

Haplotype	VVY3	VVY5a	VVY5b	VVY7	VVY8	VVY10a	VVY10b	VVY10c	VVY11	VVY13	VVY14	VVY15	VVY16	VVY17	Y29	Y30
A1	417	?	228	269	118	?	304	?	300	426	154	174	237	241	189	423
A2	?	?	228	269	118	?	?	?	?	426	154	?	237	241	189	421
Alopex	?	216	?	256	121	308	310	312	?	431	154	175	226	267	179	411
B	417	?	230	273	118	?	302	304	300	426	154	174	?	241	189	423
C	417	?	230	273	118	?	304	?	300	426	154	174	243	241	189	415
D	417	?	228	273	118	?	304	?	304	426	154	174	241	241	189	421
E	?	?	?	?	?	?	?	?	?	?	?	174	?	241	189	425
F	?	224	?	?	118	?	?	?	304	426	150	174	?	241	189	415
G	413	222	?	269	118	298	304	306	304	426	150	171	233	?	189	415
H	?	218	226	?	118	?	?	?	304	426	150	171	235	241	189	415
I	423	222	226	262	121	300	304	310	312	418	150	182	218	253	191	405
J	419	226	230	262	121	300	304	312	312	418	150	182	218	253	191	405
K	?	224	230	262	121	300	304	312	?	418	?	184	218	255	191	399
L	423	218	226	282	121	300	302	308	316	418	150	171	215	253	189	405
M	423	220	230	266	121	300	304	312	312	418	150	182	220	253	191	405
N1	423	220	230	266	121	300	304	312	308	418	150	182	220	253	191	405
N2	428	220	230	266	121	300	304	312	308	418	150	182	220	253	191	405
N3	428	?	230	266	121	300	?	312	308	418	150	182	220	253	191	405
O	428	220	228	270	121	300	304	312	308	418	150	182	220	253	191	405
P	?	224	232	274	121	300	302	312	308	418	150	184	213	253	189	405
Q	438	222	226	258	121	300	302	310	312	418	150	180	215	253	193	405
R	428	222	226	258	121	300	302	314	312	418	150	188	215	253	193	405
S	433	222	226	262	121	300	306	312	312	418	150	182	218	253	195	405

**Supplementary Table 3: Genotype calls associated with each of the 22 red fox haplotypes and outgroup (Arctic fox) haplotype.** VVY10 does not include the M13 tag, but all other loci do (corresponding to an additional 18 bp). Because multiple alleles can be found within a single individual at VVY5 and VVY10, these marker calls are split in multiple columns according to the scoring scheme described in the Supplemental Note. Boxed cells are calibrated to match Statham et al. (2014); grey, boxed cells are genotype calls conducted by Statham et al. (2014) and included in the present analysis.