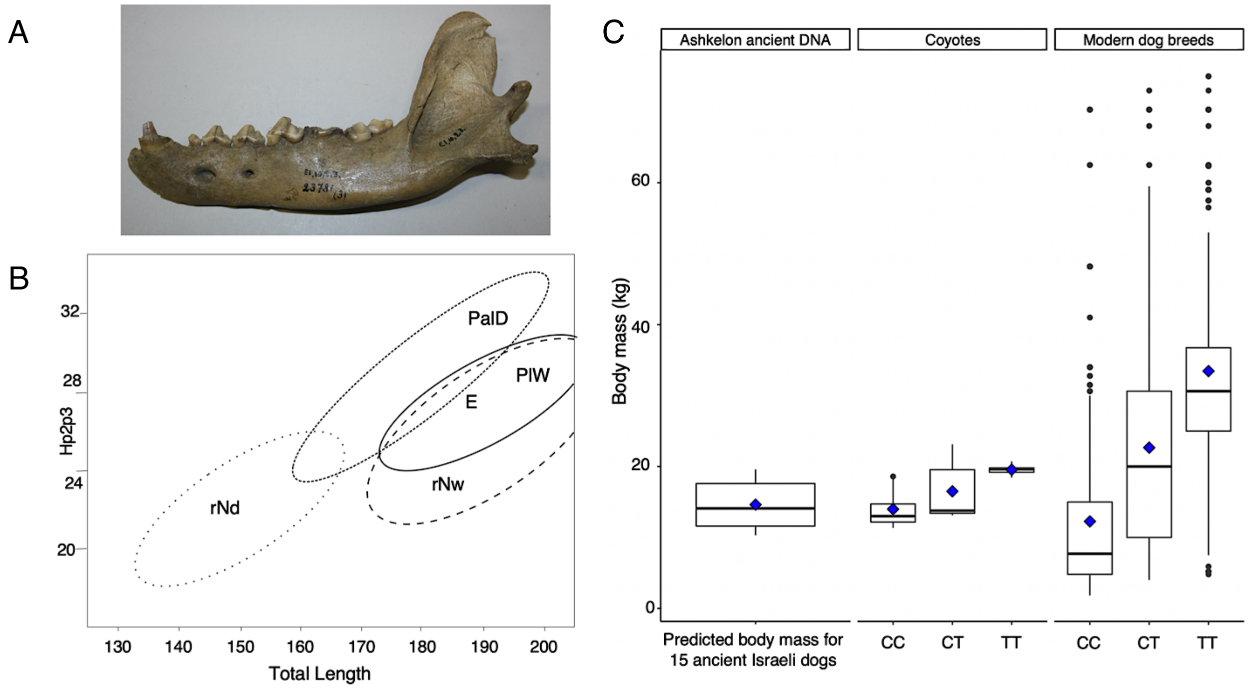


Specimens	Age (Ka)	Region	Site	Genotype	Element	Description	Dimension	Length (Mm)	Losey et al. 2014	BMe (kg)	Reference
Tirekhtyakh (CGG32)	52.5	Siberia	natural	CT	skull	Pleistocene wolf	TL (1)	253.5	2.70*logTL - 4.919	38.1	Germonpré et al. (2017: table 4)
Eliseevichi (AL2657)	16.5	Western Russia	Epigravettian	TT	mandible	Pleistocene wolf	LPcC (4)	163.6	2.945 * logLPcC - 5.104	39.6	
Ulakhan Sular (CGG33)	16.9	Siberia	natural	CT	skull	Palaeolithic wolf	TL (1)	206.1	2.70*logTL - 4.919	21.8	Germonpré et al. (2017: table 4)
Zhokhov (CGG6, ZH-03-97)	9.5	Siberia	prehistoric	CT	mandible	ancient dog				24.8	Pitulko and Kasparov (2017: table 9)

Figure S1. Body mass prediction using ancient canid fossils and *IGF1-AS* variant. Related to Figure 2 and STAR Methods. (A) Lateral view of mandible Eliseevichi AL2657. (B) Bivariate plot of Hp2p3 (mm) showing total length of mandible (mm). See table for specifics. Eliseevichi jaw only is shown in plot. Hp2p3: height of the mandible between p2 and p3. E: Eliseevichi AL2657; wolves from rNw: recent northern (n=39), PlW: Pleistocene (n=18). Dogs from rNd: recent northern (n=39), PalD: Palaeolithic (n=18). LPcC: Length from condyle process to border of the canine alveolus; TL: Total length of the skull as measured by [20]. (C) Body mass comparison between ancient dogs, modern dogs and coyotes. Diamonds = mean body mass; black horizontal bars = medians.

