

SUPPLEMENTARY MATERIALS

to the article by Anida Devedžić, Felicita Urzi, Boštjan Pokorny, Gorazd Vengušt, Diana Žele Vengušt, Franc Janžekovič, Lejla Velič, Toni Eterović, Belma Kalamujić Stroil, Elena Bužan
 “Spatial genetic characterization of red fox (*Vulpes vulpes*)
 in the area between Alps and the Central Dinaric Mountains”

Supplementary Material 1. Data on red fox samples included in the study

Sample	Location	Lat	Long	Sample	Location	Lat	Long
Slovenia							
LME1905	Novomeško	45.8016	15.1662	LME1894	Posavsko	45.9532	15.5833
LME1922		45.8432	15.3370	LME1895		45.9166	15.5915
LME1923		45.8432	15.3370	LME1896		45.9166	15.5915
LME1779	Gorenjsko	46.2215	14.0455	LME1893		45.8843	15.5196
LME1924		46.3683	14.1137	LME1879	Pomursko	46.6975	15.9088
LME1925		46.3683	14.1137	LME1880		46.6975	15.9088
LME1926		46.3683	14.1137	LME1915		46.6975	15.9088
LME1909		46.0993	14.6003	LME1916		46.6975	15.9088
LME1910		46.0993	14.6003	LME1917		46.6975	15.9088
LME1780	Kočevsko – Belokranjsko	45.9164	14.6404	LME1918		46.6975	15.9088
LME1781		45.8783	14.6093	LME1777	Savinjsko-Kozjansko	46.2538	15.4440
LME1875		45.5921	14.7357	LME1775		46.2186	15.3898
LME1882		45.9164	14.6404	LME1877		46.2186	15.3898
LME1883		45.9164	14.6404	LME1913		46.2710	15.3942
LME1874		45.6246	14.8384	LME1914		46.2710	15.3942
LME1885	Notranjsko	45.9646	14.4795	LME1871		46.2984	15.2624
LME1886		45.9646	14.4795	LME1891	Slovensko-Goriško	46.3723	15.5643
LME1884		46.1427	14.3839	LME1911		46.3723	15.5643
LME1887		46.1427	14.3839	LME1912		46.3723	15.5643
LME1766	Primorsko	45.7111	13.8720	LME1872		46.3479	15.5929
LME1771		45.7111	13.8720	LME1873		46.3479	15.5929
LME1772		45.5484	13.7300	LME1890		46.3479	15.5929
LME1768		45.5374	13.6587	LME1892		46.3479	15.5929
LME1773		45.5374	13.6587	LME1920		46.3479	15.5929
LME1888		45.5484	13.7300	LME1921		46.3479	15.5929
LME1778	Pohorsko	46.6101	15.1614	LME1767	Triglavsko	46.3386	13.5484
LME1878		46.6101	15.1614	LME1769		46.3386	13.5484
LME1870		46.6235	15.2246	LME1761	Kamniško-Savinjsko	46.2224	14.6076
LME1869		46.2512	14.9998	LME1881		46.1422	14.5927
				LME1927		46.1422	14.5927

