SUPPLEMENTARY MATERIAL

A micro-CT-based morphology of the palato-spheno-pterygoid complex of arvicoline rodents (Cricetidae) with special focus on Clethrionomyini palatine morphology

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Tables

S1. Information on analysed samples

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Table S1. Information on samples analyzed (3D model dataset).

Specimens are given in alphabetical order (genus/species; except *Clethrionomys*). *Key*: **ad1**, mature individual (stage 1); **ad2**, mature individual (stage 2); **f**, female; **m**, male; **sad**, immature individual; **ZIN**, the Zoological Institute of the Russian academy of sciences, St. Petersburg, Russia; *****, the "Locality" section contains the geographical information and the date of the capture in parentheses; ******, tissue ID of the Laboratory of Evolutionary Genomics and Palaeogenomics of the ZIN (square parentheses); for *Lasiopodomys raddei* the GenBank ID according to Petrova et al. (2023; https://www.mdpi.com/1424-2818/15/3/439) is also proposed.

nn	Specimen	Species	Sex/Age	Locality*
1	ZIN 16897	*Agricola agrestis*	m/ad2	Kazyrsug river, a right tributary of the Yenisey river, Krasnoyarskii Kray, Russia (22.04.1918).
2	ZIN 89132	*Agricola agrestis*	m/ad1	Shevinskaya village, Kovrov Dist., Vladimirskaya Oblast, Russia (19.08.2004).
3	ZIN 97312	*Agricola agrestis*	f/ad1	Zelenyi Cape [Mysok], Kandalaksha Gulf, Murmanskaya Oblast, Russia (13.09.2004).
4	ZIN 98482	*Agricola agrestis*	?/ad1	Pervukha village vicinity, Katav-Ivanovsk Dist., Cheliabinskaya Oblast, Russia (21-23.08.2007).
5	ZIN 83881	*Alexandromys fortis*	f/ad2	4 km west of Murtoy village, on the western shore of Lake Gusinoe, Selenga Dist., Buryatia, Russia (30.08.1998).
6	ZIN 105505	*Alexandromys fortis*	m/ad1	2 km north-east of Vinogradovka village, Anuchin Dist., Primorskii Kray, Russia (06.08.2019).
7	ZIN 101018	*Alexandromys middendorffii*	f/sad	Railway station “14 km”, Priuralsk Distr., Yamalo-Nenets Autonomous Okrug, Russia (27.07.2012).
8	ZIN 66013	*Alexandromys oeconomus*	m/ad2	Kendyrlik river, Zaysan Basin, East Kazakhstan Region, Kazakhstan (29.08.1978).
9	ZIN 89161	*Alexandromys oeconomus*	f/ad1	Filippovka village, Kovrov Dist., Vladimirskaya Oblast, Russia (22.08.2004).
10	ZIN 96546	*Alexandromys oeconomus*	f/ad1	Ungra river, 150 km north of Nerungri Town, Yakutia, Russia.
11	ZIN 98883	*Alexandromys oeconomus*	m/sad	Tute river (middle part), ca. 8 km south of Kuray village, Kosh-Agatch Dist., Altay Republik, Russia (15.07.2008).
12	ZIN 100612	*Alexandromys oeconomus*	f/ad2	Sulban river, Kalar Dist., Zabaikalskii Kray, Russia (20.07.2005).
13	ZIN 101023	*Alexandromys oeconomus*	f/ad2	Railway station “14 km”, Priuralsk Distr., Yamalo-Nenets Autonomous Okrug, Russia (26.07.2012).
14	ZIN 77405	*Alticola argentatus*	m/ad2	Anzob mountain pass, northwest of Dushanbe City, Tajikistan (30.08.1989).
15	ZIN 77458	*Alticola argentatus*	m/sad	Sarez Lake, Gorno-Badakhshan Autonomous Region of Tajikistan (07.08.1989).
16	ZIN 77464	*Alticola argentatus*	f/ad1	Sarez Lake, Gorno-Badakhshan Autonomous Region of Tajikistan (04.08.1989).
17	ZIN 77489	*Alticola argentatus*	?/ad1	Sarez Lake, Gorno-Badakhshan Autonomous Region of Tajikistan (06.08.1989).
18	ZIN 101796 [3929]**	*Alticola lemminus*	m/ad1	Nizhneangarskii Ridge, 10 km north of Angoya railway station, Severobaikalsk Dist., Buryatia, Russia (08.08.2013).
19	ZIN 101797 [3936]	*Alticola lemminus*	m/ad1	Severo-Muyskii Ridge, near of Angarakan railway station, Severobaikalsk Dist., Buryatia, Russia (11.08.2013).