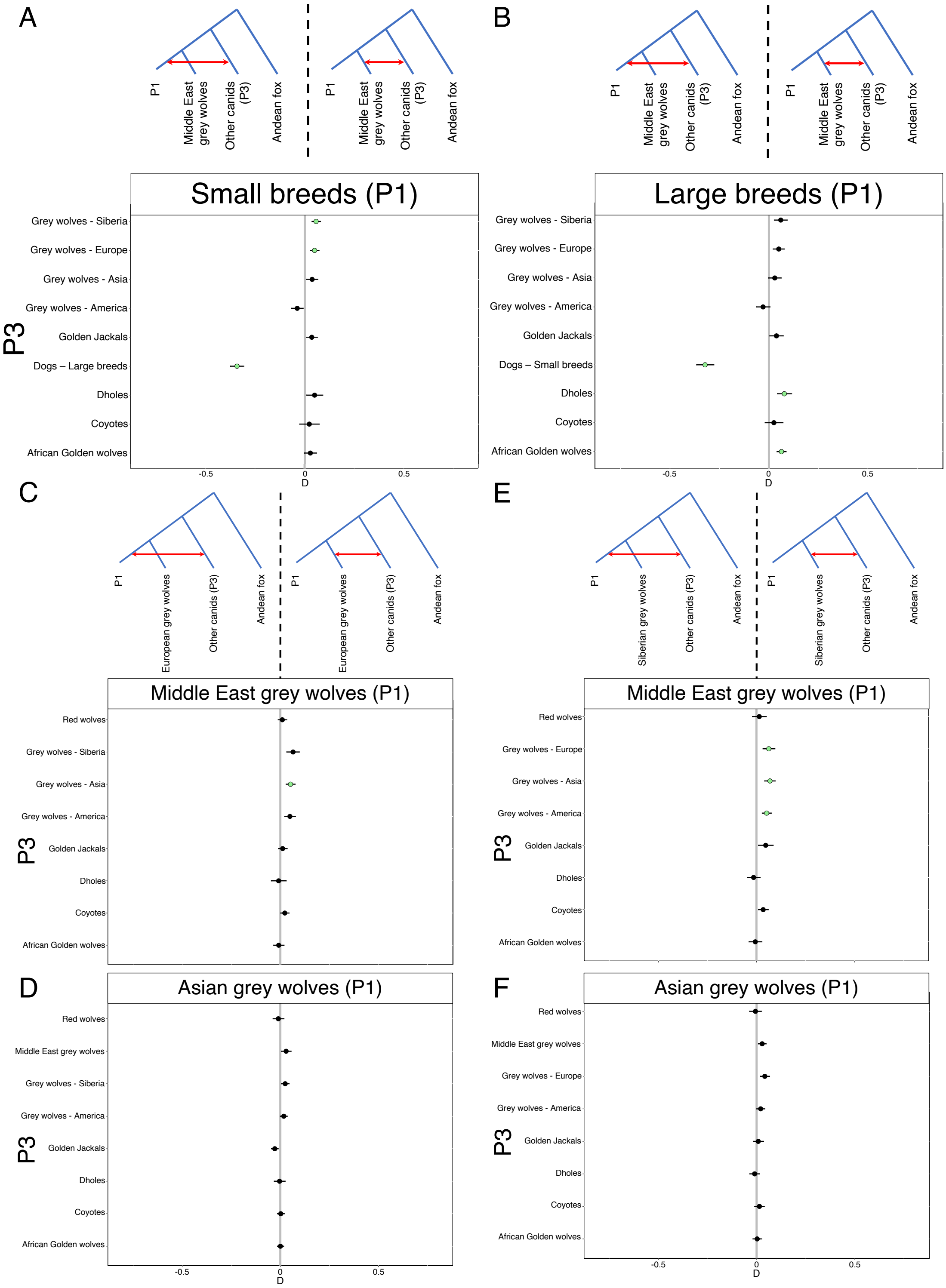
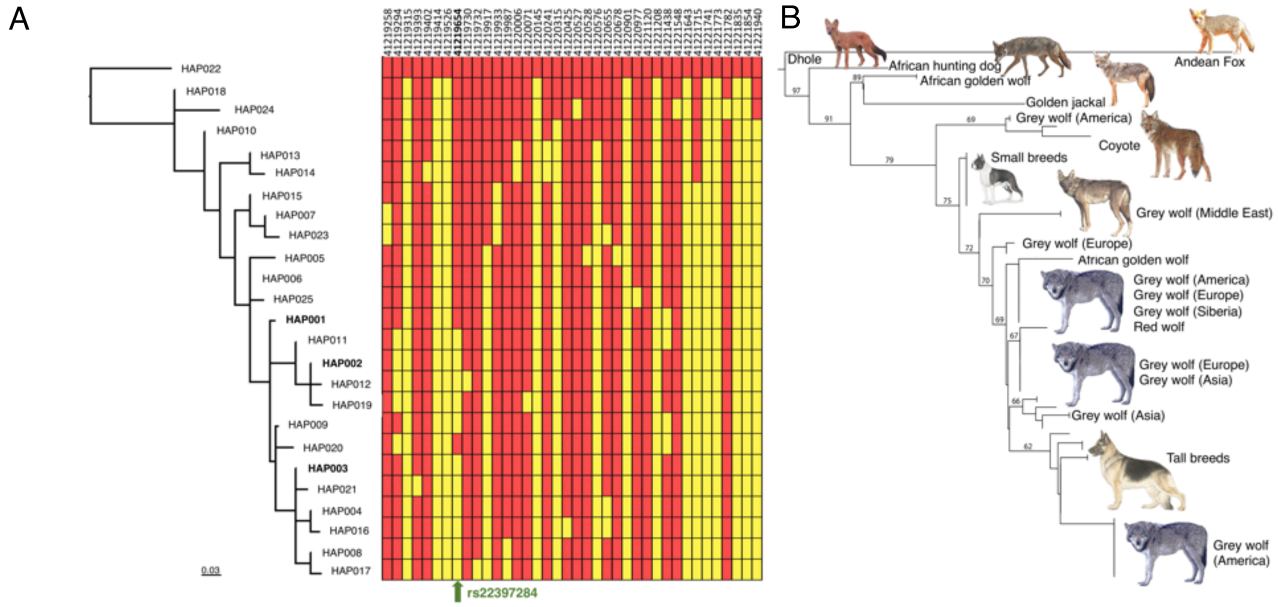


Figure S2. *D*-Statistics to test the hypothesis of gene flow existing (A-B) between dogs and other wild canids, and (C-F) between small grey wolves and other wild canids. Related to Figures 2, 3 and STAR Methods. (A-B) Small and large breeds are defined in STAR Methods. Results for analyses zoomed in on 2Mb locus centered on *IGF1-AS* variant. P1 population is indicated at the top of each graph. Significant values (P value<0.05) are highlighted in green. Error bars represent the standard error estimated via jackknife resampling with a block size of one MB.



