



A World List of Mammalian Species

Third edition

G.B. Corbet & J.E. Hill

Illustrated by Ray Burrows

A World List of Mammalian Species

Third illustrated, edition

GB Corbet & JE Hill

This extensively revised edition is a complete, concise list of the living and recently extinct species of mammals of the entire world, based critically upon the most up-to-date regional works and research reports. Over 4300 species are listed, each with its scientific name, English name, distribution and some of the more frequently used synonyms. An extensive bibliography allows further details of any species in the list to be quickly found. Endangered and threatened species are indicated.

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Introduction

After birds, mammals are the group of animals whose diversity has been most intensively studied. But the attention of zoologists, whether concentrating on structure, ecology, behaviour or physiology, has been very unevenly distributed amongst the four thousand or so species that make up this assemblage. Some, like the chimpanzee, have had volumes devoted to every aspect of their structure and lives; at the other extreme species have been described on the basis of such flimsy evidence as to leave their very existence in doubt.

What is a mammalian species?

In devising a classification of mammals, or any other group of animals, the basic task is to detect, amongst the bewildering variety of individual animals, those genetically independent groups that we call species and that the animals themselves would recognize as constituting 'us' as distinct from 'them'. This concept of the species is not absolutely rigid and clear-cut but it is based upon the fact that individuals within a geographically coherent group show a degree of resemblance to each other that arises from a common ancestry and allows them to interbreed freely, thereby disseminating their characteristics within the group. The difference between members of such a species and members of the most closely related species occupying the same area may be conspicuous or obscure – it is the absence of intergradation rather than the magnitude of the difference that enables species to be defined. Given adequate information there is rarely difficulty in defining the species at any one locality, but the concept of the species becomes less precise when we consider geographically separated populations and have to speculate as to whether any differences between them are sufficiently slight that they would interbreed freely if reunited.

In some groups of mammals, for example the ungulates and carnivores, it is unlikely that many completely new species await discovery and our delimitation of known species is unlikely to change much. However some uncertainties are almost bound to remain since species are continually evolving and it is almost inevitable that some pairs of populations have diverged to just such an extent that it is rather arbitrary whether they are deemed to have crossed the species threshold and been irretrievably set upon separate evolutionary pathways. Amongst the antelopes for example the four principal forms of oryx in Africa and Arabia, all geographically isolated from each other, have at one extreme been considered races of a single species, *Oryx gazella*, but are more often treated as three species, as here (p.132), or even four.

Amongst the small mammals the situation is very different. Several completely new species, mainly bats and rodents, are discovered each year. Known species are sometimes found, on closer inspection, to comprise two or more separate but very similar species – 'sibling species' – whose genetical independence may sometimes be confirmed by the degree of difference in their chromosome complements or by biochemical studies. However, because these techniques cannot usually be applied to existing collections in museums, it frequently happens that the samples available for study are so small or so unrepresentative of the species as a whole that the results are equivocal and it may not be practicable to use them in compiling a list

such as this. On the other hand any such proliferation of known species tends to be counter-balanced by the discovery that other 'nominal species', i.e. forms that have been described and named as species on the basis of inadequate samples, are in fact only variants of other, better known, species.

The scope of the list

This book is an attempt to present a comprehensive list of all living species of mammals as far as current knowledge allows. Recently extinct species are also included, marked †, if their external appearance is known from preserved specimens, illustrations or descriptions, e.g. the quagga, an extinct zebra from southern Africa, but not if they are known only from skeletal remains. (An exception is made in the case of the beaked whale *Mesoplodon pacificus*, at present known only from two skulls but quite likely to be surviving.) A number of 'nominal species' are also omitted if it seems unlikely that they represent independent species even if they cannot be confidently allocated to a particular known species (usually because they are based on inadequate descriptions and the original specimens are lost or poorly preserved). The best place to find more information on any species is generally the most recent regional work, for example those listed on pages 213 to 215. For very few groups of mammals are there comprehensive descriptive works that ignore national frontiers.

Higher classification and sequence

It is not intended that this book should be considered an original source for the higher classification of mammals, i.e. classification above the level of genus. The classification used is based, like those in most recent compilations, on that of Simpson published in 1945 (see p.213), adapted to take account of more recent work. The result is a compromise between keeping a well-known classification in spite of the fact that subsequent work has shown some aspects of it to provide a poor indication of relationships, and recent alternatives that have not yet had time to be adequately tested. Ranks other than order, family and genus have been avoided except in the Chiroptera and in a few other cases where they are particularly clear-cut and usefully divide large groups, e.g. in the rodent family Muridae where subfamilies have been used.

We have likewise followed the *sequence* used by Simpson unless the requirements of a more recent classification have directed otherwise. At the level of the orders we have adopted the principal conclusions of the phylogenetic classification of McKenna (see p.213) but have minimized changes of sequence and rank. The main effect of this is to separate the order Edentata from the rest of the placental mammals and within the remainder to recognize the Macroscelidea and the Lagomorpha as comprising a pair of distinctive groups. There are severe limits on the extent to which a linear sequence can reflect the tree of relationships uniting a multitude of groups. We have therefore adopted a simple alphabetical sequence of species within each genus. This has the disadvantage of separating many closely related species but any simple alternative could equally mislead in implying, by juxtaposition, affinities that were not intended. The disadvantages of a non-alphabetical arrangement of genera and higher categories are alleviated by the provision of an index.

Number of species

In quoting the number of species in an order or family the form 'c. 23 species' is generally used, meaning that the number of species *listed* is exactly 23 but that there is sufficient uncertainty about the status or content of some of them to make it likely that this number will be revised as the species become better known, or will remain unstable because of species that are marginally distinct. Absence of the 'c.' implies that the species are clearly defined and the number is unlikely to change.

Nomenclature

No authors nor dates are given with the scientific names – these can be found in the checklist by Honacki *et al.* (see p.213) and in many of the other references quoted. Except when dealing with problems of nomenclature, or with recently described species, it is usually quite unnecessary to quote the author or date of the name of a mammal. Again with the exception of recently described species, the original citation is rarely the best place to go to find a useful description of the species.

The name of the genus is followed, in parenthesis, by any synonyms that are frequently used in recent literature. Zoologists should note that these 'synonyms' are simply alternative generic names that are commonly used for all or any of the species listed in the genus – it is not necessarily implied that they are formal junior synonyms of the generic names used. The same applies to synonyms of species names – these most often represent forms that have recently been considered separate species but are here included in the other, earlier-named, species. For example on p.172 '*Gerbillus (Dipodillus, Monodia)*' indicates that some of the species listed under *Gerbillus* have at times been placed in separate genera *Dipodillus* or *Monodia* (which are not listed here as accepted genera). On page 174 '*Gerbillurus (Gerbillus)*' indicates that the species here listed under the genus *Gerbillurus* have at times been included in the preceding genus *Gerbillus*.

Vernacular names, in English only, are given if they are well established or if they are used in a major work on the region or group concerned. We have invented a few names, especially in cases where an obvious name suggested itself by analogy with a related species that already had an accepted English name. We have also enlarged some well established names to make them unique, e.g. Eurasian red squirrel, without implying that the expanded version need always be used. However, many vernacular names, especially of bats and rodents, are only unambiguous when used in a local context.

Geographical range

The aim has been to be as precise as possible within the severe limitations of space, helped in many cases by an indication of the vegetation zone or zones concerned. Small islands are generally ignored unless they comprise a particularly significant part of the range. The form 'Uganda, etc.' is used to mean that the range is centred on Uganda but extends slightly into adjacent countries. In south-eastern Asia the expression 'Burma – Java' implies presence in Malaya and Sumatra but not Borneo and Philippines unless these are specifically mentioned. Parentheses () are used to indicate a minor component of the range, especially in the case of genera or higher groups. For example in the case of the opossums of the family Didelphidae 'S, C America, (N America)' reflects the fact that there are many species in south and

central America but only one in north America. Brackets [] indicate populations introduced by man, but are generally used only in the case of very extensive and well established populations remote from the original range, e.g. coypus introduced from South America into Eurasia and European rabbits in Australia. Introductions are ignored in giving the range of higher groups. In the case of a species in which a major diminution of range over the last hundred years or so has been well documented current range is given but areas formerly occupied are indicated where practicable. No attempt has however been made to indicate earlier ranges known only from fragmentary information or subfossil remains. Extinct species are marked † against the scientific name as well as 'extinct' following the range.

Habitat and ecology

This information is not intended to be comprehensive but is used especially to define the range more precisely. Where habitat is constant for a genus or higher group it is not repeated under each species. Expressions such as 'forest' or 'steppe' are intended to define the gross biotic zone that the species occupies rather than the habitat selected by individuals. Generalized descriptive terms for structural vegetation types are used in preference to those with local or floristic connotations, e.g. 'scrub' rather than 'chaparral'. The principal terms used for vegetation types can be defined as follows:

Forest – dominated by trees. Qualified as closed, open, rain, dry, deciduous, evergreen, coniferous.

Woodland – sometimes used here for open forest but generally avoided because of ambiguity. It can also mean secondary forest or small scattered segments of forest.

Scrub – closed shrub vegetation.

Savanna – closed grassland (long or short) with scattered trees.

Steppe – open grassland, herb or dwarf shrub (i.e. bare ground between plants).

Desert – bare ground predominating.

Terms such as 'arboreal' and 'subterranean' are self-explanatory – the latter implies that the animals find most of their food underground and is not used merely to indicate the construction of burrows for shelter. 'Terrestrial' is used to mean living mainly on the ground surface in contrast to 'arboreal' and 'subterranean' as well as to 'aquatic'.

Feeding habits are generally given for higher categories rather than for individual species and then only if they are reasonably constant for the group.

Sources and references

The reference numbers refer to the bibliographies on pages 216 to 231. Since the major sources of information are generally works covering all groups of mammals in a limited geographical region, these are listed in a separate bibliography (p.213) and are not referred to in the text of the list. It can generally be assumed that the principal authority for the recognition of a particular species is the most recent publication in the appropriate geographical bibliography, unless there is in the text of the list a reference to a work dealing with the particular species or higher taxonomic group. Particular attention has been paid to documenting the source for

species that are not listed by Honacki *et al.* (p.213), nor in the latest regional works, and to providing references to the original descriptions of genera and species that have been newly described and named during the last ten years (as distinct from those that have simply been reinstated as species).

These references are intended primarily to indicate sources where further detail and justification can be found for the acceptance of the species included in the list, e.g. in deciding such issues as whether three named forms should be considered as belonging to one species or to three separate species. They have not necessarily been followed with regard to other aspects such as nomenclature and higher classification. The bibliographies also contain supplementary sources, not referred to in the text, which provide useful additional information but have not been used as authorities for the recognition of species.

Endangered species

For those species that are listed in the *IUCN red book of threatened animals* (see bibliography, p. 213) the entry is concluded by a letter indicating the category used in the IUCN list. These are as follows:

- E Endangered
- V Vulnerable
- R Rare
- I Indeterminate (known to be E, V or R)
- K Insufficiently known (but suspected of qualifying for E, V or R)
- T Threatened (comprises subspecies or populations with different status)

Enclosure of a letter in parentheses () indicates that it refers to only part of a species, e.g. a particular subspecies or a particular part of the range.

Domesticated mammals

The naming of domesticated animals and their wild ancestors is confused. On the one hand, both wild and domesticated forms have generally been given separate formal scientific names (e.g. *Canis lupus* for the wolf and *Canis familiaris* for the dog). But it has also been argued that because wild and domestic forms are normally interfertile they should be considered as belonging to the same species. In this case the valid name for the species may be that given originally to the wild form or to the domestic form, depending upon which was the first to be proposed. This leads to many confusing anomalies that conflict with general usage and various proposals have been made to resolve the problem. None has found general acceptance.

The solution followed here is to consider that since clearly distinguishable domesticated forms do not in fact interbreed with the wild species to the extent of losing their separate identity (even although they are potentially capable of doing so), they should not be considered a part of the ancestral wild species and consequently the names applied to domesticated forms should not be used as the names of the wild species. Only the wild species are listed here, but any domesticated derivatives are noted after the range. Names based on domesticated forms are given as synonyms in the first column only when they have frequently been used to include the wild species. An exception is made only in the case of the dromedary which is included in the list since no distinct ancestral species is known.

For a more detailed account of the nomenclature of domesticated animals see the appendix in *Evolution of domesticated animals* edited by I.L. Mason (Longman, 1984).

Extinct species

The 27 extinct species listed below are also included in the main list marked †. Although extinction is all-or-nothing from the point of view of the species concerned, our knowledge of which species are extinct is much less precise. If an inconspicuous species has only ever been found on a few occasions how long should one wait after the last report before considering it likely to be extinct? Hopefully some of these may yet be discovered alive; but it is also possible that many more should already be on the list if we but knew.

Note that these are all species that have been known 'in the flesh'—neither this nor the main list includes species known only from fossil or subfossil skeletal remains.

<i>Thylacinus cynocephalus</i>	Thylacine
<i>Perameles eremiana</i>	Desert bandicoot
<i>Chaeropus ecaudatus</i>	Pig-footed bandicoot
<i>Macrotis lecura</i>	Lesser rabbit-bandicoot
<i>Potorous platyops</i>	Broad-faced potoroo
<i>Caloprymnus campestris</i>	Desert rat-kangaroo
<i>Lagorchestes leporides</i>	Eastern hare-wallaby
<i>Macropus greyi</i>	Toolache wallaby
<i>Pteropus subniger</i>	Lesser Mascarene flying fox
<i>Pteropus tokudae</i>	Guam flying fox
<i>Phyllonycteris major</i>	Puerto Rican flower bat
<i>Mystacina robusta</i>	New Zealand greater short-tailed bat
<i>Dusicyon australis</i>	Falkland Island wolf
<i>Monachus tropicalis</i>	Caribbean monk seal
<i>Hydrodamalis gigas</i>	Steller's sea cow
<i>Equus quagga</i>	Quagga
<i>Cervus schomburgki</i>	Schomburgk's deer
<i>Hippotragus leucophaeus</i>	Blue buck
<i>Gazella rufina</i>	Red gazelle
<i>Oryzomys victus</i>	St Vincent rice rat
<i>Nesoryzomys darwini</i>	} Galapagos rats
<i>Nesoryzomys indeffesus</i>	
<i>Nesoryzomys swarthi</i>	
<i>Pitymys bavaricus</i>	Bavarian pine vole
<i>Rattus macleari</i>	} Christmas Island rats
<i>Rattus nativitatis</i>	
<i>Crateromys paulus</i>	Ilin bushy-tailed cloud rat

Distribution of mammalian orders by zoogeographical region

This table shows the approximate number of species of each order of mammals in each of the major zoogeographical regions. It is limited to species that occur primarily or extensively in the region concerned. The numbers are approximate:

	<i>Palearctic</i>	<i>Nearctic</i>	<i>Neotropical</i>	<i>Afrotropical</i>	<i>Indomalayan</i>	<i>Australasian</i>
Monotremata						3
Marsupialia		1	82		2	195
Xenarthra		1	29			
Insectivora	66	48	10	155	52	
Scandentia					16	
Dermoptera					2	
Chiroptera	61	50	232	175	251	127
Primates	2		64	81	52	
Carnivora	38	30	47	72	65	
Proboscidea				1	1	
Perissodactyla	3		3	5	4	
Hyracoidea	1			8		
Tubulidentata				1		
Artiodactyla	39	11	15	76	34	
Pholidota				4	3	
Rodentia	239	200	450	265	304	115
Lagomorpha	25	15	5	11	6	
Macroscelidea	1			14		
Total	475	356	937	868	792	440

species confined to transitional areas have been ignored; species extending marginally into a region from their principal region have been ignored; those that occur extensively in more than one region are counted for each; oceanic islands have been ignored.

The regions are defined roughly as follows:

Palearctic: Europe, Asia north of the Himalayas and central China, Africa north of the Sahara.

Nearctic: N America north of central Mexico.

Neotropical: Central and South America.

Afrotropical: Africa south of the Sahara, including Madagascar.

Indomalayan: SE Asia from the Himalayas and central China to the Philippines and Sulawesi.

Australasia: Australia, New Guinea and adjacent islands.

Authorship

In compiling the list the bats (order Chiroptera) have been dealt with by J.E. Hill and the other orders by G.B. Corbet.

Note on the third edition

In bringing the list up to date we have concentrated on adding or deleting species according to recently published research. These changes result from the publication of taxonomic revisions and new or revised regional compilations, and from the description of new species, resulting in a net increase of 93 species. Changes at higher levels of classification have been kept to a minimum. Many aspects of the higher classification used here (i.e. at the level of genus, family and order as distinct from the delimitation of species) are becoming increasingly out of date. However, much of the recent research in this field, using for example biochemical and numerical methods, has not been sufficiently comprehensive to permit the allocation of all known members of the group to the new classification, or has resulted in classifications that are only marginally more likely to reflect phylogenetic relationships than the existing one, or indeed than many other alternatives. There is therefore a need for a period of consolidation and testing before such revisions can be usefully incorporated into a list such as this.

Some changes in the insectivores (Insectivora), tree shrews (Scandentia), rodents (Rodentia) and bats (Chiroptera) of the Indomalayan region result from a more detailed review of the mammals of that region that we are currently preparing.

The World List of Mammalian Species

ORDER MONOTREMATA

Monotremes; 3 species; Australia, New Guinea; terrestrial and aquatic predators, mainly on invertebrates.

Family Tachyglossidae

Spiny anteaters (echidnas); 2 species; Australia, New Guinea; terrestrial insectivores.



Short-nosed echidna
(*Tachyglossus*)

Tachyglossus

T. aculeatus

Short-nosed echidna

Australia, Tasmania,
SE New Guinea;
steppe, forest

Zaglossus

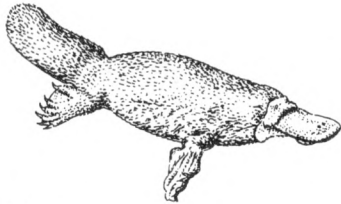
Z. bruijnii
(*bartoni*)

Long-nosed echidna

New Guinea; forest; V

Family Ornithorhynchidae

One species; a freshwater predator.



Platypus
(*Ornithorhynchus*)

Ornithorhynchus

O. anatinus

Platypus

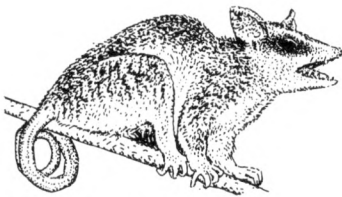
E Australia, Tasmania

ORDER MARSUPIALIA

Marsupials; *c.* 282 species; Australia, New Guinea, (Sulawesi), S America, C America, (N America); all terrestrial habitats; herbivores and predators; ref. 1.1.

Family Didelphidae

American opossums; *c.* 75 species; S, C America, (N America); mainly forest; predators and omnivores.



Mouse opossum
(*Marmosa murina*)

Marmosa; mouse-opossums; S, C America; forest, grassland.

M. andersoni

Peru

M. canescens

Greyish mouse-opossum

S Mexico

M. cracens

Venezuela

M. fuscata

Colombia, W Venezuela,

(*carri*)

Trinidad

M. handleyi

Colombia; ref. 1.12

M. impavida

Pale mouse-opossum

E Panama – Peru, W
Brazil

M. incana

E Brazil

M. invicta

Panama mouse-opossum

Panama

<i>M. janetta</i>		W Paraguay, Bolivia; ref. 1.17
<i>M. leucastra</i>		N Peru
<i>M. mexicana</i>	Mexican mouse-opossum	Mexico – Panama
<i>M. murina</i>		Tropical S America, Tobago
<i>M. noctivaga</i>		Tropical S America
<i>M. ocellata</i>		Bolivia
<i>M. parvidens</i>		Brazil, Peru – Surinam, Colombia
<i>M. quichua</i>		E Peru
<i>M. robinsoni</i> (<i>mitis</i>)		Belize – NW South America, Trinidad, Tobago, Grenada
<i>M. rubra</i>		E Ecuador, S Peru
<i>M. scapulata</i>		SE Brazil
<i>M. tyleriana</i>		Venezuela
<i>M. xerophila</i>		Venezuela, Colombia
<i>M. yungasensis</i>		W Bolivia – Ecuador
<i>Micoureus</i> ; (<i>Marmosa</i>); ref. 1.17.		
<i>M. alstoni</i> (<i>cinerea</i>)		Colombia – Honduras
<i>M. cinerea</i>		N Argentina – Colombia
<i>M. constantiae</i>		C Brazil – N Argentina
<i>M. domina</i>		Amazonian Brazil
<i>M. germana</i>		E Ecuador, Peru
<i>M. mapirensis</i>		Bolivia, Peru
<i>M. phaea</i>		W Colombia, W Ecuador
<i>M. rapposa</i>		SE Peru, NE Bolivia
<i>M. regina</i>		Colombia
<i>Thylamys</i> ; (<i>Marmosa</i>); ref. 1.27		
<i>T. elegans</i>		NW Argentina, Bolivia, Peru, Chile
<i>T. grisea</i>		Paraguay
<i>T. karimii</i>		C Brazil
<i>T. lepida</i>		Amazon Basin, Surinam
<i>T. pusilla</i>		Argentina, Bolivia, Paraguay
<i>T. tatei</i>		Peru
<i>T. velutina</i>		SE Brazil
<i>Gracilinanus</i> ; (<i>Marmosa</i>); ref. 1.28.		
<i>G. aceramarcae</i>		Bolivia
<i>G. agilis</i>		Central S America
<i>G. dryas</i>		W Venezuela, E Colombia
<i>G. emiliae</i>		E Brazil

<i>G. marica</i>		N Venezuela; montane
<i>G. microtarsus</i>		SE Brazil, NE Argentina
Monodelphis ; short-tailed opossums; S, C America; forest, savanna.		
<i>M. adusta</i>	Cloudy short-tailed opossum	Panama – Peru
<i>M. americana</i>	Three-striped short-tailed opossum	Guianas, Brazil, NE Argentina
<i>M. brevicaudata</i> (<i>touan</i>)	Seba's short-tailed opossum	Colombia – Surinam – N Argentina; forest
<i>M. dimidiata</i>	Eastern short-tailed opossum	S Brazil, Uruguay, Argentina
<i>M. domestica</i>	Grey short-tailed opossum	E, C Brazil – N Argentina
<i>M. emiliae</i>		Amazon Basin; ref. 1.3
<i>M. henseli</i>	Hensel's short-tailed opossum	S Brazil – N Argentina
<i>M. iheringi</i>		S Brazil
<i>M. kunsii</i>		N Bolivia; lowland forest
<i>M. maraxina</i>		Amazon delta
<i>M. orinoci</i>		Venezuela, etc.; savanna
<i>M. osgoodi</i> (<i>adusta</i>)	Osgood's short-tailed opossum	W Bolivia, S Peru
<i>M. scalops</i>	Red-headed short-tailed opossum	E Brazil, N Argentina; ref. 1.4
<i>M. sorex</i>	Soricine short-tailed opossum	S Brazil
<i>M. theresa</i> (<i>americana</i>)		E Brazil
<i>M. umbristriata</i>		E Brazil
<i>M. unistriata</i>	One-striped short-tailed opossum	SE Brazil
Lestodelphys		
<i>L. halli</i>	Patagonian opossum	S Argentina; grassland
Metachirus ; (<i>Philander</i>)		
<i>M. nudicaudatus</i>	Brown four-eyed opossum	Nicaragua – N Argentina
Didelphis ; large American opossums; S, C, N America.		
<i>D. albiventris</i> (<i>azarae</i>)		S America (mainly west)
<i>D. marsupialis</i> (<i>azarae</i>)		E Mexico – N Argentina, L Antilles
<i>D. virginiana</i>	Virginian opossum	N Costa Rica – SE Canada
Philander ; (<i>Metachirops</i>)		
<i>P. mcilhennyi</i>		E Peru; dry forest
<i>P. opossum</i>	Grey four-eyed opossum	E Mexico – N Argentina; forest



Virginian opossum
(*Didelphis virginiana*)

Lutreolina

- L. crassicaudata* Little water opossum C Argentina – Bolivia – SE Brazil, Guianas, Venezuela; freshwater margins in forest & savanna

Chironectes

- C. minimus* Yapok (Water opossum) S Mexico – N Argentina; freshwater margins

Caluromys; woolly opossums; S, C America; forest.

- C. derbianus* S Mexico – Ecuador
C. lanatus N, C South America
C. philander N South America – N Argentina

Caluromysiops

- C. irrupta* Black-shouldered opossum Peru, Colombia, W Brazil; forest; ref. 1.29

Glironia; bushy-tailed opossums; W South America; forest.

- G. venusta* Peru, Ecuador, N Bolivia
 (*criniger*)

Family Microbiotheriidae

One species; (many fossil species)

Dromiciops

- D. australis* Colocolos S, C Chile, W Argentina; forest; arboreal insectivore

Family Caenolestidae

Shrew-opossums (rat-opossums); *c.* 7 species; Andes from Venezuela to Chile; montane forest and grassland; terrestrial insectivores; ref. 1.25.

Caenolestes; (*Lestoros*)

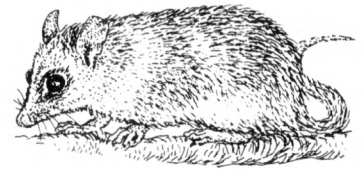
- C. caniventer* SW Ecuador
C. comelatus N Ecuador, Colombia
C. fuliginosus Colombia, N Peru
 (*obscurus*)
 (*tatei*)
C. gracilis Peru
C. inca S Peru

Rhyncholestes

- R. continentalis* C Chile
R. raphanurus Chiloe Is, Chile



Yapok
(*Chironectes*)



Colocolos
(*Dromiciops australis*)



Rat opossum
(*Caenolestes fuliginosus*)

Family **Dasyuridae**

Marsupial mice, marsupial cats, etc. ; c. 61 species; Australia, New Guinea; desert to forest; carnivores and insectivores.



Fat-tailed marsupial mouse
(*Parantechinus macdonnellensis*)

Murexia; New Guinea; forest.

<i>M. longicaudata</i>	Short-haired marsupial mouse	New Guinea
<i>M. rothschildi</i>	Broad-striped marsupial mouse	E New Guinea

Neophascogale

<i>N. lorentzii</i>	Long-clawed marsupial mouse	New Guinea; montane forest
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Phascosorex; New Guinea; montane.

<i>P. doriae</i>	Red-bellied marsupial mouse	W New Guinea
<i>P. dorsalis</i>	Narrow-striped marsupial mouse	New Guinea

Myoictis

<i>M. melas</i>	Three-striped marsupial mouse	New Guinea; lowland forest
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Planigale; planigales; Australia, New Guinea; savanna, steppe.

<i>P. gilesi</i>	Paucident planigale	EC Australia
<i>P. ingrami</i> (<i>subtilissima</i>)	Long-tailed planigale (Ingram's planigale)	N Australia
<i>P. maculata</i>	Common planigale (Pygmy planigale)	N, NE Australia
<i>P. novaeguineae</i>	Papua marsupial mouse	E, C New Guinea
<i>P. tenuirostris</i>	Narrow-nosed planigale	E, S Australia

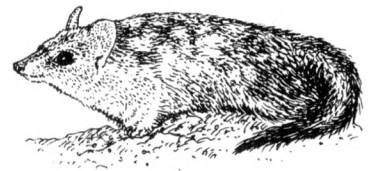
Antechinus; marsupial mice; Australia, New Guinea.

<i>A. bellus</i>	Fawn antechinus	N Australia; savanna
<i>A. flavipes</i>	Yellow-footed antechinus	E, S, SW Australia
<i>A. godmani</i>	Atherton antechinus	NE Queensland; forest
<i>A. leo</i>	Cinnamon antechinus	N Queensland; ref. 1.13
<i>A. melanurus</i>	Black-tailed antechinus	New Guinea; forest
<i>A. minimus</i>	Swamp antechinus	SE Australia, Tasmania; grassland
<i>A. naso</i>	Long-nosed antechinus	W New Guinea; montane
<i>A. stuartii</i>	Brown antechinus	E Australia; forest, woodland
<i>A. swainsonii</i>	Dusky antechinus	E Australia, Tasmania; forest
<i>A. wilhelmina</i>	Lesser antechinus	New Guinea; montane

Parantechinus; (*Antechinus*, *Pseudantechinus*, *Dasykaluta*); Australia; ref. 1.16.

<i>P. apicalis</i>	Dibbler	SW Australia; scrub; I
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<i>P. bilarni</i>	Sandstone antechinus (Harney's marsupial mouse)	N Australia
<i>P. macdonnellensis</i>	Fat-tailed antechinus (Red-eared antechinus)	C Australia; rocky hills
<i>P. ningbing</i>		NW Australia
<i>P. rosamondae</i>	Little red antechinus	W Australia; grassland
<i>P. woolleyae</i>		W Australia; ref. 1.21
Phascogale		
<i>P. calura</i>	Red-tailed phascogale (Red-tailed wambenger)	SW, († C, SE) Australia; dry woodland; I
<i>P. tapoatafa</i>	Brush-tailed phascogale (Tuan) (Common wambenger)	Australia
Dasyercus (Dasyuroides)		
<i>D. byrnei</i>	Kowari	C Australia; desert, grassland
<i>D. cristicauda</i>	Mulgara	C Australia; desert, grassland
Dasyurus; (Satanellus); quolls, marsupial cats; Australia, New Guinea; forest, woodland.		
<i>D. albopunctatus</i>	New Guinea marsupial cat	New Guinea; forest
<i>D. geoffroii</i>	Western quoll (Chuditch)	W († N, E) Australia, C New Guinea; woodland
<i>D. hallucatus</i>	Northern quoll (Satanellus)	NE, N, NW Australia
<i>D. maculatus</i>	Tiger quoll	E, SE Australia, Tasmania
<i>D. spartacus</i>	Bronze quoll	S New Guinea; ref. 1.22
<i>D. viverrinus</i>	Eastern Quoll	SE Australia?, Tasmania
Sarcophilus		
<i>S. harrisi</i>	Tasmanian devil	Tasmania; dry forest
Ningauai; Australia; desert; ref. 1.5.		
<i>N. ridei</i>	Wongai ningauai	W, C Australia
<i>N. timealeyi</i>	Pilbara ningauai	NW Australia
<i>N. yvonneae</i>		SW, S, SE Australia
Sminthopsis; (Antechinomys); dunnarts; Australia, S New Guinea.		
<i>S. aitkeni</i> (<i>murina</i>)		S Australia; ref. 1.6
<i>S. archeri</i>	Chestnut dunnart	New Guinea, N Queensland; ref. 1.24
<i>S. butleri</i>	Carpentarian dunnart	N Australia
<i>S. crassicauda</i>	Fat-tailed dunnart	Australia; grassland, woodland
<i>S. dolichura</i> (<i>murina</i>)		SW, S Australia; ref. 1.6



Northern quoll
(*Dasyurus hallucatus*)

<i>S. douglasi</i>	Julia Creek dunnart	C Queensland; I
<i>S. fuliginosus</i>		SW Australia
<i>S. gilberti</i> (<i>murina</i>)		SW Australia; ref. 1.6
<i>S. granulipes</i>	White-tailed dunnart	SW Australia; woodland, scrub
<i>S. griseoventer</i> (<i>murina</i>)		SW Australia; ref. 1.6
<i>S. hirtipes</i>	Hairy-footed dunnart	W, C Australia; desert
<i>S. leucopus</i>	White-footed dunnart	SE Australia, N Queensland, Tasmania; forest; ref. 1.23
<i>S. longicaudata</i>	Long-tailed dunnart	W Australia; K
<i>S. macroura</i>	Stripe-faced dunnart (Darling Downs dunnart)	E Australia
<i>S. murina</i>	Common dunnart	E Australia; forest; ref. 1.6
<i>S. ooldea</i>	Ooldea dunnart	S, C Australia
<i>S. psammophila</i>	Sandhill dunnart	C, S Australia; desert grassland; K
<i>S. virginiae</i> (<i>rufigenis</i>)	Red-cheeked dunnart	N Australia, S New Guinea; forest, scrub
<i>S. youngsoni</i>	Lesser hairy-footed dunnart	NW Australia; desert; ref. 1.7

***Antechinomys*; (*Sminthopsis*)**

<i>A. laniger</i> (<i>spenceri</i>)	Kultarr (Wuhl-wuhl)	E, W, C Australia; savanna, steppe
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Family Myrmecobiidae

One species.

Myrmecobius

<i>M. fasciatus</i>	Numbat (Banded anteater)	SW († S, SE) Australia; dry forest, woodland; E
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Family Thylacinidae

One species.

Thylacinus

<i>T. cynocephalus</i> †	Thylacine (Tasmanian wolf)	Tasmania; woodland; ? extinct
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Family Notoryctidae

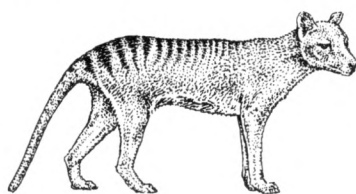
One species.

Notoryctes

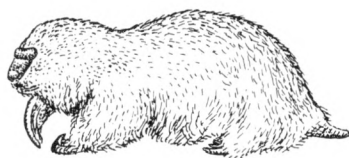
<i>N. typhlops</i>	Marsupial mole	S, W Australia; desert
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Numbat
(*Myrmecobius*)



Thylacine
(*Thylacinus*)



Marsupial mole
(*Notoryctes typhlops*)

Family Peramelidae

Bandicoots; 18 species; Australia, New Guinea; forest, (grassland).

Peroryctes; New Guinea bandicoots; New Guinea.

<i>P. broadbentii</i>	Giant bandicoot	SE New Guinea; (in <i>P. raffrayanus</i> ?)
<i>P. longicauda</i>	Striped bandicoot	New Guinea
<i>P. papuensis</i>	Papuan bandicoot	SE New Guinea
<i>P. raffrayanus</i>	Raffray's bandicoot	New Guinea



Golden bandicoot
(*Isoodon auratus*)

Microperoryctes

<i>M. murina</i>	Mouse-bandicoot	W New Guinea
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Perameles; long-nosed bandicoots; Australia.

<i>P. bougainville</i> (<i>fasciata</i>)	Western Barred bandicoot (Marl)	Bernier & Dorre Is, W Australia, † mainland Australia; R
<i>P. eremiana</i> †	Desert bandicoot	C Australia; desert grassland; ? extinct
<i>P. gunnii</i>	Eastern barred bandicoot (Gunn's bandicoot)	SE Australia, Tasmania; woodland
<i>P. nasuta</i>	Long-nosed bandicoot	E Australia; forest, woodland

Echymipera; spiny bandicoots; New Guinea, Australia.

<i>E. clara</i>	White-lipped bandicoot	W New Guinea; R
<i>E. kalubu</i>	Spiny bandicoot	New Guinea
<i>E. rufescens</i>	Rufous spiny bandicoot (Rufescent bandicoot)	New Guinea, N Queensland; forest

Rhynchomeles

<i>R. prattorum</i>	Seram bandicoot	Seram, Indonesia
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Isoodon; short-nosed bandicoots; Australia, S New Guinea; ref. 1.8.

<i>I. arnhemensis</i>		N Australia
<i>I. auratus</i> (<i>barrowensis</i>)	Golden bandicoot	W, N, († C) Australia
<i>I. macrourus</i>	Northern brown bandicoot (Brindled bandicoot)	NE, N Australia, S New Guinea
<i>I. obesulus</i> (<i>nauticus</i>) (<i>peninsulae</i>)	Southern brown bandicoot	SE, SW Australia, N Queensland, Tasmania

Chaeropus

<i>C. ecaudatus</i> †	Pig-footed bandicoot	SW, S Australia; woodland, scrub, grassland; ? extinct
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Common rabbit bandicoot
(*Macrotis lagotis*)



Brushtail possum
(*Trichosurus vulpecula*)

Family Thylacomyidae

Rabbit-bandicoots; 2 species; Australia.

Macrotis

<i>M. lagotis</i>	Bilby (Common rabbit-bandicoot)	C, NW Australia; woodland, savanna; E
<i>M. leucura</i> †	Lesser bilby (Lesser rabbit-bandicoot)	C Australia; sandhills; ? extinct

Family Phalangeridae

Phalangers; 21 species; Australia, New Guinea, Sulawesi; forest.

Trichosurus; (*Wyulda*) Australia; forest, woodland.

<i>T. arnhemensis</i>	Northern brushtail possum	NW Australia
<i>T. caninus</i>	Mountain brushtail possum (Bobuck)	E Australia; montane forest
<i>T. squamicaudata</i>	Scaly-tailed possum	NW Australia; woodland; ref. 1.26
<i>T. vulpecula</i>	Common brushtail possum	Australia, Tasmania, [New Zealand]

Phalanger; cuscuses; N Australia; New Guinea, Sulawesi; forest, scrub.

<i>P. carmelitae</i> (<i>orientalis</i>)		New Guinea; montane
<i>P. gymnotis</i>	Aru Island ground cuscus	Aru Is (SW New Guinea)
<i>P. interpositus</i> (<i>orientalis</i>)	Stein's cuscus	New Guinea
<i>P. leucippus</i>	New Guinea ground cuscus	New Guinea
<i>P. lullulae</i> (<i>orientalis</i>)	Woodlark Island cuscus	Woodlark I, New Guinea; E
<i>P. matanim</i>		W New Guinea; montane; ref. 1.18
<i>P. orientalis</i>	Grey cuscus (Common phalanger)	N Queensland, New Guinea, S Moluccas, Solomon Is
<i>P. ornatus</i>	Moluccan cuscus	N Moluccas
<i>P. pelengensis</i>	Peleng Island cuscus	Peleng & Taliabu Is (E of Sulawesi)
<i>P. permixtio</i>		E New Guinea; ref. 1.19; R
<i>P. rothschildi</i>	Rothschild's cuscus	Obi I (Moluccas)
<i>P. vestitus</i>	Silky cuscus	New Guinea; R

Stigocuscus; (*Phalanger*).

<i>S. celebensis</i>	Little Celebes cuscus	Sulawesi
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***Spilocuscus*; (Phalanger).**

<i>S. maculatus</i>	Spotted cuscus (Common phalanger)	N Queensland, New Guinea, Moluccas
<i>S. papuensis</i>	Waigeo spotted cuscus	Waigeo I, W New Guinea
<i>S. rufoniger</i> (<i>atrimaculatus</i>)	Black-spotted cuscus	N New Guinea; R

***Ailurops*; (Phalanger).**

<i>A. ursinus</i>	Bear cuscus (Large Celebes cuscus)	Sulawesi etc.
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Family Burramyidae

Pygmy possums; 7 species; Australia, New Guinea; forest; insectivores, nectar-feeders.

***Cercartetus*; (Eudromicia); dormouse-possums.**

<i>C. caudatus</i>	Long-tailed pygmy possum	NE Queensland, New Guinea; forest
<i>C. concinnus</i>	Western pygmy possum	SW, S, SE Australia; dry forest
<i>C. lepidus</i>	Little pygmy possum (Tasmanian pygmy possum)	Tasmania, Victoria, Kangaroo I, (S Australia); dry forest
<i>C. nanus</i>	Eastern pygmy possum	SE Australia, Tasmania; forest



Little pygmy possum
(*Cercartetus lepidus*)

Distoechurus

<i>D. pennatus</i>	Feathertailed possum	New Guinea; montane forest
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Acrobates

<i>A. pygmaeus</i>	Flying mouse (Pygmy glider) (Feathertail glider)	E, SE Australia; dry forest
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Burramys

<i>B. parvus</i>	Mountain pygmy possum	Victoria, New South Wales
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Family Petauridae

Ringtails, ringtail possums, gliding phalangers; c. 23 species; Australia, New Guinea; forest.

Gymnobelideus

<i>G. leadbeateri</i>	Leadbeater's possum	Victoria; wet forest; V
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Petaurus

<i>P. abidi</i>	Northern glider	NC New Guinea; ref. 1.14
<i>P. australis</i>	Yellow-bellied glider (Fluffy glider)	E Australia; coastal montane forest



Common ringtail
(*Pseudocheirus peregrinus*)

<i>P. breviceps</i>	Sugar glider	E, N Australia, New Guinea, N Moluccas; [Tasmania]
<i>P. norfolcensis</i>	Squirrel glider	E Australia
<i>Pseudocheirus</i> ; ringtails; Australia, New Guinea; forest.		
<i>P. albertisii</i>	D'Albertis' ringtail	W New Guinea
<i>P. canescens</i>	Lowland ringtail	New Guinea
<i>P. caroli</i>	Weyland ringtail	W New Guinea
<i>P. corinnae</i>	Eastern ringtail	New Guinea; montane forest
<i>P. cupreus</i>	Coppery ringtail	New Guinea; montane forest
<i>P. forbesi</i>	Moss-forest ringtail	New Guinea; montane forest
<i>P. herbertensis</i>	Herbert River ringtail (Mongan)	NE Queensland; rain forest
<i>P. mayeri</i>	Pygmy ringtail	New Guinea; montane forest
<i>P. peregrinus</i>	Common ringtail possum	E, SW Australia, Tasmania; forest
<i>P. schlegeli</i>	Arfak ringtail	W New Guinea
<i>Hemibelideus</i> ; (<i>Pseudocheirus</i>)		
<i>H. lemuroides</i>	Brushy-tailed ringtail (Lemuroid ringtail)	NE Queensland; rain forest
<i>Pseudopseudes</i> ; (<i>Pseudocheirus</i>)		
<i>P. dahli</i>	Rock-haunting ringtail	N, NW Australia; rocks in savanna
<i>Pseudochirops</i> ; (<i>Pseudocheirus</i>)		
<i>P. archeri</i>	Green ringtail	NE Queensland; rain forest
<i>Petauroides</i> ; (<i>Schoinobates</i>); ref. 1.9.		
<i>P. volans</i>	Greater glider	E Australia; forest
<i>Dactylopsila</i> ; (<i>Dactylonax</i>); striped possums; New Guinea, (Australia); forest.		
<i>D. megalura</i>	Large-tailed possum	W New Guinea
<i>D. palpator</i>	Long-fingered possum	E New Guinea
<i>D. tatei</i>	Fergusson striped possum	Fergusson I (E of New Guinea)
<i>D. trivirgata</i>	Common striped possum	New Guinea, NE Queensland

Family Potoroidae

Rat-kangaroos, potoroos, bettongs; c. 10 species; Australia.

Hypsiprymnodon

<i>H. moschatus</i>	Musky rat-kangaroo	NE Queensland; forest
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Woylie
(*Bettongia pencillata*)

Potorous; potoroos; Australia; grass, scrub.

<i>P. longipes</i>	Long-footed potaroo	E Victoria; ref. 1.15; I
<i>P. platyops</i> †	Broad-faced potaroo	SW Australia; extinct
<i>P. tridactylus</i> (<i>apicalis</i>)	Long-nosed potaroo	E, SE, SW Australia, Tasmania

Bettongia; Australia; steppe, dry woodland

<i>B. gaimardi</i> (<i>cuniculus</i>)	Tasmanian bettong (Eastern bettong)	Tasmania, † E Australia
<i>B. lesueur</i>	Burrowing bettong (Boodie)	W Australia (small islands only), († W, C Australia); R
<i>B. penicillata</i>	Brush-tailed bettong (Woylie)	W, C, († S) Australia
<i>B. tropica</i>	Northern bettong	E Queensland; E

Aepyprymnus

<i>A. rufescens</i>	Rufous bettong (Rufous rat-kangaroo)	E Australia; forest, woodland
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Caloprymnus

<i>C. campestris</i> †	Desert rat-kangaroo	C Australia; desert; ? extinct; I
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Family Macropodidae

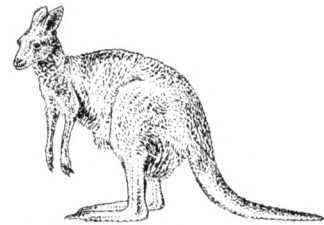
Kangaroos, wallabies; c. 49 species; Australia, New Guinea; steppe, savanna, forest; grazers, browsers.

Thylogale; pademelons, scrub wallabies; E Australia, New Guinea.

<i>T. billardieri</i>	Tasmanian pademelon (Red-bellied wallaby)	Tasmania, † SE Australia; scrub
<i>T. brunii</i>	Dusky wallaby	New Guinea, Bismarck Is.
<i>T. stigmatica</i>	Red-legged pademelon	E Australia, SE New Guinea; forest
<i>T. thetis</i>	Red-necked pademelon	E Australia; forest

Petrogale; (*Peradorcas*); rock wallabies; Australia; rocks in forest and grassland.

<i>P. assimilis</i>	Allied rock wallaby	N, NE Australia
<i>P. brachyotis</i>	Short-eared rock wallaby	N Australia
<i>P. burbidgei</i>	Warabi	W Australia
<i>P. concinna</i>	Little rock wallaby (Nabarlek)	N Australia
<i>P. godmani</i>	Godman's rock wallaby	Queensland
<i>P. inornata</i>	Unadorned rock wallaby	Queensland
<i>P. lateralis</i> (<i>purpureicollis</i>)	Black-footed rock wallaby	Australia (except E coast)
<i>P. penicillata</i>	Brush-tailed rock wallaby (Western rock wallaby)	Australia, [Hawaii]
<i>P. persephone</i>	Prosperine rock wallaby	NE Queensland; ref. 1.10



Eastern grey kangaroo
(*Macropus giganteus*)

<i>P. rothschildi</i>	Rothschild's rock wallaby	W Australia
<i>P. xanthopus</i>	Yellow-footed rock wallaby (Ring-tailed rock wallaby)	E, SE Australia
<i>Lagorchestes</i> ; hare-wallabies; Australia; grassland.		
<i>L. conspicillatus</i>	Spectacled hare-wallaby	N Australia
<i>L. hirsutus</i>	Rufous hare-wallaby (Western hare-wallaby)	W, C Australia (islands only in W); R
<i>L. leporides</i> †	Eastern hare-wallaby	SE Australia; extinct
<i>Setonyx</i>		
<i>S. brachyurus</i>	Quokka (Short-tailed wallaby)	SW Australia; scrub
<i>Lagostrophus</i>		
<i>L. fasciatus</i>	Banded hare-wallaby	Bernier & Dorre Is, W Australia, † W, S Australia; R
<i>Macropus</i> ; (<i>Megaleia</i> , <i>Protemnodon</i>); kangaroos, wallabies; Australia, New Guinea.		
<i>M. agilis</i>	Agile wallaby (River wallaby) (Sand wallaby)	N Australia, New Guinea; savanna
<i>M. antelopinus</i>	Antelope wallaroo (Antelope-kangaroo)	N Australia; savanna
<i>M. bernardus</i>	Black wallaroo (Bernard's wallaroo)	N Australia; rocky savanna
<i>M. dorsalis</i>	Black-striped wallaby	E Australia; forest
<i>M. eugenii</i>	Tammar wallaby (Dama wallaby)	SW, S Australia; dry forest
<i>M. fuliginosus</i>	Western grey kangaroo	SW, S Australia; woodland
<i>M. giganteus</i>	Eastern grey kangaroo	E Australia, Tasmania; woodland
<i>M. greyi</i> †	Toolache wallaby	S Australia, ? extinct; (in <i>M. irma</i> ?)
<i>M. irma</i>	Western brush wallaby	SW Australia; scrub, dry forest
<i>M. parma</i>	Parma wallaby	SE Australia; forest, scrub
<i>M. parryi</i>	Whiptail wallaby (Pretty-face wallaby)	NE Australia; woodland
<i>M. robustus</i>	Common wallaroo (Hill kangaroo)	Australia; rocky hills in forest, grassland & desert
<i>M. rufogriseus</i>	Red-necked wallaby (Bennett's wallaby)	E, SE Australia, Tasmania [England, New Zealand]; scrub, woodland
<i>M. rufus</i>	Red kangaroo	Australia; grassland

Wallabia

W. bicolor Swamp wallaby E Australia; forest, thicket

Onychogalea; nail-tailed wallabies; Australia; steppe, savanna.

O. fraenata Bridled naitail wallaby S Queensland,
(† SE Australia); E
O. lunata Crescent naitail wallaby C, († SW) Australia;
? extinct
O. unguifera Northern naitail wallaby N Australia

Dendrolagus; tree kangaroos; New Guinea, Queensland; forest; ref. 1.11.

D. bennettianus Bennett's tree kangaroo NE Queensland
D. dorianus Unicolored tree kangaroo New Guinea; V
D. inustus Grizzled tree kangaroo W, N New Guinea
D. lumholtzi Lumholtz's tree kangaroo NE Queensland
D. matschiei Matschie's tree kangaroo New Guinea; (V)
(*deltae*)
(*spadix*)
(*goodfellowi*)
D. ursinus Vogelkop tree kangaroo NW New Guinea

Dorcopsis; (*Dorcopsulus*); forest wallabies; New Guinea; forest.

D. atrata Black forest wallaby Goodenough I, E New
Guinea; R
D. hageni Greater forest wallaby N New Guinea
D. macleayi Papuan forest wallaby E New Guinea; R
D. muelleri Common forest wallaby New Guinea
(*veterum*)
D. vanheurni Lesser forest wallaby New Guinea; (in *D.*
macleayi ?)

Family Phascolarctidae

One species.

Phascolarctos

P. cinereus Koala E Australia; dry forest



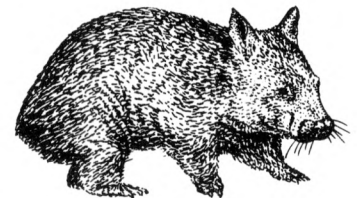
Koala
(*Phascolarctos cinereus*)

Family Vombatidae

Wombats; 3 species; E, S Australia, Tasmania.

Vombatus

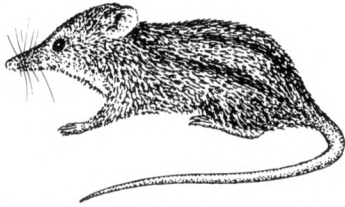
V. ursinus Common wombat E Australia, Tasmania;
forest, scrub



Southern hairy-nosed
wombat
(*Lasiorhinus latifrons*)

Lasiorhinus

L. krefftii Northern hairy-nosed
(*barnardi*) wombat S Queensland,
(*gillespiei*) († SE Australia); E
L. latifrons Southern hairy-nosed
wombat S Australia



Honey possum
(*Tarsipes rostratus*)

One species.

Tarsipes

T. rostratus (spenserae) Honey possum SW Australia

Family Tarsipedidae

ORDER XENARTHRA (EDENTATA)

Edentates; c. 29 species; S, C, (N) America; forest – grassland; predators on invertebrates, (herbivores); ref. 2.1, 2.2.



Giant anteater
(*Myrmecophaga tridactyla*)

Family Myrmecophagidae

American anteaters, vermilinguas; 4 species; S, C America; forest, savanna; terrestrial and arboreal ant-eaters.

Myrmecophaga

M. tridactyla Giant anteater N Argentina – Guatemala; forest, savanna; V

Tamandua; collared anteaters; S, C America.

T. mexicana Northern tamandua S Mexico – Peru, Venezuela
T. tetradactyla (longicaudata) Southern tamandua Venezuela – Uruguay

Cyclopes

C. didactylus Pygmy anteater (Silky anteater) S Mexico – Bolivia, N Brazil; forest

Family Bradypodidae

Three-toed sloths; 3 species; S, C America; forest; arboreal herbivores.

Bradypus; (*Scaeopus*); three-toed sloths.

B. torquatus Maned sloth SE Brazil; coastal forest; E
B. tridactylus Pale-throated sloth Guianas, etc.
B. variegatus (boliviensis) Brown-throated sloth Honduras –
(griseus) (Grey three-toed sloth) N Argentina
(infuscatus)

Family Megalonychidae

Two-toed sloths; 2 species; tropical S, C America; arboreal herbivores; includes also the extinct ground sloths.

Choloepus; two-toed sloths; formerly included in Bradypodidae or Choloepidae.

C. didactylus Linné's two-toed sloth Amazon Basin –
Venezuela, Guianas
C. hoffmanni Hoffmann's two-toed sloth Nicaragua – C Brazil



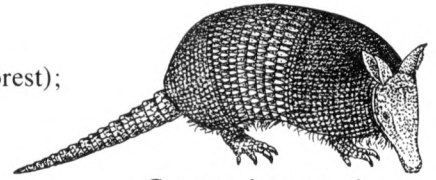
Pale-throated sloth
(*Bradypus tridactylus*)



Two-toed sloth
(*Choloepus didactylus*)

Family Dasypodidae

Armadillos; c. 20 species; S, (C, N) America; grassland, savanna, (forest); terrestrial; mainly predators on invertebrates; ref. 2.3.



Common long-nosed
armadillo
(*Dasypus novemcinctus*)

Chaetophractus; (*Euphractus*); hairy armadillos, etc.

<i>C. nationi</i>	Bolivian hairy armadillo	W Bolivia, NW Argentina
<i>C. vellerosus</i>	Screaming armadillo (Lesser hairy armadillo)	Bolivia, Argentina
<i>C. villosus</i>	Larger hairy armadillo	C Argentina, Uruguay, Paraguay

Euphractus; (*Chaetophractus*)

<i>E. sexcinctus</i>	Yellow armadillo (Six-banded armadillo)	Uruguay – Surinam, E of Andes
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Zaedyus

<i>Z. pichiy</i>	Pichi	S Argentina, Chile; grassland
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Priodontes

<i>P. maximus</i> (<i>giganteus</i>)	Giant armadillo	Venezuela – N Argentina; V
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Cabassous; naked-tailed armadillos; S, (C) America.

<i>C. centralis</i>	Northern naked-tailed armadillo	Guatemala – W Venezuela
<i>C. chacoensis</i>	Chacoan naked-tailed armadillo	W Paraguay, etc.
<i>C. tatouay</i>	Greater naked-tailed armadillo	N Argentina – S Brazil, Uruguay
<i>C. unicinctus</i>	Southern naked-tailed armadillo	Guyana – S Brazil

Tolypeutes; three-banded armadillos; domed armadillos.

<i>T. matacus</i>	Southern 3-banded armadillo	Bolivia – Argentina
<i>T. tricinctus</i>	Brazilian 3-banded armadillo	NE Brazil; I

Dasypus; long-nosed armadillos.

<i>D. hybridus</i>	Southern long-nosed armadillo	C Argentina, Uruguay – S Brazil
<i>D. kappleri</i>	Greater long-nosed armadillo	Peru – Surinam
<i>D. novemcinctus</i>	Common long-nosed armadillo (Nine-banded armadillo)	Uruguay – SE USA
<i>D. pilosus</i>	Hairy long-nosed armadillo	Peru; montane
<i>D. sabanicola</i>	Northern long-nosed armadillo	Venezuela, E Colombia

<i>D. septemcinctus</i>	Brazilian long-nosed armadillo (Lesser long-nosed armadillo)	E, C Brazil – N Argentina
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Chlamyphorus; (*Calyptophractus*, *Burmeisteria*); fairy armadillos.

<i>C. retusus</i>	Chacoan fairy armadillo (Greater fairy armadillo) (Burmeister's armadillo)	Bolivia – N Argentina; grassland; K
<i>C. truncatus</i>	Lesser fairy armadillo (Pink fairy armadillo)	CW Argentina; steppe; K

ORDER INSECTIVORA

Insectivores; *c.* 365 species; Eurasia, Africa, Madagascar, N, C, (S) America; terrestrial, subterranean; predators on insects and other invertebrates.



Haitian solenodon
(*Solenodon paradoxus*)

Family Solenodontidae

Solenodons; 2 species; Cuba, Hispaniola; terrestrial omnivores.

Solenodon; (*Atopogale*).

<i>S. cubanus</i>	Cuban solenodon	Cuba; E
<i>S. paradoxus</i>	Haitian solenodon	Hispaniola; E

Family Tenrecidae

Tenrecs, otter-shrews; *c.* 23 species; Madagascar, W, C Africa; terrestrial, (freshwater) predators on invertebrates.

Tenrec; (*Centetes*).

<i>T. ecaudatus</i>	Tail-less tenrec	Madagascar, Comoro Is; [Seychelles, Mauritius, Reunion]; dry forest
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Setifer; (*Ericulus*, *Dasogale*); ref. 3.1.

<i>S. setosus</i> (<i>fontoynonti</i>)	Greater hedgehog-tenrec	Madagascar; forest, scrub
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Hemicentetes

<i>H. semispinosus</i> (<i>nigriceps</i>)	Streaked tenrec	Madagascar; forest, scrub
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Echinops

<i>E. telfairi</i>	Lesser hedgehog-tenrec	SW Madagascar; dry forest
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Oryzorictes; (*Nesoryctes*); mole-tenrecs (rice tenrecs); Madagascar; wet forest, fields.

<i>O. hova</i>		C Madagascar
<i>O. talpoides</i>		NW Madagascar
<i>O. tetradactylus</i>		C Madagascar



Tail-less tenrec
(*Tenrec ecaudatus*)

Microgale; (*Leptogale*, *Nesogale*, *Paramicrogale*); shrew-tenrecs; Madagascar; forest; ref. 3.2.

<i>M. brevicaudata</i>	Short-tailed shrew-tenrec	W, E, N Madagascar; K
<i>M. cowani</i>	Cowan's shrew-tenrec	E Madagascar
<i>M. dobsoni</i>	Dobson's shrew-tenrec	E Madagascar
<i>M. gracilis</i>	Long-nosed shrew-tenrec	E Madagascar; K
<i>M. longicaudata</i>	Lesser long-tailed shrew-tenrec	E, N Madagascar; K
<i>M. parvula</i>	Pygmy shrew-tenrec	N Madagascar; K
<i>M. principula</i>	Greater long-tailed shrew-tenrec	SE Madagascar; K
<i>M. pulla</i>	Dusky shrew-tenrec	NE Madagascar; ref. 3.17
<i>M. pusilla</i>	Lesser shrew-tenrec	S, E Madagascar
<i>M. talazaci</i>	Talazac's shrew-tenrec	N, E Madagascar
<i>M. thomasi</i>	Thomas's shrew-tenrec	E Madagascar; K

Limnogale

<i>L. mergulus</i>	Web-footed tenrec	Madagascar; streams; V
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Geogale; (*Cryptogale*).

<i>G. aurita</i>		NE, SW Madagascar; K/I
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Potamogale

<i>P. velox</i>	Giant otter-shrew	C Africa; freshwater in forest
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Micropotamogale

<i>M. lamottei</i>	Nimba otter-shrew	Guinea, etc.; montane streams
<i>M. ruwenzorii</i>	Ruwenzori otter-shrew	Ruwenzori – L Kivu; montane streams

Family Chrysochloridae

Golden moles; c. 18 species; S Africa to Cameroun and Somalia; desert to forest; subterranean predators; taxonomy very provisional, especially at generic level.

Chrysochloris

<i>C. asiatica</i>	Cape golden mole	W Cape Province
<i>C. stuhlmanni</i> (<i>fosteri</i>)	Stuhlmann's golden mole	E Africa
<i>C. visagiei</i>	Visagie's golden mole	W Cape Province; K

Eremitalpa

<i>E. granti</i>	Grant's golden mole	SW Africa; coastal desert
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Calcochloris; (*Amblysomus*).

<i>C. obtusirostris</i>	Yellow golden mole	S Africa
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Cryptochloris

<i>C. wintoni</i>	De Winton's golden mole	W Cape Province; desert; K
<i>C. zyli</i>	Van Zyl's golden mole	SW Cape Province; K



Giant golden mole
(*Chrysochloris trevelyani*)

Amblysomus

<i>A. gunningi</i>	Gunning's golden mole	Transvaal; montane forest; K
<i>A. hottentotus</i>	Hottentot golden mole	S Africa
<i>A. iris</i>	Zulu golden mole	SE Africa
<i>A. julianae</i>	Juliana's golden mole	Transvaal; R

Chlorotalpa

<i>C. arendsi</i>	Arends's golden mole	E Zimbabwe; montane
<i>C. duthiae</i>	Duthie's golden mole	S Cape Province; R
<i>C. leucorhina</i>	Congo golden mole	WC Africa
<i>C. sclateri</i>	Sclater's golden mole	S Africa
<i>C. tytonis</i>	Somali golden mole	Somalia

Chrysothalpa

<i>C. trevelyani</i>	Giant golden mole	SE Cape Province; forest; E
<i>C. villosus</i>	Rough-haired golden mole	SE Africa; grassland; K

Family Erinaceidae

Hedgehogs, moonrats; *c.* 19 species; Eurasia (except boreal zones), Africa; forest to desert; terrestrial predators on invertebrates; ref. 3.18.

Subfamily Galericinae (Echinosoricinae)

Moonrats, gymnures; 6 species; SE Asia; forest.

Echinosorex; (Gymnurus).

<i>E. gymnurus</i>	Moonrat	Malaya, Sumatra, Borneo; forest
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Hylomys

<i>H. suillus</i>	Lesser moonrat	Yunnan – Java, Borneo
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Neotetracus; (Hylomys)

<i>N. sinensis</i>	Shrew-hedgehog	S China, Indochina
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Neohylomys; (Hylomys)

<i>N. hainanensis</i>	Hainan moonrat	Hainan I; China
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Podogymnura

<i>P. aureospinula</i>	Spiny moonrat	Dinagat I, Philippines; ref. 3.3
<i>P. truei</i>	Mindanao moonrat	Mindanao, Philippines; forest; V

Subfamily Erinaceinae

Spiny hedgehogs; 13 species; Europe, Asia (temperate and SW), Africa.

Erinaceus; woodland hedgehogs; Europe, N Asia.

<i>E. amurensis</i>	Amur hedgehog	Amur – Korea, NE, E China
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Lesser moonrat
(*Hylomys suillus*)



European hedgehog
(*Erinaceus europaeus*)

<i>E. concolor</i>	E European hedgehog	E Europe – Syria, W Siberia
<i>E. europaeus</i>	W European hedgehog	W, N Europe, [New Zealand]
<i>Atelerix</i> ; (<i>Erinaceus</i> , <i>Aethechinus</i>); African hedgehogs; Africa; mainly savanna.		
<i>A. albiventris</i>	Four-toed hedgehog	Senegal – Kenya – Zambezi; savanna
<i>A. algirus</i>	Algerian hedgehog	NW Africa, Canary Is, [SW Europe]; scrub, steppe
<i>A. frontalis</i>	S African hedgehog	S Africa – Zambezi
<i>A. sclateri</i>	Somali hedgehog	N Somalia
<i>Hemiechinus</i> ; steppe hedgehogs; W, C Asia.		
<i>H. auritus</i>	Long-eared hedgehog	Libya – Mongolia & Pakistan
<i>H. collaris</i>	Indian long-eared hedgehog	NW India, Pakistan
<i>H. dauuricus</i> (<i>hughi</i>) (<i>sylvaticus</i>)	Daurian hedgehog	E of Gobi Desert – Shanxi, China; dry steppe
<i>Paraechinus</i> ; desert hedgehogs; Sahara to India.		
<i>P. aethiopicus</i> (<i>deserti</i>) (<i>dorsalis</i>)	Desert hedgehog	Sahara, Arabia; desert
<i>P. hypomelas</i>	Brandt's hedgehog	Iran, Turkestan – Pakistan; desert, dry steppe
<i>P. micropus</i> (<i>nudiventris</i>)	Indian hedgehog	NW, SW India

Family Soricidae

Shrews; c. 272 species; Eurasia, Africa, N America to northern S America; forest to desert; terrestrial (or partially aquatic) insectivores.

