

## SUPPORTING INFORMATION

### Differential regional response of the bushy-tailed woodrat (*Neotoma cinerea*) to late Quaternary climate change

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**Appendix S1** DNA samples of *Neotoma cinerea* and outgroup taxa used for phylogenetic and population genetic analyses. Museum voucher abbreviations are as follows: Monte L. Bean Life Science Museum, Brigham Young University (BYU); Cornell University Museum of Vertebrates (CUMV); Denver Museum of Nature and Science (DMNS); Louisiana State University Museum of Natural Science Collection of Genetic Resources (LSUMZ); Museum of Southwestern Biology, University of New Mexico (MSB); Museum of Vertebrate Zoology, University of California, Berkeley (MVZ); New Mexico Museum of Natural History and Science (NMMNH); Royal Alberta Museum (RAM); Royal British Columbia Museum (RBCM); University of Alaska Museum of the North (UAM); University of Colorado Museum of Natural History (UCM); Utah Museum of Natural History, University of Utah (UMNH); University of Washington Burke Museum (UWBM).

Identifier	Voucher/isolate	Country	State/province	County
137cytb	isolate	United States	Idaho	Bannock
182cytb	isolate	United States	Idaho	Bannock
BYU 13886	voucher	United States	Utah	Grand
BYU 13887	voucher	United States	Utah	Grand
BYU 13888	voucher	United States	Utah	Wasatch
BYU 14868	voucher	United States	Utah	Grand

BYU 16617	voucher	United States	Utah	Uintah
BYU 16618	voucher	United States	Utah	Uintah
BYU 17790	voucher	United States	Utah	Utah
BYU 18997	voucher	United States	Oregon	Deschutes
BYU 18998	voucher	United States	Oregon	Deschutes
CUMV 20269	voucher	United States	Idaho	Adams
DMNS ZM.11178	voucher	United States	Colorado	El Paso
DMNS ZM.11383	voucher	United States	Colorado	Moffat
DMNS ZM.11517	voucher	United States	Colorado	Delta
DMNS ZM.11518	voucher	United States	Colorado	Delta
LSUMZ M-452	voucher	United States	Utah	San Juan
MDM 148	isolate	United States	California	Nevada
MSB 140843	voucher	United States	New Mexico	Sandoval
MSB 141113	voucher	United States	New Mexico	Sandoval
MSB 149469	voucher	Canada	Yukon Territories	
MSB 152633	voucher	United States	Idaho	Ada
MSB 152693	voucher	United States	Idaho	Ada
MSB 152695	voucher	United States	Idaho	Ada
MSB 70026	voucher	United States	New Mexico	San Miguel
MSB 73684	voucher	United States	New Mexico	Taos
MSB 74609	voucher	United States	Colorado	Moffat
MSB 74610	voucher	United States	Colorado	Moffat
MSB 74611	voucher	United States	Colorado	Moffat
MSB 74612	voucher	United States	Colorado	Moffat
MSB 74646	voucher	United States	Colorado	El Paso
MSB 76526	voucher	United States	Colorado	Rio Blanco
MSB 76527	voucher	United States	Colorado	Rio Blanco
MSB 76967	voucher	United States	Utah	San Juan
MSB 76968	voucher	United States	Utah	San Juan
MSB 86004	voucher	United States	New Mexico	Sandoval
MSB 90783	voucher	United States	California	Mono
MSB 92136	voucher	United States	New Mexico	Sandoval
MSB 92137	voucher	United States	New Mexico	Sandoval
MSB 92140	voucher	United States	New Mexico	Sandoval
MSB 92141	voucher	United States	New Mexico	Sandoval
MSB 99135	voucher	United States	New Mexico	Sandoval
MVZ 197092	voucher	United States	Nevada	Elko

