

Classification of the Primates

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WITH THE COMPLIMENTS OF:

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Primate classification is, and probably always will be, in a state of flux. This is because classifications, as the products of human minds rather than of nature itself, may legitimately reflect virtually any set of criteria, provided that those criteria are consistently applied (*see* CLASSIFICATION). Currently fashionable criteria range from the strict transliteration of phylogeny, as expressed in a cladogram (*see* CLADISTICS), to general expressions of overall resemblance. The first of these provides disputed and unstable classifications, because not all details (or in some cases major questions) of primate phylogeny have been definitively resolved. The second has much the same effect, because there exists no generally acceptable method of measuring such resemblance (but *see* EVOLUTIONARY SYSTEMATICS).

It was necessary, however, to settle upon a single classification for the purposes of organizing this volume. This is presented below. We wish to emphasize that we have not attempted to produce a "definitive" classification but rather the closest thing we could achieve to a "consensus" classification. No one, least of all the editors, will accept all of its details, and indeed some of our contributors inevitably take exception to parts of the classification in their entries; thus, each entry dealing with a family or a subfamily, depending upon the group involved, includes a classification of that group usually, but not always, equivalent to what follows. Yet most of it will be acceptable to most students of the primates, and it certainly serves as a coherent framework upon which to arrange the systematic contributions in this encyclopedia. For more details on authorship, synonymy, included species, and related topics, *see Evolutionary History of the Primates* by F.S. Szalay and E. Delson (Academic Press, 1979; second edition in prep). Our classification follows. († denotes an extinct genus; ? indicates that allocation of a genus to a higher taxon, or a subgenus to a genus, is uncertain.)

Order Primates

Semiorder Plesiadapiformes

Superfamily Paromomyoidea

Family Paromomyidae

Subfamily Paromomyinae

Tribe Purgatoriini

† *Purgatorius*

Tribe Paromomyini

Subtribe Paromomyina

† *Paromomys*

† *Ignacius*

† *Dillerlemur*

† *Pulverflumen*

† *Simpsonlemur*

† *Phenacolemur* (including

† *Elwynella* and † *Arcius*)

Subtribe Palaechthonina

† *Palaechthon*

† *Plesiolestes*

† *Palenochtha*

† *Premnoides*

Tribe Micromomyini

† *Micromomys*

† *Tinimomys*

† *Chalicomomys*

† *Myrmecomomys*

Tribe Navajoviini

† *Navajovius*

† *Berruvius*

† *Avenius*

Family Picrodontidae

† *Picrodus* (including † *Draconodus*)