Sorex; (*Microsorex*); red-toothed shrews; N America, N Eurasia; tundra, forest; ref. 3.4 (N America); 3.19 (China).

<i>S. alaskanus</i>	Glacier Bay water shrew	S Alaska; (in <i>S. palustris</i> ?)
<i>S. alpinus</i>	Alpine shrew	Europe; montane forest
<i>S. araneus</i>	Eurasian common shrew	Europe – R Yenesei; forest, tundra
<i>S. arcticus</i>	Arctic shrew (Black-backed shrew)	Alaska, Canada, N USA; wet forest
<i>S. arizonae</i>	Arizona shrew	SE Arizona, etc.; montane; close to <i>S. ventralis</i>
<i>S. asper</i>	Tien Shan shrew	C Asia; montane
<i>S. bedfordiae</i>	Lesser striped shrew	Gansu – Nepal; montane forest



Eurasian common shrew
(*Sorex araneus*)

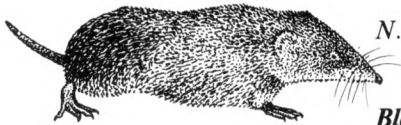
<i>S. bendirii</i>	Pacific water shrew	W coast USA; wet forest
<i>S. caecutiens</i> (<i>annexus</i>)	Laxmann's shrew	E Europe – Japan; con. forest, tundra
<i>S. cansulus</i>		Gansu, China
<i>S. cinereus</i>	Masked shrew (American common shrew)	N USA, Canada, NE Siberia; forest, tundra
<i>S. coronatus</i>		France, etc.; close to <i>S.</i> <i>araneus</i>
<i>S. cylindricauda</i>	Greater striped shrew	Sichuan, China; montane forest
<i>S. daphaenodon</i>	Large-toothed Siberian shrew	Siberia, NE China; con. forest, tundra
<i>S. dispar</i>	Long-tailed shrew	NE USA
<i>S. emarginatus</i>		Mexico; close to <i>S.</i> <i>ventralis</i>
<i>S. excelsus</i>		N Yunnan – Sichuan
<i>S. fontinalis</i>	Maryland shrew	E USA
<i>S. fumeus</i>	Smoky shrew	SE Canada, NE USA
<i>S. gaspensis</i>	Gaspé shrew	Gaspé Peninsula, Quebec; close to <i>S. dispar</i>
<i>S. gracillimus</i>	Slender shrew	NE Asia, N Japan
<i>S. granarius</i>		Spain; close to <i>S. araneus</i>
<i>S. haydeni</i>	Prairie shrew	N USA, S Canada; close to <i>S. cinereus</i>
<i>S. hosonoi</i>	Azumi shrew	C Honshu, Japan; montane
<i>S. hoyi</i> (<i>thompsoni</i>)	American pygmy shrew	Canada, NE USA; con. forest; (formerly in <i>Microsorex</i>)
<i>S. hydrodromus</i>	Pribilof shrew	St Paul I, Alaska
<i>S. isodon</i> (<i>sinalis</i>)		NE Europe – SE Siberia; con. forest
<i>S. jacksoni</i> (? <i>pribilofensis</i>) (<i>ugyunak</i>)	Barrenground shrew (St Lawrence Island shrew)	Alaska; ? N Canada, NE Siberia
<i>S. longirostris</i>	Southeastern shrew	SE USA
<i>S. lyelli</i>	Mount Lyell shrew	California; montane
<i>S. macrodon</i>	Large-toothed shrew	Veracruz, Mexico; forest
<i>S. merriami</i>	Merriam's shrew	W USA; high steppe
<i>S. milleri</i>	Carmen Mountain shrew	NE Mexico; montane
<i>S. minutissimus</i>	Least shrew	Scandinavia, Siberia, Korea, S China, Japan; con. forest
<i>S. minutus</i>	Eurasian pygmy shrew	Europe – C Siberia, ? Tibet, C China; forest, tundra
<i>S. mirabilis</i>	Giant shrew	E Siberia, N Korea

<i>S. monticolus</i> (<i>obscurus</i>)	Dusky shrew	Alaska, W Canada, W USA, NW Mexico; tundra, forest
<i>S. nanus</i>	Dwarf shrew	Wyoming – New Mexico; montane
<i>S. oreopolis</i>	Mexican long-tailed shrew	Mexico; montane
<i>S. ornatus</i> (<i>juncensis</i>) (<i>sinuosus</i>)	Ornate shrew	California, NW Mexico
<i>S. pacificus</i>	Pacific shrew	W USA; coastal forest
<i>S. palustris</i>	American water shrew	Canada, USA; wet forest
<i>S. preblei</i>	Preble's shrew	E Oregon – Montana, USA
<i>S. raddei</i>	Radde's shrew	Caucasus, etc.
<i>S. roboratus</i> (<i>vir</i>)	Flat-skulled shrew	E Siberia – Altai
<i>S. sadonis</i>		Sado Is, Japan; ref. 3.21
<i>S. samniticus</i> (<i>araneus</i>)	Apennine shrew	S, C Italy
<i>S. satunini</i>	Caucasian shrew	Caucasus etc., ref. 3.20
<i>S. saussurei</i>	Saussure's shrew	C Mexico – Guatemala; montane
<i>S. sclateri</i>	Sclater's shrew	Chiapas, SE Mexico
<i>S. sinalis</i> (<i>isodon</i>)		N Europe – N China; con. forest
<i>S. stizodon</i>	San Cristobal shrew	Chiapas, SE Mexico
<i>S. tenellus</i>	Inyo shrew	California, Nevada
<i>S. thibetanus</i> (<i>buchariensis</i>) (<i>kozlovi</i>) (<i>planiceps</i>)		Pamirs – W China; montane
<i>S. trowbridgii</i>	Trowbridge shrew	W coast USA; forest
<i>S. tundrensis</i> (<i>arcticus</i>) (<i>centralis</i>)	Tundra shrew	Alaska, NE Siberia
<i>S. unguiculatus</i>	Long-clawed shrew	E Siberia, N Japan
<i>S. vagrans</i> (<i>trigonostris</i>)	Vagrant shrew (Wandering shrew)	W USA, S Mexico; marsh, wet forest
<i>S. veraepacis</i>	Verapaz shrew	SE Mexico; montane
<i>S. ventralis</i>		Mexico
<i>S. volnuchini</i> (<i>minutus</i>)	Caucasian pygmy shrew	Caucasus
<i>Soriculus</i>; (<i>Chodsigoa</i>, <i>Episoriculus</i>); mountain shrews; Himalayas, China; montane forest; ref. 3.5.		
<i>S. caudatus</i>	Hodgson's brown-toothed shrew	Himalayas – S China, Burma
<i>S. fumidus</i> (<i>caudatus</i>)	Taiwan brown-toothed shrew	Taiwan; close to <i>S. caudatus</i>
<i>S. hypsibius</i>	De Winton's shrew	SW, C China

<i>S. lamula</i> (<i>hypsibius</i>)		Yunnan – Gansu
<i>S. leucops</i> (<i>baileyi</i>) (<i>gruberi</i>)	Indian long-tailed shrew	C Nepal – S China – N Vietnam
<i>S. macrurus</i> (<i>leucops</i>)		C Nepal – Vietnam
<i>S. nigrescens</i>	Himalayan shrew	Himalayas – Yunnan
<i>S. parca</i> (<i>smithii</i>) (<i>lowei</i>)		Thailand – Sichuan
<i>S. salenskii</i>	Salenski's shrew	N Sichuan; in <i>S. smithii</i> ?
<i>S. smithii</i>	Smith's shrew	Sichuan – Shaanxi

Neomys; Eurasian water shrews; N Eurasia; wet forest, streams, marshes.

<i>N. anomalus</i>	Southern water shrew	S, E Europe
<i>N. fodiens</i>	Eurasian water shrew	W Europe – E Siberia, Korea
<i>N. schelkownikovi</i>	Transcaucasian water shrew	Armenia, Georgia



Northern short-tailed shrew
(*Blarina brevicauda*)

Blarina; American short-tailed shrews; E N America; forest, grassland.

<i>B. brevicauda</i>	Northern short-tailed shrew	E USA, SE Canada
<i>B. carolinensis</i> (<i>telmalestes</i>)	Southern short-tailed shrew	SE USA
<i>B. hylophaga</i> (<i>carolinensis</i>)	Elliot's short-tailed shrew	S, SE USA

Blarinella

<i>B. quadraticauda</i>	Chinese short-tailed shrew	C, S China; montane forest
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Cryptotis; small-eared shrews; E USA – Ecuador, Surinam; forest, (grassland).

<i>C. avia</i>		Colombia
<i>C. endersi</i>	Ender's small-eared shrew	W Panama
<i>C. goldmani</i>	Goldman's small-eared shrew	S Mexico; wet montane forest
<i>C. goodwini</i>	Goodwin's small-eared shrew	S Guatemala, S Mexico; montane forest
<i>C. gracilis</i>	Talamancan small-eared shrew	Honduras – Panama; forest
<i>C. magna</i>	Big small-eared shrew	Oaxaca, S Mexico; montane forest
<i>C. mexicana</i> (<i>phillipsi</i>)	Mexican small-eared shrew	S, E Mexico; wet montane forest
<i>C. montivaga</i>		S Ecuador
<i>C. nigrescens</i>	Blackish small-eared shrew	S Mexico – Panama; scrub, forest
<i>C. parva</i>	American least shrew	C, E USA – Panama; grassland, scrub, forest

C. squamipes W Colombia
C. thomasi Ecuador – Venezuela

Notiosorex

N. crawfordi Desert shrew SW USA, Mexico;
 (Grey shrew) semidesert scrub

Megasorex; (*Notiosorex*).

M. gigas Giant Mexican shrew SW Mexico
 (Merriam's desert shrew)

Crocidura; (*Praesorex*); white-toothed shrews; Eurasia, Africa; forest to semi-desert; taxonomy very provisional in some areas; ref. 3.6 (Oriental Region).

C. allex Kenya, N Tanzania
C. andamanensis S Andaman I, Indian Ocean
C. ansellorum NW Zambia; ref. 3.22, 23
C. arabica S Arabia; ref. 3.24
C. attenuata Himalayas – S China –
 (*aequicauda*) Java, Taiwan, Baton Is
 (*trichura*) (N Philippines)
C. baileyi Ethiopia; montane
C. baluensis Borneo, ? Sumatra;
 montane
C. beatus Mindanao, Philippines
C. bloyeti C Tanzania
C. bottegi W Africa, Ethiopia,
 N Kenya
C. bovei Zaire
C. butleri Sudan, Uganda, Kenya,
 S Somalia
C. buettikoferi W Africa; forest
C. caliginea NE Zaire; forest
C. canariensis Canary shrew Canary Is; ref. 3.25
C. cinderella Gambia, ? Mali
C. congobelgica NE Zaire
C. crenata Gabon
C. crossei Nigeria – Ivory Coast;
 forest
C. cyanea Reddish-grey musk shrew Ethiopia – S Africa
C. denti C Africa
C. dolichura Guinea – Uganda
C. douceti Ivory Coast, Guinea
C. dsinezumi Japan except Hokkaido,
 ? Taiwan
C. eisentrauti Mt Cameroun
C. elgonius W Kenya, N Tanzania
C. elongata Sulawesi
C. erica W Angola
C. fischeri S Ethiopia – Zaire

(*Crocidura suaveoleus*)

<i>C. flavescens</i>	Greater musk shrew	S Africa
<i>C. floweri</i>	Flower's shrew	Egypt
<i>C. foxi</i>		Nigeria – Ghana; Guinea savanna
<i>C. fuliginosa</i> (<i>malayana</i>) (<i>palawanensis</i>)		S China – Malaya, Sumatra, Java, Borneo, Palawan, ? Timor
<i>C. fulvastra</i> (<i>arethusia</i>) (<i>sericea</i>)		Mali – Ethiopia, Kenya; ref. 3.8
<i>C. fumosa</i>		E Africa; montane forest
<i>C. fuscomurina</i> (<i>bicolor</i>)	Tiny musk shrew	Uganda – N Cape Prov., Namibia; savanna; ref. 3.9
<i>C. glassi</i>		Harar, Ethiopia; montane
<i>C. gracilipes</i> (<i>hildegardeae</i>)	Peters' musk shrew	W, E S Africa
<i>C. grandiceps</i>		Ivory Coast – S Nigeria; ref. 3.11
<i>C. grandis</i>		Mindanao, Philippines
<i>C. grassei</i>		C Africa
<i>C. grayi</i> (<i>halconis</i>)		Luzon, Mindoro, Philippines
<i>C. greenwoodi</i>		S Somalia
<i>C. gueldenstaedtii</i> (? <i>cyprica</i>) (? <i>vorax</i>)		Caucasus – Israel, Crete, ? Cyprus; ? – SW China
<i>C. hirta</i>	Lesser red musk shrew	S Africa – S Somalia
<i>C. hispida</i>	Andaman spiny shrew	Middle Andaman I, Indian Ocean
<i>C. horsfieldii</i>		Sri Lanka, Indochina, Hainan, Taiwan, Ryukyu Is
<i>C. jacksoni</i>		E Africa
<i>C. kivuana</i>		Kivu, E Zaire
<i>C. lamottei</i>		Ivory Coast, Togo
<i>C. lanosa</i>		E Zaire, Rwanda
<i>C. lasia</i>		Asia Minor, etc.
<i>C. lasiura</i>		Korea – Ussuri
<i>C. latona</i>		E Zaire
<i>C. lea</i>		Sulawesi
<i>C. leucodon</i>		C, S Europe – Israel
<i>C. levicula</i>		Sulawesi
<i>C. littoralis</i>		Uganda – Cameroun
<i>C. longipes</i>		W Nigeria; swamps; ref. 3.12
<i>C. lucina</i>		Ethiopia; montane; ref. 3.16
<i>C. luluae</i>		S Zaire

<i>C. luna</i>	Greater grey-brown musk shrew	E Zimbabwe – Kenya; savanna
<i>C. lusitania</i>		W Sahara
<i>C. macarthuri</i>		Kenya
<i>C. macowi</i>		Mt Nyiro, N Kenya
<i>C. manengubae</i>		Cameroun; ref. 3.7
<i>C. maquassiensis</i>	Makwassie musk shrew	Transvaal, Zimbabwe; R
<i>C. mariquensis</i>	Swamp musk shrew	S Africa – Zambia
<i>C. maurisca</i>		Uganda, Kenya, Tanzania
<i>C. mindorus</i>		Mindoro, Philippines
<i>C. miya</i>	Ceylon long-tailed shrew	Sri Lanka
<i>C. monax</i>		E Africa; montane
<i>C. monticola</i> (<i>bartelsii</i>)		Malaya, Borneo, Java – Flores
<i>C. montis</i>		E Africa; montane; ref. 3.27
<i>C. mutesae</i>		Uganda
<i>C. nana</i>		Somalia, Ethiopia; (in <i>C. religiosa?</i>)
<i>C. nanilla</i>		W, C, E Africa
<i>C. neglecta</i>		Sumatra, Java etc.
<i>C. negrina</i>		Negros I, Philippines
<i>C. nicobarica</i> (<i>jenkinsi</i>)		Nicobar & Andaman Is, Indian Ocean
<i>C. nigricans</i>		Angola
<i>C. nigripes</i>		Sulawesi
<i>C. nigrofusca</i>		Zaire
<i>C. nimbae</i>		Ivory Coast – Guinea
<i>C. niobe</i>		Ruwenzori, Uganda, SW Ethiopia
<i>C. occidentalis</i> (<i>olivieri</i>) (? <i>bolivari</i>)		Senegal – Egypt – Zimbabwe
<i>C. odorata</i> (<i>goliath</i>)		Guinea – Gabon
<i>C. orientalis</i>		Java; montane
<i>C. orii</i>		Ryukyu Is.
<i>C. osorio</i>		Gran Canaria, Canary Is; ref. 3.35
<i>C. paradoxura</i>		Sumatra, ? Java
<i>C. pasha</i>		Sudan – Mali; savanna
<i>C. pergrisea</i> (? <i>armenica</i>)		Asia Minor – Kashmir; montane
<i>C. phaeura</i>		S Ethiopia
<i>C. picea</i>		Cameroun
<i>C. pitmani</i>		Zambia
<i>C. planiceps</i>		N Uganda, S Sudan
<i>C. poensis</i>		W, C Africa

<i>C. raineyi</i>		Kenya; ref. 3.27
<i>C. religiosa</i>	Egyptian pygmy shrew	Egypt
<i>C. rhoditis</i>		Sulawesi
<i>C. roosevelti</i>		Uganda, Tanzania – Angola
<i>C. russula</i> (<i>foucauldi</i>)		C, S Europe, N Africa; ref. 3.28
<i>C. sansibarica</i>		Zanzibar, Pemba I
<i>C. selina</i>		Uganda; ref. 3.27
<i>C. serezyensis</i>		Pamir Mts, etc.; ref. 3.15
<i>C. sibirica</i>		C Asia
<i>C. sicula</i>		Sicily
<i>C. silacea</i>	Lesser grey-brown musk shrew	Transvaal – Zimbabwe, ? – Kenya
<i>C. smithi</i>		Ethiopia, Somalia, Senegal
<i>C. somalica</i>		Sudan, Somalia, Ethiopia, Oman
<i>C. suaveolens</i>		SW Europe, Arabia – Korea, China, Taiwan
<i>C. susiana</i>		SW Iran; steppe
<i>C. tansaniana</i>		Usambara Mts; Tanzania; ref. 3.31
<i>C. tarfayensis</i>		Morocco; ref. 3.28
<i>C. telfordi</i>		Uluguru Mts, Tanzania; ref. 3.31
<i>C. tenuis</i>		Timor
<i>C. thalia</i>		Ethiopia; montane; 3.16
<i>C. theresae</i>		Guinea – Ghana
<i>C. thomensis</i>		Sao Tome I, W Africa; ref. 3.32
<i>C. turba</i>		Zambia – N Angola
<i>C. usambarae</i>		Usambara Mts, Tanzania; ref. 3.16
<i>C. viaria</i> (<i>suahelae</i>) (<i>bolivari</i>) (<i>tephra</i>)		Morocco – Senegal – Kenya; ref. 3.8
<i>C. vulcani</i>		Mt Cameroun
<i>C. whitakeri</i>		NW Africa
<i>C. wimmeri</i>		Liberia – Gabon
<i>C. xantippe</i>		Kenya, Tanzania
<i>C. yankariensis</i>		N Nigeria, Sudan; ref. 3.10
<i>C. zaodon</i>		Zambia – S Sudan, ? W Africa
<i>C. zaphiri</i>		Kenya, S Ethiopia
<i>C. zarudnyi</i>		Afghanistan, Baluchistan
<i>C. zimmeri</i>		S Zaire
<i>C. zimmermanni</i>		Crete; ref. 3.33

Suncus; (*Pachyura*, *Podihik*); Africa, S Eurasia; forest, scrub, savanna.

<i>S. ater</i>	Black shrew	Mt Kinabalu, Borneo
<i>S. dayi</i>		S India
<i>S. etruscus</i>	Pygmy white-toothed shrew	Mediterranean – India, Sri Lanka; W Africa; scrub, etc.
<i>S. hosei</i>		Sarawak, Borneo
<i>S. infinitesimus</i>	Least dwarf shrew	S Africa – Kenya, ? W Africa
<i>S. lixus</i>	Greater dwarf shrew	Kenya – Angola, Transvaal
<i>S. malayanus</i>		Malaya, Borneo; (in <i>S. etruscus</i> ?)
<i>S. mertensi</i>		Flores
<i>S. montanus</i> (<i>murinus</i>)		S India, Sri Lanka
<i>S. murinus</i> (<i>luzoniensis</i>) (<i>occultidens</i>) (<i>palawanensis</i>)	House shrew	S Asia, (E Africa); commensal
<i>S. remyi</i>		Gabon
<i>S. stoliczkanus</i>		India, etc.
<i>S. varilla</i>	Lesser dwarf shrew	S Africa – Tanzania, Zaire
<i>S. zeylanicus</i> (<i>murinus</i>)		Sri Lanka

Feroculus

<i>F. feroculus</i>	Kelaart's long-clawed shrew	Sri Lanka; montane forest
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Solisorex

<i>S. pearsoni</i>	Pearson's long-clawed shrew	Sri Lanka; montane
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Paracrocidura; ref. 3.30

<i>P. graueri</i>		E Zaire
<i>P. maxima</i>		Ruanda – Ruwenzori; montane
<i>P. schoutedeni</i>		Cameroun – Zaire

Sylvisorex; (*Suncus*); Africa, forest, grassland.

<i>S. granti</i>		Cameroun – E Africa; montane
<i>S. howelli</i>		Uluguru Mts, Tanzania; ref. 3.13
<i>S. johnstoni</i>		Cameroun, Gabon, Zaire, Bioco
<i>S. lunaris</i>		C Africa; montane
<i>S. megalura</i>	Climbing shrew	Guinea – Ethiopia – Zimbabwe
<i>S. morio</i>		Mt Cameroun, Bioco



House shrew
(*Suncus murinus*)

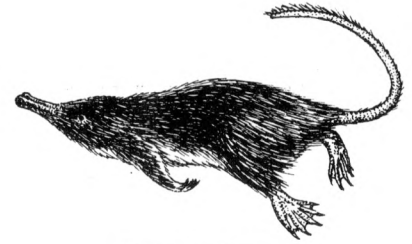
- S. ollula*
S. vulcanorum Cameroun – Zaire
 Ruanda etc.; montane forest; ref. 3.34
- Ruwenzorisorex*; (*Sylvisorex*)**
R. suncoides C Africa; montane; ref. 3.29
- Myosorex*; (*Surdisorex*); mouse-shrews; C, S Africa; forest.**
M. baboulti E Zaire
M. blarina C Africa; montane
M. cafer Dark-footed forest shrew S Africa, Zimbabwe
M. eisentrauti Cameroun, Bioco
M. geata Tanzania
M. longicaudatus Long-tailed forest shrew Knysna, S Africa
M. norae Aberdare Mts, Kenya
M. polli Kasai, Zaire
M. polulus Mt Kenya; montane scrub
M. preussi Mt Cameroun
M. varius Forest shrew S Africa
- Diplomesodon***
D. pulchellum Piebald shrew Russian Turkestan; desert
- Anourosorex***
A. squamipes Mole-shrew C China – N Thailand, Taiwan; montane forest
- Chimarrogale*; (*Crossogale*); oriental water shrews; E Asia; montane streams; ref. 3.19.**
C. himalayica Himalayas, China, Taiwan
C. phaeura Malaya, Sumatra, Borneo
C. platycephala Japan
C. styani Sichuan, N Burma
- Nectogale***
N. elegans Elegant water shrew Sikkim – Shaanxi; montane streams
- Scutisorex***
S. somereni Armoured shrew C Africa; forest
 (*congicus*)

Family Talpidae

Moles, shrew-moles, desmans; *c.* 31 species; Eurasia, N America; mainly subterranean in forest and wet grassland, some aquatic; predators on invertebrates.

Subfamily Uropsilinae

Chinese shrew-moles; 3 species; S China, etc.; montane; ref. 3.14.

Uropsilus; (*Nasillus*, *Rhynchonax*).*U. andersoni**U. gracilis**U. soricipes*C Sichuan
Sichuan, Yunnan,
N Burma
C Sichuan*Pyrenean desman*
(*Galemys pyrenaicus*)**Subfamily Desmaninae**

Desmans; 2 species; Europe; aquatic.

Desmana*D. moschata*

Russian desman

European Russia,
[C Siberia]; rivers; V***Galemys****G. pyrenaicus*

Pyrenean desman

Pyrenees, Iberia; rivers; V

Subfamily Talpinae

Moles; c. 26 species; Eurasia, N America; subterranean; generic and specific classification of Eurasian forms very provisional.

Talpa; (*Mogera*, *Parascaptor*, *Scaptochirus*, *Euroscaptor*); Eurasian moles; Eurasia; subterranean in forest and grassland.*T. altaica*

Siberian mole

W, C Siberia

T. caeca

Mediterranean mole

S Europe – Caucasus

T. caucasica

Caucasian mole

Caucasus

T. europaea

European mole

Europe, W Siberia

T. grandis

(micrura)

Sichuan, Yunnan

T. insularis

(latouchei)

SE China, Hainan, Taiwan

T. leucura

(micrura)

Yunnan, Burma, Assam

T. longirostris

(micrura)

S China

T. micrura

(klossi)

E Himalayas – Malaya

T. mizura

Japanese mountain mole

Honshu, Japan

T. moschata

Short-faced mole

E China

T. robusta

(kobeae)

Korea, etc. – Japan

T. romana

Roman mole

Italy, Balkans

T. streeti

Persian mole

NW Iran

T. wogura

(coreana)

Japan, ? Korea, etc.

T. wogura

(coreana)

Japan, ? Korea, etc.

T. streeti

Persian mole

NW Iran

T. wogura

(coreana)

Japan, ? Korea, etc.

T. wogura

(coreana)

Japan, ? Korea, etc.

T. coreana

(coreana)

Japan, ? Korea, etc.

Scaptonyx*S. fuscicaudus*

Long-tailed mole

S China, N Burma;
montane***Neurotrichus****N. gibbsii*

American shrew-mole

W coast USA; wet forest

*European mole*
(*Talpa europaea*)

Urotrichus; (*Dymecodon*).

<i>U. pilirostris</i>	Lesser Japanese shrew-mole	Japan; montane forest
<i>U. talpoides</i>	Greater Japanese shrew-mole	Japan

Scapanulus

<i>S. oweni</i>	Kansu mole	C China; montane forest
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Parascalops

<i>P. breweri</i>	Hairy-tailed mole	NE USA, SE Canada
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Scapanus; western moles; W USA; wet forest, grassland.

<i>S. latimanus</i>	Broad-footed mole	California, etc.
<i>S. orarius</i>	Coast mole	W USA
<i>S. townsendii</i>	Townsend's mole	W coast USA

Scalopus

<i>S. aquaticus</i> (<i>inflatus</i>) (<i>montanus</i>)	Eastern American mole	C, E USA, NE Mexico
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Condylura

<i>C. cristata</i>	Star-nosed mole	NE USA, SE Canada
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ORDER SCANDENTIA

One family, variously included in the Insectivora or Primates, or associated with the Macroscelidea, but probably better treated as a separate order.

Family Tupaiidae

Tree shrews; c. 16 species; SE Asia; forest; arboreal insectivores.



Common tree shrew
(*Tupaia glis*)

Tupaia

<i>T. belangeri</i> (<i>glis</i>)	Northern tree shrew	Nepal – S China – Thailand
<i>T. dorsalis</i>	Striped tree shrew	Borneo
<i>T. glis</i> (<i>palawanensis</i>)	Common tree shrew	Malaya, Sumatra, Java, Borneo, Palawan
<i>T. gracilis</i>	Slender tree shrew	Borneo
<i>T. javanica</i>	Javan tree shrew	Java, Sumatra
<i>T. minor</i>	Pygmy tree shrew	Malaya, Sumatra, Borneo
<i>T. montana</i>	Mountain tree shrew	Borneo; montane
<i>T. nicobarica</i>	Nicobar tree shrew	Nicobar Is, Indian Ocean
<i>T. picta</i>	Painted tree shrew	Borneo
<i>T. splendidula</i>	Ruddy tree shrew (Red-tailed tree shrew)	S Borneo; lowland
<i>T. tana</i>	Large tree shrew	Borneo, Sumatra

Anathana

<i>A. ellioti</i>	Madras tree shrew	S, C India
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Dendrogale

<i>D. melanura</i>	Bornean smooth-tailed tree shrew	Borneo; montane
<i>D. murina</i>	Northern smooth-tailed tree shrew	S Indochina

Urogale

<i>U. everetti</i>	Philippine tree shrew	Mindanao, etc., Philippines
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Ptilocercus

<i>P. lowii</i>	Pen-tailed tree shrew	Malaya, Sumatra, W, N Borneo
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ORDER DERMOPTERA

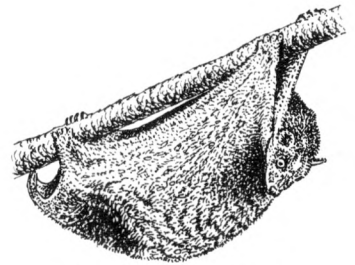
One family.

Family Cynocephalidae

Flying lemurs (colugos); 2 species; SE Asia; forest; arboreal, gliding, herbivores.

Cynocephalus; (*Galeopithecus*, *Galeopterus*).

<i>C. variegatus</i>	Malayan flying lemur	Indochina – Java, Borneo
<i>C. volans</i>	Philippine flying lemur	S Philippines



Malayan flying lemur
(*Cynocephalus variegatus*)

ORDER CHIROPTERA

Bats; c. 977 species; worldwide.

SUBORDER MEGACHIROPTERA**Family Pteropodidae**

Fruit bats, flying foxes; c. 162 species; Old-world tropics and subtropics: Africa, S Asia to Australia, W Pacific Islands; mainly forest, rarely in caves; frugivorous, nectarivorous; ref. 4.9.

Subfamily Pteropodinae**Eidolon**

<i>E. helvum</i>	Straw-coloured fruit bat	Africa S of Sahara, Ethiopia, SW Arabia, Madagascar
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Rousettus; rousettes; Africa, S Asia – Solomon Is.
Subgenus *Rousettus*

<i>R. aegyptiacus</i>	Egyptian rousette	S Africa – Senegal, Ethiopia, Egypt – Lebanon – Pakistan, Cyprus
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Egyptian rousette
(*Rousettus aegyptiacus*)

<i>R. amplexicaudatus</i> (<i>stresemanni</i>)	Geoffroy's rousette	S Burma – Solomon Is, Philippines; refs. 4.10, 11, 12
<i>R. celebensis</i>	Sulawesi rousette	Sulawesi, Sanghir Is, (?) Talaud Is.
<i>R. lanosus</i>	Ruwenzori long-haired rousette	S Ethiopia – Tanzania, E Zaire
<i>R. leschenaulti</i>	Leschenault's rousette	Pakistan – Vietnam – S China; Sri Lanka, Java, Bali
<i>R. madagascariensis</i>	Madagascar rousette	Madagascar
<i>R. obliviosus</i>		Comoro Is
<i>R. spinalatus</i>		N Sumatra, Borneo; refs. 4.11, 13, 14
Subgenus <i>Boneia</i>		
<i>R. bidens</i>		N Sulawesi; ref. 4.110
Subgenus <i>Lissonycteris</i>		
<i>R. angolensis</i>	Bocage's fruit bat	Guinea – Ethiopia, Angola, Zimbabwe, Zambia, Mozambique
<i>Myonycteris</i>		
<i>M. brachycephala</i>	São Tomé collared fruit bat	Saò Tomé I, Gulf of Guinea
<i>M. relicta</i>		SE Kenya, NE Tanzania; ref. 4.15
<i>M. torquata</i>	Little collared fruit bat	Sierra Leone – Angola, Zambia
<i>Pteropus</i> ; flying foxes; Madagascar, SE Asia, N Australia, islands of Indian Ocean and W Pacific.		
<i>P. admiralitatum</i>	Admiralty flying fox	Admiralty Is – Solomons
<i>P. alecto</i>	Central flying fox (Black flying fox)	Sulawesi – S New Guinea, NW, N, NE Australia
<i>P. anetianus</i>		Vanuatu, Banks Is
<i>P. argentatus</i>	Silvery flying fox	? Amboina I; ref. 4.16
<i>P. brunneus</i>		Percy I, off E Queensland; perhaps applied to a vagrant <i>P. hypomelanus</i>
<i>P. caniceps</i>	Ashy-headed flying fox	Sulawesi, N Moluccas, etc.
<i>P. chrysoproctus</i>	Amboina flying fox	S Moluccas; ref. 4.110
<i>P. conspicillatus</i>	Spectacled flying fox	N Moluccas, New Guinea – NE Queensland
<i>P. dasymallus</i>	Ryukyu flying fox	S Japan, Ryukyu Is, Taiwan
<i>P. faunulus</i>		Nicobar Is
<i>P. fundatus</i>		Banks Is, Vanuatu
<i>P. giganteus</i>	Indian flying fox	India – Burma, SW China, Sri Lanka, Maldive Is, Andaman Is



Seychelles flying fox
(*Pteropus seychellensis*)

<i>P. gilliardi</i>	Gilliard's flying fox	New Britain, Bismarck Arch.
<i>P. griseus</i>	Grey flying fox	Timor – Sulawesi, ? Luzon
<i>P. howensis</i>		Ontong Java Atoll, Solomons
<i>P. hypomelanus</i> (? <i>santacruensis</i>) (? <i>mearnsi</i>)	Small flying fox	S Burma – Solomons, Philippines, C Maldives
<i>P. insularis</i>		Caroline Is; I
<i>P. intermedius</i>		S Burma
<i>P. leucopterus</i>		Philippines
<i>P. livingstonii</i>	Comoro black flying fox	Anjouan I, Moheli I, Comoro Is; ref. 4.17; E
<i>P. lombocensis</i>	Lombok flying fox	Lesser Sunda Is
<i>P. lylei</i>	Lyle's flying fox	Thailand, Indochina
<i>P. macrotis</i> (<i>pohlei</i>)	Big-eared flying fox	S New Guinea, Aru Is; I
<i>P. mahaganus</i>	Lesser flying fox	Ysabel I, Bougainville I, Solomons
<i>P. mariannus</i>	Marianas flying fox	Mariana Is, Palau Is, Caroline Is, Ryukyu Is; V
<i>P. melanopogon</i>	Black-bearded flying fox	S Moluccas; ref. 4.110
<i>P. melanotus</i> (<i>satyrus</i>)		Andaman Is, Nicobar Is – Christmas I, Indian Ocean
<i>P. molossinus</i>		E Caroline Is; I
<i>P. neohibernicus</i> (<i>sepikensis</i>)	Bismarck flying fox	New Guinea, Bismarck Arch.
<i>P. niger</i>	Greater Mascarene flying fox	† Reunion, Mauritius; ref. 4.17; V
<i>P. nitendiensis</i>		Santa Cruz Is, SW Pacific
<i>P. ocularis</i>	Ceram flying fox	Buru, Ceram Is, S Moluccas
<i>P. ornatus</i>		New Caledonia; Loyalty Is
<i>P. personatus</i>	Masked flying fox	N Moluccas, (?) Sulawesi; ref. 4.110
<i>P. phaeocephalus</i>		Mortlock I (= Tauu I), C Caroline Is; I
<i>P. pilosus</i> †		Palau Is; extinct
<i>P. poliocephalus</i>	Grey-headed flying fox	E Australia, vagrant Tasmania
<i>P. pselaphon</i>		Bonin Is; Volcano Is, (S of Japan)
<i>P. pumilus</i> (<i>balutus</i>) (<i>tablasi</i>)		Philippines; ref. 4.18
<i>P. rayneri</i> (<i>cognatus</i>)	Solomon flying fox	Solomon Is

<i>P. rodricensis</i>	Rodriguez flying fox	Rodriguez I; † Round I; ref. 4.17; E
<i>P. rufus</i>	Madagascar flying fox	Madagascar
<i>P. samoensis</i>	Samoa flying fox	Fiji Is, Samoa Is; E
<i>P. scapulatus</i>	Little red flying fox	W, N, E Australia; S New Guinea; vagrant New Zealand
<i>P. seychellensis</i>	Seychelles flying fox	Comoro Is, Aldabra I, Seychelles; Mafia I; (V)
<i>P. speciosus</i>		Philippines, etc. (in <i>P. griseus</i> ?)
<i>P. subniger</i> †	Lesser Mascarene flying fox	Reunion, Mauritius; extinct; ref. 4.17
<i>P. temmincki</i>	Temminck's flying fox	S Moluccas, Bismarck Arch.
<i>P. tokudae</i> †	Guam flying fox	Guam I; extinct
<i>P. tonganus</i>	Insular flying fox	Karkar I (NE New Guinea) – Samoa, Cook Is; I
<i>P. tuberculatus</i>		Vanikoro I, Santa Cruz Is
<i>P. vampyrus</i>	Large flying fox	S Burma – Java, Philippines, Borneo, Timor
? <i>P. vanikorensis</i>		Vanikoro Is, Santa Cruz Is
<i>P. vetulus</i>		New Caledonia
<i>P. voeltzkowi</i>	Pemba flying fox	Pemba I, off Tanzania; V
<i>P. woodfordi</i>	Least flying fox	Solomons
<i>Pteralopex</i>		
<i>P. acrodonta</i>		Taveuni I, Fiji Is
<i>P. anceps</i>		Bougainville, Choiseul Is, Solomons
<i>P. atrata</i>	Cusp-toothed flying fox	Ysabel, Guadalcanal Is, Solomons
<i>Acerodon</i> ; Philippines – Lesser Sundas.		
<i>A. celebensis</i>	Sulawesi flying fox	Sulawesi; ref. 4.16
(<i>arquatus</i>)		
<i>A. humilis</i>	Talauud flying fox	Talauud Is, N Moluccas
<i>A. jubatus</i>		Philippines
<i>A. leucotis</i>		Busuanga I, Palawan, Balabac, Philippines; ref. 4.16
<i>A. lucifer</i>		Panay I, C Philippines; extinct ?
<i>A. macklotii</i>	Sunda flying fox	Lesser Sunda Is
<i>Neopteryx</i>		
<i>N. frosti</i>	Small-toothed fruit bat	N, W Sulawesi

Styloctenium

S. wallacei Striped-faced fruit bat Sulawesi

Dobsonia; naked-backed fruit bats; Philippines – Australia.

D. beauforti Biak I, Owii I, Waigeo I,
off NW New Guinea

D. chapmani Cebu I, Negros I,
Philippines

D. emersa Biak I, Owii I, off NW
New Guinea; ref. 4.19

D. exoleta Sulawesi naked-backed bat Sulawesi

D. inermis Solomons naked-backed
bat Solomons

D. minor Lesser naked-backed bat C Sulawesi, C, W New
Guinea; ref. 4.110, 113;
K

D. moluccense Greater naked-backed bat Moluccas, New Guinea

(? *anderseni*)

D. pannietensis Bismarck Arch.,
(*anderseni*) Trobriand,
(? *remota*) D'Entrecasteaux,
Louisiade Is, N
Queensland; ref. 4.19

D. peronii Western naked-backed bat Lesser Sunda Is, Timor

D. praedatrix New Britain naked-backed
bat Bismarck Archipelago

D. viridis Greenish naked-backed bat Sulawesi; Moluccas; ref.
(? *crenulata*) 4.12

Plerotes; ref. 4.111

P. anchietae Anchieta's fruit bat Angola, S Zaire, Zambia

Hypsignathus

H. monstrosus Hammer-headed fruit bat Gambia – Ethiopia –
Zaire, NE Angola

Epomops; epauletted fruit bat; ref. 4.111.

E. buettikoferi Büttikofer's fruit bat Guinea – Ghana;
? Nigeria

E. dobsonii Dobson's fruit bat W, C Angola – S Zaire,
Rwanda, NE Botswana,
Zambia, Tanzania

E. franqueti Franquet's fruit bat Ivory Coast – S Sudan –
(Singing fruit bat) NW Tanzania, Angola

Epomophorus; epauletted fruit bats; Africa S of Sahara; ref. 4.111.

E. angolensis Angolan epauletted fruit S, SW Angola, NW
bat Namibia



Hammer-headed fruit bat
(*Hypsignathus monstrosus*)



Epauletted fruit bat
(*Epomophorus wahlbergi*)

<i>E. gambianus</i> (<i>crypturus</i>) (<i>pousarguesi</i>) (<i>reii</i>)	Gambian epauletted fruit bat	Senegal – S Ethiopia – Angola, South Africa
<i>E. grandis</i>	Sanborn's epauletted fruit bat	NE Angola; Congo Rep.; ref. 4.111
<i>E. labiatus</i> (<i>anurus</i>)	Little epauletted fruit bat	Nigeria – Ethiopia – Malawi, Tanzania, ? Senegal
<i>E. minor</i>		S Sudan – S Somalia – Zambia, Malawi, Zanzibar
<i>E. wahlbergi</i>	Wahlberg's epauletted fruit bat	Cameroun – Somalia – Africa, Angola, Zaire, Cameroun
<i>Micropteropus</i> ; dwarf epauletted fruit bats; ref. 4.111.		
<i>M. intermedius</i>	Hayman's epauletted fruit bat	NE Angola, SE Zaire
<i>M. pusillus</i>	Dwarf epauletted fruit bat	Senegal – Ethiopia, Angola – Zambia
<i>Nanonycteris</i> ; ref. 4.111.		
<i>N. veldkampii</i>	Veldkamp's dwarf fruit bat	Guinea – Congo Rep.
<i>Scotonycteris</i>		
<i>S. ophiodon</i>	Pohle's fruit bat	Liberia – Congo Rep.
<i>S. zenkeri</i>	Zenker's fruit bat	Liberia – E Zaire
<i>Casinycteris</i>		
<i>C. argynnis</i>	Short-palate fruit bat	Cameroun – E, NE Zaire
<i>Cynopterus</i>		
<i>C. archipelagus</i>		Polillo I, off Luzon, Philippines (in <i>C. brachyotis</i> ?)
<i>C. brachyotis</i> (<i>minor</i>)	Lesser dog-faced fruit bat	S China, Burma – Java, Borneo, Philippines, Sulawesi, Sri Lanka, SW India, Andamans, Nicobars
<i>C. horsfieldii</i>	Horsfield's fruit bat	S Thailand – Java, Borneo
<i>C. sphinx</i>	Short-nosed fruit bat	? SE Pakistan; India – S China – Java, Andaman Is; Borneo
<i>C. titthaecheilus</i> (? <i>terminus</i>)		Sumatra, Krakatoa I, Nias I, Java; Bali; Lombok; ? Timor; ref. 4.12

Megaerops

- M. ecaudatus* Tail-less fruit bat Thailand – Sumatra,
Borneo
- M. kusnotoi* Java; K
- M. niphanae* NE India, Thailand,
Vietnam; refs. 4.12, 20
- M. wetmorei* Mindanao, Philippines, N
Borneo, Malaya; ref. 4.112

Ptenochirus

- P. jagorii* Philippines
- P. minor* Mindanao, Dinagat,
Palawan Is, Philippines

Dyacopterus

- D. brooksi* Sumatra, Luzon I,
Philippines; K
- D. spadiceus* Dyak fruit bat Malaya – Borneo, ?
Mindanao I, Philippines

Chironax

- C. melanocephalus* Black-capped fruit bat S Thailand – Java, Borneo,
Sulawesi; refs. 4.14, 110

Latidens

- L. salimalii* S India; K

Penthetor

- P. lucasi* Lucas's short-nosed fruit bat Malaya, Borneo

Thoopterus

- T. nigrescens* Swift fruit bat N Sulawesi, Sanghir Is,
Morotai I,
N Moluccas; ? Luzon

Aproteles

- A. bulmerae* E New Guinea; K

Sphaerias

- S. blanfordi* Blanford's fruit bat NE India, S Tibet –
NW Thailand, SW
China

Balionycteris

- B. maculata* Spotted-winged fruit bat S Thailand, Malaya,
Borneo

Aethalops

- A. alecto* Pygmy fruit bat Malaya, Sumatra, Java,
Borneo; ref. 4.12

Haplonycteris

H. fischeri Philippines

Alionycteris

A. paucidentata Mindanao, Philippines; K

Otopteropus

O. cartilagonodus Luzon, Philippines; K

Subfamily Harpyionycterinae***Harpyionycteris***

H. celebensis Sulawesi
H. whiteheadi Harpy fruit bat Philippines

Subfamily Nyctimeninae

Nyctimene; tube-nosed fruit bats; New Guinea, etc.

N. aello Broad-striped tube-nosed bat New Guinea
N. albiventer Common tube-nosed bat N Moluccas, New Guinea, Admiralty Is – Solomon Is, (?) NE Australia W, NW New Guinea; ref. 4.12
N. celaeno Pallas's tube-nosed bat Sulawesi, Timor – W New Guinea, Admiralty Is
N. cephalotes Round-eared tube-nosed bat New Guinea; E New Britain
N. cyclotis Lesser tube-nosed bat S New Guinea; ref. 4.12
N. draconilla Greater tube-nosed bat Bismarck Arch., Trobriand, Louisiade, D'Entrecasteaux, Solomon Is
N. malaitensis Malaita tube-nosed bat Malaita I, E Solomon Is
N. masalai New Ireland; ref. 4.21
N. minutus Lesser tube-nosed bat Sulawesi, Buru, Obi I
N. rabori Negros I, Philippines; ref. 4.22; E
N. robinsoni Queensland tube-nosed bat NE Australia
N. sanctacrucis Santa Cruz Is
N. vizcaccia Ruk I, Bismarck Arch; Solomon Is; ref. 4.21
Paranyctimene
P. raptor Lesser tube-nosed bat New Guinea

Subfamily Macroglossinae***Eonycteris***; dawn fruit bats; SE Asia.

<i>E. major</i>		Borneo; Mentawai Is
<i>E. robusta</i>		Philippines; (in <i>E. major</i> ?)
<i>E. spelaea</i>	Dawn bat	Burma – Java, Sumba,
(<i>rosenbergii</i>)	(Cave fruit bat)	Sulawesi, Philippines, Timor; refs. 4.12, 24, 110

Megaloglossus

<i>M. woermanni</i>	African long-tongued fruit bat	Guinea – Uganda – N Angola
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Macroglossus; long-tongued fruit bats; SE Asia; ref. 4.12.

<i>M. fructivorus</i>		Mindanao, Philippines; (in <i>M. minimus</i> ?)
<i>M. minimus</i> (<i>lagochilus</i>)	Common long-tongued fruit bat	Thailand, Indochina, Philippines – Solomons, NW, N Australia
<i>M. sobrinus</i>	Hill long-tongued fruit bat	NE India – Java, Bali

Syconycteris

<i>S. australis</i> (<i>naias</i>) (<i>crassa</i>)	Common blossom bat (Southern blossom bat)	S Moluccas, New Guinea, Bismarck Arch., Trobriand I, D'Entrecasteaux Is, NE Australia; ref. 4.12
<i>S. carolinae</i>		Halmahera, N Moluccas; ref. 4.23
<i>S. hobbit</i>		New Guinea; ref. 4.25

Melonycteris; (*Nesonycteris*).Subgenus *Melonycteris*

<i>M. melanops</i>	Black-bellied fruit bat	Bismarck Arch., New Guinea?
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Subgenus *Nesonycteris*

<i>M. aurantius</i>	Orange fruit bat	Florida, Choiseul Is, Solomons
<i>M. woodfordi</i>	Woodford's fruit bat	Solomons

Notopterus

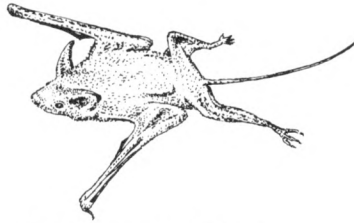
<i>N. macdonaldii</i>	Long-tailed fruit bat	Vanuatu, New Caledonia, Fiji; ? Caroline Is
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African long-tongued bat
(*Megaloglossus woermanni*)

SUBORDER MICROCHIROPTERA

Family Rhinopomatidae



Greater mouse-tailed bat
(*Rhinopoma microphyllum*)

Mouse-tailed bats (rat-tailed bats, long-tailed bats); 3 species; Morocco, Senegal – Thailand, Sumatra; mainly desert and steppe; insectivorous.

Rhinopoma

<i>R. hardwickii</i>	Lesser mouse-tailed bat	Morocco, Mauretania, Nigeria – Kenya – Thailand
<i>R. microphyllum</i>	Greater mouse-tailed bat	Senegal – India; Sumatra
<i>R. muscatellum</i>		S Arabia – W Pakistan

Family Emballonuridae

Sheath-tailed bats (sac-winged bats, pouched bats, ghost bats); c. 49 species; tropics and subtropics of world; insectivorous.

Subfamily Emballonurinae

Emballonura; Old-world sheath-tailed bats; Madagascar, S Burma – Pacific Islands.

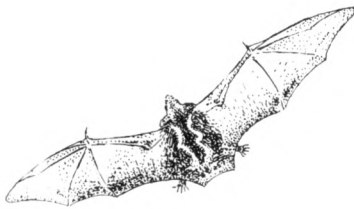
<i>E. alecto</i> (<i>rivalis</i>)	Philippine sheath-tailed bat	Philippines, Borneo – S Moluccas, Tanimbar Is; ref. 4.143
<i>E. atrata</i>	Peters' sheath-tailed bat	Madagascar
<i>E. beccarii</i>	Beccari's sheath-tailed bat	New Guinea, etc.
<i>E. diana</i>	Rennell Island sheath-tailed bat	New Guinea, New Ireland, Malaita, Rennell Is, Solomons; ref. 4.26
<i>E. furax</i>	Greater sheath-tailed bat	New Guinea, New Ireland; ref. 4.26; K
<i>E. monticola</i>	Lesser sheath-tailed bat	S Burma – Sulawesi
<i>E. nigrescens</i>		Sulawesi – Solomons
<i>E. raffrayana</i>	Raffray's sheath-tailed bat	Ceram, NW New Guinea, Solomons, Santa Cruz Is; ref. 4.26; K
<i>E. semicaudata</i> (<i>rotensis</i>)		Vanuatu, Mariana, Palau Is, Samoa, Fiji
<i>E. sulcata</i>		Caroline Is

Coleura

<i>C. afra</i>	African sheath-tailed bat	Africa, Aden
<i>C. seychellensis</i>	Seychelles sheath-tailed bat	Seychelles; ? Zanzibar; E

Rhynchonycteris

<i>R. naso</i>	Long-nosed bat (Tufted bat)	S Mexico – Bolivia, Brazil; Trinidad
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Sac-winged bat
(*Saccopteryx bilineata*)

Saccopteryx

<i>S. bilineata</i>	Greater white-lined bat (Sac-winged bat)	W, E Mexico – Bolivia, Brazil; Trinidad
<i>S. canescens</i>		Colombia – Peru, Brazil
<i>S. gymnura</i>		Brazil; ? Venezuela
<i>S. leptura</i>	Lesser white-lined bat	W Mexico – Peru, Brazil; Trinidad

Cormura

<i>C. brevirostris</i>	Wagner's sac-winged bat	Nicaragua – Peru, Brazil
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Peropteryx

<i>P. kappleri</i>	Greater sac-winged bat (Greater dog-like bat)	S Mexico – E Peru, Surinam, S, E Brazil
<i>P. macrotis</i> (<i>trinitatis</i>)	Lesser sac-winged bat (Lesser dog-like bat)	S Mexico – Peru, Paraguay, Tobago, Grenada, Trinidad, etc.

Peronymus

<i>P. leucopterus</i>		Venezuela, Guianas – E Peru, Brazil
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Centronycteris

<i>C. maximiliani</i>	Shaggy-haired bat (Thomas's bat)	S Mexico – Ecuador, ? E Peru, Brazil, Guianas
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Balantiopteryx; least sac-winged bats.

<i>B. infusca</i>		Ecuador
<i>B. io</i>	Thomas's least sac-winged bat	S Mexico – Guatemala, Belize
<i>B. plicata</i>	Peters' bat	N Mexico – Costa Rica

Taphozous; pouched bats, tomb bats, sheath-tailed bats; Africa, S Asia, Australia.Subgenus *Taphozous*

<i>T. australis</i>	Gould's pouched bat	SE New Guinea, NE Queensland
<i>T. georgianus</i> (? <i>troughtoni</i>)	Sharp-nosed pouched bat	W, N Australia (in <i>T.</i> <i>melanopogon</i> ?)
<i>T. hildegardeae</i>	Hildegarde's tomb bat	Kenya, NE Tanzania, Zanzibar
<i>T. hilli</i>	Hill's pouched bat	W, N Australia; ref. 4.27
<i>T. kapalgensis</i>	White-striped sheath-tailed bat	N Australia; ref. 4.28
<i>T. longimanus</i>	Long-winged tomb bat	India – Java, Flores
<i>T. mauritanus</i>	Mauritian tomb bat	Africa S of Sahara, Madagascar, Aldabra, Mauritius, Reunion, Assumption

<i>T. melanopogon</i>	Black-bearded tomb bat	India – Java, Lesser Sundas, Borneo, Philippines
<i>T. perforatus</i>	Egyptian tomb bat	Senegal – Somalia, Mozambique, Zimbabwe – India
<i>T. solifer</i>		? China
<i>T. theobaldi</i>	Theobald's tomb bat	India – Vietnam; Java

Subgenus *Saccolaimus*

<i>T. flaviventris</i>	Yellow-bellied pouched bat	N, NC, E Australia
<i>T. mixtus</i>	Troughton's pouched bat	S, E New Guinea, N Queensland
<i>T. peli</i>	Pel's pouched bat	Liberia – NE Angola, Kenya
<i>T. pluto</i> (<i>capito</i>)		Philippines; (in <i>T. saccolaimus</i> ?)
<i>T. saccolaimus</i> (<i>nudicluniatus</i>)		India – Sulawesi, Timor, New Guinea, Solomon Is, N, NE Australia

Subgenus *Liponycteris*

<i>T. hamiltoni</i>	Hamilton's tomb bat	Sudan, NW Kenya, ? S Chad; ref. 4.29
<i>T. nudiventris</i>	Naked-rumped tomb bat	Senegal – Somalia, Tanzania, Israel, Arabia, Burma, Cape Verde Is

Subfamily **Diclidurinae*****Diclidurus***; ghost bats (white bats).

<i>D. albus</i>		E Peru, Venezuela, Surinam, Brazil, (?) Trinidad
<i>D. ingens</i>		Colombia – Guyana, NW Brazil
<i>D. scutatus</i>		Venezuela – Surinam, Peru, Brazil
<i>D. virgo</i>	White bat (Northern ghost bat)	W Mexico – Ecuador, Venezuela, Trinidad, Tobago

Depanycteris; (*Drepanycteris*); possibly a subgenus of *Diclidurus*.

<i>D. isabella</i>		Venezuela, Brazil
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Cyttarops

<i>C. alecto</i>	Short-eared bat	Costa Rica, Nicaragua, Guyana, Brazil
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Family Craseonycteridae

One species.

Craseonycteris

C. thonglongyai Hog-nosed bat (Butterfly bat) S Thailand; R



Hog-nosed bat
(*Craseonycteris thonglongyai*)

Family Nycteridae

Slit-faced bats, hollow-faced bats, hispid bats; *c.* 14 species; Africa, SW, SE Asia to Java; chiefly forest and drier areas with trees; insectivorous, (carnivorous).

Nycteris; ref. 4.114

<i>N. arge</i>	Bate's slit-faced bat	Sierra Leone – SW Sudan, W Kenya, W Tanzania, NW Angola, Bioco
<i>N. gambiensis</i>	Gambian slit-faced bat	Senegal – Ghana, Togo (in <i>N. thebaica</i> ?)
<i>N. grandis</i>	Large slit-faced bat	Senegal – Kenya, Tanzania, Mozambique, Zimbabwe; ref. 4.29
<i>N. hispida</i>	Hairy slit-faced bat	Senegal – Ethiopia – S Africa
<i>N. intermedia</i>		Liberia – Zaire, Tanzania
<i>N. javanica</i>	Javan slit-faced bat	Java, Bali, Kangean I, (?) Timor
<i>N. macrotis</i>	Dobson's slit-faced bat (Greater slit-faced bat)	Senegal – Somalia – Zimbabwe, Mozambique
<i>N. madagascariensis</i>		Madagascar
<i>N. major</i>	Ja slit-faced bat	Benin – E, S Zaire, Gabon
<i>N. nana</i>	Dwarf slit-faced bat	Ghana – W Kenya – NE Angola
<i>N. thebaica</i>	Egyptian slit-faced bat	Africa S of Sahara, Morocco, Libya, Egypt, Israel, Jordan, Arabia, S Oman; Corfu (probably vagrant)
<i>N. tragata</i>		S Burma – Sumatra, Borneo
<i>N. vinsoni</i>	Vinson's slit-faced bat	Mozambique
<i>N. woodi</i> (<i>parisii</i>)	Wood's slit-faced bat	Cameroun; Somalia – Tanzania, Zambia, Zimbabwe, Transvaal



Egyptian slit-faced bat
(*Nycteris thebaica*)

Family Megadermatidae

False vampire bats, yellow-winged bats; *c.* 5 species; Africa, SE Asia, Australia; forest, savanna; insectivores, carnivores.



Yellow-winged bat
(*Lavia frons*)

Megaderma; (*Lyroderma*).

<i>M. lyra</i>	Greater false vampire	E Afghanistan – S China, Malaya; Sri Lanka
<i>M. spasma</i>	Lesser false vampire	India – Java, Sulawesi, Philippines – Sangihe Is, N Moluccas, Sri Lanka; ref. 4.143

Macroderma

<i>M. gigas</i>	Australian false vampire (Ghost bat)	W, C, N Australia; (?) S New Guinea; V
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Cardioderma

<i>C. cor</i>	Heart-nosed bat	Ethiopia – N Tanzania, Zanzibar
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Lavia

<i>L. frons</i>	Yellow-winged bat	Senegal – Somalia – Zambia, Zanzibar
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Family Rhinolophidae

Horseshoe bats; *c.* 64 species; Old-world tropics and temperate regions east to Australia; insectivores.

Rhinolophus; (*Rhinomegalophus*).

<i>R. acuminatus</i>	Acuminate horseshoe bat	Thailand – Java – Lombok, Borneo, Palawan
<i>R. adami</i>		Congo Republic
<i>R. affinis</i>	Intermediate horseshoe bat	N India – S China – Java, Lesser Sundas
<i>R. alcyone</i>	Halcyon horseshoe bat	Senegal – NE Zaire, Gabon
<i>R. anderseni</i>		Palawan, ? Luzon, Philippines
<i>R. arcuatus</i> (<i>toxopei</i>)	Arcuate horseshoe bat	Philippines, Borneo, Sumatra, Sulawesi, Moluccas, New Guinea
<i>R. blasii</i>	Blasius' horseshoe bat	N Africa, Italy – Afghanistan, Ethiopia – Transvaal, Natal, Mozambique
<i>R. bocharicus</i>		Turkestan, NE Iran, N Afghanistan
<i>R. borneensis</i> (<i>importunus</i>)	Bornean horseshoe bat	Kampuchea, ? Vietnam, Borneo, Java; ref. 4.12
<i>R. canuti</i>		Java, Timor; ref. 4.115



Lesser horseshoe bat
(*Rhinolophus hipposideros*)

<i>R. capensis</i>	Cape horseshoe bat	S Africa
<i>R. celebensis</i> (<i>javanicus</i>) (<i>madurensis</i>) (<i>parvus</i>)	Sulawesi horseshoe bat	Sulawesi, Sangihe Is, Talaud Is, Java, Kangean Is, Timor; ref. 4.12, 143
<i>R. clivosus</i>	Geoffroy's horseshoe bat	Arabia – Algeria, Ethiopia – Zambia, S Africa
<i>R. coelophyllus</i>	Croslet horseshoe bat (Peters' horseshoe bat)	Burma – Malaya
<i>R. cognatus</i>		Andaman Is
<i>R. cornutus</i>	Little Japanese horseshoe bat	Japan, Ryukyu Is; ? E China
<i>R. creaghi</i>	Creagh's horseshoe bat	Borneo, Madura I
<i>R. darlingi</i>	Darling's horseshoe bat	Nigeria, Tanzania – Namibia – Mozambique
<i>R. deckenii</i>	Decken's horseshoe bat	Kenya, Tanzania
<i>R. denti</i>	Dent's horseshoe bat	Guinea; Mozambique – Namibia, S Africa
<i>R. eloquens</i>		S Sudan – S Somalia – N Tanzania
<i>R. euryale</i>	Mediterranean horseshoe bat	Portugal, Morocco – Iran
<i>R. euryotis</i>	Broad-eared horseshoe bat	Sulawesi, Moluccas, New Guinea, New Britain, Kiriwina I, Aru Is
<i>R. ferrumequinum</i>	Greater horseshoe bat	Britain, Morocco – N India, Japan
<i>R. fumigatus</i>	Rüppell's horseshoe bat	Senegal – N Ethiopia – S Africa
<i>R. guineensis</i>		Senegal – Sierra Leone; ref. 4.30
<i>R. hildebrandtii</i>	Hildebrandt's horseshoe bat	Ethiopia, Somalia – Botswana, Transvaal
<i>R. hipposideros</i>	Lesser horseshoe bat	Britain, Ireland – N India, NE Africa
<i>R. imaizumii</i>		Iriomote I, Ryukyu Is; ref. 4.31
<i>R. inops</i>		Mindanao, Philippines
<i>R. keyensis</i>	Insular horseshoe bat	Moluccas, Wetter I, Kei Is
<i>R. landeri</i>	Lander's horseshoe bat	Senegal – Somalia – Angola, Transvaal, Mozambique
<i>R. lepidus</i> (<i>refulgens</i>) (<i>feae</i>) (<i>osgoodi</i>)	Blyth's horseshoe bat	Afghanistan – S China – Sumatra; ref. 4.31
<i>R. luctus</i>	Woolly horseshoe bat	India, Sri Lanka – S China – Java, Bali, Borneo

<i>R. maclaudi</i> (<i>hilli</i>) (<i>ruwenzorii</i>)	Maclaud's horseshoe bat	Guinea, E Zaire, W Uganda, Rwanda
<i>R. macrotis</i> (<i>hirsutus</i>)	Big-eared horseshoe bat	Nepal – Malaya, Sumatra, Philippines
<i>R. malayanus</i>	N Malayan horseshoe bat	Thailand – Vietnam, Malaya
<i>R. marshalli</i>	Marshall's horseshoe bat	Thailand, Vietnam, N Malaya; ref. 4.147
<i>R. megaphyllus</i>	Southern horseshoe bat (Eastern horseshoe bat)	New Guinea, New Ireland, New Britain, E Australia
<i>R. mehelyi</i>	Mehely's horseshoe bat	Portugal, Morocco – Afghanistan
<i>R. mitratus</i>		C India; status doubtful
<i>R. monoceros</i>		Taiwan
<i>R. nereis</i>		Anamba Is, Natuna Is
<i>R. paradoxolophus</i>	Bourret's horseshoe bat	Thailand, Vietnam
<i>R. pearsonii</i>	Pearson's horseshoe bat	NE India – S China, Indochina; ref. 4.116
<i>R. philippinensis</i>	Philippines horseshoe bat (Large-eared horseshoe bat)	Philippines, Borneo – Sulawesi, Timor, NE Queensland
<i>R. pusillus</i> (<i>gracilis</i>) (<i>blythi</i>) (<i>minutillus</i>)	Least horseshoe bat	Tibet, NE India, S China – Java, Borneo
<i>R. rex</i>		S China
<i>R. robinsoni</i>	Peninsular horseshoe bat	NW Thailand, Malaya
<i>R. rouxii</i> (<i>petersi</i>)		India, S China, Vietnam, Sri Lanka
<i>R. rufus</i>		Philippines
<i>R. sedulus</i>	Lesser woolly horseshoe bat	Malaya, Borneo
<i>R. shameli</i>	Shamel's horseshoe bat	Burma – Cambodia
<i>R. silvestris</i>		Gabon, Congo Rep.
<i>R. simplex</i>	Lombok horseshoe bat	Lesser Sunda Is
<i>R. simulator</i>	Bushveld horseshoe bat	Nigeria, Cameroun – Ethiopia – Transvaal, etc.
<i>R. stheno</i>	Lesser brown horseshoe bat	Thailand – Java
<i>R. subbadius</i>		N India – Vietnam
<i>R. subrufus</i>		Philippines
<i>R. swinnyi</i>	Swinny's horseshoe bat	S Zaire, Zanzibar – S Africa
<i>R. thomasi</i>	Thomas's horseshoe bat	Burma, Yunnan – Indochina
<i>R. trifoliatus</i>	Trefoil horseshoe bat	N India – Java, Borneo
<i>R. virgo</i>		S Philippines
<i>R. yunanensis</i>	Dobson's horseshoe bat	NE India, Yunnan, Thailand; ref. 4.116

Family Hipposideridae

Old-world leaf-nosed bats, trident bats; c. 66 species; tropics and subtropics of Africa, S Asia – Philippines, Vanuatu, N Australia; forest, savanna; insectivores.

