SUPPLEMENTARY MATERIALS
to the article A.P. Kryukov
"Genetic variation and phylogeography of the magpie's genus *Pica* in the Holarctic"

Table S1. Specimen list with labcodes, museum voucher numbers, geographic origin of the samples and GenBank Accession numbers

Lab-code	Museum No.	Geographic origin	Coordinates	Accession number for CR of mtDNA
Pica pica pica				
1218pi	EAK-134[2]	Iran, N. Elburs mnt.,Valasht Lake	N36.53699, E51.28823	LT671304
9pi	N/A[8]	Austria, Gars/Kamp	N48.60106, E15.66281	LT671303
8pi	N/A[8]	Armenia	N/A	LT671305
Pica pica fennorum				
0113f	R-116993[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671310
0378f	LVE-65[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671311
0379f	LVE-63[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671312
0380f	LVE-64[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671313
0434f	LVE-132[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671314
0520f	SKY-177[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671315
0756f	NIA-152[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671316
0757f	NIA-158[2]	Russia, Smolensk Obl., Vyazemsky Dist.	N55.09735, E34.24043	LT671317
0762f	NIA-182[2]	Russia, Kaluga Obl., Balabanovsky Dist.	N55.20391, E36.71705	LT671318
1214f	NIA-224[2]	Russia, Moscow Obl., Zheleznodorozhny	N55.73958, E37.99262	LT671319
1215f	NIA-223[2]	Russia, Moscow Obl., Zheleznodorozhny	N55.73958, E37.99262	LT671320
1905f	TMA-130[2]	Russia, Moscow Obl., Odintsovsky Dist.	N55.64822, E37.21381	LT671321
1970f	GVV-124[2]	Belarus, Minsk	N53.89969, E27.66886	LT671322
0223f	KIL-021[2]	Russia, Ivanovo Obl., Il'insky Dist.	N56.95304, E39.79494	LT671307
0224f	N/A[2]	Russia, Kirov Obl., Darovsky Dist.	N58.76781, E47.96689	LT671308
0225f	N/A[2]	Russia, Kirov Obl., Darovsky Dist.	N58.76781, E47.96689	LT671309
0168f	N/A[2]	Russia, Kirov Obl., Zuevsky Dist.	N58.38129, E51.11564	LT671323
0169f	N/A[2]	Russia, Kirov Obl.	~N58.38129, E51.11564	LT671324
0170f	R-119840[2]	Russia, Kirov Obl., Malmyzhski Dist.	N56.63087, E50.67901	LT671325
1903f	MVK-199[2]	Russia, Kirov Obl.	~N58.38129, E51.11564	LT671326
1904f	MVK-265[2]	Russia, Kirov Obl.	~N58.38129, E51.11564	LT671327
0112f	R-115831[2]	Russia, N. Caucasus, Kislovodsk	N43.92669, E42.69816	LT671306
Pica pica melanotos				
2559Sp	MNCN-ADN 2804[3]	Spain, Madrid Prov., Buitrago de Lozoya	N40.99039, W3.63401	OK317852
2560Sp	MNCN-ADN-3195[3]	Spain, Madrid Prov., Torrejón de Ardoz	N40.45754, W3.47586	OK317853
2561Sp	MNCN-ADN-3543[3]	Spain, Madrid Prov., Madrid	N40.49120, W3.74621	OK317854
2562Sp	MNCN-ADN-10181[3]	Spain, Madrid Prov., Buitrago de Lozoya	N40.99109, W3.63849	OK317855
2563Sp	MNCN-ADN-10682[3]	Spain, Madrid Prov., San Loranzo del Escorial	N40.60491, W4.14886	OK317856
2564Sp	MNCN-ADN-6414[3]	Spain, Madrid Prov., Nuevo Baztan	N40.36642, W3.24007	OK317857
2565Sp	MNCN-ADN-6449[3]	Spain, Madrid Prov., Peralejo	E40.55188, W4.12459	OK317858
2566Sp	MNCN-ADN-6460[3]	Spain, Madrid Prov., Somosierra	E41.14143, W3.57869	OK317859
2567Sp	MNCN-ADN-6464[3]	Spain, Madrid Prov., Alcalá de Henares	N40.48292, W3.36524	OK317860
2568Sp	MNCN-ADN-6788[3]	Spain, Madrid Prov., Quijorna	N40.42859, W4.05649	OK317861