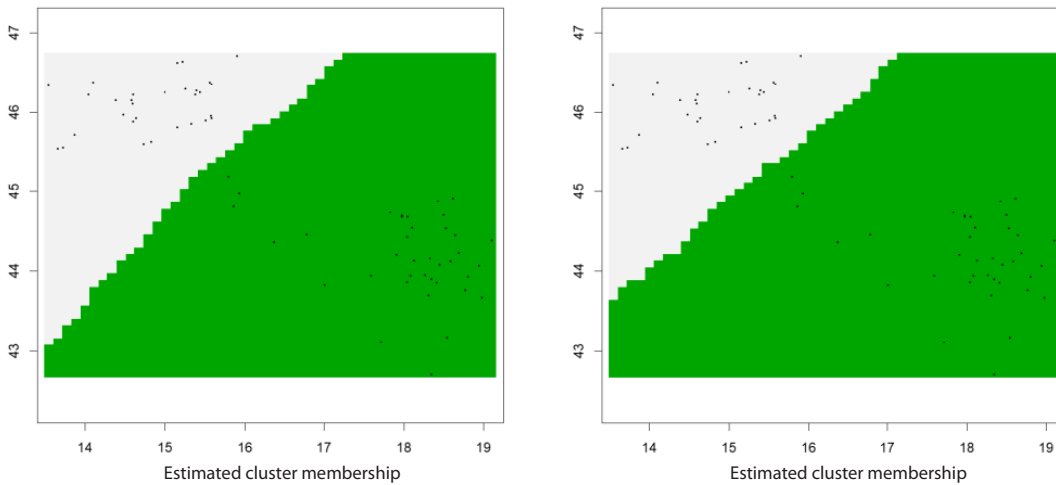
Supplementary Material 1 (end)

Sample	Location	Lat	Long	Sample	Location	Lat	Long
Bosnia and Herzegovina							
LME3846	Cazin	44.9690	15.9432	LME3912	Lukavac	44.5320	18.5311
LME3852	Stanari	44.7382	17.8240	LME3913	Goražde	43.6685	18.9749
LME3861	Usora	44.6899	17.9749	LME3915	Kladanj	44.2247	18.6919
LME3862	Pelagićevo	44.9109	18.6111	LME3916	Trnovo	43.7003	18.3015
LME3911	Velika Kladuša	45.1841	15.8068	LME3919	Kladanj	44.2247	18.6919
LME3918	Drvar	44.3711	16.3813	LME3925	Srebrenik	44.7075	18.4919
LME3920	Ribnik	44.4671	16.7843	LME3865	Trebinje	42.7082	18.3503
LME3924	Gradačac	44.8776	18.4259	LME3869	Livno	43.8250	17.0077
LME3834	Olovo	44.1265	18.5827	LME3875	Gacko	43.1672	18.5360
LME3836	Ilijaš	43.9486	18.2649	LME3900	Čapljina	43.1118	17.7055
LME3849	Maglaj	44.5455	18.1034	LME4180	Trnovo	43.7003	18.3015
LME3850	Ilijaš	43.9486	18.2649	LME4181	Bihać	44.8120	15.8683
LME3860	Ilijaš	43.9486	18.2649	LME4182	Olovo	44.1265	18.5827
LME3870	Zenica	44.2034	17.9077	LME4183	Hadžići	44.0831	18.4430
LME3902	Olovo	44.1265	18.5827	LME4184	Olovo	44.1265	18.5827
LME3904	Vareš	44.1619	18.3268	LME4188	Hadžići	44.0831	18.4430
LME3906	Kiseljak	43.9400	18.0786	LME4189	Ilijaš	43.9486	18.2649
LME3907	Kreševo	43.8656	18.0346	LME4194	Kakanj	44.1372	18.1252
LME3908	Kiseljak	43.9400	18.0786	LME4195	Živinice	44.4498	18.6464
LME3909	Gornji Vakuf	43.9375	17.5880	LME4198	Doboj Jug	44.6822	18.0513
LME3910	Ilijaš	43.9486	18.2649	LME4200	Doboj Jug	44.6822	18.0513
LME3914	Vareš	44.1619	18.3268	LME4201	Živinice	44.4498	18.6464
LME3922	Sarajevo	43.8563	18.4131	LME4205	Kakanj	44.1372	18.1252
LME3923	Vogošća	43.9022	18.3426	LME4206	Kakanj	44.1372	18.1252
LME3847	Kladanj	44.2247	18.6919	LME4208	VelikaKladuša	45.1841	15.8068
LME3851	Prača	43.7640	18.7640	LME4210	Olovo	44.1265	18.5827
LME3864	Sokolac	43.9341	18.8019	LME4211	Žepče	44.4291	18.0382
LME3866	Zvornik	44.3865	19.1048	LME4215	Usora	44.6937	17.9733
LME3874	Han Pijesak	44.0672	18.9433	LME4216	Žepče	44.4291	18.0382
LME3903	Srebrenik	44.7075	18.4919				

