

Figure4

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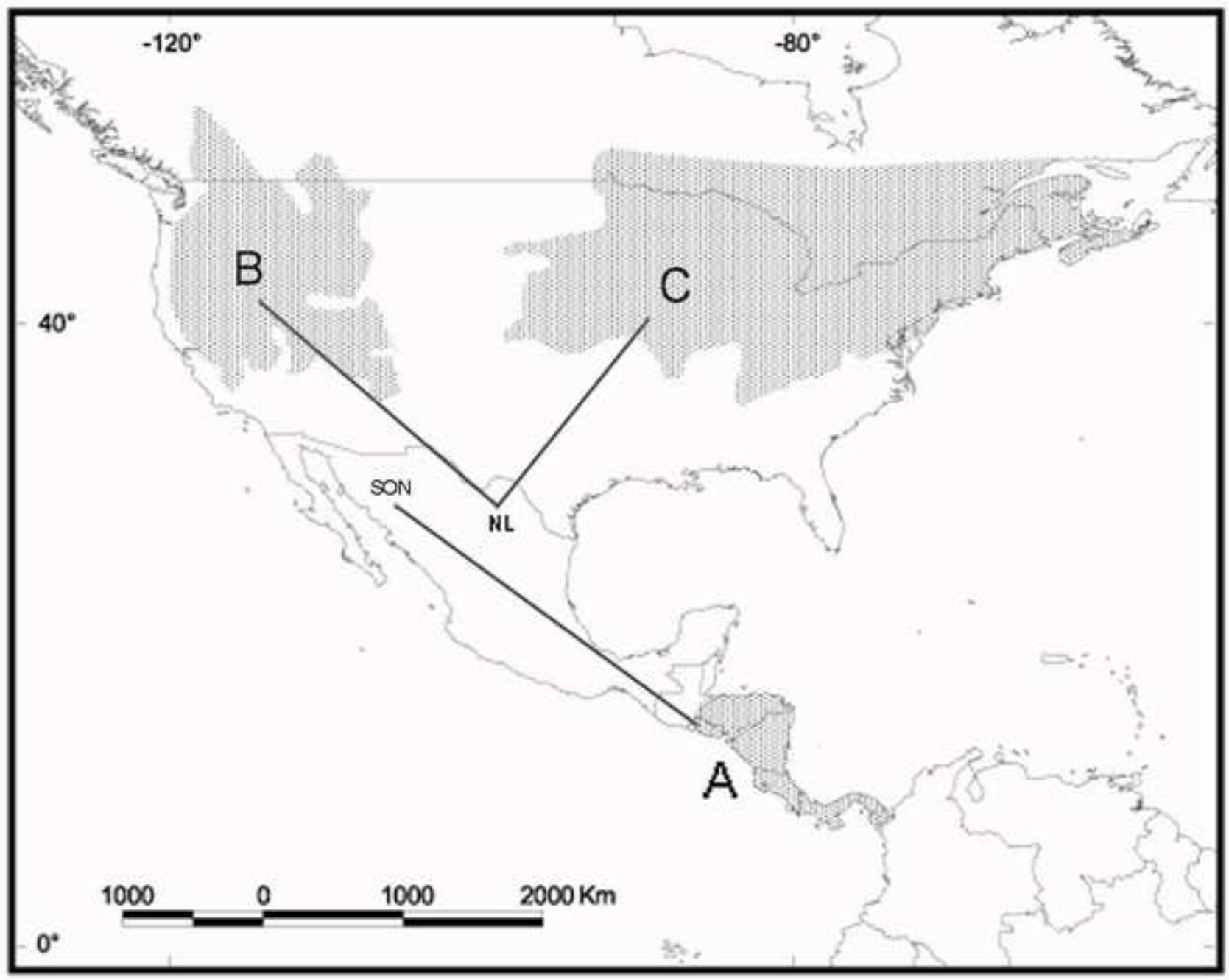