2569Sp	MNCN-ADN-9703[3]	Spain, Madrid Prov., Vicálvaro	N40.39443, W3.60253	OK317862
2570Sp	MNCN-ADN-9743[3]	Spain, Madrid Prov.	N/A	OK317863
2571Sp	MNCN-ADN-19977[3]	Spain, Madrid Prov., Madrid	N40.49120, W3.74621	OK317864
2572Sp	MNCN-ADN-40579[3]	Spain, Madrid Prov., road M-604, km 24,800	N40.91543, W3.85799	OK317865
Pica pica bactriana				
1219ba	EAK-149[2]	Iran, Caspian Sea, Miankale Peninsula	N36.87606, E53.62852	LT671331
Pica pica hemileucoptera				
1217he	CBH-964[2]	Russia, Sverdlovsk Obl., Irbitsky Dist.	N57.79787, E63.26359	LT671328
1902he	CBH-2563[2]	Russia, Chelyabinsk Obl., Uisky Dist.	N54.41856, E60.23628	LT671330
1907he	CBH-2565[2]	Russia, Chelyabinsk Obl., Sosnovsky Dist.	N55.08394, E61.01039	LT671329
2488he	AK-2488[1]	Russia, Novosibirsk Obl., Lesnaja Poljana	N55.01139, E81.92408	OL539421
2557he	AK-2557[1]	Russia, Novosibirsk Obl., Kolyvansky Dist.	N55.82933, E82.70157	OL539422
2558he	AK-2558[1]	Russia, Novosibirsk Obl., Kolyvansky Dist.	N55.82933, E82.70157	OL539423
2319he	AK-2319[1]	Russia, Novosibirsk Obl., Moshkovsky Dist.	N55.35975, E83.72589	OL539424
Pica pica leucoptera				
0135Tr	R-116766[2]	Russia, Tyva Republik, Mugur-Aksy	N50.38138, E90.44277	LT671332
0136Tr	R-116767[2]	Russia, Tyva Republik, Mugur-Aksy	N50.38138, E90.44277	LT671333
0137Tr	N-166[2]	Russia, Tyva Republik, Mugur-Aksy	N50.38138, E90.44277	LT671334

Table S1 (continued)

0138Tr	N-280[2]	Russia, Tyva Republik, Mugur-Aksy	N50.38138, E90.44277	LT671335
2509Ub	AK-2509[1]	Mongolia, Tuul river valley, Ulaanbaatar	N47.89038, E107.05442	OK317735
2510Ub	AK-2510[1]	Mongolia, Tuul river valley, Ulaanbaatar	N47.89053, E107.05384	OK317736
2511Ub	AK-2511[1]	Mongolia, Tuul river valley, Ulaanbaatar	N47.89241, E107.05050	OK317737
2512Ub	AK-2512[1]	Mongolia, Tuul river valley, Ulaanbaatar	N47.89323, E107.04789	OK317738
1Tr	OLML-12/251[8]	Russia, Transbaikalia, Buryatia, Ulan-Ude	N51.74700, E107.52208	LT671336
4Tr	N/A[8]	Russia, Transbaikalia, Buryatia, Ulan-Ude	N51.74700, E107.52208	LT671338
3Tr	N/A[8]	Russia, Transbaikalia, Buryatia, Kurumkansky Dist.	N54.18628, E110.27830	LT671337
2471Tr	AK-2471[1]	Russia, Transbaikalia, Zelenoje Ozero	N53.74783, E116.53916	OK317739
2472Tr	AK-2472[1]	Russia, Transbaikalia, Zelenoje Ozero	N53.74783, E116.53916	OK317740
2473Tr	AK-2473[1]	Russia, Transbaikalia, Zelenoje Ozero	N53.74783, E116.53916	OK317741
2474Tr	AK-2474[1]	Russia, Transbaikalia, Zelenoje Ozero	N53.74783, E116.53916	OK317742
2356Tr	AK-2356[1]	Russia, Transbaikalia, Ingoda River, Darasun	N51.63641, E114.04066	OK317743
2469Tr	AK-2469[1]	Russia, Transbaikalia, Onon River valley, Edinenije	N51.17200, E115.86800	OK317744
2470Tr	AK-2470[1]	Russia, Transbaikalia, Aginskaya Steppe, Tsokto-Hangil	N50.83333, E114.70000	OK317745
2420Tr	AK-2420[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.51979, E115.12111	OK317746
2424Tr	AK-2424[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.51920, E115.03918	OK317747
2431Tr	AK-2431[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.52730, E115.02505	OK317748
2426Tr	AK-2426[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.52571, E115.02011	OK317749
2438Tr	AK-2438[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.52845, E115.02075	OK317750