Hipposideros; (*Syndesmotis*)

<i>H. abae</i>	Aba leaf-nosed bat	Guinea – S Sudan, Uganda
<i>H. armiger</i>	Himalayan leaf-nosed bat	N India – Malaya, Taiwan
<i>H. ater</i>	Dusky leaf-nosed bat	India – Java – Bismarck Arch., NW, N Australia; Philippines
<i>H. beatus</i>	Dwarf leaf-nosed bat	Liberia – SW Sudan, Gabon
<i>H. bicolor</i>	Bicolored leaf-nosed bat	S Thailand – Java, Lesser Sunda Is, Philippines; refs. 4.118, 143
<i>H. breviceps</i>		N Pagi I, Mentawai Is
<i>H. caffer</i>	Sundevall's leaf-nosed bat	Africa, Arabia
<i>H. calcaratus</i> (<i>cupidus</i>)	Spurred leaf-nosed bat	New Guinea, Bismarck Arch. – Solomon Is; ref. 4.32
<i>H. camerunensis</i>	Greater cyclops bat	Cameroun, E Zaire, Kenya
<i>H. cervinus</i>	Gould's leaf-nosed bat	Malaya, Sumatra, Philippines – Vanuatu, NE Australia; ref. 4.33
<i>H. cineraceus</i> (? <i>wrighti</i>)	Least leaf-nosed bat	N India – Malaya, Borneo, ? Philippines
<i>H. commersoni</i>	Commerson's leaf-nosed bat	Gambia – Somalia – Angola, Mozambique; Transvaal, Madagascar
<i>H. coronatus</i>		Philippines
<i>H. corynophyllus</i>		E New Guinea, ref. 4.117
<i>H. coxi</i>	Cox's leaf-nosed bat	Sarawak, Borneo
<i>H. crumeniferus</i>	Timor leaf-nosed bat	Timor I; status doubtful
<i>H. curtus</i>	Short-tailed leaf-nosed bat	Cameroun, Nigeria, Bioco
<i>H. cyclops</i>	Cyclops leaf-nosed bat	Guinea – Gabon – SW Kenya; Bioco
<i>H. diadema</i>	Diadem leaf-nosed bat	Burma – Java, Philippines, Borneo, New Guinea, Solomons, N Australia
<i>H. dinops</i>	Fierce leaf-nosed bat	Sulawesi, Peling I, Solomons
<i>H. doriae</i>		Sarawak, Borneo
<i>H. durgadasi</i>		C India; refs. 4.34, 35
<i>H. dyacorum</i>	Dyak leaf-nosed bat	Malaya, Borneo; ref. 4.146
<i>H. fuliginosus</i>	Sooty leaf-nosed bat	Guinea – Cameroun, Ethiopia, Zaire
<i>H. fulvus</i>	Fulvous leaf-nosed bat	Afghanistan – India – Sri Lanka
<i>H. galeritus</i>	Cantor's leaf-nosed bat (Fawn leaf-nosed bat)	Sri Lanka, India – Java, Borneo; ref. 4.33



Diadem leaf-nosed bat
(*Hipposideros diadema*)

<i>H. halophyllus</i>		Thailand; ref. 4.36
<i>H. inexpectatus</i>	Crested leaf-nosed bat	N Sulawesi
<i>H. jonesi</i>	Jones' leaf-nosed bat	Guinea – Nigeria
<i>H. lamottei</i>		Mt Nimba, Guinea; ref. 4.37
<i>H. lankadiva</i>		India, Sri Lanka
<i>H. larvatus</i>	Horsfield's leaf-nosed bat	N India, S China – Java, Sumba, Borneo
<i>H. lekaguli</i>	Lekagul's leaf-nosed bat	S Thailand, Malaya
<i>H. lylei</i>	Shield-faced leaf-nosed bat	Burma – Malaya
<i>H. macrobullatus</i>		Sulawesi; Kangean Is, Seram; ref. 4.118
<i>H. maggietailorae</i>	Maggie's leaf-nosed bat	New Guinea, Bismarck Arch.; ref. 4.32
<i>H. marisae</i>	Aellen's leaf-nosed bat	Ivory Coast – Guinea
<i>H. megalotis</i>	Big-eared leaf-nosed bat	Ethiopia, Kenya
<i>H. muscinus</i>	Fly River leaf-nosed bat	Papua New Guinea
<i>H. nequam</i>	Malay leaf-nosed bat	Malaya
<i>H. obscurus</i>		Philippines
<i>H. papua</i>	Geelvink Bay leaf-nosed bat	N Moluccas, Biak I, W New Guinea; ref. 4.143; R
<i>H. pomona</i>		India – Thailand, S China; ref. 4.118
<i>H. pratti</i>	Pratt's leaf-nosed bat	SW China, Vietnam
<i>H. pygmaeus</i>		Philippines
<i>H. ridleyi</i>	Ridley's leaf-nosed bat	Malaya, Borneo; ref. 4.12; I
<i>H. ruber</i>	Noack's leaf-nosed bat	Senegal – Ethiopia – Angola
<i>H. sabanus</i>	Sabah leaf-nosed bat	Malaya, Sumatra, Borneo
<i>H. schistaceus</i>		India
<i>H. semoni</i>	Semon's leaf-nosed bat	E New Guinea, NE Queensland
<i>H. speoris</i>	Schneider's leaf-nosed bat	India, Sri Lanka
<i>H. stenotis</i>	Narrow-eared leaf-nosed bat	NW, N Australia
<i>H. turpis</i>	Lesser leaf-nosed bat	S Thailand, Ryukyu Is
<i>H. wollastoni</i>	Wollaston's leaf-nosed bat	New Guinea
<i>Asellia</i>		
<i>A. patrizii</i>	Patrizi's trident bat	Ethiopia
<i>A. tridens</i>	Trident bat	Morocco, Senegal – Pakistan
<i>Aselliscus</i>		
<i>A. stoliczkanus</i>	Stoliczka's trident bat	Burma, S China – Indochina, Penang I
<i>A. tricuspis</i>	Temminck's trident bat	Moluccas – Vanuatu

Anthops

A. ornatus Flower-faced bat Solomon Is

Cloeotis; ref. 4.38.

C. percivali Short-eared trident bat Kenya – SE Botswana –
(Percival's trident bat) Mozambique, Transvaal,
Swaziland

Rhinonycteris; (*Rhinionictoris*); ref. 4.38.

R. aurantius Orange leaf-nosed bat NW, N Australia; K

Triaenops; ref. 4.38.

T. furculus Trouessart's trident bat Madagascar, Aldabra,
Picard, Cosmoledo Is
T. persicus Persian trident bat Congo Rep. – Angola,
(? *humbloti*) Mozambique – S Arabia
(? *rufus*) – Pakistan; Madagascar

Coelops

C. frithii Tail-less leaf-nosed bat E India, S China – Java,
Bali, Taiwan

C. robinsoni Malayan tail-less leaf-nosed S Thailand, Malaya,
(*hirsutus*) bat Borneo, Mindoro,
Philippines

Paracoelops

P. megalotis Vietnam

Family Noctilionidae

Bulldog bats (hare-lipped bats, mastiff bats, fisherman bats); 2 species; New-world tropics; insectivorous, piscivorous.

Noctilio

N. albiventris Lesser bulldog bat Honduras – N Argentina
N. leporinus Greater bulldog bat SW, S Mexico – N
(Fisherman bat) Argentina, Antilles,
Trinidad, S Bahamas



Fisherman bat
(*Noctilio leporinus*)

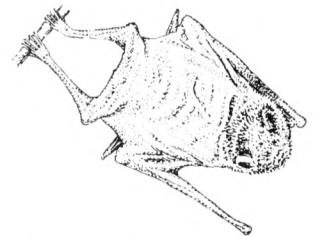
Family Mormoopidae

Naked-backed bats, moustached bats, ghost-faced bats; c. 8 species; S USA – Brazil, Greater and Lesser Antilles; insectivorous.

Pteronotus

Subgenus *Pteronotus*

P. davyi Davy's naked-backed bat Mexico – Peru, Lesser
Antilles, Trinidad
P. gymnotus Big naked-backed bat S Mexico – E Peru, Brazil
(*suapurensis*)



Davy's naked-backed bat
(*Pteronotus davyi*)

Subgenus *Chilonycteris*

<i>P. macleayii</i>	Macleay's moustached bat	Cuba, I of Pines, Jamaica
<i>P. personatus</i>	Wagner's moustached bat	N Mexico – Brazil, Trinidad
<i>P. quadridens</i> (<i>fuliginosus</i>)	Sooty moustached bat	Greater Antilles; ref. 4.39

Subgenus *Phylloдия*

<i>P. parnellii</i>	Parnell's moustached bat	NE Mexico – E Peru, Brazil, Trinidad, Greater Antilles
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Mormoops; (*Aello*).

<i>M. blainvillii</i> (<i>cuvieri</i>)	Antillean ghost-faced bat	Greater Antilles; † C Bahamas; ref. 4.40
<i>M. megalophylla</i>	Peters' ghost-faced bat	S USA – Peru, Venezuela, Trinidad, † Cuba



California leaf-nosed bat
(*Macrotus californicus*)

Family Phyllostomidae

New-world leaf-nosed bats; *c.* 152 species; New-world tropics and subtropics; insectivorous, carnivorous, frugivorous; mainly forest.

Subfamily Phyllostominae

Micronycteris; big-eared bats; Mexico – Peru, Brazil.

Subgenus *Micronycteris*

<i>M. megalotis</i>	Brazilian big-eared bat	W, S Mexico – E Venezuela, Brazil, Peru; Trinidad, etc., Grenada
<i>M. minuta</i>	Gervais' big-eared bat	Nicaragua – E Peru, Bolivia, Brazil, Trinidad
<i>M. schmidtorum</i>	Schmidt's big-eared bat	S Mexico, Guatemala – Colombia

Subgenus *Xenoctenes*; (possibly synonymous with *Micronycteris*); ref. 4.41.

<i>M. hirsuta</i>	Hairy big-eared bat	Honduras – E Peru, Brazil, Trinidad
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Subgenus *Lampronnycteris*

<i>M. brachyotis</i>	Dobson's big-eared bat	S Mexico – C Brazil; Trinidad
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Subgenus *Neonycteris*

<i>M. pusilla</i>		E Colombia, NW Brazil
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Subgenus *Trinycteris*

M. nicefori Niceforo's big-eared bat S Mexico – NE Peru,
Brazil, Trinidad

Subgenus *Glyphonycteris*

M. behnii S Peru, C Brazil
M. sylvestris Brown big-eared bat W, S Mexico – E Peru, SE
(Large-eared forest bat) Brazil, Trinidad

Barticonycteris; (*Micronycteris*).

B. daviesi Davies' large-eared bat Costa Rica, Panama, E
Peru, Guyana, Surinam,
Brazil; refs. 4.42, 43

Macrotus; big-eared bats; leaf-nosed bats; SW USA – Guatemala, W Indies.

M. californicus California leaf-nosed bat S California, S Nevada,
Arizona, NW Mexico;
(in *M. waterhousii*?); ref.
4.40

M. waterhousii Waterhouse's leaf-nosed bat N Mexico – Guatemala,
Bahamas, Greater
Antilles

Lonchorhina; sword-nosed bats; S Mexico – Peru, Brazil, Trinidad.

L. aurita Tomes' long-eared bat S Mexico – E Peru,
Bolivia, Brazil, Trinidad,
Bahamas (accidental;
ref. 4.7)

L. fernandezi Venezuela; ref. 4.44

L. marinkellei E Colombia

L. orinocensis C Venezuela, Colombia

Macrophyllum

M. macrophyllum Long-legged bat S Mexico – N Argentina

Tonatia; round-eared bats; S Mexico – N Argentina.

T. bidens Spix's round-eared bat Guatemala – E Peru, E
Brazil, Trinidad,
Jamaica

T. brasiliense Venezuela – Brazil;
Trinidad

T. carrikeri Venezuela, E Peru, Bolivia,
Guianas

T. evotis Davis's round-eared bat S Mexico – Honduras

T. minuta Pygmy round-eared bat S Mexico – E Peru; (in *T.*
(*nicaraguae*) *brasiliense*?); ref. 4.45

T. schulzi Guianas, N Brazil; ref.
4.46

T. silvicola D'Orbigny's round-eared bat Honduras – N Argentina

T. venezuelae Venezuela; (in *T. brasiliense*?); ref. 4.45

Mimon; Gray's spear-nosed bats; S Mexico – Bolivia, Brazil.

Subgenus *Mimon*

M. bennettii Bennett's spear-nosed bat Guyana, Surinam, SE Brazil
M. cozumelae Cozumel spear-nosed bat S Mexico – N Colombia; (in *M. bennettii*?)

Subgenus *Anthorhina*

M. crenulatum (koepckeae) Striped spear-nosed bat S Mexico – Peru, Bolivia, Brazil, Trinidad

Phyllostomus; spear-nosed bats; S Mexico – Bolivia, N Argentina.

P. discolor Pale spear-nosed bat S Mexico – N Argentina
P. elongatus Colombia, Guianas – E Peru, Bolivia, SE Brazil
P. hastatus Greater spear-nosed bat Honduras – Peru – Paraguay; Trinidad
P. latifolius SE Colombia, Guyana, Surinam, C Brazil

Phylloderma; perhaps in *Phyllostomus*; ref. 4.148.

P. stenops Peters' spear-nosed bat S Mexico – Peru, NE Brazil; Surinam, Trinidad

Trachops

T. cirrhosus Fringe-lipped bat S Mexico – E Peru, Bolivia, S Brazil; Trinidad

Chrotopterus

C. auritus Peters' woolly false vampire bat S Mexico – Paraguay, N Argentina

Vampyrum

V. spectrum American false vampire bat S Mexico – Peru, SW Brazil, Trinidad, Jamaica (accidental ?)
 (Linnaeus's false vampire bat)

Subfamily Glossophaginae

Glossophaga; long-tongued bats; Mexico – N Argentina, W Indies, Bahamas.

G. commissarisi Commissari's long-tongued bat W Mexico – Panama; Colombia, N Peru, W Brazil

<i>G. leachii</i> (<i>alticola</i>)	Davis's long-tongued bat	C Mexico – Costa Rica; ref. 4.47
<i>G. longirostris</i>	Miller's long-tongued bat	Colombia, Venezuela, Lesser Antilles, Trinidad, etc.; ref. 4.119
<i>G. morenoi</i> (<i>mexicana</i>) (<i>brevirostris</i>)		S Mexico; refs. 4.47, 120
<i>G. soricina</i>	Pallas's long-tongued bat	N Mexico – N Argentina, Trinidad etc., Jamaica, Bahamas

Monophyllus

<i>M. plethodon</i>	Barbados long-tongued bat (Insular long-tongued bat)	Lesser Antilles, † Puerto Rico
<i>M. redmani</i>	Jamaican long-tongued bat (Leach's long-tongued bat)	Cuba, Hispaniola, Puerto Rico, Jamaica, S Bahamas

Leptonycteris; Saussure's long-tongued bats; SW USA – Venezuela; ref. 4.149.

<i>L. curasoae</i>		Colombia, Venezuela, Curaçao I, etc.
<i>L. nivalis</i>	Big long-nosed bat	SE Arizona, W Texas – Mexico, ? Guatemala; V
<i>L. yerbabuenae</i> (<i>sanborni</i>)	Little long-nosed bat	S Arizona, New Mexico – El Salvador; in <i>L.</i> <i>curasoae</i> ?; ref. 4.149; V

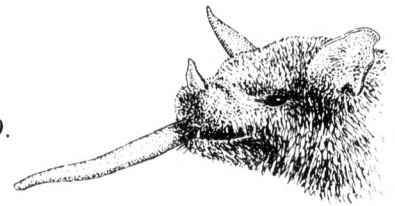
Lonchophylla

<i>L. bokermanni</i>		SE Brazil
<i>L. concava</i>	Goldman's long-tongued bat	Costa Rica, Panama, ? Peru; (in <i>L. mordax</i> ?)
<i>L. dekeyseri</i>		Brazil; ref. 4.48
<i>L. handleyi</i>		Colombia, Ecuador, Peru; ref. 4.49
<i>L. hesperia</i>		Peru, Ecuador
<i>L. mordax</i>	Brazilian long-tongued bat	Colombia, Ecuador, Bolivia, Brazil, ? Peru
<i>L. robusta</i>	Panama long-tongued bat	Nicaragua – Peru
<i>L. thomasi</i>	Thomas's long-tongued bat	Panama, Peru, Bolivia, Brazil, Guianas

Lionycteris

<i>L. spurrelli</i>	Little long-tongued bat	Panama, E Peru, Ecuador, N Brazil, Venezuela, Guianas
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Anoura; Geoffroy's long-nosed bats; Mexico – Brazil, NW Argentina.



Big long nosed bat
(*Leptonycteris nivalis*)

<i>A. caudifera</i>		Colombia, Venezuela – E Peru, E Brazil, N Argentina
<i>A. cultrata</i> (<i>brevirostrum</i>) (<i>werckleae</i>)		Costa Rica, Panama, Venezuela, Colombia, Peru
<i>A. geoffroyi</i>	Geoffroy's tail-less bat	N Mexico – NW Argentina; Trinidad, Grenada
<i>A. latidens</i>		Venezuela – Peru; ref. 4.50
<i>Scleronycteris</i>		
<i>S. ega</i>		Venezuela, Brazil
<i>Lichonycteris</i>		
<i>L. obscura</i> (<i>degener</i>)	Brown long-nosed bat	Guatemala – Peru, Bolivia, Surinam; ref. 4.121
<i>Hylonycteris</i>		
<i>H. underwoodi</i>	Underwood's long-tongued bat	W, S Mexico – W Panama
<i>Platalina</i>		
<i>P. genovensium</i>		Peru
<i>Choeroniscus</i> ; long-tailed bats; Mexico – Peru, Brazil.		
<i>C. godmani</i>	Godman's bat	W Mexico – Colombia – Surinam
<i>C. intermedius</i>		Trinidad, E Peru, Brazil, Guianas
<i>C. minor</i> (<i>inca</i>)		Bolivia – Colombia – Guianas, Brazil
<i>C. periosus</i>		W Colombia
<i>Choeronycteris</i>		
<i>C. mexicana</i>	Mexican long-tongued bat	S California, S Arizona, S New Mexico – Honduras, (?) NW Venezuela
<i>Musonycteris</i> ; (<i>Choeronycteris</i>).		
<i>M. harrisoni</i>	Banana bat	W, C Mexico
Subfamily Carolliinae		
<i>Carollia</i> ; short-tailed leaf-nosed bats; Mexico – E Peru, Bolivia, S Brazil.		
<i>C. brevicauda</i>	Silky short-tailed bat	E Mexico – E Peru, Bolivia, E Brazil
<i>C. castanea</i>	Allen's short-tailed bat	Honduras – E Peru, Bolivia, Venezuela, Guianas

- C. perspicillata* Seba's short-tailed bat S Mexico – S Brazil,
Paraguay; Trinidad,
Tobago, Grenada,
? Jamaica, (?) N
Argentina
- C. subrufa* Hahn's short-tailed bat W Mexico – Nicaragua

Rhinophylla

- R. alethina* W Colombia, Ecuador
- R. fischeriae* Colombia – E Peru, NW
Brazil
- R. pumilio* Bolivia – Colombia –
Guianas

*(Rhinophylla pumilio)***Subfamily Sturnirinae**

Sturnira; yellow-shouldered bats, American epauletted bats; Mexico – N Argentina, Uruguay, ? Chile, Trinidad, Lesser Antilles, Jamaica.

Subgenus *Sturnira*

- S. aratathomasi* Venezuela, W Ecuador
- S. bogotensis* Bolivia – Venezuela
- S. erythromos* Bolivia – Venezuela
- S. lilium* Yellow-shouldered bat N Mexico – N Argentina,
Uruguay, ? Chile;
Trinidad, Lesser
Antilles, ? Jamaica
- S. ludovici* Anthony's bat N Mexico – Ecuador,
Venezuela
- S. luisi* Costa Rica – Peru; ref. 4.51
- S. magna* Amazonian Colombia –
Bolivia
- S. mordax* Hairy-footed bat Costa Rica
(Talamancan bat)
- S. oporaphilum* Bolivia; ref. 4.52
- S. thomasi* Sofaian bat Guadeloupe, Lesser
(Thomas's epauletted
bat) Antilles
- S. tilda* Bolivia – Guianas, Brazil,
Trinidad

Subgenus *Corvira*

- S. bidens* E Peru – Venezuela, Brazil
- S. nana* S Peru

Subfamily Stenoderminae

Uroderma; tent-building bats; Mexico – S Peru, Bolivia, SE Brazil, Trinidad.

- U. bilobatum* Tent-building bat S Mexico – S Peru, Bolivia,
(Tent-making bat) SE Brazil, Trinidad

*Tent-building bat
(Uroderma bilobatum)*

<i>U. magnirostrum</i>	Davis' bat	S Mexico – E Peru, N Bolivia, Brazil
<i>Vampyrops</i> ; (<i>Platyrrhinus</i>); broad-nosed bats, white-lined bats; S Mexico – N Argentina, Paraguay, Uruguay.		
<i>V. aurarius</i>		E Venezuela – Surinam; (in <i>V. dorsalis</i> ?)
<i>V. brachycephalus</i>		Colombia – E Peru, Guianas
<i>V. dorsalis</i>	Thomas's broad-nosed bat	Panama – Bolivia, ? Venezuela
<i>V. helleri</i>	Heller's broad-nosed bat	S Mexico – Paraguay, Brazil, Trinidad
<i>V. infuscus</i>		Colombia – Bolivia, Brazil
<i>V. lineatus</i> (<i>recifinus</i>)		Colombia, E Peru, Guianas, C, E Brazil – Uruguay
<i>V. umbratus</i> (<i>oratus</i>) (<i>aquilus</i>)		Colombia, Venezuela; ref. 4.53
<i>V. vittatus</i>	Greater broad-nosed bat	Costa Rica – Bolivia, Venezuela
<i>Vampyrodes</i>		
<i>V. caraccioli</i>	Great striped-faced bat	Venezuela – Surinam, Trinidad, Tobago
<i>V. major</i> (<i>ornatus</i>)	San Pablo bat	S Mexico – Bolivia, N Brazil; (in <i>V. caraccioli</i> ?); ref. 4.40
<i>Vampyressa</i> ; yellow-eared bats; S Mexico – E Peru, Brazil, Guyana.		
Subgenus <i>Vampyressa</i>		
<i>V. melissa</i>		Panama, Colombia, Peru
<i>V. pusilla</i>	Little yellow-eared bat	S Mexico – Peru, SE Brazil, E Paraguay
Subgenus <i>Vampyriscus</i>		
<i>V. bidens</i>		Colombia – Bolivia, N Brazil, Guyana, Surinam
<i>V. brocki</i>		Colombia – Surinam, Brazil
<i>V. nympheaea</i>	Big yellow-eared bat	Nicaragua – W Colombia
<i>Chiroderma</i> ; white-lined bats; big-eyed bats; Mexico – Peru, Bolivia, Brazil, Trinidad, Guadeloupe, Lesser Antilles.		
<i>C. doriae</i>		E Brazil
<i>C. improvisum</i>	Guadeloupe white-lined bat	Guadeloupe, Montserrat, Lesser Antilles

<i>C. salvini</i>	Salvin's white-lined bat	W, C Mexico – Bolivia, Venezuela
<i>C. trinitatum</i>	Goodwin's bat	Panama, E Peru, Bolivia, Brazil, Trinidad, Tobago
<i>C. villosum</i>	Shaggy-haired bat	S Mexico – E Peru, Bolivia, Brazil, Trinidad, Tobago

Ectophylla; refs. 4.54, 55.

<i>E. alba</i>	White bat	Nicaragua – W Panama
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Mesophylla; refs. 4.55, 56.

<i>M. macconnelli</i>	McConnell's bat	Costa Rica – E Peru, Bolivia, Brazil, Trinidad
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Artibeus; American fruit bats; Mexico – Peru, Bolivia, Brazil, Trinidad, Bahamas, Antilles; ref. 4.122.

<i>A. amplus</i>		Colombia, Venezuela, ? Guyana; ref. 4.122
<i>A. anderseni</i>		Bolivia – Peru, W Brazil, French Guiana
<i>A. aztecus</i>	Highland fruit-eating bat	W, C Mexico – W Panama
<i>A. cinereus</i>	Gervais' fruit-eating bat	Venezuela, Brazil, Guianas, Trinidad, Tobago, Grenada
<i>A. concolor</i>		Colombia, Venezuela – E Peru, Brazil, Guianas
<i>A. fraterculus</i>		S Ecuador, N Peru
<i>A. fuliginosus</i>		Peru – Colombia – Brazil, French Guiana
<i>A. glaucus</i> (<i>bogotensis</i>)		Venezuela – Peru, Bolivia, Guyana
<i>A. gnomus</i>		Venezuela, Peru, Brazil, Guyana; ref. 4.122
<i>A. hirsutus</i>	Hairy fruit-eating bat	W Mexico
<i>A. inopinatus</i>	Honduran fruit-eating bat	El Salvador, Honduras, Nicaragua; (in <i>A.</i> <i>hirsutus</i> ?)
<i>A. intermedius</i>		C, NE Mexico – Panama, Colombia; ref. 4.57
<i>A. jamaicensis</i>	Jamaican fruit-eating bat	Mexico – Paraguay, Brazil, Bahamas, Antilles, Trinidad
<i>A. lituratus</i>	Great fruit-eating bat	S Mexico – N Argentina, Lesser Antilles, Trinidad, Tobago
<i>A. phaeotis</i>	Dwarf fruit-eating bat (Pygmy fruit-eating bat)	W Mexico – E Peru; Guyana
<i>A. planirostris</i>		Guianas – Colombia – N Argentina



Jamaican fruit-eating bat
(*Artibeus jamaicensis*)

<i>A. pumilio</i>		Peru
<i>A. toltecus</i>	Lowland fruit-eating bat	C Mexico – Panama
<i>A. watsoni</i>	Thomas's fruit-eating bat	S Mexico – Colombia
<i>Enchisthenes</i> ; possibly a subgenus of <i>Artibeus</i> .		
<i>E. hartii</i>	Little fruit-eating bat	NE Mexico – Bolivia; S Arizona, Trinidad
<i>Ardops</i>		
<i>A. nichollsi</i>	Tree bat	Lesser Antilles
<i>Phyllops</i> ; fig-eating bats, falcate-winged bats.		
<i>P. falcatus</i>	Cuban fig-eating bat	Cuba; † I of Pines
<i>P. haitiensis</i>	Dominican fig-eating bat	Hispaniola
<i>Ariteus</i>		
<i>A. flavescens</i>	Jamaican fig-eating bat	Jamaica
<i>Stenoderma</i>		
<i>S. rufum</i>	Red fruit bat (Desmarest's fig-eating bat)	Puerto Rico, Virgin Is
<i>Pygoderma</i>		
<i>P. bilabiatum</i>	Ipanema bat	Surinam – Paraguay, N Argentina
<i>Ametrida</i>		
<i>A. centurio</i>		Venezuela, Guianas, Brazil, Trinidad, etc.
<i>Sphaeronycteris</i>		
<i>S. toxophyllum</i>		Colombia, E Peru – Venezuela, Bolivia
<i>Centurio</i>		
<i>C. senex</i>	Wrinkle-faced bat	W, NE Mexico – Venezuela, Trinidad, etc.
Subfamily Phyllonycterinae		
<i>Brachyphylla</i> ; ref. 4.58.		
<i>B. cavernarum</i>	St Vincent fruit-eating bat (Antillean fruit-eating bat)	Puerto Rico, Lesser Antilles, Virgin Is
<i>B. nana</i> (<i>pumila</i>)	Cuban fruit-eating bat	Cuba, I of Pines, Grand Cayman, S Bahamas, Hispaniola, † Jamaica
<i>Erophylla</i> ; Greater Antilles.		
<i>E. bombifrons</i>	Brown flower bat	Hispaniola, Puerto Rico; refs. 4.40, 59

E. sezekorni Buffy flower bat Bahamas, Cuba, I of Pines,
Jamaica, Cayman Is

Phyllonycteris

Subgenus *Phyllonycteris*

P. major† Puerto Rican flower bat Puerto Rico, probably
extinct
P. poeyi Cuban flower bat Cuba, I of Pines,
(*obtusa*) Hispaniola; K

Subgenus *Reithronycteris*

P. aphylla Jamaican flower bat Jamaica; K

Subfamily Desmodontinae

Vampire bats; S USA – C Chile, N Argentina, Uruguay.

Desmodus

D. rotundus Common vampire bat N Mexico – C Chile, N
Argentina, Uruguay,
Trinidad, † Cuba

Diaemus; possibly congeneric with *Desmodus*; ref. 4.56.

D. youngi White-winged vampire NE Mexico – E Peru – N
Argentina, Brazil;
Trinidad

Diphylla

D. ecaudata Hairy-legged vampire bat S Texas – E Peru, S Brazil

Family Natalidae

Funnel-eared bats, long-legged bats; c. 5 species; Mexico – Brazil, Bahamas, Antilles.

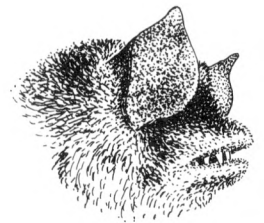
Natalus

Subgenus *Natalus*

N. stramineus Mexican funnel-eared bat N Mexico – Brazil,
(*major*) Guianas, Antilles,
(*espiritasantensis*) † Cuba; refs. 4.60, 61
N. tumidirostris Colombia – Surinam;
Trinidad, Curacao I

Subgenus *Chilonatalus*

N. micropus Cuban funnel-eared bat Jamaica, Cuba,
(*macer*) (Jamaican long-legged Hispaniola, Old
(*brevimanus*) bat) Providence I, off
Nicaragua



Mexican funnel-eared bat
(*Natalus stramineus*)

N. tumidifrons

Bahamas

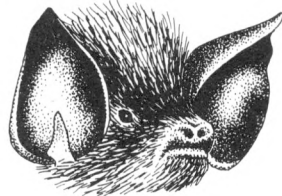
Subgenus *Nyctiellus**N. lepidus*

Gervais' funnel-eared bat

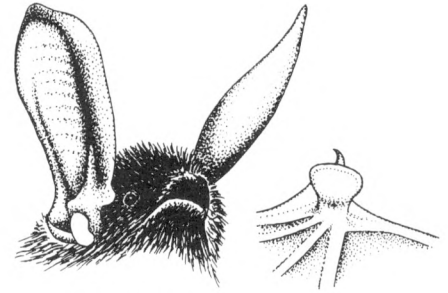
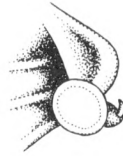
Bahamas, Cuba, Isle of Pines



Eastern smoky bat
(*Furipterus horrens*)



Spix's disk-winged bat
(*Thyroptera tricolor*)



Sucker-footed bat
(*Myzopoda aurita*)

Family Furipteridae

Smoky bats, thumbless bats; 2 species; Panama – N Chile, Brazil, Guianas, Trinidad.

Furipterus

F. horrens

Eastern smoky bat

Costa Rica – E Peru,
Guianas, SE Brazil,
Trinidad

Amorphochilus

A. schnablii

W Ecuador – N Chile

Family Thyropteridae

Disc-winged bats, New-world sucker-footed bats; 2 species; S Mexico – Peru, S, E Brazil.

Thyroptera

*T. discifera*Peters' disc-winged bat
(Honduran disc-winged
bat)Nicaragua – Bolivia,
Guianas, Brazil*T. tricolor*

Spix's disc-winged bat

S Mexico – Bolivia,
Guianas, S, E Brazil,
Trinidad

Family Myzopodidae

One species.

Myzopoda

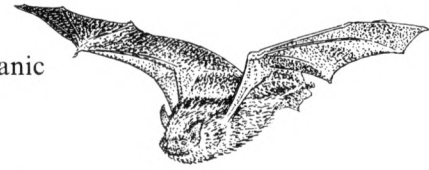
M. aurita

Sucker-footed bat

Madagascar; K

Family Vespertilionidae

Vespertilionid bats; c. 350 species; cosmopolitan except some small oceanic islands, Arctic and Antarctic regions beyond limits of tree growth.



Big brown bat
(*Eptesicus fuscus*)

Subfamily Vespertilioninae; refs. 4.123, 124

Myotis; mouse-eared bats, little brown bats; cosmopolitan, except some oceanic islands, Arctic, Antarctic; subgeneric classification unstable.

Subgenus *Myotis*

<i>M. altarium</i>		S China, N Thailand; ref. 4.126
<i>M. blythii</i>	Lesser mouse-eared bat	Spain, Morocco – N India – S China
<i>M. bocagii</i>	Rufous mouse-eared bat	Liberia – Kenya – Angola, Transvaal; S Yemen
<i>M. chinensis</i>	Large myotis	S China, N Thailand
<i>M. emarginatus</i>	Geoffroy's bat	SW Europe – Turkestan, Afghanistan, N Africa
<i>M. goudoti</i>	Malagasy mouse-eared bat	Madagascar; Anjouan I, Comoro Is.
<i>M. morrisoni</i>		Ethiopia, Nigeria; ref. 4.151
<i>M. myotis</i>	Large mouse-eared bat	SW Europe – Asia Minor; Azores; ref. 4.67; K
<i>M. pequinus</i>		E China
<i>M. sicarius</i>		Nepal, Sikkim
<i>M. tricolor</i> (<i>loveni</i>)	Cape Hairy bat	Liberia, Ethiopia – S Africa; refs. 4.125, 1.144

Subgenus *Chrysopteron*

<i>M. formosus</i> (<i>rufopictus</i>) (<i>weberi</i>) (<i>bartelsii</i>)	Hodgson's bat (Orange-winged bat)	E Afghanistan – Korea, Taiwan, Philippines, Sulawesi, Java, Bali; (K)
<i>M. hermani</i>	Herman's bat	NW Sumatra; R
<i>M. welwitschii</i>	Welwitsch's hairy bat	Ethiopia – Angola, S Africa

Subgenus *Cistugo*

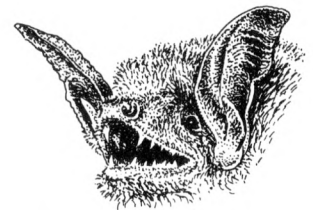
<i>M. leseuri</i>	Leseur's hairy bat	Cape Province, S Africa (in <i>M. seabrai</i> ?); ref. 4.66
<i>M. seabrai</i>	Angola wing-gland bat (Angola hairy bat)	Angola – Cape Province, S Africa

Subgenus *Selysius*

<i>M. abei</i>		Sakhalin I
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<i>M. aelleni</i>		SW Argentina
<i>M. annectans</i>	Hairy-faced bat	NE India, N Thailand
<i>M. atacamensis</i>		S Peru, N Chile
<i>M. ater</i>		Siberut I, Borneo, Philippines, Sulawesi – New Guinea
<i>M. australis</i>		New South Wales (in <i>M.</i> <i>ater</i> ?); ref. 4.12
<i>M. austroriparius</i>	South-eastern myotis	N Carolina – Indiana – Louisiana, Florida
<i>M. brandtii</i>	Brandt's bat	France, Britain – E Siberia, Hokkaido; ref. 4.127
<i>M. californicus</i>	California myotis	Alaska – Guatemala
<i>M. carteri</i>		W Mexico; ref. 4.63
<i>M. chiloensis</i>		Chile
<i>M. ciliolabrum</i>		SW Canada – Nebraska, Oklahoma, W Mexico; ref. 4.107
<i>M. cobanensis</i>	Guatemalan myotis	Guatemala; status doubtful
<i>M. dominicensis</i>	Dominican myotis	Dominica, Lesser Antilles
<i>M. elegans</i>	Elegant myotis	Mexico – Costa Rica
<i>M. findleyi</i>	Findley's myotis	Tres Marias Is, W Mexico; ref. 4.63
<i>M. fortidens</i>	Cinnamon myotis	W Texas – Guatemala; ref. 4.65
<i>M. frater</i>		Turkestan – E Siberia, SE China, Japan
<i>M. hosonoi</i>		N, C Honshu, Japan
<i>M. ikonnikovi</i>		E Siberia, N Korea, Sakhalin, Hokkaido
<i>M. insularum</i>		? Samoa; status doubtful
<i>M. keaysi</i>	Hairy-legged myotis	NE Mexico – Venezuela – Peru; Trinidad
<i>M. leibii</i>	Least brown bat (Small-footed myotis)	SE Canada – Oklahoma, Georgia; ref. 4.107
<i>M. levis</i>		S Brazil – Paraguay, Uruguay, Argentina
<i>M. martiniquensis</i>	Schwarz's myotis	Martinique, Barbados, Lesser Antilles
<i>M. montivagus</i>	Burmese whiskered bat	S India – S China, Malaya, Borneo
<i>M. muricola</i> (<i>browni</i>) (<i>herrei</i>)		Afghanistan – Taiwan, Philippines, Moluccas, Lesser Sunda Is
<i>M. mystacinus</i>	Whiskered bat	Ireland – Japan, Tibet, N India; Morocco
<i>M. nesopulos</i>		NW Venezuela, Curacao I, Bonaire I; ref. 4.68

<i>M. nigricans</i>	Black myotis	W, NE Mexico – N Argentina, Paraguay; Trinidad, Tobago, Grenada
<i>M. oreias</i>	Singapore whiskered bat	Singapore I
<i>M. oxyotus</i>	Montane myotis	Costa Rica – Peru, N Bolivia
<i>M. oxensis</i>		C Honshu, Japan
<i>M. patriciae</i>		Mindanao, Philippines
<i>M. peninsularis</i>	Peninsular myotis	Baja California
<i>M. planiceps</i>	Flat-headed myotis	N Mexico
<i>M. ridleyi</i>	Ridley's bat	Malaya, Borneo, ? Sumatra
<i>M. riparius</i>	Riparian myotis	Honduras – Peru – Uruguay; Trinidad
<i>M. rosseti</i>	Thick-thumbed myotis	Thailand, Kampuchea
<i>M. ruber</i>		SE Brazil, Paraguay, N Argentina
<i>M. scotti</i>	Scott's mouse-eared bat	Ethiopia
<i>M. siligorensis</i>	Himalayan whiskered bat	N India – S China – Malaya, Borneo; ref. 4.69
<i>M. sodalis</i>	Social bat (Indiana myotis)	C E USA; V
<i>M. surinamensis</i>		? Surinam; status doubtful
<i>M. velifer</i>	Cave myotis	S USA – Honduras
<i>M. volans</i>	Long-legged myotis (Hairy-winged ba?)	Alaska – S Mexico
<i>M. yessoensis</i>		Hokkaido, Japan; ref. 4.70
<i>M. yumanensis</i>	Yuma myotis	British Columbia – C USA – C Mexico
Subgenus <i>Hesperomyotis</i>		
<i>M. simus</i>		Colombia – Paraguay
Subgenus <i>Paramyotis</i>		
<i>M. auriculus</i>	Mexican long-eared myotis	New Mexico, Arizona – Guatemala
<i>M. bechsteinii</i>	Bechstein's bat	Spain, England – W Russia, Caucasus, Iran
<i>M. evotis</i>	Long-eared myotis	NW Mexico
<i>M. keenii</i> (<i>septentrionalis</i>)	Keen's myotis	Alaska – Washington, Manitoba – Newfoundland – Florida
<i>M. milleri</i>	Miller's myotis	Baja California
Subgenus <i>Isotus</i>		
<i>M. bombinus</i>		E Asia, Japan; ref. 4.62
<i>M. nattereri</i>	Natterer's bat	W Europe – Urals – Israel; N Africa



Large mouse-eared bat
(*Myotis myotis*)

<i>M. schaubi</i> (<i>araxenus</i>)		Armenia, W Iran; ref. 4.62
<i>M. thysanodes</i>	Fringed myotis	SW Canada – S Mexico
Subgenus <i>Leuconoe</i>		
<i>M. adversus</i>	Long-footed bat	Taiwan, Malaya – Solomon Is, Vanuatu, N, E Australia
<i>M. albescens</i>	Silver-tipped myotis	S Mexico – N Argentina, Uruguay
<i>M. capaccinii</i>	Long-fingered bat	Spain – Uzbekistan; N Africa; V
<i>M. dasynceme</i>	Pond bat	E France – Manchuria; K
<i>M. daubentonii</i> (<i>petax</i>) (<i>nathalinae</i>)	Daubenton's bat	Portugal, Britain – E Siberia, Manchuria, Sakhalin, Japan; ref. 4.64
<i>M. fimbriatus</i> <i>M. grisescens</i>	Grey myotis	Fujian, SE China Oklahoma – Kentucky – Georgia; E
<i>M. hasseltii</i>		Sri Lanka; Burma – Malaya, Java, Borneo
<i>M. horsfieldii</i> (<i>dryas</i>) (<i>peshwa</i>) (? <i>jeannei</i>)		India – S China, Java, Bali, Sulawesi, ? Philippine Is
<i>M. longipes</i>		Afghanistan, Kashmir, ? Vietnam
<i>M. lucifugus</i>	Little brown myotis	Alaska, SE Canada – C Mexico
<i>M. macrodactylus</i>		E Siberia, S Kurile Is, Japan
<i>M. macrotarsus</i>		Philippines, Borneo
<i>M. pruinosus</i>		N Honshu, Japan
<i>M. stalkerii</i>		Kei Is, New Guinea
Subgenus <i>Rickettia</i>		
<i>M. ricketti</i>	Rickett's big-footed bat	E China
<i>Pizonyx</i> ; (probable subgenus of <i>Myotis</i>)		
<i>P. vivesi</i>	Fish-eating bat	NW Mexico; coasts, islands
<i>Lasionycteris</i>		
<i>L. noctivagans</i>	Silver-haired bat	Alaska, S Canada — NE Mexico; Bermuda
<i>Eudiscopus</i>		
<i>E. denticulosus</i>	Disc-footed bat	Burma, Laos

Pipistrellus; (*Vespertilio*, *Perimyotis*, refs. 4.71, 123, 124); pipistrelles, serotines; Europe, Africa — Solomon Is, Australia, Tasmania; S Canada – Honduras.

Subgenus *Pipistrellus*

<i>P. abramus</i>		E Siberia – Vietnam, Taiwan; ref. 4.123
<i>P. adamsi</i>		N Australia; ref. 4.128
<i>P. aero</i>		NW Kenya, ? Ethiopia
<i>P. angulatus</i>	Greater New Guinea pipistrelle	New Guinea, Bismarck Arch., Solomons; refs. 4.12, 72, 128
<i>P. babu</i>		Afghanistan, Xizang, N, C India – Burma, ? China
<i>P. ceylonicus</i>	Kelaart's pipistrelle	Pakistan – S China, Vietnam, Borneo, Sri Lanka
<i>P. collinus</i>		Papua New Guinea; ref. 4.128
<i>P. coromandra</i>	Indian pipistrelle	E Afghanistan – S China, Sri Lanka, Nicobar Is
<i>P. crassulus</i>	Broad-headed pipistrelle	Cameroun, C Zaire
<i>P. deserti</i>	Desert pipistrelle	Algeria – Egypt, N Sudan, Burkina Faso
<i>P. endoi</i>		Honshu, Japan
<i>P. inexpectatus</i>	Aellen's pipistrelle	Benin – Uganda, ? Sudan; ref. 4.74
<i>P. javanicus</i>	Javan pipistrelle	Burma, Thailand – Java, Flores I, Lesser Sunda Is, Borneo, Sulawesi, Talaud Is, Philippines, ? N Australia; ref. 4.143
<i>P. kuhlii</i>	Kuhl's pipistrelle	SW Europe – Kashmir, Africa; Cape Verde Is
<i>P. maderensis</i>	Madeira pipistrelle	Madeira, Canary Is
<i>P. mimus</i>	Indian pygmy pipistrelle	Afghanistan – Thailand, S China; Sri Lanka
<i>P. minahassae</i>	Minahassa pipistrelle	N Sulawesi
<i>P. murrayi</i>		Christmas I, Indian Ocean, ? Cocos Keeling Is; (in <i>P. tenuis</i> ?)
<i>P. nanulus</i>	Tiny pipistrelle	Sierra Leone – Uganda; ref. 4.74
<i>P. nathusii</i>	Nathusius' pipistrelle	Spain – Urals, Caucasus
<i>P. paterculus</i>		NE India – S China; ref. 4.123
<i>P. peguensis</i>		Pegu, S Burma
<i>P. permixtus</i>	Dar-es-Salaam pipistrelle	Tanzania
<i>P. pipistrellus</i>	Common pipistrelle	W Europe, Morocco – Kashmir, ? Korea, Japan, Taiwan



(*Pipistrellus subflavus*)

<i>P. rueppelli</i>	Ruppell's bat	N Africa, Senegal – Tanzania – Transvaal, Egypt, Israel, Iraq
<i>P. rusticus</i>	Rusty bat	Ghana – Ethiopia – Namibia – Transvaal
<i>P. sturdeeii</i>		Bonin Is, S of Japan
<i>P. tenuis</i> (<i>papuanus</i>)		S Thailand – Java, Borneo, Philippines, Sulawesi, Timor, New Guinea, Bismarck Arch.; refs. 4.12, 72, 123, 128
<i>P. wattsi</i>		SE New Guinea; ref. 4.128
<i>P. westralis</i>		N, W Australia; (in <i>P.</i> <i>tenuis</i> ?); refs. 4.12, 72, 89, 123, 128
Subgenus <i>Vespadelus</i> (<i>Eptesicus</i>), (<i>Nycterikaupius</i> ; ref. 4.124); refs. 4.123, 129		
<i>P. baverstocki</i>		C Australia; ref. 4.128
<i>P. caurinus</i>		NW Australia
<i>P. darlingtoni</i> (<i>sagittula</i>)		SE Australia, Tasmania, Lord Howe I
<i>P. douglasorum</i>	Yellow-lipped bat	NW Australia
<i>P. finlaysoni</i>		W, C Australia; ref. 4.129
<i>P. pumilus</i>	Little bat	E Australia
<i>P. regulus</i>	King River bat	SW, S, SE Australia
<i>P. troungtoni</i>		E, NE Australia; ref. 4.129
<i>P. vulturinus</i>	Little forest bat	SE Australia, Tasmania
Subgenus <i>Perimyotis</i> ; refs. 4.71, 123, 124		
<i>P. subflavus</i>	Eastern pipistrelle	SE Canada – Guatemala, Honduras
Subgenus <i>Hypsugo</i> ; ref. 4.123, 124		
<i>P. anchietae</i> (<i>bicolor</i>)	Anchieta's pipistrelle	Angola, S Zaire, Zambia, Transvaal; ref. 4.123
<i>P. anthonyi</i>		N Burma
<i>P. arabicus</i>		N Oman; ref. 4.73
<i>P. ariel</i>	Desert pipistrelle	Egypt, Sudan, Israel; ref. 4.130
<i>P. austenianus</i>		Burma (in <i>P. savii</i> ?)
<i>P. bodenheimeri</i>	Bodenheimer's pipistrelle	Israel, SW Arabia, Oman, ? Socotra I
<i>P. cadornae</i>	Cadorna's pipistrelle	NE India – Thailand
<i>P. curtatus</i>		Enggano I, Sumatra; ref. 4.12
<i>P. eisentrauti</i>	Eisentraut's pipistrelle	Liberia, Ivory Coast, Cameroun, Kenya, Somalia; refs. 4.144, 145

? <i>P. helios</i>		Kenya, Sudan; ref. 4.123
<i>P. hesperus</i>	Western pipistrelle (Canyon bat)	Washington – C Mexico
<i>P. imbricatus</i>		Java, Borneo, Philippines, ? Sulawesi; refs. 4.12, 72
<i>P. joffrei</i>	Joffre's pipistrelle	Burma
<i>P. kitcheneri</i>		Borneo
<i>P. lophurus</i>		S Thailand, S Burma
<i>P. macrotis</i>		Malaya, Sumatra, Bali; ref. 4.14
<i>P. musciculus</i>	Least pipistrelle	Sierra Leone, Cameroun, C Zaire, Gabon
<i>P. nanus</i>	Banana bat	Sierra Leone – Somalia – S Africa; Madagascar
<i>P. pulveratus</i>	Chinese pipistrelle	S China, Hainan, Thailand
<i>P. savii</i>	Savi's pipistrelle	Iberia – Korea, Japan, Afghanistan; N Africa, Canary, Cape Verde Is
<i>P. stenopterus</i>		Malaya, Sumatra, Borneo, Philippines

Subgenus *Falsistrellus*; refs. 4.123, 128

<i>P. affinis</i>		India, NE Borneo, Yunnan
<i>P. mackenziei</i>		SW Australia; ref. 4.128
<i>P. mordax</i>		Java
<i>P. petersi</i>	Peters' pipistrelle	N Borneo – S Moluccas; (in <i>P. affinis</i> ?); ref. 4.131

Subgenus *Neoromicia* (*Eptesicus*); ref. 4.123

<i>P. brunneus</i>	Dark brown serotine	Liberia – C Zaire; ref. 4.144
<i>P. capensis</i> (<i>melckorum</i>)	Cape serotine	Africa S of Sahara; ref. 4.132
<i>P. flavescens</i>	Yellow serotine	Angola, Burundi; ref. 4.77
<i>P. guineensis</i>	Tiny serotine	Senegal – Ethiopia, NE Zaire, Kenya
<i>P. rendalli</i>	Rendall's serotine	Gambia – Somalia – Mozambique, Botswana
<i>P. somalicus</i> (<i>zuluensis</i>)	Somali serotine	Guinea-Bissau – Somalia – Kenya – S Africa; ? Madagascar
<i>P. tenuipinnis</i>	White-winged serotine	Guinea – Kenya – Angola

Subgenus *Arielulus*; ref. 4.123

<i>P. circumdatus</i>	Gilded black pipistrelle	N Burma, Malaya, Java
<i>P. cuprosus</i>		Borneo; ref. 4.14
<i>P. societatis</i>		Malaya

Scotozous

S. dormeri India, Pakistan

Nyctalus

N. aviator Korea, Japan, E China
N. azoreum Azores Is; ref. 4.75
N. lasiopterus Giant noctule SW Europe – Caucasus, Iran; N Africa
N. leisleri Lesser noctule (Leisler's bat) Madeira, Canary Is, N Africa, W Europe – Kashmir
N. montanus E Afghanistan – N India
N. noctula Noctule Britain, Algeria, W Europe – China, Japan, Taiwan, Vietnam, ? Malaya; ref. 4.76

Glischropus

G. javanus Java; K
G. tylopus Thick-thumbed pipistrelle Burma – Sumatra, Borneo, Palawan, N Moluccas

Laephotis; Africa S of Sahara.

L. angolensis Angola, S Zaire
L. botswanae Botswana long-eared bat NE Namibia – Zambia – Transvaal
L. namibensis Namib long-eared bat Namibia, SW Cape Prov.
L. wintoni De Winton's long-eared bat Ethiopia, Kenya, Tanzania

Philetor

P. brachypterus New Guinea brown bat E Nepal, Malaya – New Guinea, Bismarck Arch., Philippines; refs. 4.80, 81

HesperoptenusSubgenus *Hesperoptenus*

H. doriae False serotine bat Malaya, Borneo

Subgenus *Milithronycteris*

H. blanfordi Blanford's bat S Burma – Malaya, Borneo
H. gaskelli Sulawesi; ref. 4.12
H. tickelli Tickell's bat India – Thailand, Andaman Is, Sri Lanka, S China
H. tomesi Malaya, Borneo

Chalinolobus; Australia.

C. dwyeri Large pied bat C, S Queensland – E New South Wales

<i>C. gouldii</i> (<i>neocaledonicus</i>)	Gould's wattled bat	Australia, Tasmania, New Caledonia
<i>C. morio</i>	Chocolate wattled bat	S Australia, Tasmania
<i>C. nigrogriseus</i>	Hoary bat (Frosted bat)	SE New Guinea, Fergusson I, N Australia
<i>C. picatus</i>	Little pied bat	C, S Queensland – Victoria
<i>C. tuberculatus</i>	Long-tailed bat	New Zealand

Scotoecus; Africa – N India.

<i>S. albigula</i>		Somalia, Kenya, Zambia, Malawi, Angola; ref. 4.133, 145
<i>S. albofuscus</i>	Light-winged lesser house bat (Thomas's house bat)	Senegal – Tanzania, S Malawi, Mozambique, ? Zambia
<i>S. hindei</i>		Ghana – Somalia – Tanzania – Angola
<i>S. hirundo</i>		Senegal – Ethiopia; refs. 4.74, 84
<i>S. pallidus</i>		Pakistan, N India

Nycticeinops; ref. 4.123.

<i>N. schlieffenii</i>	Schlieffen's bat	Mauretania – Egypt – Namibia, Transvaal, Natal, SW Arabia
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Scoteanax; (*Nycticeius*); ref. 4.85.

<i>S. rueppellii</i>	Rüppell's broad-nosed bat (Greater broad-nosed bat)	E Queensland, E New South Wales
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Scotorepens; (*Nycticeius*); ref. 4.85.

<i>S. balstoni</i> (<i>influatus</i>)	Western broad-nosed bat	NW, N, C Australia
<i>S. greyi</i> (<i>caprenus</i>) (<i>aquilo</i>)	Little broad-nosed bat (Grey's bat)	Australia except SW, NE, SE
<i>S. orion</i>		SE Australia
<i>S. sanbornii</i>	Little northern broad-nosed bat	N Australia, S, SE New Guinea



Little broad-nosed bat
(*Scotorepens greyi*)

Eptesicus; (*Vespertilio*); serotines, brown bats; Europe – E Asia, Africa, Alaska – Argentina.Subgenus *Eptesicus*

<i>E. bobrinskoi</i>		SW USSR, NW Iran
<i>E. bottae</i>	Botta's serotine	NE Egypt – Arabia – Turkestan, Iran
<i>E. brasiliensis</i> (<i>andinus</i>)	Brazilian brown bat	S Mexico – Uruguay, SE Argentina; Trinidad, Tobago

<i>E. chiriquinus</i>	Chiriqui brown bat	Panama; (in <i>E. brasiliensis</i> ?); ref. 4.56
<i>E. demissus</i>	Surat serotine	S Thailand
<i>E. diminutus</i>		E, SE Brazil – N Argentina, Uruguay
<i>E. furinalis</i> (<i>montosus</i>)	Argentine brown bat	Mexico – N Argentina; ref. 4.56
<i>E. fuscus</i>	Big brown bat	Alaska, S Canada – Colombia, Venezuela, Greater Antilles, Dominica; ref. 4.78
<i>E. gobiensis</i> (<i>centrasiaticus</i>) (<i>kashgaricus</i>)		S USSR, Gobi; ref. 4.135
<i>E. guadeloupensis</i>	Guadeloupe brown bat	Guadeloupe, Lesser Antilles
<i>E. hottentotus</i>	Long-tailed house bat	Namibia – Mozambique, S Africa
<i>E. innoxius</i>		W Ecuador, NW Peru
<i>E. kobayashii</i>		Korea; status uncertain
<i>E. lynni</i>	Lynn's brown bat	Jamaica
<i>E. nasutus</i> (<i>walli</i>)	Sind bat	SW Arabia – Pakistan; ref. 4.79
<i>E. nilssonii</i>	Northern bat	France, Norway – E. Siberia – Japan, N India
<i>E. pachyotis</i>	Thick-eared bat	Assam – N Thailand
<i>E. platyops</i>	Lagos serotine	Senegal, Nigeria; possibly subspecies of <i>E. serotinus</i> ; ref. 4.134
<i>E. serotinus</i>	Serotine	England, NW Africa, Morocco, W Europe – Thailand, China, Korea NE India; status uncertain
<i>E. tatei</i>		
Subgenus <i>Rhinopterus</i>		
<i>E. floweri</i>	Horn-skinned bat	Mali, S Sudan
Ia		
<i>I. io</i>	Great evening bat	Assam – S China, Indochina, Thailand
Vespertilio		
<i>V. murinus</i>	Particoloured bat	Scandinavia, Siberia – Iran, Afghanistan; vagrant
<i>V. orientalis</i>		E China, Honshu, Taiwan
<i>V. superans</i>		E Siberia, E China, Japan
Histiotus ; big-eared brown bats; Colombia – Chile, Argentina.		
	<i>H. alienus</i>	Brazil, Uruguay



Particoloured bat
(*Vespertilio murinus*)

<i>H. macrotus</i>		S Peru – NW Argentina, Chile
<i>H. montanus</i>		Venezuela, Colombia – Chile, Argentina, Uruguay
<i>H. velatus</i>		Brazil, Paraguay
<i>Tylonycteris</i>		
<i>T. pachypus</i>	Bamboo bat (Lesser club-footed bat) (Flat-headed bat)	India, S China – Java, Lesser Sundas, Borneo, Philippines, Andaman Is
<i>T. robustula</i>	Greater club-footed bat (Flat-headed bat)	SW China – Java, Borneo, Philippines, Sulawesi, Timor; ref. 4.136
<i>Mimetillus</i>		
<i>M. moloneyi</i>	Moloney's flat-headed bat	Sierra Leone – Ethiopia – Angola
<i>Glauconycteris</i> ; Africa S of Sahara.		
<i>G. alboguttatus</i>	Allen's striped bat	E Zaire, Cameroun
<i>G. argentata</i>	Silvered bat	Cameroun – Kenya – NE Angola, Tanzania
<i>G. beatrix</i>	Beatrix bat	Ivory Coast – Kenya
<i>G. egeria</i>	Bibundi bat	Cameroun, Uganda
<i>G. gleni</i>		Cameroun, Uganda
<i>G. kenyacola</i>		E Kenya; ref. 4.82
<i>G. machadoi</i>	Machado's butterfly bat	E Angola; possibly subspecies of <i>G.</i> <i>variegata</i> ; ref. 4.83
<i>G. poensis</i>	Abo bat	Senegal – Uganda; ref. 4.74
<i>G. superba</i>	Pied bat	Ivory Coast, Ghana, NE Zaire
<i>G. variegata</i>	Butterfly bat	Senegal – Somalia – S Africa
<i>Scotomanes</i>		
<i>S. emarginatus</i>		India
<i>S. ornatus</i>	Harlequin bat	NE India – S China, Vietnam
<i>Scotophilus</i> ; Africa, SE Asia; classification in Africa uncertain; refs. 4.108, 138, 139, 144.		
<i>S. borbonicus</i>		Reunion, Madagascar; refs. 4.17, 87, 138, 139
<i>S. celebensis</i>	Sulawesi yellow bat	N Sulawesi
<i>S. dinganii</i>	African yellow house bat	Senegal – Somalia – S Africa

<i>S. heathii</i>	Asiatic greater yellow house bat	Afghanistan – S China, Hainan, Vietnam, Sri Lanka
<i>S. kuhlii</i>	Asiatic lesser yellow house bat	Pakistan – Hainan – Timor, Aru Is, Philippines, Taiwan
<i>S. leucogaster</i>		Mauritania – Somalia, Aden; ? Namibia, Botswana; ref. 4.108
<i>S. nigrita</i> (<i>gigas</i>)	Greater brown bat (Giant yellow bat)	Senegal – S Sudan – Mozambique
<i>S. nigrnellus</i>		Mali, Ivory Coast – Ethiopia; (in <i>S. borbonicus?</i>); ref. 4.108, 138, 139
<i>S. nucella</i>		Ghana, Uganda; ref. 4.109
<i>S. nux</i>		Sierra Leone – Kenya; ref. 4.138, 139
<i>S. robustus</i>		Madagascar; (in <i>S. dinganii?</i>)
<i>S. viridis</i>	Lesser yellow house bat	Tanzania, Angola, S Africa; (in <i>S. borbonicus?</i>); refs. 4.87, 108, 138, 139

Lasiurus; (*Nycteris*; ref. 4.40); hairy-tailed bats.

Subgenus *Lasiurus*

<i>L. borealis</i> (<i>pfeifferi</i>) (<i>degelidus</i>) (<i>minor</i>) (<i>brachyotis</i>)	Red bat	S Canada – C Chile, Argentina; Bahamas, Trinidad, Greater Antilles, Puerto Rico, Bermuda, Galapagos; ref. 4.40
<i>L. castaneus</i> <i>L. cinereus</i>	Tacarcuna bat Hoary bat	Panama NC, S Canada – C Chile, C Argentina; Hawaii, Galapagos; Iceland, Orkney, Bermuda, (vagrant)
<i>L. seminolus</i>	Seminole bat	E USA, Bermuda, (vagrant)

Subgenus *Dasypterus*

<i>L. ega</i>	Southern yellow bat	SW USA – Argentina, Uruguay
<i>L. egregius</i> <i>L. insularis</i>		Panama, Brazil Cuba, I of Pines; refs. 4.39, 40, 88

L. intermedius Northern yellow bat SE USA, N Mexico –
(Eastern yellow bat) Honduras

Barbastella; barbastelles.