Figure5

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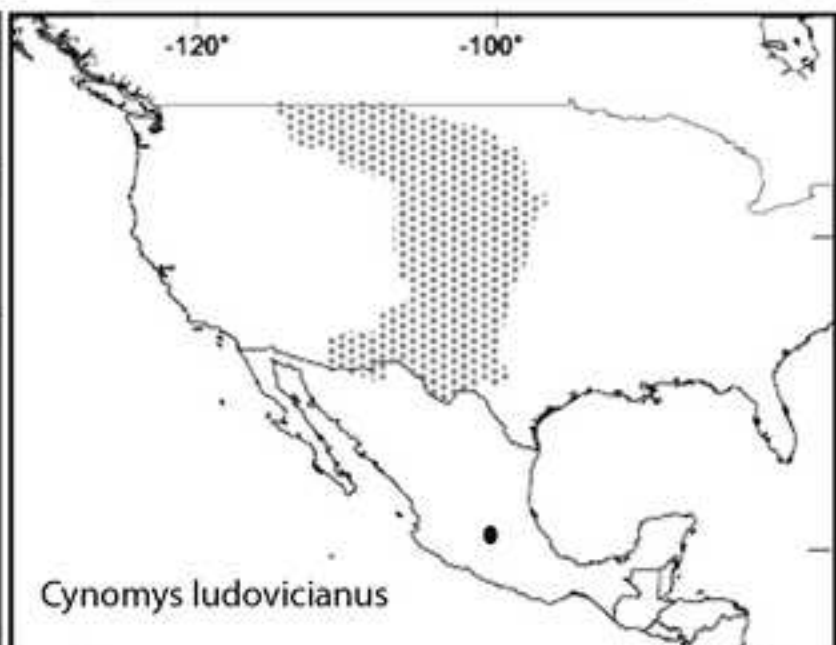