2447Tr	AK-2447[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.52795, E115.03723	OK317751
2423Tr	AK-2423[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.51583, E115.02915	OK317752
2430Tr	AK-2430[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.52571, E115.02011	OK317753
2433Tr	AK-2433[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.52706, E115.02156	OK317754
2518Tr	AK-2518[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.51920, E115.03918	OK317755
2425Tr	AK-2425[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.51470, E115.02990	OK317756
2358Tr	AK-2358[1]	Russia, Transbaikalia, Onon River valley, Nizhny Tsasuchey	N50.51611, E115.16850	OK317757
2419Tr	AK-2419[1]	Russia,Transbaikalia, Novaya Zarya	N50.36478, E115.54340	OK317758
2490Tr	AK-2490[1]	Russia, Transbaikalia, Kulusutai	N50.26367, E115.77666	OK317759
2503Tr	AK-2503[1]	Russia, Transbaikalia, Borzya	N50.36046, E116.47249	OK317760
2532Tr	AK-2532[1]	Russia, Transbaikalia, Borzya	N50.48941, E116.72793	OK317761
2533AL	AK-2533[1]	Russia, Transbaikalia, Akurai	N50.79285, E117.18126	OK317762
2554AL	AK-2554[1]	Russia, Transbaikalia, Aleksandrovsky Zavod	N50.92202, E117.92317	OK317763
2555AL	AK-2555[1]	Russia, Transbaikalia, Aleksandrovsky Zavod	N50.92202, E117.92317	OK317764
2541AL	AK-2541[1]	Russia, Transbaikalia, Solontsy	N51.45179, E118.85415	OK317765
2542AL	AK-2542[1]	Russia, Transbaikalia, Gazimur River, Kaldaga	N51.62238, E118.3637	OK317766
2540AL	AK-2540[1]	Russia, Transbaikalia, Gazimur River, Tayna	N51.58616, E118.46197	OK317767
2543AL	AK-2543[1]	Russia, Transbaikalia, Gazimur River, Umshun	N51.69164, E118.36629	OK317768
2537AL	AK-2537[1]	Russia, Transbaikalia, Argun` River, Domasovo	N51.53574, E119.98424	OK317769
2536AL	AK-2536[1]	Russia, Transbaikalia, Argun` River, Olochi	N51.33262, E119.78177	OK317770
2538AL	AK-2538[1]	Russia, Transbaikalia, Argun` River, Olochi	N51.33392, E119.86655	OK317771
2535AL	AK-2535[1]	Russia, Transbaikalia, Nerchinsky Zavod	N51.31301, E119.69439	OK317772
2539AL	AK-2539[1]	Russia, Transbaikalia, Baika	N51.30138, E119.32291	OK317773
2534AL	AK-2534[1]	Russia, Transbaikalia, Kadaya	N50.97404, E119.18628	OK317774
2548AL	AK-2548[1]	Russia, Transbaikalia, Kalga	N50.90299, E118.91701	OK317775
2499AL	AK-2499[1]	Russia, Transbaikalia, Kalga	N50.96457, E119.10838	OK317776
2500AL	AK-2500[1]	Russia, Transbaikalia, Kalga	N50.90693, E118.91650	OK317777
2545AL	AK-2545[1]	Russia, Transbaikalia, Dono	N50.87285, E118.52705	OK317778
2549AL	AK-2549[1]	Russia, Transbaikalia, Nizhny Kalgukan	N50.67831, E118.87437	OK317779
2547AL	AK-2547[1]	Russia, Transbaikalia, Nizhny Kalgukan	N50.75622, E118.86722	OK317780
2501AL	AK-2501[1]	Russia, Transbaikalia, Verhny Kalgulan	N50.76017, E118.93958	OK317781
2502AL	AK-2502[1]	Russia, Transbaikalia, Butuntay	N50.65530, E118.12479	OK317782
2418Mo	AK-2418[1]	East Mongolia, Uldza River	N49.68938, E115.30953	OK317783
2361Mo	AK-2361[1]	East Mongolia, Uldza River	N49.55343, E114.67096	OK317784
2413Mo	AK-2413[1]	East Mongolia, Shogoy-Tsagan-Noor Lake (Chukh-Noor)	N49.52594, E114.65156	OK317785
2398Mo	AK-2398[1]	East Mongolia, Kerulen River valley	N48.51015, E115.42878	OK317786
