

**Table S4.** Data for mainland Chinese mammals present and absent in Holoc

<b>Order</b>	<b>Family</b>	<b>Genus</b>	<b>Species</b>
Proboscidea	Elephantidae	Elephas	maximus
Scandentia	Tupaidae	Tupaia	belangeri
Primates	Lorisidae	Nycticebus	bengalensis
Primates	Lorisidae	Nycticebus	pygmaeus
Primates	Cercopithecidae	Macaca	arctoides
Primates	Cercopithecidae	Macaca	assamensis
Primates	Cercopithecidae	Macaca	leonina
Primates	Cercopithecidae	Macaca	mulatta
Primates	Cercopithecidae	Macaca	thibetana
Primates	Cercopithecidae	Rhinopithecus	avunculus
Primates	Cercopithecidae	Rhinopithecus	bieti
Primates	Cercopithecidae	Rhinopithecus	brelichi
Primates	Cercopithecidae	Rhinopithecus	roxellana
Primates	Cercopithecidae	Rhinopithecus	strykeri
Primates	Cercopithecidae	Semnopithecus	schistaceus
Primates	Cercopithecidae	Trachypithecus	barbei
Primates	Cercopithecidae	Trachypithecus	francoisi
Primates	Cercopithecidae	Trachypithecus	phayrei
Primates	Cercopithecidae	Trachypithecus	poliocephalus
Primates	Cercopithecidae	Trachypithecus	shortridgei
Primates	Hylobatidae	Hoolock	tianxing
Primates	Hylobatidae	Hylobates	lar
Primates	Hylobatidae	Nomascus	concolor
Primates	Hylobatidae	Nomascus	leucogenys
Primates	Hylobatidae	Nomascus	nasutus
Primates	Hylobatidae	Junzi	imperialis
Rodentia	Sciuridae	Ratufa	bicolor
Rodentia	Sciuridae	Aeretes	melanopterus
Rodentia	Sciuridae	Belomys	pearsonii
Rodentia	Sciuridae	Eupetaurus	cinereus
Rodentia	Sciuridae	Hylopetes	alboniger
Rodentia	Sciuridae	Hylopetes	phayrei
Rodentia	Sciuridae	Petaurista	alborufus
Rodentia	Sciuridae	Petaurista	caniceps
Rodentia	Sciuridae	Petaurista	elegans
Rodentia	Sciuridae	Petaurista	magnificus
Rodentia	Sciuridae	Petaurista	petaurista
Rodentia	Sciuridae	Petaurista	philippensis
Rodentia	Sciuridae	Petaurista	xanthotis
Rodentia	Sciuridae	Pteromys	volans
Rodentia	Sciuridae	Sciurus	vulgaris

Rodentia	Sciuridae	Trogopterus	xanthipes
Rodentia	Sciuridae	Callosciurus	erythraeus
Rodentia	Sciuridae	Callosciurus	inornatus
Rodentia	Sciuridae	Callosciurus	phayrei
Rodentia	Sciuridae	Callosciurus	pygerythrus
Rodentia	Sciuridae	Callosciurus	quinquestriatus
Rodentia	Sciuridae	Dremomys	gularis
Rodentia	Sciuridae	Dremomys	lokriah
Rodentia	Sciuridae	Dremomys	pernyi
Rodentia	Sciuridae	Dremomys	pyrrhomerus
Rodentia	Sciuridae	Dremomys	rufigenis
Rodentia	Sciuridae	Menetes	berdmorei
Rodentia	Sciuridae	Tamiops	maritimus
Rodentia	Sciuridae	Tamiops	macclellandi
Rodentia	Sciuridae	Tamiops	swinhoei
Rodentia	Sciuridae	Marmota	baibacina
Rodentia	Sciuridae	Marmota	caudata
Rodentia	Sciuridae	Marmota	himalayana
Rodentia	Sciuridae	Marmota	sibirica
Rodentia	Sciuridae	Sciurotamias	davidianus
Rodentia	Sciuridae	Sciurotamias	forresti
Rodentia	Sciuridae	Spermophilus	alashanicus
Rodentia	Sciuridae	Spermophilus	brevicauda
Rodentia	Sciuridae	Spermophilus	dauricus
Rodentia	Sciuridae	Spermophilus	pallidicauda
Rodentia	Sciuridae	Spermophilus	ralli
Rodentia	Sciuridae	Spermophilus	undulatus
Rodentia	Sciuridae	Tamias	sibiricus
Rodentia	Gliridae	Chaetocauda	sichuanensis
Rodentia	Gliridae	Dryomys	nitedula
Rodentia	Castoridae	Castor	fiber
Rodentia	Dipodidae	Allactaga	balikunica
Rodentia	Dipodidae	Allactaga	bullata
Rodentia	Dipodidae	Allactaga	elater
Rodentia	Dipodidae	Allactaga	major
Rodentia	Dipodidae	Allactaga	sibirica
Rodentia	Dipodidae	Pygeretmus	pumilio
Rodentia	Dipodidae	Cardiocranium	paradoxus
Rodentia	Dipodidae	Salpingotus	crassicauda
Rodentia	Dipodidae	Salpingotus	kozlovi
Rodentia	Dipodidae	Dipus	sagitta
Rodentia	Dipodidae	Stylodipus	andrewsi
Rodentia	Dipodidae	Stylodipus	telum
Rodentia	Dipodidae	Euchoreutes	naso