C

				Haplotype frequences													Modern dog metrics			
Haplotype ID	Sequence	Nb. Sample	*IGF1-AS* allele	Modern dog	Village dog	New-Guinea singing dog	Grey wolf	Coyote	Red Wolf	Golden Jackal	African golden wolf	Ethiopian wolf	African hunting dog	Dingo	Dhole	Andean Fox	Mean Body mass (kg)	Mediane	StDev	Comments
HAP001	CGCCGACCGCCCAACTCGGAAAAACGGCACCTTGTAAT	1223	Small	0.498	0.256	-	0.007	-	-	-	-	-	-	-	-	-	13.2	9.1	11.6	Main small/medium dog (+ 1 Middle East grey wolf)
HAP002	CACCGACTGCCCAACTCGGAAAAACGGCGCCTTGTAAT	938	Large	0.353	0.312	0.07	0.272	-	-	-	-	-	-	-	-	-	32.3	30.6	14.2	Main large dog / grey wolf
HAP003	CGCCGACTGCCCAACTCGGAAAAACGGCGCCTTGTAAT	402	Large	0.115	0.236	0.8	0.345	-	0.75	-	0.1	-	-	-	-	-	29.9	25.00	17.9	Large dog / Grey wolf / New-Guinea singing dog
HAP004	CGCCGACTGCCCAACTCGGAAACACGGCGCCTTGTAAT	55	Large	0.008	0.076	0.13	0.095	-	-	-	-	-	-	-	-	-	24.1	25.00	10.7	Primitive dog breeds / Grey wolf / New-Guinea singing dog
HAP005	CGCCGACCGCCCAACTCGGAGAAGCGGCGCCTTGTAAT	5	Small	-	0.004	-	0.015	-	-	-	-	-	-	1.00	-	-	-	-	-	Dingo / Asian Grey wolf
HAP006	CGCCGACCGCCCAACTCGGAAAAACGGCGCCTTGTAAT	48	Small	0.009	0.06	-	0.073	0.125	-	-	-	-	-	-	-	-	44.6	34.9	25.7	Large Middle East / Asian breeds : Tibetan mastiff and Afghanhound
HAP007	TGCCGACCGCTAAACTCGGAAAAACGGCGCCTTGTAAT	17	Small	0.005	0.024	-	-	-	-	-	-	-	-	-	-	-	37.1	26.1	21.5	Large Middle East / Asian breeds : Tibetan mastiff and Afghanhound
HAP008	CGCCGACTGCCCGACTCGGAAAAACGGCGCCTTGTAAT	17	Large	-	-	-	0.125	-	-	-	-	-	-	-	-	-	-	-	-	Only in grey wolf
HAP009	CGCCGACTGCCCAACTCGGAAAAACGGCACCTTGTAAT	8	Small	0.003	-	-	-	-	-	-	-	-	-	-	-	-	20.8	19.5	15.7	Only heterozygous dogs with different sizes
HAP010	CGCCGACCGCTCAACTCGGAACAACGGCGCCCTGTAAT	7	Small	-	-	-	-	-	-	0.166	0.6	-	-	-	-	-	-	-	-	African Golden Wolf / Golden Jackal
HAP011	CACCGACTGCCCAACTCGGAAAAACGGCACCTTGTAAT	5	Large	0.002	-	-	-	-	-	-	-	-	-	-	-	-	15.2	16.5	8.4	Only heterozygous dogs with different sizes
HAP012	CACCGACTCCCCAACTCGGAAAAACGGCGCCTTGTAAT	4	Large	-	0.012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Village dog
HAP013	CGCCGACCGCTCATCTAGGAAAAACGGCGCCCTGTAAT	5	Small	-	-	-	0.007	0.375	0.25	-	-	-	-	-	-	-	-	-	-	Coyote / Coyote-wolf hybrid / Red wolf
HAP014	CGCCAACCGCTCATCTAGGAAAAACGGCGCCCTGTAAT	4	Small	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	Coyote
HAP015	CGCCGACCGCTAAACTCGGAAAAACGGCGCCTTGTAAT	5	Small	-	0.008	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	Village Dog / Golden jackal
HAP016	CGCCGACTGCCCAACTCGAAAACACGGCGCCTTGTAAT	3	Large	0.0004	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Jindo / Chinese village dog
HAP017	CGCCGACTGGCCGACTCGGAAAAACGGCGCCTTGTAAT	3	Large	-	-	-	0.022	-	-	-	-	-	-	-	-	-	-	-	-	Asian grey wolf
HAP018	CGCCGACCGCTCAACTCAGAACAACGGCGCCCTGTAAC	3	Small	-	-	-	-	-	-	-	-	-	0.5	-	0.5	-	-	-	-	Dhole / African hunting dog
HAP019	CACCGACTGCCCAATTCGGAAAAACGGCGCCTTGTAAT	2	Large	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Berger Picard / Bouvier des Flandres
HAP020	CACCGACCGCCCAACTCGGAAAAACGGCACCTTGTAAT	2	Small	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Portuguese Water Dog / Soft Coated Wheaten Terrier
HAP021	CGCTGACTGCCCAACTCGGAAAAACGGCGCCTTGTAAT	2	Large	-	-	-	0.015	-	-	-	-	-	-	-	-	-	-	-	-	Iberic grey wolf
HAP022	CGTCGGTCGCTCAACGCAGAACAATGGTGCTCCATGGC	2	Small	-	-	-	-	-	-	-	-	-	-	-	-	1.00	-	-	-	Andean Fox
HAP023	TGCCGACCGCTAAACTCGGAAACACGGCGCCTTGTAAT	2	Small	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Chow-Chow
HAP024	CGCCGACCGCTCAACTCAGTACAACGGCGGCCTGGAAC	2	Small	-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	Dhole
HAP025	CGCCGACCGCCCAACTCGGAAAAACAGCGCCTTGTAAT	2	Small	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	African Golden Wolf
HAP026	CACCGACCGCCCAACTCGGAAAAACGGCGCCTTGTAAT	1	Small	-	0.004	-		-	-	-	-	-	-	-	-	-	-	-	-	Village dog
HAP027	CGCCGACCGCTCATCTAGGAAAAACGGCGCCTTGTAAT	1	Small	-	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	Grey wolf
HAP028	CGCCGACTGGCCAACTCGGAAACACGGCGCCTTGTAAT	1	Large	-	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	Grey wolf
HAP029	CGCCGACCGCTCAACTCAGAACAACGGCGCCCTATAAC	1	Small	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	African hunting dog
HAP030	CACCGATTGCCCAACTCGGAAAAACGGCGCCTTGTAAT	1	Large	0.0004	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	Boerboel
HAP031	CGCCGACCGCCCAACTCGAAAAAACGGCACCTTGTAAT	1	Small	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CairnTerrier
HAP032	CATCGACTGCCCAACTCGGAAAAACGGCGCCTTGTAAT	1	Large	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GreaterSwissMountainDog
HAP033	CGCCGACCGCCCAACTCGGAACAACAGCGCCTTGTAAT	1	Small	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	African Golden Wolf
HAP034	CGCCGACCGCCCAACTCGGAAAAACGACACCTTGTAAT	1	Small	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Schipperke
HAP035	CGCCGACCGCCCAACTCGGAAAAACGGCGCCTTGGAAT	2	Small	-	-	-	-	-	-	-	-	1.00	-	-	-	-	-	-	-	Ethiopian Wolf
HAP036	CGCCGACCGCTCAACTCGGAAAAACGGCGCCTTGTAAT	2	Small	-	-	-	-	-	-	0.333	-	-	-	-	-	-	-	-	-	Golden Jackal
HAP037	CACCGACTGCCCAACTCGGAAACACGGCGCCTTGTAAT	1	Large	-	-	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	Grey wolf

Figure S3. Haplotype analysis and *IGF1-AS* neighbor-joining tree. Related to Figures 2, 3 and STAR Methods (A) Haplotypes spanning *IGF1-AS* using 38 markers (see supplementary data) and WGS. *IGF1-AS* variant represented by green arrow. Ancestral alleles (red) defined from the Andean fox; yellow = derived alleles. (B) *IGF1-AS* neighbor-joining tree based on 2,682 bp of phased sequences rooted using the Andean Fox. Grey wolves are named using their geographic location; breed size assignments are defined in STAR Methods. (C) Haplotype frequences among the 1,389 canid genomes analysed in this study.