2392Mo	AK-2392[1]	East Mongolia, Kerulen River valley	N48.46770, E115.40611	OK317787
2386Mo	AK-2386[1]	East Mongolia, Kerulen River valley	N48.45396, E115.34668	OK317788
2384Mo	AK-2384[1]	East Mongolia, Kerulen River valley	N48.45396, E115.34668	OK317789
2385Mo	AK-2385[1]	East Mongolia, Kerulen River valley	N48.45396, E115.34668	OK317790
2365Mo	AK-2365[1]	East Mongolia, Kerulen River valley	N48.22838, E114.90920	OK317791
2401Mo	AK-2401[1]	East Mongolia, Kerulen River valley	N48.18711, E114.81091	OK317792

Table S1 (continued)

2379Mo	AK-2379[1]	East Mongolia, Kerulen River valley	N48.18711, E114.81091	OK317793
2406Mo	AK-2406[1]	East Mongolia, Kerulen River valley	N48.18711, E114.81091	OK317794
2375Mo	AK-2375[1]	East Mongolia, Kerulen River valley	N48.18711, E114.81091	OK317795
2405Mo	AK-2405[1]	East Mongolia, Kerulen River valley	N48.18711, E114.81091	OK317796
2374Mo	AK-2374[1]	East Mongolia, Kerulen River valley	N48.18711, E114.81091	OK317797
2372Mo	AK-2372[1]	East Mongolia, Kerulen River valley	N48.13885, E114.76096	OK317798
2373Mo	AK-2373[1]	East Mongolia, Kerulen River valley	N48.16881, E114.79485	OK317799
2368Mo	AK-2368[1]	East Mongolia, near Choibalsan	N48.08326, E114.62331	OK317800
2407Mo	AK-2407[1]	East Mongolia, near Choibalsan	N48.12708, E114.67635	OK317801
2412Mo	AK-2412[1]	East Mongolia, near Choibalsan	N48.08435, E114.69331	OK317802
2410Mo	AK-2410[1]	East Mongolia, near Choibalsan	N48.10795, E114.64866	OK317803
2445Mo	AK-2445[1]	East Mongolia, near Choibalsan	N48.09215, E114.69126	OK317804
Pica pica camtschatica				
0736c	AK-0736[1]	Russia, Chukotka Peninsula, Anadyr River	N64.76787, E175.51492	LT671339
2046c	AK-2046[1]	Russia, Kamchatka Peninsula, Kamchatka river, Pinachevo	N53.34004, E158.37983	LT671340
2256c	AK-2256[1]	Russia, Kamchatka Peninsula, Kamchatka River	~N56.2247, E162.0028	LT671341
2257c	AK-2257[1]	Russia, Kamchatka Peninsula, Kamchatka River	N56.22472, E162.00281	LT671342
2258c	AK-2258[1]	Russia, Kamchatka Peninsula, Kamchatka River	N56.22472, E162.00281	LT671343
2259c	AK-2259[1]	Russia, Kamchatka Peninsula, Kamchatka River	N56.22472, E162.00281	LT671344
2260c	AK-2260[1]	Russia, Kamchatka Peninsula, Kamchatka River	N56.22472, E162.00281	LT671345
2261c	AK-2261[1]	Russia, Kamchatka Krai, Penzhina River	~N62.56314, E166.5286	LT671346
2262c	AK-2262[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671347
2263c	AK-2263[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671348
2264c	AK-2264[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671349
2265c	AK-2265[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671350
2266c	AK-2266[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671351
2267c	AK-2267[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671352
2268c	AK-2268[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671353
2269c	AK-2269[1]	Russia, Kamchatka Krai, Penzhina River	N62.56314, E166.52860	LT671354
2320c	AK-2320[1]	Russia, Kamchatka Peninsula, Sobolevo	N54.30094, E155.93196	OK317851
Ppic-1	UWBM:Bird:44581[10]	Russia, Kamchatka, Sokhoch	N53.150, E157.683	OQ076686.1
Ppic-2	UWBM:Bird:44584[10]	Russia, Kamchatka, Sokhoch, 5 km NW	N53.167, E157.733	OQ076687.1