20	ZIN 102289	*Alticola macrotis*	m/ad1	Sokhondinskii Nature Reserve, Kyra Dist., Zabaikalskii Kray, Russia (30.08.1994).
21	ZIN 102307	*Alticola macrotis*	m/ad1	Sokhondinskii Nature Reserve, Kyra Dist., Zabaikalskii Kray, Russia (22.07.1981).
22	ZIN 99351 [2473]	*Alticola macrotis*	f/ad2	22 km east of Uyuk village, Biy-Khem river, Piy-Khem Dist., Tuva Republic, Russia (06.09.2009).
23	ZIN 107067 [5761]	*Alticola semicanus*	m/ad1	8 km north-west of Shara-Nuur Lake, Erzinsk Dist., Tuva Republic, Russia (08.08.2021).
24	ZIN 107068 [5769]	*Alticola semicanus*	/ad2	8 km north-west of Shara-Nuur Lake, Erzinsk Dist., Tuva Republic, Russia (08.08.2021).
25	ZIN 10034	*Arvicola amphibius*	?/sad	Krymskaya railway station, Krasnodarskii Kray, Russia (1912).
26	ZIN 16365	*Arvicola amphibius*	m/ad2	Pokrovka village, Miyakinsk Dist., Bashkortostan, Russia (07.06.1927).
27	ZIN 45399	*Arvicola amphibius*	m/ad1	*Label text is illegible*; (18.09.1913).
28	ZIN 70703	*Chionomys nivalis*	f/ad2	Switzerland (from Peter Fogel).
29	ZIN 71279	*Chionomys nivalis*	?/ad1	Dushak Mount, Central Kopet-Dag, Ahal Region, Turkmenistan (21.05.1985).
30	ZIN 106369	*Chionomys nivalis*	m/ad1	Alam-Kukh Ridge, North Iran (27.06.2017).
31	ZIN 102929	*Craseomys rufocanus*	m/ad1	Sokhondo Rock, Sokhondinskii Nature Reserve, Kyra Dist., Zabaikalskii Kray, Russia (28.08.2014).
32	ZIN 81169	*Dicrostonyx torquatus*	m/ad2	Sedotyakha (Sedoyakha) river, North-West Yamal, Yamalo-Nenets Autonomous Okrug, Russia (19.06.1994).
33	ZIN 81254	*Dicrostonyx torquatus*	f/ad1	*ibid*. (28.06.1994).
34	ZIN 81552	*Dicrostonyx torquatus*	m/ad1	Krestovii cape, North-East Taymyr, Krasnoyarskii Kray, Russia (01.07.1994).
35	ZIN 34835	*Dinaromys bogdanovi*	?/	"Mts Hercegovina" (29.08.1947); incoming number 275-1949.
36	ZIN 34887	*Dinaromys bogdanovi*	m/	Incoming number 275-1949.
37	ZIN 26607	*Ellobius lutescens*	?/ad1	Okhtchabert (Vokhtchaberd) village, Kotayk Province, Armenia (17.04.1948).
38	ZIN 83708	*Ellobius lutescens*	f/ad1	Sarab Talkh locality, 35 km north-east of Khoramabad Town, Loristan Province, Iran (25.11.1997).
39	ZIN 85284	*Ellobius lutescens*	f/ad2	Vokhtchaberd village, Kotayk Province, Armenia (10.1976).
40	ZIN 85287	*Ellobius lutescens*	?/sad	Karovaz locality, Lenkaran Dist., Azerbaijan.
41	ZIN 11763	*Ellobius talpinus*	?/ad1	Merv Ancient Town vicinity, Mary Region, Turkmenistan.
42	ZIN 35828	*Ellobius talpinus*	m/sad	West Kazakhstan (19.08.1949).
43	ZIN 82955	*Ellobius talpinus*	f/ad1	Malyi Sedyak village, Bizhbulyaksky Dist., Bashkortostan, Russia (15.06.1997).
44	ZIN 84395	*Ellobius talpinus*	m/ad1	Turkmenistan (13.03.1983).
45	ZIN 102342	*Ellobius talpinus*	m/ad1	Shchuchinsk City vicinity, Burabay Dist., Kazakhstan (07.10.1961).
46	ZIN 29170	*Lagurus lagurus*	f/ad2	40 km up of the Abakan river mouth, Khakassia, Russia (09.08.1932).
47	ZIN 57188	*Lagurus lagurus*	?/sad	Zaysan Basin, East Kazakhstan Region, Kazakhstan (11.09.1970).
48	ZIN 82110	*Lasiopodomys brandtii*	m/ad1	Zun-Torey lake, Borzia Dist., Zabaikalskii Kray, Russia (11.07.1995).
49	ZIN 82114	*Lasiopodomys brandtii*	?/ad2	Zun-Torey lake, Borzia Dist., Zabaikalskii Kray, Russia (19.07.1995).
50	ZIN 15332	*Lasiopodomys gregalis*	?/sad	Khangalassky Dist. (East- Khangalassky), Yakutia, Russia (28.06.1925).