Rodentia	Dipodidae	Sicista	caudata
Rodentia	Dipodidae	Sicista	concolor
Rodentia	Dipodidae	Sicista	subtilis
Rodentia	Dipodidae	Sicista	tianshanica
Rodentia	Dipodidae	Eozapus	setchuanus
Rodentia	Platacanthomyidae	Typhlomys	cinereus
Rodentia	Spalacidae	Eospalax	fontanierii
Rodentia	Spalacidae	Eospalax	rothschildi
Rodentia	Spalacidae	Eospalax	smithii
Rodentia	Spalacidae	Myospalax	aspalax
Rodentia	Spalacidae	Myospalax	psilurus
Rodentia	Spalacidae	Cannomys	badius
Rodentia	Spalacidae	Rhizomys	pruinus
Rodentia	Spalacidae	Rhizomys	sinensis
Rodentia	Spalacidae	Rhizomys	sumatrensis
Rodentia	Cricetidae	Alticola	argentatus
Rodentia	Cricetidae	Alticola	barakshin
Rodentia	Cricetidae	Alticola	macrotis
Rodentia	Cricetidae	Alticola	semicanus
Rodentia	Cricetidae	Alticola	stoliczkanus
Rodentia	Cricetidae	Alticola	strelzowi
Rodentia	Cricetidae	Arvicola	amphibius
Rodentia	Cricetidae	Caryomys	eva
Rodentia	Cricetidae	Caryomys	inez
Rodentia	Cricetidae	Ellobius	tancrei
Rodentia	Cricetidae	Eolagurus	luteus
Rodentia	Cricetidae	Eolagurus	przewalskii
Rodentia	Cricetidae	Eothenomys	cachinus
Rodentia	Cricetidae	Eothenomys	chinensis
Rodentia	Cricetidae	Eothenomys	custos
Rodentia	Cricetidae	Eothenomys	melanogaster
Rodentia	Cricetidae	Eothenomys	miletus
Rodentia	Cricetidae	Eothenomys	olitor
Rodentia	Cricetidae	Eothenomys	proditor
Rodentia	Cricetidae	Eothenomys	wardi
Rodentia	Cricetidae	Lagurus	lagurus
Rodentia	Cricetidae	Lasiopodomys	brandtii
Rodentia	Cricetidae	Lasiopodomys	fuscus
Rodentia	Cricetidae	Lasiopodomys	mandarinus
Rodentia	Cricetidae	Microtus	agrestis
Rodentia	Cricetidae	Microtus	arvalis
Rodentia	Cricetidae	Microtus	clarkei
Rodentia	Cricetidae	Microtus	fortis
Rodentia	Cricetidae	Microtus	gregalis

Rodentia	Cricetidae	Microtus	ilaeus
Rodentia	Cricetidae	Microtus	limnophilus
Rodentia	Cricetidae	Microtus	maximowiczii
Rodentia	Cricetidae	Microtus	mongolicus
Rodentia	Cricetidae	Microtus	oeconomus
Rodentia	Cricetidae	Microtus	socialis
Rodentia	Cricetidae	Myodes	centralis
Rodentia	Cricetidae	Myodes	rufocanus
Rodentia	Cricetidae	Myodes	rutilus
Rodentia	Cricetidae	Myodes	shanseius
Rodentia	Cricetidae	Myopus	schisticolor
Rodentia	Cricetidae	Neodon	forresti
Rodentia	Cricetidae	Neodon	irene
Rodentia	Cricetidae	Neodon	juldaschi
Rodentia	Cricetidae	Neodon	sikimensis
Rodentia	Cricetidae	Phaiomys	leucurus
Rodentia	Cricetidae	Proedromys	bedfordi
Rodentia	Cricetidae	Volemys	millicens
Rodentia	Cricetidae	Volemys	musseri
Rodentia	Cricetidae	Allocricetulus	curtatus
Rodentia	Cricetidae	Allocricetulus	eversmanni
Rodentia	Cricetidae	Cansumys	canus
Rodentia	Cricetidae	Cricetulus	alticola
Rodentia	Cricetidae	Cricetulus	barabensis
Rodentia	Cricetidae	Cricetulus	kamensis
Rodentia	Cricetidae	Cricetulus	lama
Rodentia	Cricetidae	Cricetulus	longicaudatus
Rodentia	Cricetidae	Cricetulus	migratorius
Rodentia	Cricetidae	Cricetulus	sokolovi
Rodentia	Cricetidae	Cricetulus	tibetanus
Rodentia	Cricetidae	Cricetus	cricetus
Rodentia	Cricetidae	Phodopus	campbelli
Rodentia	Cricetidae	Phodopus	roborovskii
Rodentia	Cricetidae	Tscherskia	triton
Rodentia	Muridae	Brachiones	przewalskii
Rodentia	Muridae	Meriones	chengi
Rodentia	Muridae	Meriones	libycus
Rodentia	Muridae	Meriones	meridianus
Rodentia	Muridae	Meriones	tamariscinus
Rodentia	Muridae	Meriones	unguiculatus
Rodentia	Muridae	Rhombomys	opimus
Rodentia	Muridae	Apodemus	agrarius
Rodentia	Muridae	Apodemus	chevrieri
Rodentia	Muridae	Apodemus	draco