† *Zanycteris*

Superfamily Plesiadapoidea

Family Plesiadapidae		† <i>Azibius</i>
† <i>Pandemonium</i>		† <i>Panobius</i>
† <i>Pronothodectes</i>		† <i>Djebelemur</i>
† <i>Plesiadapis</i>	(including	† <i>Wailekia</i>
† <i>Nannodectes</i>)		† <i>Rencunius</i>
† <i>Chiromyoides</i>		† <i>Pondaungia</i>
† <i>Platychoerops</i>		† <i>Amphipithecus</i>
Family Carpolestidae		† <i>Hoanghoni</i>
Subfamily Carpolestinae		† <i>Chasselasia</i>
† <i>Elphidotarsius</i>		† <i>Fendantia</i>
† <i>Carpodaptes</i>	(including	† <i>Siamopithecus</i>
† <i>Carpolestes</i>)		† <i>Shizarodon</i>
† <i>Carpocristes</i>		† <i>Omanodon</i>
Subfamily Chronolestinae		Infraorder Lemuriformes
† <i>Chronolestes</i>		Superfamily Lemuroidea
Family Saxonellidae		Family Lemuridae
† <i>Saxonella</i>		Subfamily Lemurinae
Semiorder Euprimates		<i>Varecia</i>
Suborder Strepsirhini		† <i>Pachylemur</i>
Infraorder Adapiformes		<i>Lemur</i>
Family Adapidae		<i>Eulemur</i>
† <i>Adapis</i>		Subfamily Hapalemurinae
† <i>Leptadapis</i>		<i>Hapalemur</i>
† <i>Simonsia</i>		Superfamily Indrioidea
† <i>Paradapis</i>		Family Indriidae
† <i>Cryptadapis</i>		<i>Indri</i>
† <i>Alsatia</i>		<i>Propithecus</i>
Family Notharctidae		<i>Avahi</i>
Subfamily Notharctinae		Family Palaeopropithecidae
† <i>Notharctus</i>		† <i>Palaeopropithecus</i>
† <i>Cercamoni</i>		† <i>Archaeoindris</i>
Subfamily Protoadapinae		† <i>Mesopropithecus</i>
Tribe Protoadapini		† <i>Babakotia</i>
† <i>Protoadapis</i>		Family Archaeolemuridae
† <i>Mahgarita</i>		† <i>Archaeolemur</i>
† <i>Pronycticebus</i>		† <i>Hadropithecus</i>
† <i>Microadapis</i>		Family Lepilemuridae
† <i>Europolemur</i>		Subfamily Lepilemurinae
† <i>Barnesia</i>		<i>Lepilemur</i>
† <i>Adapoides</i>		Subfamily Megaladapinae
† <i>Buxella</i>		† <i>Megaladapis</i>
† <i>Periconodon</i>		Family Daubentoniidae
† <i>Huerzeleris</i>		<i>Daubentonia</i>
Tribe Pelycodontini		Superfamily Lorisioidea
† <i>Pelycodus</i>		Family Lorisidae
† <i>Cantius</i>		<i>Loris</i>
† <i>Laurasia</i>		† <i>Indraloris</i>
† <i>Agerinia</i>		† <i>Mioeuoticus</i>
† <i>Donrussellia</i>		<i>Arctocebus</i>
† <i>Copelemur</i>		<i>Perodicticus</i>
† <i>Anchomomys</i>		<i>Nycticebus</i>
Subfamily Sivaladapinae		† <i>Nycticeboides</i>
† <i>Sivaladapis</i>		Family unspecified
† <i>Sinoadapis</i>		<i>Pseudopotto</i>
† <i>Smilodectes</i>		Family Galagidae
?Infraorder Adapiformes		<i>Galago</i>
† <i>Caenopithecus</i>		<i>G. (Galago)</i>
† <i>Lushius</i>		<i>G. (Euoticus)</i>