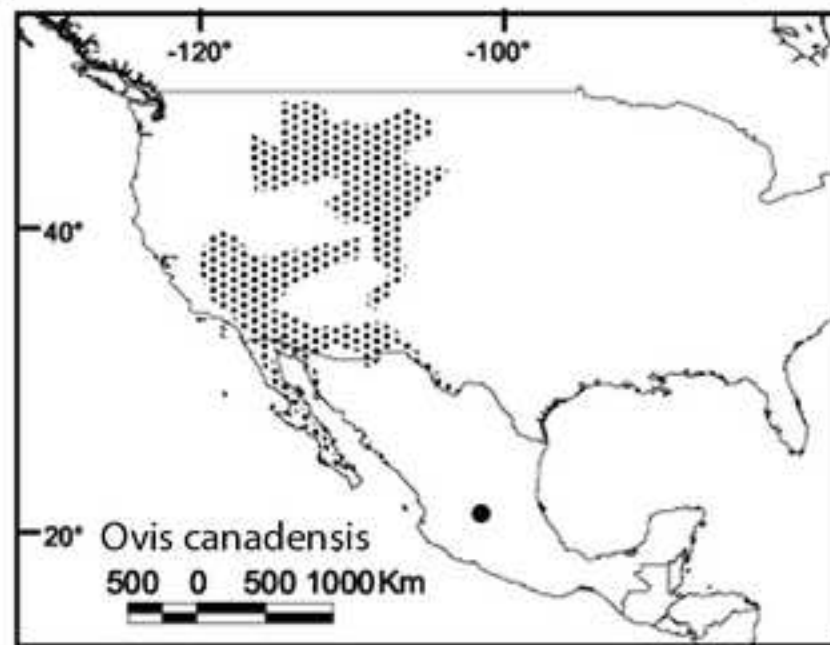
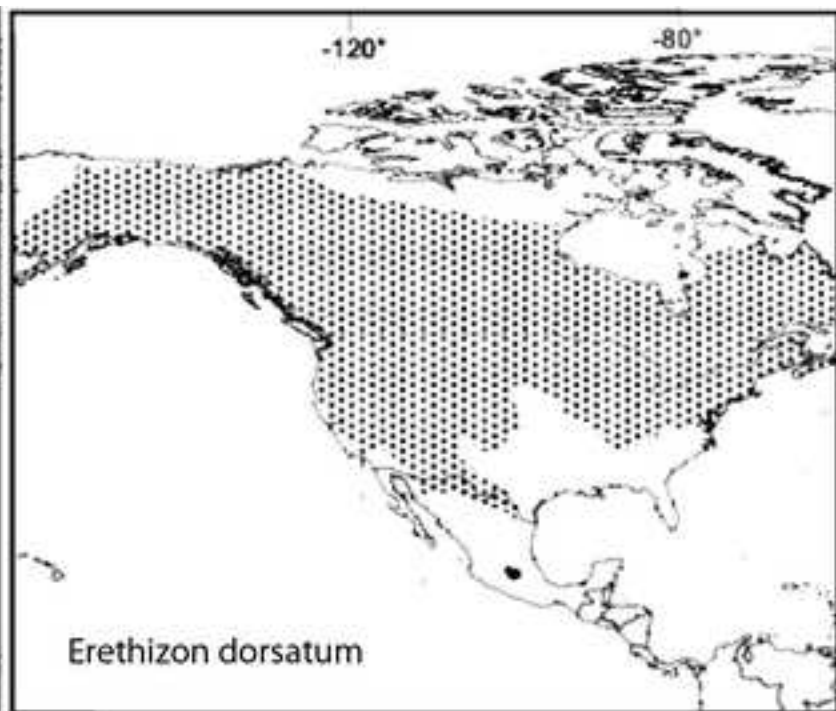
