

*Supplementary Information*

Phylogeny and distribution of Palearctic chipmunks *Eutamias* (Rodentia: Sciuridae)

Lissovsky A.A., Obolenskaya E.V., Ge D., Yang Q.

**Appendix S1:** List of specimens analysed in genetic study. Specimens involved in morphological study are marked with asterisk. Museum IDs of voucher specimens and localities are listed in Obolenskaya et al. (2009).

*Eutamias sibiricus sibiricus:*

AF147666  
AF147667  
EU050992  
EU050993  
EU050994  
EU050996  
EU050997  
EU050998  
EU050999  
EU051000  
EU051001  
EU051002  
EU051004  
EU754751  
EU754752  
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EU754754  
EU754755  
EU754756  
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EU754770\*  
EU754771\*  
EU754772\*  
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EU754780  
EU754781  
FJ655206\*  
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FJ655221\*  
FJ655222\*  
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FJ655224\*  
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FJ655226\*  
FJ655227\*  
FJ655228\*  
FJ655229\*  
FJ655230\*  
FJ655231\*  
FJ655232\*  
FJ655233  
FJ655234\*  
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FJ655256\*  
FJ655257\*  
FJ655258\*  
FJ655259\*  
FJ655260\*  
FJ655261\*  
FJ655262\*  
JN042553  
NC025277  
KX989535

*E. s. barberi:*

EU754805  
HQ214039  
HQ214034  
HQ214035  
HQ214036  
HQ214037  
HQ214038  
HQ214040  
HQ214041

HQ214042  
EU754782  
EU754783  
EU754784  
EU754785  
EU754786  
EU754787  
EU754788  
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EU754810\*  
EU754811  
EU754812\*  
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EU754818  
EU754819  
EU754820  
EU754821  
EU754822

*E. s. senescens:*

EU050995  
KX989534

*Tamias striatus:* AF147670  
*Tamias siskiyou:* AF147668  
*Tamias townsendii:* AF147676  
*Tamias senex:* AF147665  
*Tamias ruficaudus:* AF147661  
*Tamias panamintinus:* AF147656  
*Tamias quadrimaculatus:* AF147657  
*Tamias minimus:* AF147646  
*Tamias obscurus:* AF147651  
*Tamias merriami:* AF147644  
*Tamias canipes:* AF147635  
*Tamias durangae:* AF147642  
*Tamias rufus:* AF147662  
*Tamias quadrivittatus:* AF147658  
*Tamias dorsalis:* AF147641  
*Tamias dorsalis:* AF157924

*Tamias cinericollis*: AF147636

*Tamias bulleri*: AF147634

*Tamias amoenus*: AF147631

**Appendix S2:** List of specimens analysed in morphometric study. Specimen localities are followed by geographical coordinates (if the sample was included in distribution modeling) and Museum IDs. Specimens, which identification did not correspond to their geographical position after discriminant analysis or that have posterior probabilities below 0.75 are marked with asterisk.

**Abbreviations:**

Zoological Museum of Moscow University (ZMMU, Moscow);  
 Zoological Institute of the Russian Academy of Sciences (ZIN, Saint-Petersburg);  
 Natural History Museum (BMNH, London);  
 Institute of Zoology, Chinese Academy of Science (BZI, Beijing);  
 Northwest Institute of Plateau Biology of the Chinese Academy of Science (NWIPB, Xining);  
 American Museum of Natural History (AMNH, New York);  
 Smithsonian Institution (USNM, Washington);  
 Field Museum of Natural History (FMNH, Chicago);  
 Royal Ontario Museum (ROM, Toronto)  
 State Darwin Museum (SDM, Moscow).

***E. s. sibiricus***

China, Hebei Province, Zhangjiakou (40.810 N, 114.879 E): BZI 04920\*

China, Heilongjiang Province, Daling, Shon-he (45.019 N, 126.601 E): ZIN 38637, ZIN 38636

China, Heilongjiang Province, Fuyuan, Qindeli farm (48.083 N, 133.283 E): BZI 11318, BZI 11321, BZI 11320, BZI 11324, BZI 11326, BZI 11319, BZI 11302, BZI 11301, BZI 11330, BZI 11300, BZI 11296, BZI 11317

China, Heilongjiang Province, Gaofeng forest farm, Dahao (49.060 N, 125.160 E): ROM 112895, ROM 112896

China, Heilongjiang Province, Gaofeng forest park (49.050 N, 125.150 E): ROM 112953, ROM 112964

China, Heilongjiang Province, Maershan, Liaoyeling (45.240 N, 127.400 E): ROM 112856, ROM 112859

China, Heilongjiang Province, N bank Sungari river, 120 ml. NE of Sansing, 400 ft. (47.349 N, 131.725 E): USNM 201295, USNM 201296, USNM 201299, USNM 201300, USNM 201301\*, USNM 201302, USNM 201303, FMNH 43499,

China, Heilongjiang Province, Pingshan (45.180 N, 127.220 E): ROM 112824, ROM 112831, ROM 112836

China, Heilongjiang Province, Sanjiaohejie River (46.441 N, 129.065 E): ZMMU S-151631\*

China, Inner Mongolia Autonomous Region, Dongwuqi, Baogetashan (46.349 N, 118.970 E): BZI 24774, BZI 27811

China, Inner Mongolia Autonomous Region, East slope of Great Khingan, Yalu railway station (48.526 N, 122.148 E): ZMMU S-30118, ZMMU S-90812, ZMMU S-90813

China, Inner Mongolia Autonomous Region, Eergunaqi, Yitulihe (50.644 N, 121.573 E): BZI 03248, BZI 03206, BZI 11171, BZI 03271

China, Inner Mongolia Autonomous Region, Elunchunqi, Ganbilibier (50.590 N, 123.710 E): BZI 03220

China, Inner Mongolia Autonomous Region, Elunchunqi, Ganhe (50.628 N, 123.050 E): BZI 03203, BZI 03227, BZI 10351, BZI 10360, BZI 03216, BZI 03265, BZI 03230

China, Inner Mongolia Autonomous Region, Elunchunqi, Keyihe (50.650 N, 122.490 E): BZI 03269, BZI 10358, BZI 03177, BZI 03261

China, Inner Mongolia Autonomous Region, Great Khingan Mountains (48.75 N, 121.9 E): BMNH 10.5.1.24, BMNH 10.5.1.15., BMNH 10.5.1.9, BMNH 10.5.1.15, BMNH 10.5.1.9, BMNH 10.5.1.22, BMNH 10.5.1.14, BMNH 10.5.1.23, BMNH 10.5.1.12 N, 10.5.1.25, BMNH 10.5.1.16, BMNH 10.5.1.13\*

China, Inner Mongolia Autonomous Region, Hulun Buir pref., Great Khingan mts, 3600 (49.764 N, 121.907 E): FMNH 29040

China, Inner Mongolia Autonomous Region, Humengdongxinqi, Baertu (Dongqibaertu) (51.738 N, 126.620 E): BZI 24470

China, Inner Mongolia Autonomous Region, Xiguituqi, Tulihe (50.530 N, 121.740 E): BZI 03219, BZI 03192, BZI 03198, BZI 03194

China, Jilin Province, Sungari River, 60 ml. SW from Jilin, 500 ft. (42.844 N, 126.510 E): USNM 197885, USNM 197886, FMNH 43498

China, Jiling Province, 180 mil up Yalu river (41.792 N, 127.049 E): USNM 199631

China, Jiling Province, Antu, Shiqijie (43.000 N, 128.550 E): BZI 09339, BZI 09336, BZI 09337

China, Jiling Province, Fusong, Diqifamuchang (Famuchang) (42.035 N, 128.601 E): BZI 04678