Ppic-3	UWBM:Bird:44585[10]	Russia, Kamchatka, Sokhoch, 5 km NW	N53.167, E157.733	OQ076688.1
Pica mauritanica				
1908mau	TMA2501[2]	W. Morocco, Agadir	N30.4122, W9.5946	LT671411
Pica serica serica				
BS14Ko	BS14[4]	Korea, Busan	N35.17971, E129.07501	OK317866
AD5Ko	AD5[4]	Korea, Andong	N36.56846, E128.72955	OK317867
CW9Ko	CW9[4]	Korea, Cheorwon	N38.14730, E127.31191	OK317868
SC12Ko	SC12[4]	Korea, Sokcho	N38.20698, E128.59190	OK317869
UJ6Ko	UJ6[4]	Korea, Uljin	N36.99307, E129.40059	OK317870
US6nKo	US6[4]	Korea, Ulsan	N35.53955, E129.31148	OK317871
YC17Ko	YC17[4]	Korea, Yeoncheon	N38.09634, E127.07523	OK317872
CJ7Ko	CJ7[4]	Korea, Choongju	N36.99087, E127.92591	OK317873
GC19Ko	GC19[4]	Korea, Gochang	N35.43579, E126.70215	OK317874
JE23Ko	JE23[4]	Korea, Jeong-eup	N35.56981, E126.85599	OK317875
JJ10Ko	JJ10[4]	Korea, Jinju	N35.18034, E128.10876	OK317876
JS19Ko	JS19[4]	Korea, Jeongseon	N37.38065, E128.66082	OK317877
KJ21Ko	KJ21[4]	Korea, Kyeongju	N35.85614, E129.22480	OK317878
YY6Ko	YY6[4]	Korea, Yangyang	N38.07543, E128.61913	OK317879
0418Ko	cgrb-250[5]	Korea, Chungnam Prov., Daedeongri, Whayangmyoen	N36.61949, E126.74555	LT671382
0420Ko	cgrb-0192[5]	Korea, Jonnam Prov., Suncheon	N34.97175, E127.42776	LT671383
0422Ko	cgrb-0226[5]	Korea, Gyeonggi Prov., Gwacheon, Seoul Grand park	N37.43079, E127.00778	LT671384
0423Ko	cgrb-0244[5]	Korea, Gangwon Prov., Chuncheon	N37.86650, E127.74358	LT671385
0424Ko	cgrb-0245[5]	Korea, Gangwon Prov., Chuncheon	N27.86650, E127.74358	LT671386
1167Ta	TESR-I509[9]	Taiwan	N/A	LT671387
1168Ta	TESR-I599[9]	Taiwan	N/A	LT671388
1sK	N/A[6]	Japan, Kyushu Isl., Fukuoka, Asakura-gun	N33.41550, E130.66370	LT671389
2sK	N/A[6]	Japan, Kyushu Isl., Saga, Kratsu-shi, Hamatama-cho	N33.45263, E130.04580	LT671390
3sK	NSMT-52070[6]	Japan, Kyushu Isl., Saga, Ogi-shi, Ashikari-cho	N33.23984, E130.19955	LT671391
4sK	N/A[6]	Japan, Kyushu Isl., Saga, Saga-shi, Suehiro	N33.24552, E130.27947	LT671392
5sK	N/A[6]	Japan, Kyushu Isl., Saga, Saga-shi, Morotomi-cho, Tokutomi	N33.28378, E130.29051	LT671393

Table S1 (continued)

6sK	NSMT-50657[6]	Japan, Kyushu Isl., Saga, Imari-shi, Higashi-Yamashiro-cho	N33.26788, E129.81375	LT671394
7sK	N/A[6]	Japan, Kyushu Isl., Saga, Kanzaki-shi, Tamitigari	N33.16138, E129.73244	LT671395
8sK	N/A[6]	Japan, Kyushu Isl., Fukuoka, Yame-shi, Moto-mura	N33.21556, E130.55869	LT671396
9sK	N/A[6]	Japan, Kyushu Isl., Fukuoka, Kurume-shi, Zendouji-gho	N33.31451, E130.51187	LT671397
10sK	NSMT-51583[6]	Japan, Kyushu Isl., Fukuoka, Kashima-shi, Mori	N33.12470, E130.08777	LT671398
11sK	NSMT-51746[6]	Japan, Kyushu Isl., Fukuoka, Ogoori-shi, Oho	N33.41052, E130.56204	LT671399
12sK	NSMT-52194[6]	Japan, Kyushu Isl., Fukuoka, Kurume-shi, Araki-cho	N33.27588, E130.50577	LT671400
5867Ch	AHNU A0021	China, Anhui prov., Wuhu city	N31.3425, E118.3791	HQ915867.1
Pica serica jankowskii				
2460Ch	AK-2460[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317805
2504Ch	AK-2504[1]	North China, Wulan-Nuur Lake	N48.34315, E117.47256	OK317806
2507Ch	AK-2507[1]	North China, Wulan-Nuur Lake	N48.34315, E117.47256	OK317807
2505Ch	AK-2505[1]	North China, Wulan-Nuur Lake	N48.36372, E117.55505	OK317808
2506Ch	AK-2506[1]	North China, Wulan-Nuur Lake	N48.39470, E117.54301	OK317809
