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New family Apotomouridae fam. nov. (Coleoptera: Tenebrionoidea) from lower Cenomanian amber of Myanmar

Tong Bao, Katarzyna S. Walczyńska, Samantha Moody, Bo Wang, Jes Rust



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1 **New family Apotomouridae fam. nov. (Coleoptera: Tenebrionoidea) from lower**
2 **Cenomanian amber of Myanmar**

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4 Tong Bao ^{a,b}*, Katarzyna S. Walczyńska ^c, Samantha Moody ^b, Bo Wang ^{a,d}, Jes Rust
5 ^b

6 ^aState Key Laboratory of Palaeobiology and Stratigraphy, Nanjing Institute of
7 Geology and Palaeontology, Chinese Academy of Sciences, Nanjing 210008, China.

8 ^bSteinmann-Institut für Geologie, Mineralogi und Paläontologie, Rheinische
9 Friedrich-Wilhelms-Universität Bonn, Nussallee 8, 53115 Bonn, Germany.

10 ^cInstitute of Oceanography, University of Gdansk, Al. Pilsudskiego 46, 81-378
11 Gdynia, Poland.

12 ^dShandong Provincial Key Laboratory of Depositional Mineralization & Sedimentary
13 Minerals, Shandong University of Science and Technology, Qingdao, Shandong
14 266590, China.

15 * Corresponding author. Steinmann-Institut für Geologie, Mineralogie und
16 Paläontologie, Rheinische Friedrich-Wilhelms-Universität Bonn, Nussallee 8, 53115
17 Bonn, Germany.

18 Email: baotongking@gmail.com

19

20 **Abstract**

21 The new family Apotomouridae fam. nov. (Coleoptera: Polyphaga:
22 Tenebrionoidea) is described based on *Multispinus multispinosus* gen. et sp. Nov. and
23 *Apotomoura fortiscrura* gen. et. sp. nov. from Burmese amber (lower Cenomanian, ca.
24 99 Ma). The retractile wedge-shaped body and tarsal formula 5-5-4 placed
25 Apotomouridae fam. nov. in Tenebrionoidea. The new family shares similarities with
26 the Mordellidae, whereas the absence of pygidium and the combination of other
27 microstructures assigned it more closely to the Jurassic beetle genus *Wuhua*. The
28 morphological characters suggest the similar flower feeding style as to Mordellidae
29 and Ripiphoridae, which represent the flower diet and pollinating strategy in the
30 Tenebrionoidea.

31

32 *Keywords:* Coleoptera, Tenebrionoidea, New family, Burmese amber, lower
33 Cenomanian, Cretaceous

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