China, Jiling Province, Fusong, Dumuli (41.898 N, 127.663 E): BZI 07972, BZI 07971\*, BZI 07974

China, Jiling Province, Fusong, Gudingzi (43.981 N, 126.369 E): BZI 04672\*, BZI 04676, BZI 04670

China, Jiling Province, Fusong, Manjiang (41.941 N, 127.628 E): BZI 04703, BZI 04696, BZI 04688, BZI 04692

China, Jiling Province, Fusong, Qichang (42.337 N, 127.266 E): BZI 04714

China, Jiling Province, Fusong, Sanfamuchang (42.035 N, 128.601 E): BZI 07978

China, Jiling Province, Fusong, Weishahe (41.737 N, 126.748 E): BZI 04698

China, Jiling Province, Han-tao-ho-tzu (42.829 N, 130.377 E): FMNH 44768

- China, Jiling Province, I-mien-po (45.068 N, 128.076 E): USNM 199636
- China, Jiling Province, Jiangxi, Feng-Tiem, 20 mile SSW of Chao-yang-chen, 2000 ft. (41.704 N, 123.948 E): USNM 197880, USNM 197882, USNM 197883, USNM 197884, FMNH 43497
- China, Jiling Province, Linjiang (41.807 N, 126.908 E): BZI 04680, BZI 04681
- China, Jiling Province, near I-mien-po, 700 ft. (45.054 N, 128.152 E): USNM 199637
- China, Jiling Province, Siaolin railway station (45.223 N, 127.745 E): ZMMU S-90820, ZMMU S-90818, ZMMU S-90819, ZMMU S-90811, ZMMU S-90816, ZMMU S-90814, AMNH 97761, AMNH 80948, FMNH 44350, FMNH 44767, FMNH 49915, FMNH 49916
- China, Jiling Province, Wangqing, Zangjiadian (43.619 N, 129.984 E): BZI 04834
- China, Liaoning Province, vicinity of Anshan (41.082 N, 123.114 E): SDM NV-1101
- China, Xinjiang Uyghur Autonomous Region, Aletai county (47.867 N, 88.117 E): BZI 23064, BZI 23065
- Japan, Central Hokkaido, Ochiai, 1200 ft. (43.110 N, 142.660 E): BMNH 7.2.7.14, BMNH 7.2.7.15, BMNH 7.2.7.16, BMNH 7.2.7.18, BMNH 7.2.7.11, BMNH 7.2.7.19, BMNH 7.2.7.13
- Kazakhstan, Vostochno-Kazakhstnskiy Region (49.104 N, 85.943 E): ZMMU S-16103, ZMMU S-16070, ZMMU S-16152, ZMMU S-16073, ZMMU S-16077, ZMMU S-16072, ZMMU S-16074
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Altai Mountains, Katon-Karagay (49.101 N, 85.433 E): ZMMU S-4776, ZMMU S-16141
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Bukhtarma River (49.189 N, 85.934 E): ZMMU S-16076, ZMMU S-14580, ZMMU S-16150, ZMMU S-16105
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Katon-Karagay (50.123 N, 80.218 E): ZMMU S-16121, ZMMU S-53385, ZMMU S-16110, ZMMU S-35224, ZMMU S-35220, ZMMU S-16122
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Leninogorskiy District (50.306 N, 83.671 E): ZMMU S-146002, ZMMU S-146001
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Markakol' Lake (48.830 N, 85.401 E): ZMMU S-137151
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Riderskiy District, Pikhtovka village (50.196 N, 82.980 E): ZMMU S-35221, ZMMU S-16148, ZMMU S-16146, ZMMU S-35226
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Sekisovka village (50.316 N, 82.568 E): ZMMU S-16018
- Kazakhstan, Vostochno-Kazakhstnskiy Region, Ust'-Kamenogorskiy District (49.911 N, 82.686 E): ZMMU S-16104
- Mongolia, Arkhangai Aymak, Khangay Range, Mokhan-Daba Pass: ZIN 90960
- Mongolia, Arkhangai Aymak, Tsetserleg River, vicinity of Tavshruleh (47.076 N, 101.796 E): ZMMU S-123498
- Mongolia, Bayan-Ölgii Aymak, 25 km S of Dayan-Nur Lake (48.219 N, 89.163 E): ZMMU S-121606
- Mongolia, Bayan-Ölgii Aymak, upper Dzhelty-Gol River (48.146 N, 88.997 E): ZMMU S-124847
- Mongolia, Khentii Aymak, S of Khentey Range, Khandgaite (47.535 N, 107.739 E): ZMMU S-40118, ZMMU S-42199
- Mongolia, Khentii Aymak, S of Khentey Range, Khandgaite (48.612 N, 106.515 E): ZIN 90589
- Mongolia, Khövsgöl Aymak, 25 km N of Khatgol, Arsay-Gol River (50.695 N, 100.131 E): ZMMU S-132458, ZMMU S-132460
- Mongolia, Khövsgöl Aymak, 30 km S from Dzhargalant, Tarbagatay Range (48.733 N, 100.036 E): ZMMU S-138791, ZMMU S-138789, ZMMU S-138792, ZMMU S-138794, ZMMU S-138793
- Mongolia, Khövsgöl Aymak, Ider River, 20 km NW from Dzhargalant (48.999 N, 100.091 E): ZMMU S-13042
- Mongolia, Khövsgöl Aymak, Khangay Range, upper Tekesh River, tributary of Ider River (48.432 N, 98.279 E): ZIN 20232
- Mongolia, NW part, ZMMU S-50808
- Mongolia, Töv Aymak, 15 miles N of Urga (48.008 N, 106.611 E): FMNH 25576
- Mongolia, Töv Aymak, 45 miles NE of Urga (48.338 N, 107.722 E): FMNH 25578, FMNH 25579, FMNH 25580, FMNH 25581
- Mongolia, Uvs Aymak, Khan-Khukhiyiin-Nuruu Range, Barun-Turun Somon (49.340 N, 94.120 E): ZMMU S-42180
- Mongolia, Zavkhan Aymak, 150 km N of Ulyasutay (48.245 N, 96.872 E): ZMMU S-42174
- Mongolia, Zavkhan Aymak, Dzhugnay-Nur Lake (49.333 N, 97.500 E): ZMMU S-147254
- Mongolia, Zavkhan Aymak, valley of Bogdyn-Gol River (47.680 N, 97.028 E): ZMMU S-61594
- mouth of the Zheltuga River (53.244 N, 119.248 E): ZMMU S-175376
- North Korea, 120 ml. up Yalu river, 100 ft., USNM 199632
- North Korea, Hamgyong-Bukto Province, Musan (42.220 N, 129.220 E): 13.5.27.46
- North Korea, Hwanghae-Bukto Province, Sariwon (41.320 N, 128.838 E): ZMMU S-55337, ZMMU S-55336, ZMMU S-55338
- North Korea, Hwanghae-Namdo Province, Kaisyu surroundings (41.433 N, 129.138 E): ZMMU S-55339, ZMMU S-55341, ZMMU S-55340
- North Korea, Hwanghae-Namdo Province, vicinity of Inritsu (41.126 N, 129.415 E): ZMMU S-55335\*
- North Korea, Nojido, Nonsation (42.170 N, 129.170 E): AMNH 33991 N, 13.5.27.43, AMNH 33991, AMNH 33992, AMNH 34000, AMNH 33975, AMNH 34002, AMNH 33989, AMNH 33995, AMNH 33979, AMNH 33983, AMNH 33986, AMNH 33990, AMNH 33964, AMNH 33971, AMNH 33967, AMNH 33985, AMNH 33973, AMNH 33974, AMNH 33981, AMNH 33994\*
- North Korea, Potaidon (42.100 N, 129.150 E): BMNH 13.5.27.45, AMNH 33998

