Age (Ma)
0.0
2.58
5.333
23.03
33.9
56.0
66.0
100.5
145.0
163.5
174.1
201.3
237.0
247.2
251.902
259.1
272.95
298.9
323.2
358.9
Cenozoic
Mesozoic
Paleozoic
Neogene
Paleogene
Cretaceous
Jurassic
Triassic
Permian
Carboniferous
Pl
Mioc
Olig
Eoc
Paleoc
Late Cretaceous
Early Cretaceous
Late J
Middle J
Early Jurassic
Late Triassic
Middle Tr
ETr
Guada-lupian
Lo-pingian
Cisuralian
Pennsylvanian
Mississippian
Classic "Mammal-like Reptiles" aka "Non-mammalian therapsids"
"Pelycosaur-grade"
Caseasauria
Varanopidae
Ophiacodontidae
Edaphosauride
Haptodus
Sphenancodontidae
?
Tetraceratops
?
Raranimus
Biarmosuchia
Dinocephalia
Dicynodontia
"Dromasauria"
Biseridens
Gorgonopsia
Therocephalia
Procyonosuchidae
Galeasauridae
Thrinaxodon
Cynognathia
Lumkuia
Chiniquodontidae
Probainognathus
Prozostrodon
Tritheledontidae
Brasilodontidae
Tritylodontidae
Mammaliaformes (mammals and extinct kin)
Synapsida
Eupelycosauria
Sphenancomorpha
Sphenancodontia
Therapsida
Eutherapsida
Anomodontia
Neotherapsida
Theriodontia
Eutheriodontia
Cynodontia
Epicynodontia
Eucynodontia
Probainognathia
Prozostrodontia
Mammalia-morpha