Rodentia	Muridae	Apodemus	latronum
Rodentia	Muridae	Apodemus	pallipes
Rodentia	Muridae	Apodemus	peninsulae
Rodentia	Muridae	Apodemus	uralensis
Rodentia	Muridae	Bandicota	indica
Rodentia	Muridae	Berylmys	berdmorei
Rodentia	Muridae	Berylmys	bowersi
Rodentia	Muridae	Berylmys	mackenziei
Rodentia	Muridae	Berylmys	manipulus
Rodentia	Muridae	Chiromyscus	chiropus
Rodentia	Muridae	Chiropodomys	gliroides
Rodentia	Muridae	Dacnomys	millardi
Rodentia	Muridae	Hadromys	yunnanensis
Rodentia	Muridae	Hapalomys	delacouri
Rodentia	Muridae	Leopoldamys	edwardsi
Rodentia	Muridae	Maxomys	surifer
Rodentia	Muridae	Micromys	minutus
Rodentia	Muridae	Mus	caroli
Rodentia	Muridae	Mus	cervicolor
Rodentia	Muridae	Mus	cookii
Rodentia	Muridae	Mus	pahari
Rodentia	Muridae	Nesokia	indica
Rodentia	Muridae	Niviventer	andersoni
Rodentia	Muridae	Niviventer	brahma
Rodentia	Muridae	Niviventer	confucianus
Rodentia	Muridae	Niviventer	eha
Rodentia	Muridae	Niviventer	excelsior
Rodentia	Muridae	Niviventer	fulvescens
Rodentia	Muridae	Niviventer	langbianis
Rodentia	Muridae	Rattus	andamanensis
Rodentia	Muridae	Rattus	losea
Rodentia	Muridae	Rattus	nitidus
Rodentia	Muridae	Rattus	norvegicus
Rodentia	Muridae	Rattus	pyctoris
Rodentia	Muridae	Rattus	tanezumi
Rodentia	Muridae	Vandeleuria	oleracea
Rodentia	Muridae	Vernaya	fulva
Rodentia	Hystricidae	Atherurus	macrourus
Rodentia	Hystricidae	Hystrix	brachyura
Lagomorpha	Ochotonidae	Ochotona	alpina
Lagomorpha	Ochotonidae	Ochotona	argentata
Lagomorpha	Ochotonidae	Ochotona	cansus
Lagomorpha	Ochotonidae	Ochotona	curzoniae
Lagomorpha	Ochotonidae	Ochotona	daurica

Lagomorpha	Ochotonidae	Ochotona	erythrotis
Lagomorpha	Ochotonidae	Ochotona	forresti
Lagomorpha	Ochotonidae	Ochotona	gloveri
Lagomorpha	Ochotonidae	Ochotona	himalayana
Lagomorpha	Ochotonidae	Ochotona	huangensis
Lagomorpha	Ochotonidae	Ochotona	hyperborea
Lagomorpha	Ochotonidae	Ochotona	iliensis
Lagomorpha	Ochotonidae	Ochotona	koslowi
Lagomorpha	Ochotonidae	Ochotona	ladacensis
Lagomorpha	Ochotonidae	Ochotona	macrotis
Lagomorpha	Ochotonidae	Ochotona	muliensis
Lagomorpha	Ochotonidae	Ochotona	nubrica
Lagomorpha	Ochotonidae	Ochotona	pallasi
Lagomorpha	Ochotonidae	Ochotona	roylei
Lagomorpha	Ochotonidae	Ochotona	rutila
Lagomorpha	Ochotonidae	Ochotona	thibetana
Lagomorpha	Ochotonidae	Ochotona	thomasi
Lagomorpha	Leporidae	Lepus	comus
Lagomorpha	Leporidae	Lepus	coreanus
Lagomorpha	Leporidae	Lepus	mandshuricus
Lagomorpha	Leporidae	Lepus	oiostolus
Lagomorpha	Leporidae	Lepus	sinensis
Lagomorpha	Leporidae	Lepus	tibetanus
Lagomorpha	Leporidae	Lepus	timidus
Lagomorpha	Leporidae	Lepus	tolai
Lagomorpha	Leporidae	Lepus	yarkandensis
Erinaceomorpha	Erinaceidae	Erinaceus	amurensis
Erinaceomorpha	Erinaceidae	Hemiechinus	auritus
Erinaceomorpha	Erinaceidae	Mesechinus	dauuricus
Erinaceomorpha	Erinaceidae	Mesechinus	hughi
Erinaceomorpha	Erinaceidae	Hylomys	suillus
Erinaceomorpha	Erinaceidae	Neotetracus	sinensis
Soricomorpha	Soricidae	Crocidura	attenuata
Soricomorpha	Soricidae	Crocidura	fuliginosa
Soricomorpha	Soricidae	Crocidura	gmelini
Soricomorpha	Soricidae	Crocidura	indochinensis
Soricomorpha	Soricidae	Crocidura	lasiura
Soricomorpha	Soricidae	Crocidura	rapax
Soricomorpha	Soricidae	Crocidura	shantungensis
Soricomorpha	Soricidae	Crocidura	sibirica
Soricomorpha	Soricidae	Crocidura	vorax
Soricomorpha	Soricidae	Suncus	etruscus
Soricomorpha	Soricidae	Suncus	murinus
Soricomorpha	Soricidae	Anourosorex	squamipes