51	ZIN 53120	*Lasiopodomys gregalis*	f/ad2	'Minusinskii uezd' (Krasnoyarskii Kray, Russia).
52	ZIN 96293	*Lasiopodomys gregalis*	m/ad1	Yerkutayakha river, Yamalskii Dist., Yamalo-Nenets Autonomous Okrug, Russia (16.07.2006).
53	ZIN 103094	*Lasiopodomys gregalis*	?/ad2	Arshanovo village, Altay Dist., Khakassia, Russia (09.2015).
54	ZIN 78327	*Lasiopodomys mandarinus*	f/ad1	Sosnovka village vicinity, Selenga Dist., Buryatia, Russia (1992).
55	ZIN 78614	*Lasiopodomys mandarinus*	m/ad1	Torm lake vicinity, Selenga Dist., Buryatia, Russia (10.07.1992).
56	ZIN 101665 [3959/KJ192314]	*Lasiopodomys raddei*	?/ad1	Adon-Chelon locality, Borzia Dist., Zabaikalskii Kray, Russia (19.08.2013).
57	ZIN 105338	*Lasiopodomys raddei*	f/sad	Butyvken lake, 9 km south-east of Kubukhay village, Onon Dist., Zabaikalskii Kray, Russia (30.06.2016).
58	ZIN 105341 [4743/OP765416]	*Lasiopodomys raddei*	f/ad2	Uldza river, 8 km west of the mouth at Duro-Nur lake, Dornod Aimag, Mongolia (28.07.2016).
59	ZIN 105344 [4746/OP765410]	*Lasiopodomys raddei*	f/sad	Elon-Obot Mount, Dornod Aimag, Mongolia (14.08.2016).
60	ZIN 64159	*Lemmus sibiricus*	m/ad2	Tareya village on the Piasina river, Taymyr, Krasnoyarskii Kray, Russia (15.08.1976).
61	ZIN 81239	*Lemmus sibiricus*	f/ad2	Sedotyakha (Sedoyakha) river, North-West Yamal, Yamalo-Nenets Autonomous Okrug, Russia (19.06.1994).
62	ZIN 81241	*Lemmus sibiricus*	m/ad2	*ibid*. (19.06.1994).
63	ZIN 19431	*Microtus arvalis*	m/ad2	Pushkin City vicinity, Leningradskaya Oblast, Russia (13.01.1971).
64	ZIN 56750	*Microtus arvalis*	m/ad2	Minsk City vicinity (09.07.1928).
65	ZIN 78436	*Mynomes miurus*	m/ad2	Upper Susitna river, Alaska, USA (09.08.1981).
66	ZIN 40410	*Mynomes ochrogaster*	m/ad2	Box Elder Creek at Highway 87, Montana, USA (29.03.1958).
67	ZIN 39888	*Mynomes pennsylvanicus*	f/ad1	Michigan State University campus, Michigan, USA (22.07.1956).
68	ZIN 74375	*Mynomes pennsylvanicus*	m/sad	6 km south of Ann Arbor City, Michigan, USA (15.01.1961).
69	ZIN 83753(6951)	*Mynomes pennsylvanicus*	?/ad2	*Label text is illegible*.
70	ZIN 40412	*Mynomes richardsoni*	m/ad1	Piegan Mount, Glacier National Park, Montana, USA (28.07.1949).
71	ZIN 21254	*Clethrionomys centralis*	m/ad1	Big Almaty Lake, 15 km south of Almaty City, Kazakhstan (20.08.1929).
72	ZIN 107137 [5832]	*Clethrionomys centralis*	?/ad1	Big Almaty Lake, 15 km south of Almaty City, Kazakhstan (30.09.2021).
73	ZIN 106573	*Clethrionomys glareolus*	m/ad2	Saint Petersburg vicinity, Russia (15.05.2007).
74	ZIN 20967	*Clethrionomys rutilus*	m/sad	Sretensk Town vicinity, Sretensk Dist., Zabaikalskii Kray, Russia (09.10.1929).
75	ZIN 20974	*Clethrionomys rutilus*	f/ad1	Sretensk Town vicinity, Sretensk Dist., Zabaikalskii Kray, Russia (09.04.1929).