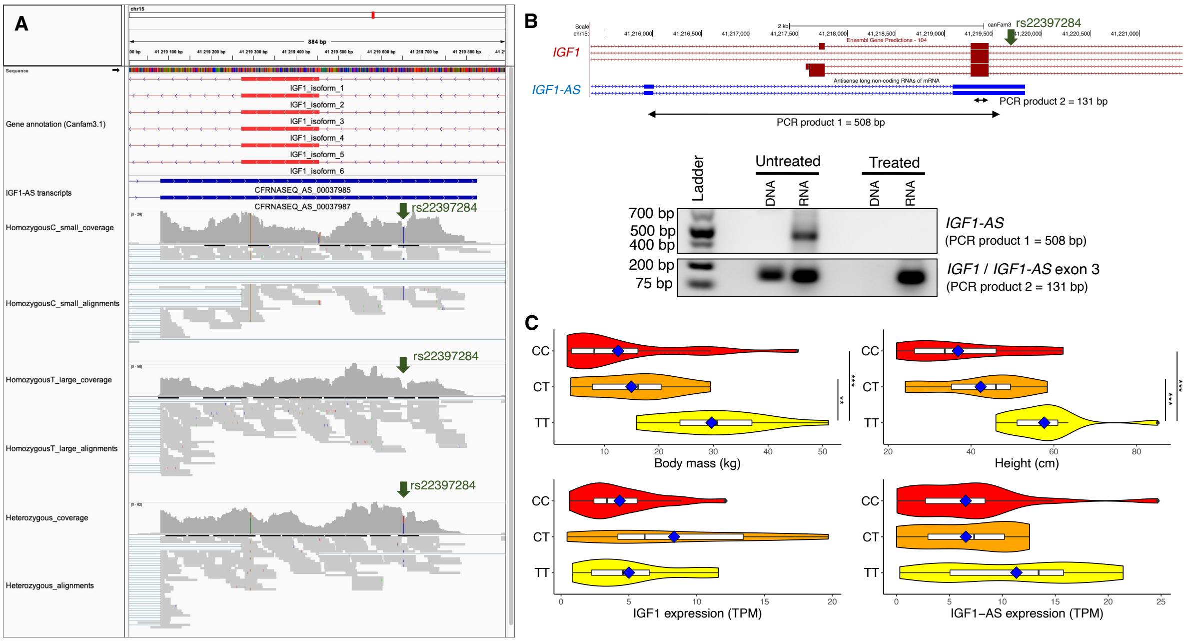


Figure S4. Functional analyses of *IGF1-AS.* Related to STAR Methods. A) Screenshot of RNA-SEQ data visualized IGV[70] with a zoom on the last exon of *IGF1-AS*. Red bar = *IGF1* third exon, blue bars = the last exon of *IGF1-AS* (two isoforms), green arrow = the SNP (rs22397284; chr15:41219654.g.T<C) and grey bars = read alignments. The first two RNA-Seq tracks show the homozygous C (small dog-ID:25363) in blue, lines 3-4 RNA-Seq indicate data for a homozygous T (large dog, ID:25460), and the last two tracks highlight data for a heterozygous dog. (B) Results of the RPA using DNAse/RNAse treatment. Top panel: Control indicating efficiency of the nuclease treatment on *IGF1-AS* detection. Bottom panel: Presence of *IGF1-AS*/*IGF1* mRNA duplex (exon 3) validated by RT-PCR in cDNA produced from nuclease treated RNA (C) RNA-seq analyses of testes from 26 small and 14 large dog breeds (STAR Methods). Upper boxplots: body mass and height distributions for the three genotypes. Diamonds = mean body mass; black vertical bars = medians. (**$P<0.001$, ***$P < 0.0001$, Mann–Whitney–Wilcoxon tests). Bottom boxplots: *IGF1* and *IGF1-AS* expression levels.

GWAS Rank	Biallelic SNV	dbSNP number	Large allele (Dog reference)	Small allele	GWAS data: All breeds population n=456 Af	Beta	Variance	p_Wald	p_Wald after correction* n=446	Small breeds (SBW <15 kg) n=182	Medium breeds (15<SBW<25) n=106	Large breeds (SBW >25 kg) n=168
										Small allele frequency		
1	chr15:41216098	NA	C	T	0.51	-7.25	0.11	1e-31	1.36e-30	0.82	0.42	0.19
2	chr15:41221438	rs22437444	G	A	0.52	-7.17	0.11	2.48-31	3.19e-30	0.83	0.41	0.19
3	chr15:41216597	rs22362978	G	A	0.51	7.06	0.11	3.36e-30	1.35e-30	0.82	0.44	0.19
4	**chr15:41219654**	**rs22397284**	**T**	**C**	**0.5**	**6.84**	**0.1**	**3.97e-29**	**3.16e-31**	**0.83**	**0.42**	**0.21**
5	chr15:41227725	NA	G	A	0.55	-6.92	0.1	4.56e-29	1.67e-28	0.78	0.39	0.16
6	chr15:41228068	NA	G	A	0.55	-6.92	0.1	4.56e-29	1.672e-28	0.78	0.39	0.16
7	chr15:41217964	rs22381307	C	A	0.5	6.82	0.1	3.99e-28	1.02e-27	0.83	0.45	0.19
8	chr15:41229597	rs22426115	A	G	0.54	-6.78	0.1	5.28e-28	1.35e-30	0.78	0.43	0.15
9	chr15:41217985	rs22381305	T	C	0.49	6.74	0.1	6.57e-28	2.8e-28	0.83	0.46	0.21
10	chr15:41229800	rs22426118	T	C	0.55	-6.67	0.1	1.74e-27	3.66-26	0.78	0.42	0.15
-	chr15:41220980		-	SINE	-	-	-	NA	NA	-	-	-

GWAS Rank	All WGS data: Small breed (SBW <15 kg) n=438	Medium breed (15<SBW<25) n=191	Large breed (SBW >25 kg) n=426	Village dogs n=125	Grey wolves n=68	Coyotes n=4	Red wolves n=2	Other canids n=18	Only wild canids body size GWAS p-values n=80
	Small allele frequency				Small allele frequency				
1	0.8	0.43	0.21	0.19	0	0	0	0	1
2	0.8	0.42	0.21	0.18	0.01	0	0	0	0.32
3	0.79	0.45	0.22	0.23	0.09	0	0.25	0.06	0.82
4	**0.8**	**0.44**	**0.23**	**0.28**	**0.12**	**1**	**0.25**	**0.97**	1.68e-19
5	0.76	0.4	0.19	0.2	0.07	0	0	0.11	0.37
6	0.76	0.4	0.19	0.2	0.05	0	0	0.08	0.03
7	0.8	0.46	0.23	0.25	0	0	-	0.19	0.01
8	0.76	0.43	0.18	0.27	0.01	0	0	0	0.32
9	0.8	0.45	0.24	0.28	0.14	1	-	0.97	2.82e-14
10	0.76	0.42	0.18	0.27	0.01	0	0	0	0.32
-	-	-	-	-	0	0	0	0	NA