B. barbastellus Western barbastelle England, France, Morocco,
? Senegal – Caucasus
B. leucomelas Eastern barbastelle Israel – Caucasus – N
India,
W China, Japan,
? NE Africa



Western barbastelle
(*Barbastella barbastellus*)

Plecotus; long-eared bats.

Subgenus *Plecotus*

P. auritus Brown long-eared bat Britain, France –
(Common long-eared bat) NE China, Korea,
Japan, ? N India
P. austriacus Grey long-eared bat Spain, S England –
W China, NE India;
Cape Verde Is, N
Africa, Senegal
P. teneriffae Canary Is; ref. 4.137

Subgenus *Corynorhinus*

P. mexicanus Mexican big-eared bat Mexico
P. rafinesquii Rafinesque's big-eared bat SE USA
(Eastern lump-nosed bat)
P. townsendii Townsend's big-eared bat SW Canada, W USA –
(Lump-nosed bat) Mexico; I

Idionycteris; (*Plecotus*).

I. phyllotis Allen's big-eared bat Nevada, Utah – W New
Mexico – C Mexico

Nycticeius

N. humeralis Evening bat S Canada, C, SE USA – E
(*cubanus*) (Twilight bat) Mexico, Cuba

Rhogeessa; C, S America.

R. genowaysi Chiapas, Mexico; ref. 4.86
R. gracilis Slender yellow bat W Mexico
R. minutilla N Venezuela,
NE Colombia
R. mira Least yellow bat Michoacan, C Mexico
R. parvula Little yellow bat W Mexico
R. tumida Central American yellow bat E Mexico – Ecuador,
bat S Brazil, Bolivia;
Trinidad



Pallid bat
(*Antrozous pallidus*)

Baeodon; (*Rhogeessa*).

B. alleni Allen's baeodon W, C Mexico
(Allen's yellow bat)

Otonycteris

O. hemprichii Hemprich's long-eared bat Algeria, Niger – Egypt –
Afghanistan, Kashmir

Euderma

E. maculatum Spotted bat SW USA – N, C Mexico
(Pinto bat)

Antrozous; (*Bauerus*).

A. pallidus Pallid bat Br. Colombia, W, C USA
(*koopmani*) – C Mexico, Cuba;
refs. 4.140, 141

Bauerus; (*Antrozous*); ref. 4.95.

B. dubiaquercus Van Gelder's bat Tres Marias Is, Veracruz;
(*meyeri*) Mexico, Honduras

Subfamily Miniopterinae

Miniopterus; long-fingered bats, bent-winged bats; refs. 4.10, 12, 89, 90, 91.

M. australis Little long-fingered bat Java, Borneo, Philippines –
(*solomonensis*) E Australia, New
Caledonia, Loyalty Is;
ref. 4.91, 92

M. fraterculus Lesser long-fingered bat Malawi – S Africa;
Madagascar, ? Zambia
Ryukyu Is

M. fuscus
(*yayeyamae*)

M. inflatus Greater long-fingered bat Liberia – Somalia,
Madagascar, Zambia,
Mozambique,
M. magnater S China, Malaya – Java,
(*macrodens*) Borneo, New Guinea;
(? *bismarckensis*) ref. 4.91

M. medius SE Asian long-fingered bat S Thailand – Java, New
Guinea, Bismarck Arch.

M. minor Least long-fingered bat Congo Rep. – Tanzania,
Madagascar, Comoro Is

M. pusillus Nicobar Is, Thailand,
(*macrocneme*) Philippines, Sulawesi,
Java – New Caledonia,
Loyalty Is

M. robustior Loyalty Is

M. schreibersii Schreiber's long-fingered Africa, Madagascar, SW
(*oceanensis*) bat Europe – China, Japan,
Philippines, Solomons,
NW, N, E Australia;
ref. 4.91

<i>M. tristis</i>		Sulawesi, Philippines, New Guinea – Solomons, New Hebrides; refs. 4.90, 91
(<i>propitristis</i>)		
(<i>celebensis</i>)		
(<i>insularis</i>)		
(<i>melanesiensis</i>)		

Subfamily Murinae

Murina; tube-nosed bats.

Subgenus *Murina*

<i>M. aenea</i>	Bronze tube-nosed bat	Malaya, Borneo; ref. 4.14
<i>M. aurata</i>	Little tube-nosed bat	Nepal – S China, Thailand; ref. 4.93
<i>M. cyclotis</i>	Round-eared tube-nosed bat	N India – S China – Malaya, Hainan – Borneo, Sri Lanka, (?) Philippines; ref. 4.12
<i>M. florium</i>	Flores tube-nosed bat	Lesser Sunda Is, Sulawesi, Moluccas; New Guinea; Bismarck Arch., N Australia; ref. 4.12, 143, 150
<i>M. huttoni</i>	Hutton's tube-nosed bat	Himalayas – S China, Malaya
<i>M. leucogaster</i>	Greater tube-nosed bat	NE India, China – E Siberia, Japan
(<i>fusca</i>)		
<i>M. puta</i>		Taiwan; status uncertain
<i>M. rozendaali</i>		N Borneo; ref. 4.14
<i>M. silvatica</i>		Japan; ref. 4.94
<i>M. suilla</i>	Brown tube-nosed bat	Malaya – Java, Borneo
(<i>balstoni</i>)		
(<i>canescens</i>)		
<i>M. tenebrosa</i>		Tsushima I, Japan
<i>M. tubinaris</i>		N Pakistan – Vietnam
<i>M. ussuriensis</i>		E, NE Siberia, Sakhalin, Kurile Is; Korea; ref. 4.142

Subgenus *Harpiola*

<i>M. grisea</i>	Peters' tube-nosed bat	NW India
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Harpiocephalus

<i>H. harpia</i>	Hairy-winged bat	India – Vietnam, Taiwan, Sumatra, Java, Borneo, S Moluccas
<i>H. mordax</i>		Burma, ? Borneo; ref. 4.14



Hairy-winged bat
(*Harpiocephalus harpia*)

Subfamily Kerivoulinae

Kerivoula; woolly bats.

<i>K. africana</i>	Tanzanian woolly bat	Tanzania; extinct ?
<i>K. agnella</i>	Louisiade trumpet-eared bat	Sudest I, SE New Guinea; St Aignan's I (= Misima I), Louisiade Arch.
<i>K. argentata</i>	Damara woolly bat	S Kenya – Namibia – S Africa
<i>K. cuprosa</i>	Copper woolly bat	Ghana, S Cameroun, Kenya, Zaire
<i>K. eriophora</i>		Ethiopia; possibly conspecific with <i>K. africana</i>
<i>K. flora</i>		Borneo, ? Bali; Flores I, Lesser Sunda Is; ref. 4.143
<i>K. hardwickii</i>	Hardwick's forest bat	Sri Lanka, India – S China – Java, Bali, ? Sumba I, Lesser Sunda Is, Philippines, Sulawesi, Talaud Is; ref. 4.143
<i>K. intermedia</i>		Borneo, Malaya; ref. 4.14
<i>K. lanosa</i>	Lesser woolly bat	Liberia – Ethiopia – S Africa
<i>K. minuta</i>	Least forest bat	S Thailand, Malaya, Borneo; ref. 4.14
<i>K. muscina</i>	Fly River trumpet-eared bat	C New Guinea
<i>K. myrella</i>	Bismarck trumpet-eared bat	Wetar I, Lesser Sunda Is, Admiralty Is, Bismarck Arch.; ref. 4.143
<i>K. papillosa</i>	Papillose bat	NE India – Java, Borneo, Sulawesi; refs. 4.12, 143
<i>K. pellucida</i>	Clear-winged bat	Philippines, Malaya, Borneo, ? Sumatra, Java
<i>K. phalaena</i>	Spurrell's woolly bat	Liberia, Ghana, Cameroun, Congo Rep., Zaire
<i>K. picta</i>	Painted bat	Sri Lanka, S India – S China – Java, Lesser Sundas, Borneo, Ternate I, Ambon
<i>K. smithii</i>	Smith's woolly bat	Nigeria – E Zaire, Kenya
<i>K. whiteheadi</i>		S Thailand, Malaya, Borneo, Philippines

Phoniscus

<i>P. aerosa</i>	Dubious trumpet-eared bat	? SE Asia; origin and status uncertain
<i>P. atrox</i>	Groove-toothed bat	S Thailand, Malaya, Sumatra, Borneo; ref. 4.14
<i>P. jagorii</i>	Peters' trumpet-eared bat	Samar I, Philippines, Borneo, Java, Sulawesi
<i>P. papuensis</i>	Papuan trumpet-eared bat	SE New Guinea, E Australia

Subfamily Nyctophilinae

Nyctophilus; (*Lamingtona*); ref. 4.96.

<i>N. arnhemensis</i>	Arnhem Land long-eared bat	NW Australia
<i>N. bifax</i>	Northern long-eared bat	N Australia, New Guinea; ref. 4.152
<i>N. geoffroyi</i>	Lesser long-eared bat	Australia, Tasmania
<i>N. gouldi</i>	Gould's long-eared bat	W, E Australia; ref. 4.152
<i>N. microdon</i>	Small-toothed long-eared bat	SE New Guinea
<i>N. microtis</i> (<i>lophorhina</i>)	Papuan long-eared bat	SE New Guinea; ref. 4.96
<i>N. timoriensis</i>	Greater long-eared bat	NW, SW, SE Australia, New Guinea; Tasmania, ? Timor; ref. 4.97
<i>N. walkeri</i>	Pygmy long-eared bat	NW Australia

Pharotis

<i>P. imogene</i>	Big-eared bat	SE New Guinea
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Subfamily Tomopeatinae**Tomopeas**

<i>T. ravidus</i>		NW Peru
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Family Mystacinidae

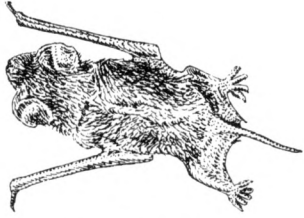
New Zealand short-tailed bats; 2 species.

Mystacina; New Zealand; refs. 4.98, 99.

<i>M. robusta</i>	New Zealand greater short-tailed bat	Solomon I, Big South Cape I; probably extinct
<i>M. tuberculata</i>	New Zealand lesser short-tailed bat	New Zealand; Solomon I, Big South Cape I, Codfish I, Jacky Lee I; V



New Zealand lesser-short tailed bat
(*Mystacina tuberculata*)



Brazilian free-tailed bat
(*Tadarida brasiliensis*)

Family Molossidae

Free-tailed bats; c. 89 species; tropics and subtropics of Old and New Worlds; generic classification unstable; refs. 4.100, 101.

Tadarida; free-tailed bats, mastiff bats; refs. 4.100, 101.

Subgenus *Tadarida*; (*Rhizomops*).

<i>T. aegyptiaca</i>	Egyptian free-tailed bat	Africa, Arabia, Iran – India, Sri Lanka
<i>T. australis</i>	Southern mastiff-bat (white-striped mastiff- bat)	C, S Australia
<i>T. brasiliensis</i>	Brazilian free-tailed bat	W, S USA – C Chile, Argentina, Bahamas, Antilles
<i>T. fulminans</i>	Madagascar large free- tailed bat	E Zaire, Kenya – Transvaal, Madagascar
<i>T. kubiensis</i>	Small-eared mastiff bat	SE New Guinea; (in <i>T.</i> <i>australis</i> ?); ref. 4.100
<i>T. lobata</i>	Kenya big-eared free-tailed bat	Kenya, Zimbabwe
<i>T. teniotis</i>	European free-tailed bat	S Europe, Madeira, Canary Is, N Africa – N India, China, Korea, Japan, Taiwan
<i>T. ventralis</i> (<i>africana</i>)	African giant free-tailed bat	Sudan, Ethiopia – Mozambique, Transvaal

Subgenus *Nyctinomops*

<i>T. aurispinosa</i> (<i>similis</i>)	Peale's free-tailed bat	E, W Mexico, Venezuela, Colombia, Peru, E Brazil
<i>T. femorosacca</i>	Pocketed free-tailed bat	SW USA – S Mexico
<i>T. laticaudata</i> (<i>gracilis</i>) (<i>yucatanica</i>) (<i>europs</i>) (? <i>espiritasantensis</i>)	Broad-tailed bat	NE Mexico – Venezuela – N Argentina, Cuba, Trinidad; refs. 4.60, 61
<i>T. macrotis</i>	Big free-tailed bat	SW British Colombia, E, C USA – Brazil, Uruguay, Paraguay, Greater Antilles

Subgenus *Mops*

<i>T. condylura</i>	Angola free-tailed bat	Senegal – Somalia – S Africa; Madagascar
<i>T. congica</i>	Medje free-tailed bat	Ghana, Nigeria, Cameroun, NE Zaire, Uganda

<i>T. demonstrator</i>	Mongalla free-tailed bat	Burkina Faso, Sudan, NE Zaire, Uganda
<i>T. midas</i>	Midas free-tailed bat	Senegal – Ethiopia – S Africa; Madagascar; SW Arabia
<i>T. mops</i>	Malayan free-tailed bat	Malaya, Sumatra, Borneo, ? Java
<i>T. niangarae</i>	Niangara free-tailed bat	NE Zaire
<i>T. niveiventer</i>	White-bellied free-tailed bat	Zaire – Angola, Zambia, Mozambique
<i>T. sarasinorum</i> (<i>lanei</i>)	Sulawesi mastiff-bat	Sulawesi, Mindanao I, Philippine Is; ref. 4.143
<i>T. trevori</i>		S Sudan, NE Zaire, Uganda

Subgenus *Xiphonycteris*; ref. 4.102

<i>T. brachyptera</i>		Uganda – Tanzania, Mozambique, Zanzibar
<i>T. leonis</i>	Sierra Leone free-tailed bat	Sierra Leone – E Zaire, Uganda, Bioco; (in <i>T.</i> <i>brachyptera</i> ?); refs. 4.102, 144.
<i>T. nanula</i>	Dwarf free-tailed bat	Sierra Leone – Ethiopia, Kenya, Zaire
<i>T. petersoni</i>	Peterson's free-tailed bat	Ghana, Cameroun, ref. 4.102
<i>T. spurrelli</i>	Spurrell's free-tailed bat	Liberia – Rio Muni, Central African Rep. Zaire, Bioco; ref. 4.144
<i>T. thersites</i>	Railer bat	Liberia – S, E Zaire, Bioco, Mozambique, ? Zanzibar

Subgenus *Chaerephon*

<i>T. aloysiisabaudiae</i>	Duke of Abruzzi's free- tailed bat	Ghana, Gabon, N Zaire, Uganda, ? Ethiopia
<i>T. ansorgei</i>	Ansorge's free-tailed bat	Cameroun, Ethiopia – Angola, Transvaal
<i>T. bemmellini</i>	Gland-tailed free-tailed bat	Liberia – S Sudan – N Tanzania
<i>T. bivittata</i>	Spotted free-tailed bat	Ethiopia – Zambia – Mozambique
<i>T. chapini</i>	Chapin's free-tailed bat	W, NE Zaire, Uganda – Namibia, ? Ethiopia
<i>T. gallagheri</i>	Gallagher's free-tailed bat	C Zaire
<i>T. jobensis</i>	Northern mastiff-bat	New Guinea, N Australia, Solomons, Vanuatu, Fiji
<i>T. johorensis</i>	Dato Meldrum's bat	Malaya, Sumatra

<i>T. major</i>	Lappet-eared free-tailed bat	Ghana, Mali – S Sudan – Tanzania
<i>T. nigeriae</i>	Nigerian free-tailed bat	Ghana – Ethiopia, Zimbabwe, Namibia; SW Arabia
<i>T. plicata</i>	Wrinkle-lipped free-tailed bat	Sri Lanka, India – S China – Java, Bali, Borneo, Cocos-Keeling Is, Philippines, Hainan
<i>T. pumila</i>	Little free-tailed bat	Senegal – Somalia – Angola, S Africa, Madagascar, SW Arabia
<i>T. pusillus</i>		Aldabra I, Indian Ocean; (in <i>T. pumila</i> ?)
<i>T. russata</i>	Russet free-tailed bat	Ghana, Cameroun, NE Zaire, Kenya
<i>Mormopterus</i> ; (<i>Tadarida</i> , <i>Micronomus</i>); refs. 4.100, 101.		
<i>M. acetabulosus</i>	Natal wrinkle-lipped bat (Natal free-tailed bat)	Ethiopia, Natal, Madagascar, Mauritius, Reunion
<i>M. beccarii</i>	Beccari's mastiff-bat	Moluccas, New Guinea, N Australia; ref. 4.143
<i>M. doriae</i>		Sumatra
<i>M. jugularis</i>	Peters' wrinkle-lipped bat	Madagascar
<i>M. kalinowskii</i>		Peru, N Chile
<i>M. loriae</i>	Little northern mastiff-bat	New Guinea, N Australia; (in <i>M. planiceps</i> ?)
<i>M. minutus</i>	Little goblin bat	Cuba
<i>M. norfolkensis</i>	Eastern little mastiff-bat (Norfolk island bat)	SE Queensland, E New South Wales, ? Norfolk I
<i>M. phrudus</i>		Peru
<i>M. planiceps</i>	Little mastiff bat	SW, C Australia
<i>Sauromys</i> ; possibly a subgenus of <i>Mormopterus</i> ; refs. 4.100, 101.		
<i>S. petrophilus</i>	Roberts's flat-headed bat (Flat-headed free-tailed bat)	Namibia – Zimbabwe, Mozambique, S Africa
<i>Platymops</i> ; possibly a subgenus of <i>Mormopterus</i> ; refs. 4.100, 101.		
<i>P. setiger</i>	Peters' flat-headed bat	S Sudan, S Ethiopia, Kenya
<i>Otomops</i>		
<i>O. formosus</i>	Java mastiff-bat	Java; K
<i>O. martiensseni</i>	Martienssen's free-tailed bat (Giant mastiff-bat) (Large-eared free-tailed bat)	Ethiopia, Cent. African Rep. – Angola, Natal, Madagascar

<i>O. papuensis</i>	Big-eared mastiff-bat	SE New Guinea
<i>O. secundus</i>	Mantled mastiff-bat	NE New Guinea
<i>O. wroughtoni</i>	Wroughton's free-tailed bat	S India

Myopterus

<i>M. albatus</i>	Banded free-tailed bat	Ivory Coast, NE Zaire
<i>M. daubentonii</i>	Daubenton's free-tailed bat	Senegal; status uncertain
<i>M. whitleyi</i>	Bini free-tailed bat	Ghana – Zaire, Uganda

Cabreramops; (*Molossops*); ref. 4.103.

<i>C. aequatorianus</i>		W Ecuador
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MolossopsSubgenus *Molossops*

<i>M. neglectus</i>		Surinam; ref. 4.104
<i>M. temmincki</i>		Venezuela, Colombia – N Argentina, Uruguay

Subgenus *Cynomops*

<i>M. abrasus</i> (<i>brachymeles</i>)		Guianas – Venezuela – Peru – N Argentina; ref. 4.105
<i>M. greenhalli</i>	Greenhall's dog-faced bat	W Mexico – Ecuador, NE Brazil, Trinidad; ref. 4.106
<i>M. milleri</i>		Peru; (in <i>M. planirostris</i> ?); ref. 4.56
<i>M. paranus</i>		C Mexico, Venezuela, Brazil; (in <i>M.</i> <i>planirostris</i> ?); refs. 4.53, 56, 104
<i>M. planirostris</i>	Southern dog-faced bat	Panama – Peru – N Argentina

Neoplatymops; possibly a subgenus of *Molossops*; ref. 4.100.

<i>N. mattogrossensis</i>		C Venezuela, S Guyana, NE, C Brazil
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Eumops

<i>E. auripendulus</i>	Slouch-eared bat	S Mexico – N Argentina, Trinidad, Jamaica
<i>E. bonariensis</i> (<i>nanus</i>)	Peters' mastiff-bat	S Mexico – C Argentina, Uruguay
<i>E. dabbenei</i>		N Venezuela, N Colombia, N Argentina, Paraguay
<i>E. glaucinus</i>	Wagner's mastiff-bat	S Florida; C Mexico – N Argentina – SE Brazil; Cuba, Jamaica

<i>E. hansae</i>	Sanborn's mastiff-bat	Costa Rica – Peru, Brazil, Guyana
<i>E. maurus</i>	Guianian mastiff-bat	Guyana, Surinam
<i>E. perotis</i> (<i>trumbulli</i>) (? <i>gigas</i>)	Greater mastiff-bat	SW USA – N Mexico, Venezuela – N Argentina; ? Cuba
<i>E. underwoodi</i>	Underwood's mastiff-bat	S Arizona – Nicaragua; ref. 4.65
Promops		
<i>P. centralis</i> (<i>davisoni</i>) (<i>occultus</i>)	Thomas's mastiff-bat	W Mexico – Peru – N Argentina; Trinidad
<i>P. nasutus</i> (<i>pamana</i>)		N Argentina – Venezuela; Trinidad; ref. 4.100
Molossus		
<i>M. ater</i>	Black mastiff-bat	N Mexico – Guyana – Peru, N Argentina, Trinidad
<i>M. barnesi</i>		French Guiana, Brazil
<i>M. bondae</i>	Bonda mastiff-bat	Honduras – Ecuador, NW Venezuela
<i>M. molossus</i> (<i>coibensis</i>)	Pallas' mastiff-bat	N Mexico – N Argentina, Uruguay, Trinidad, Antilles; ref. 4.40
<i>M. pretiosus</i> (<i>macdougalli</i>)	Miller's mastiff-bat	S Mexico – Venezuela, Guyana; ref. 4.40
<i>M. sinaloae</i>	Allen's mastiff-bat	W Mexico – Costa Rica
<i>M. trinitatis</i>	Trinidad mastiff-bat	Costa Rica – Surinam, Trinidad; ref. 4.100
Cheiromeles		
<i>C. parvidens</i>		C Sulawesi, Philippines
<i>C. torquatus</i>	Hairless bat	Malaya – Java, Borneo, Philippines

ORDER PRIMATES

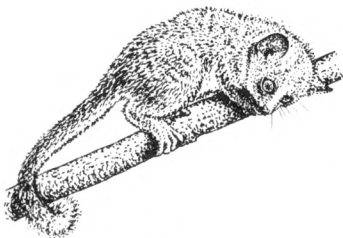
Primates; *c.* 201 species; S, C America, Africa, SE Asia; forest (savanna); mainly arboreal.

Family Cheirogaleidae

Mouse-lemurs, dwarf lemurs; *c.* 7 species; Madagascar; forest; ref. 5.4.

Microcebus; mouse-lemurs.

<i>M. murinus</i>	Lesser mouse-lemur (Grey mouse-lemur)	S, W Madagascar
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Lesser mouse-lemur
(*Microcebus murinus*)

<i>M. rufus</i>	Russet mouse-lemur (Brown mouse-lemur)	E Madagascar
Mirza ; (<i>Microcebus</i>).		
<i>M. coquereli</i>	Coquerel's dwarf lemur	W Madagascar; R
Cheirogaleus ; dwarf lemurs.		
<i>C. major</i>	Greater dwarf lemur	N, E Madagascar
<i>C. medius</i>	Fat-tailed dwarf lemur	S, W Madagascar
Allocebus		
<i>A. trichotis</i>	Hairy-eared dwarf lemur	NE Madagascar; E
Phaner		
<i>P. furcifer</i>	Fork-marked lemur	N, W Madagascar; K

Family Lemuridae

Large lemurs; c. 11 species; Madagascar; mainly forest; ref. 5.4.

Lemur

<i>L. catta</i>	Ring-tailed lemur	S Madagascar
Petterus ; (<i>Lemur</i>); ref. 5.19.		
<i>P. coronatus</i>	Crowned lemur	N Madagascar; K
<i>P. fulvus</i> (<i>albifrons</i>)	Brown lemur	Madagascar; K
<i>P. macaco</i>	Black lemur	NW Madagascar; V/E
<i>P. mongoz</i>	Mongoose-lemur	NW Madagascar, Comoro Is; V
<i>P. rubriventer</i>	Red-bellied lemur	E Madagascar; I

Hapalemur; gentle lemurs.

<i>H. aureus</i>	Golden lemur	SE Madagascar; ref. 5.10; I
<i>H. griseus</i>	Grey gentle lemur	E, N, WC Madagascar; K
<i>H. simus</i>	Broad-nosed gentle lemur	EC Madagascar; E

Varecia; (*Lemur*).

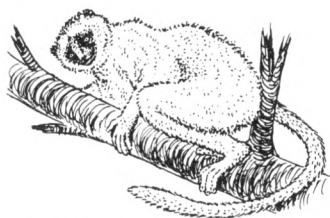
<i>V. variegata</i>	Ruffed lemur	E Madagascar; I
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Lepilemur; sometimes treated as containing seven species; sometimes placed in separate family Lepilemuridae or Megalodapidae.

<i>L. mustelinus</i> (<i>ruficaudatus</i>) (<i>septentrionalis</i>) (<i>dorsalis</i>) (<i>edwardsi</i>) (<i>leucopus</i>) (<i>microdon</i>)	Weasel-lemur, Sportive lemur	Madagascar; K
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Ringtailed lemur
(*Lemur catta*)



Verreaux's sifaka
(*Propithecus verreauxi*)



Aye-aye
(*Daubentonia madagascariensis*)



Lesser bushbaby
(*Galago senegalensis*)

Family Indriidae

Leaping lemurs; 5 species; Madagascar; forest; arboreal; ref. 5.4

Avahi; (*Lichanotus*).

A. laniger Woolly lemur E, NW Madagascar; K

Propithecus; sifakas.

P. diadema Diadem sifaka E, N Madagascar; V
P. tattersalli NE Madagascar; ref. 5.20
P. verreauxi Verreaux's sifaka W, S Madagascar; K

Indri

I. indri Indri NE Madagascar; E

Family Daubentoniidae

One species.

Daubentonia

D. madagascariensis Aye-aye N Madagascar; forest; E

Family Lorisidae

Lorises, bushbabies; c. 15 species; SE Asia, Africa; forest, (savanna); arboreal, omnivorous.

Loris

L. tardigradus Slender loris S India, Sri Lanka

Nycticebus; slow lorises.

N. coucang Slow loris Assam – Java, Borneo,
Philippines (Sulu Arch.)
N. pygmaeus Pygmy slow loris Indochina

Perodicticus

P. potto Potto gibbon Guinea – Zaire – Kenya;
forest

Arctocebus

A. calabarensis Angwantibo R Niger – R Zaire; forest;
K

Galago

G. alleni Allen's bushbaby R Niger – R Zaire; forest
G. granti Grant's bushbaby Mozambique, etc.
G. moholi Southern lesser bushbaby Angola – Mozambique –
Tanzania
G. senegalensis Northern lesser bushbaby Senegal – Somalia –
Tanzania; savanna

Otolemur; (*Galago*); greater bushbabies.

O. crassicaudatus

Angola – Kenya – Natal

O. garnettii

S Somalia –
N Mozambique

Euoticus; (*Galago*); needle-clawed bushbabies; C Africa; forest.

E. elegantulus

Western needle-clawed
bushbaby

R Niger – R Zaire

E. inustus

Eastern needle-clawed
bushbaby

E Zaire

Galagoidea; (*Galago*).

G. demidoff

Demidoff's galago

Senegal – Tanzania; forest

(*demidovii*)

G. zanzibaricus

Zanzibar bushbaby

Kenya – Mozambique,
Zanzibar

Family Tarsiidae

Tarsiers; 4 species; Sumatra, Borneo, Sulawesi; Philippines, etc.

Tarsius

T. bancanus

Western tarsier
(Horsfield's tarsier)

Sumatra, Borneo

T. pumilus

Pygmy tarsier

C Sulawesi; ref. 5.11; I

T. spectrum

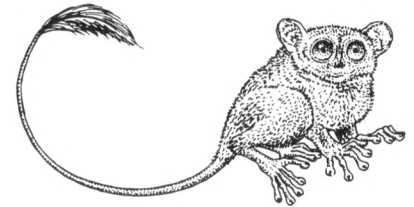
Spectral tarsier

Sulawesi

T. syrichta

Philippine tarsier

Mindanao, Philippines



Tarsier
(*Tarsius bancanus*)

Family Callithricidae

Marmosets, tamarins; c. 19 species; tropical S, C America; forest, (savanna); arboreal; ref. 5.3.

Callithrix; (*Hapale*); marmosets.

C. argentata

Silvery marmoset
(Black-tailed marmoset)

Brazil, Bolivia,
S of Amazon; (V)

C. humeralifer

Santarem marmoset

R Madiera – R Tapajos,
Amazon Basin; V

(*chrysoleuca*)

(*santaremensis*)

C. jacchus

Common marmoset
(White-eared marmoset)

E Brazil; (E)

(*flaviceps*)

(*penicillata*)

(White-headed
marmoset)

(Black-plumed
marmoset)



Pygmy marmoset
(*Cebuella pygmaea*)

Cebuella

C. pygmaea

Pygmy marmoset

Upper Amazon Basin

Saguinus; (*Hapale*, *Leontocebus*); tamarins.

S. bicolor

Bare-faced tamarin

NC Amazon Basin; I

(*martinsi*)

(Martin's tamarin)

<i>S. fuscicollis</i>	Saddle-back tamarin	Upper Amazon Basin
<i>S. imperator</i>	Emperor tamarin	W Brazil, E Peru, N Bolivia; I
<i>S. inustus</i>	Mottle-faced tamarin	NW Brazil, E Colombia
<i>S. labiatus</i>	White-lipped tamarin	C Amazon
<i>S. leucopus</i>	White-footed tamarin	N Colombia; V
<i>S. midas</i> (tamarin)	Red-handed tamarin (Negro tamarin)	N Brazil, Guianas
<i>S. mystax</i>	Moustached tamarin	N Peru, NW Brazil (S of Amazon)
<i>S. nigricollis</i> (<i>graellsii</i>)	Black and red tamarin	NW Brazil, etc.
<i>S. oedipus</i> (<i>geoffroyi</i>)	Cotton-top tamarin, Geoffroy's tamarin	Colombia, Panama; (E)
<i>S. tripartitus</i> (<i>fuscicollis</i>)		Peru; ref. 5.12
<i>Leontopithecus</i> ; (<i>Leontocebus</i> , <i>Leontideus</i>); golden tamarins; ref. 5.5.		
<i>L. chrysomelas</i>	Golden-headed tamarin	SE Bahia, Brazil; E
<i>L. chrysopygus</i>	Golden-rumped tamarin	Sao Paulo, Brazil; E
<i>L. rosalia</i>	Golden lion tamarin	SE Brazil; coastal forest; E
<i>Callimico</i>		
<i>C. goeldii</i>	Goeldi's marmoset	Upper Amazon Basin; R

Family Cebidae

New-world monkeys; c. 45 species; S, C America; forest, arboreal; ref. 5.1.

Cebus; capuchin monkeys; Honduras – N Argentina.

<i>C. albifrons</i>	Brown pale-fronted capuchin	Upper Amazon, Venezuela, [Trinidad]
<i>C. apella</i>	Black-capped capuchin (Brown capuchin)	Colombia, Venezuela – N Argentina
<i>C. capucinus</i>	White-throated capuchin	Honduras – Colombia
<i>C. olivaceus</i> (<i>nigrivittatus</i>)	Weeper capuchin	Venezuela – mouth of Amazon

Aotus; night monkeys, douroucoulis; as many as 9 species have recently been recognized but their status as species or subspecies is uncertain; ref. 5.6.

<i>A. azarae</i> (<i>infulatus</i>) (<i>miconax</i>) (<i>nancymai</i>) (<i>nigriceps</i>)	Southern night monkey	Amazon – Paraguay
<i>A. trivirgatus</i> (<i>brumbacki</i>) (<i>lemurinus</i>) (<i>vociferans</i>)	Northern night monkey	Panama – Amazon



Common squirrel-monkey
(*Saimiri sciureus*)

Callicebus; titis; S America; ref. 5.13..

<i>C. brunneus</i>		N Bolivia etc.
<i>C. calligatus</i>		Upper Amazon
<i>C. cinerascens</i>		S Amazon
<i>C. cupreus</i>		Upper Amazon
<i>C. donacophilus</i>		Bolivia, N Paraguay
<i>C. dubius</i>		C Amazon
<i>C. hoffmannsi</i>		C Amazon
<i>C. modestus</i>		NW Bolivia
<i>C. moloch</i>	Dusky titi	Lower Amazon (S of river)
<i>C. oenanthe</i>		Peru
<i>C. olallae</i>		NW Bolivia

Saimiri; squirrel monkeys; ref. 5.7.

<i>S. boliviensis</i>		Upper Amazon
<i>S. oerstedii</i>	Red-backed squirrel-monkey	Costa Rica, Panama
<i>S. sciureus</i>	Common squirrel-monkey	Colombia – Amazon Basin
<i>S. ustus</i>		C Brazil, S of Amazon
<i>S. vanzolinii</i>		C Amazon Basin; ref. 5.14

Pithecia; sakis; ref. 5.15.

<i>P. aequatorialis</i>	Equatorial saki	Ecuador, Peru
<i>P. albicans</i>	White saki	Central Amazon
<i>P. irrorata</i>	Bald-faced saki	S Amazon Basin
<i>P. monachus</i>	Monk saki	Upper Amazon Basin
<i>P. pithecia</i>	White-faced saki (Gold-faced saki)	Orinoco – Lower Amazon

Cacajao; uakaris; Amazon Basin.

<i>C. calvus</i>	White uakari (Bald uakari)	C Amazon; V
<i>C. melanocephalus</i>	Black-headed uakari	C Amazon – S Venezuela; V
<i>C. rubicundus</i> (<i>calvus</i>)	Red uakari	Upper Amazon Basin

Chiropotes; bearded sakis.

<i>C. albinasus</i>	White-nosed saki	S Amazon Basin; V
<i>C. satanas</i>	Black-bearded saki (Black saki)	Amazon – Guianas, Venezuela; (E)

Alouatta; howler monkeys; S Mexico – N Argentina.

<i>A. belzebul</i>	Black and red howler	Lower Amazon
<i>A. caraya</i>	Black howler	N Argentina – S Brazil
<i>A. fusca</i>	Brown howler	SE Brazil, Bolivia; I
<i>A. palliata</i>	Mantled howler	S Mexico – Ecuador
<i>A. seniculus</i>	Red howler	Colombia – mouth of Amazon – Bolivia
<i>A. villosa</i> (<i>pigra</i>)	Guatemalan howler	S Mexico – Guatemala; I

Ateles; spider monkeys; C Mexico – Bolivia.

<i>A. belzebuth</i>	Long-haired spider monkey	Colombia, NW Brazil, etc.; V
<i>A. fusciceps</i>	Brown-headed spider monkey	Panama – Ecuador; I
<i>A. geoffroyi</i>	Black-handed spider monkey	C Mexico – Colombia; V
<i>A. paniscus</i>	Black spider monkey	NE Brazil, Guianas – Bolivia; V

Brachyteles

<i>B. arachnoides</i>	Woolly spider monkey	SE Brazil; coastal forest; E
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Lagothrix; woolly monkeys.

<i>L. flavicauda</i>	Yellow-tailed woolly monkey (Hendee's woolly monkey)	NE Peru; E
<i>L. lagothricha</i>	Common woolly monkey	C, Upper Amazon Basin; V



Savanna monkey
(*Cercopithecus aethiops*)

Family Cercopithecidae

Old-world monkeys; c. 80 species; Africa, S, E Asia; forest, (savanna); ref. 5.1.

Subfamily Cercopithecinae

Macaca; (*Cynopithecus*); macaques; S, E Asia, (NW Africa); mainly forest; terrestrial, arboreal.

<i>M. arctoides</i> (<i>speciosa</i>)	Bear macaque (Stump-tailed macaque)	Burma, S China – Malaya
<i>M. assamensis</i>	Assam macaque	Nepal – Thailand
<i>M. cyclopis</i>	Taiwan macaque	Taiwan; V
<i>M. fascicularis</i> (<i>irus</i>)	Crab-eating macaque	S Burma – Java – Timor, Borneo, Philippines
<i>M. fuscata</i> (<i>speciosa</i>)	Japanese macaque	Japan (except Hokkaido)
<i>M. maurus</i>	Moor macaque	S Sulawesi; V
<i>M. mulatta</i>	Rhesus macaque	E Afghanistan – S, E China
<i>M. nemestrina</i>	Pigtail macaque	Assam – Sumatra, Borneo
<i>M. nigra</i> (<i>nigrescens</i>)	Celebes ape (Black ape)	NE Sulawesi
<i>M. ochreata</i> (<i>brunnescens</i>)	Booted macaque	SE Sulawesi; K
<i>M. radiata</i>	Bonnet macaque	S India
<i>M. silenus</i>	Liontail macaque	SW India; E
<i>M. sinica</i>	Toque macaque	Sri Lanka
<i>M. sylvanus</i>	Barbary ape	Morocco, N Algeria; V

<i>M. thibetana</i>	Père David's macaque (Tibetan stump-tailed macaque)	Sichuan, Fujian, China; K
<i>M. tonkeana</i> (<i>hecki</i>)	Tonkean macaque	C, N Sulawesi; (V)
<i>Cercocebus</i> ; (<i>Lophocebus</i>); mangabeys; W, C, (E) Africa; forest.		
<i>C. albigena</i>	White-cheeked mangabey	Cameroun – Kenya, Tanzania
<i>C. aterrimus</i>	Black mangabey (Crested mangabey)	Zaire, Angola; K
<i>C. galeritus</i> (<i>agilis</i>)	Agile mangabey (Tana River mangabey)	Zaire, etc., E Kenya, S Tanzania; V/E
<i>C. torquatus</i> (<i>atys</i>)	White-collared mangabey (Sooty mangabey)	Sierra Leone – Congo Rep.; V
<i>Papio</i> ; savanna baboons; Africa except NW, (S Arabia); savanna.		
<i>P. anubis</i>	Olive baboon	R Niger – Kenya
<i>P. cynocephalus</i>	Yellow baboon	Somalia – Mozambique – Angola
<i>P. hamadryas</i>	Hamadryas baboon	Ethiopia, Somalia, S Arabia; R
<i>P. papio</i>	Guinea baboon	Senegal, Guinea
<i>P. ursinus</i>	Chacma baboon	Zambia, Angola – S Africa
<i>Mandrillus</i> ; (<i>Papio</i>); forest baboons; WC Africa; forest.		
<i>M. leucophaeus</i>	Drill	SE Nigeria – Sanaga R (Cameroun); E
<i>M. sphinx</i>	Mandrill	Sanaga R – Gabon; V
<i>Theropithecus</i>		
<i>T. gelada</i>	Gelada	Ethiopia; montane; R
<i>Cercopithecus</i> ; guenons; Africa S of Sahara; forest, (savanna).		
<i>C. aethiops</i> (<i>pygerythrus</i>) (<i>tantalus</i>) (<i>sabaeus</i>)	Savanna monkey (Green monkey) (Vervet) (Grivet)	Senegal – Somalia – S Africa; savanna
<i>C. ascanius</i>	Schmidt's guenon, etc.	W Kenya – Zambia, Angola
<i>C. campbelli</i>	Campbell's monkey	Gambia – Ghana
<i>C. cephus</i>	Moustached monkey	Cameroun – Gabon, etc.
<i>C. denti</i> (<i>wolffi</i>)	Dent's monkey	NE, E Zaire
<i>C. diana</i>	Diana monkey	Sierra Leone – Ghana; V
<i>C. dryas</i>	Dryas monkey	C Zaire
<i>C. erythrogaster</i>	Red-bellied monkey	SW Nigeria; E
<i>C. erythrotis</i>	Red-eared monkey	Nigeria, Cameroun; E
<i>C. hamlyni</i>	Owl-faced monkey	E Zaire, etc.; V
<i>C. lhoesti</i>	L'Hoest's monkey	SW Uganda, NE Zaire, etc.; V

<i>C. mitis</i> (<i>albogularis</i>)	Diademed monkey (Sykes' monkey)	Somalia – Zaire – S Africa
<i>C. mona</i>	Mona monkey	Ghana – Cameroun
<i>C. neglectus</i>	De Brazza's monkey	Cameroun – Ethiopia – Angola
<i>C. nictitans</i>	Greater white-nosed monkey	Guinea – Zaire
<i>C. petaurista</i>	Lesser white-nosed monkey	Guinea – Togo
<i>C. pogonias</i>	Crowned guenon	SE Nigeria – N, W Zaire, etc.
<i>C. preussi</i> (<i>lhoesti</i>)	Preuss's monkey	W Cameroun, etc.; E
<i>C. salongo</i>	Zaire Diana monkey	C Zaire; ref. 5.8; K
<i>C. solatus</i>	Sun-tailed monkey	Gabon; ref. 5.16; V
<i>C. wolfi</i>	Wolf's monkey	C Zaire

***Miopithecus*; (*Cercopithecus*).**

<i>M. talapoin</i>	Talapoin	Gabon – W Angola; forest
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***Allenopithecus*; (*Cercopithecus*).**

<i>A. nigroviridis</i>	Allen's swamp monkey (Blackish-green guenon)	Zaire, Congo Rep.; forest; K
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***Erythrocebus*; (*Cercopithecus*).**

<i>E. patas</i>	Patas monkey (Red monkey)	Senegal – Ethiopia – Tanzania; savanna, steppe
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Subfamily Colobinae; see ref. 5.9 for alternative classification.***Colobus*; (*Procolobus*); colobus monkeys, W, C, E Africa; forest.**

<i>C. angolensis</i>	Angolan colobus	Angola – Kenya
<i>C. badius</i> (<i>rufomitratu</i> s)	Red colobus (Bay colobus)	Gambia – Tanzania; E/V
<i>C. guereza</i>	Guereza (Eastern black-and-white colobus)	E Nigeria – Ethiopia – Tanzania
<i>C. kirkii</i>	Kirk's colobus	Zanzibar
<i>C. polykomos</i>	King colobus (Western black-and- white colobus)	Gambia – Togo
<i>C. satanas</i>	Black colobus	Cameroun – Gabon; E

***Procolobus*; (*Colobus*).**

<i>P. verus</i>	Olive colobus	Sierra Leone – Nigeria; forest; V
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***Pygathrix*; (*Rhinopithecus*).**

<i>P. avunculus</i>	Tonkin snub-nosed monkey	N Vietnam; E
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Guereza
(*Colobus guereza*)

<i>P. brelichi</i>	Brelich's snub-nosed monkey	Guizhou, S China; close to <i>P. roxellana</i>
<i>P. nemaus</i> (<i>nigripes</i>)	Douc langur	Indochina, Hainan; E
<i>P. roxellana</i> (<i>bieti</i>)	Chinese snub-nosed monkey (Golden monkey) (Snow monkey)	Yunnan, Sichuan, S China; E/V

***Simias*; (*Nasalis*).**

<i>S. concolor</i>	Pig-tailed langur	Mentawai Is (Sumatra); E
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Nasalis

<i>N. larvatus</i>	Proboscis monkey	Borneo; V
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***Presbytis*; (*Semnopithecus*; *Trachypithecus*); leaf monkeys, surelis; SE Asia; forest.**

<i>P. aurata</i>		Java – Lombok; ref. 5.17
<i>P. comata</i> (<i>hosei</i> , <i>aygula</i>) (<i>thomasi</i>)	Sunda leaf monkey (Grizzled leaf monkey) (Ebony leaf monkey)	Sumatra, Java, Borneo; E
<i>P. cristata</i>	Silvered leaf monkey	Indochina – Sumatra
<i>P. entellus</i>	Hanuman langur	India, etc., Sri Lanka
<i>P. francoisi</i> (<i>delacouri</i>)	François' monkey	S China, Indochina; E
<i>P. frontata</i>	White-fronted leaf monkey	Borneo
<i>P. geei</i>	Golden leaf monkey	Assam, Bhutan; R
<i>P. johnii</i>	Nilgiri langur (John's leaf monkey)	SW India; (in <i>P. vetulus</i> ?); E
<i>P. melalophos</i> (<i>femoralis</i>)	Banded leaf monkey (Mitred leaf monkey)	Thailand – Sumatra, Borneo
<i>P. obscura</i>	Dusky leaf monkey (Spectacled leaf monkey)	S Thailand, Malaya
<i>P. phayrei</i>	Phayre's leaf monkey	Burma, Thailand, etc.
<i>P. pileata</i>	Capped leaf monkey	Assam, Burma
<i>P. potenziani</i>	Mentawai leaf monkey	Mentawai Is (Sumatra); E
<i>P. rubicunda</i>	Maroon leaf monkey	Borneo
<i>P. vetulus</i> (<i>senex</i>)	Purple-faced leaf monkey	Sri Lanka

Family Hylobatidae

Gibbons; 9 species; SE Asia; forest; ref. 5.18.

***Hylobates*; (*Nomascus*, *Symphalangus*); gibbons; SE Asia.**

<i>H. agilis</i>	Agile gibbon	Malaya, Sumatra, Borneo
<i>H. concolor</i>	Crested gibbon (Black gibbon)	Indochina, Hainan; V
<i>H. hoolock</i>	Hoolock gibbon	Assam, Burma, Yunnan; V
<i>H. klossii</i>	Kloss's gibbon (Dwarf siamang)	Mentawai Is (Sumatra); E



Common gibbon
(*Hylobates lar*)

<i>H. lar</i>	Common gibbon	S Burma – N Sumatra
<i>H. moloch</i>	Javan gibbon	Java; V
<i>H. muelleri</i>	Müller's gibbon	Borneo
<i>H. pileatus</i>	Pileated gibbon	SE Thailand, etc.; V
<i>H. syndactylus</i>	Siamang	Malaya, Sumatra

Family Pongidae

Apes; 4 species; W, C Africa, SE Asia; forest.

Pongo

<i>P. pygmaeus</i>	Orang-utan	Sumatra, Borneo; E
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***Pan*; chimpanzees.**

<i>P. paniscus</i>	Pygmy chimpanzee (Bonobo)	Zaire (S of Zaire R.); V
<i>P. troglodytes</i>	Chimpanzee	Guinea – Zaire – Uganda, Tanzania; E/V

Gorilla

<i>G. gorilla</i>	Gorilla	SE Nigeria – W Zaire; E Zaire, etc.; E/V
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Family Hominidae***Homo***

<i>H. sapiens</i>	Man	Worldwide
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ORDER CARNIVORA

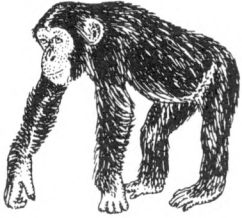
Carnivores; c. 235 species; worldwide; terrestrial, arboreal, aquatic carnivores and omnivores.

Family Canidae

Dogs, foxes; c. 35 species; Eurasia, Americas, Africa, [Australia].

Canis; dogs, jackals; Africa, Eurasia, N, C America; desert – open forest.

<i>C. adustus</i>	Side-striped jackal	Senegal – Somalia – S Africa; savanna, steppe
<i>C. aureus</i>	Golden jackal	Senegal – Thailand, Sri Lanka; steppe – open forest
<i>C. latrans</i>	Coyote	Alaska, Canada, USA (except SE) – Costa Rica; desert – grassland
<i>C. lupus</i>	Wolf	Palaeartic (except N Africa), India, Alaska, Canada, Mexico, † USA; tundra, steppe, open forest; ancestor of domestic dogs, <i>C. familiaris</i> ; V



Chimpanzee
(*Pan troglodytes*)



Side-striped jackal
(*Canis adustus*)

<i>C. mesomelas</i>	Black-backed jackal	S, E Africa – Cameroun; savanna, steppe
<i>C. rufus</i> (<i>niger</i>)	Red wolf	SE Texas, etc.; E
<i>C. simensis</i>	Simian jackal (Simian fox)	Ethiopia; high montane grassland; E
<i>Alopex</i>; (<i>Vulpes</i>).		
<i>A. lagopus</i>	Arctic fox	Eurasia, N America; tundra
<i>Vulpes</i>; (<i>Fennecus</i>, <i>Urocyon</i>); foxes; Africa, Eurasia, N America; desert – forest.		
<i>V. bengalensis</i>	Bengal fox	India, Pakistan, Nepal; steppe – open forest; K
<i>V. cana</i>	Blanford's fox	Afghanistan etc.; montane steppe
<i>V. chama</i>	Cape fox	S Africa; steppe
<i>V. corsac</i>	Corsac fox	S Russia – Manchuria; steppe
<i>V. ferrilata</i>	Tibetan fox	Tibet, etc.; steppe
<i>V. macrotis</i>	Kit fox	SW USA, N Mexico; desert, steppe; (in <i>V.</i> <i>velox</i> ?)
<i>V. pallida</i>	Pale fox	Senegal – Somalia; desert
<i>V. rueppellii</i>	Sand fox	Morocco – Afghanistan; desert, steppe
<i>V. velox</i>	Swift fox	C USA; grassland
<i>V. vulpes</i> (<i>fulva</i>)	Red fox	Palaeartic – Indochina, Canada, USA, [Australia]; forest; includes domesticated forms, e.g. silver fox
<i>V. zerda</i>	Fennec fox	Morocco – Arabia; desert
<i>Urocyon</i>; (<i>Vulpes</i>); grey foxes; N America.		
<i>U. cinereoargenteus</i>	Grey fox	S Canada – Venezuela
<i>U. littoralis</i>	Island grey fox	Santa Barbara Is, California
<i>Dusicyon</i>; (<i>Atelocyon</i>, <i>Cerdocyon</i>, <i>Lycalopex</i>); S America; forest – desert; classification provisional.		
<i>D. australis</i> †	Falkland Island wolf	Falkland Is (extinct)
<i>D. culpaeus</i> (<i>culpaeolus</i>)	Colpeo fox	Ecuador – Tierra del Fuego
<i>D. griseus</i> (<i>fulvipes</i>)	Argentine grey fox	Argentina, Chile
<i>D. gymnocercus</i>	Pampas fox	Argentina – Paraguay
<i>D. microtis</i>	Small-eared zorro	Amazon, Orinoco basins; forest; K

<i>D. sechurae</i>	Sechura fox	NW Peru, SW Ecuador; desert
<i>D. thous</i>	Common zorro (Crab-eating fox)	Colombia – N Argentina; savanna, open forest
<i>D. vetulus</i>	Hoary fox	C, S Brazil
Nyctereutes		
<i>N. procyonoides</i>	Raccoon-dog	Indochina – SE Siberia, Japan, [E, C Europe]; forest
Chrysocyon		
<i>C. brachyurus</i>	Maned wolf	E Brazil – N Argentina; grassland; V
Speothos		
<i>S. venaticus</i>	Bush dog	Panama – SE Brazil, E of Andes; forest; V
Cuon		
<i>C. alpinus</i>	Dhole (Red dog)	Altai, Pamirs – E Siberia – Java; forest; V
Lycaon		
<i>L. pictus</i>	Hunting dog	Ivory Coast – Somalia – S Africa; steppe, savanna; V
Otocyon		
<i>O. megalotis</i>	Bat-eared fox	S Africa – S Zambia; Tanzania – Ethiopia; grassland, steppe

Family Ursidae

Bears; 8 species; Eurasia, N, (S) America; mainly forest; omnivores, (carnivores).

Tremarctos

<i>T. ornatus</i>	Spectacled bear	Venezuela – Bolivia; forest; V
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Selenarctos; (Ursus).

<i>S. thibetanus</i>	Asiatic black bear	Afghanistan – Indochina – E Siberia, Japan; forest; (E)
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Ursus

<i>U. americanus</i>	American black bear	C Mexico – Alaska; forest
<i>U. arctos</i> (<i>horribilis</i>)	Brown bear (Grizzly bear)	Eurasia N of Himalayas, N America; mainly forest



Sun bear
(*Helarctos malayanus*)

Thalarctos; (*Ursus*).

T. maritimus Polar bear Arctic Ocean; V

Helarctos

H. malayanus Sun bear Burma – Sumatra, Borneo;
forest

Melursus

M. ursinus Sloth bear India, Sri Lanka; forest; I

Ailuropoda

A. melanoleuca Giant panda Sichuan etc., S China;
bamboo forest; ref. 6.4;
R

Family Procyonidae

Raccoons etc.; c. 13 species; S, C, (N) America; forest; omnivores.

Bassariscus; (*Jentinkia*).

B. astutus Ring-tailed cat Oregon – S Mexico
(Cacomistle)

B. sumichrasti Central American S Mexico – Panama
cacomistle



Common raccoon
(*Procyon lotor*)

Procyon; raccoons; insular forms in the W Indies and Mexico are sometimes treated as distinct species but are likely to represent *P. lotor*.

P. cancrivorus Crab-eating raccoon Costa Rica – N Argentina

P. lotor Common raccoon S Canada – Panama,
(*gloveralleni*) [Bahamas, Guadeloupe];
(*insularis*) (K)
(*minor*)
(*pygmaeus*)

Nasua; coatis, coatimundis; S, C, (N) America.

N. nasua Coati S USA – S America except
(*narica*) Patagonia

N. nelsoni Cozumel coati Cozumel I, Yucatan,
Mexico; K

Nasuella

N. olivacea Little coatimundi Venezuela – Ecuador

Potos

P. flavus Kinkajou E Mexico – S Brazil; forest

Bassaricyon; olingos; C, northern S America; possibly all one species.

B. alleni Ecuador, Peru

B. beddardi Guyana, etc.

B. gabbii Bushy-tailed olingo Nicaragua – Ecuador,
Venezuela

B. lasius
B. pauli

Harris' olingo
Chiriqui olingo

Costa Rica
W Panama



Red panda
(*Ailurus fulgens*)

Family Ailuridae

One species.

Ailurus

A. fulgens

Lesser panda
(Red panda)

Nepal – W Burma –
Sichuan; K



American mink
(*Mustela vison*)

Family Mustelidae

Weasels, etc., c. 64 species; Americas, Eurasia, Africa; forest – desert, (aquatic); carnivores, (omnivores).

Mustela; (*Grammogale*, *Lutreola*, *Putorius*); weasels; Americas, Eurasia, (N Africa); forest, steppe, tundra.

M. africana

Amazon weasel

Amazon Basin (sic)

M. altaica

Mountain weasel

Himalayas – Altai – Korea
N Manchuria; ref. 6.3

M. amurensis

Amur polecat

Europe – E Siberia, Japan,
Alaska – N Greenland –
N USA; [New Zealand];
forest, tundra

M. erminea

Stoat
(Ermine)

M. eversmanni

Steppe polecat

E Europe – Manchuria –
Tibet; grassland, steppe

M. felipei

M. frenata

Long-tailed weasel

Colombia; montane
S Canada – Venezuela –
Peru

M. kathiah

M. lutreola

Yellow-bellied weasel

European mink

W Himalayas – S China
W Siberia, E Europe,
(W Europe); riversides,
marshes; V

M. lutreolina

M. nigripes

Black-footed ferret

Java; K
Alberta – N Texas;
grassland; E

M. nivalis

(*rixosa*)

(*minuta*)

Weasel

(Lesser weasel)

N Africa, W Europe – E
Siberia; Japan, Alaska –
NE USA, [New
Zealand]

M. nudipes

M. putorius

Malaysian weasel

Polecat

Malaya, Sumatra, Borneo
Europe; forest; probable
ancestor of domestic
ferret, *M. furo*

M. sibirica

M. strigidorsa

Siberian weasel
(Kolinsky)

Back-striped weasel

Siberia – Himalayas,
Thailand; Japan
Nepal – Thailand

<i>M. vison</i>	American mink	Canada, USA, [Iceland, N, C Europe, Siberia]; rivers, lakes; includes domesticated mink
Vormela		
<i>V. peregusna</i>	Marbled polecat	SE Europe – W China; steppe, grassland; (V)
Martes; (Charronia); martens; Eurasia, N America; forest; arboreal carnivores.		
<i>M. americana</i>	American marten	Canada, N USA
<i>M. flavigula</i> (<i>gwatkinsi</i>)	Yellow-throated marten	E Siberia – Java, Borneo; S India; (I)
<i>M. foina</i>	Beech marten	W Europe – Himalayas, Altai
<i>M. martes</i>	Pine marten	W Europe – W Siberia
<i>M. melampus</i>	Japanese marten	Japan (except Hokkaido), S Korea; (I)
<i>M. pennanti</i>	Fisher	Canada, N USA
<i>M. zibellina</i>	Sable	Siberia, Hokkaido
Eira; (Galera, Tayra).		
<i>E. barbara</i>	Tayra	NE Mexico – Argentina
Galictis; (Grison, Grisonella); grisons; S Mexico – Brazil.		
<i>G. cuja</i>	Little grison	Peru – Uruguay – Chile
<i>G. vittata</i>	Greater grison	S Mexico – Peru – E Brazil
Lyncodon		
<i>L. patagonicus</i>	Patagonian weasel	Argentina, Chile; grassland
Ictonyx; (Zorilla).		
<i>I. striatus</i>	Zorilla (Striped polecat)	Senegal – Ethiopia – S Africa; steppe, savanna
Poecilictis		
<i>P. libyca</i>	Saharan striped weasel	Sahara, etc.; desert, steppe
Poecilogale		
<i>P. albinucha</i>	White-naped weasel (Striped weasel)	S Africa – Zaire, Uganda; savanna
Gulo		
<i>G. gulo</i> (<i>luscus</i>)	Wolverine (Glutton)	Scandinavia, Siberia, Alaska, Canada, W USA; con. forest, tundra; V
Mellivora		
<i>M. capensis</i>	Ratel (Honey badger)	N India – Arabia, Africa S of Sahara; steppe, savanna



Eurasian badger
(*Meles meles*)

Meles

M. meles Eurasian badger Europe – Japan – S China;
forest, grassland

Arctonyx

A. collaris Hog-badger N China – NE India –
Sumatra

***Mydaus*; (*Suillotaxus*); stink badgers.**

M. javanensis Sunda stink badger Sumatra, Java, Borneo

M. marchei Palawan stink badger Palawan, Calamian Is,
Philippines

Taxidea

T. taxus American badger SW Canada – C Mexico;
grassland, steppe

***Melogale*; (*Helictis*); ferret-badgers; SE Asia, grassland, open forest.**

M. everetti Everett's ferret-badger Borneo; K

M. moschata Chinese ferret-badger NE India – S China –
Indochina; Java, Borneo

M. personata Burmese ferret-badger Nepal – Indochina; Java;
(*orientalis*) (K)

Mephitis

M. macroura Hooded skunk SW USA – Costa Rica

M. mephitis Striped skunk S Canada – N Mexico

***Spilogale*; spotted skunks; N, C America.**

S. putorius Spotted skunk SE, C USA – Costa Rica
(*angustifrons*)

(*gracilis*)
S. pygmaea Pygmy spotted skunk W, SW Mexico

***Conepatus*; hog-nosed skunks; C, S America.**

C. chinga Chile – Peru, S Brazil
(*rex*)

C. humboldti Patagonia – Paraguay
(*castaneus*)

C. leuconotus Eastern hog-nosed skunk E Texas, E Mexico

C. mesoleucus Hog-nosed skunk S USA – Nicaragua; (I)

C. semistriatus Striped hog-nosed skunk S Mexico – Peru – E Brazil

***Lutra*; (*Lontra*, *Lutrogale*); river otters; Eurasia, Americas, Africa; rivers, lakes,
(sea-coast); *.**

L. canadensis Canadian otter Canada, USA

L. felina N Peru – S Chile; coastal;
V

L. longicaudis C Mexico – Uruguay; (V)
(*annectens*)

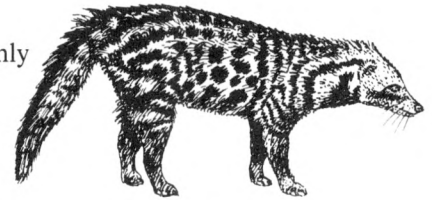
<i>L. lutra</i>	European otter	Eurasia, N Africa, Sri Lanka, Taiwan, Sumatra, Java; (V)
<i>L. maculicollis</i>	Spotted-necked otter	Liberia – Ethiopia – S Africa
<i>L. perspicillata</i>	Smooth-coated otter	Iraq; India – Sumatra, Borneo; K
<i>L. provocax</i>		Chile, S Argentina; V
<i>L. sumatrana</i>	Hairy-nosed otter	Indochina – Java, Borneo; K
<i>Pteronura</i>		
<i>P. brasiliensis</i>	Giant otter	Venezuela – Argentina; rivers; V
<i>Aonyx</i>; (<i>Amblonyx</i>, <i>Paraonyx</i>); clawless otters; Africa, SE Asia.		
<i>A. capensis</i>	African clawless otter	Senegal – Ethiopia – S Africa
<i>A. cinerea</i>	Oriental small-clawed otter	India, S China – Java, Borneo, Palawan; K
<i>A. congica</i> (<i>microdon</i>)	Zaire clawless otter	Congo basin, etc.; forest
<i>Enhydra</i>		
<i>E. lutris</i>	Sea otter	Bering Sea – California; rocky coasts

Family Viverridae

Civets, etc.; c. 35 species; S Asia, Africa, Madagascar; forest – steppe; mainly omnivores.

Poiana

<i>P. richardsonii</i>	African linsang	Sierra Leone – N Zaire; forest; (I)
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African civet
(*Viverra civetta*)

Genetta; genets; Africa, (Arabia, SW Europe); forest, savanna; arboreal; classification very provisional; ref. 6.1.

