

The Taxonomicon

Systema Naturae 2000

Classification of
Class *Mammalia*
(mammals)
down to Order

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Universal Taxonomic Services

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- Class Mammalia -

[Kingdom *Animalia*: Phylum *Chordata* - mammals]

[crown] Class *Mammalia** Linnaeus, 1758 - mammals

1 Subclass *Prototheria* Gill, 1872 - monotremes

1 Clade *Yinotheria** Chow & Rich 1982 [Kielan-Jaworowska, Cifelli & Luo 2004]

1 Order †*Shuotheridia** Chow & Rich, 1982

2 Clade *Australosphenida** Luo, Cifelli & Kielan-Jaworowska 2001

1 Order †*Henosferida* Averianov & Lopatin, 2011

2.1 [plesion] Genus †*Ambondro** Flynn, Parrish, Rakotosamimanana, Simpson & Wyss, 1999

2.2.1 Order †*Ausktribosphenida** Rich, Vickers-Rich, Constantine, Flannery, Kool & van Klaveren, 1997

2.2.2 Order *Monotremata* Bonaparte, 1837 - monotremes

2 Clade *Therimorpha** Rowe 1993

1 Genus †*Atlasodon* Sigogneau-Russell, 1991, incertae sedis

2 Genus †*Microderson* Sigogneau-Russell, 1991, incertae sedis

3.1 [plesion] Genus †*Fruitafossor* Luo & Wible, 2005

3.2 Clade *Theriformes** Rowe 1988

1 Family †*Chronoperatidae* Fox, Youzwyshyn & Krause, 1992, incertae sedis

2 Subclass †*Allotheria** Marsh, 1880

1 Order †*Haramiyida* Hahn, Sigogneau-Russell & Wouters, 1989 [paraphyletic]

1.n.1 Order †*Gondwanatheria* Mones, 1987

1.n.2 Order †*Multituberculata* Cope, 1884

3 Clade *Trechnotheria** McKenna 1975

1 [plesion] Order †*Spalacotheriida** Prothero, 1981

2 Clade *Cladotheria** McKenna 1975

1 Superorder †*Dryolestoidae** Butler, 1939

1 Order †*Dryolestida** Prothero, 1981

2.1 [plesion] Genus †*Groebertherium* Bonaparte, 1986

2.2 Order †*Meridiolestida* Rougier, Apesteguía & Gaetano, 2011

2.1 [plesion] Genus †*Chunnelodon* Ensom & Sigogneau-Russell, 1998, sedis mutabilis