Soricomorpha	Soricidae	Blarinella	griselda
Soricomorpha	Soricidae	Blarinella	quadraticauda
Soricomorpha	Soricidae	Blarinella	wardi
Soricomorpha	Soricidae	Chimarroale	himalayica
Soricomorpha	Soricidae	Chimarroale	styani
Soricomorpha	Soricidae	Chodsigoa	hypsibia
Soricomorpha	Soricidae	Chodsigoa	lamula
Soricomorpha	Soricidae	Chodsigoa	parca
Soricomorpha	Soricidae	Chodsigoa	parva
Soricomorpha	Soricidae	Chodsigoa	salenskii
Soricomorpha	Soricidae	Chodsigoa	smithii
Soricomorpha	Soricidae	Episoriculus	caudatus
Soricomorpha	Soricidae	Episoriculus	leucops
Soricomorpha	Soricidae	Episoriculus	macrurus
Soricomorpha	Soricidae	Nectogale	elegans
Soricomorpha	Soricidae	Neomys	fodiens
Soricomorpha	Soricidae	Sorex	asper
Soricomorpha	Soricidae	Sorex	bedfordiae
Soricomorpha	Soricidae	Sorex	caecutiens
Soricomorpha	Soricidae	Sorex	cansulus
Soricomorpha	Soricidae	Sorex	cylindricauda
Soricomorpha	Soricidae	Sorex	daphaenodon
Soricomorpha	Soricidae	Sorex	excelsus
Soricomorpha	Soricidae	Sorex	gracillimus
Soricomorpha	Soricidae	Sorex	isodon
Soricomorpha	Soricidae	Sorex	minutissimus
Soricomorpha	Soricidae	Sorex	minutus
Soricomorpha	Soricidae	Sorex	mirabilis
Soricomorpha	Soricidae	Sorex	planiceps
Soricomorpha	Soricidae	Sorex	roboratus
Soricomorpha	Soricidae	Sorex	sinalis
Soricomorpha	Soricidae	Sorex	thibetanus
Soricomorpha	Soricidae	Sorex	tundrensis
Soricomorpha	Soricidae	Sorex	unguiculatus
Soricomorpha	Soricidae	Soriculus	nigrescens
Soricomorpha	Talpidae	Scapanulus	oweni
Soricomorpha	Talpidae	Euroscaptor	grandis
Soricomorpha	Talpidae	Euroscaptor	klossi
Soricomorpha	Talpidae	Euroscaptor	longirostris
Soricomorpha	Talpidae	Euroscaptor	micrura
Soricomorpha	Talpidae	Euroscaptor	parvidens
Soricomorpha	Talpidae	Mogera	insularis
Soricomorpha	Talpidae	Mogera	robusta
Soricomorpha	Talpidae	Parascaptor	leucura

Soricomorpha	Talpidae	Scaptochirus	moschatus
Soricomorpha	Talpidae	Scaptonyx	fusicaudus
Soricomorpha	Talpidae	Uropsilus	andersoni
Soricomorpha	Talpidae	Uropsilus	gracilis
Soricomorpha	Talpidae	Uropsilus	investigator
Soricomorpha	Talpidae	Uropsilus	soricipes
Chiroptera	Pteropodidae	Cynopterus	brachyotis
Chiroptera	Pteropodidae	Cynopterus	sphinx
Chiroptera	Pteropodidae	Eonycteris	spelaea
Chiroptera	Pteropodidae	Macroglossus	sobrinus
Chiroptera	Pteropodidae	Pteropus	giganteus
Chiroptera	Pteropodidae	Pteropus	lylei
Chiroptera	Pteropodidae	Pteropus	vampyrus
Chiroptera	Pteropodidae	Rousettus	amplexicaudatus
Chiroptera	Pteropodidae	Rousettus	leschenaulti
Chiroptera	Pteropodidae	Sphaerias	blanfordi
Chiroptera	Rhinolophidae	Rhinolophus	affinis
Chiroptera	Rhinolophidae	Rhinolophus	cornutus
Chiroptera	Rhinolophidae	Rhinolophus	ferrumequinum
Chiroptera	Rhinolophidae	Rhinolophus	luctus
Chiroptera	Rhinolophidae	Rhinolophus	macrotis
Chiroptera	Rhinolophidae	Rhinolophus	osgoodi
Chiroptera	Rhinolophidae	Rhinolophus	paradoxolophus
Chiroptera	Rhinolophidae	Rhinolophus	pearsonii
Chiroptera	Rhinolophidae	Rhinolophus	pusillus
Chiroptera	Rhinolophidae	Rhinolophus	rex
Chiroptera	Rhinolophidae	Rhinolophus	rouxii
Chiroptera	Rhinolophidae	Rhinolophus	shortridgei
Chiroptera	Rhinolophidae	Rhinolophus	siamensis
Chiroptera	Rhinolophidae	Rhinolophus	sinicus
Chiroptera	Rhinolophidae	Rhinolophus	subbadius
Chiroptera	Rhinolophidae	Rhinolophus	thomasi
Chiroptera	Rhinolophidae	Rhinolophus	trifoliatus
Chiroptera	Rhinolophidae	Rhinolophus	yunanensis
Chiroptera	Hipposideridae	Aselliscus	stoliczkanus
Chiroptera	Hipposideridae	Coelops	frithi
Chiroptera	Hipposideridae	Hipposideros	armiger
Chiroptera	Hipposideridae	Hipposideros	fulvus
Chiroptera	Hipposideridae	Hipposideros	grandis
Chiroptera	Hipposideridae	Hipposideros	larvatus
Chiroptera	Hipposideridae	Hipposideros	lylei
Chiroptera	Hipposideridae	Hipposideros	pomona
Chiroptera	Hipposideridae	Hipposideros	pratti
Chiroptera	Hipposideridae	Hipposideros	turpis



