# The Timetree of Mammals

Mario dos Reis, Jun Inoue, Masami Hasegawa,
Robert J. Asher, Philip C.J. Donoghue and Ziheng Yang

(2012) Phylogenomic datasets provide both precision and accuracy
in estimating the timescale of placental mammal phylogeny.
*Proceedings of the Royal Society B*. **279:**3491-3500

Prototheria
Metatheria
Theria
Eutheria
Atlantogenata
Boreotheria
Laurasiatheria
Glires
Euarchontoglires
Placentalia
Euarchonta
Muridae
Strepsirrhini
Tarsiidae
Platyrrhini
Hominoidea
Catarrhini
Cercopithecoidea
Erinaceidae
Soricidae
Talpidae
Camelidae
Suidae
Ruminantia
Hippopotamidae
Cetacea
Rhinolophidae
Yinpterochiroptera
Yangochiroptera
Felidae
Canidae
Musteloidae
Pinnipedia
Ursidae

Monotremata
Marsupialia
Xenarthra
Afrotheria
Lagomorpha
Rodentia
Scandentia
Dermoptera
Primates
Eulipotyphla
Cetartiodactyla
Perissodactyla
Pholidota
Carnivora
Chiroptera

175 150 125 100 75 **K-Pg** 50 25 0 Myr ago

| | | | | |
|---|---|---|---|---|
| Mesozoic | | | Cenosozoic | |
| Jurassic | Cretaceous | | Paleogene | Neogene | Q |

(Q: Quaternary)