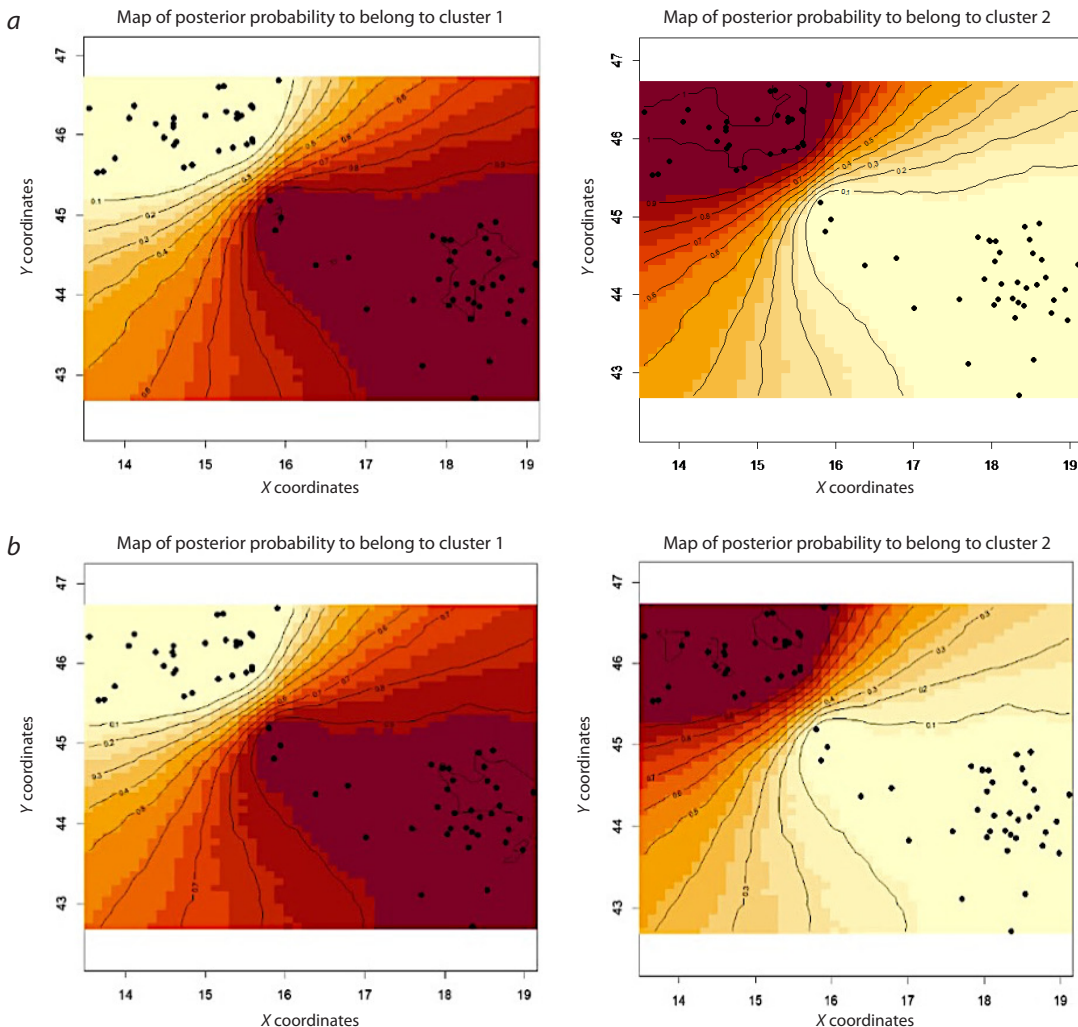
Supplementary Material 2. List of microsatellite markers used for primer set mixtures