<i>G. abyssinica</i>	Abyssinian genet	Ethiopia – Somalia; K
<i>G. angolensis</i> (<i>mossambicus</i>)	Angolan genet	Angola – Mozambique
<i>G. cristata</i> (<i>servalina</i>)		Cameroun – SE Nigeria
<i>G. genetta</i> (<i>felina</i>)	Small-spotted genet	Africa, SW Europe, Arabia – Asia Minor; savanna; (R)
<i>G. johnstoni</i>	Johnston's genet	Liberia; K
<i>G. pardina</i>	Pardine genet	Gambia – Cameroun; forest
<i>G. rubiginosa</i> (<i>maculata</i>)	Rusty-spotted genet	Senegal – Somalia – Transvaal; savanna

<i>G. servalina</i>	Servaline genet	Cameroun – Kenya; forest
<i>G. thierryi</i>	Hausa genet	Senegal – Chad; guinea savanna
<i>G. tigrina</i>	Large-spotted genet	S Africa
<i>G. victoriae</i>	Giant genet	Uganda, NE Zaire
<i>Viverricula</i>		
<i>V. indica</i> (<i>malaccensis</i>)	Small Indian civet	India – S China – Java; Sri Lanka; [Madagascar, Zanzibar]
<i>Osbornictis</i>		
<i>O. piscivora</i>	Congo water civet (Aquatic genet)	NE Zaire; lowland forest
<i>Viverra</i>; (<i>Civettictis</i>); civets; Africa, SE Asia.		
<i>V. civetta</i>	African civet	Senegal – Somalia – Transvaal
<i>V. megaspila</i>	Large-spotted civet	India – Indochina – Malaya; (E)
<i>V. tangalunga</i>	Malay civet	Malaya, Sumatra, Borneo, Philippines
<i>V. zibetha</i>	Large indian civet	India – S China – Malaya
<i>Prionodon</i>; (<i>Pardictis</i>); linsangs; SE Asia.		
<i>P. linsang</i>	Banded linsang	Thailand – Java, Borneo
<i>P. pardicolor</i>	Spotted linsang	Nepal – Indochina
<i>Nandinia</i>		
<i>N. binotata</i>	African palm civet (Tree civet)	Guinea – S Sudan – Mozambique; forest
<i>Arctogalidea</i>		
<i>A. trivirgata</i>	Three-striped palm civet	Assam – Java, Borneo; (I)
<i>Paradoxurus</i>		
<i>P. hermaphroditus</i> (<i>philippinensis</i>)	Common palm civet (Toddy cat)	India – S China – Java, Borneo, Timor, Sulawesi, Philippines, Sri Lanka
<i>P. jerdoni</i>	Jerdon's palm civet	S India; I
<i>P. zeylonensis</i>	Golden palm civet	Sri Lanka
<i>Paguma</i>		
<i>P. larvata</i>	Masked palm civet	Himalayas – China – Sumatra, Borneo, Taiwan
<i>Macrogalidea</i>		
<i>M. musschenbroekii</i>	Brown palm civet	NE Sulawesi; R

Arctictis

A. binturong
(*whitei*) Binturong Burma – Java, Borneo,
Palawan

Fossa

F. fossa
(*fossana*) Malagasy civet NW Madagascar; forest; V

Hemigalus; (*Diplogale*).

H. derbyanus Banded palm civet Malaya, Sumatra,
Borneo

H. hosei Hose's civet Borneo

Chrotogale

C. owstoni Owston's palm civet Indochina; K

Cynogale

C. bennettii Otter-civet Indochina – Sumatra,
Borneo; K

Eupleres

E. goudotii
(*major*) Falanouc N Madagascar; forest; V

Cryptoprocta; family allocation dubious.

C. ferox Fossa Madagascar; forest,
savanna; K

Family Herpestidae

Mongoose; *c.* 39 species; Africa, S Asia; forest – steppe; carnivores and omnivores; sometimes included in the Viverridae.

Galidea

G. elegans Ring-tailed mongoose Madagascar; forest

Galidictis

G. fasciata
(*striata*) Broad-striped mongoose E Madagascar; forest; I

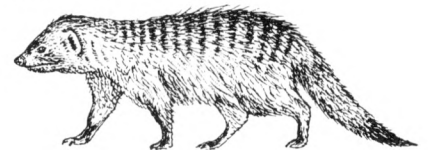
G. grandidiensis SW Madagascar; ref. 6.5;
K

Mungotictis

M. decemlineata
(*lineata*)
(*substriatus*) Narrow-striped mongoose W, SW Madagascar;
savanna; V

Salanoia

S. concolor
(*olivacea*) Salano NE Madagascar; forest; K



Banded mongoose
(*Mungos mungo*)

Suricata

S. suricatta Meerkat (Suricate) S Africa – S Angola

Herpestes; (*Xenogale*); common mongooses; Africa, S Asia, (SW Europe); forest – steppe; terrestrial.

H. auropunctatus (javanicus) (palustris) Small Indian mongoose E Arabia – Malaya; [Hawaii, W Indies, Guyana, etc.]

H. brachyurus Short-tailed mongoose Malaya, Sumatra, Borneo, Palawan

H. edwardsii Indian grey mongoose Arabia – Assam, Sri Lanka; [Malaya, Ryukyu Is, Mauritius]

H. fuscus Indian brown mongoose S India, Sri Lanka; (in *H. brachyurus*?)

H. hosei Hose's mongoose Borneo; (in *H. brachyurus*?)

H. ichneumon Egyptian mongoose (Large grey mongoose) Iberia; Arabia, etc.; Africa S of Sahara; savanna

H. javanicus Javan mongoose Indochina, Malaya, Java

H. naso Long-nosed mongoose Zaire – SE Nigeria; lowland forest

H. semitorquatus Collared mongoose Sumatra, Borneo

H. smithii Ruddy mongoose India, Sri Lanka

H. urva Crab-eating mongoose Nepal – S China – Thailand

H. vitticollis Stripe-necked mongoose India, Sri Lanka

Helogale; dwarf mongooses; E, S Africa; savanna.

H. hirtula Ethiopia, Somalia, Kenya

H. parvula Ethiopia – Natal – Namibia

Dologale

D. dybowskii Pousargues' mongoose Cent. Afr. Rep. – W Uganda; savanna

Galerella; (*Herpestes*); Africa; ref. 6.6.

G. nigrita C, N Namibia

G. pulverulenta Cape grey mongoose S Africa – S Angola; steppe

G. sanguinea Slender mongoose Africa S of Sahara; savanna, steppe

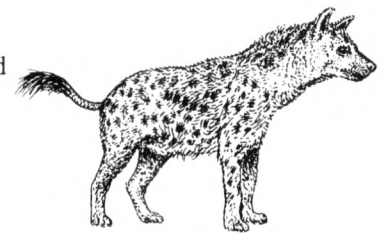
Atilax

A. paludinosus Marsh mongoose (Water mongoose) Africa S of Sahara; rivers, marshes

Mungos

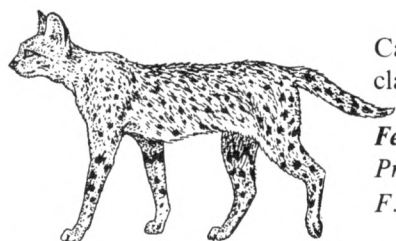
M. gambianus Gambian mongoose Gambia – Nigeria; savanna

<i>M. mungo</i>	Banded mongoose	Africa S of Sahara
<i>Crossarchus</i> ; W, C Africa; forest; ref. 6.2.		
<i>C. alexandri</i>		N Zaire, Uganda
<i>C. ansorgei</i>		C Zaire, N Angola
<i>C. obscurus</i>	Cusimanse (Long-nosed mongoose)	Sierra Leone – Ghana
<i>C. platycephalus</i>		Benin – Cameroun
<i>Liberiictis</i>		
<i>L. kuhni</i>	Liberian mongoose	Liberia; E
<i>Ichneumia</i>		
<i>I. albicauda</i>	White-tailed mongoose	Africa S of Sahara, S Arabia; savanna, open forest
<i>Bdeogale</i> ; (<i>Galeriscus</i>).		
<i>B. crassicauda</i>	Bushy-tailed mongoose	Kenya – Mozambique; (E/I)
<i>B. jacksoni</i>	Jackson's mongoose	Kenya, Uganda; K
<i>B. nigripes</i>	Black-legged mongoose	SE Nigeria – Zaire – N Angola
<i>Rhynchogale</i>		
<i>R. melleri</i>	Meller's mongoose	S Zaire – Transvaal
<i>Cynictis</i>		
<i>C. penicillata</i>	Yellow mongoose	S Africa – S Angola
<i>Paracynictis</i>		
<i>P. selousi</i>	Grey meerkat (Selous' mongoose)	Mozambique – Angola
Family Hyaenidae		
Hyaenas; 4 species; Africa, SW Asia; savanna – desert; terrestrial carnivores and scavengers.		
<i>Proteles</i> ; sometimes placed in separate family Protelidae.		
<i>P. cristatus</i>	Aardwolf	S, E Africa; steppe
<i>Crocuta</i>		
<i>C. crocuta</i>	Spotted hyaena	Africa S of Sahara; steppe, savanna
<i>Hyaena</i>		
<i>H. brunnea</i>	Brown hyaena	S Africa – Zimbabwe; V
<i>H. hyaena</i>	Striped hyaena	Senegal – Tanzania – Turkestan – India; steppe, desert; (E)



Spotted hyaena
(*Crocuta crocuta*)

Family Felidae



Serval
(*Felis serval*)

Cats; c. 36 species; Americas, Eurasia, Africa; forest – desert; carnivores; generic classification very unstable.

Felis; (*Badiofelis*, *Herpailurus*, *Leptailurus*, *Mayailurus*, *Otocolobus*, *Prionailurus*, *Profelis*, *Puma*); small cats; Americas, Eurasia, Africa; mainly forest.

<i>F. aurata</i>	African golden cat	Senegal – Zaire – Kenya; forest
<i>F. badia</i>	Bay cat (Bornean red cat)	Borneo; R
<i>F. bengalensis</i>	Leopard cat	E Siberia – Baluchistan – Java, Borneo, Taiwan, W Philippines
<i>F. bieti</i>	Chinese desert cat	W China, S Mongolia; steppe
<i>F. caracal</i>	Caracal	Turkestan, NW India – Arabia; Africa; steppe, savanna; (R)
<i>F. chaus</i>	Jungle cat	Egypt – Indochina, Sri Lanka; dry forest
<i>F. colocolo</i>	Pampas cat	Ecuador – Patagonia; grassland, forest
<i>F. concolor</i>	Puma (Cougar)	S Canada – Patagonia; forest – steppe; E
<i>F. geoffroyi</i>	Geoffroy's cat	Bolivia – Patagonia
<i>F. guigna</i>	Kodkod	C, S Chile, W Argentina; forest
<i>F. iriomotensis</i>	Iriomote cat	Iriomote I, Ryukyu Is; close to <i>F. bengalensis</i> ; E
<i>F. jacobita</i>	Andean cat	S Peru – N Chile; montane steppe; R
<i>F. manul</i>	Pallas's cat	Iran – W China; montane steppe
<i>F. margarita</i>	Sand cat	Sahara – Baluchistan; desert; (E)
<i>F. marmorata</i>	Marbled cat	Nepal – Malaya, Sumatra, Borneo; I
<i>F. nigripes</i>	Black-footed cat (Small spotted cat)	S Africa, Botswana, Namibia; steppe, savanna
<i>F. pardalis</i>	Ocelot	Arizona – N Argentina; forest, scrub; V
<i>F. planiceps</i>	Flat-headed cat	Malaya, Sumatra, Borneo; I
<i>F. rufiginosa</i>	Rusty-spotted cat	S India, Sri Lanka; K
<i>F. serval</i>	Serval	Africa; savanna
<i>F. silvestris</i> (<i>catus</i>) (<i>lybica</i>)	Wild cat	W Europe – India; Africa; open forest, savanna, steppe; ancestor of domestic cat <i>F. catus</i>

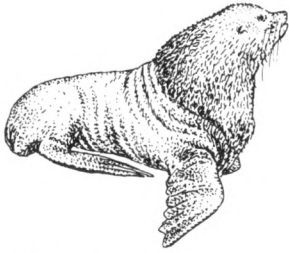
<i>F. temminckii</i>	Asiatic golden cat	Nepal – S China – Sumatra; forest; I
<i>F. tigrina</i>	Littled spotted cat (<i>Oncilla</i>)	Costa Rica – N Argentina; forest; V
<i>F. viverrina</i>	Fishing cat	India – S China – Java; forest, swamps
<i>F. wiedii</i>	Margay	N Mexico – N Argentina; forest; V
<i>F. yagouaroundi</i>	Jaguarundi	Arizona – C Argentina; forest, scrub; I
<i>Lynx</i> ; (<i>Felis</i>); lynxes; N America, N Eurasia.		
<i>L. canadensis</i> (<i>lynx</i>)	Canadian lynx	Canada, Alaska, N USA; con. forest
<i>L. lynx</i> (<i>pardina</i>)	Eurasian lynx	W Europe – Siberia; con. forest; (E)
<i>L. rufus</i>	Bobcat	S Canada – S Mexico
<i>Panthera</i> ; (<i>Leo</i> , <i>Tigris</i> , <i>Uncia</i>); big cats; Americas, Asia, Africa; mainly forest.		
<i>P. leo</i>	Lion	Africa S of Sahara; NW India; († NW Africa, SW Asia); savanna, steppe; (E)
<i>P. onca</i>	Jaguar	N Mexico – N Argentina; († S USA, Uruguay, C Argentina); forest; V
<i>P. pardus</i>	Leopard (Panther)	SE Siberia – Java – Asia Minor; Africa; forest; T
<i>P. tigris</i>	Tiger	SE Siberia – Java – Caucasus; forest; E
<i>P. uncia</i>	Snow leopard (Ounce)	Altai – Himalayas; montane steppe; E
<i>Neofelis</i> ; (<i>Panthera</i>).		
<i>N. nebulosa</i>	Clouded leopard	Nepal – S China – Sumatra, Borneo, Taiwan; forest; V
<i>Acinonyx</i>		
<i>A. jubatus</i>	Cheetah	Baluchistan – Arabia; Africa; steppe, savanna; E/V



Tiger
(*Panthera tigris*)

ORDER PINNIPEDIA

Seals, Sealions etc.; c. 34 species; worldwide except tropical W Pacific and Indian Ocean; marine, (freshwater); breed on shore or ice; mainly predators on fish; sometimes included in order Carnivora; refs. 7.1, 2, 3.



Northern sealion
(*Eumetopias jubatus*)

Family Otariidae

Eared seals, sealions; c. 14 species; S Hemisphere, N Pacific; refs. 7.1, 2.

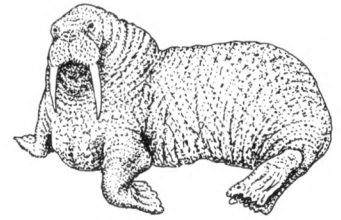
<i>Arctocephalus</i> ; (<i>Arctophoca</i>); southern fur seals; S Hemisphere – California.		
<i>A. australis</i>	South American fur seal	Brazil – Peru
<i>A. forsteri</i>	New Zealand fur seal	S New Zealand, etc., S Australia
<i>A. galapagoensis</i>	Galapagos fur seal	Galapagos Is
<i>A. gazella</i>	Antarctic fur seal	Islands S of Antarctic Convergence
<i>A. philippii</i>	Juan Fernandez fur seal	Juan Fernandez Is; V
<i>A. pusillus</i> (<i>doriferus</i>) (<i>tasmanicus</i>)	Afro-Australian fur seal (Cape fur seal)	S Africa, S Australia, Tasmania
<i>A. townsendi</i>	Guadalupe fur seal	S California – W Mexico; V
<i>A. tropicalis</i>	Subantarctic fur seal (Amsterdam Island fur seal)	Islands N of Antarctic Convergence
<i>Callorhinus</i>		
<i>C. ursinus</i>	Northern fur seal	Bering, Okhotsk Seas
<i>Zalophus</i>		
<i>Z. californianus</i>	Californian sealion	California, Galapagos, († Japan); (E)
<i>Eumetopias</i>		
<i>E. jubatus</i>	Northern sealion (Steller's sealion)	N Japan – California
<i>Otaria</i>		
<i>O. byronia</i> (<i>flavescens</i>)	South American sealion (Southern sealion)	S Brazil – Peru
<i>Neophoca</i>		
<i>N. cinerea</i>	Australian sealion	SW, S Australia
<i>Phocarctos</i> ; (<i>Neophoca</i>).		
<i>P. hookeri</i>	New Zealand sealion (Hooker's sealion)	S of New Zealand

Family Odobenidae

One species.

Odobenus

O. rosmarus Walrus Arctic ocean; (K)



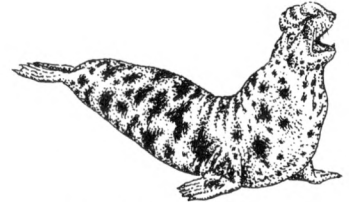
Walrus
(*Odobenus rosmarus*)

Family Phocidae

Earless seals; 19 species; polar, temperate, some tropical seas; formerly in order Pinnipedia but probably more closely related to the Mustelidae than to the Otariidae; refs. 7.1, 2.

Phoca; (*Pusa*, *Histiophoca*, *Pagophilus*); N temperate and polar seas.

<i>P. caspica</i>	Caspian seal	Caspian Sea
<i>P. fasciata</i>	Ribbon seal (Banded seal)	N Pacific; subarctic
<i>P. groenlandicus</i>	Harp seal (Greenland seal)	N Atlantic; subarctic; breed on ice
<i>P. hispida</i>	Ringed seal	Arctic Ocean, N Pacific, Baltic; breed on ice; (E)
<i>P. largha</i>	Larga seal	NW Pacific; breed on ice
<i>P. sibirica</i>	Baikal seal	Lake Baikal
<i>P. vitulina</i>	Common seal	N Atlantic, N Pacific;
(<i>kurilensis</i>)	(Harbour seal)	temperate, subarctic; (V)
(<i>richardii</i>)	(Spotted seal)	



Hooded seal
(*Cystophora cristata*)

Halichoerus

H. grypus Grey seal
(Atlantic seal) Newfoundland, etc.,
Britain – White Sea,
Baltic

Erignathus

E. barbatus Bearded seal Arctic Ocean; breed on ice

Lobodon

L. carcinophagus Crabeater seal Antarctic; edge of pack ice

Ommatophoca

O. rossi Ross seal Antarctic; edge of pack ice

Hydrurga

H. leptonyx Leopard-seal Southern Ocean

Leptonychotes

L. weddelli Weddell seal Antarctic; edge of ice

Monachus; monk seals; northern tropical and warm temperate zones.

M. monachus Mediterranean monk seal Canary Is –
Mediterranean, Black
Sea; E

<i>M. schauinslandi</i>	Hawaiian monk seal	Hawaii; E
<i>M. tropicalis</i> †	Caribbean monk seal	Formerly Caribbean: probably extinct

Mirounga; elephant-seals.

<i>M. angustirostris</i>	Northern elephant-seal	W coast of N America
<i>M. leonina</i>	Southern elephant-seal	Subantarctic Islands, Patagonia

Cystophora

<i>C. cristata</i>	Hooded seal (Bladder-nose)	N Atlantic; edge of ice
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ORDER CETACEA

Whales, dolphins, porpoises; *c.* 77 species; all oceans, some tropical rivers; ref. 7.4, 5.

SUBORDER ODONTOCETI

Toothed whales; *c.* 65 species; all oceans, some tropical rivers.

Family Platanistidae

River dolphins; *c.* 4 species; S America, S, E Asia; rivers, coastal waters; fish-eaters.

Pontoporia

<i>P. blainvillei</i>	La Plata dolphin (Franciscana)	S Brazil – N Argentina; coasts, estuaries; K
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Inia

<i>I. geoffrensis</i>	Boutu (Amazon porpoise)	Amazon, upper Orinoco; V
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Lipotes

<i>L. vexillifer</i>	White fin dolphin	Yangtze-kiang R, Tungting L, China; E
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Platanista; (*Susu*).

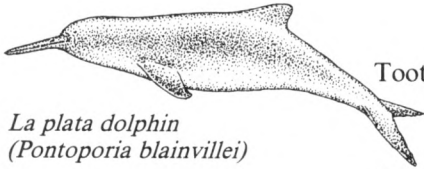
<i>P. gangetica</i> (<i>minor</i>) (<i>indi</i>)	Ganges dolphin	Ganges, Brahmaputra, Indus & tributaries; E, V
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Family Delphinidae

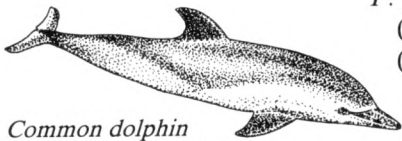
Marine dolphins; *c.* 34 species; all oceans, some tropical rivers; mainly fish-eaters.

Steno

<i>S. bredanensis</i>	Rough-toothed dolphin	Tropical, warm temperate seas
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La plata dolphin
(*Pontoporia blainvillei*)



Common dolphin
(*Delphinus delphis*)

Sotalia

<i>S. fluviatilis</i> (<i>brasiliensis</i>) (<i>guianensis</i>)	Tucuxi	Panama – S Brazil; Amazon; coasts, rivers
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Sousa; hump-backed dolphins; tropical coasts, estuaries, large rivers.

<i>S. chinensis</i> (<i>borneensis</i>) (<i>lentiginosus</i>) (<i>plumbea</i>)	Indo-Pacific hump-backed dolphin	Indian Ocean, SW Pacific, lower Yangtze-kiang
<i>S. teuszii</i>	Atlantic hump-backed dolphin	Mauritania – Angola

Stenella; tropical and warm temperate seas; classification provisional.

<i>S. attenuata</i> (<i>dubia</i>) (<i>graffmani</i>)	Pantropical spotted dolphin (Bridled dolphin)	Tropical oceans
<i>S. clymene</i>	Atlantic spinner dolphin	Atlantic
<i>S. coeruleoalba</i> (<i>styx</i>)	Striped dolphin (Euphrosyne dolphin)	Atlantic, Pacific; tropical, temperate
<i>S. frontalis</i> (<i>plagiodon</i>)	Atlantic spotted dolphin	Atlantic; tropical, warm temperate; ref. 7.6
<i>S. longirostris</i>	Spinner dolphin (Long-beaked dolphin)	Tropical, warm temperate seas

Delphinus

<i>D. delphis</i> (<i>bairdii</i>)	Common dolphin	Temperate, tropical seas; Black Sea
<i>D. tropicalis</i>	Tropical dolphin	Indian Ocean, etc., tropical

Tursiops

<i>T. truncatus</i> (<i>gilli</i>)	Bottle-nosed dolphin	Atlantic, Indian Oc., Pacific; tropical, temperate
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Lissodelphis; right whale dolphins; Pacific, S Atlantic.

<i>L. borealis</i>	Northern right whale dolphin	N Pacific; temperate
<i>L. peronii</i>	Southern right whale dolphin	S Atlantic, S Pacific; temperate, subtropical

Lagenodelphis

<i>L. hosei</i>	Fraser's dolphin	Pacific, Indian Oc., W Atlantic; tropical
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Lagenorhynchus; short-beaked dolphins; all temperate and polar seas.

<i>L. acutus</i>	Atlantic white-sided dolphin	N Atlantic, Atlantic Arctic; cold temperate, polar
<i>L. albirostris</i>	White-beaked dolphin	N Atlantic, Atlantic Arctic; cold temperate, polar

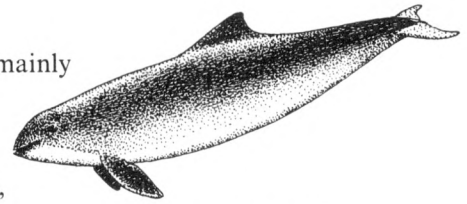
<i>L. australis</i>	Peale's dolphin	Southern S America; coastal
<i>L. cruciger</i>	Hourglass dolphin	S Atlantic, S Pacific, Southern Oc.; temperate
<i>L. obliquidens</i>	Pacific white-sided dolphin	N Pacific; temperate
<i>L. obscurus</i>	Dusky dolphin	Southern Oc.; inshore
<i>Peponocephala</i>; (<i>Lagenorhynchus</i>).		
<i>P. electra</i>	Melon-headed whale	Tropical seas
<i>Cephalorhynchus</i>; piebald dolphins; southern temperate seas; coastal.		
<i>C. commersoni</i>	Commerson's dolphin	Patagonia, S Georgia, Kerguelen; K
<i>C. eutropia</i>	Black dolphin	Chile; K
<i>C. heavisidii</i>	Heaviside's dolphin	S Africa; K
<i>C. hectori</i>	Hector's dolphin	New Zealand; K
<i>Orcaella</i>		
<i>O. brevirostris</i>	Irrawaddy dolphin	Bay of Bengal – N Australia; coastal, large rivers; K
<i>Pseudorca</i>		
<i>P. crassidens</i>	False killer whale	All seas; tropical, temperate
<i>Orcinus</i>		
<i>O. glacialis</i>	Southern killer	Southern Ocean (Indian Ocean sector); ref. 7.7
<i>O. orca</i>	Killer whale	All seas; mainly polar, temperate
<i>Grampus</i>; (<i>Grampidelphis</i>).		
<i>G. griseus</i> (<i>rectipinna</i>)	Risso's dolphin	All seas; mainly temperate
<i>Globicephala</i>; pilot whales, blackfish.		
<i>G. macrorhynchus</i> (<i>scammonii</i> ?) (<i>melas</i>)	Short-finned pilot whale	Subtropical Atlantic, Pacific
<i>G. melas</i> (<i>edwardi</i>) (<i>melaena</i>)	Long-finned pilot whale	N Atlantic, southern Oc.; temperate
<i>Feresa</i>		
<i>F. attenuata</i> (<i>occulta</i>)	Pygmy killer whale (Slender blackfish)	Atlantic, Pacific; tropical, warm temperate

Family Phocoenidae

Porpoises; c. 6 species; S temperate, N temperate and Arctic coasts; mainly fisheaters.

Phocoena

- | | | |
|---|---------------------------------------|--|
| <i>P. dioptrica</i> | Spectacled porpoise | La Plata – S Georgia,
? New Zealand |
| <i>P. phocoena</i>
(<i>vomerina</i>) | Common porpoise
(Harbour porpoise) | N Atlantic, N Pacific,
Arctic Oc., Black Sea; K |
| <i>P. sinus</i> | Gulf porpoise
(Cochito) | Gulf of California; V |
| <i>P. spinipinnis</i> | Burmeister's porpoise | La Plata – Peru |



Common porpoise
(*Phocoena phocoena*)

Phocoenoides

- | | | |
|-------------------------------------|-----------------|----------------------|
| <i>P. dalli</i>
(<i>truei</i>) | Dall's porpoise | N Pacific; temperate |
|-------------------------------------|-----------------|----------------------|

Neophocaena

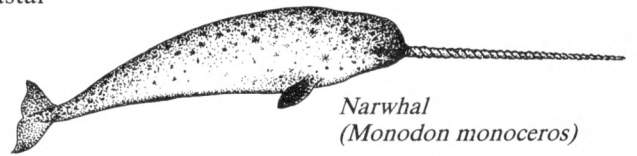
- | | | |
|---|------------------|--|
| <i>N. phocaenoides</i>
(<i>asiaeorientalis</i>)
(<i>sunameri</i>) | Finless porpoise | Iran – Borneo – Japan;
Yangtze-kiang; mainly
coastal |
|---|------------------|--|

Family Monodontidae

White whales; 2 species; Arctic Ocean.

Delphinapterus

- | | | |
|------------------|-------------------------|-----------------|
| <i>D. leucas</i> | White whale
(Beluga) | Arctic Ocean; K |
|------------------|-------------------------|-----------------|



Narwhal
(*Monodon monoceros*)

Monodon

- | | | |
|---------------------|---------|-----------------|
| <i>M. monoceros</i> | Narwhal | Arctic Ocean; K |
|---------------------|---------|-----------------|

Family Physeteridae

Sperm whales; 3 species; all oceans; squid-eaters.

Kogia

- | | | |
|---------------------|-------------------|----------------------------------|
| <i>K. breviceps</i> | Pygmy sperm whale | Tropical, warm temperate
seas |
| <i>K. simus</i> | Dwarf sperm whale | Tropical, subtropical |

Physeter

- | | | |
|---|-------------|--------------------------------------|
| <i>P. macrocephalus</i>
(<i>catodon</i>) | Sperm whale | All oceans; tropical,
(temperate) |
|---|-------------|--------------------------------------|



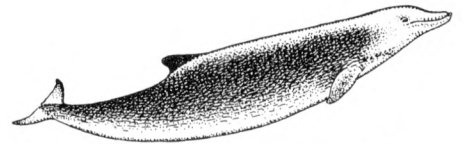
Sperm whale
(*Physeter macrocephalus*)

Family Ziphiidae

Beaked whales; c. 18 species; all oceans; mainly squid-eaters.

Tasmacetus

- | | | |
|----------------------|---|------------------------|
| <i>T. shepherdii</i> | Shepherd's beaked whale
(Tasman whale) | New Zealand, S America |
|----------------------|---|------------------------|



Cuvier's beaked whale
(*Ziphius cavirostris*)

Berardius

<i>B. arnuxii</i>	Arnoux's beaked whale (Southern four-toothed whale)	Southern hemisphere; temperate
<i>B. bairdii</i>	Baird's beaked whale (Northern four-toothed whale)	N Pacific; temperate

Indopacetus; (*Mesoplodon*); known only from two skulls.

<i>I. pacificus</i>	Indo-pacific beaked whale	Queensland; Somalia
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Mesoplodon; (*Micropteron*).

<i>M. bidens</i>	Sowerby's beaked whale	N Atlantic, Baltic; temperate
<i>M. bowdoini</i>	Andrew's beaked whale	SW Pacific, Indian Oc.
<i>M. carlhubbsi</i>	Hubb's beaked whale	N Pacific; warm temperate
<i>M. densirostris</i>	Blainville's beaked whale	All tropical & warm temperate seas
<i>M. europaeus</i> (<i>gervaisi</i>)	Gervais' beaked whale	N Atlantic, mainly western; subtropical, warm temperate
<i>M. ginkgodens</i>	Ginkgo-toothed beaked whale	N Pacific, Indian Oc.
<i>M. grayi</i>	Gray's beaked whale	S Pacific, S Indian Oc., S Atlantic, (NE Atlantic); temperate
<i>M. hectori</i>	Hector's beaked whale	S Hemisphere, N Pacific; temperate seas
<i>M. layardii</i>	Strap-toothed whale (Layard's beaked whale)	S Hemisphere; temperate seas
<i>M. mirus</i>	True's beaked whale	N Atlantic; S Africa; temperate
<i>M. stejnegeri</i>	Stejneger's beaked whale	N Pacific; temperate

Ziphius

<i>Z. cavirostris</i>	Cuvier's beaked whale (Goose-beaked whale)	All oceans; temperate, tropical
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Hyperoodon; bottle-nose whales.

<i>H. ampullatus</i>	Northern bottlenose whale	Arctic Oc., N Atlantic; V
<i>H. planifrons</i>	Southern bottlenose whale	S Atlantic, Indian Oc., S Pacific, Southern Oc.

SUBORDER MYSTICETI

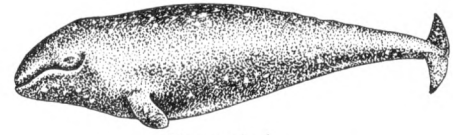
Baleen whales; 10 species; all oceans; filter-feeders.

Family Eschrichtiidae

One species.

Eschrichtius; (*Rhachianectes*).

<i>E. robustus</i> (<i>glaucus</i>) (<i>gibbosus</i>)	Grey whale	NE, (NW) Pacific; coastal († N Atlantic)
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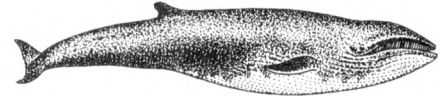
Grey whale
(*Eschrichtius robustus*)

Family Balaenopteridae

Rorquals; 6 species; all oceans.

Balaenoptera; (*Sibbaldus*); rorquals; all oceans; off-shore.

<i>B. acutorostrata</i>	Minke whale (Lesser rorqual)	All oceans
<i>B. borealis</i>	Sei whale	All oceans
<i>B. edeni</i>	Bryde's whale	All oceans
<i>B. musculus</i> (<i>brevicauda</i>)	Blue whale	All oceans; E
<i>B. physalus</i>	Fin whale (Common rorqual)	All oceans; V



Fin whale
(*Balaenoptera physalus*)

Megaptera

<i>M. novaeangliae</i>	Humpback whale	All oceans; E
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Family Balaenidae

Right whales; 3 species; temperate, polar seas; mainly coastal.

Caperea

<i>C. marginata</i>	Pygmy right whale	S Hemisphere; temperate, polar
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Balaena; (*Eubalaena*).

<i>B. glacialis</i> (<i>australis</i>)	Black right whale	All temperate and subarctic seas; E/V
<i>B. mysticetus</i>	Bowhead (Greenland right whale)	Arctic Ocean; E



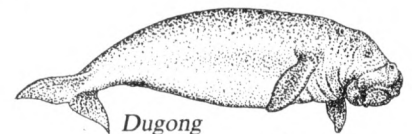
Black right whale
(*Balaena glacialis*)

ORDER SIRENIA

Sea cows; 5 species (one of them extinct); coasts of Indian Ocean, coasts and adjacent rivers of tropical Atlantic Ocean (formerly also N Pacific); herbivores.

Family Dugongidae***Dugong***

<i>D. dugon</i>	Dugong	E Africa, Red Sea – N Australia; coastal; V
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Dugong
(*Dugong dugon*)

Hydrodamalis

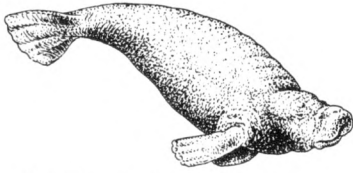
<i>H. gigas</i> †	Steller's sea cow	Bering Sea, N Pacific; extinct
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Family Trichechidae

Manatees; 3 species; coasts of tropical Atlantic and adjacent rivers.

Trichechus

<i>T. inunguis</i>	Amazon manatee	R Amazon; V
<i>T. manatus</i>	Caribbean manatee	Virginia – W Indies – Brazil; coastal; V
<i>T. senegalensis</i>	African manatee	Senegal – Angola; rivers; V



Caribbean Manatee
(*Trichechus*)

ORDER PROBOSCIDEA**Family Elephantidae**

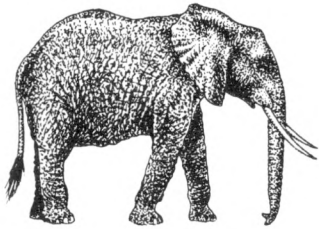
Elephants; 2 species; Africa, SE Asia; forest, savanna; herbivores.

Loxodonta

<i>L. africana</i> (<i>cyclotis</i>)	African elephant	Africa S of Sahara; forest, savanna; V
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Elephas

<i>E. maximus</i>	Indian elephant	India – Sumatra, Sri Lanka; [Borneo]; forest; V
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African Elephant
(*Loxodonte africana*)

ORDER PERISSODACTYLA

Odd-toed ungulates; 16 species; Eurasia, Africa, C, S America; herbivores.

Family Equidae

Horses etc.; 7 species; Africa, W, C Asia; steppe, savanna; grazers. Classification of the Asiatic asses remains unstable.

Equus; (Hemionus, Hippotigris).

<i>E. africanus</i> (<i>asinus</i>)	African ass	NE Africa; ancestor of domestic ass <i>E. asinus</i> ; E
<i>E. burchellii</i> (<i>quagga</i>)	Common zebra (Burchell's zebra)	E, S Africa; steppe, savanna
<i>E. ferus</i> (<i>caballus</i>) (<i>przewalskii</i>)	Wild horse	Mongolia, Sinkiang; († E Europe); ancestor of domestic horse <i>E. caballus</i> ; Ex ?
<i>E. grevyi</i>	Grevy's zebra	Kenya, Somalia, S Ethiopia; steppe; E



Common zebra
(*Equus burchellii*)

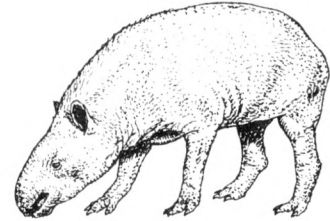
<i>E. hemionus</i> (kiang) (onager)	Asiatic wild ass (Kulan) (Kiang) (Onager)	Iran – Pakistan, Tibet, Mongolia (†Asia Minor, S Russia, etc.); steppe, subdesert; ref. 8.8; E/V
<i>E. quagga</i> †	Quagga	S Africa; extinct
<i>E. zebra</i>	Mountain zebra	SW Africa; E/V

Family Tapiridae

Tapirs; 4 species; C, S America, SE Asia; forest; browsers.

Tapirus; (*Acrocodia*).

<i>T. bairdii</i>	Baird's tapir	S Mexico – Ecuador; V
<i>T. indicus</i>	Malayan tapir	Burma – Sumatra; E
<i>T. pinchaque</i> (roulini)	Mountain tapir (Woolly tapir)	Colombia, Ecuador; V
<i>T. terrestris</i>	Brazilian tapir	Colombia – S Brazil



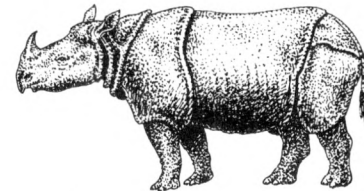
Brazilian tapir
(*Tapirus terrestris*)

Family Rhinocerotidae

Rhinoceroses; 5 species; Africa, SE Asia; forest, savanna; browsers, grazers.

Rhinoceros; SE Asia; high grass.

<i>R. sondaicus</i>	Javan rhinoceros	Java († Malaya – India); E
<i>R. unicornis</i>	Indian rhinoceros	Nepal, NE India; E



Javan rhinoceros
(*Rhinoceros sondaicus*)

Dicerorhinus; (*Didermoceros*).

<i>D. sumatrensis</i>	Sumatran rhinoceros	Borneo to Malaya, (formerly to Assam); forest; E
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Ceratotherium; (*Diceros*).

<i>C. simum</i>	White rhinoceros (Square-lipped rhinoceros)	Uganda etc., Zululand; savanna; grazer; (E)
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Diceros

<i>D. bicornis</i>	Black rhinoceros	Africa S of Sahara; savanna; browser; E
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ORDER HYRACOIDEA

Family Procaviidae

Hyraxes (dassies); c. 8 species; Africa, Arabia; forest, rock outcrops in savanna and steppe; herbivores.

Dendrohyrax; tree hyraxes; forest.

<i>D. arboreus</i>		Kenya – S Africa
<i>D. dorsalis</i>		Gambia – Uganda
<i>D. validus</i>		E Tanzania, Zanzibar, etc.



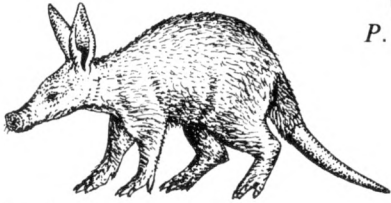
Rock hyrax
(*Procavia capensis*)

Heterohyrax

<i>H. brucei</i>	Small-toothed rock hyrax	SE Egypt – Transvaal
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Procavia; large-toothed rock hyraxes; classification very provisional.

<i>P. capensis</i> (<i>johnstoni</i>)	S Africa – S Malawi
<i>P. habessinica</i>	Ethiopian Highlands
<i>P. syriaca</i> (<i>ruficeps</i>)	Senegal – N Tanzania – Egypt, Syria, Arabia
<i>P. welwitschii</i>	N Namibia, S Angola



Aardvark
(*Orycteropus afer*)

One species.

Orycteropus

<i>O. afer</i>	Aardvark (Antbear)	Africa S of Sahara; savanna, steppe
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ORDER TUBULIDENTATA

Family Orycteropidae

ORDER ARTIODACTYLA

Even-toed ungulates; *c.* 194 species; Americas, Eurasia, Africa; herbivores.

Family Suidae

Pigs; 8 species; Eurasia, Africa; forest, savanna; omnivores.

Potamochoerus

<i>P. porcus</i>	Bush pig (Red river hog)	Africa S of Sahara, Madagascar; forest, savanna
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Sus; Eurasian pigs; Eurasia, (NW Africa); forest.

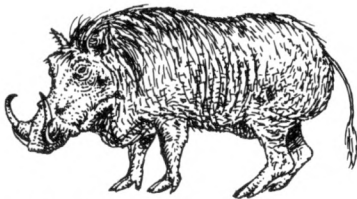
<i>S. barbatus</i>	Bearded pig	Malaya, Sumatra, Borneo, Philippines etc.; V
<i>S. salvanius</i>	Pygmy hog	SE Nepal, etc.; E
<i>S. scrofa</i>	Wild boar	Europe, NW Africa – SE Siberia – Java, Honshu, Taiwan, Sri Lanka, [New Guinea, New Zealand]; ancestor of domestic pig, <i>S. domesticus</i> ; V
<i>S. verrucosus</i> (<i>celebensis</i>)	Javan pig	Java, Sulawesi, Philippines; V

Phacochoerus

<i>P. aethiopicus</i>	Wart hog	Africa S of Sahara; steppe, savanna
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Hylochoerus

<i>H. meinertzhageni</i>	Giant forest hog	Liberia – SW Ethiopia; forest
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Wart hog
(*Phacochoerus aethiopicus*)

Babyrousa

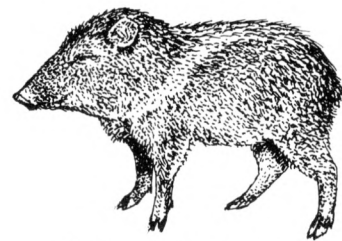
B. babyrussa Babirusa Sulawesi, etc.; forest; V

Family Tayassuidae

Peccaries; 3 species; Texas – S America; desert – forest.

Tayassu; (*Dicotyles*).

T. pecari White-lipped peccary Mexico – N Argentina;
(*albirostris*) [Cuba]; forest
T. tajacu Collared peccary S USA – C Argentina;
[Cuba]; desert –
forest



Collared peccary
(*Tayassu tajacu*)

Catagonus

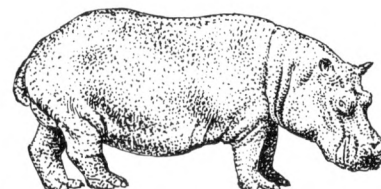
C. wagneri Chaco peccary Paraguay, N Argentina,
Bolivia; grassland,
scrub; ref. 8.1; V

Family Hippopotamidae

Hippopotamuses; 2 species; Africa; grazers.

Hippopotamus

H. amphibius Hippopotamus Africa S of Sahara;
grassland with rivers or
lakes



Hippopotamus
(*Hippopotamus amphibius*)

Choeropsis

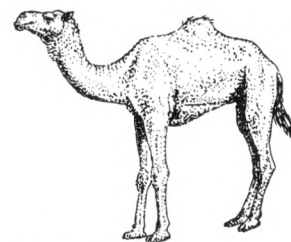
C. liberiensis Pygmy hippopotamus Sierra Leone – Nigeria;
forest by fresh water; V

Family Camelidae

Camels, llamas; 4 species; S America, SW, C Asia, ? N Africa; desert, steppe.

Lama

L. guanicoe Guanaco Peru – Patagonia; possible
ancestor of domestic
llama, *L. glama* and
alpaca, *L. pacos*



Dromedary
(*Camelus dromedarius*)

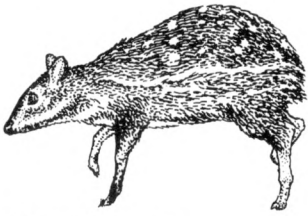
Vicugna; (*Lama*).

V. vicugna Vicugna Peru – N Chile;
montane; V

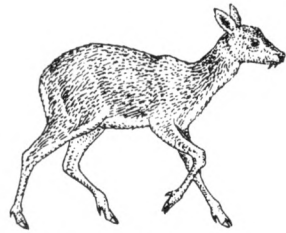
Camelus

C. ferus Bactrian camel C Asia; ancestor of
(*bactrianus*) (Two-humped camel) domestic Bactrian camel
C. bactrianus; V

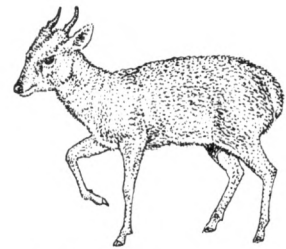
C. dromedarius Dromedary ? Arabia, only known as
(Arabian camel) domestic animal
(One-humped camel)



Water chevrotain
(*Hyemoschus aquaticus*)



Siberian musk deer
(*Moschus moschiferus*)



Chinese muntjac
(*Muntiacus reevesi*)

Family Tragulidae

Chevrotains (mouse-deer); c. 4 species; W, C Africa, SE Asia; forest.

Hyemoschus

H. aquaticus Water chevrotain Sierra Leone –
W Uganda

Tragulus

T. javanicus Lesser Malay chevrotain Indochina – Java, Borneo
T. meminna Indian spotted chevrotain India, Sri Lanka
T. napu Greater Malay chevrotain S Indochina – Sumatra,
Borneo

Family Moschidae

Musk deer; 5 species; E Asia; forest; classification very unstable.

Moschus

M. berezovskii SW China, etc.
M. chrysogaster Forest musk deer W Himalayas – Gansu; V
M. fuscus Yunnan, China; ref. 8.2
M. moschiferus Siberian musk deer E Siberia
(*sibiricus*)
M. sifanicus Alpine musk deer W Himalayas – Shaanxi

Family Cervidae

Deer; c. 38 species; Americas, Eurasia, (NW Africa); mainly forest; browsers, grazers.

Hydropotes

H. inermis Chinese water deer EC China, Korea,
[England]

Muntiacus; muntjacs (barking deer); E Asia.

M. atherodes Bornean yellow muntjac Borneo; ref. 8.3
(*pleiharicus*)
M. crinifrons Black muntjac Zhejiang, etc., E China; I
M. feae Fea's muntjac Thailand; E
M. muntjak Indian muntjac India – S China – Java,
Borneo, Sri Lanka,
Taiwan
M. reevesi Chinese muntjac S, E China, Taiwan,
[England, France]
M. rooseveltorum Roosevelt's muntjac Indochina

Elaphodus

E. cephalophus Tufted deer S China, N Burma

Cervus; (*Axis*, *Dama*, *Sika*); Eurasia, (N America).

C. albirostris Thorold's deer E Tibetan Plateau; I

<i>C. alfredi</i>		Negros, Panay etc., Philippines; ref. 8.4; E
<i>C. axis</i>	Spotted deer (Chital)	India etc., Sri Lanka, [New Zealand, Argentina, USA, etc.]
<i>C. dama</i> (<i>mesopotamica</i>)	Fallow deer	S, [W, C] Europe – S Iran, [N, S America, S Africa, Australia, New Zealand, etc.]; (E)
<i>C. duvaucelii</i>	Swamp deer (Barasingha)	India, SW Nepal; E
<i>C. elaphus</i> (<i>canadensis</i>)	Red deer, Wapiti (American elk)	W Europe, NW Africa – W China; W Canada, W USA; [New Zealand, Argentina]; (E/V)
<i>C. eldii</i>	Thamin	Assam – Indochina, Hainan; E
<i>C. mariannus</i> (<i>unicolor</i>)	Philippine rusa	Marianas Is, Philippines; ref. 8.4
<i>C. nippon</i>	Sika deer	SE Siberia – E China, Japan, Taiwan, [W Europe, New Zealand]; (E)
<i>C. porcinus</i> (<i>calamianensis</i>) (<i>kuhli</i>)	Hog-deer	NW India – Indochina, Bawean I (Java), Calamian Is (Philippines), [Australia, Sri Lanka]; (V/R)
<i>C. schomburgki</i> †	Schomburgk's deer	Thailand; extinct
<i>C. timorensis</i>	Timor deer (Rusa deer)	Java, Sulawesi, Timor, etc., [N Australia, New Zealand]
<i>C. unicolor</i>	Sambar	India – S China – Java, Borneo, Sulawesi, Philippines, Sri Lanka, [Australia, New Zealand]
<i>Elaphurus</i>		
<i>E. davidianus</i>	Père David's deer	NE China; extinct in wild
<i>Alces</i>		
<i>A. alces</i>	Moose, Elk (Europe)	Scandinavia – E Siberia; Alaska, Canada, N USA; [New Zealand]; con. forest
<i>Rangifer</i>		
<i>R. tarandus</i> (<i>caribou</i>)	Reindeer, Caribou	Scandinavia – E Siberia; Alaska, Canada, Greenland; tundra; includes domestic reindeer

Odocoileus; (*Blastocerus*, *Ozotoceros*).

<i>O. bezoarticus</i> (<i>campestris</i>)	Pampas deer	E Brazil – N Argentina; grassland; (E)
<i>O. hemionus</i>	Mule deer (Black-tailed deer)	S Alaska – W, C USA – N Mexico; (R)
<i>O. virginianus</i>	White-tailed deer	S Canada – Peru, N Brazil; [Cuba, etc., New Zealand]; (R)

Blastocerus; (*Odocoileus*).

<i>B. dichotomus</i>	Marsh deer	S Brazil – NE Argentina; V
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Hippocamelus; guemals (huemuls); Andes.

<i>H. antisensis</i>	Peruvian guemal	Ecuador – NW Argentina; V
<i>H. bisulcus</i>	Chilean guemal	S, C Chile, SW Argentina; E

Mazama; brockets; C, S America.

<i>M. americana</i>	Red brocket	C Mexico – N Argentina
<i>M. chunyi</i>	Dwarf brocket	S Peru, N Bolivia
<i>M. gouazoubira</i>	Brown brocket	S Mexico – N Argentina
<i>M. rufina</i>	Little red brocket	Venezuela – Ecuador

Pudu; pudus; Andes.

<i>P. mephistophiles</i>	Northern pudu	Colombia – N Peru; I
<i>P. pudu</i>	Southern pudu	S Chile, SW Argentina

Capreolus; roe deer; ref. 8.9

<i>C. capreolus</i>	Western roe deer	W Europe – W Siberia
<i>C. pygargus</i>	Eastern roe deer	Tien Shan, C Siberia – S China



Giraffe
(*Giraffa camelopardalis*)



Pronghorn
(*Antilocapra americana*)

Family Giraffidae

Giraffe, Okapi; 2 species, Africa; browsers.

Okapia

<i>O. johnstoni</i>	Okapi	Zaire; forest
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Giraffa

<i>G. camelopardalis</i>	Giraffe	Africa S of Sahara; savanna
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Family Antilocapridae

One species; sometimes included in the Bovidae.

Antilocapra

<i>A. americana</i>	Pronghorn	W, C USA – N Mexico; [Argentina]; desert, grassland; (E)
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Family Bovidae

Cattle, antelope, sheep, goats; c. 127 species; N America, Eurasia, Africa; grazers, browsers.

Tragelaphus; (*Limnotragus*, *Boocercus*, *Strepsiceros*, *Taurotragus*).

<i>T. angasii</i>	Nyala	Natal – Malawi; savanna
<i>T. buxtoni</i>	Mountain nyala	Ethiopia; montane forest, grassland; E
<i>T. derbianus</i>	Giant eland	Senegal – Nile; savanna; (E)
<i>T. eurycerus</i>	Bongo	Sierra Leone – Kenya; forest
<i>T. imberbis</i>	Lesser kudu	Ethiopia – Tanzania, ? S Arabia; steppe
<i>T. oryx</i>	Eland	E, S Africa; savanna
<i>T. scriptus</i>	Bushbuck	Africa S of Sahara; forest, scrub
<i>T. spekii</i>	Sitatunga	Africa S of Sahara; swamps
<i>T. strepsiceros</i>	Greater kudu	Chad – Ethiopia – S Africa; savanna

Boselaphus

<i>B. tragocamelus</i>	Nilgai	India; forest, scrub
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Tetracerus

<i>T. quadricornis</i>	Four-horned antelope	India; woodland
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Bubalus; (*Anoa*); Asiatic buffaloes; SE Asia.

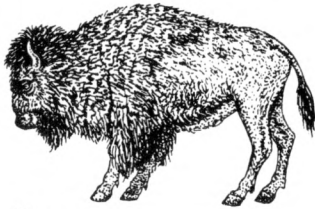
<i>B. arnee</i> (<i>bubalis</i>)	Water buffalo	India; ancestor of domestic <i>B. bubalis</i> ; E
<i>B. depressicornis</i>	Lowland anoa	Sulawesi; forest; E
<i>B. mindorensis</i>	Tamarau	Mindoro, Philippines; swamp, forest; E
<i>B. quarlesi</i>	Mountain anoa	Sulawesi; E

Bos; (*Bibos*); oxen; Eurasia; forest.

<i>B. gaurus</i>	Gaur (Indian bison)	India – Malaya; forest; ancestor of domestic mithan (gayal), <i>B. frontalis</i> ; V
<i>B. javanicus</i> (<i>banteng</i>)	Banteng	Burma – Java, Borneo; forest; includes domestic Bali cattle; V
<i>B. mutus</i> (<i>grunniens</i>)	Yak	Tibetan Plateau; montane grassland; ancestor of domestic yak, <i>B. grunniens</i> ; E



Greater kudu
(*Tragelaphus strepsiceros*)



Bison
(*Bison bison*)

<i>B. primigenius</i> (<i>taurus</i>)	Aurochs (Urus)	Europe, W Asia; extinct in wild but ancestor of domestic cattle, <i>B. taurus</i> , including zebu, <i>B. indicus</i>
<i>B. sauveli</i>	Kouprey	Indochina; forest; E
<i>Synceros</i>		
<i>S. caffer</i> (<i>nanus</i>)	African buffalo	Africa S of Sahara; forest, savanna
<i>Bison</i>; ref. 8.10		
<i>B. bison</i> (<i>bonasus</i>)	Bison (Wisent)	N America, E Europe; grassland (woodland); (V)
<i>Cephalophus</i>; forest duikers; Africa S of Sahara; forest.		
<i>C. adersi</i>	Aders' duiker	Zanzibar, E Kenya; V
<i>C. callipygus</i>	Peters' duiker	Gabon, Cameroun, etc.
<i>C. dorsalis</i>	Bay duiker	Guinea – Zaire, etc.
<i>C. jentinki</i>	Jentink's duiker	Liberia, etc.; E
<i>C. leucogaster</i>	White-bellied duiker	Cameroun – E Zaire
<i>C. natalensis</i>	Red forest duiker	Somalia – E Zaire – S Africa
<i>C. niger</i>	Black duiker	Guinea – Nigeria
<i>C. nigrifrons</i>	Black-fronted duiker	Cameroun – Kenya – Angola; wet forest
<i>C. ogilbyi</i>	Ogilby's duiker	Sierra Leone – Gabon
<i>C. rufilatus</i>	Red-flanked duiker	Senegal – Sudan; forest-edge, thicket
<i>C. spadix</i>	Abbott's duiker	Tanzania; montane; V
<i>C. sylvicultor</i>	Yellow-backed duiker	Gambia – Kenya – Angola
<i>C. weynsi</i>		Zaire – W Kenya
<i>C. zebra</i>	Banded duiker	Liberia, etc.; V
<i>Philantomba</i>; (<i>Cephalophus</i>).		
<i>P. maxwellii</i>	Maxwell's duiker	Senegal – Nigeria
<i>P. monticola</i>	Blue duiker	SE Nigeria – Kenya – S Africa
<i>Sylvicapra</i>		
<i>S. grimmia</i>	Common duiker	Africa S of Sahara; savanna
<i>Kobus</i>; (<i>Adenota</i>, <i>Onotragus</i>); Africa S of Sahara.		
<i>K. ellipsiprymnus</i> (<i>defassa</i>)	Waterbuck	Africa S of Sahara; savanna
<i>K. kob</i>	Kob	Volta – Kenya; savanna
<i>K. leche</i>	Lechwe	Zambia, etc.; wet grassland; V

<i>K. megaceros</i>	Nile lechwe	S Sudan; swamps
<i>K. vardonii</i>	Puku	Zambia, etc.; savanna

Redunca; reedbuck; Africa S of Sahara; savanna.

<i>R. arundinum</i>	Reedbuck	S Africa – L Victoria
<i>R. fulvorufula</i>	Mountain reedbuck	S, E, C Africa
<i>R. redunca</i>	Bohar reedbuck	Senegal – Tanzania

Pelea

<i>P. capreolus</i>	Grey rhebok	S Africa; hilly grassland
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Hippotragus

<i>H. equinus</i>	Roan antelope	Africa S of Sahara; savanna
<i>H. leucophaeus</i> †	Blue buck	SW Africa; extinct
<i>H. niger</i>	Sable antelope	S Africa – Kenya; savanna; (E)

Oryx

<i>O. dammah</i> (<i>tao</i>)	Scimitar oryx	S edge of Sahara; semi-desert; E
<i>O. gazella</i> (<i>beisa</i>)	Gemsbok (Beisa)	SW, E Africa; steppe
<i>O. leucoryx</i>	Arabian oryx	Arabia; desert; E

Addax

<i>A. nasomaculatus</i>	Addax	Sahara; desert, semi-desert; E
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Connochaetes; (*Gorgon*); wildebeest; steppe.

<i>C. gnou</i>	Black wildebeest (White-tailed gnu)	S Africa
<i>C. taurinus</i>	Blue wildebeest (Brindled gnu)	S, E Africa

Alcelaphus

<i>A. buselaphus</i>	Red hartebeest	W, E, SW Africa; steppe; (E)
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Sigmoceros

<i>S. lichtensteinii</i>	Lichtenstein's hartebeest	Angola – Tanzania; savanna
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Damaliscus; (*Beatragus*).

<i>D. dorcas</i>	Bontebok, Blesbok	S Africa; steppe; (V)
<i>D. hunteri</i>	Hunter's hartebeest	NE Kenya, S Somalia; steppe; R
<i>D. lunatus</i> (<i>korrigum</i>)	Tsessebi, Topi	Africa S of Sahara; savanna

Oreotragus

O. oreotragus Klipspringer Africa S of Sahara; rocky hills in savanna

Madoqua; (*Rhynchotragus*); dik-diks; E, S Africa; dry steppe; ref. 8.5.

M. guentheri Gunther's dik-dik E Africa

M. kirkii Kirk's dik-dik SW, E Africa
(Damara dik-dik)

M. piacentinii SE Somalia

M. saltiana Salt's dik-dik N, E Ethiopia, Somalia
(*phillipsi*) (Swayne's dik-dik)
(*swaynei*)

Dorcatragus

D. megalotis Beira antelope Somalia, E Ethiopia; semi-desert; K

Ourebia

O. ourebi Oribi Africa S of Sahara; steppe, savanna

Raphiceros

R. campestris Steenbok S, E Africa; steppe, savanna

R. melanotis Cape grysbok SW Africa; steppe

R. sharpei Sharpe's grysbok S Africa – Tanzania; savanna

Neotragus; (*Nesotragus*).

N. batesi Bates' dwarf antelope SE Nigeria – E Zaire, etc.; forest

N. moschatus Suni Kenya – Natal; thicket; (E)

N. pygmaeus Royal antelope Sierra Leone – Ghana; forest

Aepyceros

A. melampus Impala S, E Africa; savanna; (E)

Antilope

A. cervicapra Blackbuck India; [Texas]; steppe

Antidorcas

A. marsupialis Springbok S Africa; steppe

Litocranius

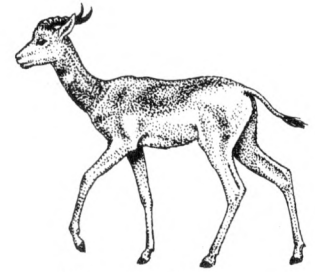
L. walleri Gerenuk E Africa; steppe

Ammodorcas

A. clarkei Dibatag Somalia, E Ethiopia; semi-desert; V

Gazella; gazelles; Sahara – Tanzania – Mongolia; desert, steppe.

<i>G. arabica</i>		Farsan I, Red Sea
<i>G. bennettii</i> (<i>dorcas</i>)	Indian gazelle	Iran – C India; ref. 8.11
<i>G. bilkis</i>		Yemen; ref. 8.7
<i>G. cuvieri</i>	Edmi gazelle	Morocco, N Algeria, Tunis; E
<i>G. dama</i>	Addra gazelle	W, S Sahara; V
<i>G. dorcas</i>	Dorcas gazelle	Sahara – Arabia; V
<i>G. gazella</i>	Mountain gazelle (Idmi)	Arabia – Israel; V
<i>G. granti</i>	Grant's gazelle	Ethiopia – Tanzania
<i>G. leptoceros</i>	Sand gazelle (Rhim)	N Sahara; V
<i>G. rufifrons</i>	Red-fronted gazelle	Senegal – Ethiopia; V
<i>G. rufina</i> †	Red gazelle	Algeria; extinct
<i>G. soemmerringii</i>	Soemmerring's gazelle	Sudan, Ethiopia, Somalia; V
<i>G. spekei</i>	Speke's gazelle (Dero)	Somalia, E Ethiopia; V
<i>G. subgutturosa</i>	Goitred gazelle	Arabia – Pakistan – Mongolia; (E)
<i>G. thomsonii</i>	Thomson's gazelle	Sudan – Tanzania



Addra gazelle
(*Gazella dama*)

Procprapa; Chinese gazelles; Mongolia – Tibet; steppe.

<i>P. gutturosa</i>	Mongolian gazelle	Mongolia, etc.
<i>P. picticaudata</i>	Tibetan gazelle	Tibetan Plateau
<i>P. przewalskii</i>	Przewalski's gazelle	C China

Pantholops

<i>P. hodgsonii</i>	Chiru (Tibetan antelope)	Tibetan Plateau
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Saiga

<i>S. tatarica</i>	Saiga	S Russia – Mongolia; steppe
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Nemorhaedus; goral; E Asia; montane forest.

<i>N. cranbrookii</i>	Red goral	N Burma; V
<i>N. goral</i>	Common goral	Himalayas – SE Siberia

Capricornis; serows; E, SE Asia; forest.

<i>C. crispus</i>	Japanese serow	Japan, Taiwan; V
<i>C. sumatraensis</i>	Mainland serow	Kashmir – C China – Sumatra; (E)

Oreamnos

<i>O. americanus</i>	Mountain goat	NW USA – S Alaska
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Rupicapra; chamois; Europe, montane; ref. 8.12; (E/V/R).

<i>R. pyrenaica</i>	Pyrenean chamois	Iberia, Pyrenees, C Italy
<i>R. rupicapra</i>	Alpine chamois	Alps – Caucasus, [New Zealand]

Ovibos

<i>O. moschatus</i>	Musk ox	Alaska – Greenland; [Norway, Spitzbergen, N Siberia]; tundra
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Budorcas

<i>B. taxicolor</i>	Takin	E Himalayas, SW China; montane forest; (R/I)
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Hemitragus; tahrs; SW, S Asia; montane.

<i>H. hyllocrius</i>	Nilgiri tahr	S India; V
<i>H. jayakari</i>	Arabian tahr	Oman; E
<i>H. jemlahicus</i>	Himalayan tahr	Himalayas, [New Zealand, California, S Africa]

Capra; goats; S Europe – C Asia – NE Africa; montane.

<i>C. aegagrus</i> (<i>hircus</i>)	Wild goat (Bezoar)	Pakistan – Asia Minor, Crete; ancestor of domestic goat <i>C. hircus</i>
<i>C. caucasica</i>	West Caucasian tur	W Caucasus
<i>C. cylindricornis</i>	East Caucasian tur	E Caucasus
<i>C. falconeri</i>	Markhor	W Himalayas, Afghanistan, etc.; E/V
<i>C. ibex</i> (<i>sibirica</i>) (<i>walie</i>)	Ibex	Alps – C Asia – Ethiopia; (E)
<i>C. pyrenaica</i>	Spanish ibex	Spain; (E)

Ammotragus; (*Capra*).

<i>A. lervia</i>	Barbary sheep (Aoudad)	Sahara, etc., [S, SW USA]; (V)
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Pseudois

<i>P. nayaur</i>	Bharal (Blue sheep)	Himalayas, W China; montane
<i>P. schaeferi</i>	Dwarf blue sheep	Upper Yangtze, China

Ovis; sheep; W, C, NE Asia, W N America; montane; classification unstable.