Chiroptera	Megadermatidae	Megaderma	lyra
Chiroptera	Emballonuridae	Taphozous	melanopogon
Chiroptera	Emballonuridae	Taphozous	theobaldi
Chiroptera	Molossidae	Chaerephon	plicata
Chiroptera	Molossidae	Tadarida	insignis
Chiroptera	Molossidae	Tadarida	latouchei
Chiroptera	Vespertilionidae	Arielulus	circumdatus
Chiroptera	Vespertilionidae	Barbastella	leucomelas
Chiroptera	Vespertilionidae	Eptesicus	gobiensis
Chiroptera	Vespertilionidae	Eptesicus	nilssoni
Chiroptera	Vespertilionidae	Eptesicus	pachyotis
Chiroptera	Vespertilionidae	Eptesicus	serotinus
Chiroptera	Vespertilionidae	Falsistrellus	affinis
Chiroptera	Vespertilionidae	Falsistrellus	mordax
Chiroptera	Vespertilionidae	Hypsugo	alaschanicus
Chiroptera	Vespertilionidae	Hypsugo	pulveratus
Chiroptera	Vespertilionidae	Hypsugo	savii
Chiroptera	Vespertilionidae	la	io
Chiroptera	Vespertilionidae	Nyctalus	aviator
Chiroptera	Vespertilionidae	Nyctalus	noctula
Chiroptera	Vespertilionidae	Nyctalus	plancyi
Chiroptera	Vespertilionidae	Pipistrellus	abramus
Chiroptera	Vespertilionidae	Pipistrellus	ceylonicus
Chiroptera	Vespertilionidae	Pipistrellus	coromandra
Chiroptera	Vespertilionidae	Pipistrellus	javanicus
Chiroptera	Vespertilionidae	Pipistrellus	kuhlii
Chiroptera	Vespertilionidae	Pipistrellus	paterculus
Chiroptera	Vespertilionidae	Pipistrellus	pipistrellus
Chiroptera	Vespertilionidae	Pipistrellus	tenuis
Chiroptera	Vespertilionidae	Plecotus	auritus
Chiroptera	Vespertilionidae	Plecotus	austriacus
Chiroptera	Vespertilionidae	Scotomanes	ornatus
Chiroptera	Vespertilionidae	Scotophilus	heathi
Chiroptera	Vespertilionidae	Scotophilus	kuhlii
Chiroptera	Vespertilionidae	Tylonycteris	pachypus
Chiroptera	Vespertilionidae	Tylonycteris	robustula
Chiroptera	Vespertilionidae	Vespertilio	murinus
Chiroptera	Vespertilionidae	Vespertilio	sinensis
Chiroptera	Vespertilionidae	Myotis	altarium
Chiroptera	Vespertilionidae	Myotis	annectans
Chiroptera	Vespertilionidae	Myotis	blythii
Chiroptera	Vespertilionidae	Myotis	bombinus
Chiroptera	Vespertilionidae	Myotis	brandti
Chiroptera	Vespertilionidae	Myotis	chinensis

Chiroptera	Vespertilionidae	Myotis	dasycneme
Chiroptera	Vespertilionidae	Myotis	daubentoni
Chiroptera	Vespertilionidae	Myotis	dauidii
Chiroptera	Vespertilionidae	Myotis	fimbriatus
Chiroptera	Vespertilionidae	Myotis	formosus
Chiroptera	Vespertilionidae	Myotis	frater
Chiroptera	Vespertilionidae	Myotis	horsfieldii
Chiroptera	Vespertilionidae	Myotis	ikonnikovi
Chiroptera	Vespertilionidae	Myotis	laniger
Chiroptera	Vespertilionidae	Myotis	longipes
Chiroptera	Vespertilionidae	Myotis	montivagus
Chiroptera	Vespertilionidae	Myotis	muricola
Chiroptera	Vespertilionidae	Myotis	nipalensis
Chiroptera	Vespertilionidae	Myotis	pequinius
Chiroptera	Vespertilionidae	Myotis	pilosus
Chiroptera	Vespertilionidae	Myotis	siligorensis
Chiroptera	Vespertilionidae	Miniopterus	magnater
Chiroptera	Vespertilionidae	Miniopterus	pusillus
Chiroptera	Vespertilionidae	Miniopterus	schreibersi
Chiroptera	Vespertilionidae	Harpiocephalus	harpia
Chiroptera	Vespertilionidae	Murina	aurata
Chiroptera	Vespertilionidae	Murina	cyclotis
Chiroptera	Vespertilionidae	Murina	fusca
Chiroptera	Vespertilionidae	Murina	hilgendorfi
Chiroptera	Vespertilionidae	Murina	huttoni
Chiroptera	Vespertilionidae	Murina	leucogaster
Chiroptera	Vespertilionidae	Murina	ussuriensis
Chiroptera	Vespertilionidae	Kerivoula	hardwickei
Chiroptera	Vespertilionidae	Kerivoula	picta
Pholidota	Manidae	Manis	crassicaudata
Pholidota	Manidae	Manis	pentadactyla
Carnivora	Felidae	Catopuma	temminckii
Carnivora	Felidae	Felis	bieti
Carnivora	Felidae	Felis	chaus
Carnivora	Felidae	Felis	manul
Carnivora	Felidae	Felis	silvestris
Carnivora	Felidae	Lynx	lynx
Carnivora	Felidae	Pardofelis	marmorata
Carnivora	Felidae	Prionailurus	bengalensis
Carnivora	Felidae	Neofelis	nebulosa
Carnivora	Felidae	Panthera	pardus
Carnivora	Felidae	Panthera	tigris
Carnivora	Felidae	Uncia	uncia
Carnivora	Viverridae	Chrotogale	owstoni

