

Table S2. Species identities and Genbank accession numbers for cytochrome *b* sequences used in genus-level analyses of *Peromyscus*, along with information about altitudinal distributions. “Low elevation” refers to species generally found below 1000m, “High elevation” refers to species generally found above 2500m, “Intermediate elevation” refers to species found between 1000m and 2500m.

Species ID	Genbank ID	Distribution*	References
<i>P. beatae</i>	AF131914	Intermediate to high elevation	1
	AF131921	Humid forests of Mexico and Central America	
<i>P. levipes</i>	AF155396	Intermediate to high elevation	1,2
	AF131928	Central America and the Sierra Madre of Mexico	
<i>P. schmidlyi</i>	AY322522	High elevation	3
		Pine-oak forests of Durango, Mexico	
<i>P. boylii</i>	AF131915	High elevation	4,5
	AF155388	Chaparral, pinyon-juniper woodlands and pine-oak forests of	
	AF155387	the western US and Sierra Madre Occidental, Mexico	
	AF155392		
<i>P. simulus</i>	AAG25892	Low elevation	1,6
		Coastal lowlands, plains, and river valleys of Sinaloa and Nayarit, Mexico	
<i>P. stephani</i>	AAD43126	Low elevation	1,2
		Desert islands in the sea of Cortez, Mexico	
<i>P. spiceligus</i>	AAQ83477	Low to intermediate elevation	1,7
		Sierra Madre Occidental, West-central Mexico	
<i>P. winkelmanni</i>	AAG25895	High elevation	1,8
		Montane oak and pine forests of west-central Mexico (Guererro and Michoacán)	
<i>P. sagax</i>	AAD43119	Intermediate elevation	2
<i>P. truei</i> (<i>comanche</i> , <i>montipinoris</i> , <i>truei</i>)	AF155412 AY376434 AY376431 AY376432	Low to high elevation	1,5,9
		Central Oregon to southern Mexico, California to western Texas.	
		(<i>P.t. comanche</i> : Texas,	
		<i>montipinoris</i> : southcentral California, <i>truei</i> : southwestern US)	

<i>P. gratus</i>	AAS45263	High elevation Mountains of southwestern New Mexico and central Mexico	5
<i>P. difficilis</i>	AAS45259	High elevation Rocky forested areas, Colorado, US to Oaxaca, Mexico	1, 2
<i>P. nasutus</i>	AAS45265	Intermediate elevation Rocky outcrops and among boulders in pinyon-juniper-oak woodland in New Mexico, eastern Arizona, western Texas, central Colorado and Northern Mexico	1,5
<i>P. attwateri</i>	AAD43100	Low elevation Rocky habitats in central Texas, Oklahoma, and Arkansas, US	1,5,10
<i>P. pectoralis</i>	AAS45266	Intermediate elevation Rocky terrain in the Central Plateau and Sierra Madre of Mexico, comparable areas in Texas, New Mexico, and Oklahoma	1,11
<i>P. melanophryes</i>	AAQ83475	Intermediate elevation Dry rocky habitats within the Mexican Plateau, southern Durango and Coahuila through Oaxaca	1,12
<i>P. zarhynchus</i>	AAP34316	Intermediate to high elevation cloud forests of Chiapas, Mexico	13
<i>P. maniculatus</i> (<i>gambelli</i> , <i>coolidgei</i> , <i>rufinus</i> , <i>sonoriensis</i> , <i>blandus</i>)	EF666175 DQ385707 DQ385714 EF666232 DQ785703 DQ385721	Low to high elevation Across most of North America into central Mexico; see text of this manuscript for further discussion and references	1,4,5
<i>P. keeni</i>	DQ385716	Low to high elevation Coastal lowlands to sub-alpine forests, Pacific Northwestern US and British Columbia	5
<i>P. melanotis</i>	AF155398	High elevation Pine–fir forest and grasslands, central Mexico and southeastern Arizona	1
<i>P. leucopus</i>	AF131926	Low to high elevation Mature forests, and marshes, eastern US and eastern Mexico	1, 14
<i>P. californicus</i>	AAD43108	Low to intermediate elevations Foothills of coastal Californian ranges and the Sierra Nevada	1,5,15

		Low to intermediate elevations	
<i>P. eremicus</i>	AAQ83468	Desert shrub and riparian habitats in Northern Mexico, Baja and Southwestern US	1,5,16
		Low to high elevation	
<i>P. crinitus</i>	AAS45253	Canyons in western US and Northern Baja, Mexico	1,17
		High elevation	
<i>P. polius</i>	AF155403	West-central Chihuahua, México	2
		Low elevation	
<i>Reithrodontomys raviventris</i>	AY859470	Salt Marshes of the San Francisco Bay Area, US	18
		High elevation	
<i>R. tenuirostris</i>	AY859463	Evergreen Cloud forest in Chiapas, Mexico and Guatemala	19

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