76	ZIN 20978	*Clethrionomys rutilus*	?/sad	Sretensk Town vicinity, Sretensk Dist., Zabaikalskii Kray, Russia (14.10.1929).
77	ZIN 20984	*Clethrionomys rutilus*	f/ad2	Sretensk Town vicinity, Sretensk Dist., Zabaikalskii Kray, Russia (04.04.1929).
78	ZIN 100554	*Myopus schisticolor*	f/sad	Bato-Ghol vilage, Okinskii Dist., Buryatia, Russia (03.07.2011).
79	ZIN 103730	*Myopus schisticolor*	m/ad1	Zelenyi Cape [Mysok], Kandalaksha Gulf, Murmanskaya Oblast, Russia (19.07.2015).
80	ZIN 32560	*Ondatra zibethicus*	m/ad1	Yeloguy river, Krasnoyarskii Kray, Russia (28.05.1938).
81	ZIN 69584	*Ondatra zibethicus*	?/ad1	Utah State, USA.
82	ZIN 84176	*Ondatra zibethicus*	?/ad1	Moldavia (winter 1971–1972).
83	ZIN 31495	*Prometheomys schaposchnikowi*	f/ad1	Bambak Mount, Caucasus Nature Reserve, Krasnodarskii Kray, Russia (26.07.1938).
84	ZIN 74487	*Prometheomys schaposchnikowi*	f/ad2	120 km of the Georgian Military Road, Georgia (20.05.1969).
85	ZIN 74969	*Terricola subterraneus*	m/ad1	Czech Republic (26.06.1963).
86	ZIN 80937	*Terricola subterraneus*	f/ad2	Forest on Vorksla Nature Reserve, Belgorodskaya Oblast, Russia (03.07.1994).
87	ZIN 84244	*Terricola subterraneus*	m/ad1	Czech Republic (08.05.1976).
88	ZIN 39375	*Neotoma mexicana*	m/ad1	Tehuantepec, Oaxaca State, Mexico (28.02.1944).
89	ZIN 39376	*Neotoma mexicana*	m/ad2	Tehuantepec, Oaxaca State, Mexico (05.01.1944).
90	ZIN 101697	*Cricetulus barabensis*	f/ad2	Adon-Chelon locality, Borzia Dist., Zabaikalskii Kray, Russia (21.08.2013).

Table S2. The list of 3D models used in the study and technical characteristics of micro-CT scanning (NeoScan N80 [FP]).

Key: **Al 0.5**, aluminium filter with different thickness in mm; Cu 0.1, cooper filter with different thickness in mm; *, SkyScan 1172 (CCD) at the Resource Centre for X-ray Diffraction Studies of Saint Petersburg State University (Saint Petersburg, Russia).