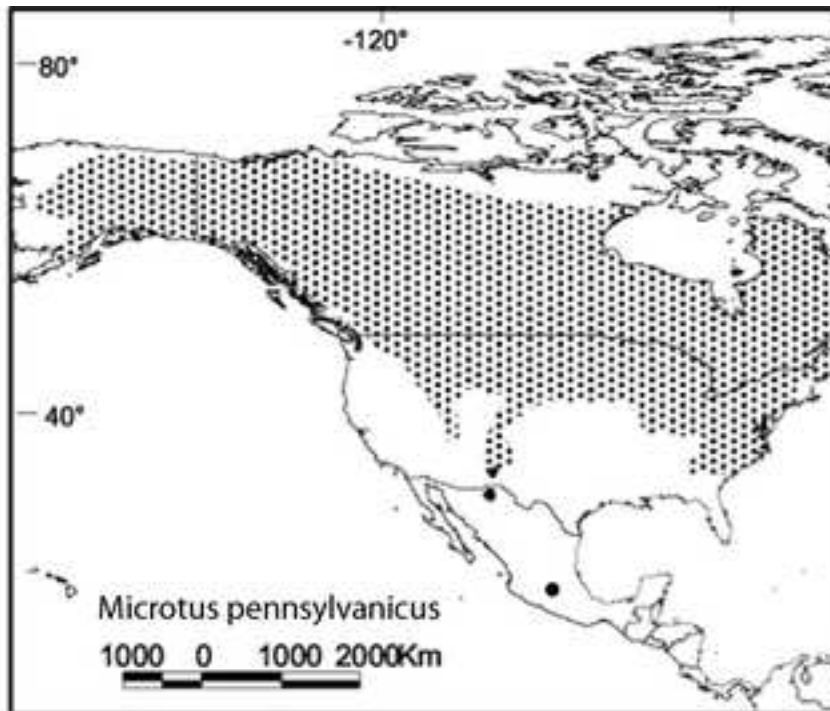
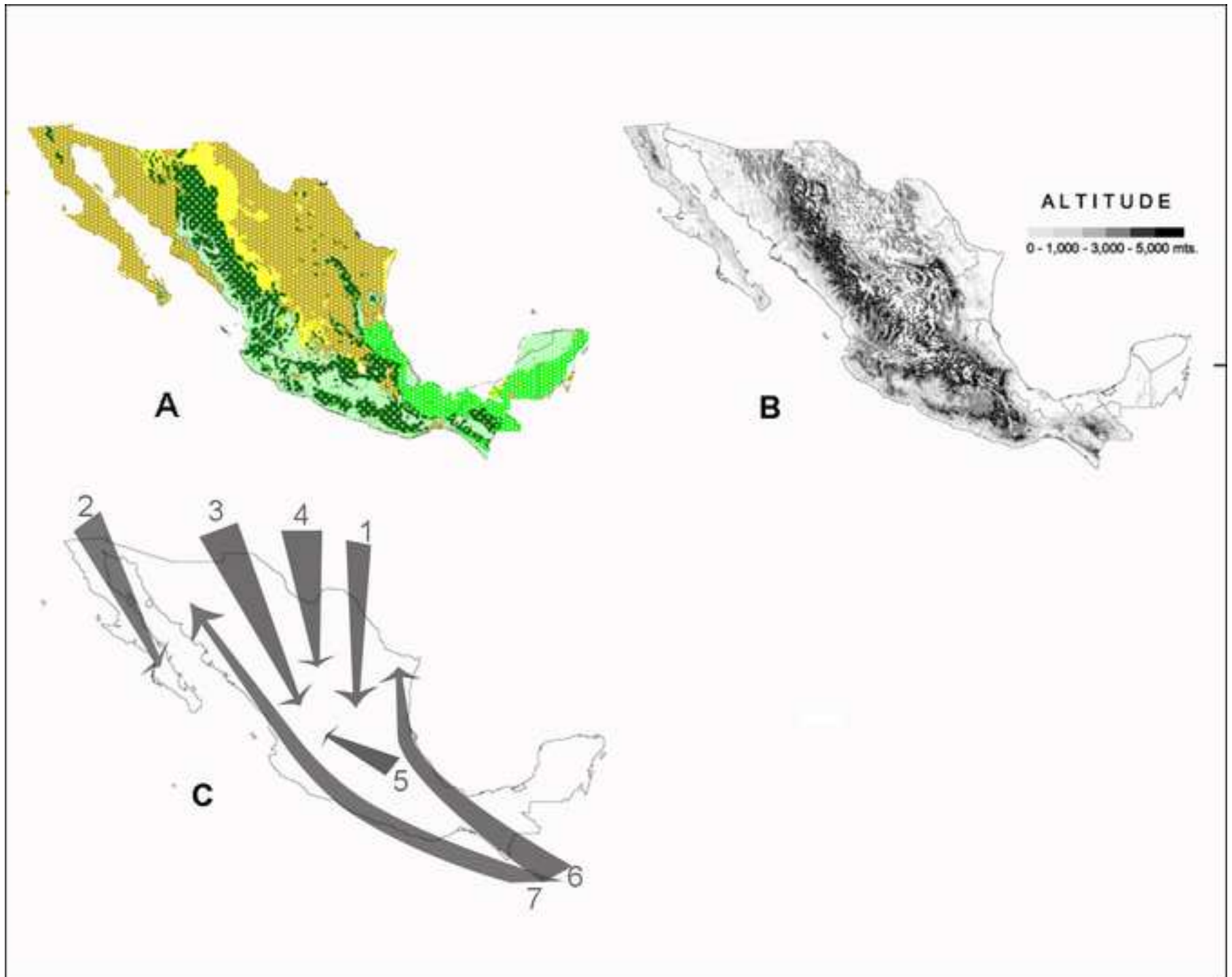