MVZ 199348	voucher	United States	Utah	Grand
MVZ 201915	voucher	United States	California	Tuolumne
MVZ 201916	voucher	United States	California	Tuolumne
MVZ 206431	voucher	United States	California	Tulare
MVZ 215473	voucher	United States	California	Lassen
MVZ 216409	voucher	United States	California	Mono
MVZ 218378	voucher	United States	California	Lassen
MVZ 218379	voucher	United States	California	Lassen
MVZ 219950	voucher	United States	California	Mono
MVZ 219951	voucher	United States	California	Mono
MVZ 220134	voucher	United States	California	Mariposa
MVZ 220623	voucher	United States	California	Lassen
MVZ 220746	voucher	United States	California	Plumas
MVZ 220747	voucher	United States	California	Plumas
MVZ 220748	voucher	United States	California	Plumas
MVZ 222570	voucher	United States	California	Tulare
MVZ 222572	voucher	United States	California	Tulare
MVZ 223394	voucher	United States	Nevada	Lander
MVZ 223395	voucher	United States	Nevada	Lander
MVZ 223396	voucher	United States	Nevada	White Pine
MVZ 223397	voucher	United States	Nevada	White Pine
MVZ 223398	voucher	United States	Nevada	White Pine
MVZ 223399	voucher	United States	Nevada	White Pine
MVZ 223400	voucher	United States	Nevada	White Pine
MVZ 223401	voucher	United States	Idaho	Power
MVZ 223402	voucher	United States	Nevada	Humbolt
MVZ 223403	voucher	United States	Nevada	Humbolt
MVZ 223404	voucher	United States	Nevada	Humbolt
MVZ 223405	voucher	United States	Idaho	Fremont
MVZ 223406	voucher	United States	Idaho	Fremont
MVZ 223407	voucher	United States	Montana	Flathead
MVZ 223408	voucher	United States	Montana	Flathead
MVZ 223409	voucher	United States	Montana	Flathead
MVZ 223410	voucher	United States	Montana	Flathead
MVZ 223411	voucher	United States	Montana	Judith Basin
MVZ 223412	voucher	United States	Montana	Judith Basin
MVZ 223413	voucher	United States	Montana	Judith Basin

MVZ 223414	voucher	United States	Montana	Ravalli
MVZ 223415	voucher	United States	Montana	Ravalli
MVZ 223416	voucher	United States	Montana	Ravalli
MVZ 223417	voucher	United States	Colorado	Moffat
MVZ 223418	voucher	United States	Wyoming	Fremont
MVZ 223419	voucher	United States	Wyoming	Fremont
MVZ 223420	voucher	United States	Wyoming	Fremont
MVZ 223421	voucher	United States	Wyoming	Fremont
MVZ 223422	voucher	United States	Wyoming	Fremont
MVZ 223423	voucher	United States	Wyoming	Fremont
MVZ 223424	voucher	United States	Wyoming	Fremont
MVZ 223425	voucher	United States	Wyoming	Sweetwater
MVZ 223426	voucher	United States	Wyoming	Sweetwater
MVZ 223427	voucher	United States	Wyoming	Sweetwater
MVZ 223428	voucher	United States	Wyoming	Sweetwater
MVZ 223429	voucher	United States	Wyoming	Sweetwater
MVZ 223430	voucher	United States	Wyoming	Sweetwater
MVZ 223431	voucher	United States	Wyoming	Sweetwater
MVZ 223432	voucher	United States	Wyoming	Sweetwater
MVZ 223433	voucher	United States	Wyoming	Sweetwater
MVZ 223434	voucher	United States	Nevada	Clark
MVZ 223435	voucher	United States	Colorado	Gunnison
MVZ 223436	voucher	United States	Colorado	Gunnison
MVZ 223437	voucher	United States	Colorado	Gunnison
MVZ 223438	voucher	United States	Colorado	Gunnison
MVZ 223439	voucher	United States	Colorado	Gunnison
MVZ 223440	voucher	United States	Montana	Carbon
MVZ 223441	voucher	United States	Montana	Carbon
MVZ 223442	voucher	United States	Montana	Dawson
MVZ 223443	voucher	United States	South Dakota	Lawrence
MVZ 223444	voucher	United States	South Dakota	Lawrence
MVZ 223445	voucher	United States	Wyoming	Albany
MVZ 223446	voucher	United States	Wyoming	Albany
MVZ 223447	voucher	United States	Wyoming	Albany
MVZ 223448	voucher	United States	Wyoming	Albany
MVZ 223449	voucher	United States	Wyoming	Albany
MVZ 223450	voucher	United States	Wyoming	Albany

