrisi & Smith, **sp. nov.** (Laos), *P. emarginaticeps* Turner (Vietnam), *P. excisus* Turner (Vietnam), *P. gusenleitneri* Turrisi & Smith, **sp. nov.** (Thailand), *P. insularis* Konishi (Japan, South Korea), *P. jenningsi* Turrisi & Smith, **sp. nov.** (Laos), *P. konishii* Turrisi & Smith, **sp. nov.** (Thailand), *P. lagrecai* Turrisi & Smith, **sp. nov.** (Vietnam), *P. nobilei* Turrisi & Smith, **sp. nov.** (China), *P. porcatus* Sun & Sheng (China), *P. sharkeyi* Turrisi & Smith, **sp. nov.** (Thailand), *P. thailandensis* Turrisi & Smith, **sp. nov.** (Thailand), *P. vietnamensis* Turrisi & Smith, **sp. nov.** (Vietnam, Thailand), *P. vilhelmseni* Turrisi & Smith, **sp. nov.** (Laos), *P. vivaldianus* Turrisi & Smith, **sp. nov.** (Laos), *P. watanabei* Turrisi & Smith, **sp. nov.** (Thailand). Phylogenetic analyses are based on a previous set of 79 morphological characters. Of this data set, 28 informative including five newly added characters were analysed using TNT under different schemes (equal and implied weighting). All analyses support two large clades, the first with five species, and a more derived and diverse one containing 15 species. Other minor clades are identified and discussed. A key for identification of the species is provided.

Key words: Evanioidea, new species, southeastern Asia, systematic revision, phylogeny, biogeography

Introduction

Aulacidae comprises 228 extant species belonging to two genera (Turrisi *et al.* 2009): *Aulacus* Jurine 1807, with 76 species and *Pristaulacus* Kieffer 1900 (including the former *Panaulix* Benoit 1984), with 152 species. Both genera are represented in all zoogeographic regions, except Antarctica and *Aulacus* not known from Afrotropics (Kieffer