



First record of *Allaeotes niger* He, Zhang & Pelsue (Coleoptera, Dryophthoridae, Stromboscerinae) from Japan

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Abstract *Allaeotes niger* He, Zhang & Pelsue, 2003 is recorded from Japan for the first time as the first representative of the genus, based on specimens collected from Miyako-jima Island, the Ryukyus. Habitus and diagnostic images and figures are provided.

The dryophthorid subfamily Stromboscerinae comprises small, strongly sculptured, slow-moving weevils that typically inhabit the forest litter in South and Southeast Asia, Japan, and Madagascar. The 13 extant genera are currently assigned to the subfamily (Grebennikov, 2018). *Allaeotes* Pascoe, 1885 is one of the smallest genera, containing only two known species: the type species, *A. griseus* Pascoe, 1885 from Ambon, Indonesia, and the second species, *A. niger* He, Zhang & Pelsue, 2003 from southeastern China. This genus is characterized by the following features: antennal club obliquely truncate, the tomentose apical surface flat; eyes contiguous beneath; and antennal funicle with 6 segments (Morimoto, 1978).

In our surveys conducted in the Miyako Islands, the Ryukyus, Japan, the second author collected an unknown stromboscerine weevil under the bark of a fallen pine tree, *Pinus luchuensis*. After close examination, the weevil was identified as *A. niger*.

In this paper, we will record this species from Japan for the first time as the first representative of the genus *Allaeotes*.

Specimens are deposited in the Laboratory of Entomology, Tokyo University of Agriculture, Atsugi.

Genus *Allaeotes* Pascoe, 1885

Allaeotes Pascoe, 1885: 312 (type species: *A. griseus* Pascoe, 1885; Cossoninae); Csiki, 1936: 115 (Cossoninae, Cossonini, Pentarthri; cataloged); Morimoto, 1978: 104 (Rhynchophoridae, Dryophthorinae, Stromboscerini; in key); Alonso-Zarazaga & Lyal, 1999: 68 (Dryophthoridae, Stromboscerinae; cataloged); Lyal, 2011: 192 (Dryophthoridae, Stromboscerinae; cataloged); Alonso-Zarazaga *et al.*, 2017: 244 (Curculionidae, Dryophthorinae, Stromboscerini; cataloged); Grebennikov, 2018: 126 (reviewed and figured).

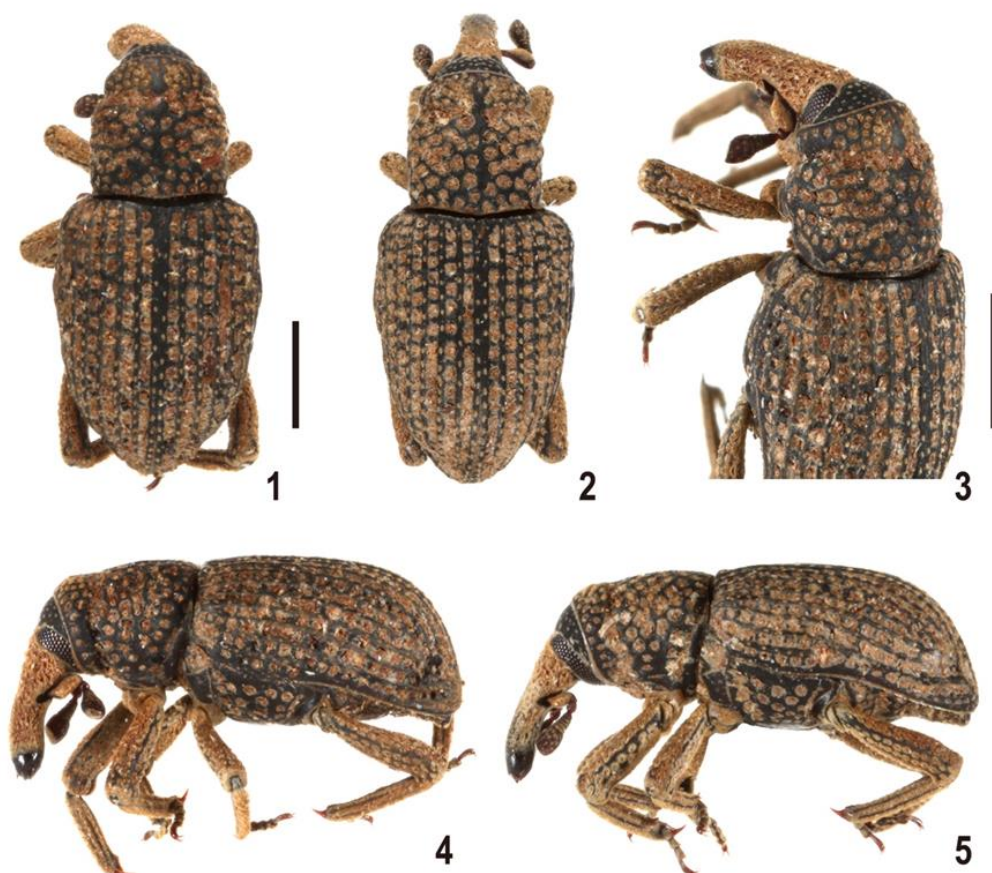
Allaeotes niger He, Zhang & Pelsue, 2003 (Figs. 1-9)

Allaeotes niger He, Zhang & Pelsue, 2003: 127 (type locality: "Mt. Jiulianshan, Longnan Country, Jiangxi Province, China"); Lyal, 2011: 192 (cataloged); Alonso-Zarazaga *et al.*, 2017: 244 (cataloged).