Figure6  
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## 1 ONLINE SUPPLEMENTARY DOCUMENTS

2  
3 Table 1. Pleistocene mammals recorded from México, excluding marine species.  
4 STATUS is indicated for extinct taxa (+), extinct species belonging to an extant genera  
5 (\*), and extant taxa (no symbol); DISTRIBUTION: (L) for local extinction and (R) for  
6 regional extinction. BODY SIZE: (L) large, (M) medium, and (S) small. FEEDING  
7 HABITS: (H) herbivore, (C) Carnivore, (O) omnivore and (S) sanguinivore. Data  
8 modified from Barrios (1987) and Arroyo-Cabrales et al. (2007).  
9

TAXA	FEEDING HABITS	STATUS	DISTRIBUTION
<b>RODENTIA</b>			
<b>Cuniculidae</b>			
<i>Cuniculus paca</i>	M	H	
<b>Dasyproctidae</b>			
<i>Dasyprocta mexicana</i>	M	H	
<i>Dasyprocta punctata</i>	M	H	
<b>Erethizontidae</b>			
<i>Erethizon dorsatum</i>	M	H	L
<i>Coendou mexicanus</i>	M	H	
<b>Geomyidae</b>			
<i>Cratogeomys bensoni</i>	S	H	*
<i>Cratogeomys castanops</i>	S	H	
<i>Cratogeomys gymnurus</i>	S	H	
<i>Cratogeomys merriami</i>	S	H	
<i>Cratogeomys tylorhinus</i>	S	H	
<i>Orthogeomys grandis</i>	S	H	
<i>Orthogeomys hispidus</i>	S	H	
<i>Orthogeomys onerosus</i>	S	H	*
<i>Thomomys bottae</i>	S	H	
<i>Thomomys umbrinus</i>	S	H	
<b>Heteromyidae</b>			
<i>Chaetodipus hispidus</i>	S	H	
<i>Chaetodipus huastecensis</i>	S	H	*
<i>Chaetodipus nelsoni</i>	S	H	
<i>Chaetodipus penicillatus</i>	S	H	L
<i>Dipodomys nelsoni</i>	S	H	
<i>Dipodomys phillipsii</i>	S	H	
<i>Dipodomys spectabilis</i>	S	H	
<i>Heteromys desmarestianus</i>	S	H	

Pleistocene mammals from México

<i>Heteromys gaumeri</i>	S	H		
<i>Liomys irroratus</i>	S	H		
<i>Perognathus flavus</i>	S	H		
<b>Hydrochoeridae (+)</b>				
<i>Nechoerus aesopi</i>	M	H	+	
<b>Muridae</b>				
<i>Baiomys intermedius</i>	S	H	*	
<i>Baiomys musculus</i>	S	H		
<i>Baiomys taylori</i>	S	H		
<i>Hodomys alleni</i>	S	H		L
<i>Hodomys sp. nov</i>	S	H	*	
<i>Microtus californicus</i>	S	H		L
<i>Microtus guatemalensis</i>	S	H		
<i>Microtus meadensis</i>	S	H	*	
<i>Microtus mexicanus</i>	S	H		
<i>Microtus oaxacensis</i>	S	H		
<i>Microtus pennsylvanicus</i>	S	H		L
<i>Microtus quasiater</i>	S	H		
<i>Microtus umbrosus</i>	S	H		
<i>Neotoma albigula</i>	S	H		L
<i>Neotoma angustapalata</i>	S	H		
<i>Neotoma anomala</i>	S	H	*	
<i>Neotoma cinerea</i>	S	H		R
<i>Neotoma floridana</i>	S	H		R
<i>Neotoma lepida</i>	S	H		
<i>Neotoma magnodonta</i>	S	H	*	
<i>Neotoma mexicana</i>	S	H		
<i>Neotoma micropus</i>	S	H		
<i>Neotoma phenax</i>	S	H		L
<i>Neotoma tlapacoyana</i>	S	H	*	
<i>Neotomodon alstoni</i>	S	H		
<i>Nyctomys sumichrasti</i>	S	H		
<i>Oligoryzomys fulvescens</i>	S	H		
<i>Ondatra nebracensis</i>	S	H	*	
<i>Onychomys leucogaster</i>	s	H		
<i>Oryzomys alfaroi</i>	S	H		
<i>Oryzomys couesi</i>	S	H		
<i>Oryzomys melanotis</i>	S	H		L
<i>Otonyctomys hatti</i>	S	H		
<i>Ot tylomys phyllotis</i>	S	H		
<i>Peromyscus boylii</i>	S	H		
<i>Peromyscus difficilis</i>	S	H		
<i>Peromyscus eremicus</i>	S	H		
<i>Peromyscus leucopus</i>	S	H		