2.2 [plesion] Order †*Amphitheriida* Prothero, 1981

2.3.1 [plesion] Family †*Mozomuridae* Li, Setoguchi, Wang, Hu & Chang, 2005

2.3.2 Clade *Zatheria** McKenna 1975

1 ?Family †*Thereuodontidae* Sigogneau-Russell & Ensom, 1998

2 Genus †*Afriquiamus* Sigogneau-Russell, 1999, incertae sedis

3 Genus †*Magnimus* Sigogneau-Russell, 1999, incertae sedis

4 Genus †*Minimus* Sigogneau-Russell, 1999, incertae sedis

5 [plesion] Family †*Arguimuridae* Dashzeveg, 1994, sedis mutabilis

6 [plesion] Order †*Peramura** McKenna, 1975

7 Clade *Prototribosphenida** Wible, Rougier, Novacek, McKenna & Dashzeveg 1995

1 [plesion] Family †*Vincelestidae** Bonaparte, 1986

2.1 [plesion] Genus †*Nanolestes* Martin, 2002

2.2 Clade *Boreosphenida** Luo, Cifelli & Kielan-Jaworowska 2001

1 Genus †*Paleomolops* Cifelli, 1994, incertae sedis

2 Genus †*Zygiocuspis* Cifelli, 1990, incertae sedis

3? [plesion] Genus †*Hypomylos* Sigogneau-Russell, 1992

4? [plesion] Genus †*Tribotherium* Sigogneau-Russell, 1991

5 [plesion] Order †*Aegialodontia** Butler, 1978

6.1 [plesion] Genus †*Potamotelses* Fox, 1972

6.2.1 [plesion] Family †*Picopsidae* Fox, 1980

6.2.2.1 [plesion] Family †*Kermackiidae* Butler, 1978

6.2.2.2 [crown] Subclass *Theria** Parker & Haswell, 1897

1 Family †*Plicatodontidae* Ameghino, 1904, incertae sedis

2 [plesion] Family †*Holoclemensiidae* Aplin & Archer, 1987, sedis mutabilis

3 Infraclass *Metatheria* Huxley, 1880

1 Genus †*Progarzonia* Ameghino, 1904, incertae sedis

2 [plesion] Family †*Pappotheriidae* Slaughter, 1965

3.1 [plesion] Order †*Deltatheroidea* Kielan-Jaworowska, 1982

3.2 Clade *Marsupialiformes* Vullo, Gheerbrant, de Muizon & Néraudeau, 2009

1 [plesion] Genus †*Adelodelphys* Cifelli, 2004

2.1.1 [plesion, p.p.] Genus †*Sinbadelphys* Cifelli, 2004

2.1.2 [plesion, p.p.] Genus †*Kokopellia* Cifelli, 1993

2.2.1 [plesion] Order †*Asiadelphia* Trofimov & Szalay, 1993

2.2.2 Clade *Ameridelphia* Szalay 1982

1 [plesion] Genus †*Anchistodelphys* Cifelli, 1990

2.1.1 [plesion, p.p.] Genus †*Turgidodon* Cifelli, 1990

2.1.2 [plesion, p.p.] Order †*Archimetatheria* Szalay, 1994

2.2.1 [plesion] Order †*Alphadontia* Archer, 1984

2.2.2.1 [plesion] Order †*Paradectia* Marshall, Case & Woodburne, 1990

2.2.2.2 Clade *Sudameridelphia* Szalay 1994

1 Superorder †*Pucadelphyda* de Muizon, Ladevèze, Selva, Vignaud & Goussard, 2018

1 [plesion] Family †*Pucadelphyidae** de Muizon, 1998

2.1 Order †*Polydolopimorphia* Archer, 1984

2.2 Order †*Sparassodonta* Ameghino, 1894

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- 2.1.1 [plesion, p.p.] Genus †*Szalinia* de Muizon & Cifelli, 2001
 - 2.1.2.1.1 [plesion, p.p.] Genus †*Tiulordia* Marshall & de Muizon, 1988
 - 2.1.2.1.2 [plesion, p.p.] Genus †*Gaylordia* Paula Couto, 1952
 - 2.1.2.2.1.1 [plesion, p.p.] Genus †*Marmosopsis* Paula Couto, 1962
 - 2.1.2.2.1.2 [plesion, p.p.] Genus †*Incadelphys* Marshall & de Muizon, 1988
 - 2.1.2.2.2 [plesion, p.p.] Family †*Jaskhadelphyidae* de Muizon, 1992
 - 2.2 Clade *Notometatheria* Kirsch, Lapointe & Springer 1997
 - 1.1 [plesion, p.p.] Genus †*Swaindelphys* Johanson, 1996
 - 1.2.1 [plesion, p.p.] Family †*Sternbergiidae* Szalay, 1994
 - 1.2.2.1 [plesion, p.p.] Family †*Herpetotheriidae* Trouessart, 1879
 - 1.2.2.2 [plesion, p.p.] Family †*Derorhynchidae* Marshall, 1987
 - 2 [crown] Cohort *Marsupialia* Jameson, 1818 - marsupials
 - 1 Family †*Yingabalanaridae* Archer, Every, Godthelp, Hand & Scally, 1990, incertae sedis
 - 2 Order *Didelphimorphia* Gill, 1872 [coordinate rank]
 - 3.1 Order *Paucituberculata* Ameghino, 1894 [coordinate rank]