Loci	Position, bp	Primer	Dye	Sequence	Multiplex	Reference
DGN14	248–314	DGN14_F	NED	TCACACAAAGTGGGTAAGATGG	1	Kukekova et al., 2004
		DGN14_R		GATTATGGTGCTATCCCTCTGG	1	
Ren69B24	228–280	Ren69B24_F	FAM	TGTAGGGCAGTGAATAAAG	1	Kukekova et al., 2004
		Ren69B24_R		GCCTGGCTCAAGCTCACAAGT	1	
V374	106–118	V374_F	VIC	TACACACAGGAAGTAATGGGG	1	Kukekova et al., 2004
		V374_R_pt		GTTTCTTGACAGAAAGACAGAAGGCTTAG	1	
Vv-C01.424	186	Vv-C01.424_F	FAM	AGCCTAGCTTACTGCCCTGG	1	Richman et al., 2001
		Vv-C01.424_R		TCCTTTGGTTTTAGCAGGG	1	
VVM189	227–249	VVM189_F	VIC	GATCTGTGAGCATAAGGGTTTT	1	Kukekova et al., 2007
		VVM189_R		TTATCCAGTCCCAAAGTCTGTCT	1	
Vv-REN169O18	154–177	Vv-REN169O18_F	NED	TAGCAAAACCCCAACTCAC	1	Kukekova et al., 2007
		Vv-REN169O18_R		ACTGTGTGAGCCAATCCCTT	1	
FH2281	329–413	FH2281_F	FAM	TGCTGGCAGCTATACCAAGA	2	Kukekova et al., 2007
		FH2281_R		ATGTGATGCAGAGTTCCC	2	
FH2541	151–179	FH2541_F	FAM	CGTATGAGTTGGTATAATCTCAGG	2	Kukekova et al., 2004
		FH2541_R_pt		GTTTCTTGCTTTTCACCTCCCTCTTG	2	
Vv-CPH11	118–178	Vv-CPH11_F	NED	GTTAATGTTTCTCCGATGTTTACA	2	Kukekova et al., 2007
		Vv-CPH11_R_pt		GTTTCTTGAAAGCCAAGCATGACTAGG	2	
Vv-INU055	204–220	Vv-INU055_F	PET	CCAGGTGCCCTATCCATCT	2	Kukekova et al., 2007
		Vv-INU055_R		GCACCACTTTGGGCTCCTTC	2	
VVM124	234–252	VVM124_F	VIC	CTCTGTACACGGCCAACT	2	Kukekova et al., 2007
		VVM124_R		GGTATTCCTGTGCCTCTTGTC	2	
FH2174	166–190	FH2174_R_pt	VIC	GTTTCTTAAGTCTCGCTCGGGGTC	2	Richman et al., 2001
		FH2174_F		CACCTGTTCTCATAGAATGCAG	2	
DGN3	192–250	DGN3_F	FAM	TTTTTCTGTAAACCTAAAGCTGC	3	Kukekova et al., 2004
		DGN3_R_pt		GTTTCTTGAAAGGTACAGGCATGTAGTTGG	3	
FH2289	202–219	FH2289_F	VIC	CATGGTCTCAGGATCCTAGGA	3	Richman et al., 2001
		FH2289_R		CTAAGCATTCTCTGATGGTCTT	3	
V402	78–90	V402_F	FAM	GGGTAATTCATCCAGTGCCTT	1	Kukekova et al., 2007
		V402_R		TATGCAAACATGCAAACATGC	1	
Ren161A12	295–303	Ren161A12_F	NED	GCCAAATGCTCTCAGATGGGT	3	Kukekova et al., 2004
		Ren161A12_R_pt		GTTTCTTTGTCCACAGCTCATGAAAGG	3	
Ren162B09	190–194	Ren162B09_F	PET	CAAACCTTGACAGTCTTTTCAGGA	3	Kukekova et al., 2004
		Ren162B09_R		GCATTCAAGATGCACCAATG	3	
Vv-C08.618	199	Vv-C08.618_F	NED	CAACCCAGGGTGAAGC	3	Richman et al., 2001
		Vv-C08.618_R		GCCAGAATCCATTGAGAAA	3	

Supplementary Material 3. Geneland estimation of cluster membership.
K = 2 confirmed in both uncorrelated (left) and correlated (right) model.