<i>O. ammon</i>	Argali	Altai – Himalayas; V
<i>O. canadensis</i>	American bighorn (Mountain sheep)	SW Canada – W USA – N Mexico
<i>O. dalli</i>	Dall sheep (White sheep)	Alaska – N Br. Colombia
<i>O. nivicola</i>	Siberian bighorn	NE Siberia



Ibex
(*Capra ibex*)

<i>O. orientalis</i> (<i>laristanica</i>) (<i>musimon</i>)	Mouflon	Iran – Asia Minor, [Sardinia, Corsica, Cyprus, C Europe]; ancestor of domestic sheep, <i>O. aries</i> ; (V)
<i>O. vignei</i>	Urial	Kashmir – Iran, Turkestan

ORDER PHOLIDOTA

One family.

Family Manidae

Pangolins (scaly anteaters); 7 species; Africa, S Asia; forest, savanna; arboreal, terrestrial; feed on ants and termites; ref. 8.6.

Manis; (*Paramanis*); Asian pangolins.

<i>M. crassicaudata</i>	Indian pangolin	India, Sri Lanka
<i>M. javanica</i>	Malayan pangolin	Burma – Java, Borneo, Palawan
<i>M. pentadactyla</i>	Chinese pangolin	Nepal – S China, Taiwan

Phataginus; (*Smutsia*, *Uromanis*); African pangolins.

<i>P. gigantea</i>	Giant ground pangolin	Senegal – Uganda – Angola; savanna, forest
<i>P. temminckii</i>	Temminck's ground pangolin	S Sudan – S Africa; savanna
<i>P. tetradactyla</i> (<i>longicaudata</i>)	Long-tailed pangolin	Senegal – Uganda – Angola; forest, arboreal
<i>P. tricuspis</i>	Tree pangolin	Senegal – W Kenya – Angola; forest, arboreal



Tree pangolin
(*Phataginus tricuspis*)

ORDER RODENTIA

Rodents; *c.* 1793 species; worldwide; terrestrial, arboreal, subterranean, aquatic; mainly seed-eaters, also herbivores and insectivores.

Family Aplodontidae

One species.

Aplodontia

<i>A. rufa</i>	Mountain beaver (Sewellel)	NW USA; wet forest; I
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Mountain beaver
(*Aplodontia rufa*)

Family Sciuridae

Squirrels; *c.* 254 species; Eurasia, Africa, N, C, S America; forest, savanna, (steppe).

Subfamily Sciurinae

Tree and ground squirrels; c. 216 species.

Sciurus; (*Guerlinguetus*, *Neosciurus*); Palaearctic and American tree squirrels; forest; arboreal.

Tassel-eared squirrel
(*Sciurus aberti*)

<i>S. aberti</i> (<i>kaibabensis</i>)	Tassel-eared squirrel	Colorado – NW Mexico, Arizona; montane pine forest N Argentina – Venezuela
<i>S. aestuans</i> (<i>gilvularis</i>)		
<i>S. alleni</i>	Allen's squirrel	NE Mexico
<i>S. anomalus</i>	Persian squirrel	Iran, Asia Minor, etc.
<i>S. arizonensis</i>	Arizona grey squirrel	Arizona, N Mexico; montane
<i>S. aureogaster</i> (<i>griseoflavus</i>) (<i>nelsoni</i>) (<i>poliopus</i>)	Mexican grey squirrel	C Mexico – Guatemala
<i>S. carolinensis</i>	Eastern grey squirrel	E, C USA, SE Canada, [Britain, Ireland, S Africa]; dec. forest
<i>S. colliaei</i>	Collie's squirrel	NW Mexico; montane
<i>S. deppei</i>	Deppe's squirrel	E Mexico – Costa Rica
<i>S. flammifer</i>		Venezuela
<i>S. granatensis</i>	Tropical red squirrel	Ecuador, Venezuela – Costa Rica
<i>S. griseus</i>	Western grey squirrel	Washington – California
<i>S. ignitus</i>		N Argentina – Peru, W Brazil
<i>S. igniventris</i>		Colombia – Peru, N Brazil
<i>S. lis</i>	Japanese squirrel	Japan, except Hokkaido
<i>S. nayaritensis</i> (<i>apache</i>)	Nayarit squirrel	NW Mexico – S Arizona
<i>S. niger</i>	Eastern fox squirrel	E, C USA; open forest; (E)
<i>S. oculatus</i>	Peters' squirrel	C Mexico
<i>S. pucheranii</i>		Colombia
<i>S. pyrrhinus</i>		E Peru
<i>S. richmondi</i>	Richmond's squirrel	Nicaragua
<i>S. sanborni</i>		SE Peru
<i>S. spadiceus</i> (<i>langsдорffi</i>) (<i>pyrrhonotus</i>)		Amazon Basin
<i>S. stramineus</i>		NE Peru, SE Ecuador
<i>S. variegatoides</i> (<i>goldmani</i>)	Variiegated squirrel	SE Mexico – Panama
<i>S. vulgaris</i>	Eurasian red squirrel	Ireland – Hokkaido; con. forest
<i>S. yucatanensis</i>	Yucatan squirrel	Yucatan, Guatemala

Syntheosciurus; Central America; montane forest.

S. brochus Panama mountain squirrel Panama, Costa Rica; K
(*poasensis*)

Microsciurus; American pygmy squirrels.

M. alfari Alfaro's pygmy squirrel S Nicaragua – Panama
M. flaviventer N Brazil, Peru
M. mimulus Cloud-forest pygmy Panama – Ecuador
(*isthmius*) squirrel
(*boquetensis*)
M. santanderensis Colombia

Sciurillus

S. pusillus South American pygmy S America N of Amazon;
squirrel forest

Prosciurillus; Sulawesi dwarf squirrels; Sulawesi.

P. abstrusus SE Sulawesi
P. leucomus Sulawesi
P. murinus Sulawesi

Rheithrosciurus

R. macrotis Tufted ground squirrel Borneo; forest

Tamiasciurus; American red squirrels (chickarees); N America; coniferous forest.

T. douglasii Douglas' squirrel W coast USA
T. hudsonicus American red squirrel Canada, NE USA, Rockies
(*fremonti*)
T. mearnsi Baja California

Funambulus; palm squirrels (Indian striped squirrels); India etc.; forest, scrub; terrestrial.

F. layardi Layard's striped squirrel Sri Lanka, S India
F. palmarum Indian palm squirrel Sri Lanka, India
F. pennantii Northern palm squirrel N, C India, Pakistan,
Nepal
F. sublineatus Dusky striped squirrel Sri Lanka, S India
F. tristriatus Jungle striped squirrel SW India

Ratufa; oriental giant squirrels; SE Asia; forest.

R. affinis Cream-coloured giant Malaya, Sumatra, Borneo
squirrel
R. bicolor Black giant squirrel Nepal – S China – Java
R. indica Indian giant squirrel S, C India
R. macroura Grizzled Indian squirrel S India, Sri Lanka

Protoxerus; African giant squirrels; W, C, E Africa; forest.

P. aubinni Slender-tailed giant squirrel Liberia – Ghana
P. stangeri Giant forest squirrel Sierra Leone – Kenya –
Angola



Giant forest squirrel
(*Protoxerus stangeri*)

Epixerus; African palm squirrels; high forest.

<i>E. ebii</i>	Temminck's giant squirrel	Sierra Leone – Ghana
<i>E. wilsoni</i>		Cameroun – R Zaire

Funisciurus; African striped squirrels, rope squirrels; Africa; forest.

<i>F. anerythrus</i>	Thomas' tree squirrel	Senegal, Nigeria – Uganda, Zaire
<i>F. bayonii</i>	Bocage's tree squirrel	NE Angola, SW Zaire
<i>F. carruthersi</i>	Mountain tree squirrel	Ruwenzori – Burundi; montane
<i>F. congicus</i>	Kuhl's tree squirrel	R Zaire – SW Africa
<i>F. isabella</i>	Gray's four-striped squirrel	Cameroun – R Zaire
<i>F. lemmiscatus</i>	Leconte's four-striped squirrel	R Sanaga – R Zaire
<i>F. leucogenys</i>	Orange-headed squirrel	Ghana – Cent. Af. Rep. – Rio Muni
<i>F. pyrrhopus</i>	Cuvier's tree squirrel	Gambia – Uganda – Angola
<i>F. substriatus</i>	De Winton's tree squirrel	Ivory Coast – Nigeria

Paraxerus; (*Aethosciurus*, *Montisciurus*); African bush squirrels; Africa; savanna, dry forest.

<i>P. alexandri</i>	Alexander's bush squirrel	NE Zaire, Uganda
<i>P. boehmi</i>	Boehm's bush squirrel	E, C Africa
<i>P. cepapi</i>	Smith's bush squirrel (S African tree squirrel)	S Angola – S Tanzania – Transvaal
<i>P. cooperi</i>	Cooper's green squirrel	Cameroun
<i>P. flavivittis</i>	Striped bush squirrel	N Mozambique – S Kenya
<i>P. lucifer</i>	Black and red bush squirrel	N Malawi, SW Tanzania; montane
<i>P. ochraceus</i>	Huet's bush squirrel	Tanzania – S Sudan
<i>P. palliatus</i>	Red bush squirrel	Natal – Somalia
<i>P. poensis</i>	Small green squirrel	Sierra Leone – R Zaire
<i>P. vexillarius</i>	Swynnerton's bush squirrel	C, E Tanzania; montane
<i>P. vincenti</i>	Vincent's bush squirrel	N Mozambique; (in <i>P.</i> <i>vexillarius</i> ?)

Heliosciurus; sun squirrels; Africa; forest; arboreal.

<i>H. gambianus</i>	Gambian sun squirrel	Senegal – Ethiopia – Zambia; savanna, secondary forest
<i>H. mutabilis</i>	Southern sun squirrel	Zimbabwe – S Tanzania
<i>H. rufobrachium</i>	Red-legged sun squirrel	W Africa
<i>H. ruwenzorii</i>	Ruwenzori sun squirrel	E Zaire, etc.; montane forest
<i>H. undulatus</i>	Eastern sun squirrel	E Africa

Hyosciurus; Sulawesi long-nosed squirrels.

<i>H. heinrichi</i>		Sulawesi; montane forest
<i>H. ileile</i>		Sulawesi; lowland forest

Myosciurus

M. pumilio African pygmy squirrel SE Nigeria – Gabon;
forest

Callosciurus; oriental tree squirrels; SE Asia.

C. adamsi Ear-spot squirrel N, NW Borneo
C. albiculus N Sumatra
C. baluensis Kinabalu squirrel C, N Borneo; montane
C. caniceps Grey-bellied squirrel Thailand – Malaya
 (Golden-backed squirrel)
C. erythraeus Belly-banded squirrel Sikkim – S China –
 (*flavimanus*) Malaya, Taiwan
 (*quinquestriatus*)
C. finlaysonii Finlayson's squirrel E Burma – Indochina
 (*ferrugineus*) (Variable squirrel)
C. inornatus Indochina
C. melanogaster Mentawai Is, Sumatra
C. nigrovittatus Black-banded squirrel Malaya, Sumatra, Java
C. notatus Plantain squirrel Malaya – Java, Borneo;
secondary forest
Borneo; montane
C. orestes Bornean black-banded
 (*canalvus*) squirrel
C. phayrei Burma
C. prevostii Prevost's squirrel Malaya, Sumatra, Borneo,
(Sulawesi)
C. pygerythrus Irrawaddy squirrel Nepal – Burma
C. simus Sculptor squirrel Mt Kinabalu, Borneo

Tamiops; (*Callosciurus*); Oriental striped squirrels; S China, etc.

T. mccllellandii Himalayan striped squirrel Nepal – S China – Malaya
T. maritimus S China, Indochina,
Taiwan
T. rodolphei Cambodian striped squirrel Indochina
T. swinhoei Swinhoe's striped squirrel NE China – N Vietnam

Rubrisciurus; (*Callosciurus*).

R. rubriventer Sulawesi giant squirrel Sulawesi

Sundasciurus; (*Callosciurus*); Sunda squirrels; SE Asia; forest.

S. brookei Brooke's squirrel C, N Borneo
S. hippurus Horse-tailed squirrel Malaya, Sumatra, Borneo
S. jentinki Jentink's squirrel Borneo
S. juvenus Palawan, Philippines
S. lowii Low's squirrel Malaya, Sumatra, Borneo
S. mindanensis Mindanao, Philippines
S. moellendorffi Calamian Is, Philippines
 (*albicauda*)
 (*hoogstraali*)
S. philippinensis Basilan, Mindanao etc.,
Philippines

<i>S. rabori</i>		Palawan
<i>S. samarensis</i>		Samar etc., Philippines
<i>S. steerii</i>		Palawan, Philippines
<i>S. tenuis</i>	Slender squirrel	Malaya, Sumatra, Borneo

Menetes

<i>M. berdmorei</i>	Berdmore's squirrel (Indochinese ground squirrel)	Burma – Indochina
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Rhinosciurus

<i>R. laticaudatus</i>	Shrew-faced squirrel (Long-nosed squirrel)	Malaya, Sumatra, Borneo; forest
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Lariscus

<i>L. hosei</i>	Four-striped ground squirrel	N, NW Borneo; forest
<i>L. insignis</i> (<i>niobe</i>)	Three-striped ground squirrel	Malaya – Java, Borneo; forest
<i>L. obscurus</i>	Mentawai ground squirrel	Mentawai Is, Sumatra



Three-striped ground squirrel
(*Lariscus insignis*)

Dremomys

<i>D. everetti</i>	Bornean mountain ground squirrel	N, NW Borneo; montane forest
<i>D. gularis</i>	Red-throated squirrel	Vietnam
<i>D. lokriah</i>	Orange-bellied Himalayan squirrel	Nepal – N Burma; montane forest
<i>D. pernyi</i> (<i>pyrrhomeris</i>)	Perny's long-nosed squirrel	S China – Burma, Taiwan
<i>D. rufigenis</i>	Red-cheeked squirrel	Indochina – Malaya

Sciurotamias

<i>S. davidianus</i>	Père David's rock squirrel	Hebei – Sichuan, China
<i>S. forresti</i>	Forrest's rock squirrel	Yunnan, China

Nannosciurus

<i>N. melanotis</i>	Black-eared pygmy squirrel	Sumatra, Java, Borneo
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Exilisciurus; ref. 9.3.

<i>E. concinnus</i> (<i>luncefordi</i>) (<i>samaricus</i>) (<i>surrutilus</i>)	Philippine pygmy squirrel	Mindanao etc., Philippines
<i>E. exilis</i>	Plain pygmy squirrel	Borneo; lowland forest
<i>E. whiteheadi</i>	Whitehead's pygmy squirrel	NW Borneo; montane forest

Atlantoxerus

<i>A. getulus</i>	Barbary ground squirrel	Morocco, Algeria
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Xerus; (*Euxerus*, *Geosciurus*); African ground squirrels; Africa S of Sahara; savanna, steppe; terrestrial.

<i>X. erythropus</i>	Geoffroy's ground squirrel	Morocco, Senegal – Kenya, Ethiopia
<i>X. inauris</i>	Cape ground squirrel	Africa S of Zambezi
<i>X. princeps</i>	Kaokoveld ground squirrel (Mountain ground squirrel)	S W Africa, S Angola
<i>X. rutilus</i>	Unstriped ground squirrel	Ethiopia – N Tanzania

Spermophilopsis

<i>S. leptodactylus</i>	Long-clawed ground squirrel	Russian Turkestan etc.; desert
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Marmota; marmots; Palaearctic, N America; alpine talus, grassland, (forest).

<i>M. baibacina</i>	Steppe marmot	Kazakhstan, etc.
<i>M. bobak</i>	Bobak marmot	S Russia
<i>M. broweri</i>	Alaska marmot	N Alaska; vicariant of <i>M. camtschatica</i>
<i>M. caligata</i>	Hoary marmot	Alaska – Idaho; montane
<i>M. camtschatica</i>	Black-capped marmot	NE Siberia; montane
<i>M. caudata</i>	Long-tailed marmot	Tien Shan – Kashmir; montane
<i>M. flaviventris</i>	Yellow-bellied marmot	W USA; montane
<i>M. himalayana</i>	Himalayan marmot	Himalayas
<i>M. marmota</i>	Alpine marmot	C Europe; montane
<i>M. menzbieri</i>	Menzbier's marmot	W Tien Shan; V
<i>M. monax</i>	Woodchuck	Alaska – Labrador, E USA; forest
<i>M. olympus</i>	Olympic marmot	Olympic Peninsula, Washington, USA
<i>M. sibirica</i>	Siberian marmot	SE Siberia, N Mongolia, etc.
<i>M. vancouverensis</i>	Vancouver marmot	Vancouver I, Canada; E

Cynomys; prairie dogs; C, W USA – C Mexico; grassland.

<i>C. gunnisoni</i>	Gunnison's prairie dog	Colorado – Arizona; high grassland
<i>C. leucurus</i>	White-tailed prairie dog	Wyoming, etc.
<i>C. ludovicianus</i>	Black-tailed prairie dog	C USA; grassland
<i>C. mexicanus</i>	Mexican prairie dog	C Mexico
<i>C. parvidens</i>	Utah prairie dog	Utah; V



Black-tailed prairie dog
(*Cynomys ludovicianus*)

Spermophilus; (*Callospermophilus*, *Citellus*, *Otospermophilus*); ground squirrels, sousliks; N America, N Eurasia; grassland, steppe, (open forest).

<i>S. adocetus</i>	Tropical ground squirrel	C Mexico
<i>S. alaschanicus</i>	Alashan ground squirrel	W Gansu, S Mongolia
<i>S. annulatus</i>	Ring-tailed ground squirrel	W Mexico
<i>S. armatus</i>	Uinta ground squirrel	Rocky Mts (USA)

<i>S. atricapillus</i>	Baja California rock squirrel	Baja California
<i>S. beecheyi</i>	California ground squirrel	California, W Oregon
<i>S. beldingi</i>	Belding's ground squirrel	W USA
<i>S. brunneus</i>	Idaho ground squirrel	W Idaho
<i>S. citellus</i>	European souslik	SE Europe
<i>S. columbianus</i>	Columbian ground squirrel	NW USA, SW Canada
<i>S. dauricus</i>	Daurian ground squirrel	E Mongolia, Transbaikalia, N China
<i>S. elegans</i> (<i>richardsonii</i>)		C Rockies of USA
<i>S. erythrogegnys</i> (<i>major</i>)		E Kazakhstan – Mongolia
<i>S. franklinii</i>	Franklin's ground squirrel	C USA, SC Canada; tall grass
<i>S. fulvus</i>	Large-toothed souslik	Turkestan
<i>S. lateralis</i>	Golden-mantled ground squirrel	W USA, SW Canada; montane forest, scrub
<i>S. madrensis</i>	Sierra Madre ground squirrel	Chihuahua, Mexico
<i>S. major</i>	Russet souslik	S Russia – SW Siberia
<i>S. mexicanus</i>	Mexican ground squirrel	E Mexico, Texas
<i>S. mohavensis</i>	Mohave ground squirrel	Mohave Desert, S California
<i>S. musicus</i> (<i>citellus</i>)		N Caucasus
<i>S. parryii</i>	Arctic souslik (Arctic ground squirrel)	NE Siberia; Alaska – Hudson Bay; tundra
<i>S. perotensis</i>	Perote ground squirrel	Veracruz, Mexico
<i>S. pygmaeus</i>	Little souslik	S Russia, Kazakhstan
<i>S. relictus</i>	Tien Shan souslik	Tien Shan Mts
<i>S. richardsoni</i>	Richardson's ground squirrel	NW USA, SW Canada; grassland
<i>S. saturatus</i>	Cascade golden-mantled ground squirrel	Cascade Mts, Washington, Br. Columbia
<i>S. spilosoma</i>	Spotted ground squirrel	SC USA, N Mexico
<i>S. suslikus</i>	Spotted souslik	E Europe, S Russia
<i>S. tereticaudus</i>	Round-tailed ground squirrel	SW USA, NW Mexico; desert, scrub
<i>S. townsendii</i>	Townsend's ground squirrel	W USA; steppe
<i>S. tridecemlineatus</i>	Thirteen-lined ground squirrel	C USA, SC Canada; short grass
<i>S. undulatus</i>	Long-tailed souslik	Tien Shan – R Lena
<i>S. variegatus</i>	Rock squirrel	SW USA, Mexico; dry steppe, desert
<i>S. washingtoni</i>	Washington ground squirrel	Washington, Oregon
<i>S. xanthopymnus</i> (<i>citellus</i>)		Asia Minor, etc.

Ammospermophilus; antelope-squirrels; SW USA, N Mexico; desert, steppe.

<i>A. harrisi</i>	Harris' antelope-squirrel	Arizona, N Mexico
<i>A. interpres</i>	Texas antelope-squirrel	New Mexico – N Mexico
<i>A. leucurus</i> (<i>insularis</i>)	White-tailed antelope-squirrel	SW USA
<i>A. nelsoni</i>	Nelson's antelope-squirrel	California

Tamias; (*Eutamias*); chipmunks; N America, N Eurasia.

<i>T. alpinus</i>	Alpine chipmunk	California; high montane
<i>T. amoenus</i>	Yellow-pine chipmunk	NW USA, SW Canada
<i>T. bulleri</i>	Buller's chipmunk	N Mexico
<i>T. canipes</i>	Grey-footed chipmunk	New Mexico, Texas
<i>T. cinereicollis</i>	Grey-collared chipmunk	Arizona, New Mexico; montane forest
<i>T. dorsalis</i>	Cliff chipmunk	SW USA, N Mexico; pine, juniper forest
<i>T. merriami</i>	Merriam's chipmunk	S California; scrub, forest
<i>T. minimus</i>	Least chipmunk	W USA, S, C Canada; forest, scrub
<i>T. obscurus</i> (<i>merriami</i>)	Chaparral chipmunk (California chipmunk)	S California
<i>T. palmeri</i>	Palmer's chipmunk	Nevada; montane forest
<i>T. panamintinus</i>	Panamint chipmunk	Arizona, California; scrub
<i>T. quadrimaculatus</i>	Long-eared chipmunk	California
<i>T. quadrivittatus</i>	Colorado chipmunk	SW USA; montane forest
<i>T. ruficaudus</i>	Red-tailed chipmunk	NW USA, SW Canada; montane forest
<i>T. rufus</i>		W Colorado, etc.; ref. 9.5
<i>T. sibiricus</i>	Siberian chipmunk	Siberia, W China, Hokkaido
<i>T. sonomae</i>	Sonoma chipmunk	NW California; scrub
<i>T. speciosus</i>	Lodgepole chipmunk	California
<i>T. striatus</i>	Eastern chipmunk	E USA, SE Canada; forest
<i>T. townsendii</i> (<i>ochrogenys</i>) (<i>sene.x</i>) (<i>siskiyou</i>)	Townsend's chipmunk	W coast USA; ref. 9.6
<i>T. umbrinus</i>	Uinta chipmunk	SW USA; montane forest



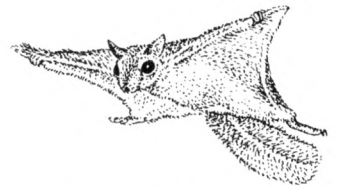
Eastern chipmunk
(*Tamias striatus*)

Subfamily Pteromyinae

Flying squirrels (gliding squirrels); c. 38 species; SE Asia, (N Eurasia, N America).

Petaurista; giant flying squirrels; E, SE Asia; forest.

<i>P. alborufus</i>	Red and white flying squirrel	S China, Taiwan
<i>P. elegans</i>	Spotted giant flying squirrel	Nepal – Java, Borneo
<i>P. leucogenys</i>	Japanese giant flying squirrel	Japan except Hokkaido



Southern flying squirrel
(*Glaucomyx volans*)

<i>P. magnificus</i>	Hodgson's flying squirrel	Nepal, Sikkim, etc.
<i>P. nobilis</i>	Bhutan flying squirrel	Nepal – Bhutan
<i>P. petaurista</i>	Red giant flying squirrel	Kashmir – Malaya – Java, Borneo
<i>P. philippensis</i> (<i>petaurista</i>)	Indian giant flying squirrel	Sri Lanka, India – S China, Taiwan
<i>P. xanthotis</i> (<i>leucogenys</i>)	Chinese giant flying squirrel	Gansu – Yunnan
<i>Biswamoyopterus</i>		
<i>B. biswasi</i>	Namdapha flying squirrel	Arunachal Pradesh, NE India; ref. 9.7
<i>Eupetaurus</i>		
<i>E. cinereus</i>	Woolly flying squirrel	Kashmir; montane coniferous forest, rocks
<i>Pteromys</i>		
<i>P. momonga</i>	Small Japanese flying squirrel	Honshu, Kyushu, Japan
<i>P. volans</i>	Siberian flying squirrel	Finland – Korea, Hokkaido; coniferous forest
<i>Glaucomys</i> ; American flying squirrels; N America; forest.		
<i>G. sabrinus</i>	Northern flying squirrel	Canada, W USA
<i>G. volans</i>	Southern flying squirrel	E USA – Honduras
<i>Aeromys</i>		
<i>A. tephromelas</i> (<i>phaeomelas</i>)	Black flying squirrel	Malaya, Sumatra, Borneo
<i>A. thomasi</i>	Thomas' flying squirrel	Borneo
<i>Hylopetes</i> ; pygmy flying squirrels; SE Asia; forest.		
<i>H. alboniger</i>	Particoloured flying squirrel	Nepal – Indochina
<i>H. baberi</i> (<i>fimbriatus</i>)		NE Afghanistan – Kashmir; montane; ref. 9.8
<i>H. fimbriatus</i>	Kashmir pygmy flying squirrel	Kashmir etc.
<i>H. electilis</i>	Hainan flying squirrel	Hainan, China; formerly in <i>Petinomys</i>
<i>H. lepidus</i>	Grey-cheeked flying squirrel	Malaya – Java, Borneo
<i>H. mindanensis</i>		Mindanao, Philippines
<i>H. nigripes</i>		Palawan, Philippines
<i>H. phayrei</i>	Phayre's flying squirrel	Burma, Thailand, Laos
<i>H. platyurus</i>	Grey-cheeked flying squirrel	Malaya – Java, Borneo
<i>H. sipora</i>		Sipora I, Mentawai Is

<i>H. spadiceus</i>	Red-cheeked flying squirrel	Burma – Malaya, Sumatra, Borneo
<i>Petinomys</i>		
<i>P. bartelsi</i>		Java
<i>P. crinitus</i>		Mindanao etc., Philippines
<i>P. fuscocapillus</i>	Travancore flying squirrel	S India, Sri Lanka
<i>P. genibarbis</i>	Whiskered flying squirrel	Malaya – Borneo
<i>P. hageni</i>		Borneo, Sumatra
<i>P. lugens</i> (<i>hageni</i>)		Mentawai Is
<i>P. setosus</i> (<i>morrissi</i>)	White-bellied flying squirrel	Burma, Malaya, Sumatra, Borneo
<i>P. vordermanni</i>	Vordermann's flying squirrel	Malaya, Borneo
<i>Aeretes</i>		
<i>A. melanopterus</i>	North Chinese flying squirrel	NE China, Sichuan
<i>Trogopterus</i>		
<i>T. xanthipes</i>	Complex-toothed flying squirrel	China
<i>Belomys</i>		
<i>B. pearsonii</i>	Hairy-footed flying squirrel	E Nepal – Indochina, Taiwan
<i>Pteromyscus</i>		
<i>P. pulverulentus</i>	Smoky flying squirrel	S Thailand – Sumatra, Borneo
<i>Petaurillus</i>; pygmy flying squirrels, SE Asia.		
<i>P. emiliae</i>		Sarawak, Borneo
<i>P. hosei</i> (<i>kinlochii</i>)		Sarawak, Borneo, Malaya
<i>Iomys</i>		
<i>I. horsfieldii</i>	Horsfield's flying squirrel	Malaya – Java, Borneo
<i>I. sipora</i>		Mentawai Is
<i>I. winstoni</i>		N Sumatra

Family Geomyidae

Pocket gophers; c. 35 species; USA (especially SW) to Colombia; forest – steppe; subterranean.

Geomys

<i>G. nariarius</i>	Desert pocket gopher	S New Mexico, etc.
<i>G. breviceps</i> (<i>bursarius</i>)	Baird's pocket gopher	Louisiana



Botta's pocket gopher
(*Thomomys bottae*)

<i>G. bursarius</i>	Plains pocket gopher	C USA
<i>G. personatus</i>	Texas pocket gopher	S Texas, NE Mexico
<i>G. pinetis</i> (<i>colonus</i>) (<i>cumberlandius</i>) (<i>fontanelus</i>)	Southeastern pocket gopher	Alabama – C Florida
<i>G. tropicalis</i> (<i>personatus</i>)	Tropical pocket gopher	S Tamaulipas, E Mexico
<i>Thomomys</i>		
<i>T. bottae</i>	Botta's pocket gopher	S USA – N Mexico
<i>T. bulbivorus</i>	Camas pocket gopher	NW Oregon
<i>T. clusius</i>		Wyoming
<i>T. idahoensis</i> (<i>talpoides</i>)	Idaho pocket gopher	Idaho, etc.
<i>T. mazama</i>	Western pocket gopher	Oregon, N California
<i>T. monticola</i>	Mountain pocket gopher	California
<i>T. talpoides</i>	Northern pocket gopher	NW USA, SW Canada
<i>T. umbrinus</i> (<i>townsendi</i>)	Southern pocket gopher	SW USA, Mexico
<i>Pappogeomys</i>; (<i>Cratogeomys</i>); Mexico, (S USA).		
<i>P. alcorni</i>	Alcorn's pocket gopher	Jalisco, Mexico
<i>P. bulleri</i>	Buller's pocket gopher	SW Mexico
<i>P. castanops</i>	Yellow-faced pocket gopher	SE Colorado – N Mexico
<i>P. fumosus</i>	Smoky pocket gopher	Colima, SW Mexico
<i>P. gymnurus</i>	Llano pocket gopher	C Mexico
<i>P. merriami</i>	Merriam's pocket gopher	C Mexico
<i>P. neglectus</i>	Queretaro pocket gopher	Queretaro, C Mexico
<i>P. tylorhinus</i>	Taylor's pocket gopher	C Mexico
<i>P. zinseri</i>	Zinser's pocket gopher	Jalisco, C Mexico
<i>Orthogeomys</i>; (<i>Heterogeomys</i>, <i>Macrogeomys</i>); Mexico – Colombia.		
<i>O. cavator</i>	Chiriqui pocket gopher	W Panama, Costa Rica
<i>O. cherriei</i>	Cherrie's pocket gopher	Costa Rica
<i>O. cuniculus</i>	Oaxacan pocket gopher	Oaxaca, Mexico
<i>O. dariensis</i>	Darien pocket gopher	E Panama – Colombia
<i>O. grandis</i>	Large pocket gopher	Honduras – Guerrero, Mexico
<i>O. heterodus</i>	Variable pocket gopher	Costa Rica
<i>O. hispidus</i>	Hispid pocket gopher	E Mexico – Guatemala
<i>O. lanius</i>	Big pocket gopher	Veracruz, Mexico
<i>O. matagalpae</i>	Nicaraguan pocket gopher	Nicaragua, Honduras
<i>O. pygacanthis</i>	El Salvador pocket gopher	El Salvador
<i>O. underwoodi</i>	Underwood's pocket gopher	Costa Rica
<i>Zygogeomys</i>		
<i>Z. trichopus</i>	Michoacan pocket gopher	Michoacan, SW Mexico

Family Heteromyidae

Pocket mice, kangaroo-rats, etc. ; c. 60 species; N, (C, S) America; desert, steppe, (forest).

Perognathus; pocket mice; Mexico, SW, (NW) USA; desert, steppe.

<i>P. alticola</i>	White-eared pocket mouse	S California; V
<i>P. amplus</i>	Arizona pocket mouse	Arizona, etc.
<i>P. anthonyi</i>	Anthony's pocket mouse	Cerros I, Baja California
<i>P. arenarius</i>	Little desert pocket mouse	Baja California
<i>P. artus</i>	Narrow-skulled pocket mouse	NW Mexico
<i>P. dalquesti</i>	Dalquest's pocket mouse	Baja California
<i>P. fasciatus</i>	Olive-backed pocket mouse	Colorado – Saskatchewan
<i>P. flavescens</i> (<i>apache</i>)	Plains pocket mouse	Arizona – N Texas – Minnesota
<i>P. flavus</i> (<i>merriami</i>)	Silky pocket mouse	W Nebraska – C Mexico
<i>P. goldmani</i>	Goldman's pocket mouse	NW Mexico
<i>P. inornatus</i>	San Joaquin pocket mouse	California; E
<i>P. lineatus</i>	Lined pocket mouse	C Mexico
<i>P. longimembris</i>	Little pocket mouse	Utah – Baja California; E
<i>P. parvus</i>	Great Basin pocket mouse	Nevada – S Br. Colombia
<i>P. pernix</i>	Sinaloan pocket mouse	NW Mexico
<i>P. xanthonotus</i>	Yellow-eared pocket mouse	C California

Chaetodipus; (*Perognathus*); spiny-rumped pocket mice.

<i>C. baileyi</i>	Bailey's pocket mouse	Baja California, Arizona, Sonora
<i>C. californicus</i>	California pocket mouse	California
<i>C. fallax</i>	San Diego pocket mouse	S California, N Baja California
<i>C. formosus</i>	Long-tailed pocket mouse	Utah – Baja California
<i>C. hispidus</i>	Hispid pocket mouse	N Dakota – C Mexico
<i>C. intermedius</i>	Rock pocket mouse	Arizona – SW Texas, N Mexico
<i>C. nelsoni</i>	Nelson's pocket mouse	N Mexico, SW Texas
<i>C. penicillatus</i>	Desert pocket mouse	S California – C Mexico
<i>C. spinatus</i>	Spiny pocket mouse	Baja California, S California

Microdipodops; kangaroo-mice; Nevada, etc; sand-steppes.

<i>M. megacephalus</i>	Dark kangaroo-mouse	Nevada, etc.
<i>M. pallidus</i>	Pale kangaroo-mouse	SW Nevada

Dipodomys; kangaroo-rats; SW USA – Mexico; desert, steppe.

<i>D. agilis</i> (<i>paralius</i>) (<i>peninsularis</i>)	Agile kangaroo-rat (Pacific kangaroo-rat)	C California – Baja California
<i>D. californicus</i>	Californian kangaroo-rat	N California, S Oregon



Desert pocket mouse
(*Chaetodipus penicillatus*)

<i>D. compactus</i>	Gulf coast kangaroo-rat	S Texas, NE Mexico
<i>D. deserti</i>	Desert kangaroo-rat	Nevada – NW Mexico
<i>D. elator</i>	Texas kangaroo-rat	N Texas; R
<i>D. elephantinus</i>	Big-eared kangaroo-rat	WC California
<i>D. gravipes</i>	San Quintin kangaroo-rat	NW Baja California; E
<i>D. heermanni</i>	Heermann's kangaroo-rat	California; (E)
<i>D. ingens</i>	Giant kangaroo-rat	S California; I
<i>D. insularis</i>	San Jose kangaroo-rat	San Jose I, Baja California
<i>D. margaritae</i> (<i>merriami</i>)	Santa Margarita kangaroo-rat	Santa Margarita I, Baja California
<i>D. merriami</i>	Merriam's kangaroo-rat	Nevada – C Mexico
<i>D. microps</i>	Chisel-toothed kangaroo- rat	Nevada, etc.
<i>D. nelsoni</i>	Nelson's kangaroo-rat	NC Mexico; close to <i>D. spectabilis</i>
<i>D. nitratooides</i>	Fresno kangaroo-rat	C California; E
<i>D. ordii</i>	Ord's kangaroo-rat	W USA, NE Mexico
<i>D. panamintinus</i>	Panamint kangaroo-rat	California, SW Nevada; montane
<i>D. phillipsi</i> (<i>ornatus</i>)	Phillips' kangaroo-rat	C Mexico
<i>D. spectabilis</i>	Banner-tailed kangaroo-rat	New Mexico – C Mexico
<i>D. stephensi</i>	Stephens' kangaroo-rat	S California; I
<i>D. venustus</i>	Narrow-faced kangaroo-rat	WC California

Liomys; spiny pocket-mice; Mexico – Panama; arid scrub, steppe.

<i>L. adspersus</i>	Panamanian spiny pocket mouse	C Panama
<i>L. irroratus</i>	Mexican spiny pocket mouse	S Texas – S Mexico
<i>L. pictus</i> (<i>annectens</i>)	Painted spiny pocket mouse	W, S Mexico
<i>L. salvini</i> (<i>crispus</i>)	Salvin's spiny pocket mouse	S Mexico – Costa Rica
<i>L. spectabilis</i>	Jaliscan spiny pocket mouse	Jalisco, WC Mexico

Heteromys; forest spiny pocket mice; S Mexico – Ecuador; forest.

<i>H. anomalus</i>	Trinidad spiny pocket mouse	Colombia, Venezuela, Trinidad
<i>H. australis</i>	Southern spiny pocket mouse	E Panama – Ecuador
<i>H. desmarestianus</i> (<i>lepturus</i>) (<i>longicaudatus</i>) (<i>nigricaudatus</i>) (<i>temporalis</i>)	Desmarest's spiny pocket mouse	S Mexico – Colombia; ref. 9.9
<i>H. gaumeri</i>	Gaumer's spiny pocket mouse	Yucatan, Mexico

<i>H. goldmani</i>	Goldman's spiny pocket mouse	Guatemala, Chiapas
<i>H. nelsoni</i>	Nelson's spiny pocket mouse	Chiapas, S Mexico
<i>H. oresterus</i>	Mountain spiny pocket mouse	Costa Rica

Family Castoridae

Castor; beavers; 2 species; freshwater in deciduous forest.

<i>C. canadensis</i>	American beaver	N America, [Finland, Tierra del Fuego]
<i>C. fiber</i> (<i>albicus</i>)	Eurasian beaver	Europe – Altai



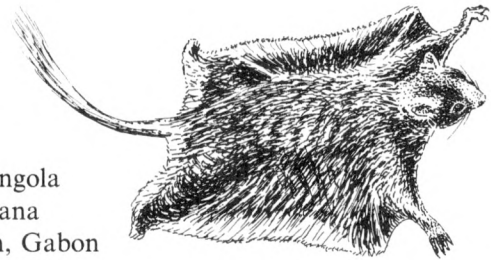
American beaver
(*Castor canadensis*)

Family Anomaluridae

Scaly-tailed squirrels; 7 species; W, C Africa; forest; arboreal.

Anomalurus; (*Anomalurops*); large scaly-tailed squirrels; W, C Africa.

<i>A. beecrofti</i>	Beecroft's flying squirrel	W Africa – Zaire
<i>A. derbianus</i>	Lord Derby's flying squirrel	Sierra Leone – Mozambique, Angola
<i>A. pelii</i>	Pel's flying squirrel	Sierra Leone – Ghana
<i>A. pusillus</i>	Little flying squirrel	Zaire, S Cameroun, Gabon



Beecroft's flying squirrel
(*Anomalurus beecrofti*)

Idiurus; pygmy scaly-tailed squirrels; W, C Africa.

<i>I. macrotis</i>	Long-eared flying squirrel	W Africa – Zaire
<i>I. zenkeri</i>	Zenker's flying squirrel	Cameroun, Zaire

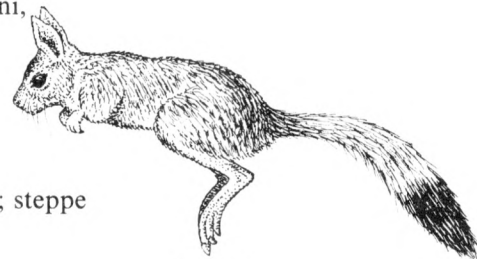
Zenkerella

<i>Z. insignis</i>	Flightless scaly-tailed squirrel	Cameroun, Rio Muni, ? Gabon; forest
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Family Pedetidae

Pedetes

<i>P. capensis</i>	Spring hare (Springhaas)	S Africa – S Kenya; steppe
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Spring hare
(*Pedetes capensis*)

Family Muridae

Mice, rats, voles, gerbils, hamsters, etc.; *c.* 1160 species; worldwide in all terrestrial (and freshwater) habitats; feed mainly on seeds, also grass, insects, etc.; classification very provisional – the groups recognized here as subfamilies are often treated as independent families, especially the Cricetidae and Spalacidae.

Subfamily Hesperomyinae

New-world mice and rats; *c.* 372 species; N, C, S America; desert – forest; classification of many Central and South American representatives very provisional.



Marsh rice rat
(*Oryzomys palustris*)

Oryzomys; (*Melanomys*, *Nectomys*, *Nesoryzomys*, *Oecomys*, *Oligoryzomys*, *Sigmodontomys*); rice rats; S USA – Tierra del Fuego; grassland, marshes, scrub, (forest).

<i>O. albigularis</i> (<i>devius</i>) (<i>pirrensis</i>)	Tomes' rice rat	Bolivia – Costa Rica; montane
<i>O. alfari</i> (<i>russulus</i>)	Alfaro's water rat	Honduras – Venezuela, Ecuador
<i>O. alfaroii</i>	Alfaro's rice rat	C Mexico – Ecuador
<i>O. altissimus</i>		Peru, Ecuador; montane
<i>O. andinus</i>		N Peru
<i>O. aphantus</i>	Harris's rice rat	Costa Rica
<i>O. arenalis</i>		NE Peru
<i>O. auriventer</i>		Peru, Ecuador
<i>O. balneator</i>		Ecuador, E of Andes
<i>O. bauri</i>		Sante Fe I, Galapagos; (in <i>O. galapagoensis</i> ?)
<i>O. bicolor</i> (<i>endersi</i>) (<i>phaeotis</i>) (<i>trabeatus</i>)		Bolivia, Amazon Basin – Panama; forest
<i>O. bombycinus</i>	Silky rice rat (Long-whiskered rice rat)	Nicaragua – N Ecuador
<i>O. buccinatus</i>		Paraguay, N Argentina
<i>O. caliginosus</i>	Dusky rice rat	Honduras – Ecuador
<i>O. capito</i>		Brazil, N Argentina – Venezuela
<i>O. caudatus</i>		Oaxaca, S Mexico
<i>O. chacoensis</i>		C Brazil – Argentina; ref. 9.81
<i>O. cleberi</i>		C Brazil; close to <i>O. bicolor</i> ; ref. 9.10
<i>O. concolor</i> (<i>trinitatis</i>)		N Argentina, Bolivia – Costa Rica
<i>O. couesi</i> (<i>cozumelae</i>) (<i>palustris</i>) (<i>gatunensis</i>) (? <i>peninsulae</i>)		NW Colombia – Texas; Jamaica; ref. 9.83
<i>O. delicatus</i> (<i>microtis</i>)		Colombia – Guyana, N Brazil
<i>O. delticola</i>		NE Argentina, Uruguay
<i>O. dimidiatus</i>	Thomas's water rat	Nicaragua
<i>O. flavescens</i>		S Brazil – N Argentina
<i>O. fulgens</i>	Thomas's rice rat	C Mexico
<i>O. fulvescens</i>	Pygmy rice rat	C Mexico – Venezuela
<i>O. galapagoensis</i> †		San Cristobal I, Galapagos; probably extinct
<i>O. gorgasi</i>		NW Colombia; forest
<i>O. hammondi</i>		NW Ecuador

<i>O. intectus</i>		Colombia; montane
<i>O. kelloggi</i>		SE Brazil
<i>O. lamia</i>		SE Brazil
<i>O. longicaudatus</i>		Tierra del Fuego – Peru
<i>O. macconnelli</i>		Surinam – Ecuador
<i>O. melanostoma</i>		E Peru
<i>O. melanotis</i>	Black-eared rice rat	Mexico, El Salvador
<i>O. microtis</i>		Bolivia, N Argentina;
(<i>fornesi</i>)		ref. 9.19
(? <i>chaparensis</i>)		
<i>O. minutus</i>		Peru – Colombia; montane
<i>O. munchiquensis</i>		W Colombia
<i>O. nelsoni</i>	Nelson's rice rat	Maria Madre I, W Mexico
<i>O. nigripes</i>		E Brazil – Argentina
<i>O. nitidus</i>		Ecuador – N Argentina
<i>O. palustris</i>	Marsh rice rat	SE USA; marshes;
(<i>argentatus</i>)		ref. 9.11; (I)
<i>O. polius</i>		N Peru
<i>O. ratticeps</i>		SE Brazil, Paraguay, N Argentina
<i>O. rivularis</i>		NW Ecuador
(<i>couesi</i>)		
<i>O. robustulus</i>		E Ecuador
<i>O. spodiurus</i>		Ecuador
<i>O. subflavus</i>		E Brazil, Guianas
<i>O. talamancae</i>		Costa Rica – Ecuador;
(<i>capito</i>)		ref. 9.85
<i>O. utiaritensis</i>		C Brazil
<i>O. victus</i> †	St Vincent rice rat	St Vincent I, W Indies; extinct
<i>O. xantheolus</i>		Peru
<i>O. yunganus</i>		Bolivia, Peru, Venezuela; ref. 9.120
<i>O. zunigae</i>		Peru; coastal

Nesoryzomys; (*Oryzomys*); Galapagos mice; Galapagos Islands.

<i>N. darwini</i> †		Santa Cruz Is.; probably extinct
<i>N. fernandinae</i>		Fernandina Is.; ref. 9.12
<i>N. indeffesus</i> †		Santa Cruz Is.; probably extinct
<i>N. narboroughi</i>		Fernandina Is.
<i>N. swarthi</i> †		James Is.; probably extinct

Megalomys †; giant rice rats; Lesser Antilles; extinct.

<i>M. desmarestii</i> †	Antillean giant rice rat	Martinique, Lesser Antilles; extinct
<i>M. luciae</i> †	Santa Lucia giant rice rat	Santa Lucia, Lesser Antilles; extinct

Wiedomys; (*Oryzomys*, *Thomasomys*).

W. pyrrhorhinos Red-nosed mouse E Brazil; scrub

Neacomys; bristly mice (spiny rice rats); northern S America; forest.

N. guianae Surinam – S Venezuela

N. spinosus SW Brazil – Peru –
Colombia

N. tenuipes E Panama – Ecuador,
(*pictus*) Venezuela
(*pusillus*)

Scolomys

S. melanops Ecuador spiny mouse Ecuador

Nectomys; classification provisional – *N. squamipes* is probably composite.

N. parvipes French Guiana

N. squamipes South American water rat S America N of Paraguay
& S Brazil

Rhipidomys; American climbing mice; S America; forest.

R. latimanus Colombia, Venezuela,
(*fulviventris*) Ecuador
(*venustus*)

R. leucodactylus N Argentina – Venezuela

R. macconnelli SE Venezuela, etc.

R. maculipes E Brazil

R. mastacalis N Brazil, Venezuela,
(*venezuelae*) Guianas

R. scandens Mt Pirri climbing mouse E Panama

R. sclateri Venezuela, Guyana,
Trinidad

Thomasomys; (*Wilfredomys*); S America; forest.

T. aureus Peru – Colombia; montane

T. baeops W Ecuador

T. bombycinus Colombia; montane

T. cinereiventris Colombia, Ecuador;
montane

T. cinereus S Ecuador, N Peru

T. daphne Bolivia, S Peru

T. dorsalis E Brazil

T. gracilis Ecuador, Peru

T. hylophilus NE Colombia,
W Venezuela

T. incanus Peru

T. ischyurus E Peru, E Ecuador

T. kalinowskii Peru

T. ladewi NW Bolivia; montane

T. laniger W Venezuela, Colombia

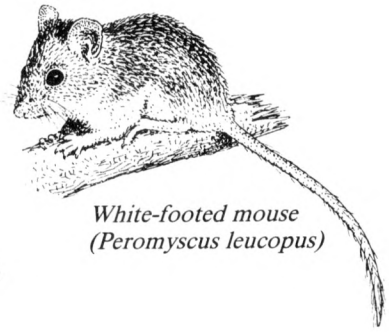


South American water rat
(*Nectomys squamipes*)

<i>T. monochromus</i> (<i>laniger</i>)		NE Colombia
<i>T. notatus</i>		SE Peru; montane
<i>T. oenax</i>		S, E Brazil, Uruguay
<i>T. oreas</i>		Bolivia; montane
<i>T. paramorum</i>		Ecuador; montane
<i>T. pictipes</i>		NE Argentina; S Brazil
<i>T. pyrrhonotus</i>		S Ecuador, N Peru
<i>T. rhoadsi</i>		Ecuador
<i>T. rosalinga</i>		N Peru
<i>T. taczanowskii</i>		N Peru
<i>T. vestitus</i>		W Venezuela
<i>Aepeomys</i> ; (<i>Thomasomys</i>); N Andes.		
<i>A. fuscatus</i> (<i>lugens</i>)		Colombia
<i>A. lugens</i>		Venezuela – Ecuador
<i>Phaenomys</i>		
<i>P. ferrugineus</i>	Rio rice rat	E Brazil
<i>Chilomys</i>		
<i>C. instans</i>	Colombian forest mouse	Ecuador – Venezuela; montane forest
<i>Tylomys</i> ; American climbing rats; S Mexico – Ecuador; forest.		
<i>T. bullaris</i>	Chiapan climbing rat	Chiapas, S Mexico
<i>T. fulviventris</i> (<i>mirae</i>)	Fulvous-bellied climbing rat	Panama
<i>T. mirae</i>		Colombia, N Ecuador
<i>T. nudicaudus</i> (<i>gymnurus</i>)	Naked-tailed climbing rat	S Mexico – Nicaragua
<i>T. panamensis</i>	Panama climbing rat	E Panama
<i>T. tumbalensis</i>	Tumbala climbing rat	Chiapas, S Mexico
<i>T. watsoni</i>	Watson's climbing rat	Costa Rica, Panama
<i>Ototylomys</i>		
<i>O. phyllotis</i>	Big-eared climbing rat	S Mexico – Costa Rica
<i>Nyctomys</i>		
<i>N. sumichrasti</i>	Sumichrast's vesper rat	S Mexico – Panama; forest
<i>Otonyctomys</i>		
<i>O. hatti</i>	Yucatan vesper rat	Yucatan, Belize, N Guatemala; forest
<i>Rhagomys</i>		
<i>R. rufescens</i>		E Brazil; forest
<i>Reithrodontomys</i> ; American harvest mice; N, C, (S) America; grassland, forest.		
<i>R. brevirostris</i>	Short-nosed harvest mouse	Costa Rica, Nicaragua

<i>R. burti</i>	Sonoran harvest mouse	NW Mexico
<i>R. chrysopsis</i>	Volcano harvest mouse	C Mexico
<i>R. creper</i>	Chiriqui harvest mouse	Costa Rica, W Panama; forest, terrestrial
<i>R. darienensis</i>	Darien harvest mouse	E Panama; forest, arboreal
<i>R. fulvescens</i>	Fulvous harvest mouse	S USA – Nicaragua
<i>R. gracilis</i>	Slender harvest mouse	S Mexico – Costa Rica
<i>R. hirsutus</i>	Hairy harvest mouse	WC Mexico
<i>R. humulis</i>	Eastern harvest mouse	SE USA
<i>R. megalotis</i>	Western harvest mouse	SW Canada – S Mexico; (V)
<i>R. mexicanus</i>	Mexican harvest mouse	C Mexico – Ecuador
<i>R. microdon</i>	Small-toothed harvest mouse	S Mexico – Guatemala
<i>R. montanus</i>	Plains harvest mouse	SC USA, NC Mexico
<i>R. paradoxus</i>		Nicaragua, Costa Rica
<i>R. raviventris</i>	Saltmarsh harvest mouse	San Francisco Bay; E
<i>R. rodriguezii</i>	Rodriguez's harvest mouse	Costa Rica
<i>R. spectabilis</i>	Cozumel harvest mouse	Cozumel I, Mexico
<i>R. sumichrasti</i>	Sumichrast's harvest mouse	C Mexico – Panama
<i>R. tenuirostris</i>	Narrow-nosed harvest mouse	Guatemala; montane
<i>Peromyscus</i> ; deer mice, etc.; N, C America; forest – desert.		
<i>P. attwateri</i>	Texas mouse	Texas, Oklahoma, etc.; forest, rocks
<i>P. aztecus</i> (<i>oaxacensis</i>)	Aztec mouse	C Mexico – Honduras; wet forest
<i>P. boylii</i>	Brush mouse	C, SW USA – Honduras
<i>P. bullatus</i>	Perote mouse	Veracruz, Mexico
<i>P. californicus</i>	California mouse	C, S California; scrub
<i>P. caniceps</i>	Burt's deer mouse	Monserate I, Baja California
<i>P. crinitus</i>	Canyon mouse	Oregon – Colorado – NW Mexico; desert
<i>P. dickeyi</i>	Dickey's deer mouse	Tortuga I, Baja California
<i>P. difficilis</i> (<i>nasutus</i>)	Zacatecan deer mouse	Colorado – S Mexico; arid, rocky hills
<i>P. eremicus</i> (<i>collatus</i>)	Cactus mouse	Nevada – N Mexico
<i>P. eva</i>		Baja California
<i>P. fuvvus</i> (<i>latirostris</i>)	Blackish deer mouse	E Mexico; wet forest
<i>P. gossypinus</i>	Cotton mouse	SE USA; forest, swamps
<i>P. grandis</i>	Big deer mouse	Guatemala; montane forest
<i>P. gratus</i>		C Mexico
<i>P. guardia</i>	Angel Island mouse	Angel de la Guarda I, Baja California
<i>P. guatemalensis</i> (<i>altilaneus</i>)	Guatemalan deer mouse	S Mexico – Guatemala; montane forest

<i>P. gymnotis</i> (<i>allophylus</i>)		SE Mexico, Guatemala
<i>P. hooperi</i>	Hooper's mouse	Coahuila, N Mexico; ref. 9.13
<i>P. interparietalis</i>	San Lorenzo mouse	San Lorenzo Is, Baja California
<i>P. leucopus</i>	White-footed mouse	E, C USA – S Mexico; forest, scrub
<i>P. madrensis</i>	Tres Marias Island mouse	Tres Marias Is, W Mexico
<i>P. maniculatus</i>	Deer mouse	Labrador – Yukon – S Mexico
<i>P. mayensis</i>	Maya mouse	Guatemala; montane forest
<i>P. megalops</i>	Brown deer mouse	S Mexico; montane forest
<i>P. mekisturus</i>	Puebla deer mouse	Puebla, C Mexico; montane
<i>P. melanocarpus</i>	Zempoaltepec deer mouse	S Mexico; montane forest
<i>P. melanophrys</i>	Plateau mouse	C, S Mexico; steppe, desert
<i>P. melanotis</i>	Black-eared mouse	N, C Mexico; sibling of <i>P. maniculatus</i>
<i>P. melanurus</i> (<i>megalops</i>)	Black-tailed mouse	S Mexico
<i>P. merriami</i>	Merriam's mouse	NW Mexico, S Arizona; desert
<i>P. mexicanus</i> (<i>nudipes</i>)	Mexican deer mouse	E Mexico – W Panama; forest, scrub
<i>P. ochraventer</i>	El Carrizo deer mouse	NE Mexico; wet forest
<i>P. oreas</i> (<i>maniculatus</i>)		Washington – British Columbia
<i>P. pectoralis</i>	White-ankled mouse	Texas, N, C Mexico; desert, scrub
<i>P. pembertoni</i>	Pemberton's deer mouse	San Pedro Nolasco I, NW Mexico
<i>P. perfulvus</i>	Marsh mouse	WC Mexico
<i>P. polionotus</i>	Oldfield mouse	SE USA
<i>P. polius</i>	Chihuahuan mouse	Chihuahua, Mexico
<i>P. pseudocrinitus</i>	False canyon mouse	Coronados I, Baja California
<i>P. sejugis</i>	Santa Cruz mouse	Santa Cruz & San Diego Is, Baja California
<i>P. simulus</i>		NW Mexico
<i>P. sitkensis</i>	Sitka mouse	Alexander & Queen Charlotte Is, Alaska, W Canada
<i>P. slevini</i>	Slevin's mouse	Santa Catalina I, Baja California
<i>P. spicilegus</i> (<i>boyliei</i>)		C Mexico



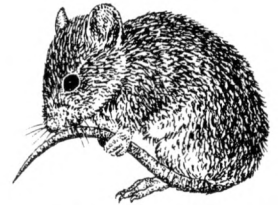
White-footed mouse
(*Peromyscus leucopus*)



Golden mouse
(*Ochrotomys nuttalli*)

<i>P. stephani</i>	San Esteban Island mouse	San Esteban I, Baja California
<i>P. stirtoni</i>	Stirton's deer mouse	Honduras, El Salvador, Guatemala; montane
<i>P. truei</i> (<i>comanche</i>)	Pinyon mouse	SW USA – S Mexico; scrub, steppe
<i>P. winkelmanni</i>	Winkelmann's mouse	Michoacan, W Mexico; montane
<i>P. yucatanicus</i>	Yucatan deer mouse	Yucatan, Mexico; forest
<i>P. zarhynchus</i>	Chiapan deer mouse	SE Mexico; montane forest
Habromys ; (<i>Peromyscus</i>).		
<i>H. chinanteco</i>		Oaxaco, Mexico
<i>H. lepturus</i> (<i>ixtlani</i>)		Oaxaco, Mexico; montane forest
<i>H. lophurus</i>	Crested-tailed mouse	SE Mexico – El Salvador; montane
<i>H. simulatus</i>	Jico deer mouse	NW Mexico; forest
Isthmomys ; (<i>Peromyscus</i>); Panama, etc.; montane.		
<i>I. flavidus</i>	Yellow deer mouse	W Panama
<i>I. pirrensis</i> (<i>flavidus</i>)	Mount Pirri deer mouse	E Panama – NE Colombia
Megadontomys ; (<i>Peromyscus</i>).		
<i>M. thomasi</i>	Thomas's deer mouse	S Mexico; montane forest
Osgoodomys ; (<i>Peromyscus</i>).		
<i>O. banderanus</i>	Michoacan deer mouse	SW Mexico; dry forest
Podomys ; (<i>Peromyscus</i>).		
<i>P. floridanus</i>	Florida mouse	Florida
Ochrotomys		
<i>O. nuttalli</i>	Golden mouse	SE USA; forest
Baiomys ; American pygmy mice; C, (N) America; grassland.		
<i>B. musculus</i>	Southern pygmy mouse	S Mexico – Nicaragua
<i>B. taylori</i>	Northern pygmy mouse	Texas, Arizona – C Mexico
Onychomys ; grasshopper mice; W North America; scrub, steppe.		
<i>O. arenicola</i>		New Mexico, N Mexico
<i>O. leucogaster</i>	Northern grasshopper mouse	SW Canada – N Mexico
<i>O. torridus</i>	Southern grasshopper mouse	SW USA – C Mexico
Akodon ; (<i>Abrothrix</i> , <i>Chroeomys</i> , <i>Hypsimys</i> , <i>Thaptomys</i>); South American field mice; S America; grassland, forest; classification very provisional; refs. 9.128, 129, 130		
<i>A. aerosus</i> (<i>urichi</i>)		Peru — Bolivia

<i>A. affinis</i>	Colombia
<i>A. albiventer</i>	Peru — N Argentina
<i>A. andinus</i>	C Chile — Peru; montane
<i>A. azarae</i>	NE Argentina — Bolivia — SE Brazil
<i>A. boliviensis</i>	S Peru — NW Argentina
<i>A. budini</i>	NW Argentina; montane
<i>A. caenosus</i>	NW Argentina, S Bolivia
<i>A. cursor</i>	Uruguay, Paraguay, SE Brazil
<i>A. dayi</i>	Bolivia
<i>A. dolores</i>	Sierra de Cordoba, C Argentina
<i>A. fumeus</i>	Bolivia, S Peru
<i>A. hershkovitzi</i>	Islands W of Tierra del Fuego; ref. 9.14
<i>A. illutens</i>	NW Argentina
<i>A. iniscatus</i>	SC Argentina
<i>A. jelskii</i>	NW Argentina — C Peru; montane
<i>A. kempfi</i>	Islands in Parana Estuary
<i>A. kofordi</i>	Peru; montane; ref. 9.130
<i>A. lanosus</i>	Patagonia
<i>A. llanoi</i>	I de los Estados, Tierra del Fuego; ref. 9.15
<i>A. longipilis</i>	Chile, W, C Argentina
<i>A. mansoensis</i>	Rio Negro, C Argentina; ref. 9.16
<i>A. markhami</i>	Wellington I, S Chile
<i>A. molinae</i>	E Argentina
<i>A. mollis</i>	Ecuador — Peru
<i>A. neocenus</i>	C & S Argentina
<i>A. nigrita</i>	E, S Brazil, N Argentina
<i>A. nucus</i>	SC Argentina
<i>A. olivaceus</i>	Chile, W Argentina
<i>A. orophilus</i>	Peru
<i>A. pacificus</i>	W Bolivia; montane
<i>A. pervalens</i>	Bolivia
<i>A. puer</i>	Bolivia, Peru; montane
<i>A. reinhardtii</i> (<i>lasiotis</i>)	E Brazil
<i>A. sanborni</i> (<i>longipilis</i>)	Argentina, S Chile
<i>A. serrensis</i>	E, SE Brazil, N Argentina
<i>A. siberiae</i>	Bolivia; montane; ref. 9.129
<i>A. simulator</i>	Bolivia, Argentina
<i>A. subfuscus</i>	Peru — N Argentina



South american field mouse
(*Akodon olivaceus*)

- A. surdus* SE Peru
A. sylvanus Argentina
A. toba W Paragua, E Bolivia,
 NW Argentina
A. tucumanensis Peru — N Argentina
A. urichi Peru — Venezuela,
 Trinidad; montane
A. varius Bolivia
A. xanthorhinus Patagonia, Tierra del Fuego
- Bolomys***; (*Akodon*, *Cabreramys*; *Thalpomys*); Peru – N Argentina; montane; ref. 9.79.
B. amoenus SE Peru; montane
B. lactens NW Argentina; montane
B. lasiurus S, E Brazil
 (*lasiotis*)
 (*arviculoides*)
B. lenguarum Bolivia – Argentina
 (*tapirapoanus*)
B. obscurus Uruguay – C Argentina
B. temchuki NE Argentina
- Microxus***; (*Akodon*).
M. bogotensis Colombia, Venezuela
M. latebricola Ecuador; montane
M. mimus SE Peru; montane
- Zygodontomys***; cane mice; C, S America; savanna.
Z. borreiroi N Colombia
Z. brevicauda Costa Rica – Ecuador,
 (*cherriei*)
 (*reigi*)
 Surinam, Trinidad
- Podoxymys***
P. roraimae Roraima mouse Guyana, etc.
- Lenoxus***
L. apicalis Peruvian rat Peru, Bolivia; montane
 forest
- Oxymycterus***; (*Akodon*); burrowing mice; S America S of Amazon; forest,
 cultivation.
O. akodontius NW Argentina
O. angularis E Brazil
O. delator Paraguay
O. hiska Peru; ref. 9.88
O. hispidus NE Argentina – E Brazil
O. hucucha Bolivia; ref. 9.88
O. iheringi S Brazil, N Argentina
O. inca W Bolivia – C Peru

<i>O. paramensis</i>		SE Peru – N Argentina
<i>O. roberti</i>		E Brazil
<i>O. rufus</i> (<i>rutilans</i>)		C, E Brazil – NE Argentina
Juscelinomys		
<i>J. candango</i>		Brasilia, Brazil
Blarinomys		
<i>B. breviceps</i>	Brazilian shrew-mouse	SE Brazil; montane forest
Notiomys		
<i>N. edwardsii</i>		S Argentina
Geoxus ; (<i>Notiomys</i>); ; predator; ref. 9.18.		
<i>G. valdivianus</i>		Chile, S Argentina
Chelemys ; (<i>Notiomys</i>); ref. 9.18.		
<i>C. macronyx</i>		S Argentina, Chile
<i>C. megalonyx</i> (<i>delfini</i>)		C Chile – Patagonia
Kunsia ; (<i>Scapteromys</i>).		
<i>K. fronto</i>		SE Brazil, Paraguay, N Argentina
<i>K. tomentosus</i>		S Brazil, Bolivia; savanna, subterranean
Scapteromys		
<i>S. tumidus</i>		Uruguay, NE Argentina, etc.; swamps
Bibimys ; (<i>Akodon</i> , <i>Scapteromys</i>); ref. 9.17.		
<i>B. chacoensis</i>		N, C Argentina
<i>B. labiosus</i>		SE Brazil
<i>B. torresi</i>		Parana delta, NE Argentina
Scotinomys ; brown mice; central America; montane.		
<i>S. teguina</i>	Alston's brown mouse	S Mexico – W Panama; montane forest
<i>S. xerampelinus</i>	Chiriqui brown mouse	Costa Rica, W Panama; montane forest, grass
Calomys ; (<i>Baiomys</i> , <i>Hesperomys</i>); vesper mice; southern S America; grassland, scrub; ref. 9.86.		
<i>C. callidus</i>		NE Argentina, S Paraguay
<i>C. callosus</i>		S Brazil – Bolivia – N Argentina; scrub
<i>C. fecundus</i>		Bolivia
<i>C. hummelincki</i>		Venezuela

<i>C. laucha</i>	C Argentina – Uruguay; grassland, scrub
<i>C. lepidus</i>	Peru, Bolivia, etc.; montane
<i>C. musculus</i>	C Argentina – Paraguay
<i>C. sorellus</i>	Peru; montane

Eligmodontia; highland desert mice; Chile, etc.; arid scrub.

