

An aberrant amphicyonid mammal from the latest Eocene of the Bose Basin, Guangxi, China

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A new genus and species of an amphicyonid from the Bose Basin of Guangxi, south China, is short-jawed with relatively bunodont cheek teeth that are characterized by reduction in cusp number. This taxon is the oldest record of an amphicyonid from south Asia and possibly for all of Asia. Despite its antiquity, it is derived in the development of brachygnathy and differs from other early amphicyonids that have shortened faces. Evidently brachygnathy was established in this species without loss of p1-2 or m2-3, which became single-rooted from a primitive double-rooted condition.

Key words: Carnivora, Amphicyonidae, Eocene, Bose Basin, Nadu Formation.

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