2456Ch	AK-2456[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317810
2457Ch	AK-2457[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317811
2458Ch	AK-2458[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317812
2459Ch	AK-2459[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317813
2461Ch	AK-2461[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317814
2462Ch	AK-2462[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317815
2463Ch	AK-2463[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317816
2464Ch	AK-2464[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317817
2465Ch	AK-2465[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317818
2466Ch	AK-2466[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317819
2467Ch	AK-2467[1]	North China, Wulan-Nuur Lake, Orchun-Gol River	N48.35700, E117.50133	OK317820
2491AJ	AK-2491[1]	Russia, Transbaikalia, Argun` River valley, Abagatuj	N49.58527, E117.83305	OK317821
2493AJ	AK-2493[1]	Russia, Transbaikalia, Argun` River valley, Molokanka mnt.	N49.54585, E117.83087	OK317822
2492AJ	AK-2492[1]	Russia, Transbaikalia, Argun` River, Sredneargunsk	N49.74417, E118.26910	OK317823
2552AJ	AK-2552[1]	Russia, Transbaikalia, Argun` River, Duroy	N50.01540, E118.93961	OK317824
2556AJ	AK-2556[1]	Russia, Transbaikalia, Argun` River, Duroy	N50.00630, E119.06848	OK317825
2495AJ	AK-2495[1]	Russia, Transbaikalia, Argun` River, Duroy	N50.00435, E119.05379	OK317826
2496AJ	AK-2496[1]	Russia, Transbaikalia, Argun` River valley	N50.01874, E119.09202	OK317827
2494AJ	AK-2494[1]	Russia, Transbaikalia, Argun` River valley, Kuti	N50.09283, E119.18989	OK317828
2551AJ	AK-2551[1]	Russia, Transbaikalia, Argun` River valley, Priargunsk, Bychok	N50.17817, E119.32579	OK317829
2498AJ	AK-2498[1]	Russia, Transbaikalia, Argun` River valley, Priargunsk	N50.29377, E119.15772	OK317830
2497AJ	AK-2497[1]	Russia, Transbaikalia, Argun` River valley, Bychok	N50.28601, E119.31842	OK317831
2550AJ	AK-2550[1]	Russia, Transbaikalia, Argun` River, Priargunsk, Bychok	N50.28604, E119.31842	OK317832
2553AJ	AK-2553[1]	Russia, Transbaikalia, Argun` River valley, Kanga	N50.00435, E119.05379	OK317833
2546AJ	AK-2546[1]	Russia, Transbaikalia, Argun` River valley, Dono	N50.84181, E118.58022	OK317834
1879Am	AK-1879[1]	Russia, Amurskaya Obl., Skovorodino	N53.98215, E123.86961	LT671357
2341Am	AK-2341[1]	Russia, Amurskaya Obl., Magdagachi	N53.44820, E125.77425	OK317835
2342Am	AK-2342[1]	Russia, Amurskaya Obl., Magdagachi	N53.44820, E125.77425	OK317836
2338Am	AK-2338[1]	Russia, Amurskaya Obl., Selemdzha River floodplain	N52.06779, E129.44832	OK317837
2339Am	AK-2339[1]	Russia, Amurskaya Obl., Selemdzha River floodplain	N52.06779, E129.44832	OK317838
2325Am	AK-2325[1]	Russia, Amurskaya Obl., Novgorodka	N51.22480, E128.09944	OK317839
1896Am	AK-1896[1]	Russia, Amurskaya Obl., Belogorsk	N50.90620, E128.43611	LT671358
1897Am	AK-1897[1]	Russia, Amurskaya Obl., Belogorsk	N50.90620, E128.43611	LT671359
2311Am	AK-2311[1]	Russia, Amurskaya Obl., Oktyabrsky Dist.	N50.33323, E129.21381	OK317840
2329Am	AK-2329[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317841
2326Am	AK-2326[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317842