nn	Specimen	Species	Resolution, (μm)	Acceleration voltage (Kv)	Rotation angle (deg.)	Exposure (ms)/Filter
1	ZIN 16897	*Agricola agrestis*	13.5	75	0.2	248/Cu 0.1
2	ZIN 89132	*Agricola agrestis*	13.7	67	0.2	178/Al 0.5
3	ZIN 97312	*Agricola agrestis*	13.5	67	0.2	178/Al 0.5
4	ZIN 98482	*Agricola agrestis*	13.7	75	0.2	248/Al 1.0
5	ZIN 83881	*Alexandromys fortis*	15.5	75	0.2	248/Al 1.0
6	ZIN 105505	*Alexandromys fortis*	15.7	75	0.2	248/Al 1.0
7	ZIN 101018	*A. middendorffii*	8.96*	70	0.3	2200/Al 0.5
8	ZIN 66013	*A. oeconomus*	15.1	75	0.2	248/Al 1.0
9	ZIN 89161	*A. oeconomus*	14.0	67	0.2	178/Al 0.5
10	ZIN 96546	*A. oeconomus*	15.1	75	0.2	248/Al 1.0
11	ZIN 98883	*A. oeconomus*	13.5	67	0.2	178/Al 0.5
12	ZIN 100612	*A. oeconomus*	14.5	75	0.2	248/Al 1.0
13	ZIN 101023	*A. oeconomus*	15.5	75	0.2	248/Al 1.0
14	ZIN 77405	*Alticola argentatus*	14.5	75	0.2	248/Al 1.0
15	ZIN 77458	*Alticola argentatus*	12.5	67	0.2	178/Al 0.5
16	ZIN 77464	*Alticola argentatus*	13.0	67	0.2	178/Al 0.5
17	ZIN 77489	*Alticola argentatus*	13.0	67	0.2	178/Al 0.5
18	ZIN 101796	*Alticola lemminus*	8.36	89	0.3	1950/Al 0.5
19	ZIN 101797	*Alticola lemminus*	7.96	89	0.3	2140/Al 0.5
20	ZIN 102289	*Alticola macrotis*	13.0	67	0.2	178/Al 0.5
21	ZIN 102307	*Alticola macrotis*	12.8	67	0.2	178/Al 0.5
22	ZIN 99351	*Alticola macrotis*	14.7	75	0.2	248/Al 1.0
23	ZIN 107067	*Alticola semicanus*	14.3	75	0.2	248/Al 1.0
24	ZIN 107068	*Alticola semicanus*	14.8	75	0.2	248/Al 1.0
25	ZIN 10034	*Arvicola amphibius*	19.7	84	0.2	522/Cu 0.1
26	ZIN 16365	*Arvicola amphibius*	21.1	84	0.2	522/Cu 0.1
27	ZIN 45399	*Arvicola amphibius*	21.0	84	0.2	522/Cu 0.1
28	ZIN 70703	*Chionomys nivalis*	14.5	67	0.2	178/Al 0.5
29	ZIN 71279	*Chionomys nivalis*	14.6	75	0.2	248/Al 1.0
30	ZIN 106369	*Chionomys nivalis*	14.5	75	0.2	248/Al 1.0
31	ZIN 102929	*Craseomys rufocanus*	8.28*	89	0.3	2000/Al 0.5
32	ZIN 81169	*Dicrostonyx torquatus*	17.0	84	0.2	522/Cu 0.1
33	ZIN 81254	*Dicrostonyx torquatus*	16.5	75	0.2	248/Al 1.0
34	ZIN 81552	*Dicrostonyx torquatus*	16.5	67	0.2	178/Al 0.5
35	ZIN 34835	*Dinaromys bogdanovi*	17.5	75	0.2	248/Al 1.0
36	ZIN 34887	*Dinaromys bogdanovi*	18.0	75	0.2	248/Al 1.0
37	ZIN 26607	*Ellobius lutescens*	18.5	84	0.2	522/Cu 0.1
38	ZIN 83708	*Ellobius lutescens*	19.0	75	0.2	248/Al 1.0
39	ZIN 85284	*Ellobius lutescens*	18.2	84	0.2	522/Cu 0.1
40	ZIN 85287	*Ellobius lutescens*	17.5	84	0.2	522/Cu 0.1
41	ZIN 11763	*Ellobius talpinus*	15.5	75	0.2	248/Al 1.0
42	ZIN 35828	*Ellobius talpinus*	14.5	75	0.2	248/Al 1.0
43	ZIN 82955	*Ellobius talpinus*	16.0	67	0.2	178/Al 0.5
44	ZIN 84395	*Ellobius talpinus*	16.0	75	0.2	248/Al 1.0
45	ZIN 102342	*Ellobius talpinus*	16.2	67	0.2	178/Al 0.5