<i>E. typus</i> (<i>hypogaeus</i>) (<i>puerulus</i>)	S Peru – S Patagonia
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Graomys; (*Phyllotis*).

<i>G. domorum</i>	N Argentina, Bolivia; montane
<i>G. edithae</i>	N Argentina
<i>G. griseoflavus</i>	S Argentina – Paraguay, Bolivia

Andalgalomys; (*Graomys*); ref. 9.77.

<i>A. olrogi</i>	NW Argentina; steppe
<i>A. pearsoni</i>	Paraguay – S Bolivia; grassland

Pseudoryzomys; (*Oryzomys*).

<i>P. simplex</i>	E Brazil
<i>P. wavrini</i>	Paraguay, N Argentina, Bolivia; marsh

Phyllotis; (*Galenomys*, *Paralomys*); leaf-eared mice; S America.

<i>P. amicus</i>	N Peru
<i>P. andium</i>	Peru, Ecuador; forest
<i>P. bonaeriensis</i> (<i>darwini</i>)	EC Argentina
<i>P. caprinus</i>	NW Argentina, S Bolivia, E of Andes; scrub
<i>P. darwini</i>	Patagonia – W Peru
<i>P. definitus</i>	Peru, W of Andes; forest
<i>P. garleppi</i>	Bolivia, S Peru
<i>P. gerbillus</i>	NW Peru; desert
<i>P. haggardi</i>	Ecuador
<i>P. magister</i>	SW Peru, N Chile; forest
<i>P. osilae</i>	S Peru – N Argentina; montane grassland
<i>P. wolffsohni</i>	W Bolivia

Auliscomys; (*Phyllotis*); Andes; montane steppe.

<i>A. boliviensis</i>	S Peru – N Chile
<i>A. micropus</i>	Patagonia
<i>A. pictus</i>	Peru, W Bolivia
<i>A. sublimus</i>	NW Argentina – S Peru



Leaf-eared mouse
(*Phyllotis*)

Irenomys

I. tarsalis Chilean rat S Chile, S Argentina

Chinchillula

C. sahamae Chinchilla mouse NW Argentina – Peru

Punomys

P. lemminus Puna mouse Peru; high montane steppe

Neotomys

N. ebriosus Andean swamp rat Peru – NW Argentina;
montane

Reithrodon

R. physodes Pampas gerbil Uruguay – Tierra del
(*typicus*) (Rabbit rat) Fuego; grassland

Euneomys; (*Chelemyscus*); Patagonian chinchilla-mice; Argentina, Chile; scrub, forest; ref. 9.89.

E. chinchilloides Chile, W Argentina, Tierra
(*petersoni*) del Fuego
(*mordax*)

Holochilus; marsh rats; S America; marshes.

H. brasiliensis E Brazil – C Argentina
H. chacarius Paraguay, NE Argentina
H. magnus SE Brazil – NE Argentina
H. sciureus C Brazil – Colombia –
(*brasiliensis*) Guianas

Sigmodon; cotton rats; S USA – Guyana; grassland, scrub.

S. alleni Brown cotton rat W, S Mexico
(*planifrons*)
(*vulcani*)
S. alstoni Venezuela – Surinam
S. arizonae Arizona, NW Mexico; E
S. fulviventer Tawny-bellied cotton rat SW Mexico – New Mexico
S. hispidus Hispid cotton rat S USA – Peru
S. leucotis White-eared cotton rat C Mexico; montane
(*alticola*)
S. mascotensis SW Mexico
S. ochrognathus Yellow-nosed cotton rat NC Mexico, S USA

Andinomys

A. edax Andean mouse Peru – NW Argentina,
N Chile

Neotomodon

N. alstoni Volcano mouse C Mexico; montane



Bushy-tailed wood rat
(*Neotoma cinerea*)

Neotoma; woodrats; N, C America; desert – forest, especially rocky.

<i>N. albigula</i> (<i>latifrons</i>) (<i>montezumae</i>)	White-throated woodrat	SW USA, C Mexico
<i>N. angustipalata</i>	Tamaulipan woodrat	NE Mexico
<i>N. anthonyi</i>	Anthony's woodrat	Todos Santos I, Baja California
<i>N. bryanti</i>	Bryant's woodrat	Cerros I, Baja California
<i>N. bunkerii</i>	Bunker's woodrat	Coronados I, Baja California
<i>N. chrysomelas</i>	Nicaraguan woodrat	Nicaragua, Honduras; (in <i>N. mexicana</i> ?)
<i>N. cinerea</i>	Bushy-tailed woodrat	S Yukon – Arizona
<i>N. floridana</i>	Eastern woodrat	SE USA; forest
<i>N. fuscipes</i>	Dusky-footed woodrat	Oregon – N Baja California; V
<i>N. goldmani</i>	Goldman's woodrat	NC Mexico
<i>N. lepida</i> (<i>devia</i>)	Desert woodrat	SW USA, Baja California; desert
<i>N. martinensis</i>	San Martin woodrat	San Martin I, Baja California
<i>N. mexicana</i>	Mexican woodrat	Colorado – Honduras
<i>N. micropus</i>	Southern plains woodrat	NE Mexico, W Texas, New Mexico, etc.
<i>N. nelsoni</i>	Nelson's woodrat	Veracruz, EC Mexico
<i>N. palatina</i>	Bolaños woodrat	Jalisco, W Mexico
<i>N. phenax</i>	Sonoran woodrat	NW Mexico; dry forest
<i>N. stephensi</i>	Stephen's woodrat	Arizona, W New Mexico
<i>N. varia</i>	Turner Island woodrat	Turner I, Gulf of California

Hodomys; (*Neotoma*).

<i>H. alleni</i>	Allen's woodrat	W, S Mexico; scrub
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Nelsonia

<i>N. neotomodon</i>	Diminutive woodrat	WC Mexico; rocky forest
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Xenomys

<i>X. nelsoni</i>	Magdalena rat	Jalisco, W Mexico; forest
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Ichthyomys; fish-eating rats; NW South America; streams, swamps; ref. 9.90.

<i>I. hydrobates</i>		Ecuador, Colombia, W Venezuela
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<i>I. pittieri</i>		Venezuela
<i>I. stolzmanni</i>		Ecuador, Peru

<i>I. tweedii</i>		Ecuador, Panama
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Anotomys; (*Rheomys*); ref. 9.90.

<i>A. leander</i>	Ecuador fish-eating rat	Ecuador; montane streams
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Chibchanomys; (*Anotomys*); ref. 9.90.

C. trichotis Colombia, W Venezuela,
Peru

Rheomys; water mice; C America; streams in forest; ref. 9.90.

R. mexicanus Mexican water mouse Oaxaca, Mexico
R. raptor Goldman's water mouse Panama, Costa Rica
 (*hartmanni*)
R. thomasi Thomas' water mouse El Salvador, Chiapas
R. underwoodi Underwood's water mouse Costa Rica, W Panama

Neusticomys; (*Daptomys*); ref. 9.90.

N. monticolus Fish-eating mouse Ecuador, Colombia;
montane
N. oyapocki French Guiana
N. peruviansis Peruvian fish-eating rat EC Peru; streams in
lowland forest
N. venezuelae Venezuelan fish-eating rat N Venezuela, Guyana

Subfamily Cricetinae

Hamsters etc.; c. 25 species; Europe, N Asia; grasslands, steppe; seed-eaters.

Calomyscus; mouse-like hamsters; species similar, sometimes all included in

C. bailwardi
C. bailwardi Iran, Afghanistan, etc.
C. baluchi E Afghanistan,
W Pakistan
C. hotsoni W Pakistan
C. mystax S Turkmenia, etc.
C. urartensis NW Iran, etc.



Common hamster
(*Cricetus cricetus*)

Phodopus

P. campbelli Mongolia, etc. (in
(*sungorus*) *P. sungorus*?)
P. roborovskii Desert hamster Mongolia – Shaanxi
P. sungorus Striped hairy-footed hamster E Kazakhstan, SW Siberia

Cricetus

C. cricetus Common hamster W Europe – Altai;
grassland

Cricetulus; (*Allocricetulus*, *Tscherskia*); dwarf hamsters; SE Europe – China.

C. alticola Ladak hamster Ladak, Kashmir
C. barabensis Striped hamster S Siberia – Manchuria,
Korea
C. curtatus Mongolian hamster Mongolia
C. evermanni Eversmann's hamster N Kazakhstan
C. griseus NE China
 (*barabensis*)

<i>C. kamensis</i>	Tibetan hamster	Tibetan plateau
<i>C. longicaudatus</i>	Lesser long-tailed hamster	NW China, Mongolia, etc.
<i>C. migratorius</i>	Grey hamster	SE Europe – Sinkiang
<i>C. obscurus</i> (<i>barabensis</i>)		Mongolia, NW China
<i>C. pseudogriseus</i> (<i>barabensis</i>)		N Mongolia, etc.
<i>C. sokolovi</i>		Mongolia, W China; ref. 9.92
<i>C. triton</i>	Greater long-tailed hamster	NE China, Korea, Ussuri
<i>Cansumys</i>; (<i>Cricetulus</i>, <i>Tscherskia</i>).		
<i>C. canus</i>	Gansu hamster	Gansu, China; ref. 9.93
<i>Mesocricetus</i>		
<i>M. auratus</i> (<i>brandti</i>)	Golden hamster	Asia Minor, etc.
<i>M. newtoni</i>	Rumanian hamster	E Rumania, Bulgaria
<i>M. raddei</i>	Ciscaucasian hamster	Steppes N of Caucasus

Subfamily Spalacinae

Blind mole-rats; *c.* 8 species; E Mediterranean – S Russia; grassland, cultivation; subterranean; vegetarian.

Spalax

<i>S. arenarius</i>	S Ukraine
<i>S. giganteus</i>	N of Caspian Sea
<i>S. graecus</i>	N Rumania, Ukraine
<i>S. microphthalmus</i>	S Russia
<i>S. polonicus</i>	W Ukraine

***Nannospalax*; (*Spalax*, *Microspalax*, *Mesospalax*).**

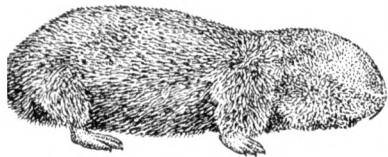
<i>N. ehrenbergi</i> (<i>leucodon</i>)	Syria – Libya
<i>N. leucodon</i>	Yugoslavia, Greece – SW Ukraine
<i>N. nehringi</i> (<i>leucodon</i>)	Asia Minor

Subfamily Myospalacinae

Zokors (eastern Asiatic mole-rats); *c.* 6 species; Altai – China; grassland, steppe.

Myospalax

<i>M. aspalax</i> (<i>myospalax</i>)	Transbaikalia, N Mongolia
<i>M. fontanierii</i> (<i>baileyi</i>) (<i>cansus</i>)	Common Chinese zokor
<i>M. myospalax</i>	Sichuan – Hebei
	Siberian zokor
	Altai, W Siberia



Blind mole-rat
(*Nannospalax ehrenbergi*)



Zokor
(*Nyospalax aspalax*)

<i>M. psilurus</i> (<i>myospalax</i>)		N China, Transbaikalia
<i>M. rothschildi</i>	Rothschild's zokor	Gansu, Hubei
<i>M. smithii</i>	Smith's zokor	Gansu



Crested rat
(*Lophiomys imhausii*)

Subfamily Lophiomyinae

<i>Lophiomyys</i>		
<i>L. imhausii</i>	Crested rat	E Africa; montane forest

Subfamily Platacanthomyinae

Spiny dormice; 2 species; SE Asia; forest.

<i>Platacanthomys</i>		
<i>P. lasiurus</i>	Malabar spiny dormouse	S India; forest, rocks



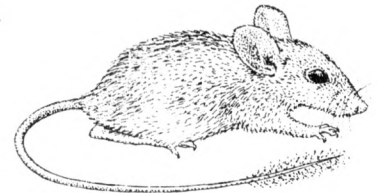
Spiny dormouse
(*Platacanthomys lasiurus*)

<i>Typhlomys</i>		
<i>T. cinereus</i>	Chinese pygmy dormouse	SE China, N Indochina; montane forest

Subfamily Nesomyinae

Madagascan rats, etc.; c. 11 species; Madagascar, (S Africa); forest, grassland.

<i>Macrotarsomys</i>		
<i>M. bastardi</i>		W Madagascar
<i>M. ingens</i>		NW Madagascar; forest



Madagascan rat
(*Macrotarsomys bastardi*)

<i>Nesomys</i>		
<i>N. rufus</i>		Madagascar

<i>Brachytarsomys</i>		
<i>B. albicauda</i>		E Madagascar; forest

<i>Eliurus</i>		
<i>E. minor</i>		E Madagascar; forest
<i>E. myoxinus</i>		Madagascar; forest

<i>Gymnuromys</i>		
<i>G. roberti</i>		E Madagascar

<i>Hypogeomys</i>		
<i>H. antimena</i>		W Madagascar; sandy coastal forest

<i>Brachyuromys</i>		
<i>B. betsileoensis</i>		Madagascar
<i>B. ramirohitra</i>		E Madagascar

<i>Mystromys</i>		
<i>M. albicaudatus</i>	White-tailed rat	S Africa



Vlei rat
(*Otomys irroratus*)

Subfamily Otomyinae

African swamp rats; *c.* 13 species; Africa S of Sahara; grassland, swamps.

Otomys; (*Myotomys*).

<i>O. anchietae</i>		Angola, S Tanzania
<i>O. angoniensis</i>	Angoni vlei rat	S Africa – Angola – Kenya
<i>O. denti</i>		NE Zambia – Uganda; montane
<i>O. irroratus</i>	Vlei rat	S Africa – Zimbabwe
<i>O. laminatus</i>	Laminate vlei rat	S Africa
<i>O. maximus</i>	Large vlei rat	SW Zambia, etc.
<i>O. saundersiae</i>	Saunder's vlei rat	Cape Province, etc.
<i>O. sloggetti</i>	Sloggett's vlei rat	S Africa; montane
<i>O. tropicalis</i>		Cameroun – Kenya
<i>O. typus</i>		Zambia – Ethiopia; montane
<i>O. unisulcatus</i>	Bush Karroo rat	Cape Province

Parotomys; Karroo rats.

<i>P. brantsii</i>	Brant's whistling rat	Cape Province, etc.
<i>P. littledalei</i>	Littledale's whistling rat	Cape Province, Namibia

Subfamily Rhizomyinae

East African mole-rats, bamboo rats; *c.* 6 species; E Africa, SE Asia; montane forest, grassland, subterranean vegetarians.

Tachyoryctes

<i>T. macrocephalus</i>	Giant mole-rat	Ethiopia; montane grassland
<i>T. splendens</i>	East African mole-rat	E Africa; montane

Rhizomys; bamboo rats; SE Asia.

<i>R. pruinosus</i>	Hoary bamboo rat	Assam, S China – Malaya
<i>R. sinensis</i>	Chinese bamboo rat	S China, N Burma
<i>R. sumatrensis</i>	Large bamboo rat	Indochina – Malaya, Sumatra

Cannomys

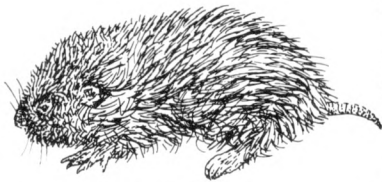
<i>C. badius</i>	Lesser bamboo rat (Bay bamboo rat)	Nepal – Thailand
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Subfamily Arvicolinae (Microtinae).

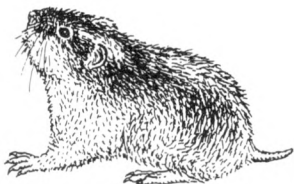
Voles, lemmings; *c.* 130 species; N America, N Eurasia; tundra, grassland, scrub, open forest; herbivores.

Dicrostonyx; collared lemmings; tundra; classification very provisional.

<i>D. exsul</i>	St Lawrence Island collared lemming	St Lawrence I (Alaska)
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East African mole rat
(*Tachyoryctes splendens*)



Norway lemming
(*Lemmus lemmus*)

<i>D. groenlandicus</i> (<i>torquatus</i>)	American arctic lemming	Greenland, N Canada (Arctic Islands)
<i>D. hudsonius</i>	Labrador collared lemming	Labrador, N Quebec
<i>D. nelsoni</i>	Nelson's collared lemming	Alaska
<i>D. richardsoni</i>	Richardson's collared lemming	Canada W of Hudson Bay
<i>D. rubricatus</i>	Bering collared lemming	N Alaska
<i>D. stevensoni</i>	Stevenson's collared lemming	Umnak I (Alaska)
<i>D. torquatus</i>	Siberian arctic lemming (Collared lemming)	Siberia
<i>D. vinogradovi</i>	Wrangel lemming	Wrangel I, Siberia

Synaptomys; bog lemmings; N America.

<i>S. borealis</i>	Northern bog lemming	Canada, Alaska
<i>S. cooperi</i>	Southern bog lemming	NE USA, SE Canada

Myopus; (*Lemmus*).

<i>M. schisticolor</i>	Wood lemming	Scandinavia, Siberia; taiga
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Lemmus; brown lemmings; tundra.

<i>L. amurensis</i>	Amur lemming	Verkhoyansk Mts – Upper Amur
<i>L. chrysogaster</i> (<i>sibiricus</i>)		NE Siberia; (in <i>L. sibiricus</i> ?)
<i>L. lemmus</i>	Norway lemming	Scandinavia
<i>L. nigripes</i>	Black-footed lemming	Pribilof Is
<i>L. sibiricus</i> (<i>trimucronatus</i>)	Siberian lemming (Brown lemming)	N Siberia W to White Sea; N, W Canada, Alaska

Clethrionomys; (*Evotomys*, *Eothenomys*); red-backed voles, bank voles; forest, scrub, tundra.

<i>C. andersoni</i>	Japanese red-backed vole	Honshu, Japan
<i>C. californicus</i> (<i>occidentalis</i>)	Western red-backed vole	Oregon – N California
<i>C. centralis</i> (<i>frater</i>)		Tien Shan Mts, etc.
<i>C. gapperi</i>	Gapper's red-backed vole	Canada (except NW), N USA, Rocky Mts, Appalachians; forest
<i>C. glareolus</i>	Bank vole	Europe – Altai; dec. forest
<i>C. rufocanus</i> (<i>rex</i>)	Grey red-backed vole	Scandinavia, Siberia, Hokkaido; tundra, montane
<i>C. rutilus</i>	Northern red-backed vole	N Eurasia, Arctic America; tundra, taiga

Eothenomys; (*Aschizomys*); oriental voles; E Asia.

<i>E. chinensis</i>		S China; montane
<i>E. custos</i>		S China; montane

<i>E. eva</i>		W China; montane
<i>E. inez</i>		C China
<i>E. lemminus</i>		NE Siberia; tundra
<i>E. melanogaster</i>	Père David's vole	S China, Taiwan
<i>E. olitor</i>		Yunnan, S China; montane
<i>E. proditor</i>		S China; montane
<i>E. regulus</i>		Korea, E Manchuria
<i>E. shanseius</i>		Shanxi, China
<i>E. smithii</i>		Japan, except Hokkaido
 <i>Alticola</i> ; mountain voles; C Asia; ref. 9.95.		
<i>A. barakshin</i>		W, SW Mongolia
(<i>stoliczkanus</i>)		
<i>A. fetisovi</i>		E Siberia; ref. 9.94
<i>A. macrotis</i>	Large-eared vole	Altai, Sayan Mts
<i>A. roylei</i>	Royle's mountain vole	W Himalayas – Altai; montane
<i>A. semicanus</i>		Mongolia
(<i>roylei</i>)		
<i>A. stoliczkanus</i>	Stoliczka's mountain vole	Himalayas – Altai
(<i>stracheyi</i>)		
<i>A. strelzowi</i>	Flat-headed vole	Altai, E Kazakhstan
<i>A. tuvinicus</i>		Altai Mts – L Baikal
(<i>roylei</i>)		
 <i>Hyperacrius</i>		
<i>H. fertilis</i>	True's vole	Kashmir, N Punjab
<i>H. wynnei</i>	Murree vole	N Pakistan; montane forest
 <i>Dinaromys</i> ; (<i>Dolomys</i>).		
<i>D. bogdanovi</i>	Martino's snow vole	Yugoslavia; montane
 <i>Arvicola</i> ; water voles; N Eurasia; freshwater banks, grassland.		
<i>A. sapidus</i>	Southwestern water vole	Iberia, SW France
<i>A. terrestris</i>	European water vole	Europe – E Siberia
(<i>amphibius</i>)		
 <i>Ondatra</i>		
<i>O. zibethicus</i>	Muskrat	N America, [N Eurasia]; freshwater banks
 <i>Neofiber</i>		
<i>N. alleni</i>	Round-tailed muskrat (Florida water rat)	Florida; freshwater banks, marshes
 <i>Phenacomys</i> ; (<i>Arborimus</i>)		
<i>P. albipes</i>	White-footed vole	W Oregon, NW California; coastal forest

<i>P. intermedius</i>	Heather vole	Canada, W USA; forest, tundra
<i>P. longicaudus</i> (<i>silvicola</i>)	Red tree vole	Oregon, NW California
Pitymys ; (<i>Blanfordimys</i> , <i>Microtus</i> , <i>Neodon</i>); pine voles; N America, Eurasia; doubtfully distinct from <i>Microtus</i> .		
<i>P. afghanus</i>	Afghan vole	Afghanistan, S Turkestan; montane
<i>P. bavaricus</i> †	Bavarian pine vole	S Germany; montane; Ex
<i>P. daghestanicus</i>	Daghestan pine vole	E Caucasus
<i>P. duodecimcostatus</i>	Mediterranean pine vole	S, E Iberia – SE France
<i>P. felteni</i> (<i>savii</i>)		S Yugoslavia
<i>P. gerbii</i> (<i>savii</i>)		SW France, NE Spain
<i>P. guatemalensis</i>	Guatemalan vole	Guatemala; montane
<i>P. juldaschi</i>	Juniper vole	Tien Shan, Pamirs; montane
<i>P. leucurus</i>	Blyth's vole	Tibetan Plateau, Himalayas
<i>P. liechtensteini</i>	Liechtenstein's pine vole	NW Yugoslavia
<i>P. lusitanicus</i>	Lusitanian pine vole	NW Iberia, SW France
<i>P. majori</i>	Major's pine vole	Caucasus, Asia Minor
<i>P. multiplex</i>	Alpine pine vole	European Alps
<i>P. ochrogaster</i>	Prairie vole	C, S USA
<i>P. pinetorum</i>	American pine vole	E USA; forest
<i>P. quasiater</i>	Jalapan pine vole	EC Mexico
<i>P. savii</i>	Savi's pine vole	Italy, S France
<i>P. schelkovnikovi</i>	Schelkovnikov's pine vole	Elburz, Talysh Mts, S of Caspian Sea
<i>P. sikimensis</i>	Sikkim vole	Himalayas – W China; montane
<i>P. subterraneus</i>	European pine vole	France – C Russia
<i>P. taticus</i>	Tatra pine vole	Tatra Mts; montane
<i>P. thomasi</i>	Thomas' pine vole	S Balkans

Microtus; grass voles, meadow voles; N America, N Eurasia, (N Africa); grassland, open forest, tundra.

<i>M. abbreviatus</i>	Insular vole	St Matthew I, Hall I, Bering Sea; vicariant of <i>M. gregalis</i>
<i>M. agrestis</i>	Field vole	Europe – R Lena, E Siberia
<i>M. arvalis</i>	Common vole	Europe – R Yenesei; grassland
<i>M. bedfordi</i>	Duke of Bedford's vole	Gansu, China
<i>M. brandtii</i>	Brandt's vole	Mongolia, Transbaikalia
<i>M. cabrerai</i>	Cabrera's vole	Iberia



Field vole
(*Microtus agrestis*)

<i>M. californicus</i>	California vole	California; (E)
<i>M. canicaudus</i>	Grey-tailed vole	Oregon; close to <i>M. montanus</i>
<i>M. chrotorrhinus</i>	Rock vole	E Canada, NE USA
<i>M. clarkei</i>	Clarke's vole	Yunnan, N Burma; high montane
<i>M. evoronensis</i>		Lower Amur, E Siberia; ref. 9.20
<i>M. fortis</i>	Reed vole	China, SE Siberia
<i>M. gregalis</i>	Narrow-headed vole	Siberia, C Asia
<i>M. gud</i>		NE Asia Minor, Caucasus
<i>M. guentheri</i>	Gunther's vole	SE Europe – Israel, Libya
<i>M. irani</i>	Persian vole	Iran, etc.
<i>M. kermanensis</i>	Baluchistan vole	SE Iran; ref. 9.96
<i>M. kikuchii</i>	Taiwan vole	Taiwan; montane
<i>M. kirgisorum</i>	Tien Shan vole	Tien Shan Mts
<i>M. limnophilus</i> (<i>oeconomus</i>)		W Mongolia, W China
<i>M. longicaudus</i> (<i>coronarius</i>)	Long-tailed vole	SW USA – Alaska
<i>M. mandarinus</i>	Mandarin vole	C China – SE Siberia
<i>M. maximowiczii</i> (<i>ungurensis</i>)		Upper Amur, E Siberia
<i>M. mexicanus</i> (<i>fulviventer</i>)	Mexican vole	Mexico, S USA; montane
<i>M. middendorffii</i> (<i>hyperboreus</i>)	Middendorff's vole	N Siberia; tundra
<i>M. millicens</i>	Szechwan vole	Sichuan, China
<i>M. miurus</i>	Singing vole	Alaska, Yukon
<i>M. mongolicus</i>	Mongolian vole	NE Mongolia, etc.
<i>M. montanus</i>	Montane vole	W USA; montane
<i>M. montebelli</i>	Japanese grass vole	Japan
<i>M. mujanensis</i>		Vitim Basin, E Siberia; ref. 9.78
<i>M. nivalis</i>	Snow vole	SW Europe – Iran; montane
<i>M. oaxacensis</i>	Tarabundi vole	Oaxaca, Mexico; montane forest
<i>M. oeconomus</i>	Root vole	N Eurasia, Alaska, etc.; tundra, taiga
<i>M. oregoni</i>	Creeping vole	W coast USA
<i>M. pennsylvanicus</i> (<i>breweri</i>)	Meadow vole	Canada, N USA; (R)
<i>M. richardsoni</i>	American water vole	NW USA, SW Canada; montane
<i>M. roberti</i>	Robert's vole	NE Asia Minor, W Caucasus; forest

<i>M. rossiaemeridionalis</i> (<i>epiroticus</i>) (<i>subarvalis</i>) (<i>arvalis</i>)		Finland, Greece – Urals, Caucasus; close to <i>M. arvalis</i> ; ref. 9.21
<i>M. sachalinensis</i>	Sakhalin vole	Sakhalin I
<i>M. socialis</i>	Social vole	Kazakhstan – Palestine
<i>M. townsendii</i>	Townsend's vole	W coast USA, Vancouver I
<i>M. transcaspicus</i>	Transcaspian vole	SW Turkestan; steppe
<i>M. umbrosus</i>	Zempoaltepec vole	Oaxaca, Mexico; montane
<i>M. xanthognathus</i>	Yellow-cheeked vole	NW Canada, Alaska; forest, tundra

Lemmiscus; (*Lagurus*).

<i>L. curtatus</i>	Sagebrush vole	W USA; montane steppe
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Lagurus

<i>L. lagurus</i>	Steppe lemming	Ukraine – Mongolia, Sinkiang
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Eolagurus; (*Lagurus*); yellow steppe lemmings.

<i>E. luteus</i>		W Mongolia, N Sinkiang, († Kazakhstan)
<i>E. przewalskii</i> (<i>lutens</i>)		N Tibet – S Mongolia

Prometheomys

<i>P. schaposchnikowi</i>	Long-clawed mole-vole	Caucasus, NE Asia Minor
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Ellobius; mole-voles; C Asia; steppe.

<i>E. alaicus</i> (<i>talpinus</i>)		Kirghizia
<i>E. fuscocapillus</i>	Southern mole-vole	SW Turkestan – Baluchistan
<i>E. lutescens</i> (<i>fuscocapillus</i>)		Caucasus – W Iran, etc.
<i>E. talpinus</i>	Northern mole-vole	Ukraine – Kazakhstan
<i>E. tancrei</i>		Uzbekistan – Sinkiang; ref. 9.97

Subfamily Gerbillinae

Gerbils, jirds; *c.* 97 species; C, W Asia, Africa; steppe, desert; seed-eaters.

Gerbillus; (*Dipodillus*, *Monodia*); northern pygmy gerbils; N, E Africa, SW Asia; desert, steppe; classification very provisional; ref. 9.22.

<i>G. acticola</i>		Somalia
<i>G. agag</i> (? <i>dalloni</i>)		Sudan, ? Chad
<i>G. allenbyi</i>		Israel; coastal dunes
<i>G. amoenus</i> (<i>nanus</i>)		Egypt – Mauritania



Gerbil
(*Gerbillus gerbillus*)

<i>G. andersoni</i> (? <i>bonhotei</i>)	Anderson's gerbil	Israel – Tunisia
<i>G. bottai</i>		Sudan, Kenya
<i>G. burtoni</i> (<i>pyramidum</i>)		Sudan
<i>G. campestris</i> (? <i>lowei</i>)	Large North African gerbil	Morocco – Egypt, Sudan
<i>G. cheesmani</i> (<i>aquilus</i>)	Cheesman's gerbil	Arabia – SW Iran
<i>G. cosensi</i> (<i>agag</i>)		N Kenya
<i>G. dasyurus</i>	Wagner's gerbil	Arabia, Israel, Iraq
<i>G. dunni</i>		Ethiopia, Somalia
<i>G. famulus</i>	Black-tufted gerbil	SW Arabia
<i>G. garamantis</i> (<i>nanus</i>)		Algeria
<i>G. gerbillus</i> (<i>hirtipes</i>)		Morocco – Israel
<i>G. gleadowi</i>	Indian hairy-footed gerbil	NW India, Pakistan
<i>G. grobbeni</i> (<i>nanus</i>)		NE Libya
<i>G. harwoodi</i>		Kenya
<i>G. henleyi</i>	Pygmy gerbil	Algeria – Israel – Oman
<i>G. hesperinus</i>		Morocco
<i>G. hoogstraali</i>		Morocco
<i>G. jamesi</i>		Tunisia
<i>G. latastei</i> (<i>gerbillus</i>) (<i>pyramidum</i>)		Libya, Tunisia, ? Algeria
<i>G. mackilligini</i> (<i>nanus</i>)		S Egypt, ? N Sudan
<i>G. maghrebi</i>	Greater short-tailed gerbil	Morocco
<i>G. mauritaniae</i>		Mauritania
<i>G. mesopotamiae</i>	Mesopotamian gerbil	Iraq, SW Iran
<i>G. muriculus</i>		Sudan
<i>G. nancillus</i>		Sudan
<i>G. nanus</i> (? <i>brockmani</i>)	Baluchistan gerbil	Morocco – Israel – W Pakistan; ? Somalia
<i>G. nigeriae</i> (<i>agag</i>)		N Nigeria
<i>G. occiduus</i>		Morocco
<i>G. perpallidus</i>		N Egypt
<i>G. poecilops</i>	Large Aden gerbil	Arabia
<i>G. principulus</i> (<i>nanus</i>)		Sudan
<i>G. pulvinatus</i> (? <i>bilensis</i>)		Ethiopia
<i>G. pusillus</i> (? <i>diminutus</i>) (? <i>percivali</i>)		Kenya, Ethiopia

<i>G. pyramidum</i> (? <i>dongolanus</i>) (? <i>floweri</i>)	Greater Egyptian gerbil	Egypt, Sudan
<i>G. riggenbachi</i>		Rio de Oro, W Sahara
<i>G. rosalinda</i>		Sudan
<i>G. ruberrimus</i>		Somalia, Kenya
<i>G. simoni</i> (<i>kaiseri</i>) (<i>zakariai</i>)	Lesser short-tailed gerbil	Algeria – Egypt
<i>G. somalicus</i> (<i>campestris</i>)		Somalia
<i>G. stigmonyx</i> (<i>campestris</i>)		Sudan
<i>G. syrticus</i>		Libya
<i>G. tarabuli</i> (<i>pyramidum</i>)		Libya
<i>G. vivax</i> (<i>nanus</i>)		Libya
<i>G. watersi</i> (? <i>juliani</i>)		Somalia, Sudan
<i>Gerbillurus</i>; (<i>Gerbillus</i>); southern pygmy gerbils; SW Africa; desert, subdesert.		
<i>G. paeba</i>	Hairy-footed gerbil	SW Angola – Cape Province; desert, subdesert
<i>G. setzeri</i>	Setzer's hairy-footed gerbil	Namib Desert; gravel plains
<i>G. tytonis</i>	Dune hairy-footed gerbil	S Namib, SW Africa; desert
<i>G. vallinus</i>	Bushy-tailed hairy-footed gerbil	SW Angola – Orange R
<i>Microdillus</i>		
<i>M. peeli</i>	Somalia pygmy gerbil	Somalia; semidesert
<i>Tatera</i>; rat-like gerbils; Africa, (SW Asia); steppe, savanna; ref. 9.98.		
<i>T. afra</i>	Cape gerbil	SW Cape Province; steppe
<i>T. boehmi</i>	Boehm's gerbil	Uganda – Zambezi, Angola
<i>T. brantsii</i>	Highveld gerbil	S Africa – Zambia
<i>T. guineae</i> (<i>robusta</i>)		W Africa
<i>T. inclusa</i>	Gorongosa gerbil	E Zimbabwe, Mozambique, E Tanzania
<i>T. indica</i>	Indian gerbil	W India – Asia Minor, Sri Lanka
<i>T. leucogaster</i>	Bushveld gerbil	S, C Africa; savanna
<i>T. nigricauda</i>	Black-tailed gerbil	S Somalia, Kenya, N Tanzania

<i>T. phillipsi</i> (<i>robusta</i>)		Kenya, Ethiopia, Somalia
<i>T. robusta</i>	Fringe-tailed gerbil	Tanzania – Sudan; Burkina Faso
<i>T. valida</i> (<i>gambiana</i>)	Savanna gerbil	Senegal – Ethiopia – Angola; savanna
<i>Taterillus</i> ; W, C, E Africa; savanna.		
<i>T. arenarius</i>		Mauritania, Niger, Mali; sahel
<i>T. congicus</i>		Cameroun – Sudan
<i>T. emini</i>		Chad – Kenya, Ethiopia
<i>T. gracilis</i>		W Africa; guinea savanna
<i>T. harringtoni</i>		Sudan – NE Tanzania; dry savanna
<i>T. lacustris</i>		L Chad, etc.
<i>T. petteri</i>		Burkina Faso; ref. 9.99
<i>T. pygargus</i>		Senegal – Mali
<i>Desmodillus</i>		
<i>D. auricularis</i>	Short-tailed gerbil (Cape short-eared gerbil)	S Africa
<i>Desmodilliscus</i>		
<i>D. braueri</i>	Pouched gerbil	Sudan – Senegal
<i>Pachyuromys</i>		
<i>P. duprasi</i>	Fat-tailed gerbil	N Sahara
<i>Ammodillus</i>		
<i>A. imbellis</i>	Somali gerbil	Somalia, SE Ethiopia
<i>Sekeetamys</i> ; (<i>Meriones</i>).		
<i>S. calurus</i>	Bushy-tailed jird	E Egypt, S Israel – C Arabia
<i>Meriones</i> ; jirds, gerbils; Sahara – China; steppe, desert.		
<i>M. chengi</i>		Turfan, Sinkiang
<i>M. crassus</i>		Sahara – Afghanistan; desert
<i>M. dahli</i>		Armenia; ref. 9.100
<i>M. hurrianae</i>	Indian desert gerbil	NW India – SE Iran
<i>M. libycus</i> (<i>caudatus</i>)	Libyan jird	Sahara – Sinkiang; desert
<i>M. meridianus</i>	Mid-day gerbil	Russian Turkestan – China N of Caucasus; ref. 9.100
<i>M. nogaiorum</i>		
<i>M. persicus</i>	Persian jird	Asia Minor – Pakistan
<i>M. rex</i>	King jird	SW Arabia
<i>M. sacramenti</i>	Buxton's jird	S Israel
<i>M. shawii</i>	Shaw's jird	Morocco – Egypt



Mongolian gerbil
(*Meriones unguicalatus*)

<i>M. tamariscinus</i>	Tamarisk gerbil	Lower Volga – W Gansu
<i>M. tristrami</i>	Tristram's jird	Sinai – Asia Minor, NW Iran
<i>M. unguiculatus</i>	Mongolian gerbil (Clawed jird)	Mongolia, Sinkiang – Manchuria
<i>M. vinogradovi</i>	Vinogradov's jird	E Asia Minor – N Iran
<i>M. zarudnyi</i>		NE Iran, etc.

Brachiones

<i>B. przewalskii</i>	Przewalski's gerbil	Sinkiang – Gansu
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Psammomys

<i>P. obesus</i>	Fat sand rat	Algeria – Arabia
<i>P. vexillaris</i>		Algeria – Libya

Rhombomys

<i>R. opimus</i>	Great gerbil	Caspian Sea – Sinkiang, Pakistan
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Subfamily Dendromurinae

African climbing mice, etc.; c. 22 species; Africa S of Sahara; forest – grassland.

Delanymys

<i>D. brooksi</i>		SW Uganda, etc.; montane swamps
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Dendromus; African climbing mice; Africa S of Sahara; forest – grassland.

<i>D. kahuziensis</i>		E Zaire; montane
<i>D. lovati</i>		Ethiopia; montane
<i>D. melanotis</i>	Grey climbing mouse	S Africa – Ethiopia – Guinea; savanna
<i>D. mesomelas</i>	Brants's climbing mouse	S Africa – Ethiopia – Cameroun
<i>D. messorius</i> (<i>mystacalis</i>)		Nigeria – Zaire
<i>D. mystacalis</i>	Chestnut climbing mouse	S Africa – Ethiopia – Zaire
<i>D. nyikae</i>	Nyika climbing mouse	E Transvaal – Malawi – Angola

Dendroprionomys

<i>D. roussetoti</i>		Congo Republic; forest
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Deomys

<i>D. ferrugineus</i>	Congo forest mouse	Zaire, Cameroun – Uganda; rain forest
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Leimacomys

<i>L. buettneri</i>		Togo; forest
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Malacothrix

<i>M. typica</i>	Large-eared mouse (Gerbil-mouse)	S Africa – S Angola
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Large-eared mouse
(*Malacothrix typica*)

Megadendromus

M. nikolausi E Ethiopia; montane; ref. 9.23

Petromyscus; rock mouse; SW Africa; rocky steppe.

P. collinus Pygmy rock mouse SW Cape Province – S Angola
P. monticularis Brukkaros rock mouse SW Africa

Steatomys; fat mice; Africa S of Sahara; savanna.

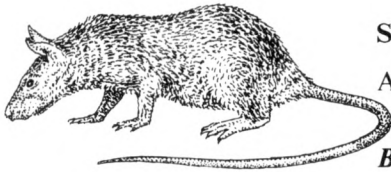
S. caurinus Senegal – Nigeria
S. cuppedius Senegal – Niger
S. jacksoni Ghana, W Nigeria
S. krebsii Krebs' fat mouse S Africa – Angola, Zambia
S. parvus Tiny fat mouse Senegal – Somalia – (minutus) SW Africa; dry savanna
S. pratensis Common fat mouse Senegal – Sudan – Natal; (caurinus) savanna, dry forest

Prionomys

P. batesi Dollman's tree mouse Cameroun, Cent. African Rep.

Subfamily Cricetomyinae

African pouched rats; c. 5 species; Africa S of Sahara; savanna, forest.



Giant pouched rat
(*Cricetomys gambianus*)

Beamys; long-tailed pouched rats.

B. hindei S Kenya, Malawi; (major) NE Zambia

Saccostomus; short-tailed pouched rats; savanna; ref. 9.24.

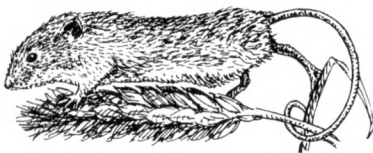
S. campestris Pouched mouse S Africa – Zambia
S. mearnsi Tanzania – Ethiopia, etc.

Cricetomys; giant pouched rats.

C. emini Sierra Leone – L Tanganyika; rain forest
C. gambianus Senegal – Sudan – S Africa; savanna

Subfamily Murinae

Old world mice and rats; c. 457 species; Eurasia, Africa, Australasia; forest (grassland); mainly seed-eaters.



Harvest mouse
(*Micromys minutus*)

Hapalomys; marmoset-rats; SE Asia; forest.

H. delacouri Indochina, Hainan
H. longicaudatus S Burma, Malaya

Vernaya; oriental climbing mice; S China, etc.; montane forest.

- | | | |
|--------------------|-------------------------|-------------------------------------|
| <i>V. foramena</i> | Sichuan climbing mouse | N Sichuan, China;
ref. 9.25 |
| <i>V. fulva</i> | Vernay's climbing mouse | S China, N Burma;
montane forest |

Tokudaia

- | | | |
|---------------------|------------------|-------------------|
| <i>T. osimensis</i> | Ryukyu spiny rat | Ryukyu Is; forest |
|---------------------|------------------|-------------------|

Vandeleuria

- | | | |
|---------------------|------------|--------------------------------------|
| <i>V. nolthenii</i> | | Sri Lanka; montane |
| <i>V. oleracea</i> | Palm mouse | India – Indochina, Sri Lanka; forest |

Micromys

- | | | |
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| <i>M. minutus</i>
(<i>danubialis</i>) | Harvest mouse | N Eurasia; grassland |
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Apodemus; (*Sylvaemus*); wood mice (long-tailed field mice); Palaearctic; forest, (grassland).

- | | | |
|---|----------------------------|--|
| <i>A. agrarius</i> | Striped field mouse | C Europe – China |
| <i>A. alpicola</i> | | European Alps; ref. 9.127 |
| <i>A. argenteus</i> | Small Japanese field mouse | Japan |
| <i>A. chevrieri</i>
(<i>agrarius</i>) | | SW China; montane |
| <i>A. draco</i>
(<i>semotus</i>) | | S China, etc., Taiwan |
| <i>A. falzfeini</i> | | Crimea etc.; ref. 9.122 |
| <i>A. flavicollis</i> | Yellow-necked mouse | Europe, Asia Minor |
| <i>A. gurkha</i> | Himalayan field mouse | Nepal; montane forest |
| <i>A. latronum</i> | | SW China, N Burma |
| <i>A. microps</i> | Pygmy field mouse | E Europe, Asia Minor;
grassland, scrub |
| <i>A. mystacinus</i> | Broad-toothed mouse | SE Europe, Asia Minor,
etc., scrub, rocks |
| <i>A. peninsulae</i> | Korean field mouse | Manchuria, Korea, etc.,
Hokkaido |
| <i>A. speciosus</i> | Large Japanese field mouse | Japan |
| <i>A. sylvaticus</i>
(<i>krkensis</i>) | Wood mouse | Europe – Altai, Himalayas;
N Africa |

Thamnomys

- | | | |
|--------------------|--|----------------------------------|
| <i>T. rutilans</i> | | W Africa – Uganda, N
Angola |
| <i>T. venustus</i> | | E Zaire, etc.; montane
forest |

Grammomys; (*Thamnomys*); Africa S of Sahara; ref. 9.101.

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|---|--|----------------------------|
| <i>G. aridulus</i> | | Sudan |
| <i>G. buntingi</i>
(<i>dolichurus</i>) | | Sierra Leone – Ivory Coast |

<i>G. caniceps</i>		Kenya coast
<i>G. cometes</i>		S Africa – Sudan
<i>G. dolichurus</i>	Woodland mouse	S Africa – Cent. Afr. Rep.; dry forest
<i>G. gigas</i> (<i>dolichurus</i>)		Mt Kenya
<i>G. macmillani</i>		Ethiopia – Zaire
<i>G. minnae</i>		Ethiopia
<i>Carpomys</i> ; Luzon rats; Philippines; montane forest.		
<i>C. melanurus</i>		Luzon, Philippines
<i>C. phaeurus</i>		Luzon, Philippines
<i>Batomys</i> ; (<i>Mindanaomys</i>); Philippine forest rats; montane forest.		
<i>B. dentatus</i>		Luzon, Philippines
<i>B. granti</i>		Luzon, Philippines; I
<i>B. salomonseni</i>		Mindanao etc., Philippines
<i>Pithecheir</i>		
<i>P. melanurus</i>		Java; montane forest
<i>P. parvus</i>	Malayan tree rat (Monkey-footed rat)	Malaya
<i>Hyomys</i>		
<i>H. goliath</i>	Rough-tailed giant rat (White-eared giant rat)	New Guinea
<i>Conilurus</i>		
<i>C. albipes</i>	White-footed rabbit-rat	E, S Australia; probably extinct
<i>C. penicillatus</i>	Brush-tailed rabbit-rat	N, NW Australia, New Guinea; savanna
<i>Zyzomys</i> ; (<i>Laomys</i>); Australian rock rats; N, C Australia; rocky outcrops in desert to savanna; ref. 9.124.		
<i>Z. argurus</i>	Common Australian rock rat	W, N Australia
<i>Z. maini</i>		N Australia
<i>Z. palatalis</i>		N Australia
<i>Z. pedunculatus</i>	Macdonnell Range rock rat (Central rock rat)	C Australia; I
<i>Z. woodwardi</i>	Woodward's rock rat (Large rock rat)	NW Australia
<i>Mesembriomys</i>		
<i>M. gouldii</i>	Black-footed tree rat	N Australia; savanna
<i>M. macrurus</i>	Golden-backed tree rat	NW, N Australia; savanna
<i>Oenomys</i>		
<i>O. hypoxanthus</i>	Rufous-nosed rat	Sierra Leone – N Angola, E Africa; forest

Lamottemys; ref. 9.105.

L. okuensis Cameroun

Mylomys; (*Pelomys*).

M. dybowskyii Ivory Coast – Kenya,
Zaire; savanna

Dasymys

D. incomtus African marsh rat
(African water rat) Senegal – Ethiopia –
S Africa; marshes, river
banks

Arvicanthis; African grass rats; Africa, Arabia; savanna; taxonomy very provisional.

A. abyssinicus W Africa – Ethiopia –
Zambia

A. blicki Ethiopia; high montane

A. dembeensis Ethiopia – ? W Africa;
(*testicularis*) ? SW Arabia

(? *naso*)

A. niloticus Egypt

A. somalicus Somalia, Ethiopia, Kenya

Hadromys

H. humei Manipur bush rat Assam – Yunnan; open
montane forest

Golunda

G. ellioti Indian bush rat India, etc., Sri Lanka;
marsh, cultivation

Pelomys; (*Desmomys*); groove-toothed swamp rats; Africa.

P. campanae Zaire, W Angola

P. fallax Creek rat Kenya – Botswana

P. harringtoni C Ethiopia; montane

P. hopkinsi Rwanda, SW Uganda;
marshes

P. isseli Kome & Bussu Is,
L Victoria

P. minor Zaire, Angola, Zambia

P. rex Ethiopia

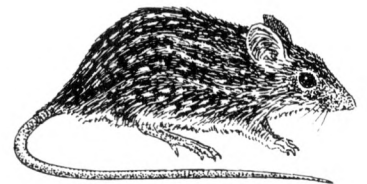
Lemniscomys; striped grass rats; Africa; savanna.

L. barbarus Senegal – Ethiopia,
Tanzania, NW Africa;
dry savanna, steppe

L. bellieri Ivory Coast; savanna;
ref. 9.26

L. griselda Single-striped mouse Angola

L. linulus Senegal – N Ivory Coast;
(*griselda*) close to *L. rosalia*



Striped grass rat
(*Lemniscomys striatus*)

<i>L. macculus</i>		Uganda, etc.
<i>L. mittendorfi</i> (<i>striatus</i>)		Cameroun
<i>L. rosalia</i> (<i>griselda</i>)		Kenya – S Africa
<i>L. roseveari</i>		Zambia; ref. 9.27
<i>L. striatus</i>		Sierra Leone – Ethiopia – Malawi – Angola; savanna

Rhabdomys

<i>R. pumilio</i>	Four-striped grass mouse	S Africa – Uganda, Kenya; grassland
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Hybomys; (*Typomys*); tropical Africa; forest; refs. 9.102, 103, 104.

<i>H. basillii</i>		Bioko I
<i>H. eisentrauti</i>		W Cameroun; montane
<i>H. lunaris</i> (<i>univittatus</i>)		Ruwenzori Mts
<i>H. planifrons</i> (<i>trivirgatus</i>)		Sierra Leone, Liberia
<i>H. trivirgatus</i>		Ivory Coast – Nigeria
<i>H. univittatus</i>		E Nigeria – Uganda

Millardia; Indian soft-furred rats; India, etc.; grassland, cultivation.

<i>M. gleadowi</i>	Sand-coloured rat	Pakistan, NW India
<i>M. kathleenae</i>		Burma
<i>M. kondana</i>		W India; ref. 9.28
<i>M. meltada</i>	Soft-furred field rat	India, Sri Lanka

Dacnomys

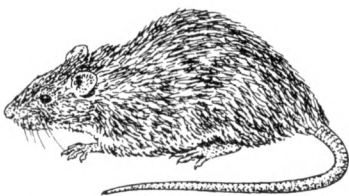
<i>D. millardi</i>	Millard's rat	Assam – Indochina; montane forest
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Eropeplus

<i>E. canus</i>	Sulawesi soft-furred rat	Sulawesi
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Stenocephalemys; Ethiopian narrow-headed rats; Ethiopia; high montane; should perhaps be included in *Praomys*.

<i>S. albocaudata</i>		Ethiopia
<i>S. griseicauda</i>		Ethiopia



Brown rat
(*Rattus norvegicus*)

Rattus; (*Nesoromys*); Old-world rats; SE Asia, Australia, some worldwide by association with man; mainly forest, scrub, cultivation; taxonomy still very provisional.

<i>R. adustus</i>		Enganno I (Sumatra); ref. 9.106
<i>R. annandalei</i>	Annandale's rat	S Thailand, Malaya, Sumatra

<i>R. argentiventer</i>	Ricefield rat	Indochina – Java, Borneo, Philippines, [Sulawesi, New Guinea]; cultivation, scrub
<i>R. baluensis</i>	Summit rat	Borneo; montane forest
<i>R. ceramicus</i>	Ceram rat	Ceram, Indonesia; montane forest
<i>R. doboensis</i>		Aru Is, Indonesia
<i>R. elaphinus</i>		Taliabu, Sulawesi
<i>R. enganus</i>		Enggano I (Sumatra)
<i>R. everetti</i>		Philippines
<i>R. exulans</i> (<i>bocourti</i>) (<i>ephippium</i>)	Polynesian rat	Bangladesh – New Guinea, Philippines, New Zealand, Pacific islands; commensal
<i>R. feliceus</i> (<i>ruber</i>)		Ceram, Indonesia
<i>R. fuscipes</i>	Bush rat	E, S, SW Australia; coastal
<i>R. giluwensis</i>		C New Guinea; ref. 9.33
<i>R. hoffmanni</i> (<i>tatei</i>)		Sulawesi
<i>R. hoogerwerfi</i>		N Sumatra; montane
<i>R. hoxaensis</i>		Central Vietnam
<i>R. jobiensis</i>		Islands in Geelvink Bay, New Guinea; ref. 9.33
<i>R. koratensis</i> (<i>sladeni</i>) (<i>sikkimensis</i>)	Sladen's rat	Nepal – Indochina; forest
<i>R. korinchi</i>		Sumatra; montane; ref. 9.37
<i>R. leucopus</i>	Mottle-tailed rat (Cape York rat) (White-footed spiny rat)	S New Guinea, N Queensland; lowland forest
<i>R. losea</i> (<i>exiguus</i>) (<i>sakeratensis</i>)	Lesser ricefield rat	SE China – Thailand, Taiwan; cultivation
<i>R. lugens</i>		Mentawai Is; ref. 9.106
<i>R. lutreolus</i>	Australian swamp rat	E, SE Australia, Tasmania
<i>R. macleari</i> †		Christmas I, Indian Oc.; extinct
<i>R. marmosurus</i> (<i>facetus</i>)		Sulawesi
<i>R. mindorensis</i>		Mindoro, Philippines; ref. 9.106
<i>R. montanus</i>		Sri Lanka; montane
<i>R. morataiensis</i>		Moluccas
<i>R. mordax</i>		E New Guinea; ref. 9.33
<i>R. nativitatis</i> †		Christmas I, Indian Ocean; extinct

<i>R. niobe</i>	Moss-forest rat	New Guinea; montane
<i>R. nitidus</i> (<i>ruber</i>)	Himalayan rat	Himalayas – Indochina, Luzon (Philippines), [Sulawesi, New Guinea]; commensal
<i>R. norvegicus</i>	Brown rat (Common rat) (Norway rat)	[Worldwide], original range probably SE Asia; commensal; includes domestic rats
<i>R. novaeguinae</i>		NE New Guinea; ref. 9.33
<i>R. osgoodi</i>		S Vietnam; ref. 9.84
<i>R. owiensis</i>		Owi I, W New Guinea
<i>R. palmarum</i>		Nicobar Is
<i>R. praetor</i> (<i>ruber</i>)	Variable spiny rat	New Guinea, Solomon Is
<i>R. ranjinae</i>		S India
<i>R. rattus</i>	Roof rat (Black rat) (Ship rat) (House rat)	SE Asia, [worldwide in tropics and warm temperate zones]; commensal
<i>R. richardsoni</i> (<i>omichlodes</i>)	Richardson's rat	W New Guinea; montane
<i>R. sordidus</i> (<i>colletti</i>)	Australian dusky field rat (Canefield rat)	N, NE Australia, New Guinea
<i>R. steini</i> (<i>leucopus</i>)		New Guinea; ref. 9.33
<i>R. stoicus</i> (<i>rogersi</i>)		Andaman Is
<i>R. tawitawiensis</i>		Tawitawi I, S Philippines; ref. 9.106
<i>R. tiomanicus</i> (<i>jalorensis</i>)	Malaysian field rat	Malaya – Borneo, Palawan; cultivation, secondary forest
<i>R. tunneyi</i>	Tunney's rat (Pale field rat)	W, N, NE, C Australia; savanna, coastal sands
<i>R. turkestanicus</i> (<i>rattoides</i>)	Turkestan rat	Soviet Turkestan — China
<i>R. verecundus</i>	Slender rat	New Guinea
<i>R. villosissimus</i>	Long-haired rat	E, C Australia
<i>R. xanthurus</i>		Sulawesi
Maxomys ; (<i>Rattus</i>); oriental spiny rats; SE Asia; ref. 9.30.		
<i>M. alticola</i>	Mountain spiny rat	N Borneo; montane forest
<i>M. baeodon</i>	Small spiny rat	N Borneo
<i>M. bartelsii</i>		Java
<i>M. dollmani</i>		Sulawesi
<i>M. hellwaldii</i>		Sulawesi
<i>M. hylomyoides</i>		Sumatra
<i>M. inas</i>	Malayan mountain spiny rat	Malaya; montane forest

<i>M. inflatus</i>		Sumatra
<i>M. moi</i>		Indochina
<i>M. musschenbroekii</i>		Sulawesi
<i>M. ochraceiventer</i>	Chestnut-bellied spiny rat	Borneo; submontane forest
<i>M. pagensis</i>		Mentawai Is
<i>M. panglima</i>		Palawan etc.
<i>M. rajah</i>	Brown spiny rat (Rajah rat)	Malaya – Sumatra, Borneo; lowland forest
<i>M. surifer</i>	Red spiny rat	Indochina – Java, Borneo; lowland forest
<i>M. whiteheadi</i>	Whitehead's rat	Malaya, Sumatra, Borneo; forest
<i>Sundamys</i>; (<i>Rattus</i>); ref. 9.34.		
<i>S. infraluteus</i>		Sumatra, Borneo
<i>S. maxi</i>		Java
<i>S. muelleri</i>		Malaya, Sumatra, Borneo, Palawan
<i>Abditomys</i>; (<i>Rattus</i>); ref. 9.35.		
<i>A. latidens</i>		Luzon, Philippines
<i>Palawanomys</i>; ref. 9.34.		
<i>P. furvus</i>		Palawan, Philippines
<i>Niviventer</i>; (<i>Rattus</i>, <i>Maxomys</i>); SE Asia; ref. 9.31.		
<i>N. andersoni</i>		SW China
<i>N. brahma</i>		NE India, N Burma; montane forest
<i>N. bukit</i>	Malayan white-bellied rat	S Burma – Java; forest
<i>N. confucianus</i>	Chinese white-bellied rat	S Manchuria – N Indochina, Taiwan, Hainan
<i>N. coninga</i> (<i>coxingi</i>)		N Burma, Taiwan
<i>N. cremoriventer</i>	Dark-tailed tree rat	Malaya – Java, Borneo; lowland forest
<i>N. eha</i>	Smoke-bellied rat	Nepal – SW China; montane
<i>N. excelsior</i>		SW China
<i>N. fulvescens</i> (<i>bukit</i>)	Chestnut rat	Himalayas – S China – Java; ref. 9.29
<i>N. hinpoon</i>		Thailand
<i>N. langbianus</i>		NE India – Thailand, Indochina; close to <i>N. cremoriventer</i>
<i>N. lepturus</i>		Java
<i>N. niviventer</i>	White-bellied rat	Himalayas
<i>N. rapit</i>	Long-tailed mountain rat	Thailand – Sumatra, Borneo
<i>N. tenaster</i>		Assam – Vietnam

Margaretamys; (*Rattus*); Sulawesi; forest; ref. 9.31.

<i>M. beccarii</i>		Sulawesi; lowland
<i>M. elegans</i>		Sulawesi; montane
<i>M. parvus</i>		Sulawesi; montane

Berylmys; (*Rattus*); ref. 9.34.

<i>B. berdmorei</i>	Small white-toothed rat (Grey rat)	S Burma, Thailand, Indochina
<i>B. bowersi</i>	Bower's rat	NW India – S China – Sumatra; forest
<i>B. mackenziei</i>	Kenneth's white-toothed rat	Assam – Thailand
<i>B. manipulus</i>	Manipur rat	Assam – Burma

Lenothrix; (*Rattus*).

<i>L. canus</i>	Grey tree rat	Malaya, Sumatra, Borneo; forest
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Apomys; (*Rattus*); Philippines; ref. 9.112.

<i>A. abrae</i>		Luzon
<i>A. datae</i>		Luzon
<i>A. hollisteri</i> (<i>microdon</i>)		Leyte, Dinagat, etc.
<i>A. hylocoetes</i> (<i>petraeus</i>)		Mindanao
<i>A. insignis</i>		Mindanao
<i>A. littoralis</i>		Mindanao, Negros
<i>A. musculus</i>		Luzon, Mindoro
<i>A. sacobianus</i>		Luzon

Diplothrix; (*Rattus*).

<i>D. legatus</i>		Ryukyu Is
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Leopoldamys; (*Rattus*); ref. 9.31.

<i>L. edwardsi</i>	Edwards' rat	Sikkim – S China – Sumatra
<i>L. neilli</i>	Neill's rat	S Thailand
<i>L. sabanus</i>	Long-tailed giant rat (Noisy rat)	Indochina – Java, Borneo; lowland forest
<i>L. siporanus</i>		Mentawai Is

Bunomys; (*Rattus*); ref. 9.32.

<i>B. andrewsi</i> (<i>adspersus</i>)		Sulawesi
<i>B. chrysocomus</i>		Sulawesi
<i>B. fratrorum</i>		Sulawesi
<i>B. penitus</i>		Sulawesi

Taeromys; (*Rattus*); ref. 9.32.