- Galagoides*
G. (Galagoides)
G. (Sciurocheirus)
Otolemur
† *Komba*
Family indeterminate
† *Progalago*
Family Cheirogaleidae
Cheirogaleus
Microcebus
Mirza
Allocebus
Phaner
?Suborder Strepsirhini
 Superfamily Plesioipithecoidea
 † *Plesioipithecus*
Suborder Haplorhini
 Hyporder Tarsiiformes
 Superfamily Tarsiioidea
 Family Tarsiidae
 Tarsius
 ?† *Afrotarsius*
 ?† *Xanthorhysis*
 Family Eosimiidae
 † *Eosimias*
 Superfamily Omomyoidea
 Family Omomyidae
 Subfamily Omomyinae
 Tribe Omomyini
 Subtribe Omomyina
 † *Omomys*
 † *Chumashius*
 Subtribe Mytoniina
 † *Ourayia* (including † *Mytonius*)
 † *Macrotarsius*
 Tribe Uintaniini
 † *Steinius*
 † *Uintanius* (including † *Huerfanius*)
 † *Jemezius*
 Tribe Utahiini
 † *Utahia*
 † *Stockia*
 † *Asiomomys*
 Tribe Washakiini
 Subtribe Hemiaccodontina (new)
 † *Loveina*
 † *Hemiaccodon*
 Subtribe Washakiina
 † *Shoshonius*
 † *Washakius*
 † *Dyseolemur*
 Subtribe Rooneyina (new rank)
 † *Rooneyia*
 Subfamily Ekgmowechashalinae
 † *Ekgmowechashala*
 Subfamily Anaptomorphinae
 Tribe Teilhardinini
 † *Teilhardina*
- † *Chlororhysis*
Tribe Trogolemurini
† *Trogolemur*
† *Anemorhysis* (including
 † *Tetonoides* and † *Uintalacus*)
† *Arapahovius*
Tribe Tetoniini
† *Tetonius* (including
 † *Pseudotetonius* and
 † *Mckennamorphus*)
† *Absarokius* (including † *Aycrossia*
 and † *Strigorhysis*)
Tribe Anaptomorphini
† *Anaptomorphus* (including
 † *Gazinius*)
Tribe Altaniini (new)
† *Altanius*
Subfamily Microchoerinae
† *Nannopithec*
† *Pseudoloris* (including † *Pivetonia*)
† *Necrolemur*
† *Microchoerus*
Family Omomyidae, indeterminate
† *Decoredon*
† *Kohatius*
† *Altiatlasius*
Hyporder Anthropeoidea
 Infraorder Platyrrhini
 Superfamily Ateloidea
 Family Atelidae
 Subfamily Atelinae
 Tribe Atelini
 Ateles
 Brachyteles
 Lagothrix
 † *Caipora*
 Tribe Alouattini
 Alouatta
 † *Stirtonia*
 † *Protopithecus*
 ?† *Paralouatta*
 Subfamily Pitheciinae
 Tribe Pitheciini
 Proteropithecia
 Chiropotes
 Casujao
 † *Cebupithecia*
 † *Soriacebus*
 Tribe Homunculini
 Aotus
 Callicebus
 † *Tremacebus*
 † *Homunculus*
 Subfamily Pitheciinae, incertae sedis
 † *Carlocebus*
 † *Lagonimico*
 ?† *Xenothrix*
 ?† *Nuciruptor*

?† <i>Proteopithecia</i>	(previously	† <i>Ankarapithecus</i>
† <i>Propithecia</i>)		?† <i>Gigantopithecus</i>
Family Cebidae		Subfamily Hominiinae
Subfamily Cebinae		Tribe Gorillini
<i>Cebus</i>		<i>Gorilla</i>
† <i>Antillothrix</i>		Tribe Hominini
<i>Saimiri</i> (?including † <i>Neosaimiri</i>)		† <i>Ardipithecus</i>
† <i>Laurentiana</i>		† <i>Australopithecus</i>
† <i>Dolichocebus</i>		† <i>Paranthropus</i>
† <i>Chilecebus</i>		<i>Homo</i>
Subfamily Callitrichinae		Subfamily Hominiinae, incertae sedis
Tribe Callimiconini		<i>Pan</i>
<i>Callimico</i>		?† <i>Graecopithecus</i>
?† <i>Mohanamico</i>		?† <i>Samburupithecus</i>
Tribe Callitrichini		Superfamily Cercopithecoidea
<i>Saguinus</i>		Family Cercopithecidae
<i>Leontopithecus</i>		Subfamily Cercopithecinae
<i>Callithrix</i>		Tribe Cercopithecini
<i>Cebuella</i>		Subtribe Cercopithecina
Subfamily Callitrichinae incertae sedis		<i>Cercopithecus</i>
?† <i>Micodon</i>		<i>Miopithecus</i>
?† <i>Patasola</i>		<i>Erythrocebus</i>
Subfamily Branisellinae		Subtribe Allenopithecina
† <i>Branisella</i>	(?including	<i>Allenopithecus</i>
† <i>Szalatavus</i>)		Tribe Papionini
Infraorder Catarrhini		Subtribe Papionina
Parvorder Eucatarrhini		<i>Papio</i>
Superfamily Hominoidea		<i>P. (Papio)</i>
Family Proconsulidae		† <i>P. (Dinopithecus)</i>
† <i>Proconsul</i>		<i>Mandrillus</i>
† <i>Kamoyapithecus</i>		<i>Cercocebus</i>
?† <i>Rangwapithecus</i>		? <i>Lophocebus</i>
?† <i>Limnopithecus</i>		† <i>Gorgopithecus</i>
Family Hylobatidae		<i>Theropithecus</i>
<i>Hylobates</i>		<i>T. (Theropithecus)</i>
<i>H. (Hylobates)</i>		† <i>T. (Omopithecus)</i>
<i>H. (Symphalangus)</i>		† <i>Parapapio</i>
<i>H. (Nomascus)</i>		Subtribe Macacina
? <i>H. (Bunopithecus)</i>		<i>Macaca</i>
Family Hominidae		† <i>Procynocephalus</i>
Subfamily Kenyapithecinae		† <i>Paradolichopithecus</i>
Tribe Afropithecini		Subfamily Colobinae
† <i>Afropithecus</i>		Subtribe Colobina
?† <i>Morotopithecus</i>		<i>Colobus</i>
?† <i>Heliopithecus</i>		<i>Procolobus</i>
?† <i>Otavipithecus</i>		<i>P. (Procolobus)</i>
† <i>Equatoriuc</i> (-“ <i>Kenyapithecus</i> ”)		<i>P. (Piliocolobus)</i>
Tribe Kenyapithecini		† <i>Libypithecus</i>
† <i>Kenyapithecus</i>		† <i>Cercopithecoides</i>
† <i>Griphopithecus</i>		† <i>Paracolobus</i>
Subfamily Dryopithecinae		† <i>Rhinocolobus</i>
† <i>Dryopithecus</i>		Subtribe Presbytina
?† <i>Lufengpithecus</i>		<i>Presbytis</i>
Subfamily Oreopithecinae		<i>Semnopithecus</i>
† <i>Oreopithecus</i>		<i>S. (Semnopithecus)</i>
Subfamily Ponginae		<i>S. (Trachypithecus)</i>
<i>Pongo</i>		<i>Pygathrix</i>
† <i>Sivapithecus</i>		<i>P. (Pygathrix)</i>