Supplementary Material 4. Geneland distribution of samples according to the coordinates and density of each cluster calculated with an uncorrelated (a) and a correlated model (b).
Stronger colours indicate a higher probability, and the lighter colours are less likely to belong to a cluster.



Supplementary Material 5. DAPC data on red fox samples membership to each of four clusters (K = 4)

Sample	Location	Cluster	Sample	Location	Cluster
Slovenia					
LME1905	Novomeško	4	LME1894	Posavsko	1
LME1922		1	LME1895		4
LME1923		1	LME1896		1
LME1779	Gorenjsko	1	LME1893		1
LME1924		3	LME1879	Pomursko	3
LME1925		1	LME1880		4
LME1926		1	LME1915		1
LME1909		4	LME1916		1
LME1910		4	LME1917		3
LME1780	Kočevsko – Belokranjsko	1	LME1918		4
LME1781		3	LME1777	Savinjsko-Kozjansko	4
LME1875		3	LME1775		1
LME1882		1	LME1877		1
LME1883		4	LME1913		3
LME1874		3	LME1914		3
LME1885	Notranjsko	3	LME1871		1
LME1886		2	LME1891	Slovensko-Goriško	2
LME1884		1	LME1911		3
LME1887		4	LME1912		3
LME1766	Primorsko	1	LME1872		1
LME1771		1	LME1873		1
LME1772		1	LME1890		1
LME1768		1	LME1892		4
LME1773		3	LME1920		1
LME1888		1	LME1921		3
LME1778	Pohorsko	3	LME1767	Triglavsko	3
LME1878		1	LME1769		3
LME1870		2	LME1761	Kamniško-Savinjsko	4
LME1869		3	LME1881		2
			LME1927		1

Supplementary Material 5 (end)

Sample	Location	Cluster	Sample	Location	Cluster
Bosnia and Herzegovina					
LME3846	Cazin	4	LME3912	Lukavac	4
LME3852	Stanari	3	LME3913	Goražde	3
LME3861	Usora	4	LME3915	Kladanj	3
LME3862	Pelagićevo	3	LME3916	Trnovo	3
LME3911	Velika Kladuša	4	LME3919	Kladanj	4
LME3918	Drvar	3	LME3925	Srebrenik	2
LME3920	Ribnik	4	LME3865	Trebinje	2
LME3924	Gradačac	2	LME3869	Livno	3
LME3834	Olovo	4	LME3875	Gacko	4
LME3836	Ilijaš	4	LME3900	Čapljina	3
LME3849	Maglaj	4	LME4180	Trnovo	3
LME3850	Ilijaš	2	LME4181	Bihać	3
LME3860	Ilijaš	4	LME4182	Olovo	4
LME3870	Zenica	3	LME4183	Hadžići	3
LME3902	Olovo	2	LME4184	Olovo	3
LME3904	Vareš	2	LME4188	Hadžići	4
LME3906	Kiseljak	4	LME4189	Ilijaš	3
LME3907	Kreševo	3	LME4194	Kakanj	3
LME3908	Kiseljak	4	LME4195	Živinice	3
LME3909	Gornji Vakuf	3	LME4198	Doboj Jug	3
LME3910	Ilijaš	2	LME4200	Doboj Jug	4
LME3914	Vareš	3	LME4201	Živinice	3
LME3922	Sarajevo	4	LME4205	Kakanj	3
LME3923	Vogošća	4	LME4206	Kakanj	3
LME3847	Kladanj	3	LME4208	Velika Kladuša	2
LME3851	Prača	3	LME4210	Olovo	3
LME3864	Sokolac	2	LME4211	Žepče	2
LME3866	Zvornik	2	LME4215	Usora	3
LME3874	Han Pijesak	3	LME4216	Žepče	4
LME3903	Srebrenik	2			

