

# Notes on Didelphidae (Mammalia, Marsupialia) from the Huayquerian (Pliocene) of Argentina

American Museum of Natural History - Simpson, George Gaylord,

Description: -

- Symbolism in literature.

Bellman, Carl Michael, 1740-1795 -- Symbolism

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Paleontology -- Pliocene.

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Tags: #Simpson, #George #Gaylord,

**Contribution to the Knowledge of the Sparassocynidae (Mammalia, Metatheria, Didelphoidea), with Comments on the Age of the Aisol Formation (Neogene), Mendoza Province, Argentina**

DIDELPHIMORPHIA GILL, 1872, new definition Definition We propose a stem-based phylogenetic definition of



Filesize: 9.47 MB

Didelphimorphia, namely the most inclusive clade containing *Didelphis marsupialis*, but not *Caenolestes fuliginosus* or *Phalanger orientalis*. Central American woolly opossum *Caluromys derbianus*, photographed by. Abstract The oldest known species of the genus *Didelphis* Mammalia, Marsupialia, Didelphidae is described here.

## Oldest Species of *Didelphis* (Mammalia, Marsupialia, Didelphidae), from the Late Miocene of Amazonia

Codings for *Sparassocynus derivatus* were based on specimens from the Chapadmalal Formation, and so this taxon was assigned an age range of 5. Tip-dating alone, without the use of nodal calibrations, often results in implausibly ancient divergences Beck and Lee ; O'Reilly et al. Solid black line represents the broken edges of the hypotympanic sinus, dotted white line represents the path of the mandibular division of the trigeminal nerve V3 within the medial wall of the alisphenoid tympanic process.

## Variety of Life: Didelphidae

The analysis was run for  $20 \times 10^6$  generations, using a parsimony starting tree, and sampling trees every 5000 generations.

## THE OLDEST SPECIES OF DIDELPHIS (MAMMALIA, MARSUPIALIA, DIDELPHIDAE), FROM THE LATE MIocene OF AMAZONIA

These taxa were joined by members of Sparassodonta another clade of carnivorously-adapted metatherians from South America when the latter were added to the analysis.

**A Nearly Complete Juvenile Skull of the Marsupial *Sparassocynus derivatus* from the Pliocene of Argentina, the Affinities of “Sparassocynids”, and the Diversification of Opossums (Marsupialia; Didelphimorphia; Didelphidae)**

These were then summarized into a Maximum Clade Credibility MCC tree using TreeAnnotator v1. Thus, the comparatively small size of the postorbital processes in a near subadult of *Sparassocynus derivatus* may be an indication that these processes increased markedly in size relative late in ontogeny compared to extant didelphids see Voss and Jansa : 31. The last feature suggests more frugivorous habits than in other species of the genus.

**31280115**

Judging from the preserved roots it can be appreciated that, even though absent, p1 was not very much reduced in relation to p2. The holotype and only known specimen comes from the late Miocene deposits of the Solimões Formation at Patos, Acre River, Brazil. Both molars have a small, labial, single—cusped cingulid at the crown base between the hypoconid and the entoconid.

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Translations are not retained in our system

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