

## Two new *Tachygonidius* species from the Atlantic coast of Brazil (Coleoptera: Curculionidae)

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### Abstract

Two species of *Tachygonidius* are described from the Atlantic coast of Brazil: *T. fluminensis* sp. nov. (type locality: Restinga da Marambaia, Rio de Janeiro) and *T. paulensis* sp. nov. (type locality: Boa Esperança do Sul, São Paulo). The former species develops as a leaf miner in a species of Ochnaceae. Sexual dimorphism related to the form of the declivous portion of pygidium, deeper in male and less deep in female, is reported for the first time in *T. fluminensis*. A key for the four known species of *Tachygonidius* is provided.

**Key words:** Brazil, leaf miner, *Tachygonidius fluminensis* sp. nov., *Tachygonidius paulensis* sp. nov., weevil

In August of 2005, we were asked by Dr. Ricardo Ferreira Monteiro (Universidade Federal do Rio de Janeiro) to determine the species of adult tachygonine weevils reared from leaf miner larvae developing in leaves of a species of Ochnaceae. Two species of *Tachygonus* and one of *Tachygonidius* were recognized in the sample. A search in the weevil collection of the Museu de Zoologia, Universidade de São Paulo, resulted in two additional specimens of the same species of *Tachygonidius*, material sent also by Dr. Monteiro for identification in 1992, and a third specimen representing a second new species of the same genus.

The genus *Tachygonidius* (type species *Tachygonus phalangium* Chevrolat, 1844, by original designation) was proposed by Champion (1907: 138) to include two species, *T. phalangium* (Chevrolat, 1844) from Cayenne, French Guiana, and *T. dasypus* Champion, 1907 from Tolé, the easternmost district of Chiriquí Province, Panama (O'Brien & Wibmer, 1982; Wibmer & O'Brien, 1986; Alonso-Zarazaga & Lyal, 1999). *Tachygonidius* is very similar to the more speciose genus *Tachygonus* Schoenherr, 1833 (type species *Tachygonus lecontei* Gyllenhal, 1833, by original designation) but the former differs chiefly by the 6-segmented antennal funicle (7-segmented in *Tachygonus*) and the posterior tarsi enveloped in a dense brush of long hairs (shorter hairs in *Tachygonus*). The two previously described and the two new species of *Tachygonidius* share the posterior tibiae elongate-triangular, but this condition is also present in some species of *Tachygonus*.

### *Tachygonidius fluminensis*, sp. nov. (Figs. 1–6, 8–11)

Type series: Holotype male (dissected, right posterior leg missing) “Restinga da Barra de Maricá, Maricá, RJ, Brasil; Data: 1995; Coletor: Ricardo Monteiro”. Paratypes: same data, 1 female; same locality and collector,