

Presence of the Asian horse *Sinohippus* in the Miocene of Europe

Manuel J. Salesa, Israel M. Sanchez, and Jorge Morales

Acta Palaeontologica Polonica 49 (2), 2004: 189-196

The Anchitheriinae are a group of browsing horses with a widespread distribution throughout the Miocene. The subfamily includes the genera *Hypohippus*, *Megahippus*, *Kalobatippus*, *Anchitherium*, and *Sinohippus*. In the present paper we compare the remains of a giant anchitherine from the Spanish site of Nombrevilla-1, 'Anchitherium' sampelayoi, with other species of *Anchitherium* from Europe, the North American genera *Megahippus* and *Hypohippus*, and the Asian genus *Sinohippus*. These comparisons allow us to suggest the inclusion of this large Spanish browsing horse in the Asian genus *Sinohippus*, rather than in *Anchitherium*. This proposal is made on the basis of some morphological traits from the upper cheek teeth of the Nombrevilla-1 fossils, and their large size, which clearly is outside the range of all other known European *Anchitherium*.

Key words: Mammalia, Anchitheriinae, Anchitherium, Sinohippus, browsers, Miocene, Spain.

Manuel J. Salesa [mcns188@mncn.csic.es], Israel M. Sánchez [mcnm189@mncn.csic.es], and Jorge Morales [mcnm166@mncn.csic.es], Departamento de Paleobiología, Museo Nacional de Ciencias Naturales–CSIC, José Gutiérrez Abascal, 2, 28006 Madrid, Spain.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.