2327Am	AK-2327[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317843
2328Am	AK-2328[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317844
2330Am	AK-2330[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317845
2331Am	AK-2331[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317846
2332Am	AK-2332[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317847
2333Am	AK-2333[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317848
2334Am	AK-2334[1]	Russia, Amurskaya Obl., Oktyabrsky Dist., Novomikhaylovka	N50.25619, E129.27735	OK317849
1842Am	AK-1842[1]	Russia, Amurskaya Obl., Novobureisk	N49.81921, E129.87780	LT671356
1497Am	AK-1497[1]	Russia, Jewish Obl., Birofeld	N48.42368, E132.79235	OK317850
1495Am	AK-1495[1]	Russia, Jewish Obl., Birofeld	N48.42368, E132.79235	LT671355
0281Am	AK-0281[1]	Russia, Khabarovsky Krai, Solnechny	N50.72948, E136.61049	LT671360
0738Pr	AK-0738[1]	Russia, Primorsky Krai, Vladivostok	N43.19592, E131.98926	LT671366

Table S1 (end)

1368Pr	AK-1368[1]	Russia, Primorsky Krai, Vladivostok	N43.19592, E131.98926	LT671365
0277Pr	AK-0268[1]	Russia, Primorsky Krai, Vladivostok	N43.19592, E131.98926	LT671364
1220Pr	АСФ-1284[2]	Russia, Primorsky Krai, Spassk	N44.56744, E132.84695	LT671363
1900Pr	СВН-1284[2]	Russia, Primorsky Krai, Spassk	N44.56744, E132.84695	LT671361
1901Pr	СВН-321[2]	Russia, Primorsky Krai, Reineke Island	N42.91204, E131.72990	LT671362
0343Pr	СВН-47[2]	Russia, Primorsky Krai, Gaivoron	N43.93536, E131.84673	LT671379
0344Pr	АСФ-54[2]	Russia, Primorsky Krai, Gaivoron	N43.93536, E131.84673	LT671380
0345Pr	ЕАК-041[2]	Russia, Primorsky Krai, Gaivoron	N43.93536, E131.84673	LT671381
0712Pr	AK-0712[1]	Russia, Primorsky Krai, Nadezhdinskaya	N43.36396, E131.99905	LT671367
2205Pr	AK-2205[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671375
2206Pr	AK-2206[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671376
2115Pr	AK-2115[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671368
2116Pr	AK-2116[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671369
2143Pr	AK-2143[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671370
2144Pr	AK-2144[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671371
2145Pr	AK-2145[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671372
2146Pr	AK-2146[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671373
2147Pr	AK-2147[1]	Russia, Primorsky Krai, Ussurijsk	N43.94004, E131.91885	LT671374
2270Pr	AK-2270[1]	Russia, Primorsky Krai, Tavrichanka	N43.33400, E131.88743	LT671377
2271Pr	AK-2271[1]	Russia, Primorsky Krai, Tavrichanka	N43.33400, E131.88743	LT671378
jan1Pr	UWBM:Bird:74569[10]	Russia, Primorskiy Kray, Gayvoron	N44.726, E132.767	OQ076689.1
jan2Am	UWBM:Bird:47197[10]	Russia, Khabarovskiy Kray	N51.100, E137.400	OQ076690.1
jan3Pr	UWBM:Bird:72084[10]	Russia, Primorskiy Kray, Ussuriysk	N43.877, E131.547	OQ076691.1
13sH	YIO-65198[7]	Japan, Hokkaido Isl., Tomakomai-shi, Uenae	N42.71590, E141.73323	LT671401
14sH	YIO-65206[7]	Japan, Hokkaido Isl., Tomakomai-shi, Numanohata	N42.67889, E141.70044	LT671402
15sH	NSMT-52193[6]	Japan, Hokkaido Isl., Tomakomai-shi, Sumikawa-cho	N42.62098, E141.51330	LT671403