- Russia, Altai Territory, Charyshskiy District, upper Inya River (50.993 N, 83.719 E): ZMMU S-171518
- Russia, Altai Territory, Krasnoshchokovskiy District, Khankhara village (51.332 N, 82.540 E): ZMMU S-20764
- Russia, Altai Territory, Troitskiy District (52.907 N, 84.609 E): ZMMU S-16027
- Russia, Amur Region, Shimanovskiy District, between Simonovo and Stepanovo villages (51.773 N, 127.301 E): ZIN 42580, ZIN 42577, ZIN 42576, ZIN 42574, ZIN 42563, ZIN 42584, ZIN 42588, ZIN 42586, ZIN 42564, ZIN 42566
- Russia, Amur Region, Shimanovskiy District, vicinity of Kumara village (51.626 N, 126.688 E): ZIN 19017
- Russia, Amur Region, Svobodninskiy District, between Zigovka and Klimauts villages (51.344 N, 127.760 E): ZIN 42716, ZIN 39499, ZIN 39452, ZIN 42713, ZIN 42714, ZIN 44138, ZIN 39455, ZIN 44136, ZIN 44135, ZIN 44133
- Russia, Amur Region, vicinity of Blagoveshchensk (50.398 N, 127.405 E): ZIN 18583
- Russia, Amur Region, Zeysky Nature Reserve, Tukuringra Range, Onon (54.061 N, 127.075 E): ZIN 19001, ZIN 19002
- Russia, Arkhangelsk Region, Kholmogorskiy District, vicinity of Yura village (64.235 N, 41.792 E): ZIN 29382
- Russia, Arkhangelsk Region, Ust'yanskiy District, vicinity of Chadroma (61.182 N, 43.176 E): ZMMU S-178881
- Russia, Irkutsk Region, Baikalo-Lenskiy Nature Reserve, upper Lena River (54.020 N, 107.910 E): ZMMU S-167396
- Russia, Irkutsk Region, former Sayanskiy Nature Reserve (54.148 N, 96.729 E): ZMMU S-44530
- Russia, Irkutsk Region, Irkutskiy District, Listvyanka village (51.882 N, 104.849 E): BMNH 15.3.9.14
- Russia, Irkutsk Region, Nizhneudinskiy District, Verhnyaya Gutara village (54.096 N, 96.609 E): ZMMU S-44529
- Russia, Irkutsk Region, Taishetskiy District, 23 km N of Taishet (55.998 N, 98.010 E): ZIN 30164
- Russia, Irkutsk Region, Ust'-Kutskiy District, Ust'-Kut (56.831 N, 105.639 E): ZIN 15241
- Russia, Irkutsk Region, Ust-Ordynskiy Buryatskiy District, Golovinskaya village (53.449 N, 102.678 E): BMNH 14.11.1.17
- Russia, Irkutsk Region, Zhigalovskiy District, Ilga River, vicinity of Kochnya village (54.437 N, 104.660 E): ZIN 20451, ZIN 20452
- Russia, Irkutsk Region, Zhigalovskiy District, Zhigalovo (54.766 N, 104.934 E): ZMMU S-8757
- Russia, Jewish Autonomous Region, Leninskiy District, Kukelevo village (47.898 N, 132.429 E): ZMMU S-37531
- Russia, Kamchatka Region, mouth of Penzhina River (62.488 N, 166.129 E): ZMMU S-14668\*
- Russia, Khabarovsk Territory, Ayano-Mayskiy District, Ayan village (56.486 N, 137.907 E): ZMMU S-147992, ZIN 88789, ZIN 88787
- Russia, Khabarovsk Territory, Bolhoy Shantar Island (54.882 N, 137.559 E): ZMMU S-14686
- Russia, Khabarovsk Territory, Bolshoye Kizi Lake, mouth of Taba River (51.648 N, 140.694 E): ZIN 19024, ZIN 19027\*, ZIN 19026
- Russia, Khabarovsk Territory, Chumikanskiy District, Tugurskiy Peninsula, Konstantin Bay (54.051 N, 137.212 E): ZMMU S-16108
- Russia, Khabarovsk Territory, Imeni Lazo District, Khor River (47.893 N, 134.893 E): ZMMU S-16174
- Russia, Khabarovsk Territory, Komsomol'sk-na-Amur District, Nizhne-Tambovskoe village (50.926 N, 138.170 E): ZIN 19040, ZIN 19042, ZIN 19047, ZIN 19044, ZIN 19045, ZIN 19048
- Russia, Khabarovsk Territory, Komsomol'sk-na-Amure District, Khungari River (50.115 N, 137.359 E): ZMMU S-58139, ZMMU S-58140\*
- Russia, Khabarovsk Territory, lower part of Amur River, Sofiyskoe village (51.557 N, 139.785 E): ZIN 19010, ZIN 19014
- Russia, Khabarovsk Territory, Okhotskiy District, Uega village (60.788 N, 142.754 E): ZIN 88796, ZIN 884796\*
- Russia, Khabarovsk Territory, Okhotskiy District, vicinity of Okhotsk, Morekanskiy Cape (59.363 N, 143.327 E): ZIN 29695
- Russia, Khabarovsk Territory, Sea of Okhotsk, Tugurskiy Peninsula, Ul'banskiy Bay, Betti spit (53.777 N, 137.376 E): ZMMU S-16107
- Russia, Khabarovsk Territory, Verhnebureinskiy District, Suluk village (50.771 N, 133.619 E): ZMMU S-148520
- Russia, Khanty-Mansiyskiy Autonomous District, 80 km N of Khanty-Mansiysk (61.419 N, 68.802 E): ZMMU S-78167
- Russia, Khanty-Mansiyskiy Autonomous District, Berezovsiy District, Lyapin River, upper Manya River (64.736 N, 59.909 E): ZIN 17800
- Russia, Khanty-Mansiyskiy Autonomous District, Berezovsiy District, Saranpaul' village, Lyapin River (64.263 N, 61.082 E): ZIN 17802
- Russia, Khanty-Mansiyskiy Autonomous District, Khanty-Mansiysk (60.950 N, 68.369 E): ZMMU S-53432, ZMMU S-53440, ZMMU S-53433, ZMMU S-53434
- Russia, Khanty-Mansiyskiy Autonomous District, Malaya Sos'va Nature Reserve (62.008 N, 64.045 E): ZMMU S-34347, ZMMU S-34348, ZMMU S-34345, ZMMU S-34344
- Russia, Koryakskiy Autonomous District, Tilichikinskiy District, Anukvayam River (61.269 N, 170.143 E): ZIN 50458, ZIN 50459
- Russia, Krasnoyarskiy Territory, Baykitskiy District, Podkamennaya Tunguska River, Baikit village (61.650 N, 96.272 E): ZIN 88523, ZIN 88522, ZIN 88533, ZIN 88529, ZIN 88527, ZIN 88530, ZIN 88528, ZIN 88531
- Russia, Krasnoyarskiy Territory, Boguchanskiy District, Maleevo village (57.422 N, 97.570 E): ZIN 66749

- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Enisey River, Fomka village (60.503 N, 89.936 E): ZMMU S-127167, ZMMU S-127168, ZMMU S-127169, ZMMU S-127067
- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Kolmogorovo village (59.136 N, 91.254 E): ZMMU S-171478, ZMMU S-127162, ZMMU S-127159, ZMMU S-127161, ZMMU S-127164, ZMMU S-127158, ZMMU S-127167, ZMMU S-127160
- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Oflatym Lake (60.709 N, 86.721 E): ZMMU S-16022
- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Oksym River, tributary of Sym River (60.298 N, 88.044 E): ZMMU S-16035, ZMMU S-16021, ZMMU S-16019, ZMMU S-16020
- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Pogodaevo village (58.556 N, 92.156 E): ZMMU S-171489, ZMMU S-127166, ZMMU S-171488, ZMMU S-127165
- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Sym River (60.633 N, 87.235 E): ZMMU S-53454
- Russia, Krasnoyarskiy Territory, Eniseyskiy District, Sym River, middle flow (60.515 N, 87.294 E): ZMMU S-16149, ZMMU S-16159
- Russia, Krasnoyarskiy Territory, Ermakovskiy District, old Usinsk road, Kulumys station (53.000 N, 93.040 E): ZIN 33491
- Russia, Krasnoyarskiy Territory, Ermakovskiy District, old Usinsk road, Malaya Oya station (53.254 N, 92.506 E): ZIN 33492
- Russia, Krasnoyarskiy Territory, Kuraginskiy District, Mozharka village. (53.891 N, 93.395 E): ZIN 88515, ZIN 88517
- Russia, Krasnoyarskiy Territory, Nizhnyaya Tunguska River (63.872 N, 96.454 E): ZIN 28863, ZIN 24243, ZIN 24239, ZIN 28862, ZIN 24240
- Russia, Krasnoyarskiy Territory, Shushenskiy District, 100 miles SE of Minusinsk, Yenisei River, 1000 ft. (54.419 N, 93.485 E): BMNH 12.4.1.16, BMNH 12.4.1.17
- Russia, Krasnoyarskiy Territory, Tungusko-Chumskiy District, Chamba (60.375 N, 101.978 E): ZMMU S-64742, ZMMU S-64726, ZMMU S-64724, ZMMU S-64744
- Russia, Krasnoyarskiy Territory, Turuchanskiy District, Mirnoe research station (62.372 N, 89.062 E): ZMMU S-101528, ZMMU S-134932, ZMMU S-134939, ZMMU S-134933, ZMMU S-134941, ZMMU S-145714, ZMMU S-134934, ZMMU S-134937, ZMMU S-145713, ZMMU S-134940, ZMMU S-134943, ZMMU S-134942, ZMMU S-134936, ZMMU S-145715, ZMMU S-106164, ZMMU S-171484, ZMMU S-101524, ZMMU S-101525, ZMMU S-101527, ZMMU S-101523, ZMMU S-105782, ZMMU S-105781, ZMMU S-105779, ZMMU S-101516, ZMMU S-96636, ZMMU S-105778, ZMMU S-101515, ZMMU S-105786, ZMMU S-101526
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Eloguy River (62.750 N, 87.283 E): BMNH 57.140, BMNH 57.130
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Enisey River, Komsa village (61.793 N, 89.289 E): ZMMU S-64600, ZMMU S-64631, ZMMU S-64618, ZMMU S-64620, ZMMU S-64628, ZMMU S-64612, ZMMU S-64645, ZMMU S-64604, ZMMU S-64636, ZMMU S-64651, ZMMU S-64608, ZMMU S-64644, ZMMU S-64660, ZMMU S-64621, ZMMU S-64614, ZMMU S-64623, ZMMU S-64638, ZMMU S-64634
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Enisey River, Osinovo village (61.409 N, 90.193 E): ZMMU S-72432, ZMMU S-72431, ZMMU S-72430, ZMMU S-72429, ZMMU S-75003, ZMMU S-72431
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Enisey River, Verkhne-Imbatskoe N (63.174 N, 88.043 E): ZMMU S-64691
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Tura (64.318 N, 100.229 E): ZMMU S-16176, ZMMU S-16178, ZMMU S-16177
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Varlamovka village (62.397 N, 89.147 E): ZMMU S-171487, ZMMU S-171487
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, vicinity of Bor village (61.582 N, 90.218 E): ZMMU S-171491, ZMMU S-171471
- Russia, Krasnoyarskiy Territory, Turukhanskiy District, Vorogovo village (60.988 N, 89.529 E): ZMMU S-145282, ZMMU S-145283
- Russia, Magadan Region, 72 km N of Magadan (60.204 N, 150.823 E): SDM NV-1107
- Russia, Magadan Region, Okhotskoe Sea, Babushkina Bay (59.266 N, 153.455 E): ZIN 52285, ZIN 52287
- Russia, Magadan Region, Okhotskoe Sea, Babushkina Bay (61.314 N, 149.149 E): ZIN 52288
- Russia, Magadan Region, Ol'skiy District, Yagodnoe River (59.761 N, 151.131 E): ZMMU S-136249
- Russia, Magadan Region, Omsukchanskiy District, Gatchan River (62.546 N, 155.774 E): ZIN 52272, ZIN 52271, ZIN 52273
- Russia, Magadan Region, Sea of Okhotsk, mouth of Yama River (59.621 N, 154.061 E): ZMMU S-88355
- Russia, Magadan Region, Srednekanskiy District, Kolyma River, middle part of Bulun River (65.521 N, 155.712 E): ZIN 88599, ZIN 52279, ZIN 52277, ZIN 52274, ZIN 52275, ZIN 52280
- Russia, Magadan Region, Ten'kinskiy District, Kolyma River, Butygychag (61.314 N, 149.149 E): ZIN 52281, ZIN 52331
- Russia, Magadan Region, Ten'kinskiy District, Kolyma River, middle part of Detrin River (61.445 N, 149.641 E): ZIN 52284, ZIN 52282, ZIN 52283