GWAS Rank	Sanger sequenced wild canids: Grey wolves America/Europe n=29	Grey wolves MiddleEast/Asia n=17	Coyotes West-MidWest n=31	Coyotes East n=44	Other canids n=12	Sanger sequenced specific breeds: Miniature Schnauzer n=48	Standard Schnauzer n=42	Giant Schnauzer n=48	Toy Poodle n=48	Miniature Poodle n=48	Standard Poodle n=48
	Small allele frequency					Small allele frequency			Small allele frequency		
1	-	-	-	-	-	-	-	-	-	-	-
2	0	0	0	0	0	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-
4	**0.18**	**0.5**	**0.94**	**0.5**	**1**	**0.96**	**0.9**	**0**	**1**	**0.97**	**0.5**
5	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-
-	0	0	0	0	0	0.96	0.85	0	1	0.9	0.4

Table S1. Top 10 most associated variants with body size variations in dogs and wild canids. Related to Figures 1, 2 and 4.

The genetic variance attributable to each variant was estimated as V=2*Af*(1-Af)*(beta^2)/(variance(breed body mass average)=231.6). Beta is the estimated SNP effect (regression coefficient) givem by GEMMA (Zhou et al, Nat. Genet 2012). For the SINE (207bp), we used IGV software to detect the presence of the SINE in WGS, and for Sanger sequenced samples, we only ran PCR product on an 2% agarose gel to detect presence/absence. * We removed three non-European breeds (four Chowchow, two Afghanhound, four Tibetan mastiff) that do not appear under selection for body size on this locus (these breeds carry their own haplotypes); Af: Small allele frequency ; - : Not checked ; NA: Not applicable ; Dog reference : Canfam3.1.