Supplementary Material 6. CLUMPP Q values and geographic coordinates from the sample areas for K = 4 clusters

Sample	Pop	Lat	Long	Q1	Q2	Q3	Q4
LME1905	1	45.8016	15.1662	0.4923	0.4705	0.0197	0.0175
LME1922	1	45.8432	15.3370	0.5381	0.4318	0.0146	0.0155
LME1923	1	45.8432	15.3370	0.5215	0.4481	0.0166	0.0138
LME1779	1	46.2215	14.0455	0.5340	0.4302	0.0200	0.0158
LME1924	1	46.3683	14.1137	0.4415	0.5431	0.0073	0.0081
LME1925	1	46.3683	14.1137	0.5072	0.4573	0.0157	0.0198
LME1926	1	46.3683	14.1137	0.5379	0.4371	0.0130	0.0120
LME1909	1	46.0993	14.6003	0.5486	0.4333	0.0079	0.0102
LME1910	1	46.0993	14.6003	0.4524	0.4446	0.0483	0.0548
LME1780	1	45.9164	14.6404	0.5406	0.4377	0.0106	0.0111
LME1781	1	45.8783	14.6093	0.5131	0.4529	0.0166	0.0174
LME1875	1	45.5921	14.7357	0.4606	0.5092	0.0154	0.0148
LME1882	1	45.9164	14.6404	0.5378	0.4445	0.008	0.0097
LME1883	1	45.9164	14.6404	0.4819	0.4363	0.0312	0.0506
LME1874	1	45.6246	14.8384	0.5144	0.4069	0.0384	0.0402
LME1885	1	45.9646	14.4795	0.4269	0.5412	0.0147	0.0172
LME1886	1	45.9646	14.4795	0.5371	0.438	0.0135	0.0114
LME1884	1	46.1427	14.3839	0.5419	0.4388	0.0092	0.0101
LME1887	1	46.1427	14.3839	0.5433	0.4238	0.0169	0.0160
LME1766	1	45.7111	13.8720	0.4929	0.4843	0.0107	0.0121
LME1771	1	45.7111	13.8720	0.5079	0.4741	0.0090	0.0090
LME1772	1	45.5484	13.7300	0.5464	0.4305	0.0130	0.0101
LME1768	1	45.5374	13.6587	0.5319	0.4475	0.0111	0.0095
LME1773	1	45.5374	13.6587	0.4403	0.5376	0.0102	0.0119
LME1888	1	45.5484	13.7300	0.5473	0.4298	0.0109	0.0120
LME1778	1	46.6101	15.1614	0.4471	0.5209	0.0171	0.0149
LME1878	1	46.6101	15.1614	0.5012	0.4839	0.007	0.0079
LME1870	1	46.6235	15.2246	0.4321	0.4475	0.0650	0.0554
LME1869	1	46.2512	14.9998	0.4396	0.4805	0.0409	0.0389
LME1894	1	45.9532	15.5833	0.5121	0.4503	0.0169	0.0207
LME1895	1	45.9166	15.5915	0.4922	0.4786	0.0134	0.0158
LME1896	1	45.9166	15.5915	0.4598	0.4970	0.0230	0.0202
LME1893	1	45.8843	15.5196	0.4863	0.472	0.0238	0.0179
LME1879	1	46.6975	15.9088	0.3797	0.4209	0.1047	0.0947
LME1880	1	46.6975	15.9088	0.5142	0.4316	0.0318	0.0225
LME1915	1	46.6975	15.9088	0.5198	0.4215	0.0314	0.0273
LME1916	1	46.6975	15.9088	0.4502	0.3875	0.0764	0.0860
LME1917	1	46.6975	15.9088	0.4891	0.4139	0.0368	0.0602
LME1918	1	46.6975	15.9088	0.4828	0.4579	0.0337	0.0256
LME1777	1	46.2538	15.4440	0.4678	0.5032	0.0149	0.0141
LME1775	1	46.2186	15.3898	0.4449	0.5363	0.0094	0.0094
LME1877	1	46.2186	15.3898	0.5337	0.4476	0.0097	0.0090
LME1913	1	46.2710	15.3942	0.4611	0.4965	0.0204	0.0221