46	ZIN 29170	*Lagurus lagurus*	12.7	58	0.2	127/Al 0.25
47	ZIN 57188	*Lagurus lagurus*	11.5	67	0.2	178/Al 0.5
48	ZIN 82110	*Lasiopodomys brandtii*	13.5	67	0.2	178/Al 0.5
49	ZIN 82114	*Lasiopodomys brandtii*	14.0	75	0.2	248/Al 1.0
50	ZIN 15332	*Lasiopodomys gregalis*	12.0	67	0.2	178/Al 0.5
51	ZIN 53120	*Lasiopodomys gregalis*	13.0	67	0.2	178/Al 0.5
52	ZIN 96293	*Lasiopodomys gregalis*	12.5	67	0.2	178/Al 0.5
53	ZIN 103094	*Lasiopodomys gregalis*	13.0	67	0.2	178/Al 0.5
54	ZIN 78327	*L. mandarinus*	13.0	75	0.2	248/Al 1.0
55	ZIN 78614	*L. mandarinus*	13.0	75	0.2	248/Al 1.0
56	ZIN 101665	*Lasiopodomys raddei*	11.5	67	0.2	178/Al 0.5
57	ZIN 105338	*Lasiopodomys raddei*	12.0	67	0.2	178/Al 0.5
58	ZIN 105341	*Lasiopodomys raddei*	12.1	67	0.2	178/Al 0.5
59	ZIN 105344	*Lasiopodomys raddei*	12.5	67	0.2	178/Al 0.5
60	ZIN 64159	*Lemmus sibiricus*	18.0	75	0.2	248/Al 1.0
61	ZIN 81239	*Lemmus sibiricus*	16.5	75	0.2	248/Al 1.0
62	ZIN 81241	*Lemmus sibiricus*	16.7	84	0.2	522/Cu 0.1
63	ZIN 19431	*Microtus arvalis*	12.5	67	0.2	178/Al 0.5
64	ZIN 56750	*Microtus arvalis*	12.6	67	0.2	178/Al 0.5
65	ZIN 78436	*Mynomes miurus*	14.3	75	0.2	248/Al 1.0
66	ZIN 40410	*Mynomes ochrogaster*	14.5	67	0.2	178/Al 0.5
67	ZIN 39888	*Mynomes pennsylvanicus*	13.5	67	0.2	178/Al 0.5
68	ZIN 74375	*Mynomes pennsylvanicus*	13.3	75	0.2	248/Al 1.0
69	ZIN 83753(6951)	*Mynomes pennsylvanicus*	14.5	75	0.2	248/Al 1.0
70	ZIN 40412	*Mynomes richardsoni*	15.5	75	0.2	248/Al 1.0
71	ZIN 21254	*Clethrionomys centralis*	12.3	67	0.2	178/Al 0.5
72	ZIN 107137	*Clethrionomys centralis*	12.5	67	0.2	178/Al 0.5
73	ZIN 106573	*Clethrionomys glareolus*	11.6	67	0.2	178/Al 0.5
74	ZIN 20967	*Clethrionomys rutilus*	7.96*	89	0.3	1500/Al 0.5
75	ZIN 20974	*Clethrionomys rutilus*	7.96*	89	0.3	1700/Al 0.5
76	ZIN 20978	*Clethrionomys rutilus*	7.88*	80	0.3	1700/Al 0.5
77	ZIN 20984	*Clethrionomys rutilus*	7.96*	89	0.3	1500/Al 0.5
78	ZIN 100554	*Myopus schisticolor*	12.0	67	0.2	178/Al 0.5
79	ZIN 103730	*Myopus schisticolor*	13.0	67	0.2	178/Al 0.5
80	ZIN 32560	*Ondatra zibethicus*	29.0	92	0.2	765/Cu 0.25
81	ZIN 69584	*Ondatra zibethicus*	30.6	92	0.2	765/Cu 0.25
82	ZIN 84176	*Ondatra zibethicus*	30.7	92	0.2	765/Cu 0.25
83	ZIN 31495	*Prometheomys schaposchnikowi*	17.5	84	0.2	522/Cu 0.1
84	ZIN 74487	*P. schaposchnikowi*	17.0	75	0.2	248/Al 1.0
85	ZIN 74969	*Terricola subterraneus*	12.0	67	0.2	178/Al 0.5
86	ZIN 80937	*Terricola subterraneus*	11.5	67	0.2	178/Al 0.5
87	ZIN 84244	*Terricola subterraneus*	11.5	67	0.2	178/Al 0.5
88	ZIN 39375	*Neotoma mexicana*	21.5	84	0.2	522/Cu 0.1
89	ZIN 39376	*Neotoma mexicana*	21.5	75	0.2	248/Al 1.0
90	ZIN 101697	*Cricetulus barabensis*	13.5	67	0.2	178/Al 0.5