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Anthracotheriid artiodactyl *Anthracokeryx* and an upper Eocene age for the Youganwo Formation of southern China

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Abstract

© 2017 Informa UK Limited, trading as Taylor & Francis Group The two recently collected mammalian dentary fragments from the Eocene Youganwo Formation of Guangdong Province, southern China, are referred to the anthracotheriid species *Anthracokeryx naduongensis* based on phylogenetic analysis and size comparison. One of these specimens (SYSU-M-1) is the first mammal fossil described from the Youganwo Formation. It was attributed previously to the perissodactyl genus *Lunania*. *Anthracokeryx naduongensis* was described originally from the lower upper Eocene Na Duong Formation in Northern Vietnam. The second record of this species supports a basal upper Eocene correlation for the Youganwo Formation, which was estimated previously as middle or late Eocene.

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Keywords

Anthracotheriidae, Artiodactyla, China, Eocene, Mammalia, Maoming