Species	Common name	Sample_ID_VCF	Country	Body mass (kg)*	Latitude	Longitude	Annual mean temperature	Group D-Stats / Phylogeny	WGS Biosample / Methods	Coverage All	Associated paper / Owner	IGF1-AS variant	Small Allele C Frequency	Large Allele T Frequency	Group D-Stats/Phylogeny/Region	SINE	chr15:41216098	chr15:41216597	chr15:41217964	chr15:41217985	chr15:41219654	chr15:41221438	chr15:41227725	chr15:41228068	chr15:41229597	chr15:41229800
																	Top 10 most associated markers									
Cuon alpinus	Dhole	Dhole_BerlinZoo	Berlin Zoo	15	20.933	97.67	22.1	DHOLE	SAMN10180424	11.66	Gopalakrishnan et al 2018	CC	1.00	0.00	DHOLE	No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Cuon alpinus	Dhole	Dhole	Kunming Institute of Zoology, CAS	15	14.776	104.645	26.7	DHOLE	SAMN02166405	39.6463	Plassais et al 2019	CC				No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Lycalopex culpaeus	Andean Fox	AndeanFox01	Andes	7.5	-18.371	-67.667	8	OUTGROUP / ROOT GROUP	SAMN02487034	14.5909	Plassais et al 2019	CC	1.00	0.00	OUTGROUP / ROOT GROUP	No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Lycaon pictus	African Hunting Dog	SRR2971441	Kenya	27	1.4419	38.431	26.7	AFRHUNTDOG	SAMN04312209	12.7325075	Campana et al 2016	CC	1.00	0.00	AFRHUNTDOG	No SINE	CC	GG	AA	CC	CC	GG	GG	GG	AA	TT
Lycaon pictus	African Hunting Dog	SRR2971425	South Africa	27	-28.8166	24.9916	17.6	AFRHUNTDOG	SAMN04312208	11.02631876	Campana et al 2016	CC				No SINE	CC	GG	AA	CC	CC	GG	GG	GG	AA	TT
Lycaon pictus	African Hunting Dog	AfricanHuntingDog_Kenya	Kenya	27	0.293	37.986	20.5	AFRHUNTDOG	SAMN10180432	13.18	Gopalakrishnan et al 2018	CC				No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Urocyon cinereoargenteus	Gray fox	SRS1857014	USA (Santa Monica, CA)	3.75	34.0194704	-118.4912273	19.3	NOT_INCLUDED	SAMN06495241	9.892950193	Robinson et al., 2016	CC	1.00	0.00	-	No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis adustus	Side-striped jackal	Side-stripedJackal	Guinea	9.65	10.7226226	-10.7083587	26.6	NOT_INCLUDED	SAMEA5411046	37.541652	Perri et al, 2020	CC	1.00	0.00		No SINE	CC	GG	CA	CC	CC	GG	GG	GG	AA	TT
Canis aureus	Golden Jackal	GoldenJackal_Calcutta	India	8.15	25.886	78.306	25	GOLDJACKL	SAMN10180426	5.16	Gopalakrishnan et al 2018	CC	1.00	0.00	GOLDJACKL	No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis aureus	Golden Jackal	GoldenJackal_Syria	Syria	8.15	35.447	38.491	19.9	GOLDJACKL	SAMN10180427	14.09	Gopalakrishnan et al 2018	CC				No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis aureus	Golden Jackal	GoldenJackal01	Israel (Tel Aviv)	8.15	29.862	58.9	28.2	GOLDJACKL	SAMN03366713	5.50319	Plassais et al 2019	CC				No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis latrans	Coyote	Coyote_Mexico	Mexico	11.8	20.954	-99.336	15.9	COYOTE	SAMN10180422	11.33	Sinding et al 2018	CC	1.00	0.00	COYOTE	No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis latrans	Coyote	Coyote01	USA (California)	11.8	38.892	-120	18.9	COYOTE	SAMN02921301	26.2511	Plassais et al 2019	CC				No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis latrans	Coyote	Coyote02	USA (Alabama)	11.8	32.82	-86.867	17.8	COYOTE	SAMN02921302	6.77105	Plassais et al 2019	CC				No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis latrans	Coyote	Coyote03	USA (MidWest)	11.8	38.943	-107.377	6.6	COYOTE	SAMN02921303	7.99192	Plassais et al 2019	CC				No SINE	CC	GG	NA	NA	CC	GG	GG	GG	AA	TT
Canis anthus	African Golden Wolf	AfricanGoldenWolf_Ethiopia	Ethiopia	11	8.78	38.968	18.7	AFGOLWOLF	SAMN10199001	14.32	Gopalakrishnan et al 2018	CC	0.9	0.1	AFGOLWOLF	No SINE	CC	GG	CC	CC	CC	GG	GG	GG	AA	TT
Canis anthus	African Golden Wolf	SAMC009005	Algeria	11	28.663	2.1948	23.1	AFGOLWOLF	SAMC009005	9.164525	Liu et al 2018	CC				No SINE	CC	AG	CA	CC	CC	GG	AG	AG	AA	TT
Canis anthus	African Golden Wolf	SAMC010560	Egypt	11	27.571	29.722	22.7	AFGOLWOLF	SAMC010560	14.830086	Liu et al 2018	CC				No SINE	CC	GG	CC	CC	CC	GG	AG	AG	AA	TT
Canis anthus	African Golden Wolf	SAMC010561	Morocco	11	31.944	-6.464	11	AFGOLWOLF	SAMC010561	14.363686	Liu et al 2018	CT				No SINE	CC	AG	CA	CT	CT	GG	AG	AG	AA	TT
Canis anthus	African Golden Wolf	SAMC010562	Senegal	11	14.297	-14.233	28.6	AFGOLWOLF	SAMC010562	7.093592	Liu et al 2018	CC				No SINE	CC	GG	CC	NA	CC	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_AtlanticCoast	Atlantic Coast	40	NA	NA	NA	AMERICA	SAMN10246086	8.19	Sinding et al 2018	NA	0.094	0.906	AMERICA	No SINE	CC	GG	CC	TT	NA	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	AlgonquinWolf13467	Canada (Algonquin)	40	45.874	-78.714	4.2	AMERICA	SAMN02791669	7.2025	Plassais et al 2019	TT				No SINE	CC	GG	NA	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	AlgonquinWolf13470	Canada (Algonquin)	40	45.414	-78.467	4.7	AMERICA	SAMN02791668	5.16247	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_BaffinNorth	Canada (Baffin North)	40	72.17	-77.642	NA	AMERICA	SAMN10246087	14.13	Sinding et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_BaffinSouth	Canada (Baffin South)	40	66.74	-66.007	-13.6	AMERICA	SAMN10246088	12.72	Sinding et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_BanksIsland	Canada (Banks Island)	40	73.142	-121.492	-15.3	AMERICA	SAMN10246089	15.36	Sinding et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf_Coyote_Hybrid	QuebecWolf	Canada (Quebec)	40	50.167	-71.831	-0.3	AMERICA	SAMN05736724	6.66526	Plassais et al 2019	CC				No SINE	CC	AG	CC	CC	CC	NA	GG	NA	NA	TT
Canis lupus	Grey Wolf	GreyWolf_Daneborg	Greenland	40	75.178	-41.122	-27.2	AMERICA	SAMN10180430	11.21	Sinding et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	AG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf22	Mexico	40	24.674	-102.61	21.00	AMERICA	SAMN02921314	25.3472	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf23	Mexico	40	27.725	-107.29	12.6	AMERICA	SAMN02921315	6.13001	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf18	North America (Great Lakes)	40	46.489	-84.372	5.1	AMERICA	SAMN02921310	26.3129	Plassais et al 2019	CT				No SINE	CC	GG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_PacificCoast	Pacific Coast	40	NA	NA	NA	AMERICA	SAMN10246091	13.56	Sinding et al 2018	TT				No SINE	CC	GG	NA	TT	NA	GG	GG	GG	AA	NA
Canis lupus	Grey Wolf	GreyWolf_StLawrenceIsland	St Lawrence Island (Bering Strait)	40	NA	NA	NA	AMERICA	SAMN10246094	11.62	Sinding et al 2018	NA				NA	CC	GG	NA	TT	NA	GG	NA	GG	AA	TT
Canis lupus	Grey Wolf	AlaskanWolf	USA (Alaska)	40	65.502	-150.636	-4.6	AMERICA	SAMN05439956	7.25354	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf40	USA (Isle Royale National Park)	40	47.977	-88.922	2.8	AMERICA	SAMN04209256	16.4303	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf28	USA (Yellowstone)	40	45.099	-110.4	3.3	AMERICA	SAMN02921320	27.9369	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf29	USA (Yellowstone)	40	45.191	-111.083	1.2	AMERICA	SAMN02921321	25.8537	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf30	USA (Yellowstone)	40	44.97	-110.113	2.00	AMERICA	SAMN02921322	6.48707	Plassais et al 2019	TT				No SINE	CC	GG	NA	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_VictoriaIsland	Victoria Island (North America)	40	71.07	-109.893	-14.4	AMERICA	SAMN10246096	11.77	Sinding et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	NA	TT
Canis lupus	Grey Wolf	Wolf05	China	40	35.666	99.631	-6.3	ASIA	SAMN03366711	28.1687	Plassais et al 2019	CT	0.079	0.921	ASIA	No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf31	China (LiaoNing)	40	41.673	123.353	8.9	ASIA	SAMN03168394	17.2259	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan03	China (Qinghai, Xining Zoo, Highland)	40	33.053	97.378	-3.3	ASIA	SAMN03652998	27.7631	Plassais et al 2019	TT				No SINE	CC	AG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan04	China (Qinghai, Xining Zoo, Highland)	40	31.877	94.46	-1.8	ASIA	SAMN03653003	27.7412	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf34	China (Shanxi)	40	35.813	110.974	7.6	ASIA	SAMN03168396	17.4116	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf38	China (Shanxi)	40	37.096	111.541	9.7	ASIA	SAMN03168395	9.22011	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan08	China (Xinjiang Duzhishan Garden, Lowland)	40	41.472	85.467	11.7	ASIA	SAMN03653000	27.8366	Plassais et al 2019	TT				No SINE	CC	AG	CC	CC	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan07	China (Xinjiang Kalamaili Nature Reserve, Lowland)	40	43.857	89.992	6.8	ASIA	SAMN03653000	25.1953	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf32	China (Xinjiang)	40	42.348	84.616	-5.6	ASIA	SAMN03168397	15.1332	Plassais et al 2019	TT				No SINE	CC	AG	CC	CC	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf33	China (Xinjiang)	40	40.929	89.103	10.6	ASIA	SAMN03168399	19.0856	Plassais et al 2019	TT				No SINE	CC	AG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf35	China (Xinjiang)	40	43.998	84.285	-7.4	ASIA	SAMN03168398	31.8593	Plassais et al 2019	TT				No SINE	CC	AG	CC	CT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf36	China (Xinjiang)	40	41.718	88.483	7.9	ASIA	SAMN03168400	21.2439	Plassais et al 2019	TT				No SINE	CC	GG	NA	TT	CT	GG	AG	AG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan02	Grey Wolf (Inner Mongolia, Haerbing Zoo, Lowland)	32.5	47.405	101.999	0.4	ASIA	SAMN03653003	27.2582	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf19	India	22	26.394	80.449	25.4	ASIA	SAMN02921311	27.129	Plassais et al 2019	CT				No SINE	CC	GG	CC	CT	CT	GG	AG	AG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan01	Mongolia (Inner Mongolia, Haerbing Zoo, Highland)	32.5	47.316	103.917	1.1	ASIA	SAMN03652997	27.317	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf04	Mongolia (Inner Mongolia)	32.5	47.446	98.783	-5.7	ASIA	SAMN01974489	9.33504	Plassais et al 2019	TT				No SINE	CC	GG	NA	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf37	Mongolia (Inner Mongolia)	32.5	46.481	102.185	-2.00	ASIA	SAMN03168393	11.0496	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	NA	AA	TT
Canis lupus	Grey Wolf	WolfTibetan05	Tibet (Tibet, Luobulingka Zoo, Highland)	35	31.816	87.876	-0.7	ASIA	SAMN03653004	25.147	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WolfTibetan06	Tibet (Tibet, Luobulingka Zoo, Highland)	35	31.065	87.669	-1.5	ASIA	SAMN03652999	27.3937	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf06	Croatia	40	45.616	17.075	11.7	EUROPE	SAMN03366712	8.96274	Plassais et al 2019	TT	0.15	0.85	EUROPE	No SINE	CC	GG	NA	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf21	Italy	40	42.662	13.309	8.2	EUROPE	SAMN02921313	6.68044	Plassais et al 2019	TT				No SINE	CC	GG	NA	NA	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf24	Portugal	40	39.469	-8.163	17.1	EUROPE	SAMN02921316	27.7977	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	21-M-02-15	Scandinavia	40	67.92	21.925	0.00	EUROPE	SAMEA104091069	27.103019	Kardos et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	32-D-05-18	Scandinavia	40	67.129	27.136	0.3	EUROPE	SAMEA104090978	39.210519	Kardos et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	33-M-05-01	Scandinavia	40	69.689	24.093	-0.5	EUROPE	SAMEA104091056	42.446951	Kardos et al 2018	CT				No SINE	CC	AG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	42-M-07-02	Scandinavia	40	67.636	27.24	0.3	EUROPE	SAMEA104091060	37.398663	Kardos et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	63-M-10-10	Scandinavia	40	67.249	16.294	-3.3	EUROPE	SAMEA104091066	40.751571	Kardos et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	7-D-77-01	Scandinavia	40	68.163	24.594	0.1	EUROPE	SAMEA104091004	33.047676	Kardos et al 2018	CT				No SINE	CC	AG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	71-G82-10	Scandinavia	40	67.657	17.559	0.1	EUROPE	SAMEA104091062	17.190834	Kardos et al 2018	CT				No SINE	CC	AG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	79-M-09-03	Scandinavia	40	66.384	23.876	1.5	EUROPE	SAMEA104091003	33.636106	Kardos et al 2018	CT				No SINE	CC	GG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	8-D-79-01	Scandinavia	40	64.431	13.5	1.5	EUROPE	SAMEA104091005	29.226237	Kardos et al 2018	CT				No SINE	CC	GG	CC	CT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	82-G23-13	Scandinavia	40	66.977	16.495	-0.1	EUROPE	SAMEA104091033	12.887465	Kardos et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	83-G31-13	Scandinavia	40	65.711	20.693	2.2	EUROPE	SAMEA104091035	13.173923	Kardos et al 2018	TT				No SINE	CC	GG	NA	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	D-85-01	Scandinavia	40	64.899	25.893	2.9	EUROPE	SAMEA104091007	45.812216	Kardos et al 2018	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf27	Spain	40	40.385	-3.294	13.7	EUROPE	SAMN02921319	27.37	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	AG	AG	AA	TT
Canis lupus	Grey Wolf	Wolf59	Spain	40	38.166	-3.915	15.3	EUROPE	SAMN04851099	38.6133	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	AG	AG	AA	TT
Canis lupus	Grey Wolf	Wolf20	Iran	20.41	33.182	53.212	20.3	MIDEAST	SAMN02921312	29.65	Plassais et al 2019	CT	0.5	0.5	MIDEAST	No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf07	Israel	20.41	31.647	34.929	18.9	MIDEAST	SAMN03366710	7.0194	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	GreyWolf_SaudiArabia	Saudi Arabia	20.41	23.954	44.563	25.1	MIDEAST	SAMN10180428	9.87	Gopalakrishnan et al 2018	CC				No SINE	NA	AA	NA	CC	CC	AG	AA	NA	AG	CT
Canis lupus	Grey Wolf	GreyWolf_Syria	Syria	20.41	NA	NA	NA	MIDEAST	SAMN10180429	11.43	Gopalakrishnan et al 2018	NA				NA	CC	AG	CC	CT	NA	GG	AG	AG	AA	TT
Canis lupus	Grey Wolf	Wolf01	Russia (Altai)	40	50.788	87.659	-1.7	SIBERIA	SAMN01974486	12.4528	Plassais et al 2019	TT	0.00	1.00	SIBERIA	No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf03	Russia (Bryansk)	40	53.589	34.653	5.7	SIBERIA	SAMN01974488	13.5477	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf02	Russia (Chukotka)	40	67.677	175.537	-10.7	SIBERIA	SAMN01974487	9.6649	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WO001_895	-	NA	NA	NA	NA	NOT_INCLUDED	SAMEA104091563	27.1138	Plassais et al 2019	TT	0.083	0.916	UNKNOW	No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WO002_732	-	NA	NA	NA	NA	NOT_INCLUDED	SAMEA104091564	22.166	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	WO003_636	-	NA	NA	NA	NA	NOT_INCLUDED	SAMEA104091565	26.028	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf08	-	NA	NA	NA	NA	NOT_INCLUDED	SAMN03801694	22.284	Plassais et al 2019	CT				No SINE	CC	GG	CC	TT	CT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf41	-	NA	NA	NA	NA	NOT_INCLUDED	SAMN06219538	45.4468	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis lupus	Grey Wolf	Wolf42	-	NA	NA	NA	NA	NOT_INCLUDED	SAMN06219539	42.5143	Plassais et al 2019	TT				No SINE	CC	GG	CC	TT	TT	GG	GG	GG	AA	TT
Canis mesomelas	Black-backed jackal	Black-backedjackal	Eastern Africa (Soysambu)	8.95	0.7808567	35.1028106	19	NOT_INCLUDED	SAMEA5411047	56.00631641	Perri et al, 2020	CC	1.00	0.00	-	No SINE	CC	GG	CC	CC	CC	GG	AG	GG	AA	TT
Canis rufus	Red Wolf	Wolf25	USA	27.5	41.18	-77.849	8.2	REDWOLF	SAMN02921317	28.5001	Plassais et al 2019	CT	0.25	0.75	REDWOLF	No SINE	CC	GG	CC	CT	CT	GG	GG	GG	AA	TT
Canis rufus	Red Wolf	Wolf26	USA	27.5	37.026	-82.55	11.9	REDWOLF	SAMN02921318	7.12487	Plassais et al 2019	TT				No SINE	CC	AG	NA	NA	TT	GG	GG	GG	AA	TT
Canis simensis	Ethiopian Wolf	EthiopianWolf_Ethiopia	Ethiopia	15.5	7.220757	40.937	21.7	ETHIOPWOLF	SAMN10180425	6.463683	Gopalakrishnan et al 2018	CC	1.00	0.00	ETHIOPWOLF	No SINE	CC	GG	CC	NA	CC	GG	GG	GG	AA	TT
Sanger sequenced samples																										
Urocyon cinereoargenteus	Grey fox	11371	USA (Ithaca, NY)	-	42.4396039	-76.4968019	10	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC	1.00	0.00	USA	No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon cinereoargenteus	Grey fox	11404	USA (San Diego, CA)	-	32.7174202	-117.1627728	18.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4111	Santa Catalina	-	33.9657951	-120.0918971	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC	1.00	0.00	USA	No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4112	Santa Catalina	-	33.9657952	-120.0918972	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4113	Santa Catalina	-	33.9657953	-120.0918973	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4114	Santa Catalina	-	33.9657954	-120.0918974	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4115	Santa Catalina	-	33.9657955	-120.0918975	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4116	Santa Catalina	-	33.9657956	-120.0918976	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4117	Santa Catalina	-	33.9657957	-120.0918977	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4118	Santa Catalina	-	33.9657958	-120.0918978	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4119	Santa Catalina	-	33.9657959	-120.0918979	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Urocyon littoralis	Channel Island fox	4120	Santa Catalina	-	33.9657960	-120.0918980	14.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	480	Idaho	-	44.43401705932823	114.60646814706405	2.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT	0.083	0.917	AMERICA	No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	481	Idaho	-	43.78168986570168	113.00869813793065	7.8	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	482	Idaho	-	43.36853667957886	112.22124309440913	8.