

ミミズの手帳

この欄は、土壌動物に少しでも関連のことでしたら、会員のだれでも投稿できる気楽な頁です。短い観察記録、意見、書籍紹介、ニュース、会員の動静、資料や標本の提供・交換依頼などいつでも気楽に利用して下さい。ただし、原稿は1件につき1,200字程度にまとめて下さい。

Occurrence of the terrestrial amphipod *Talitroides alluaudi* (Crustacea: Amphipoda: Brevitalitridae) on Amami- oshima Island, Japan

The terrestrial amphipod *Talitroides alluaudi* (Chevreux, 1896) is a cosmopolitan species with a worldwide distribution (Nascimento and Serejo, 2016). In the East Asian islands, this species has been recorded from Taiwan, and from Miyako Island in the Southern Ryukyu Islands, Japan (see Takahashi *et al.*, 2021). Herein, we report for the first time the presence of *T. alluaudi* on Amami-oshima Island in the Central Ryukyu Islands. This report provides the northernmost record of this species in the western Pacific region.

An ovigerous female with two eggs was collected by the second author on 13 March 2021 from among fallen leaves in the forest, ca. 260 m from the nearest beach, at Tean, Setouchi-cho, Amami-oshima Island (28.15714°N, 129.29972°E). This talitrid specimen (body length, 3.9 mm) was unquestionably identified as *T. alluaudi* by the first author, according to previous studies (Morino and Ortal, 1993; Nascimento and Serejo, 2016), and was deposited in the Zoological Collection of Kyoto University (KUZ Z3931; Fig. 1). A partial DNA sequence of mitochondrial cytochrome *c* oxidase subunit I (COI) of the present specimen (658 bp; INSD accession number LC624731) showed a unique haplotype distinct from the known COI sequences of *T. alluaudi* from Miyako Island (LC597812), Taiwan (AB741765) and Bermuda (KX360507

and other 13 sequences); the Taiwanese and Bermudan COI sequences are identical to each other (see Takahashi *et al.*, 2021). A single synonymous substitution was detected between the present sequence and the Taiwanese/Bermudan sequences. Furthermore, 4/658 (0.61%) nucleotides were polymorphic between the individual from Amami-oshima Island and that from Miyako Island. Further field surveys are essential to clarify the distribution and genetic diversity of this cosmopolitan talitrid within the East Asian islands.

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References

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Fig. 1. *Talitroides alluaudi* (Chevreux), from Amami-oshima Island, Japan, ovigerous female (KUZ Z3931). Scale bar: 1 mm.