Additional description. Length: 3.00-4.20 mm. Prothorax 1.05-1.10 times as long as broad. Elytra 1.30-1.35 times as long as broad, with 9th and 10th intervals weakly projected laterally at basal 1/4, where elytra are broadest. Fully winged. Internal sac of aedeagus spinulate.

Specimens examined. 1 male & 3 females, Ôno-sanrin, Miyako-jima Is., 20.VIII.2011, Y. Fujisawa.

Distribution. Japan (Ryukyus: Miyako-jima Is.)-new record; China (Jiangxi, Zhejiang, Fujian and Guangdong provinces).



Figs. 1-5. Habitus images of *Allaeotes niger* from Miyako-jima Is., the Ryukyus, Japan. 1, Male, dorsal; 2, female, dorsal; 3, male, dorso-lateral; 4, male, lateral; 5, female, lateral. Scale: 1.0 mm.

Natural history. The examined specimens were found under the bark of a fallen pine tree, *Pinus luchuensis* (Pinaceae; Ryūkyūmatsu in Japanese).

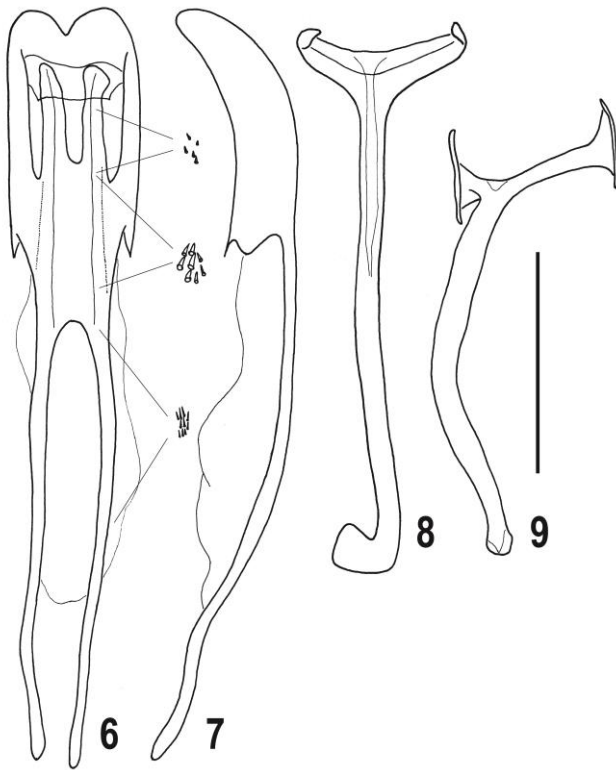
Comments. Japanese specimens are slightly larger (3.90–4.20 mm in length) than those from China (3.00–3.90 mm). However, the size difference is considered to be intraspecific variation.

This species is easily distinguishable from the type species by its robust body: pronotum slightly longer than broad (1.30 times longer than broad in *A. griseus*), and elytra approximately 1.30 times as long as broad (about 1.50 times as long as broad in *A. griseus*).

Curiously enough, this species is very similar to an undetermined species from Cuba depicted by Grebennikov (2018; fig. 12B) as the first representative of Stromboscerinae from the Western Hemisphere.

要 約

小島弘昭・藤澤侑典：ヨリメムツヒゲキクイサビゾウムシ（甲虫目オサゾウムシ科キクイサビゾウムシ亜科）の日本からの記録。—— 中国南東部から記載されたヨリメムツヒゲキクイサビゾウムシ（和名新称）を日本（宮古島）から新たに記録した。ヨリメムツヒゲキクイサビゾウムシ属（和名新



Figs. 6-9. Male terminalia of *Allaeotes niger* from Miyako-jima Is., the Ryukyus, Japan. 6, Aedeagus, dorsal; 7, ditto, lateral; 8, tegmen, dorsal; 9, spiculum gastrale, dorsal. Scale: 0.5 mm.

称) 自体も日本初記録となる。本属はインドネシア (アンボン) から記載されたタイプ種と本種の 2 種のみが知られ、生態的知見は知られていなかったが、今回、リュウキュウマツ倒木の樹皮下から成虫が得られた。タイプ種とは、幅広い体形をしていることから容易に区別がつく。また、非常に不思議なことに、西半球 (キューバ共和国) から本亜科の初記録種として Grebennikov (2018) により図示された未同定種に酷似する。

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