Pleistocene mammals from México

<i>Peromyscus levipes</i>	S	H	
<i>Peromyscus maldonadoi</i>	S	H	*
<i>Peromyscus maniculatus</i>	S	H	
<i>Peromyscus melanophrys</i>	S	H	
<i>Peromyscus melanotis</i>	S	H	
<i>Peromyscus mexicanus</i>	S	H	
<i>Peromyscus ochraverter</i>	S	H	
<i>Peromyscus pectoralis</i>	S	H	
<i>Peromyscus truei</i>	S	H	L
<i>Peromyscus yucatanicus</i>	S	H	
<i>Reithrodontomys fulvescens</i>	S	H	
<i>Reithrodontomys megalotis</i>	S	H	
<i>Reithrodontomys mexicanus</i>	S	H	
<i>Reithrodontomys montanus</i>	S	H	
<i>Sigmodon curtisi</i>	S	H	*
<i>Sigmodon hispidus</i>	S	H	
<i>Synaptomys cooperi</i>	S	H	R
<i>Tylomys nudicaudus</i>	S	H	
<b>Sciuridae</b>			
<i>Ammospermophilus interpres</i>	S	H	
<i>Cynomys ludovicianus</i>	S	H	L
<i>Glaucomys volans</i>	S	H	
<i>Marmota flaviventris</i>	S	H	R
<i>Sciurus alleni</i>	S	H	
<i>Sciurus aureogaster</i>	S	H	
<i>Sciurus deppei</i>	S	H	
<i>Sciurus nayaritensis</i>	S	H	
<i>Sciurus variegatoides</i>	S	H	L
<i>Sciurus yuctanensis</i>	S	H	
<i>Spermophilus mexicanus</i>	S	H	
<i>Spermophilus pilosoma</i>	S	H	
<i>Spermophilus variegatus</i>	S	H	
<b>CHIROPTERA</b>			
<b>Antrozoidae</b>			
<i>Antrozous pallidus</i>	S	I	L
<b>Emballonuridae</b>			
<i>Balantiopteryx io</i>	S	I	L
<i>Peropteryx macrotis</i>	S	I	
<i>Saccopteryx bilineata</i>	S	I	
<b>Molossidae</b>			
<i>Eumops bonariensis</i>	S	I	
<i>Eumops perotas</i>	S	I	L
<i>Eumops underwoodi</i>	S	I	L
<i>Molossus rufus</i>	S	I	

Pleistocene mammals from México

<i>Nyctinomops aurispinosus</i>	S	I	
<i>Nyctinomops laticaudatus</i>	S	I	
<i>Promops centralis</i>	S	I	
<i>Tadarida brasiliensis</i>	S	I	
<b>Mormoopidae</b>			
<i>Mormoops megalophylla</i>	S	I	
<i>Pteronotus davyi</i>	S	I	
<i>Pteronotus parmallii</i>	S	I	
<b>Natalidae</b>			
<i>Natalus stramineus</i>	S	I	
<b>Phyllostomidae</b>			
<i>Artibeus jamaicensis</i>	S	F	
<i>Artibeus lituratus</i>	S	F	
<i>Carollia perspicillata</i>	S	F	
<i>Carollia soweli</i>	S	F	
<i>Centurio senex</i>	S	F	
<i>Chiroderma villosum</i>	S	F	
<i>Choeronycteris mexicana</i>	S	N	
<i>Chrotopterus auritus</i>	S	C	
<i>Dermanura phaeotis</i>	S	F	
<i>Desmodus cf. daculae</i>	S	S	*
<i>Desmodus rotundus</i>	S	S	
<i>Desmodus stocki</i>	S	S	*
<i>Diphylla ecaudata</i>	S	S	
<i>Enchisthenes hartii</i>	S	F	
<i>Glossophaga soricina</i>	S	N	
<i>Leptonycteris curasoae</i>	S	N	
<i>Leptonycteris nivalis</i>	S	N	
<i>Macrotus californicus</i>	S	I	L
<i>Micronycteris microtis</i>	S	I	
<i>Mimon bennettii</i>	S	I	
<i>Sturnira lilium</i>	S	F	
<i>Tonatia evotis</i>	S	I	
<b>Vespertilionidae</b>			
<i>Corynorhinus townsendii</i>	S	I	
<i>Eptesicus brasiliensis</i>	S	I	
<i>Eptesicus furinalis</i>	S	I	
<i>Eptesicus fuscus</i>	S	I	
<i>Lasionycteris noctivagans</i>	S	I	
<i>Lasiurus cinereus</i>	S	I	
<i>Lasiurus ega</i>	S	I	
<i>Lasiurus intermedius</i>	S	I	
<i>Myotis californicus</i>	S	I	
<i>Myotis keaysi</i>	S	I	