16sH	NSMT-52205[6]	Japan, Hokkaido Isl., Tomakomai-shi, Takuyu-nishi	N42.67213, E141.67193	LT671404
17sH	N/A[6]	Japan, Hokkaido Isl., Tomakomai-shi, Shirakaba-cho	N42.62536, E141.54139	LT671405
18sH	N/A[6]	Japan, Hokkaido Isl., Tomakomai-shi, Shirakaba-cho	N42.62536, E141.54139	LT671406
19sH	N/A[6]	Japan, Hokkaido Isl., Tomakomai-shi, Yufutsu	N42.63462, E141.72309	LT671407
20sH	N/A[6]	Japan, Hokkaido Isl., Tomakomai-shi, Yufutsu	N42.63462, E141.72309	LT671408
21sH	N/A[6]	Japan, Hokkaido Isl., Tomakomai-shi, Yufutsu	N42.63462, E141.72309	LT671409
Pica hudsonia				
Phud-1	MVZ:Bird:191916[11]	USA, California, Siskiyou County, Red Rock Rd.	N41.789, W121.919	OQ076672.1
Phud-2	MVZ:Bird:192462[11]	USA, New Mexico, Taos County, Ran. de Taos	N36.363, W105.604	OQ076673.1
Phud-3	DMNS:Bird:47772[13]	USA, Colorado, Adams County, Brighton	N39.957, W104.811	OQ076674.1
Phud-4	MVZ:Bird:284856[11]	USA, California, Modoc County, Highway 299	N41.223, W120.925	OQ076675.1
Phud-5	UAM:Bird:8511[12]	USA, Alaska, Alaska Peninsula, Cold Bay	N55.497, W162.755	OQ076676.1
Phud-6	UAM:Bird:17742[12]	USA, Alaska, Shumagin Islands, Popof Island	N55.199, W160.073	OQ076677.1
Phud-7	UAM:Bird:13052[12]	USA, Alaska, Alaska Peninsula, Izembek NWR	N55.367, W162.720	OQ076678.1
Phud-8	UAM:Bird:13053[12]	USA, Alaska, Alaska Peninsula, Izembek NWR	N55.367, W162.720	OQ076679.1
Phud-9	UAM:Bird:12453[12]	USA, Alaska, Alaska Peninsula, Izembek NWR	N55.367, W162.720	OQ076680.1
Pica nuttalli				
Pnut-1	MVZ:Bird:183104[11]	USA, California, Monterey County, Punchbowl	N36.431, W121.625	OQ076681.1
Pnut-2	MVZ:Bird:183105[11]	USA, California, Monterey County, Carmel Val.	N36.439, W121.638	OQ076682.1
Pnut-3	MVZ:Bird:184152[11]	USA, California, Alameda County, Livermore	N37.683, W121.915	OQ076683.1
Pnut-4	MVZ:Bird:185590[11]	USA, California, Monterey County, San Miguel	N35.811, W120.709	OQ076684.1
Pnut-5	MVZ:Bird:188709[11]	USA, California, Butte County, Dayton	N39.648, W121.872	OQ076685.1

Note. Labcode – collection number in the tissue collection of the Federal Scientific Center of East Asia Terrestrial Biodiversity (FSC EATB), Far Eastern Branch of the Russian Academy of Sciences, Vladivostok, Russia; Museum No.: collection numbers in various museums: 1 – FSC EATB; 2 – Zoological Museum of the Moscow State University, Russia; 3 – Tissues and DNA Biobank of the National Museum of Natural Sciences (MNCN-ADN), Madrid, Spain; 4 – Laboratory of Behavioral Ecology and Evolution, School of Biological Sciences, Seoul National University, Seoul, Korea; 5 – Conservation Genome Resource Bank for Korean Wildlife, Korea; 6 – National Museum of Nature and Science, Tokyo, Japan; 7 – Yamashina Institute for Ornithology, Japan; 8 – Oberösterreichisches Landesmuseum, Linz, Austria; 9 – Endemic Species Research Institute, Taiwan; 10 – University of Washington Burke Museum, USA; 11 – Museum of Vertebrate Zoology, UC Berkeley, USA; 12 – University of Alaska Museum, USA; 13 – Denver Museum of Natural Science, USA; N/A – no voucher sample available or sample obtained from a living bird.

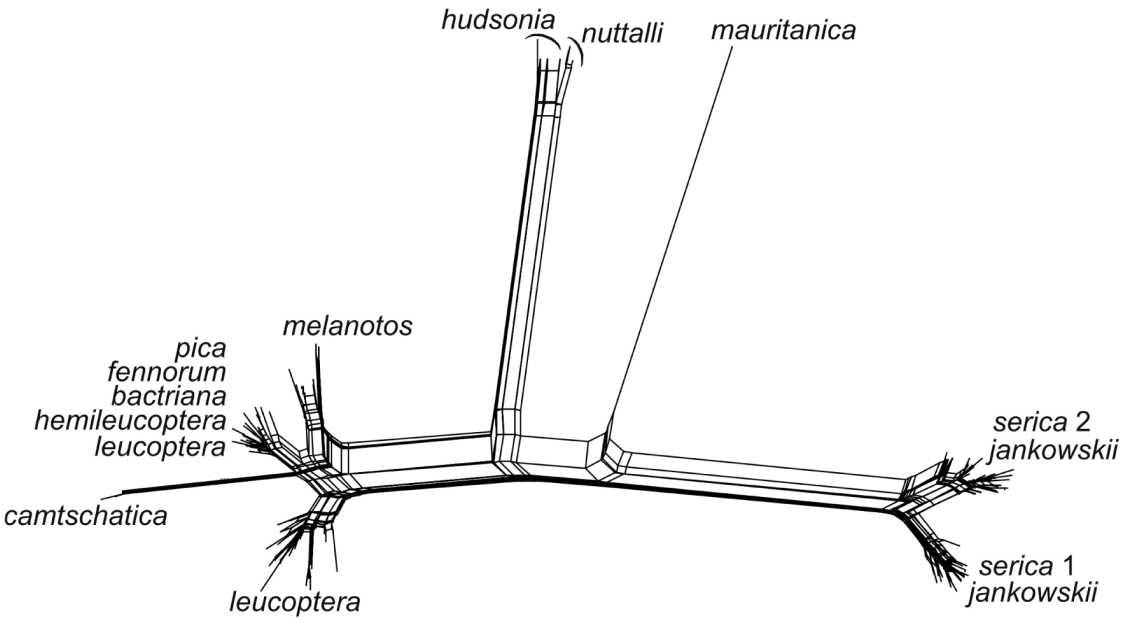


Figure S1. The NeighborNet network of the mitochondrial Control Region, made with SplitsTree software.