Carnivora	Viverridae	Arctictis	binturong
Carnivora	Viverridae	Arctogalidia	trivirgata
Carnivora	Viverridae	Paguma	larvata
Carnivora	Viverridae	Paradoxurus	hermaphroditus
Carnivora	Viverridae	Prionodon	pardicolor
Carnivora	Viverridae	Viverra	megaspila
Carnivora	Viverridae	Viverra	zibetha
Carnivora	Viverridae	Viverricula	indica
Carnivora	Herpestidae	Herpestes	javanicus
Carnivora	Herpestidae	Herpestes	urva
Carnivora	Canidae	Canis	lupus
Carnivora	Canidae	Cuon	alpinus
Carnivora	Canidae	Nyctereutes	procyonoides
Carnivora	Canidae	Vulpes	corsac
Carnivora	Canidae	Vulpes	ferrilata
Carnivora	Canidae	Vulpes	vulpes
Carnivora	Ursidae	Ailuropoda	melanoleuca
Carnivora	Ursidae	Helarctos	malayanus
Carnivora	Ursidae	Ursus	arctos
Carnivora	Ursidae	Ursus	thibetanus
Carnivora	Mustelidae	Aonyx	cinerea
Carnivora	Mustelidae	Lutra	lutra
Carnivora	Mustelidae	Lutrogale	perspicillata
Carnivora	Mustelidae	Arctonyx	collaris
Carnivora	Mustelidae	Gulo	gulo
Carnivora	Mustelidae	Martes	flavigula
Carnivora	Mustelidae	Martes	foina
Carnivora	Mustelidae	Martes	zibellina
Carnivora	Mustelidae	Meles	leucurus
Carnivora	Mustelidae	Melogale	moschata
Carnivora	Mustelidae	Melogale	personata
Carnivora	Mustelidae	Mustela	altaica
Carnivora	Mustelidae	Mustela	erminea
Carnivora	Mustelidae	Mustela	eversmannii
Carnivora	Mustelidae	Mustela	kathiah
Carnivora	Mustelidae	Mustela	nivalis
Carnivora	Mustelidae	Mustela	sibirica
Carnivora	Mustelidae	Mustela	strigidorsa
Carnivora	Mustelidae	Vormela	peregrina
Carnivora	Ailuridae	Ailurus	fulgens
Perissodactyla	Equidae	Equus	ferus
Perissodactyla	Equidae	Equus	hemionus
Perissodactyla	Equidae	Equus	kiang
Perissodactyla	Equidae	Equus	yunnanensis

Perissodactyla	Rhinocerotidae	Dicerorhinus	sumatrensis
Perissodactyla	Rhinocerotidae	Rhinoceros	sondaicus
Perissodactyla	Tapiridae	Tapirus	indicus
Artiodactyla	Suidae	Sus	scrofa
Artiodactyla	Camelidae	Camelus	bactrianus
Artiodactyla	Tragulidae	Tragulus	javanicus
Artiodactyla	Moschidae	Moschus	anhuiensis
Artiodactyla	Moschidae	Moschus	berezovskii
Artiodactyla	Moschidae	Moschus	chrysogaster
Artiodactyla	Moschidae	Moschus	fuscus
Artiodactyla	Moschidae	Moschus	leucogaster
Artiodactyla	Moschidae	Moschus	moschiferus
Artiodactyla	Cervidae	Alces	alces
Artiodactyla	Cervidae	Alces	americanus
Artiodactyla	Cervidae	Capreolus	pygargus
Artiodactyla	Cervidae	Rangifer	tarandus
Artiodactyla	Cervidae	Axis	porcinus
Artiodactyla	Cervidae	Cervus	elaphus
Artiodactyla	Cervidae	Cervus	nippon
Artiodactyla	Cervidae	Elaphodus	cephalophus
Artiodactyla	Cervidae	Elaphurus	dauidianus
Artiodactyla	Cervidae	Muntiacus	crinifrons
Artiodactyla	Cervidae	Muntiacus	gongshanensis
Artiodactyla	Cervidae	Muntiacus	mntjak
Artiodactyla	Cervidae	Muntiacus	reevesi
Artiodactyla	Cervidae	Muntiacus	gigas
Artiodactyla	Cervidae	Przewalskium	albirostris
Artiodactyla	Cervidae	Rucervus	eldii
Artiodactyla	Cervidae	Rusa	unicolor
Artiodactyla	Cervidae	Hydropotes	inermis
Artiodactyla	Bovidae	Gazella	subgutturosa
Artiodactyla	Bovidae	Procapra	gutturosa
Artiodactyla	Bovidae	Procapra	picticaudata
Artiodactyla	Bovidae	Procapra	przewalskii
Artiodactyla	Bovidae	Saiga	tatarica
Artiodactyla	Bovidae	Bos	gaurus
Artiodactyla	Bovidae	Bos	grunniens
Artiodactyla	Bovidae	Bubalus	mephistopheles
Artiodactyla	Bovidae	Budorcas	taxicolor
Artiodactyla	Bovidae	Capra	sibirica
Artiodactyla	Bovidae	Capricornis	milneedwardsii
Artiodactyla	Bovidae	Capricornis	thar
Artiodactyla	Bovidae	Hemitragus	jemlahicus
Artiodactyla	Bovidae	Naemorhedus	baileyi

Artiodactyla	Bovidae	Naemorhedus	caudatus
Artiodactyla	Bovidae	Naemorhedus	goral
Artiodactyla	Bovidae	Naemorhedus	griseus
Artiodactyla	Bovidae	Ovis	ammon
Artiodactyla	Bovidae	Pantholops	hodgsonii
Artiodactyla	Bovidae	Pseudois	nayaur
Artiodactyla	Bovidae	Pseudois	schaeferi

ene sites.