<i>Myotis thysanodes</i>	S	I	
<b>CARNIVORA</b>			
<b>Canidae</b>			
<i>Canis cedazoensis</i>	M	C	*
<i>Canis dirus</i>	M	C	*
<i>Canis edwardii</i>	M	C	*
<i>Canis familiaris</i>	M	C	
<i>Canis latrans</i>	M	C	
<i>Canis lupus</i>	M	C	
<i>Canis rufus</i>	M	C	R
<i>Cuon alpinus</i>	M	C	R
<i>Urocyon cinereoargenteus</i>	S	C	
<b>Felidae</b>			
<i>Herpailurus yagouaroundi</i>	S	C	
<i>Leopardus pardales</i>	M	C	
<i>Leopardus wiedii</i>	S	C	
<i>Lynx rufus</i>	S	C	
<i>Panthera atrox</i>	L	C	*
<i>Panthera onca</i>	L	C	
<i>Puma concolor</i>	M	C	
<i>Smilodon fatalis</i>	L	C	+
<i>Smilodon gracilis</i>	L	C	+
<b>Herpestidae</b>			
<i>Chasmaporthetes johnstoni</i>	M	C	+
<b>Mustelidae</b>			
<i>Conepatus leuconotus</i>	S	O	
<i>Lontra longicaudis</i>	S	C	
<i>Mephitis macroura</i>	s	O	
<i>Mephitis mephitis</i>	s	O	
<i>Mustela frenata</i>	S	C	
<i>Mustela nigripes</i>	S	C	R
<i>Spilogale putorius</i>	S	O	L
<i>Taxidea taxus</i>	S	C	
<b>Procyonidae</b>			
<i>Bassariscus astutus</i>	S	O	
<i>Bassariscus ticolli</i>	S	O	*
<i>Nasua narica</i>	M	O	
<i>Potos flavus</i>	S	H	
<i>Procyon lotor</i>	M	O	
<i>Procyon pygmaeus</i>	M	O	
<b>Ursidae</b>			
<i>Arctodus pristinus</i>	L	C	+
<i>Arctodus simas</i>	L	C	+
<i>Tremarctos floridanus</i>	L	O	*



<i>Ursus americanus</i>	L	O		
<b>ARTIODACTYLA</b>				
<b>Antilocapridae</b>				
<i>Antilocapra americana</i>	L	H		
<i>Capromeryx mexicana</i>	L	H	+	
<i>Capromeryx minor</i>	L	H	+	
<i>Stockoceros conklingi</i>	L	H	+	
<i>Tetrameryx mooseri</i>	L	H	+	
<i>Tetrameryx shuleri</i>	L	H	+	
<i>Tetrameryx tacubayensis</i>	L	H	+	
<b>Bovidae</b>				
<i>Bison alaskensis</i>	L	H	*	
<i>Bison antiquus</i>	L	H	*	
<i>Bison bison</i>	L	H		L
<i>Bison latifrons</i>	L	H	*	
<i>Bison priscus</i>	L	H	*	
<i>Euceratherium collinum</i>	L	H	+	
<i>Oreamnos harringtoni</i>	L	H	+	
<i>Ovis canadensis</i>	L	H		L
<b>Camelidae</b>				
<i>Camelops hesternus</i>	L	H	+	
<i>Camelops mexicanus</i>	L	H	+	
<i>Camelops minidokae</i>	L	H	+	
<i>Camelops traviswhitei</i>	L	H	+	
<i>Eschatius conidens</i>	L	H	+	
<i>Hemiauchenia blancoensis</i>	L	H	+	
<i>Hemiauchenia macrocephala</i>	L	H	+	
<i>Procamelops minimus</i>	L	H	+	
<b>Cervidae</b>				
<i>Cervus elaphus</i>	L	H		R
<i>Mazama americana</i>	M	H		
<i>Navahoceros fricki</i>	L	H	+	
<i>Odocoileus halli</i>	L	H	*	
<i>Odocoileus hemionus</i>	L	H		
<i>Odocoileus virginianus</i>	L	H		
<b>Tayassuidae</b>				
<i>Platygonus alemanii</i>	M	H	+	
<i>Platygonus compressus</i>	M	H	+	
<i>Platygonus ticuli</i>	M	H	+	
<i>Tayassu tajacu</i>	M	H		
<i>Tayassu pecari</i>	M	H		
<b>PERISSODACTYLA</b>				
<b>Equidae</b>				
<i>Equus conversidens</i>	L	H	*	