<i>P.</i> (<i>Rhinopithecus</i>)	Subfamily indeterminate
<i>Nasalis</i>	† <i>Dionysopithecus</i>
<i>N.</i> (<i>Nasalis</i>)	† <i>Platodontopithecus</i>
<i>N.</i> (<i>Simias</i>)	Family Propliopithecidae
Subfamily Colobinae, incertae sedis	† <i>Propliopithecus</i> (including
† <i>Mesopithecus</i>	† <i>Aegyptopithecus</i> and
† <i>Dolichopithecus</i> (?including	† <i>Moeripithecus</i>)
† <i>Parapresbytis</i>)	Infraorder Paracatarrhini
Subfamily Victoriapithecinae	Family Parapithecidae
† <i>Victoriapithecus</i>	Subfamily Parapithecinae
† <i>Prohylobates</i>	† <i>Apidium</i>
Parvorder Eocatarrhini	† <i>Parapithecus</i> (including
“ <i>Dendropithecus</i> -Group”	† <i>Simonsius</i>)
† <i>Dendropithecus</i>	Subfamily Qatraniinae
† <i>Micropithecus</i>	† <i>Qatrania</i>
† <i>Simiolus</i>	† <i>Serapia</i>
† <i>Kalepithecus</i>	?† <i>Arsinoea</i>
?† <i>Mabokopithecus</i>	Subfamily indeterminate
?† <i>Nyanzapithecus</i>	?† <i>Biretia</i>
?† <i>Turkanapithecus</i>	?† <i>Algeripithecus</i>
Family Pliopithecidae	?† <i>Tabelia</i>
Subfamily Pliopithecinae	Family Oligopithecidae
† <i>Pliopithecus</i>	† <i>Oligopithecus</i>
Subfamily Crouzelinae	† <i>Catopithecus</i>
† <i>Plesiopliopithecus</i> (including	?Hyporder Anthropeida, incertae sedis
† <i>Crouzelia</i>)	† <i>Proteopithecus</i>
† <i>Anapithecus</i>	Primates, incertae sedis
† <i>Laccopithecus</i>	† <i>Petroleumur</i>