<i>T. arcuatus</i>		Sulawesi
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<i>T. callitrichus</i>		Sulawesi
<i>T. celebensis</i>		Sulawesi
<i>T. hamatus</i>		C Sulawesi
<i>T. punicans</i>		Sulawesi
<i>T. taerae</i>		NE Sulawesi
<i>Cremonomys</i>; (<i>Rattus</i>); India, etc.		
<i>C. blanfordi</i>		India, Sri Lanka
<i>C. cutchicus</i>		S, W India
<i>C. elvira</i>		SE India
<i>Paruromys</i>; (<i>Rattus</i>); ref. 9.32.		
<i>P. dominator</i>		Sulawesi
<i>Bullimus</i>; (<i>Rattus</i>); Philippines; ref. 9.32.		
<i>B. bagobus</i>		Mindanao etc.
(<i>bagopus</i>)		
<i>B. luzonicus</i>		Luzon
<i>B. rabori</i>		Mindanao
<i>Srilankamys</i>; (<i>Rattus</i>); ref. 9.31.		
<i>S. ohiensis</i>	Ohiya rat	Sri Lanka; montane
<i>Kadarsanomys</i>; (<i>Rattus</i>); ref. 9.36.		
<i>K. sodyi</i>		W Java; montane forest
<i>Anonymomys</i>; ref. 9.31.		
<i>A. mindorensis</i>		Mindoro, Philippines
<i>Aethomys</i>; (<i>Rattus</i>); Africa S of Sahara; savanna.		
<i>A. bocagei</i>		Angola, Zaire
<i>A. chrysophilus</i>	Red veld rat	SW Africa – Natal – Kenya
<i>A. granti</i>	Grant's rock mouse	Karoo, S Africa
<i>A. hindei</i>		N Nigeria – NE Tanzania
<i>A. kaiseri</i>		E Zaire – Kenya – Malawi – Angola
<i>A. namaquensis</i>	Namaqua rock mouse	S Africa – S Zambia
<i>A. nyikae</i>	Nyika veld rat	NE Zambia, Malawi, E Zimbabwe
(<i>dollmani</i>)		
<i>A. silindensis</i>	Silinda rat	E Zimbabwe
<i>A. thomasi</i>		W C Angola
<i>Thallomys</i>; (<i>Aethomys</i>, <i>Rattus</i>).		
<i>T. paedulcus</i>	Acacia rat (Black-tailed tree rat)	S Africa – Somalia; savanna, dry forest
<i>Praomys</i>; (<i>Myomys</i>); African soft-furred rats; Africa (Arabia); mainly forest.		
<i>P. albipes</i>		Ethiopia, etc.; forest, cultivation

- P. daltoni*
(*butleri*) Senegal – Sudan; savanna
- P. delectorum* Kenya – Malawi; montane forest
- P. derooi* Ghana – W Nigeria; savanna; ref. 9.38
- P. fumatus* E Africa, SW Arabia; steppe
- P. hartwigi* Cameroun; montane forest
- P. jacksoni* Nigeria – Sudan – Zambia; forest
- P. misonnei* E Zaire; ref. 9.107
- P. morio* W C, Africa; forest
- P. rostratus* Ivory Coast, Liberia; ref. 9.40
- P. ruppi* Ethiopia; montane; ref. 9.41
- P. tullbergi* Senegal – Ghana; forest
- Mastomys**; (*Praomys*, *Rattus*); multimammate mice; Africa.
- M. angolensis* Angola, Zaire
- M. coucha*
(*natalensis*) S, ? E, ? W Africa; close to *M. natalensis*
- M. erythroleucus*
(*natalensis*) Morocco, Senegal – Sudan; steppe, savanna, cultivation
- M. huberti*
(*erythroleucus*) W Africa, Morocco, ? Somalia; guinea savanna; ref. 9.39
- M. natalensis* Natal multimammate rat S, ? E Africa; steppe, savanna, cultivation, commensal; close to *M. coucha*
- M. pernanus* S Kenya, N Tanzania, Ruanda
- M. shortridgei* Shortridge's mouse Namibia, Botswana
- M. verheyeni* Nigeria, Cameroun; savanna; ref. 9.108
- Myomyscus**; (*Praomys*).
- M. verroxii* Verreaux's mouse Cape Province
(*verreauxi*)
- Hylomyscus**; (*Praomys*, *Rattus*); Africa S of Sahara; forest; classification very provisional.
- H. alleni* Guinea – Gabon, etc.
- H. baeri* Ivory Coast, Ghana
- H. carillus*
(*aeta*) Zaire, etc.

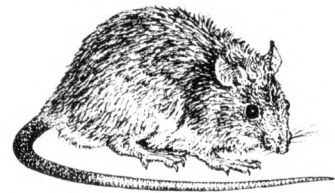
<i>H. demniae</i>		Uganda – Zambia
<i>H. fumosus</i>		Gabon, Cameroun, etc.
<i>H. parvus</i>		Zaire – Cameroun
<i>H. stella</i>		Nigeria – Kenya
<i>Limnomys</i>; (<i>Rattus</i>).		
<i>L. sibuanus</i>		Mindanao, Philippines;
(<i>mearnsi</i>)		montane
<i>Stochomys</i>; (<i>Rattus</i>); ref. 9.42.		
<i>S. longicaudatus</i>		Zaire – Nigeria; rain forest
<i>Dephomys</i>; (<i>Stochomys</i>); tropical Africa; forest; ref. 9.42.		
<i>D. defua</i>		Guinea – Ivory Coast
<i>D. eburnea</i>		Ivory Coast
(<i>defua</i>)		
<i>Tarsomys</i>; (<i>Rattus</i>).		
<i>T. apoensis</i>		Mindanao, Philippines
<i>Tryphomys</i>; (<i>Rattus</i>).		
<i>T. adustus</i>	Mearns's Luzon rat	Luzon, Philippines;
		montane
<i>Leporillus</i>		
<i>L. apicalis</i>	White-tipped stick-nest rat (Lesser stick-nest rat)	C Australia; dry forest, scrub; probably extinct
<i>L. conditor</i>	Greater stick-nest rat	Franklin I, S Australia (extinct mainland); R
<i>Leggadina</i>; (<i>Pseudomys</i>); ref. 9.43.		
<i>L. forresti</i>	Forrest's mouse	W, C Australia; arid zones
<i>L. lakedownensis</i>	Lakeland Downs mouse	NE Queensland
<i>Pseudomys</i>; (<i>Gyomys</i>, <i>Thetamys</i>); Australian mice; Australia; forest – desert.		
<i>P. albocinereus</i>	Ashy-grey mouse	SW Australia; scrub
<i>P. apodemoides</i>	Silky mouse	S Australia, Victoria
(<i>albocinereus</i>)		
<i>P. australis</i>	Eastern mouse (Plains rat)	E, S, C Australia
<i>P. bolami</i>		SW Australia; ref. 9.110
(<i>hermanns-</i> <i>burgensis</i>)		
<i>P. chapmani</i>	Pebble-mound mouse	NW Australia; ref. 9.44
<i>P. delicatulus</i>	Little native mouse (Delicate mouse)	NE, N, NW Australia, C New Guinea; steppe
<i>P. desertor</i>	Brown desert mouse	W, C Australia
<i>P. fieldi</i>	Alice Springs mouse	Alice Springs, C Australia; ? extinct
<i>P. fumeus</i>	Smokey mouse	Victoria; forest

<i>P. glaucus</i> (<i>albocinereus</i>)		S Queensland
<i>P. gouldii</i>	Gould's mouse	SW, S Australia; ? extinct
<i>P. gracilicaudatus</i>	Eastern chestnut mouse	C, S Queensland, New South Wales
<i>P. hermannsburgensis</i>	Sandy inland mouse	Australia; dry grassland, steppe
<i>P. higginsii</i>	Tasmanian mouse (Long-tailed mouse)	Tasmania; forest
<i>P. johnsoni</i>		N Australia; ref. 9.109
<i>P. laborifex</i>		NW Australia; ref. 9.111
<i>P. nanus</i>	Western chestnut mouse	W, N Australia; rocky hills
<i>P. novaehollandiae</i>	New Holland mouse	E New South Wales, Victoria, Tasmania
<i>P. occidentalis</i>	Western mouse	SW Australia; scrub
<i>P. oralis</i>	Hastings River mouse	SE Queensland; I
<i>P. pilligaensis</i>	Pilliga mouse	N New South Wales; ref. 9.45
<i>P. praeconis</i>	Shark Bay mouse	Shark Bay, W Australia; coastal dunes; R
<i>P. shorridgei</i>	Heath rat	Victoria, ? SW Australia; swamp, scrub

Melomys; (*Uromys*); mosaic-tailed rats; New Guinea, NE Australia; mainly montane forest.

<i>M. aerosus</i>		Ceram; montane
<i>M. albidens</i>	White-toothed melomys	W New Guinea; montane
<i>M. arcium</i>	Rossel Island melomys	Rossel I, E of New Guinea
<i>M. burtoni</i> (<i>littoralis</i>)	Grassland melomys	E, N Australia
<i>M. capensis</i> (<i>cervinipes</i>)	Cape York melomys	NE Queensland
<i>M. caurinus</i>		Talau Is, Moluccas
<i>M. cervinipes</i>	Fawn-footed melomys	E, NE Australia; forest
<i>M. fellowsii</i>	Red-bellied melomys	NE New Guinea; montane
<i>M. fraterculus</i>		Ceram; montane
<i>M. fulgens</i>		Ceram
<i>M. hadrourus</i>	Thornton Peak melomys	NE Queensland; ref. 9.46
<i>M. leucogaster</i>	White-bellied melomys	New Guinea
<i>M. levipes</i>	Long-nosed melomys	New Guinea
<i>M. lorentzii</i>	Long-footed melomys	New Guinea
<i>M. lutillus</i>	Little melomys	SE New Guinea, N Queensland
<i>M. monktoni</i>	Southern melomys	New Guinea
<i>M. obiensis</i>		Obi I, Halmahera
<i>M. platyops</i>	Lowland melomys	New Guinea
<i>M. porculus</i>		Guadalcanal, Solomon Is
<i>M. rubex</i>	Highland melomys	New Guinea

<i>M. rubicola</i>	Bramble Cay melomys	Bramble Cay (I), E New Guinea; (in <i>M. leucogaster</i> ?)
<i>M. rufescens</i>	Rufescent melomys	New Guinea – Solomon Is
<i>Pogonomelomys</i> ; (<i>Melomys</i>); New Guinea; forest; arboreal, terrestrial.		
<i>P. bruijnii</i>	Lowland brush mouse	W, S New Guinea; lowland
<i>P. mayeri</i>	Shaw Mayer's brush mouse	W New Guinea; montane
<i>P. ruemmleri</i>	Rümmmler's brush mouse	W New Guinea; montane
<i>P. sevia</i>	Highland brush mouse	NE New Guinea; montane
<i>Solomys</i> ; (<i>Melomys</i>); naked-tailed rats; Solomon Islands; forest.		
<i>S. ponceleti</i>		Bougainville I, Solomons
<i>S. salebrosus</i>		Bougainville I, Solomons
<i>S. sapientis</i>		Santa Ysabel I, Solomons
<i>Uromys</i> ; giant naked-tailed rats; New Guinea, Solomon Islands, NE Australia; forest; arboreal.		
<i>U. anak</i> (<i>neobritannicus</i>)	Black-tailed tree rat	C, NE New Guinea; New Britain; montane
<i>U. caudimaculatus</i>	Giant white-tailed rat (Mottle-tailed tree rat)	New Guinea, NE Queensland
<i>U. imperator</i>		Guadalcanal I, Solomons
<i>U. rex</i>		Guadalcanal I, Solomons
<i>U. salamonis</i>		Florida I, Solomons
<i>Xenuromys</i>		
<i>X. barbatus</i>	Mimic tree rat	New Guinea
<i>Malacomys</i> ; African swamp rats; W, C Africa; forest, swamp.		
<i>M. cansdalei</i>		Ivory Coast – Ghana
<i>M. edwardsi</i>		Liberia – Nigeria
<i>M. longipes</i>		Cameroun – Uganda – NW Zambia
<i>M. verschureni</i>		E, NW Zaire
<i>Haeromys</i> ; pygmy tree mice; Borneo, Sulawesi; forest.		
<i>H. margarettae</i>	Ranee mouse	Borneo
<i>H. minahassae</i>		N Sulawesi
<i>H. pusillus</i>	Lesser ranee mouse	Borneo
<i>Chiromyscus</i>		
<i>C. chiropus</i>	Fea's tree rat	Indochina, E Burma; forest
<i>Diomys</i>		
<i>D. crumpi</i>	Crump's mouse	NE India, Nepal
<i>Zelotomys</i>		
<i>Z. hildegardeae</i>		Angola – Malawi – Uganda – C Af. Rep.



Giant white-tailed rat
(*Uromys caudimaculatus*)

Z. woosnami Pale rat
(Woosnam's desert rat) NW Botswana,
EC Namibia

***Muriculus*; (*Mus*).**

M. imberbis Ethiopia; montane

Mus; (*Coelomys*, *Gatimiya*, *Leggada*, *Leggadilla*, *Mycteromys*, *Nannomys*); SE Asia, Africa, [worldwide]; forest, grassland; ref. 9.49 (Asia); 9.48 (Europe); 9.50.

M. abbotti Abbott's mouse Asia Minor, Greece, etc.

M. baoulei Ivory Coast; ref. 9.47

M. booduga India, Pakistan, Burma, Sri Lanka
(*fulvidiventris*)
(*lepidoides*)

M. bufo E Zaire

M. callewaerti S Zaire, Angola

M. caroli Ryukyu mouse Ryukyu Is, Taiwan, S China, Indochina – Sumatra, Java; cultivation

M. cervicolor Fawn-coloured mouse Kashmir – Indochina, Sumatra, Java; cultivation, forest

M. cookii Cook's mouse India – Thailand

M. crociduroides Sumatra; montane forest

M. dunni India, Sumatra

M. famulus S India; montane forest

M. fernandoni Sri Lanka

M. goundae N Cent. African Rep.

M. gratus W Uganda

M. haussa Senegal – Niger; steppe

M. hortulanus Steppe mouse Austria – S Russia; cultivated land
(*musculus*)

M. indutus Desert pygmy mouse S Africa – Zambia

M. mahomet Ethiopia

M. mattheyi Senegal – Ghana; savanna

M. mayori Sri Lanka

M. minutoides Pygmy mouse Africa S of Sahara; probably an aggregate of sibling species
(*musculoides*)

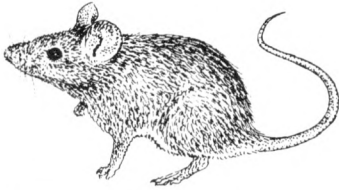
M. musculus House mouse worldwide commensal, outdoor forms scarce in range of other *Mus* spp.
(*molossinus*)
(*domesticus*)
(*castaneus*)
(*poschiavinus*)

M. oubanguii Cent. African Rep.; savanna

M. pahari Gairdner's shrew-mouse Sikkim – Indochina

M. phillipsi India

M. platythrix India



House mouse
(*Mus musculus*)

<i>M. proconodon</i> (<i>pasha</i>)		Somalia, Ethiopia, Zaire
<i>M. saxicola</i>		India, Pakistan, Nepal
<i>M. setulosus</i>		Guinea – Gabon; Ethiopia
<i>M. setzeri</i>	Setzer's pygmy mouse	Botswana, Zambia
<i>M. shortridgei</i>	Shortridge's mouse	Burma – Indochina
<i>M. sorella</i> (<i>neavei</i>)		Uganda, Kenya – Zambia
<i>M. spicilegus</i>	Steppe mouse	SE Europe – Iran
<i>M. spretus</i>	Algerian mouse	SW Europe, NW Africa
<i>M. tenellus</i>		E Africa
<i>M. triton</i>	Grey-bellied pygmy mouse	E Zaire – Kenya – Mozambique
<i>M. vulcani</i>		Java; montane forest
<i>Colomys</i>; (<i>Nilopegamys</i>).		
<i>C. goslingi</i>		Angola – Cameroun – Ethiopia; wet forest
<i>Crunomys</i>; ref. 9.112.		
<i>C. celebensis</i>		C Sulawesi
<i>C. fallax</i>		Luzon, Philippines
<i>C. melanius</i>		Mindanao, Philippines
<i>C. rabori</i>		Leyte, Philippines
<i>Archboldomys</i>; ref. 9.112.		
<i>A. luzonensis</i>		Luzon, Philippines
<i>Macruromys</i>		
<i>M. elegans</i>	Western small-toothed rat	W New Guinea; montane
<i>M. major</i>	Eastern small-toothed rat	NE New Guinea; montane
<i>Lorentzimys</i>		
<i>L. nouhuysii</i>	New Guinea jumping mouse	New Guinea; forest
<i>Lophuromys</i>; brush-furred rats; W, C, E Africa; forest, etc.		
<i>L. cinereus</i>		E Zaire; montane
<i>L. flavopunctatus</i>		C, E Africa, Ethiopia
<i>L. luteogaster</i>		NE Zaire; forest
<i>L. medicaudatus</i>		C Africa; montane
<i>L. melanonyx</i>		Ethiopia; high montane
<i>L. nudicaudus</i>		Cameroun, etc.; forest- edge
<i>L. rahmi</i>		C Africa; montane forest
<i>L. sikapusi</i>		W, C Africa; forest savanna
<i>L. woosnami</i>		C Africa; montane forest

Notomys; Australian hopping mice; Australia; desert, steppe, (dry forest).

<i>N. alexis</i>	Spinifex hopping mouse	C, W Australia; desert, dry grassland
<i>N. amplus</i>	Short-tailed hopping mouse	C Australia; probably extinct
<i>N. aquilo</i> (<i>carpentarius</i>)	Northern hopping mouse	N Queensland, N Australia; coastal dunes; K
<i>N. cervinus</i>	Fawn hopping mouse	C Australia; desert
<i>N. fuscus</i>	Dusky hopping mouse	C Australia; desert, steppe; I
<i>N. longicaudatus</i>	Long-tailed hopping mouse	SW, C Australia; ? extinct
<i>N. macrotis</i> (<i>megalotis</i>)	Big-eared hopping mouse	SW Australia; ? extinct
<i>N. mitchellii</i>	Mitchell's hopping mouse	SE, S, SW Australia; dry forest – grassland

Mastacomys

<i>M. fuscus</i>	Broad-toothed rat	SE Australia, Tasmania; wet forest, marsh
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Echiothrix

<i>E. leucura</i>	Sulawesi spiny rat (Celebes shrew-rat)	Sulawesi
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Melasmothrix

<i>M. naso</i>	Lesser shrew-rat	Sulawesi
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Tateomys; shrew rats; Sulawesi; ref. 9.51.

<i>T. macrocercus</i>		Sulawesi
<i>T. rhinogradoides</i>	Tate's rat	Sulawesi

Acomys; African spiny mice; Africa, SW Asia; desert – savanna; classification very provisional.

<i>A. cahirinus</i> (<i>cineraceus</i>) (<i>dimidiatus</i>)	Cairo spiny mouse	circum-Sahara, Ethiopia, Kenya, Israel – Pakistan; perhaps an aggregate of sibling species
<i>A. cilicicus</i>		Asia Minor; ref. 9.52
<i>A. louisae</i> (<i>subspinosus</i>)		Somalia; ref. 9.54
<i>A. minous</i> (<i>cahirinus</i>)		Crete
<i>A. russatus</i>	Golden spiny mouse	NE Egypt – Jordan, E Arabia
<i>A. spinosissimus</i>		Mozambique – Botswana
<i>A. subspinosus</i>		S Africa – Somalia, Sudan
<i>A. whitei</i>		Oman; ref. 9.53
<i>A. wilsoni</i>		Kenya, S Sudan, S Ethiopia



Cairo spiny mouse
(*Acomys cahirinus*)

Uranomys

U. ruddi Rudd's mouse Senegal – Kenya – Mozambique; savanna

Bandicota; (*Gunomys*); bandicoot-rats; SE Asia; scrub, cultivation, partly commensal.

B. bengalensis Lesser bandicoot-rat India – Burma, Sumatra, Java, Sri Lanka

B. indica Greater bandicoot-rat India – S China – Java, Sri Lanka, Taiwan

B. savilei Burma – Indochina

Nesokia

N. indica Short-tailed bandicoot-rat Egypt – NW India, Sinkiang; steppe, cultivation

Erythronesokia; ref. 9.55.

E. bunni S Iraq; marshes

Anisomys

A. imitator New Guinea giant rat (Squirrel-toothed rat) New Guinea; montane forest

Lenomys

L. meyeri (longicaudus) Sulawesi giant rat Sulawesi

Pogonomys; prehensile-tailed mice; New Guinea, etc.; forest; arboreal; ref. 9.56.

P. championi C New Guinea; montane; ref. 9.126

P. loriae (fergussoniensis) (mollipilosus) Soft-haired tree mouse (Prehensile-tailed rat) New Guinea, d'Entrecasteaux Is, N Queensland; montane

P. macrourus Long-tailed tree mouse New Guinea; lowland

P. sylvestris Grey-bellied tree mouse New Guinea; montane

Chiruomys; (*Pogonomys*); New Guinea etc.; forest; arboreal; ref. 9.56.

C. forbesi (shawmayeri) Greater tree mouse (Forbes' tree mouse) E New Guinea, etc.

C. lamia (kagi) Broad-skulled tree mouse SE New Guinea

C. vates Lesser tree mouse SE New Guinea; lowland

Chiropodomys; pencil-tailed tree mice; SE Asia; forest.

C. calamianensis Palawan, etc., Philippines

C. gliroides (pusillus) NE India – Java, Borneo

C. jingdongensis Yunnan, China; montane; ref. 9.57.

<i>C. karlkoopmani</i>		Siberut & N Pagai Is, Mentawai Is
<i>C. major</i>		Borneo
<i>C. muroides</i>		Borneo
<i>Mallomys</i> ; New Guinea; ref. 9.125		
<i>M. aroaensis</i>		E New Guinea
<i>M. gunung</i>		C New Guinea; high montane
<i>M. istapantap</i>		C New Guinea
<i>M. rothschildi</i>	Smooth-tailed giant rat (Black-eared giant rat)	New Guinea; montane
<i>Papagomys</i>		
<i>P. armandvillei</i>	Flores giant rat	Flores (Lesser Sunda Is)
<i>Komodomys</i>		
<i>K. rintjanus</i>	Komodo rat	Komodo Is, Indonesia; ref. 9.58
<i>Phloeomys</i> ; slender-tailed cloud rats; Luzon, Philippines; forest; ref. 9.112.		
<i>P. cumingi</i>		Luzon, Philippines
<i>P. pallidus</i>		Luzon, Philippines; (in <i>P. cumingi</i> ?)
<i>Crateromys</i> ; bushy-tailed cloud rats; Philippines; forest; ref. 9.59.		
<i>C. australis</i>		Dinagat I (Philippines); ref. 9.112
<i>C. paulus</i>		Ilin I, N Philippines; ? extinct
<i>C. schadenbergi</i>		Luzon, Philippines; montane forest
<i>Chrotomys</i> ; Philippine striped rats; Philippines; ref. 9.60.		
<i>C. mindorensis</i>	Mindoro striped rat	Mindoro, Luzon; lowland
<i>C. whiteheadi</i>	Luzon striped rat	Luzon, Philippines; montane
<i>Celaenomys</i>		
<i>C. silaceus</i>	Luzon shrew-rat	Luzon, Philippines; montane forest
<i>Crossomys</i>		
<i>C. moncktoni</i>	Earless water rat	E New Guinea; streams
<i>Xeromys</i>		
<i>X. myoides</i>	False swamp rat	N, NE Australia; swamps; K.

Hydromys; (*Baiyankamys*); beaver-rats; Australia, New Guinea, etc.; rivers; predators.

<i>H. chrysogaster</i>	Beaver-rat (Australian water rat)	Australia, Tasmania, New Guinea
<i>H. habbema</i>	Mountain water rat	W New Guinea
<i>H. hussoni</i>		W, C New Guinea; ref. 9.61
<i>H. neobritannicus</i>		New Britain



Beaver-rat
(*Hydromys chrysogaster*)

Parahydromys

<i>P. asper</i>	Coarse-haired hydromyine	New Guinea; montane forest
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Neohydromys

<i>N. fuscus</i>	Short-tailed shrew-mouse	NE New Guinea; high montane
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Leptomys

<i>L. elegans</i>	Long-footed hydromyine	New Guinea
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Paraleptomys; New Guinea; montane forest.

<i>P. rufilatus</i>	Red-sided hydromyine	N New Guinea
<i>P. wilhelmina</i>	Short-footed hydromyine (Short-haired hydromyine)	W New Guinea

Pseudohydromys; New Guinea; high montane forest.

<i>P. murinus</i>	Eastern shrew-mouse	NE New Guinea
<i>P. occidentalis</i>	Western shrew-mouse	W New Guinea

Microhydromys

<i>M. richardsoni</i>	Groove-toothed shrew- mouse	W New Guinea
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Mayermys

<i>M. ellermani</i>	One-toothed shrew-mouse	NE New Guinea; montane forest
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Rhynchomys; Luzon, Philippines; montane forest; ref. 9.62.

<i>R. isarogensis</i>	Isarog shrew-rat	Mt Isarog, Luzon
<i>R. soricooides</i>	Mount Data shrew-rat	Luzon

Family Gliridae (Muscardinidae)

Dormice; c. 20 species; Palearctic, Africa; mainly forest, eating seeds and buds.

Glis; (*Myoxus*).

<i>G. glis</i>	Fat dormouse (Edible dormouse)	Europe, Asia Minor; forest
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Japanese dormouse
(*Glirurus japonicus*)

Muscardinus

<i>M. avellanarius</i>	Hazel dormouse	Europe, Asia Minor
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Eliomys

<i>E. melanurus</i>		N Africa, Asia Minor – N Arabia
<i>E. quercinus</i>	Garden dormouse	Europe

Dryomys

<i>D. laniger</i>	Woolly dormouse	SW Asia Minor
<i>D. nitedula</i>	Forest dormouse	E Europe – Sinkiang

Glirurus

<i>G. japonicus</i>	Japanese dormouse	Japan, except Hokkaido
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Chaetocauda

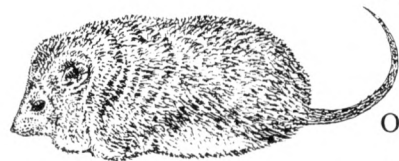
<i>C. sichuanensis</i>	Chinese dormouse	N Sichuan, China; ref. 9.82
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Myomimus; mouse-tailed dormice.

<i>M. personatus</i>		N Iran, etc.
<i>M. roachi</i>		Bulgaria, etc., ?† Asia Minor, etc.
<i>M. setzeri</i>		Iran

Graphiurus; (*Claviglis*); African dormice; Africa S of Sahara; forest, savanna; classification very provisional; ref. 9.121.

<i>G. christyi</i>		NE Zaire – Cameroun
<i>G. crassicaudatus</i>		Liberia – Cameroun
<i>G. hueti</i>		Guinea – Angola
<i>G. lorraineus</i>		Senegal – E Zaire
<i>G. monardi</i>		NW Zambia etc.
<i>G. murinus</i>	Woodland dormouse	Africa S of Sahara
<i>G. ocularis</i>	Spectacled dormouse	SW Africa
<i>G. parvus</i>	Lesser savanna dormouse	Sierra Leone – Somalia – Zimbabwe
<i>G. platyops</i>	Rock dormouse	Zimbabwe – S Zaire – Namibia



Desert dormouse
(*Selevinia betpakdalaensis*)

Family Seleviniidae

One species.

Selevinia

<i>S. betpakdalaensis</i>	Desert dormouse	SE Kazakhstan; desert
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Family Zapodidae

Jumping mice; c. 17 species; N Eurasia, N America; forest, grassland.

Sicista; birch mice; N Eurasia; forest, grassland.

<i>S. armenica</i>		Caucasus; ref. 9.63
<i>S. betulina</i>	Northern birch mouse	N, C Europe – E Siberia; forest
<i>S. caucasica</i>		Caucasus



Northern birch mouse
(*Sicista betulina*)

<i>S. concolor</i>	Chinese birch mouse	Altai, Kashmir, W China; montane
<i>S. kasbegica</i>		Caucasus; ref. 9.113
<i>S. kluchorica</i>		W Caucasus; ref. 9.113
<i>S. napaea</i>	Altai birch mouse	N Altai Mts
<i>S. pseudonapaea</i>		S Altai Mts
<i>S. severtzovi</i> (<i>subtilis</i>)		S Russia; ref. 9.113
<i>S. strandi</i>		S Russia, Caucasus; ref. 9.123
<i>S. subtilis</i>	Southern birch mouse	E Europe – L Baikal; grassland
<i>S. tianshanica</i>	Tien Shan birch mouse	Tien Shan Mts
Zapus ; American jumping mice; N America; wet grassland, forest-edge.		
<i>Z. hudsonius</i>	Meadow jumping mouse	Canada, N, C USA
<i>Z. princeps</i>	Western jumping mouse	W North America
<i>Z. trinotatus</i>	Pacific jumping mouse	W coast USA; I

Eozapus

<i>E. setchuanus</i>	Sichuan jumping mouse	W, SW China; montane forest
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Napaeozapus

<i>N. insignis</i>	Woodland jumping mouse	SE Canada, NE USA; forest
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Family Dipodidae

Jerboas; c. 30 species; C Asia – NW Africa; desert, steppe.

Dipus

<i>D. sagitta</i>	Northern three-toed jerboa	S European Russia – N Iran – China
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Paradipus

<i>P. ctenodactylus</i>	Comb-toed jerboa	SW Turkestan
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Jaculus

<i>J. blanfordi</i> (<i>turcmenicus</i>)	Blanford's jerboa	Turkmenia – W Pakistan
<i>J. jaculus</i> (<i>deserti</i>)	Lesser Egyptian jerboa	Sahara, Arabia; desert
<i>J. lichtensteini</i>	Lichtenstein's jerboa	Caspian Sea – L Balkhash
<i>J. orientalis</i>	Greater Egyptian jerboa	Morocco – Israel; semidesert

Stylodipus; Thick-tailed three-toed jerboas; ref. 9.114.

<i>S. andrewsi</i>		Mongolia
<i>S. sungorus</i>		W Mongolia
<i>S. telum</i>		Ukraine – Kazakhstan



Lesser Egyptian jerboa
(*Jaculus jaculus*)

Allactaga

<i>A. bobrinskii</i>	Bobrinski's jerboa	Kizil-kum, Kara-kum Deserts, Turkestan
<i>A. bullata</i>		S, W Mongolia, etc.
<i>A. elater</i>	Small five-toed jerboa	E Asia Minor – Baluchistan; dry steppe
<i>A. euphratica</i> (<i>williamsi</i>)	Euphrates jerboa	Jordan – Afghanistan; dry steppe
<i>A. frouzi</i>		Isfahan, Iran; ref. 9.80
<i>A. hotsoni</i>	Hotson's jerboa	Persian Baluchistan
<i>A. major</i>	Great jerboa	Ukraine – Tien Shan
<i>A. nataliae</i>		Mongolia; ref. 9.64
<i>A. severtzovi</i>	Severtzov's jerboa	Turkestan
<i>A. sibirica</i>	Mongolian five-toed jerboa	R Ural – Manchuria; steppe
<i>A. tetradactyla</i>	Four-toed jerba	Libya, Egypt; coastal gravel plains

Alactagulus

<i>A. pumilio</i> (<i>pygmaeus</i>)		R Don – Inner Mongolia, N Iran
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Pygeretmus; fat-tailed jerboas.

<i>P. platyurus</i> (<i>vinogradovi</i>)	Lesser fat-tailed jerboa	Kazakhstan
<i>P. shitkovi</i>	Greater fat-tailed jerboa	E Kazakhstan

Cardiocranius

<i>C. paradoxus</i>	Five-toed pygmy jerboa	Mongolia, etc.
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Salpingotus; (*Salpingotulus*); three-toed pygmy jerboas; Mongolia – Baluchistan; ref. 9.65.

<i>S. crassicauda</i>	Thick-tailed pygmy jerboa	S Mongolia, E Turkestan; desert
<i>S. heptneri</i>	Heptner's pygmy jerboa	Uzbekistan, S of Aral Sea
<i>S. kozlovi</i>	Koslov's pygmy jerboa	S Mongolia; desert
<i>S. michaelis</i>	Baluchistan pygmy jerboa	NW Baluchistan
<i>S. pallidus</i>		Kazakhstan

Euchoreutes

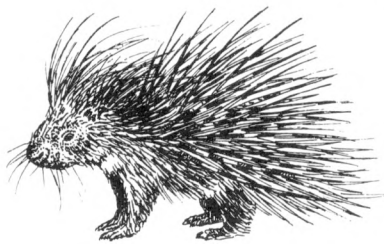
<i>E. naso</i>	Long-eared jerboa	W Sinkiang – Inner Mongolia; desert
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Family Hystricidae

Old-world porcupines; c. 11 species; Africa, S Asia; forest, savanna, steppe; ground vegetarians; ref. 9.66.

Hystrix; (*Acanthion*, *Thecurus*); short-tailed porcupines; Africa, S Asia, (S Europe); forest, savanna.

<i>H. africae australis</i>		S, SE Africa; savanna
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Crested porcupine
(*Hystrix cristata*)

<i>H. brachyura</i> (<i>hodgsoni</i>)		Nepal – E China – Malaya, Sumatra, Borneo; forest
<i>H. crassispinis</i>		Borneo
<i>H. cristata</i>	Crested porcupine	W, E, N Africa, (S Europe); savanna, etc.
<i>H. indica</i>		SW Asia – India, Sri Lanka; steppe, scrub
<i>H. javanica</i>		Java – Flores, [Sulawesi ?]; forest
<i>H. pumilis</i>		Palawan, Philippines
<i>H. sumatrae</i>		Sumatra

Atherurus; brush-tailed porcupines; Africa, SE Asia; forest.

<i>A. africanus</i>	African brush-tailed porcupine	W, C, E Africa
<i>A. macrourus</i>	Asiatic brush-tailed porcupine	Assam – Malaya

Trichys

<i>T. fasciculata</i> (<i>lipura</i>)	Long-tailed porcupine	Malaya, Sumatra, Borneo; forest
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Family Erethizontidae

New-world porcupines *c.* 10 species; N, C, S America; forest.

Erethizon

<i>E. dorsatum</i>	North American porcupine	Alaska – N Mexico; forest
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Coendou; (*Sphiggurus*); tree porcupines; Mexico – Bolivia; forest.

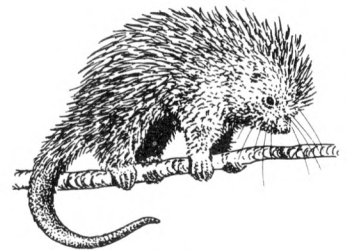
<i>C. bicolor</i> (<i>rothschildi</i>)		Bolivia – Panama
<i>C. insidiosus</i>		E, C Brazil
<i>C. mexicanus</i>	Mexican porcupine	S Mexico – W Panama
<i>C. prehensilis</i>		N Argentina, Brazil – Venezuela
<i>C. spinosus</i>		E Brazil – N Argentina
<i>C. vestitus</i> (<i>pruinus</i>)		Venezuela, Colombia
<i>C. villosus</i>		SE Brazil

Echinoprocta

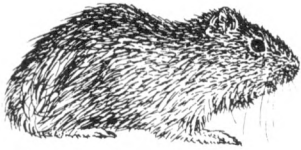
<i>E. rufescens</i>	Upper Amazonian porcupine	Colombia; forest
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Chaetomys

<i>C. subspinosus</i>	Thin-spined porcupine	E, N Brazil; scrub; I
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Tree porcupine
(*C. prehensilis*)



Guinea pig
(*Cavia tschudii*)

Family Caviidae

Guinea pigs, etc.; c. 16 species; S America.

Cavia; guinea pigs, cavies; Colombia – N Argentina; delimitation of species very provisional.

<i>C. anolaimae</i>		Colombia
<i>C. aperea</i>		N Argentina – E Brazil
<i>C. fulgida</i>		E Brazil
<i>C. guianae</i>		
<i>C. magna</i>		Surinam – Venezuela S Brazil, Uruguay; ref. 9.67
<i>C. nana</i>		W Bolivia
<i>C. tschudii</i>		Ecuador – N Argentina; probable ancestor of domestic Guinea pig, <i>C. porcellus</i>

Kerodon

<i>K. rupestris</i>	Rock cavy	NE Brazil
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Galea

<i>G. flavidens</i>		Brazil
<i>G. musteloides</i>		Peru – C Argentina
<i>G. spixii</i> (<i>wellsi</i>)		Brazil, E Bolivia

Microcavia

<i>M. australis</i>		Argentina
<i>M. niata</i>		Bolivia; montane
<i>M. shiptoni</i>		NW Argentina; montane

Dolichotis; (*Pediolagus*); maras (Patagonian cavies).

<i>D. patagonum</i>		Argentina
<i>D. salinicola</i>		NE Argentina, Paraguay, S Bolivia



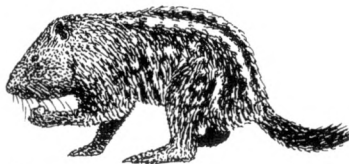
Capybara
(*Hydrochaerus hydrochaeris*)

Family Hydrochaeridae

One species.

Hydrochaerus

<i>H. hydrochaeris</i> (<i>isthmus</i>)	Capybara	E Argentina – Panama
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Pacarana
(*Dinomys branickii*)

Family Dinomyidae

One species.

Dinomys

<i>D. branickii</i>	Pacarana	Venezuela – Bolivia; forest; ref. 9.115
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Family Dasyproctidae

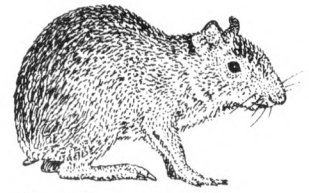
Pacas, agoutis; *c.* 14 species; Mexico – S Brazil; forest, savanna.

Agouti; (*Cuniculus*, *Coelogenys*, *Stictomys*).

A. paca

S Mexico – Surinam –
Paraguay, [Cuba]
Venezuela – Ecuador;
montane

A. taczanowskii



Agouti
(*Agouti paca*)

Dasyprocta; agoutis; C, S America; forest, savanna.

D. azarae

C Brazil – N Argentina

D. coibae

Coiba I, Panama

D. cristata

Surinam

D. fuliginosa

Grey agouti

Colombia, upper Amazon,
Surinam

D. guamara

Venezuela; swamp forest

D. kalinowskii

Peru

D. leporina

Brazilian agouti

Venezuela – E Brazil,
Lesser Antilles

(*albida*)

(*aguti*)

D. mexicana

Mexican agouti

Veracruz, S Mexico,
[Cuba]

D. punctata

S Mexico – N Argentina,

(*variegata*)

[Cuba]

D. ruatanica

Roatin I, Honduras

Myoprocta; acuchis; Amazon Basin; forest.

M. acouchy

Amazon Basin

(*pratti*)

M. exilis

Amazon Basin

Family Chinchillidae

Viscachas, chinchillas; *c.* 6 species; southern S America.

Lagostomus

L. maximus

Plains viscacha

Argentina; grassland

Lagidium; mountain viscachas; Peru – Patagonia; montane.

L. peruanum

Peru

L. viscacia

Bolivia – N Chile,
W Argentina

L. wolffsohni

S Chile, SW Argentina

Chinchilla; chinchillas.

C. brevicaudata

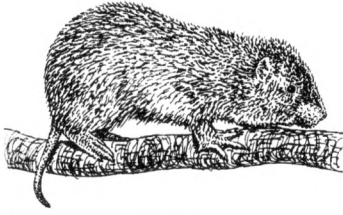
Peru – N Argentina; I

C. lanigera

Bolivia, Chile; montane
rocks; I



Chinchilla
(*Chinchilla laniger*)



Hispaniolan hutia
(*Plagiodontia aedium*)

Hutias, etc.; 14 species; West Indies; forest, (freshwater margins).

Capromys; (*Geocapromys*, *Mesocapromys*, *Mysateles*); Cuban hutias; Cuba, Jamaica, etc.

C. angelcabreræ

Cay Ana Maria, S Cuba;
ref. 9.68; E

C. arboricolus

Cuba; arboreal; ref. 9.69

C. auritus

Cay Frago, N Cuba; E

C. brownii

Brown's hutia

Jamaica, Swan I; I

C. garridoi

Canarreos Arch., Cuba; I

C. gundlachi

I de Juventud, Cuba;

ref. 9.116

C. ingrahami

Bahaman hutia

Plana Keys, Bahamas; R

C. melanurus

Bushy-tailed hutia

E Cuba; arboreal; I

C. meridionalis

I de Juventud,

Cuba; ref. 9.116

C. nanus

Dwarf hutia

Cuba; E

C. pilorides

Desmarest's hutia

Cuba

C. prehensilis

Prehensile-tailed hutia

Cuba; arboreal

C. sanfelipensis

Cay Juan Garcia, etc.,

W Cuba; E

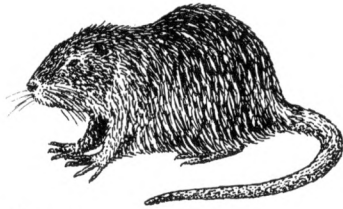
Plagiodontia

P. aedium

Hispaniolan hutia

Hispaniola; I

(*hylaëum*)



Coypu
(*Myocastor coypus*)

Family Myocastoridae

Myocastor

M. coypus

Coypu
(Nutria)

Chile, Argentina – Bolivia,
S Brazil; [Europe,
N Asia, E Africa]

Family Octodontidae

Degus, etc.; c. 9 species; southern S America; steppe, mainly montane.

Octodon; degus; Peru, Chile.

O. bridgesi

Chile

O. degus

W Peru, Chile

O. lunatus

Chile; coastal hills

Octodontomys

O. gliroides

Mountain degu

Bolivia, N Chile,
NW Argentina;
montane steppe

Spalacopus

S. cyanus

Coruro

Chile; montane

(*tabanus*)



Degu
(*Octodon degus*)

Aconaemys

- A. fuscus* Chilean rock rat SC Chile, W Argentina;
(*porteri*) forest; subterranean
A. sagei Patagonia; ref. 9.18

Octomys; (*Tympanoctomys*).

- O. barrerae* C Argentina
O. mimax Viscacha-rat W Argentina; montane

Family Ctenomyidae

Tuco-tucos; c. 38 species; Peru – Patagonia; subterranean; taxonomy very provisional.

Ctenomys

- C. argentinus* Chaco, Argentina; ref. 9.71
C. australis E Argentina; coastal
C. azarae C Argentina
C. boliviensis Bolivia, N Argentina
C. bonettoi Chaco, Argentina; ref. 9.70
C. brasiliensis E Brazil
C. colburni SW Argentina
C. conoveri Paraguay, N Argentina,
Bolivia
C. dorsalis Paraguay
C. emilianus WC Argentina
C. flamarioni S Brazil; ref. 9.72
C. frater NW Argentina, S Bolivia
C. fulvus W Argentina, N Chile
(*robustus*)
C. haigi Argentina; ref. 9.117
C. knighti W Argentina
C. latro N Argentina
C. leucodon Bolivia, Peru
C. lewisi S Bolivia
C. magellanicus Patagonia, Tierra del Fuego
C. maulinus Chile, Argentina
C. mendocinus C Argentina
(*haigi*)
C. minutus S Brazil, Uruguay,
N Argentina, Bolivia
C. nattereri C Brazil
C. occultus N Argentina
C. opimus N Argentina, S Bolivia
C. perrensis NE Argentina
C. peruanus S Peru
C. pontifex W Argentina
C. porteousi C, E Argentina
C. saltarius N Argentina
C. sericeus SW Argentina



Tuco-tuco
(*Ctenomys*)

<i>C. sociabilis</i>	WC Argentina; ref. 9.117
<i>C. steinbachi</i>	E Bolivia
<i>C. talarum</i>	E Argentina
<i>C. torquatus</i>	Uruguay, NE Argentina
<i>C. tuconax</i>	NW Argentina
<i>C. tucumanus</i>	N Argentina
<i>C. validus</i>	C Argentina; ref. 9.73



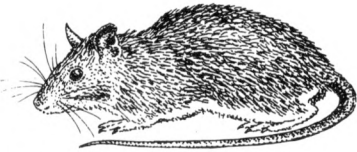
Chinchilla rat
(*Abrocoma bennetti*)

Family Abrocomidae

Chinchilla-rats; 2 species; Peru – N Chile; grassland, scrub.

Abrocoma

<i>A. bennetti</i>	Chile
<i>A. cinerea</i>	S Peru – N Chile, NW Argentina



Spiny rat
(*Proechimys setosus*)

Family Echimyidae

American spiny rats; c. 45 species; C, S America; forest; taxonomy very provisional; ref. 9.74.

Proechimys; terrestrial spiny rats; C, S America; mainly forest.

<i>P. albispinus</i>	E Brazil
<i>P. amphichoricus</i>	S Venezuela, etc.
<i>P. bolivianus</i>	Upper Amazon
<i>P. brevicauda</i>	E Peru, NW Brazil
<i>P. canicollis</i>	Colombia – Venezuela
<i>P. chrysaеolus</i>	E Colombia
<i>P. cuvieri</i>	Guianas – Peru
<i>P. decumanus</i>	NW Peru, SW Ecuador; Pacific lowlands
<i>P. dimidiatus</i>	SE Brazil
<i>P. goeldii</i>	Amazonian Brazil
<i>P. guairae</i>	N Venezuela
<i>P. gularis</i>	Upper Amazon
<i>P. guyannensis</i> (<i>warreni</i>)	Brazil – E Colombia, Guianas
<i>P. hoplomyoides</i>	SE Venezuela, etc.
<i>P. iheringi</i>	E Brazil
<i>P. longicaudatus</i>	SW Brazil, etc.
<i>P. magdalenae</i>	Colombia
<i>P. mincae</i>	N Colombia
<i>P. myosuros</i>	E Brazil
<i>P. oconnelli</i>	E Colombia
<i>P. oris</i>	C Brazil
<i>P. poliopus</i>	NW Venezuela, etc.
<i>P. quadruplicatus</i>	Ecuador
<i>P. semispinosus</i>	Honduras – Ecuador; Pacific coast only
<i>P. setosus</i>	E Brazil

Tomes' spiny rat

- P. simonsi*
(*hendeei*) Peru – Colombia
- P. steerei* Peru
- P. trinitatis* Trinidad
- P. urichi* N Venezuela
- Hoplomys**; doubtfully distinct from *Proechimys*.
- H. gymnurus* Armoured rat Honduras – Ecuador
- Euryzygomatomys**
- E. spinosus* Guira E, SE Brazil –
N Argentina
- Clyomys**
- C. bishopi* SE Brazil; ref. 9.76
- C. laticeps* E, C Brazil, Paraguay
- Carterodon**
- C. sulcidens* E Brazil
- Thrichomys**; (*Cercomys*).
- T. apereoides*
(*cunicularis*) NE Brazil – Paraguay,
Bolivia
- Mesomys**
- M. didelphoides* ? Brazil
- M. hispidus* Amazon Basin
- M. obscurus* ? Brazil
- M. stimulax* N Brazil, Surinam
- Lonchothrix**
- L. emiliae* Brazil S of Amazon
- Isothrix**; toros; N, C South America; river banks in forest; ref. 9.118.
- I. bistriatus*
(*villosus*) Amazon & Orinoco basins
- I. pagurus* C Amazon
- I. pictus* E Brazil
- Diplomys**; Panama – Ecuador; forest.
- D. caniceps* Colombia, Ecuador
- D. labilis* Gliding spiny rat Panama
- (*darlingi*)
- D. rufodorsalis* NE Colombia
- Echimyys**; (*Makalata*); arboreal spiny rats; S America; forest.
- E. armatus* Ecuador – Guianas,
Trinidad
- E. blainvillei* SE Brazil
- E. braziliensis* E Brazil
- E. chrysurus* NE Brazil, Surinam

<i>E. dasythrix</i>	SE, E Brazil
<i>E. grandis</i>	Amazon Basin
<i>E. macrurus</i>	Brazil S of Amazon
<i>E. nigrispinus</i>	E Brazil
<i>E. saturnus</i>	E Ecuador
<i>E. semivillosus</i>	Venezuela, Colombia
<i>E. unicolor</i>	? Brazil

Dactylomys; (*Lachnomys*); coro-coros; NW South America; forest; arboreal.

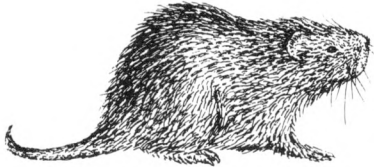
<i>D. boliviensis</i>	Bolivia, SE Peru
<i>D. dactylinus</i>	Colombia, Ecuador, Amazonian Brazil
<i>D. peruanus</i>	Peru; montane

Kannabateomys

<i>K. amblyonyx</i>	E Brazil – N Argentina
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Olallamys; (*Thrinacodus*); ref. 9.119.

<i>O. albicauda</i>	Colombia
<i>O. edax</i>	W Venezuela



Greater cane rat
(*Thryonomys swinderianus*)

Family Thryomyidae

Cane rats; c. 2 species; Africa S of Sahara; mainly marshes.

Thryonomys

<i>T. gregorianus</i>	Lesser cane rat	Cameroun – S Sudan – Zimbabwe
<i>T. swinderianus</i>	Greater cane rat	Africa S of Sahara



Dassie-rat
(*Petromus typicus*)

Family Petromuridae

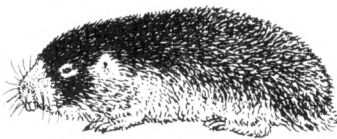
One species.

Petromus

<i>P. typicus</i>	Dassie-rat (African rock rat)	Namibia, S Angola
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Family Bathyergidae

African mole-rats; c. 11 species; Africa S of Sahara; desert, steppe, (forest); subterranean, feeding on roots, tubers, etc.



Cape mole-rat
(*Georychus capensis*)

Georychus

<i>G. capensis</i>	Cape mole-rat	S Africa; grassland, cultivation
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Cryptomys; ref. 9.91.

<i>C. damarensis</i>	Damara mole-rat	Botswana, W Zambia etc.
<i>C. hottentotus</i>	Common mole-rat	Cape Prov. – S Zimbabwe; ? Zaire, Tanzania
<i>C. mechowii</i>		S Zaire, Zambia, etc.

<i>C. natalensis</i>	Natal mole-rat	Natal, Transvaal
<i>C. ochraceocinereus</i>	Ochre mole-rat	Ghana – N Uganda

Heliophobius

<i>H. argenteocinereus</i>	Silvery mole-rat	Zaire, Kenya – Zambezi
<i>H. spalax</i>	Thomas' silvery mole-rat	S Kenya

Bathyergus; dune mole-rats; S Africa; desert.

<i>B. janetta</i>	Namaqua dune mole-rat	Namaqualand, S Africa
<i>B. suillus</i>	Cape dune mole-rat	SW Cape Province, South Africa

Heterocephalus

<i>H. glaber</i>	Naked mole-rat	Ethiopia, Somalia, Kenya; steppe
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Family Ctenodactylidae

Gundis; 5 species; Sahara, etc.; rocks in steppe and desert; herbivorous.

Ctenodactylus

<i>C. gundi</i>		Morocco – NW Libya
<i>C. vali</i>		S Morocco – Libya

Pectinator

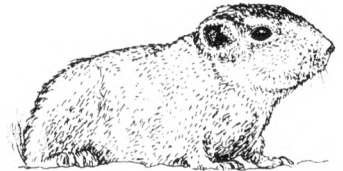
<i>P. spekei</i>		Somalia, Ethiopia; steppe
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Massoutiera

<i>M. mzabi</i>		C Sahara
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Felovia

<i>F. vae</i>		Senegal, Mauritania, Mali
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Gundi
(*Ctenodactylus gundi*)

ORDER LAGOMORPHA

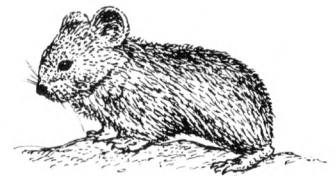
Lagomorphs; c. 65 species; Eurasia, Africa, N, C, (S) America; desert – forest; terrestrial herbivores.

Family Ochotonidae

Pikas; c. 19 species; N, C Asia, W N America; grassland, rocks, mainly montane; herbivores.

Ochotona

<i>O. alpina</i>		S Siberia, NE China, Hokkaido
<i>O. collaris</i>	Collared pika	W Canada, Alaska
<i>O. curzoniae</i>	Black-lipped pika	Tibetan Plateau
<i>O. daurica</i>	Daurian pika	Altai – NE China
<i>O. erythrotis</i>	Chinese red pika	E Tibet, Qinghai, etc.
<i>O. gaoligongensis</i>		NW Yunnan, China; ref. 10.5



American pika
(*Ochotona princeps*)

<i>O. hyperborea</i> (<i>alpina</i>)	Northern pika	NE Siberia
<i>O. iliensis</i>		Tien Shan, W China; ref. 10.6
<i>O. kamensis</i>	Kam pika	Kam, W Sichuan
<i>O. koslowi</i>	Kozlov's pika	N Tibet
<i>O. ladacensis</i>	Ladak pika	S Sinkiang, Kashmir; high montane
<i>O. pallasii</i>	Pallas's pika	Altai – Tien Shan
<i>O. princeps</i> (<i>alpina</i>)	American pika	Alaska – New Mexico
<i>O. pusilla</i>	Steppe pika	Volga – Irtysh; grassland
<i>O. roylei</i> (<i>nepalensis</i>) (<i>macrotis</i>)	Royle's pika (Large-eared pika)	N Burma – Himalayas – Tien Shan; high montane
<i>O. rufescens</i>	Afghan pika	Afghanistan, Iran, etc.
<i>O. rutila</i>	Turkestan red pika	Tien Shan – Pamirs; montane
<i>O. thibetana</i>	Moupin pika	W China, Tibet
<i>O. thomasi</i>	Thomas' pika	Qinghai, China

Family Leporidae

Rabbits, hares; c. 46 species; Eurasia, Africa, N, C, (S) America; (desert), steppe, savanna, (forest); terrestrial herbivores; ref. 10.1



Brown hare
(*Lepus europaeus*)

Pentalagus

P. furnessi Ryukyu rabbit Ryukyu Is.; E

Pronolagus; red rock rabbits, red hares; S, (E) Africa; savanna.

P. crassicaudatus Greater red rock rabbit E S Africa
P. randensis Jameson's red rock rabbit Zimbabwe – SW Africa
P. rupestris Smith's red rock rabbit S Africa – Kenya

Bunolagus; (*Lepus*).

B. monticularis Riverine rabbit Cape Province, S Africa; E
(Bushman hare)

Romerolagus

R. diazi Volcano rabbit Mountains SE of Mexico
(Zacatucho) City; E

Caprolagus

C. hispidus Hispid hare Nepal – Assam; E

Lepus; hares, jack rabbits; Eurasia, Africa, N America.

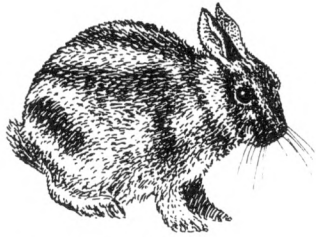
L. alleni Antelope jack rabbit NW Mexico, Arizona;
steppe, desert
L. americanus Snowshoe hare Canada, N, W USA; open
forest
L. arcticus American Arctic hare Arctic America, Greenland
(*timidus*)

<i>L. brachyurus</i>	Japanese hare	Japan (except Hokkaido)
<i>L. californicus</i> (<i>insularis</i>)	Black-tailed jack rabbit	C, SW USA, N Mexico; grassland, steppe
<i>L. callotis</i> (<i>mexicanus</i>)	White-sided jack rabbit	S Mexico – S New Mexico
<i>L. capensis</i> (<i>tolai</i>) (? <i>granatensis</i>)	Cape hare	Africa, S Europe – C China
<i>L. comus</i> (<i>oiostolus</i>)	Yunnan hare	Yunnan, Guizhou, China; ref. 10.4
<i>L. europaeus</i> (<i>capensis</i>) (? <i>castroviejoi</i>)	Brown hare	W Europe – Baikal; [SC Canada, NC USA, Argentina, Chile]
<i>L. fagani</i>		Ethiopia, Sudan, ? Kenya; scrub
<i>L. flavigularis</i>	Tehuantepec jack rabbit	Oaxaca, S Mexico; E
<i>L. habessinicus</i>	Abyssinian hare	Ethiopia, N Somalia, Sudan
<i>L. mandshuricus</i>	Manchurian hare	Manchuria, etc.; forest
<i>L. nigricollis</i>	Indian hare	India, etc., Sri Lanka, [Java]
<i>L. oiostolus</i>	Woolly hare	Tibetan Plateau
<i>L. peguensis</i> (<i>siamensis</i>)	Burmese hare	Burma – Indochina, Hainan
<i>L. saxatilis</i>	Scrub hare	S Africa, Namibia; ref. 10.7
<i>L. sinensis</i>	Chinese hare	S China, Korea, Taiwan
<i>L. starcki</i>		Ethiopia; montane
<i>L. timidus</i>	Arctic hare (Mountain hare)	N Eurasia, arctic; tundra, open forest
<i>L. townsendi</i>	White-tailed jack rabbit	C, W USA; grassland, steppe
<i>L. victoriae</i> (<i>crawshayi</i>) (<i>whytei</i>)	Savanna hare	Transvaal – Somalia – Senegal; savanna; ref. 10.7
<i>L. yarkandensis</i>	Yarkand hare	SW Sinkiang; steppe
<i>Poelagus</i>		
<i>P. marjorita</i>	Central African rabbit	Angola – Sudan; savanna
<i>Sylvilagus</i> ; cottontails, American rabbits; N, C, (S) America.		
<i>S. aquaticus</i>	Swamp rabbit	Texas – Georgia
<i>S. audubonii</i>	Desert cottontail	C, SW USA – C Mexico; desert, steppe
<i>S. bachmani</i>	Brush rabbit	W coast USA, Baja California; scrub
<i>S. brasiliensis</i>	Forest rabbit	NE Mexico – N Argentina; forest, scrub

<i>S. cunicularius</i>	Mexican cottontail	S Mexico
<i>S. dicei</i>		Costa Rica, W Panama
<i>S. floridanus</i>	Eastern cottontail	E, C USA – Costa Rica
<i>S. graysoni</i>	Tres Marias cottontail	Tres Marias Is, Mexico
<i>S. insonus</i>	Omilteme cottontail	Guerrero, Mexico; montane
<i>S. nuttalli</i>	Nuttall's cottontail	W USA; scrub, forest
<i>S. palustris</i>	Marsh rabbit	Florida – SE Virginia
<i>S. transitionalis</i>	New England cottontail	Appalachian Mts – S Maine

Oryctolagus

<i>O. cuniculus</i>	European rabbit	Iberia, NW Africa, [Europe, Australia, New Zealand, Chile]; grassland, open forest, cultivation; includes domestic rabbits
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Sumatran rabbit
(*Nesolagus netscheri*)

Brachylagus; (*Sylvilagus*); ref. 10.2.

<i>B. idahoensis</i>	Pygmy rabbit	Montana, Oregon, Idaho, etc.; steppe, scrub
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Nesolagus

<i>N. netscheri</i>	Sumatran rabbit	Sumatra; montane forest; I
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Rufous elephant-shrew
(*Elephantulus rufescens*)

ORDER MACROSCELIDEA

One family, sometimes included in order Insectivora.

Family Macroscelididae

Elephant-shrews; c. 15 species; Africa (except west); subdesert, steppe, savanna, forest; terrestrial; insectivores; ref. 10.3.

Macroscelides

<i>M. proboscideus</i>	Short-eared elephant-shrew	SW, S Africa; steppe
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Elephantulus; (*Nasilio*); small elephant-shrews; Africa; savanna – subdesert.

<i>E. brachyrhynchus</i>	Short-snouted elephant-shrew	E, S Africa
<i>E. edwardii</i>	Cape elephant-shrew	S Africa
<i>E. fuscipes</i>	Uganda elephant-shrew	Uganda, etc.
<i>E. fuscus</i>	Zambesi elephant-shrew (Peters' short-snouted elephant-shrew)	Lower Zambezi
<i>E. intufi</i>	Bushveld elephant-shrew	Namibia, etc.
<i>E. myurus</i>	Transvaal elephant-shrew	Zimbabwe – Cape Prov.
<i>E. revoilii</i>	Somalia elephant-shrew	Somalia
<i>E. rozeti</i>	North-African elephant-shrew	NW Africa

<i>E. rufescens</i>	Rufous elephant-shrew	E Africa
<i>E. rupestris</i>	Rock elephant-shrew	SW, S Africa
<i>Petrodromus</i>		
<i>P. tetradactylus</i> (<i>sultani</i>) (<i>tordayi</i>)	Four-toed elephant-shrew	E, SE, C Africa; savanna
<i>Rhynchocyon</i> ; (<i>Rhinonax</i>); forest elephant-shrews; E, C Africa; forest.		
<i>R. chrysopygus</i>	Yellow-rumped elephant-shrew	Kenya coast
<i>R. cirnei</i> (<i>stuhmanni</i>)	Chequered elephant-shrew	E, C Africa
<i>R. petersi</i>	Black and rufous elephant-shrew	SE Kenya, E Tanzania coast

Bibliographies

These bibliographies are arranged in three groups: general works on the diversity and classification of mammals; regional works, which are usually the best guides to identification; and works on particular groups of mammals. The first two are arranged in chronological order beginning with the most recent. The numbered taxonomic sources are arranged in a sequence corresponding to the main text and include all items referred to by number in the text. These include the original description of all species newly described in the last five years, along with the sources for classifications that do not follow those found in the general and regional works listed below.

General Works

- IUCN 1988. *1988 IUCN red list of threatened animals*. Gland: IUCN, 154 pp.
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A World List of Mammalian Species

Corbet
&
Hill

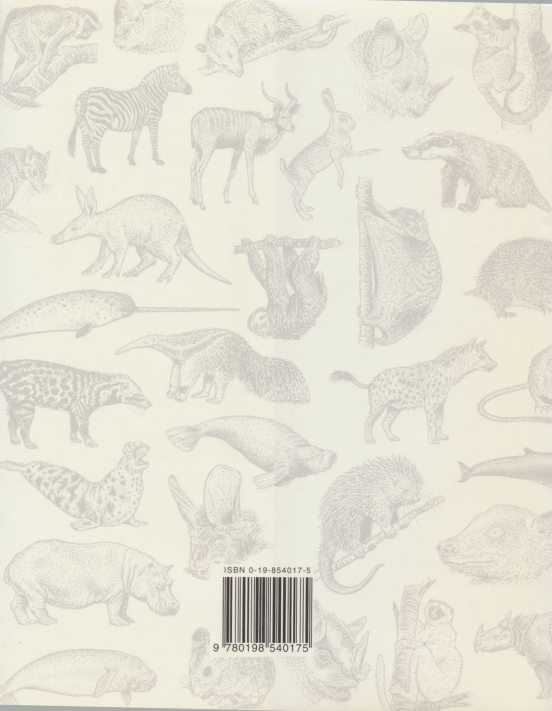


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