- Russia, Magadan Region, upper Kolyma River, Ten'kinskiy District, Orotuk village (62.192 N, 148.533 E): ZIN 30257  
 Russia, Magadan Region, vicinity of Elekchanskies lake, upper Yama River (60.793 N, 151.793 E): ZIN 3578  
 Russia, Moscow Region, east side of Glubokoe Lake (introduced population): ZMMU S-177991  
 Russia, Moscow Region, Ruzskiy District, vicinity of Porechye (introduced population): ZMMU S-178932, ZMMU S-178931, ZMMU S-178930, ZMMU S-188776  
 Russia, Nizhniy Novgorod Region, Yakovlevo village (55.849 N, 42.638 E): ZMMU S-28034, ZMMU S-28033  
 Russia, Novosibirsk Region (55.063 N, 82.416 E): ZIN 80763  
 Russia, Novosibirsk Region, vicinity of Novosibirsk (54.867 N, 82.958 E): ZMMU S-16030  
 Russia, Primorskiy Territory, 25 km NE of Vladivostok (43.223 N, 132.213 E): ZIN 19005  
 Russia, Primorskiy Territory, Anuchinskiy District, 41 km N of Chernyshevka village (44.182 N, 133.054 E): ZMMU S-173273  
 Russia, Primorskiy Territory, Dal'negorskiy District, vicinity of Tetyukhe mine (44.555 N, 135.614 E): ZIN 19022  
 Russia, Primorskiy Territory, Dal'negorskiy District, vicinity of Tetyukhe bay (44.386 N, 135.731 E): ZIN 19023\*  
 Russia, Primorskiy Territory, Dal'nerechenskiy District, Bol'shaya Ussurka River, vicinity of Verbovka village (45.982 N, 134.246 E): ZMMU S-67773, ZMMU S-57448  
 Russia, Primorskiy Territory, Dal'nerechenskiy District, Evseevka village (44.292 N, 132.595 E): ZMMU S-14611, ZMMU S-14613, ZMMU S-14604, ZMMU S-14608  
 Russia, Primorskiy Territory, Iman river (45.947 N, 133.823 E): ZMMU S-57449  
 Russia, Primorskiy Territory, Kedrovaya pad' Nature Reserve (42.877 N, 131.147 E): ZMMU S-90823  
 Russia, Primorskiy Territory, Kedrovaya pad' Nature Reserve, Barabashskiy District (43.029 N, 131.157 E): ZMMU S-30234  
 Russia, Primorskiy Territory, Lazovskiy District, 40 km SW of Sysoevka village (43.245 N, 133.993 E): ZMMU S-81527  
 Russia, Primorskiy Territory, Lazovskiy Nature Reserve (43.153 N, 133.879 E): ZMMU S-41306, ZMMU S-40628, ZMMU S-40625, ZMMU S-40646\*, ZMMU S-41301, ZMMU S-40639, ZMMU S-40633, ZMMU S-40632, ZMMU S-41302, ZMMU S-40640, ZMMU S-40630, ZMMU S-40637, ZMMU S-40642, ZMMU S-40638, ZMMU S-41296, ZMMU S-40627, ZMMU S-40624  
 Russia, Primorskiy Territory, Nadezhdinskiy District, vicinity of Razdol'naya railway station (43.555 N, 131.899 E): ZIN 19030, ZIN 19031  
 Russia, Primorskiy Territory, Novopokrovskiy District, Kartun village (45.872 N, 134.903 E): ZMMU S-32084, S-32082  
 Russia, Primorskiy Territory, Ol'ginskiy District (43.934 N, 135.084 E): ZIN 25447  
 Russia, Primorskiy Territory, Ol'ginskiy District, Kankheza River (44.666 N, 135.000 E): ZIN 25444, ZIN 25447  
 Russia, Primorskiy Territory, Ol'ginskiy District, Steklyanukha Shkotovskaya village (43.782 N, 135.262 E): ZMMU S-14620  
 Russia, Primorskiy Territory, Partizanskiy District, Bronvichi village N (43.399 N, 133.056 E): ZIN 19021  
 Russia, Primorskiy Territory, Partizanskiy District, vicinity of Fanza railway station (43.183 N, 133.110 E): ZIN 19033, ZIN 19033, ZIN 19036  
 Russia, Primorskiy Territory, Partizanskiy District, vicinity of Partizansk railway station (43.166 N, 132.811 E): ZIN 16558, ZIN 16558  
 Russia, Primorskiy Territory, Partizanskiy District, vicinity of Taezhnaya railway station (43.171 N, 132.971 E): ZIN 18586  
 Russia, Primorskiy Territory, Shkotovskiy District, Petrovka Village (43.316 N, 132.361 E): ZIN 19019  
 Russia, Primorskiy Territory, Sikhote-Alinskiy Nature Reserve, upper Ioldzykhe (Dzhigitovka) River (45.100 N, 135.850 E): ZIN 18999  
 Russia, Primorskiy Territory, Sikhote-Alinskiy Nature Reserve, Zimoveiniy (45.153 N, 136.519 E): ZMMU S-77087, ZMMU S-77086, ZIN 66744, ZIN 66748, ZIN 66746, ZIN 66745, ZIN 66743  
 Russia, Primorskiy Territory, Slavyanskiy District, Kraskino village (42.769 N, 130.768 E): ZMMU S-55333  
 Russia, Primorskiy Territory, Spasskiy District, vicinity of Gaivoron village (44.746 N, 132.858 E): ZMMU S-173275  
 Russia, Primorskiy Territory, Terney District, Sikhote-Alin Nature Reserve (45.153 N, 136.056 E): ZMMU S-78553  
 Russia, Primorskiy Territory, Ussuriyskiy District, Suputinka River (43.711 N, 132.063 E): ZMMU S-163442, ZMMU S-163440, ZMMU S-163443, ZMMU S-163444  
 Russia, Primorskiy Territory, vicinity of Vladivostok, Okeanskaya railway station (43.250 N, 132.030 E): ZIN 17360  
 Russia, Republic of Bashkortostan, Bashkirskiy Nature Reserve (52.691 N, 56.617 E): ZMMU S-47802  
 Russia, Republic of Bashkortostan, Dyurtyumskiy District (55.306 N, 54.594 E): ZMMU S-9187, ZMMU S-9186  
 Russia, Republic of Bashkortostan, Kirabinskoye village (54.561 N, 58.833 E): ZIN 20169  
 Russia, Republic of Bashkortostan, Mrakovskiy District (52.674 N, 56.952 E): ZMMU S-16036  
 Russia, Republic of Bashkortostan, Tamyan-Katayskiy kanton, Uzyan River (53.038 N, 57.437 E): ZIN 21697, ZIN 21696  
 Russia, Republic of Bashkortostan, vicinity of Angasyak (55.631 N, 54.771 E): ZMMU S-12150  
 Russia, Republic of Buryatia, Baikal'skiy Nature Reserve (51.466 N, 105.409 E): ZMMU S-93231, ZMMU S-93230, ZMMU S-93229