 - 3.2 Magnorder *Australidelphia* Szalay, 1982
 - 1? Order †*Yalkaparidontia* Archer, Hand & Godthelp, 1988
 - 2 Order *Microbiotheria* Ameghino, 1889
 - 3.1.1 Order *Notoryctemorphia* Kirsch, 1977
 - 3.1.2.1 Order *Dasyuromorphia* Gill, 1872
 - 3.1.2.2 Order *Peramelemorphia* Ameghino, 1889
 - 3.2 Order *Diprotodontia* Owen, 1866
- 4 Infraclass *Eutheria* Gill, 1872
 - 1.1 [plesion, p.p.] Genus †*Montanalestes* Cifelli, 1999
 - 1.2.1 [plesion, p.p.] Genus †*Acristatherium* Hu, Meng, Li & Wang, 2010
 - 1.2.2.1 [plesion, p.p.] Genus †*Ambolestes* Bi, Zheng, Wang, Cignetti, Yang & Wible, 2018
 - 1.2.2.2 [plesion, p.p.] Genus †*Sinodelphys* Luo, Ji, Wible & Yuan, 2003
 - 2.1.1 [plesion, p.p.] Genus †*Juramaia* Luo, Yuan, Meng & Ji, 2011
 - 2.1.2 [plesion, p.p.] Genus †*Eomaia* Ji, Luo, Yuan, Wible, Zhang & Georgi, 2002
 - 2.2.1 [plesion] Genus †*Prokennalestes* Kielan-Jaworowska & Dashzeveg, 1989, sedis mutabilis
 - 2.2.2 [plesion] Genus †*Murtoilestes* Averianov & Skutschas, 2001, sedis mutabilis
 - 2.2.3.1 [plesion] Family †*Otlestidae* Nessov, 1985, sedis mutabilis
 - 2.2.3.2 [plesion] Family †*Adapisoriculidae* Van Valen, 1967, sedis mutabilis
 - 2.2.3.3.1.1.1 [plesion, p.p.] Genus †*Maelestes* Wible, Rougier, Novacek & Asher, 2007
 - 2.2.3.3.1.1.2 [plesion, p.p.] Genus †*Batodon* Marsh, 1892
 - 2.2.3.3.1.2.1.1 [plesion, p.p.] Genus †*Paranyctoides* Fox, 1979
 - 2.2.3.3.1.2.1.2 [plesion, p.p.] Genus †*Eozhelestes* Nessov, 1997
 - 2.2.3.3.1.2.2 [plesion, p.p.] Family †*Zhelestidae* Nessov, 1985
 - 2.2.3.3.2.1 [plesion] Order †*Asioryctitheria* Novacek, Rougier, Wible, McKenna, Dashzeveg & Horovitz, 1997
 - 2.2.3.3.2.2.1 [plesion] Order †*Cimolesta* McKenna, 1975
 - 2.2.3.3.2.2.2.1 [plesion] Family †*Zalambdalestidae* Gregory & Simpson, 1926
 - 2.2.3.3.2.2.2.2 [crown] Cohort *Placentalia* Owen, 1837 - placentals
 - 01 Genus †*Obtusodon* Xu, 1977, incertae sedis
 - 02 Genus †*Wanotherium* Tang & Yan, 1976, incertae sedis
 - 03 Genus †*Tingamarra* Godthelp, Archer, Cifelli, Hand & Gilkeson, 1992, incertae sedis
 - 04 Genus †*Eurochodon* Roth, 1903, incertae sedis
 - 05 Genus †*Eodesmatodon* Zheng & Chi, 1978, incertae sedis
 - 06 Genus †*Idiogenomys* Ostrander, 1983, incertae sedis
 - 07 Genus †*Veratalpa* Ameghino, 1905, incertae sedis
 - 08 Genus †*Neodesmostylus* Khomenko, 1927, incertae sedis
 - 09 [crown] Magnorder *Atlantogenata* Waddell, Cao, Hasegawa & Mindell, 1999
 - 1 [crown] Superorder *Afrotheria* Stanhope, Waddell, Madsen, de Jong, Hedges, Cleven, Kao & Springer, 1998
 - 1 [crown] Grandorder *Afroinsectiphilia* Waddell, Kishino & Ota, 2001
 - 1 [crown] Mirorder *Afroinsectivora* Waddell, Kishino & Ota, 2001
 - 1.1 [plesion] Family †*Chambilestidae* Gheerbrant & Hartenberger, 1999
 - 1.2 Order *Afrosoricida* Stanhope, 1998
 - 2 Order *Macroscelidea* Butler, 1956 - elephant shrews
 - 2 Order *Tubulidentata* Huxley, 1872 [coordinate rank] - aardvark
 - 2 [crown] Grandorder *Paenungulata* Simpson, 1945
 - 1.1 Order *Hyracoidea* Huxley, 1869 - hyraxes
 - 1.2 Clade *Behemota* McKenna, Bell & Shoshani 1997
 - 1.1 Order †*Embrithopoda* Andrews, 1906
 - 1.2 Order *Proboscidea* Owen, 1859 - elephants
 - 2 Order †*Desmostylia* Reinhart, 1953
 - 2 Order *Sirenia* Gill, 1872 - sea cows
 - 2 [crown] Superorder *Xenarthra* Cope, 1889
 - 1 Order *Cingulata* "Illiger, 1811" - armadillos
 - 2 Order *Pilosa* Flower, 1883 - sloths
 - 10 [crown] Magnorder *Boreoeutheria* Springer & de Jong, 2001
 - 1 Order †*Leptictida* McKenna, 1975, incertae sedis
 - 2 Order †*Anagalida* Szalay & McKenna, 1971, incertae sedis
 - 3 Order †*Dinocerata* Marsh, 1873, incertae sedis