Matched species in phylogeny (if different)	Mean body mass	Holocene range (km2)
	3440	2,072,355
	0.1475	
Nycticebus coucang	1.5	
	0.525	
	6	
	8.5	
Macaca nemestrina	12.5	
	7.5	2,937,921
	17.5	
Pygathrix avunculus	9.12	
Pygathrix bieti	14.5	
Pygathrix brelichi	11.5	
Pygathrix roxellana	11.75	
Pygathrix nemaus	11.25	
Semnopithecus entellus	15.75	
Trachypithecus obscurus	7.5	
	9.25	
	7.5	
Trachypithecus francoisi	7.75	
Trachypithecus pileatus	10.5	
Hylobates hoolock	7.25	
	5.45	
Hylobates concolor	7.5	
Hylobates leucogenys	6.8	
Hylobates concolor	7.5	
Hylobates syndactylus	NA	
	1.8	
	NA	
	0.156	
	2.5	
	0.25538	
	0.22699	
	1.50195	
Petaurista elegans	1.15	
	1.04	
	1.35	
	2.048	
	1.67583	
	0.95	
	0.1025	
	0.34	

	NA
Random assignment to other Callosciurus sp.	0.35
	0.325
	0.3175
	0.265
	0.2865
Dremomys pyrrhomerus	0.18893
	0.195
	0.1925
	0.245
	0.2725
	0.213
	0.06677
	0.039
	0.0785
	5.375
	4.35
	6.6075
	5
	0.26
	0.26
	0.208
Spermophilus erythrogegens	0.2895
	0.209
Spermophilus erythrogegens	0.3532
Spermophilus relictus	0.3475
	0.415
	0.09
Dryomys sichuanensis	0.03
	0.0485
	23.5
	0.0725
	0.0865
	0.0585
	0.35
	0.111
	0.046
	0.0095
	0.012
	0.0095
	0.0865
	0.06
	0.08
	0.031

	0.008	
	0.0065	
	0.0125	
	0.0115	
	0.0175	
	0.0235	
Myospalax fontanierii	0.385	1,231,580
Myospalax rothschildi	0.302	
Myospalax smithii	0.32	
	0.3235	
	0.2925	
	0.275	
	2	
	1.9125	2,013,597
	3.075	
	0.0325	
	0.0355	
	0.038	
	0.04675	
	0.03014	
	0.04999	
Arvicola terrestris	0.2	
Eothenomys eva	0.0215	
Eothenomys inez	0.022	
	0.059	
	0.026	
	0.1	
Eothenomys melanogaster	0.01959	
	0.0475	
	0.0285	
	0.01959	
Eothenomys melanogaster	0.041	
	0.014	
	0.027	
Eothenomys chinensis	0.0305	
	0.0206	
	0.0695	
	0.044	
	0.034	
	0.03587	
	0.0269	
Volemys clarkei	0.0412	
	0.0765	
	0.043	



Microtus kirgisorum	0.055
	0.0445
	0.06
	0.0265
	0.0331
	0.048
Clethrionomys centralis	0.02875
Clethrionomys rufocanus	0.03643
Clethrionomys rutilus	0.01994
Eothenomys shanseius	0.02575
	0.02999
Microtus irene	NA
Microtus irene	0.0305
Microtus juldaschi	0.027
Microtus sikimensis	0.038
Microtus leucurus	0.038
	NA
	NA
	NA
	0.05
	0.048
	0.0905
	0.035
	0.0275
	0.03
Cricetulus kamensis	0.0315
	0.0325
	0.0445
	0.03059
Cricetulus kamensis	0.03
	0.3575
	23
	0.015
	0.1665
	0.027
	0.0896
	0.1055
	0.045
	0.12
	0.05775
	0.222
	0.0335
	0.0284
	0.0284

Apodemus wardi	0.0284	
	0.0284	
	0.023	
	0.01826	
	0.75	
	0.1765	
	0.35868	
	0.265	
	0.043	
	NA	
Hadromys humei	0.0265	
	0.3	
	0.059	
	0.07	
	0.355	
	0.16	
	0.006	
	0.0155	
	0.01275	
	0.01975	
0.0225		
Rattus sikkimensis	0.17	
	0.1325	
	0.0825	
	0.0835	
	0.04225	
	0.0397	
	0.0975	
	0.078	
	0.14	
	0.056	
0.125		
Rattus turkestanicus	0.365	
	0.15	
	0.14084	
	0.01	
	NA	
Ochotona pallasi	3	
	14	2,433,237
	0.293	
	0.206	
	0.0745	
	0.1625	
	0.13	

	0.268
	0.129
	0.22
	0.1475
Ochotona thibetana	0.08
	0.156
	0.2335
	0.165
	0.239
	0.166
	0.235
	0.1155
	0.214
	0.155
	0.27
	0.104
	0.0775
	2.15
	1.7
	2
	3.125
	1.4815
Lepus capensis	2.0625
	2.42
	2.15
	1.5
	0.8
	0.39
	0.5
	0.431
	0.05761
Hylomys sinensis	0.037
	0.009
	0.013
Crocidura suaveolens	0.0135
Crocidura horsfieldii	0.0135
	0.0334
Crocidura gueldenstaedtii	0.0135
Crocidura suaveolens	0.0072
	0.073
Crocidura russula	0.0135
	0.0025
	0.04376
	0.02