- Russia, Republic of Buryatia, Barguzinskiy Nature Reserve (54.443 N, 109.469 E): ZMMU S-36666, ZMMU S-35668
- Russia, Republic of Buryatia, Barguzinskiy Nature Reserve, Kudaldy River (54.537 N, 109.439 E): ZMMU S-35673, ZMMU S-35675, ZMMU S-35676, ZMMU S-35674
- Russia, Republic of Buryatia, Barguzinskiy Nature Reserve, Shumilikha River (54.370 N, 109.462 E): ZMMU S-35670, ZMMU S-14581, ZMMU S-35667
- Russia, Republic of Buryatia, Khamar-Daban Mountains, Komarinskiy Range (51.517 N, 103.544 E): ZIN 38427, ZIN 38421, ZIN 38418, ZIN 38417, ZIN 38420, ZIN 38416, ZIN 38415, ZIN 38424
- Russia, Republic of Buryatia, NE of Baikal Lake, Sosnovka river (54.315 N, 109.533 E): ZMMU S-4601
- Russia, Republic of Buryatia, Severo-Baikal'skiy District, Shinanda River (54.950 N, 109.702 E): ZMMU S-4603, ZMMU S-4606, ZMMU S-4602, ZMMU S-4605, ZMMU S-4604, ZMMU S-4608
- Russia, Republic of Gorno-Altai, Altai Mountains, Biya River valley, the Upper Izvech (51.595 N, 87.789 E): ZMMU S-69252
- Russia, Republic of Gorno-Altai, Altai Mountains, Teletskoye Lake (51.557 N, 87.502 E): ZMMU S-16247
- Russia, Republic of Gorno-Altai, Altai Mountains, Teletskoye Lake (51.481 N, 87.813 E): ZMMU S-33238
- Russia, Republic of Gorno-Altai, Altai Mountains, Ukok Plateau (49.600 N, 87.890 E): BMNH 23.12.1.28
- Russia, Republic of Gorno-Altai, Altaiskiy Nature Reserve (51.595 N, 87.789 E): ZMMU S-49360, ZMMU S-75124, ZMMU S-16210, ZMMU S-16205, ZMMU S-16231, ZMMU S-16245, ZMMU S-16226, ZMMU S-16239, ZMMU S-49361, ZMMU S-33237, ZMMU S-33236, ZMMU S-16203, ZMMU S-16244, ZMMU S-33241, ZMMU S-16221, ZMMU S-16229
- Russia, Republic of Gorno-Altai, Chernal'skiy District, upper Oroktoy River (51.051 N, 86.126 E): ZMMU S-9949, ZMMU S-9398, ZMMU S-9397, ZMMU S-9954, ZMMU S-9396, ZMMU S-9952, ZMMU S-9953, ZMMU S-9950
- Russia, Republic of Gorno-Altai, Kosh-Agachskiy District, Kara-Kol' Lake (50.313 N, 89.890 E): ZMMU S-9684
- Russia, Republic of Gorno-Altai, Rakhmanovskiye Klyuchi, southern side of Belukha Mountain (49.540 N, 86.580 E): BMNH 23.12.1.27
- Russia, Republic of Gorno-Altai, S Altai, Argut River, tributary of Katun (50.176 N, 86.778 E): BMNH 23.12.1.20
- Russia, Republic of Gorno-Altai, S Altai, between Bortoolvag and Kaiir Rivers, tributary of Argut (50.040 N, 86.910 E): BMNH 23.12.1.19
- Russia, Republic of Gorno-Altai, Teletskoye Lake, mouth of Koldor River (51.783 N, 87.543 E): 23.12.1.24
- Russia, Republic of Gorno-Altai, Turochakskiy District, Kebezen' village (50.815 N, 86.704 E): ZMMU S-81467, ZMMU S-81470, ZMMU S-81473, ZMMU S-81474, ZMMU S-81468, ZMMU S-81469, ZMMU S-81464, ZMMU S-81476, ZMMU S-81463, ZMMU S-81472, ZMMU S-81477, ZMMU S-81462, ZMMU S-81471, ZMMU S-81466, ZMMU S-81465, ZMMU S-81478
- Russia, Republic of Gorno-Altai, Turochakskiy District, Yailyu, N side of Teletskoe Lake (51.774 N, 87.736 E): ZMMU S-41329
- Russia, Republic of Gorno-Altai, Ulaganskiy District (50.484 N, 87.129 E): ZMMU S-10001
- Russia, Republic of Gorno-Altai, Ulaganskiy District, Kozhulgan River (51.365 N, 87.936 E): ZMMU S-9395
- Russia, Republic of Gorno-Altai, Ulaganskiy District, upper Shavly River (51.015 N, 89.046 E): ZMMU S-9680
- Russia, Republic of Gorno-Altai, Ulaganskiy District, upper Shavly River (53.994 N, 93.264 E): ZMMU S-9679
- Russia, Republic of Gorno-Altai, Ust'-Koksinskiy District, Katanda village (50.752 N, 87.624 E): ZMMU S-18815, ZMMU S-18819, ZMMU S-18824, ZMMU S-18817, ZMMU S-18818, ZMMU S-18826, ZMMU S-18828, ZMMU S-18811, ZMMU S-18816, ZMMU S-18812, ZMMU S-18823, ZMMU S-18827, BMNH 23.12.1.25
- Russia, Republic of Gorno-Altai, Ongudayskiy District, Seminskiy pass (51.039 N, 85.606 E): ZMMU S-61061
- Russia, Republic of Khakassia, Tashtypskiy District, Ana River (52.188 N, 89.837 E): ZMMU S-90416
- Russia, Republic of Khakassia, Tashtypskiy District, Monok village (52.762 N, 90.314 E): ZMMU S-14599, ZMMU S-14596, ZMMU S-14595
- Russia, Republic of Khakassia, Tashtypskiy District, upper Erinat River (51.375 N, 88.546 E): ZMMU S-9947, ZMMU S-9946
- Russia, Republic of Komi, Sosnogorsk District, vicinity of Voi-Vozhi village (62.869 N, 55.181 E) ZMMU S-36352
- Russia, Republic of Komi, Troitsko-Pechorskiy District, Pechorskiy Nature Reserve (62.894 N, 56.596 E): ZMMU S-35340
- Russia, Republic of Komi, Ust'-Kulomskiy District, vicinity of Pod'el'skoe (61.930 N, 52.725 E): ZMMU S-16170
- Russia, Republic of Tuva, Biy-Khemskiy District, 30 km NE of Turan (52.208 N, 94.365 E): ZIN 39903, ZIN 39905
- Russia, Republic of Tuva, Mongun-Taiynginskiy District, Kargy River, Semigorki (50.357 N, 90.648 E): ZMMU S-168631
- Russia, Republic of Tuva, Tandinskiy District, Chagyty Lake (50.993 N, 94.750 E): ZMMU S-75123
- Russia, Republic of Tuva, Tes-Khemskiy District, Kara-Khol' Lake (50.546 N, 97.007 E): ZMMU S-136727
- Russia, Republic of Tuva, Todzhinskiy District, Biy-Khem River (52.858 N, 95.843 E): ZIN 32652
- Russia, Republic of Tuva, Todzhinskiy District, Yrban village (52.704 N, 95.758 E): ZMMU S-112243, ZMMU S-112241, ZMMU S-112242
- Russia, Republic of Yakutia-Sakha, 30 km N of Yakutsk (62.326 N, 129.694 E): ZMMU S-64175, ZMMU S-64176, ZMMU S-64185, ZMMU S-64177, ZMMU S-64179, ZMMU S-64184, ZIN 19660