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- 4 [crown] Superorder *Euarchontoglires* Murphy, Stanyon & O'Brien, 2001
 - 1.1 [plesion] Order †*Apatotheria* Scott & Jepsen, 1936
 - 1.2 [crown] Grandorder *Euarchonta* Waddell, Okada & Hasegawa, 1999
 - 1 [crown] Clade *Sundatheria* Olson, Sargis & Martin, 2005
 - 1 Order *Scandentia* Wagner, 1855 - tree shrews
 - 2 Order *Dermoptera* Dobson, 1883
 - 2 Order *Primates* Linnaeus, 1758 - primates
 - 2.1 [plesion] Order †*Arctostylopida* Cifelli, Schaff & McKenna, 1989
 - 2.2 [crown] Grandorder *Glires* Linnaeus, 1758
 - 1 Mirorder *Duplicidentata* "Illiger, 1811"
 - 1 Order †*Mimotonida* Li, Wilson, Dawson & Krishtalka, 1987
 - 2 Order *Lagomorpha* Brandt, 1855 - lagomorphs
 - 2 Mirorder *Simplicidentata* Weber, 1904
 - 1 Order †*Mixodontia* Sych, 1971
 - 2 Order *Rodentia* Bowdich, 1821 - rodents
 - 5 [crown] Superorder *Laurasiatheria* Waddell, Okada & Hasegawa, 1999
 - 1 Order *Eulipotyphla* Waddell, Okada & Hasegawa, 1999 [coordinate rank]
 - 2 [crown] Clade *Scrotifera* Waddell, Cao, Hauf & Hasegawa 1999
 - 1 Order *Chiroptera* Blumenbach, 1779 [coordinate rank] - bats
 - 2 [crown] Clade *Fereuungulata* Waddell, Cao, Hauf & Hasegawa 1999
 - 1.1.1 [plesion] Order †*Mesonychia* Matthew, 1937
 - 1.1.2 [crown] Grandorder *Euungulata* Waddell, Kishino & Ota, 2001
 - 1 Order *Cetartiodactyla* Montgelard, Catzeflis & Douzery, 1997
 - 2.1? [plesion] Genus †*Radinskya* McKenna, Chow, Ting & Luo, 1989
 - 2.2 Order *Perissodactyla* Owen, 1848 - odd-toed ungulates
 - 1.2.1 [plesion] Order †*Condylarthra* Cope, 1881
 - 1.2.2 Grandorder †*Meridiungulata* McKenna, 1975
 - 1 Genus †*Trilobodon* Roth, 1902, incertae sedis
 - 2 Genus †*Heterolophodon* Roth, 1903, incertae sedis
 - 3 Family †*Amilnedwardsiidae* Soria, 1984, incertae sedis
 - 4 Order †*Litopterna* Ameghino, 1889
 - 5.1 Order †*Astrapotheria* Lydekker, 1894
 - 5.2.1.1 Order †*Pyrotheria* Ameghino, 1895
 - 5.2.1.2 Order †*Xenungulata* Paula Couto, 1952
 - 5.2.2 Order †*Notoungulata* Roth, 1903
 - 2.1.1 [plesion, p.p.] Genus †*Protungulatum* Sloan & Van Valen, 1965
 - 2.1.2.1.1 [plesion, p.p.] Order †*Didelphodonta* McKenna, 1975
 - 2.1.2.1.2 [plesion, p.p.] Order †*Pantodonta* Cope, 1873
 - 2.1.2.2.1 [plesion, p.p.] Order †*Tillodontia* Marsh, 1875
 - 2.1.2.2.2 [plesion, p.p.] Order †*Arctocyonia* Van Valen, 1969
 - 2.2 [crown] Grandorder *Ferae* Linnaeus, 1758
 - 1 Clade *Pholidotamorpha* Gaudin, Emry & Wible 2009
 - 1 Order †*Palaeonodonta* Matthew, 1918
 - 2 Order *Pholidota* Weber, 1904 - pangolins
 - 2.1 Order †*Oxyaenodonta* Van Valen, 1971
 - 2.2.1 Order †*Hyaenodonta* Van Valen, 1967
 - 2.2.2 Clade *Carnivoramorpha* Wyss & Flynn, 1993
 - 1 [plesion] Family †*Viverravidae* Wortman & Matthew, 1899
 - 2 Clade *Carnivoraformes* Flynn, Finarelli & Spaulding 2010
 - 1 [stem] Family †*Miacidae* Cope, 1880
 - 1.n [crown] Order *Carnivora* Bowdich, 1821 - carnivores

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