Supplementary Material 6 (continued)

Sample	Pop	Lat	Long	Q1	Q2	Q3	Q4
LME1914	1	46.2710	15.3942	0.4458	0.5133	0.0203	0.0206
LME1871	1	46.2984	15.2624	0.4303	0.5263	0.0234	0.0200
LME1891	1	46.3723	15.5643	0.4939	0.4707	0.0199	0.0156
LME1911	1	46.3723	15.5643	0.4066	0.5168	0.0445	0.0321
LME1912	1	46.3723	15.5643	0.4249	0.5258	0.0241	0.0252
LME1872	1	46.3479	15.5929	0.4392	0.5398	0.0116	0.0094
LME1873	1	46.3479	15.5929	0.5384	0.4303	0.0182	0.0131
LME1890	1	46.3479	15.5929	0.4882	0.4645	0.0273	0.0201
LME1892	1	46.3479	15.5929	0.5444	0.4289	0.0137	0.0130
LME1920	1	46.3479	15.5929	0.4467	0.5060	0.0203	0.0270
LME1921	1	46.3479	15.5929	0.4369	0.5251	0.0183	0.0197
LME1767	1	46.3386	13.5484	0.5040	0.4491	0.0194	0.0275
LME1769	1	46.3386	13.5484	0.3799	0.4771	0.0619	0.0812
LME1761	1	46.2224	14.6076	0.5212	0.4251	0.0212	0.0325
LME1881	1	46.1422	14.5927	0.5193	0.4151	0.0391	0.0265
LME1927	1	46.1422	14.5927	0.4908	0.4536	0.0265	0.0292
LME3846	2	44.9690	15.9432	0.0115	0.0109	0.4093	0.5683
LME3852	2	44.7382	17.8240	0.0243	0.0262	0.3383	0.6112
LME3861	2	44.6899	17.9749	0.0149	0.0145	0.4281	0.5425
LME3862	2	44.9109	18.6111	0.0151	0.0152	0.3358	0.6339
LME3911	2	45.1841	15.8068	0.0100	0.0100	0.6421	0.3379
LME3918	2	44.3711	16.3813	0.0101	0.0103	0.4237	0.5558
LME3920	2	44.4671	16.7843	0.0194	0.0204	0.5666	0.3936
LME3924	2	44.8776	18.4259	0.0285	0.0246	0.6179	0.3289
LME3834	2	44.1265	18.5827	0.0081	0.0082	0.6435	0.3402
LME3836	2	43.9486	18.2649	0.0146	0.0153	0.3746	0.5955
LME3849	2	44.5455	18.1034	0.0112	0.0110	0.4092	0.5686
LME3850	2	43.9486	18.2649	0.0125	0.0129	0.638	0.3366
LME3860	2	43.9486	18.2649	0.0130	0.0128	0.6286	0.3457
LME3870	2	44.2034	17.9077	0.1004	0.0910	0.2961	0.5125
LME3902	2	44.1265	18.5827	0.2099	0.1714	0.3863	0.2323
LME3904	2	44.1619	18.3268	0.0242	0.0228	0.6238	0.3292
LME3906	2	43.9400	18.0786	0.0150	0.0147	0.4864	0.4838
LME3907	2	43.8656	18.0346	0.0140	0.0147	0.3953	0.5760
LME3908	2	43.9400	18.0786	0.0723	0.0638	0.4808	0.3831
LME3909	2	43.9375	17.5880	0.1010	0.1243	0.2884	0.4863
LME3910	2	43.9486	18.2649	0.0177	0.0198	0.6231	0.3394
LME3914	2	44.1619	18.3268	0.0563	0.0570	0.3382	0.5486
LME3922	2	43.8563	18.4131	0.0158	0.0162	0.4379	0.5301
LME3923	2	43.9022	18.3426	0.0108	0.0101	0.6313	0.3478
LME3847	2	44.2247	18.6919	0.0175	0.0186	0.3767	0.5872
LME3851	2	43.7640	18.7640	0.0217	0.0212	0.5813	0.3758
LME3864	2	43.9341	18.8019	0.0075	0.0076	0.6487	0.3362
LME3866	2	44.3865	19.1048	0.0083	0.008	0.6481	0.3356