- Russia, Republic of Yakutia-Sakha, Mirninskiy Ulus, Chona River, Tuoy-Khoya village (62.043 N, 111.325 E): ZIN 15786
- Russia, Republic of Yakutia-Sakha, Momskiy Ulus, Indigirka River, mouth of Moma River (66.489 N, 143.047 E): ZIN 25359
- Russia, Republic of Yakutia-Sakha, Namskiy Ulus, Arbynskiy Nasleg (60.606 N, 113.589 E): ZIN 15232
- Russia, Republic of Yakutia-Sakha, Neryungri District, upper Amutkan River (57.673 N, 125.058 E): ZMMU S-5546, ZMMU S-5544, ZMMU S-5541
- Russia, Republic of Yakutia-Sakha, Neryungri District, upper Amutkan River, 60 verst N of Khorym station of Amur-Yakutsk highway (57.694 N, 125.209 E): ZMMU S-5551, ZMMU S-5549, ZMMU S-5640, ZMMU S-5539, ZMMU S-5550, ZMMU S-5636, ZMMU S-5534, ZMMU S-5538, ZMMU S-5556, ZMMU S-5548, ZMMU S-5543, ZMMU S-5635, ZMMU S-5538, ZMMU S-5533, ZMMU S-5558
- Russia, Republic of Yakutia-Sakha, Neryungri District, Kholodnikan Mountain (57.937 N, 125.105 E): ZIN 19008, ZIN 19009
- Russia, Republic of Yakutia-Sakha, Suntarskiy Ulus, Bilyuchan village (62.448 N, 115.444 E): ZMMU S-14689
- Russia, Republic of Yakutia-Sakha, Suntarskiy Ulus, Suntary village (62.141 N, 117.516 E): ZIN 20124
- Russia, Republic of Yakutia-Sakha, Verkhoyanskiy Ulus, Burulah River, tributary of Adycha River (67.190 N, 135.595 E): ZIN 15717
- Russia, Republic of Yakutia-Sakha, Verkhoyanskiy Ulus, Tuostakh River, tributary of Adycha, 40 km from mouth (67.824 N, 136.467 E): ZMMU S-160599
- Russia, Republic of Yakutia-Sakha, Verkhoyanskiy Ulus, upper Yana River, Ken-Yuryakh village (65.900 N, 131.520 E): ZIN 16699, ZIN 16700, ZIN 16698
- Russia, Republic of Yakutia-Sakha, vicinity of Yakutsk (61.827 N, 129.219 E): ZMMU S-14679, ZIN 15233
- Russia, Sakhalin Region, Korsakov District, 30 km NW of Korsakov (47.012 N, 142.405 E): BMNH 7.2.5.103
- Russia, Sakhalin Region, Kunashir Island, vicinity of Yuzhno-Kuril'sk (44.113 N, 145.860 E): ZIN 33405
- Russia, Sakhalin Region, Nevel'skiy District, vicinity of Lugovoe village (46.460 N, 141.915 E): ZMMU S-90822
- Russia, Sakhalin Region, Okhinskiy District, vicinity of Lyugi village (53.478 N, 142.012 E): ZMMU S-16049
- Russia, Sakhalin Region, Okhinskiy District, vicinity of Okha, 28 km railway station (53.539 N, 142.854 E): ZMMU S-87687, ZMMU S-87686, ZMMU S-87683, ZMMU S-87707, ZMMU S-87700, ZMMU S-87704, ZMMU S-87690, ZMMU S-87688, ZMMU S-87699, ZMMU S-87684, ZMMU S-87681
- Russia, Sakhalin Region, Tymovskiy District, vicinity of Argi-Pagi village (51.333 N, 142.667 E): ZMMU S-14680
- Russia, Sverdlovsk Region, Denezhkin kamen' Nature Resrve (60.375 N, 59.546 E): ZMMU S-49747, ZMMU S-49748
- Russia, Sverdlovsk Region, Karpinskiy District, Katlym village (59.504 N, 59.291 E): ZMMU S-80264
- Russia, Sverdlovsk Region, Novolyalinskiy District, Novaya Lyalya village (59.103 N, 60.666 E): ZIN 47628, ZIN 47629
- Russia, Tomsk Region, Tomsk District, former Kruglihina village (56.467 N, 85.058 E): ZMMU S-3470
- Russia, Tyumen Region, vicinity of Tobol'sk (58.155 N, 68.492 E): ZMMU S-14586, ZMMU S-14587
- Russia, Vologda Region, Poraga village (60.681 N, 46.403 E): ZMMU S-32507, ZMMU S-32508
- Russia, Yamalo-Nenetskiy Autonomous District, Pitlyar village (65.826 N, 66.059 E): ZMMU S-85142, ZMMU S-85148, ZMMU S-85146, ZMMU S-85145, ZMMU S-85143, ZMMU S-85147, ZMMU S-85144
- Russia, Yamalo-Nenetskiy Autonomous District, vicinity of Poluy village (65.125 N, 69.088 E): ZMMU S-91374, ZMMU S-91375\*
- Russia, Zabaikal'skiy Territory, Akshinskiy District, Ermana Range (50.089 N, 113.239 E): ZMMU S-407, ZMMU S-401
- Russia, Zabaikal'skiy Territory, Akshinskiy District, Onon River, Kazachenskiy village (50.424 N, 113.285 E): ZMMU S-45348
- Russia, Zabaikal'skiy Territory, Aleksandrovo-Zavodskiy District, upper Kher-Khira River (50.456 N, 117.871 E): ZMMU S-178623
- Russia, Zabaikal'skiy Territory, Chita District, upper Chita River (52.972 N, 114.442 E): ZMMU S-34781, ZMMU S-34782
- Russia, Zabaikal'skiy Territory, Chita District, vicinity of Lake Ivan, 45 km NW of Chita (52.248 N, 112.925 E): ZIN 88722, ZIN 88724, ZIN 88733, ZIN 88729, ZIN 88735, ZIN 88734, ZIN 88731, ZIN 88727
- Russia, Zabaikal'skiy Territory, Dul'durginskiy District, to the S of Bal'zino village, Alkhanai Mountain (50.797 N, 113.265 E): ZIN 88714, ZIN 88715, ZIN 88718, ZIN 88717, ZIN 88720, ZIN 88719, ZIN 88721
- Russia, Zabaikal'skiy Territory, Mogochinskiy District, right bank of Shilka River, 8 km below the
- Russia, Zabaikal'skiy Territory, Nerchinskiy District, Kalinino village (52.103 N, 116.527 E): ZMMU S-16140, ZMMU S-16145, ZMMU S-16102, ZMMU S-35672, ZMMU S-16066, ZMMU S-16067
- Russia, Zabaikal'skiy Territory, Nerchinskiy District, Zyul'zya River (52.540 N, 116.242 E): ZMMU S-16098
- Russia, Zabaikal'skiy Territory, Nerchinsko-Zavodskiy District, Shivki village (51.907 N, 116.417 E): ZMMU S-16144
- Russia, Zabaikal'skiy Territory, Sretenskiy District, Chachakan River, right bank of Shilka River, 3 km below Firsovo (52.300 N, 118.112 E): ZMMU S-178624, ZMMU S-178625
- Russia, Zabaikal'skiy Territory, Tungokochenskiy District, Kyker village (53.228 N, 115.727 E): ZMMU S-16125, ZMMU S-16089, ZMMU S-16134, ZMMU S-16099, ZMMU S-16088, ZMMU S-16057, ZMMU S-16126,

ZMMU S-16100, ZMMU S-16169, ZMMU S-16096, ZMMU S-16131, ZMMU S-16128, ZMMU S-16124, ZMMU S-16085, ZMMU S-16084, ZMMU S-16087, ZMMU S-16056, ZMMU S-16080, ZMMU S-16061, ZMMU S-16086, ZMMU S-16082, ZMMU S-16063, ZMMU S-16111, ZMMU S-16097, ZMMU S-16123, ZMMU S-16131, ZMMU S-16129, ZMMU S-16081, ZMMU S-16058

Russia, Zabaikal'skiy Territory, vicinity of Chita (52.056 N, 113.430 E): ZIN 88713

*E. s. barberi*

France, Paris, Plessis-Robinson (introduced population): ZMMU S-188771, ZMMU S-188772, ZMMU S-188773, ZMMU S-188774

France, Paris, Senart (introduced population): ZMMU S-188762, ZMMU S-188763, ZMMU S-188764, ZMMU S-188765, ZMMU S-188766, ZMMU S-188767, ZMMU S-188768, ZMMU S-188769, ZMMU S-188770

France, Paris, Verneuil-sur Seine (introduced population): ZMMU S-188751, ZMMU S-188752, ZMMU S-188753, ZMMU S-188755, ZMMU S-188756, ZMMU S-188757, ZMMU S-188759

North Korea, Kim-hoa, 65 ml. NE of Seoul, 300 ft. (38.23 N, 127.42): BMNH 7.6.3.20, BMNH 7.6.3.19

North Korea, Songu-ri, US Army, Hemorrhagic Fever Team (38.906 N, 125.656 E): USNM 294632\*, USNM 298037, USNM 298038, USNM 298039, USNM 298040

South Korea, 4 ml. N from Chinbu-ri, 150 m (38.294 N, 128.364 E): USNM 298946

South Korea, 4 ml. SSE from Kwangju (Sangbonchon-ni): 125 m (37.450 N, 127.267 E): USNM 298944

South Korea, Central National Forest, US Army, Hemorrhagic Fever Team (37.750 N, 127.160 E): USNM 298042

South Korea, Gangwon-do Province, Central National Forest, US Army, Hemorrhagic Fever Team (Pup'yong-ni, NE Seoul) (37.750 N, 127.160 E): USNM 298041, USNM 298043, USNM 298045\*, USNM 298046, USNM 298047, USNM 298048, USNM 298049, USNM 299084, USNM 299085\*, USNM 299086, USNM 299087, USNM 299582

South Korea, Gangwon-do Province, Gangwon-do (37.600 N, 128.300 E): ZMMU S-182098, ZMMU S-182099, ZMMU S-182101, ZMMU S-182102, ZMMU S-182103, ZMMU S-182105, ZMMU S-182107

South Korea, Gyeongsangbuk-do Province, Gyeongsangbuk-do (36.500 N, 128.800 E): ZMMU S-182100\*, ZMMU S-182104, ZMMU S-182106