Blarinella quadraticauda	0.008
	0.0125
	0.0125
	0.0395
	0.0416
Soriculus hypsibius	0.00549
Soriculus lamula	0.00549
Soriculus parca	0.00825
Soriculus lamula	0.00549
Soriculus salenskii	0.00549
Soriculus smithii	0.00549
Soriculus caudatus	0.00695
Soriculus leucops	0.00695
Soriculus macrurus	0.00695
	0.03882
	0.017
	0.0085
Random assignment to other Sorex sp.	0.0072
	0.0063
Sorex caecutiens	0.0072
Random assignment to other Sorex sp.	0.0072
	0.0081
	0.0075
	0.0044
	0.01223
	0.00215
	0.00432
	0.0125
Sorex minutus	0.0072
	0.01299
Sorex isodon	0.0072
Sorex minutus	0.0072
	0.0075
	0.008
	0.0215
	NA
	0.0428
	0.05485
	0.0428
	0.058
	0.0545
	0.05725
	0.1116
	0.04155

	NA
	0.012
	0.0093
	0.016
	0.016
	0.016
	0.03387
	0.04471
	0.0587
	0.0218
	0.82485
	0.31975
	1.02754
	0.07437
	0.08488
	0.02888
	0.0137
	0.00727
	0.02259
	0.03407
	0.00618
	0.0114
	0.00817
	0.01155
	0.00515
	0.0114
	0.01225
Rhinolophus lepidus	0.0114
Rhinolophus macrotis	0.0114
Rhinolophus rouxii	0.0114
	0.0114
	0.00826
	0.01516
	0.01933
	0.00609
	0.00752
	0.04999
	0.0085
Hipposideros larvatus	0.0218
	0.01995
	0.04
	0.0062
	0.0218
	0.03331

	0.03927
	0.02599
	0.03683
	0.02183
Tadarida teniotis	0.0259
Tadarida teniotis	0.0259
Pipistrellus circumdatus	0.0104
	0.01505
Eptesicus bobrinskoi	0.0126
	0.01072
	0.0081
	0.02309
Pipistrellus affinis	0.0228
Pipistrellus mordax	0.0228
Pipistrellus savii	0.0054
Pipistrellus pulveratus	0.00553
Pipistrellus savii	0.0063
	0.0493
	0.029
	0.02848
Nyctalus noctula	0.029
Pipistrellus nathusii	0.00587
	0.0095
	0.00459
	0.00492
	0.00607
	0.0059
	0.0045
	0.002
	0.00819
	0.00675
	0.02224
	0.03613
	0.02031
	0.0041
	0.00798
	0.01542
Vespertilio superans	0.0243
	0.011
	0.00975
	0.02382
	0.0098
	0.0053
	0.04199

	0.01516	
	0.00763	
Myotis mystacinus	0.0098	
Myotis macrodactylus	0.0098	
	0.00707	
	0.00754	
	0.00605	
Myotis daubentoni	0.0098	
	0.0098	
	0.0098	
	0.0083	
Myotis mystacinus	0.0048	
	0.0098	
Myotis ricketti	0.0098	
	0.0098	
	0.00293	
	0.01414	
	0.00895	
	0.01146	
	0.01365	
	0.0065	
	0.00935	
Murina leucogaster	0.0065	
	0.0065	
	0.00756	
	0.00754	
	0.0065	
	0.00455	
	0.0045	
	7.1	
	4.7	
	12.5	
	7.25	
	7	
Otocolobus manul	3.4	
	5.5	
	28	
	4.25	
	3.25	4,708,612
	24	
	63.5	2,981,579
	198	3,091,975
	56.5	
	2.9	

	11.5	
	2.25	
	5	3,084,952
	3.2	
	6.05	
	8.5	
	6.3	
	2.8	2,596,039
	0.9	
	1.65	
	34	8,721,246
	15	5,676,234
	4.5	4,664,834
	2.3	
	4.2	
	5.3	9,327,084
	105	749,840
	45	
	175	5,317,488
	147	3,152,699
Amblonyx cinereus	3	
	5.75	3,892,243
	8.5	
	11.1	3,676,360
	10.25	
	1.8	
	1.2	
	0.75	
Meles meles	6.25	6,245,111
	1.05	
	1.25	
	0.18	
	0.085	
	0.829	
	0.209	
	0.049	
	0.85	
	0.8215	
	0.535	
	3.75	
Equus caballus	275	1,500,557
	230	
	325	
Equus onager	306.826	



	1046.156	1,903,944 [combined ra
	1750	
	311.209	
	125	6,554,098
	565	
	3.5	
Moschus berezovskii	8.4	
	7.5	
	11.3	
	8	
Moschus chrysogaster	13.5	
	10	
	362.5	
Alces alces	435	
	30	4,157,171
	181.5	
	43	
	157.5	4,816,709
	95	2,919,625
	21.5	
	175	963,240
	24.75	
	20	
	28.5	1,388,769
	13.5	2,217,096
Random assignment to other Muntiacus sp.	36.691	
Cervus albirostris	161.682	
Cervus eldii	82	
Cervus unicolor	222.5	2,617,933
	15.5	1,744,491
	35.5	
	35	
	14.5	
	24.5	
	47.5	
Bos frontalis	1075	
	563.5	
Bubalus bubalis	405.65	1,527,357
	425	
	65	
Naemorhedus sumatraensis	130	2,104,840
Naemorhedus sumatraensis	112.5	
	79	
	25	

	37
	38.5
Naemorhedus caudatus	27 2,213,673 [combined ra
	137.5
	33
	52.5
	41

**Number of sites**

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