<i>Equus mexicanus</i>	L	H	*	
<i>Equus pacificus</i>	L	H	*	
<i>Equus parastylidens</i>	L	H	*	
<i>Equus tau</i>	L	H	*	
<b>Tapiridae</b>				
<i>Tapirus bairdii</i>	L	H		L
<i>Tapirus haysii</i>	L	H	*	
<b>XENARTHRA</b>				
<b>Dasypodidae</b>				
<i>Cabassous centralis</i>	S	O		L
<i>Dasypus novemcinctus</i>	S	O		
<i>Holmesina septentrionalis</i>	L	O	+	
<i>Pampatherium mexicanum</i>	L	O	+	
<b>Glyptodontidae (+)</b>				
<i>Glyptotherium cylindricum</i>	L	H	+	
<i>Glyptotherium floridanum</i>	L	H	+	
<i>Glyptotherium mexicanum</i>	L	H	+	
<b>Megalonychidae</b>				
<i>Megalonyx wheatleyi</i>	L	H	+	
<b>Megatheriidae (+)</b>				
<i>Eremotherium laurillardi</i>	L	H	+	
<i>Nothrotheriops mexicanum</i>	L	H	+	
<i>Nothrotheriops shastensis</i>	L	H	+	
<b>Mylodontidae (+)</b>				
<i>Glossotherium harlani</i>	L	H	+	
<b>Myrmecophagidae</b>				
<i>Myrmecophaga tridactyla</i>	M	I		L
<i>Tamandua mexicana</i>	S	I		
<b>LAGOMORPHA</b>				
<b>Leporidae</b>				
<i>Aluralagus sp.</i>	S	H	+	
<i>Aztlanolagus agilis</i>	S	H	+	
<i>Lepus alleni</i>	S	H		
<i>Lepus californicus</i>	S	H		
<i>Lepus callotis</i>	S	H		
<i>Romerolagus diazii</i>	S	H		
<i>Sylvilagus audubonii</i>	S	H		
<i>Sylvilagus bachmani</i>	S	H		
<i>Sylvilagus brasiliensis</i>	S	H		
<i>Sylvilagus cunicularius</i>	S	H		
<i>Sylvilagus floridanus</i>	S	H		
<i>Sylvilagus hibbardi</i>	S	H	*	
<i>Sylvilagus leonensis</i>	S	H	*	
<b>DIDELPHIMORPHA</b>				

<b>Caluromyidae</b>				
<i>Caluromys derbianus</i>	S	O		
<b>Didelphidae</b>				
<i>Didelphis marsupialis</i>	S	O		L
<i>Didelphis virginiana</i>	S	O		
<b>Marmosidae</b>				
<i>Marmosa lorenzoi</i>	S	O	*	
<i>Marmosa mexicana</i>	S	O		L
<i>Philander opossum</i>	S	O		
<i>Tlacuatzin canescens</i>	S	O		
<b>SORICOMORPHA</b>				
<b>Soricidae</b>				
<i>Cryptotis mayensis</i>	S	I		
<i>Cryptotis mexicana</i>	S	I		
<i>Cryptotis parva</i>	S	I		
<i>Notiosorex crawfordi</i>	S	I		
<i>Sorex milleri</i>	S	I		
<i>Sorex oreopolus</i>	S	I		
<i>Sorex saussurei</i>	S	I		
<b>PROBOSCIDEA</b>				
<b>Elephantidae</b>				
<i>Mammuthus columbi</i>	L	H	+	
<i>Mammuthus primigenius</i>	L	H	+	
<b>Gomphotheriidae (+)</b>				
<i>Cuvieronius tropicus</i>	L	H	+	
<i>Stegomastodon mirificus</i>	L	H	+	
<b>Mammutidae (+)</b>				
<i>Mammut americanum</i>	L	H	+	
<b>PRIMATES</b>				
<b>Cebidae</b>				
<i>Alouatta palliata</i>	S	O		L
<i>Alouatta pigra</i>	S	O		
<i>Ateles geoffroyi</i>	S	O		L
<b>NOTONGULATA</b>				
<b>Toxodontidae (+)</b>				
<i>cf. Myxotoxodon larensis</i>	L	H	+	

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