South Korea, Hill 1468 N, 3 ml. SSE from Sumil-li (38.047 N, 127.501 E): USNM 298947, USNM 299083\*, USNM 299583

South Korea, Seoul (37.586 N, 126.867 E): USNM 299599, USNM 299600, USNM 300448, USNM 364960, FMNH 91361\*, FMNH 91362\*

*E. s. senescens*

China, Beijing, Imperial tombs, 65 ml. E of Beijing, 1000 ft. (40.199 N, 117.638 E): 18.8.9.28 N, 8.8.7.27\*

China, Gansu Province, 15 mil NE of Ching-ning-chow, 6200 ft. (35.564 N, 105.929 E): USNM 155217, USNM 155218

China, Gansu Province, Gannan Zang Pref., Jone (Cho-Ni) (34.595 N, 103.503 E): FMNH 36063

China, Gansu Province, Lanchow (36.011 N, 103.787 E): USNM 240745, USNM 240746, USNM 240748

China, Gansu Province, near Ching-ning-chow, 150 ml. E of Lanchow, Jin-ning, 5500 ft. (35.52 N, 105.72 E): USNM 155213, USNM 155214, USNM 155215, USNM 155216

China, Hebei Province, Hsin-Ling-Shan, 65 ml. NE of Beijing 300 ft. (40.831 N, 117.460 E): USNM 219190

China, Hebei Province, Huailai xian (40.417 N, 115.450 E): NWIPB 00530, NWIPB 00527

China, Hebei Province, Laiyuan (39.348 N, 114.681 E): BZI 00393, BZI 00345, BZI 00403

China, Hebei Province, Mentougou Mentougou, 15 miles W of Beijing 5

China, Hebei Province, Mon-Ton-KHo, 15 ml. W of Peking, 500 ft. (39.900 N, 116.006 E): BMNH 9.1.1.29, BMNH 9.1.1.27, BMNH 9.1.1.28, BMNH 9.1.1.25, BMNH 9.1.1.26

China, Hebei Province, Pekin (39.900 N, 116.330 E): 1977.2.3.53

China, Hebei Province, Xinglong, Liuliping ? (Liuqiying) (39.302 N, 116.549 E): BZI 24479, BZI 24478

China, Hebei Province, Yangyuan xian (40.083 N, 114.200 E): NWIPB 00520, NWIPB 00517, NWIPB 00518

China, Inner Mongolia Autonomous Region, Daqingshan (41.000 N, 111.000 E): BZI 21939, BZI 21937

China, Inner Mongolia Autonomous Region, Gelaqinqi, Wangyedian (41.650 N, 118.367 E): BZI 33140, BZI 33141

China, Inner Mongolia Autonomous Region, Kwei Kwa Cheng (Hohhot) (40.780 N, 111.645 E): AMNH 45374\*, AMNH 45309

China, Inner Mongolia Autonomous Region, Wulashanbaiyanhua (Wuliangsuhai)(40.805 N, 108.246 E): BZI 21311, BZI 21309

China, Inner Mongolia Autonomous Region, Wulateqianqi, Wuliangsuhai (40.805 N, 108.246 E): BZI 21935, BZI 21925, BZI 21924, BZI 21926, BZI 21928, BZI 21929, BZI 21931, BZI 21932, BZI 21933

China, Inner Mongolia Autonomous Region, Xiwuqi, Diyan forestry (43.933 N, 117.198 E): BZI 27809

China, Jiling Province, Tung-Ling (41.842 N, 123.593 E): AMNH 45310

China, Liaoning Province, Shenyang, Dongling (41.814 N, 123.576 E): BZI 00383\*, BZI 00358, BZI 00360

- China, Ningxia Hui Autonomous Region, Huangjiazhuang (36.047 N, 106.208 E): NWIPB 76069  
China, Ningxia Hui Autonomous Region, Longde (35.613 N, 106.117 E): NWIPB 060, NWIPB 76161  
China, Ningxia Hui Autonomous Region, Pengyang Xian, Guamagou (35.785 N, 106.343 E): NWIPB 76147, NWIPB 76146  
China, Qinghai Province, Tongren, Maixiu (35.616 N, 102.054 E): BZI 18924  
China, Qinghai Province, Zekog (35.014 N, 101.506 E): NWIPB 00475, NWIPB 00466, NWIPB 00469, NWIPB 00459, NWIPB 00477, NWIPB 00461, NWIPB 00476  
China, Shaanxi Province, 50 ml. NW of Si-an-fu, Chien-chuin-cheng, 3100 ft. (34.721 N, 108.278 E): USNM 155110  
China, Shaanxi Province, Luxian, Shuihaochuan (34.107 N, 107.155 E): BZI 16852, BZI 16851  
China, Shaanxi Province, Taipai-Shan (33.955 N, 107.764 E): AMNH 212963  
China, Shanxi Province, 12 miles NW of Kolanchow, 7000 ft. (38.750 N, 111.370 E): BMNH 9.1.1.40, BMNH 9.1.1.3a, BMNH 9.1.1.38  
China, Shanxi Province, 18 ml. W of Tai-Yuan-Fu, 5000 ft. (37.755 N, 112.263 E): USNM 155099  
China, Shanxi Province, 60 ml. W of Tai-Yuan-Fu, 4500 ft. (37.907 N, 111.368 E): USNM 155103, USNM 155101, USNM 155102, USNM 155107, USNM 155108\*  
China, Shanxi Province, 70 ml. NNW of Tai-Yuan-Fu, 7000 ft. (38.757 N, 111.941 E): USNM 174992, USNM 174989, USNM 174990, FMNH 43500, FMNH 43501  
China, Shanxi Province, Chiao-Cheng-Shan, 90 ml. W of Tai-Yuan-Fu, 7000 ft. (37.582 N, 110.987 E): USNM 155104, USNM 155105  
China, Shanxi Province, Daixian (39.107 N, 113.014 E): NWIPB 00497, NWIPB 00509, NWIPB 00511, NWIPB 00512  
China, Shanxi Province, Fanshi xian (39.221 N, 113.517 E): NWIPB 00525, NWIPB 00524, NWIPB 00528, NWIPB 00522, NWIPB 00481  
China, Shanxi Province, Qinshui County, Xiachuan (35.815 N, 112.276 E): NWIPB 00505  
China, Shanxi Province, Shenchi County (39.120 N, 112.180 E): BZI 12691, BZI 12690, BZI 12689, BZI 12687, BZI 12688, BZI 12686  
China, Shanxi Province, SW of Ning-Wu-Fu (38.860 N, 112.130 E): BMNH 9.1.1.47, BMNH 9.1.1.43, BMNH 9.1.1.41, BMNH 9.1.1.51, BMNH 9.1.1.52, BMNH 9.1.1.49, BMNH 9.1.1.45, BMNH 9.1.1.50, BMNH 9.1.1.48, BMNH 9.1.1.44, BMNH 9.1.1.46, BMNH 9.1.1.42  
China, Shanxi Province, Yu-lin-fu, 4000 ft (38.330 N, 109.730 E): BMNH 9.1.1.37, BMNH 9.1.1.31, BMNH 9.1.1.34, BMNH 9.1.1.32, BMNH 9.1.1.35, BMNH 9.1.1.36, USNM 155109  
China, Sichuan Province, Maerkang, Yidaopin (31.901 N, 102.221 E): BZI 19383  
China, Sichuan Province, Pingwu, Wanglang (32.984 N, 104.109 E): BZI 23577\*, BZI 30148  
China, Sichuan Province, vicinity of Pingwu (32.480 N, 104.529 E): ZIN 3578  
China, Xinjiang Uyghur Autonomous Region, Mulei (43.817 N, 90.183 E): BZI 21810