MVZ 223451	voucher	United States	Wyoming	Fremont
MVZ 223452	voucher	United States	Wyoming	Johnson
MVZ 223453	voucher	United States	Wyoming	Johnson
MVZ 223454	voucher	United States	Wyoming	Johnson
MVZ 223455	voucher	United States	Wyoming	Johnson
MVZ 223456	voucher	United States	Wyoming	Johnson
MVZ 223457	voucher	United States	Wyoming	Johnson
MVZ 223458	voucher	United States	Wyoming	Johnson
MVZ 223459	voucher	United States	Wyoming	Johnson
MVZ 223460	voucher	United States	Wyoming	Johnson
MVZ 223461	voucher	United States	Wyoming	Johnson
MVZ 223462	voucher	United States	South Dakota	Harding
MVZ 223463	voucher	United States	South Dakota	Harding
NMMNH 1006	voucher	Canada	British Columbia	
NMMNH 614	voucher	United States	Montana	Powell
OSU	isolate	United States	Oregon	Lane
RAM 01.8.3	voucher	Canada	Alberta	
RAM 03.13.1	voucher	Canada	Alberta	
RAM 03.13.2	voucher	Canada	Alberta	
RAM 04.12.1	voucher	Canada	Alberta	
RAM 95.30.34	voucher	Canada	Alberta	
RBCM 20000	voucher	Canada	British Columbia	
RBCM R0207	voucher	Canada	British Columbia	
UAM 24566	voucher	United States	Washington	Kittitas
UAM 24567	voucher	United States	Washington	Kittitas
UAM 35061	voucher	United States	Washington	Kittitas
UAM 35063	voucher	United States	Washington	Kittitas
UAM 35116	voucher	United States	Washington	Kittitas
UAM 35117	voucher	United States	Washington	Kittitas
UAM 35118	voucher	United States	Washington	Kittitas
UAM 35134	voucher	Canada	British Columbia	
UAM 49980	voucher	United States	Washington	Kittitas
UAM 50132	voucher	United States	Washington	Kittitas
UAM 54423	voucher	United States	Washington	Kittitas
UAM 71646	voucher	Canada	Yukon Territories	
UCM 18902	voucher	United States	Colorado	Boulder
UMNH 29794	voucher	United States	Nevada	White Pine

UMNH 31172	voucher	United States	Utah	Wayne
UMNH 31873	voucher	United States	Nevada	Elko
UMNH 31874	voucher	United States	Nevada	Elko
UMNH 31875	voucher	United States	Nevada	Elko
UMNH 32187	voucher	United States	Nevada	Elko
UMNH 32202	voucher	United States	Nevada	Elko
UMNH 32468	voucher	United States	Nevada	Elko
UMNH 32653	voucher	United States	Nevada	Elko
UMNH 32654	voucher	United States	Nevada	Elko
UMNH 32655	voucher	United States	Nevada	Elko
UWBM 49066	voucher	United States	Washington	Okanogan
UWBM 72106	voucher	United States	Oregon	Wallowa
UWBM 72108	voucher	United States	Oregon	Wallowa
UWBM 72137	voucher	United States	Oregon	Wallowa
UWBM 73810	voucher	United States	Washington	Kittitas
UWBM 75217	voucher	United States	Washington	Columbia
UWBM 76697	voucher	United States	Oregon	Union
UWBM 76799	voucher	United States	Washington	Kittitas
UWBM 76808	voucher	United States	Washington	Kittitas
UWBM 76811	voucher	United States	Washington	Kittitas
UWBM 76813	voucher	United States	Washington	Grant
UWBM 78001	voucher	United States	Oregon	Wheeler
UWBM 78139	voucher	United States	Washington	Pend Oreille
UWBM 78604	voucher	United States	Washington	Clallam
UWBM 78606	voucher	United States	Washington	Clallam
UWBM 78852	voucher	United States	Washington	Clallam
UWBM 79495	voucher	United States	Oregon	Lincoln
UWBM 79658	voucher	United States	Idaho	Cassia

<b>Outgroup taxa (phylogenetics)</b>	<b>GenBank accession number</b>
<i>Hodomys alleni</i>	DQ179810
<i>Neotoma albigula</i>	DQ179815
<i>Neotoma floridana</i>	DQ179819
<i>Neotoma fuscipes</i>	DQ179822
<i>Neotoma lepida</i>	DQ179830
<i>Neotoma lepida gilva</i>	DQ179835
<i>Neotoma macrotis</i>	DQ179843
<i>Neotoma stephensi</i>	DQ179852
<i>Peromyscus attwateri</i>	DQ179811

<b>Outgroup taxa (divergence dating)</b>	<b>GenBank accession number</b>
<i>Hodomys alleni</i>	DQ179810
<i>Neotoma bryanti</i>	DQ781160
<i>Neotoma devia</i>	DQ781302
<i>Neotoma floridana</i>	DQ179819
<i>Neotoma fuscipes</i>	DQ179822
<i>Neotoma insularis</i>	DQ781161
<i>Neotoma lepida</i>	DQ781253
<i>Neotoma macrotis</i>	DQ179842
<i>Neotoma stephensi</i>	DQ179852
<i>Otodylomys phyllotis</i>	DQ179814
<i>Peromyscus attwateri</i>	DQ179811
<i>Sigmodon hispidus</i>	AF425200
<i>Tylomys nudicaudus</i>	DQ179812
<i>Xenomys nelsoni</i>	DQ179813