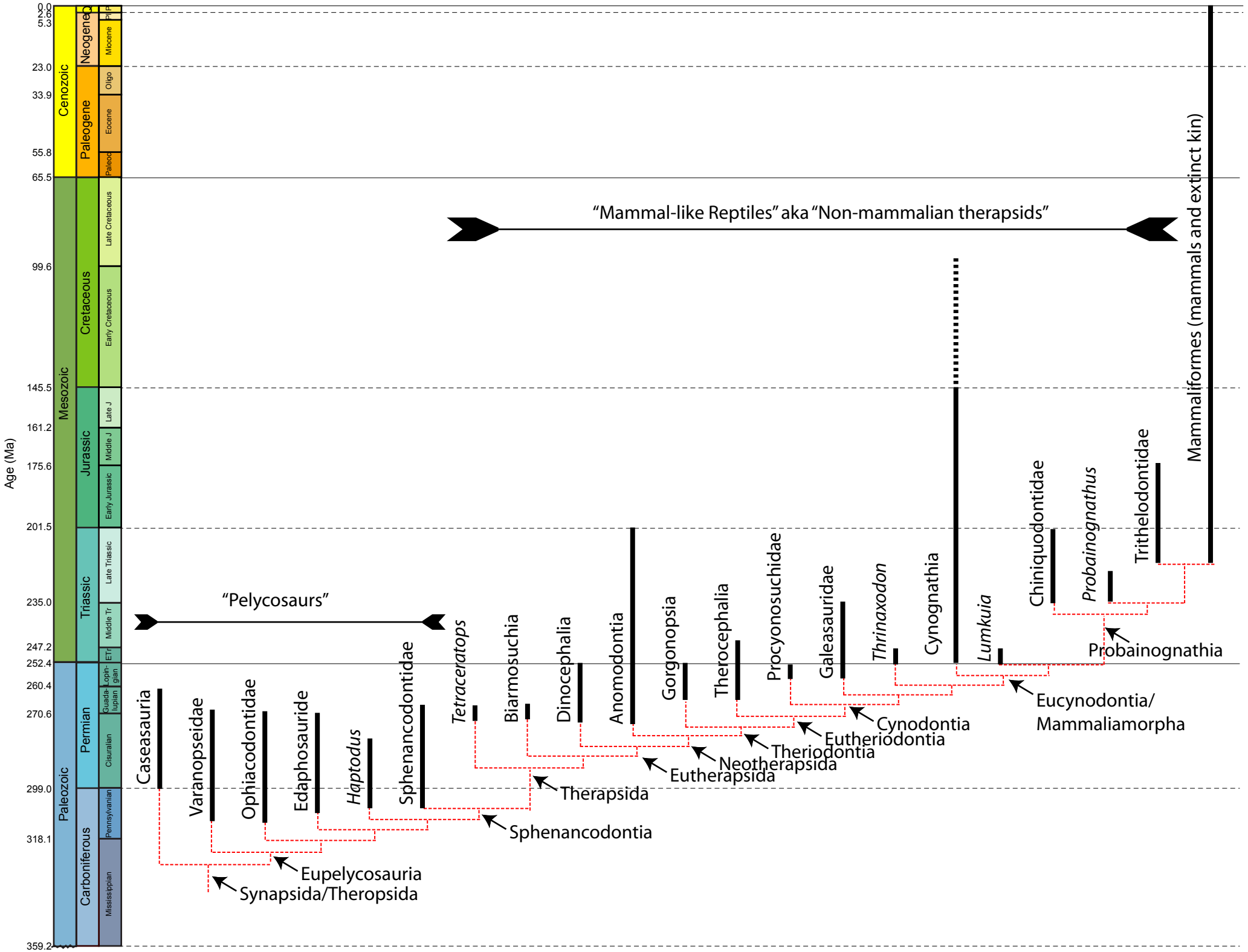
Age (Ma)
0.0
2.6
5.3
23.0
33.9
55.8
65.5
99.6
145.5
161.2
175.6
201.5
235.0
247.2
252.4
260.4
270.6
299.0
318.1
359.2
Cenozoic
Mesozoic
Paleozoic
Neogene
Paleogene
Cretaceous
Jurassic
Triassic
Permian
Carboniferous
Pl
Pl
Miocene
Oligo
Eocene
Paleoc
Late Cretaceous
Early Cretaceous
Late J
Middle J
Early Jurassic
Late Triassic
Middle Tr
ETr
Lopin-gian
Guada-lupian
Cisuralian
Pennsylvanian
Mississippian
"Mammal-like Reptiles" aka "Non-mammalian therapsids"
Mammaliformes (mammals and extinct kin)
"Pelycosaurs"
Caseasauria
Varanopseidae
Ophiacodontidae
Edaphosauride
Haptodus
Sphenancodontidae
Tetraceratops
Biarmosuchia
Dinocephalia
Anomodontia
Gorgonopsia
Therocephalia
Procyonosuchidae
Galeasauridae
Thrinaxodon
Cynognathia
Lumkuia
Chiniquodontidae
Probainognathus
Tritheledontidae
Synapsida/Theropsida
Eupelycosauria
Sphenancodontia
Therapsida
Eutherapsida
Neotherapsida
Theriodontia
Eutheriodontia
Cynodontia
Eucynodontia/
Mammaliamorpha
Probainognathia