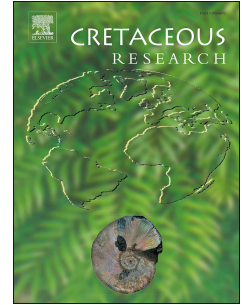


Accepted Manuscript

Cretaceous moths (Lepidoptera: Micropterigidae) with preserved scales from Myanmar amber

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PII: S0195-6671(17)30111-8

DOI: [10.1016/j.cretres.2017.06.016](https://doi.org/10.1016/j.cretres.2017.06.016)

Reference: YCRES 3645

To appear in: *Cretaceous Research*

Received Date: 7 March 2017

Revised Date: 4 June 2017

Accepted Date: 18 June 2017

Please cite this article as: Zhang, W., Wang, J., Shih, C., Ren, D., Cretaceous moths (Lepidoptera: Micropterigidae) with preserved scales from Myanmar amber, *Cretaceous Research* (2017), doi: 10.1016/j.cretres.2017.06.016.

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1 **Cretaceous moths (Lepidoptera: Micropterigidae) with preserved scales from Myanmar**

2 **amber**

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12

13 **Abstract.** Two new species of Micropterigidae, *Sabatinca cretacea* sp. nov. and *Sabatinca*
14 *limula* sp. nov. are described from the Upper Cretaceous Myanmar (Burmese) amber (99 Ma).
15 Based on exquisitely preserved specimens with clear morphological characters and detailed
16 structure of scales, the diagnosis of *Sabatinca perveta* is emended. Our new findings support that
17 scales have developed various types and shapes by the Cretaceous. The extinct *Sabatinca* species
18 represent a separate group that may be a transitional group from Australian lineage to extant
19 *Sabatinca*.

20

21

22 **Keywords.** *Sabatinca*; taxonomy; Mesozoic; Upper Cretaceous

23

24 **1. Introduction**

25 Micropterigidae, distributed in all major zoogeographical regions, are the most basal family
26 of extant Lepidoptera (Scoble, 1992). Defining features of the Micropterigidae are antennae with

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