Supplementary Material 6 (end)

Sample	Pop	Lat	Long	Q1	Q2	Q3	Q4
LME3874	2	44.0672	18.9433	0.0219	0.0196	0.3509	0.6076
LME3903	2	44.7075	18.4919	0.0093	0.0081	0.6430	0.3396
LME3912	2	44.5320	18.5311	0.0107	0.0100	0.3560	0.6233
LME3913	2	43.6685	18.9749	0.0431	0.0428	0.4108	0.5033
LME3915	2	44.2247	18.6919	0.0081	0.008	0.5891	0.3948
LME3916	2	43.7003	18.3015	0.0204	0.0217	0.4134	0.5445
LME3919	2	44.2247	18.6919	0.0301	0.0263	0.3752	0.5684
LME3925	2	44.7075	18.4919	0.0195	0.0222	0.5956	0.3627
LME3865	2	42.7082	18.3503	0.0187	0.0192	0.6219	0.3402
LME3869	2	43.8250	17.0077	0.0231	0.0216	0.4831	0.4722
LME3875	2	43.1672	18.536	0.0095	0.0090	0.6355	0.3460
LME3900	2	43.1118	17.7055	0.0199	0.0213	0.5882	0.3706
LME4180	2	43.7003	18.3015	0.0146	0.0156	0.3622	0.6076
LME4181	2	44.8120	15.8683	0.0144	0.0143	0.3869	0.5844
LME4182	2	44.1265	18.5827	0.0240	0.0215	0.3785	0.5760
LME4183	2	44.0831	18.4430	0.0358	0.0427	0.3394	0.5820
LME4184	2	44.1265	18.5827	0.0451	0.0492	0.3195	0.5862
LME4188	2	44.0831	18.4430	0.2785	0.3030	0.1530	0.2656
LME4189	2	43.9486	18.2649	0.0194	0.0202	0.5676	0.3928
LME4194	2	44.1372	18.1252	0.0280	0.0317	0.5022	0.4381
LME4195	2	44.4498	18.6464	0.0884	0.0961	0.2993	0.5162
LME4198	2	44.6822	18.0513	0.0123	0.0138	0.3486	0.6253
LME4200	2	44.6822	18.0513	0.0478	0.0476	0.5457	0.3589
LME4201	2	44.4498	18.6464	0.0153	0.0164	0.5717	0.3966
LME4205	2	44.1372	18.1252	0.0133	0.0140	0.5880	0.3847
LME4206	2	44.1372	18.1252	0.1244	0.1522	0.2717	0.4516
LME4208	2	45.1841	15.8068	0.0401	0.0332	0.5838	0.3429
LME4210	2	44.1265	18.5827	0.1384	0.1299	0.3401	0.3916
LME4211	2	44.4291	18.0382	0.0298	0.0316	0.5685	0.3701
LME4215	2	44.6937	17.9733	0.0108	0.0118	0.3614	0.6160
LME4216	2	44.4291	18.0382	0.0787	0.0724	0.5073	0.3416