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	483	Idaho	-	43.38200588636649	113.91460914137491	6.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	485	Idaho	-	42.77127845262218	112.12876431867998	3.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	486	Idaho	-	44.27440026802473	111.88631059953987	5.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	487	Idaho	-	43.55294258237609	114.15256014858815	5.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	488	Idaho	-	45.06911457457434	113.92551955873621	7.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	134	Quebec	-	45.8895877049797	-72.6999014247464	6.8	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	137	Quebec	-	45.8894671632173	-71.3437192286134	5.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	138	Quebec	-	46.0761130078814	-73.5703102764594	6.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	140	Quebec	-	46.7669632522046	-70.6496088669608	4.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	4574	Wyoming	-	43.8366793464528	-108.431691464249	8.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	4575	Wyoming	-	43.6959804882314	-106.200597704476	8.4	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	4576	Wyoming	-	41.8315294337212	-109.617290150844	6.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	4577	Wyoming	-	42.1314837187326	-105.920563658869	5.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	4578	Wyoming	-	44.3660875741337	-108.543912899965	7.8	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	4580	Wyoming	-	44.6577849068705	-106.447207773087	7.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				NA	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	601	China	-	39.56699777533941	101.79193404710709	9.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT	0.61	0.39	ASIA	No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	1291	China	-	36.25036226508703	108.7529408929326	8.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	163	India	-	24.72632014150694	75.64362652666998	26	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	165	India	-	22.70375258957413	81.99646042643558	24.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	172	India	-	21.51428501623079	75.0092715434012	26.8	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	BH123	India(Gangewadi)	-	17.8268641	76.0079726	27.3	NOT_INCLUDED	Sanger sequenced DNA	-	UC Davis	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	BH124	India(Nannaj)	-	17.8370333	75.8507076	27.4	NOT_INCLUDED	Sanger sequenced DNA	-	UC Davis	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	BH126	India(Baramati)	-	18.2198537	74.4534054	25.4	NOT_INCLUDED	Sanger sequenced DNA	-	UC Davis	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	BH6	India(Jodhpur)	-	26.8105777	73.7684549	25.6	NOT_INCLUDED	Sanger sequenced DNA	-	UC Davis	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	236	Belarus	-	53.4250605	27.6971358	6.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT	0.045	0.955	EUROPE	No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	237	Belarus	-	53.4250606	24.5	7.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	239	Belarus	-	53.4250607	26	6.4	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	240	Belarus	-	53.4250608	29	6.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	241	Belarus	-	52.7	27.8	7.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	243	Belarus	-	53.4250610	28.7	6.6	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	936	Belarus	-	53.4250611	31.5	6.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	938	Belarus	-	53.4250612	30.6	6.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	1298	Croatia	-	45.83797979914285	16.792120232810724	11.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	1299	Croatia	-	45.19299522622165	15.336924279901606	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	1300	Croatia	-	45.40055262328777	18.120800307665263	11.4	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				NA	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	161	Israel	-	31.6480565229594	35.227381715861	17	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT	0.31	0.69	MIDEAST	No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	162	Israel	-	30.7038359672221	34.5346215106096	19	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CC				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	168	Israel	-	33.192438620764	35.5666721672634	20.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	169	Israel	-	31.5325952128471	35.0960543670097	15.5	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	602	Israel	-	32.6574247330473	35.2739708524715	20.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	603	Israel	-	32.017627887049	35.0926783426177	18	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	CT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	604	Israel	-	32.3182651734266	35.426904757432	19.4	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis lupus lupus	Grey wolf	242	Turkey	-	39.10328516255712	35.67244201711223	9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University/NIH	TT				No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6819	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6820	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6822	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6823	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6824	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6825	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6826	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6827	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6829	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	6830	California	-	-121	36.7	12.3	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1149	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1814	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1815	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1817	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1818	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1819	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1820	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1821	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1822	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1823	Florida	-	-83.4	28.7	21.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8713	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8714	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8715	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8716	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8717	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8718	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8719	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8720	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8721	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8722	Idaho	-	-115	45.5	8.7	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	7954	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	7955	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8263	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8264	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8265	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8266	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8267	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8268	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8269	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8271	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8272	Nebraska	-	-97.5	41.7	9.9	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	221	New York	-	-74.7	42.2	7.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1539	New York	-	-74.7	42.2	7.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1544	New York	-	-74.7	42.2	7.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1546	New York	-	-74.7	42.2	7.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1557	New York	-	-74.7	42.2	7.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1562	New York	-	-74.7	42.2	7.1	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1637	Pennsylvania	20.7	-75.66309	41.33623	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1638	Pennsylvania	18.8	-75.91404	41.82305	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1650	Pennsylvania	23.1	-75.27784	41.60438	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1688	Pennsylvania	19.7	-76.04363	41.53270	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1710	Pennsylvania	19.5	-76.39580	41.73806	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1714	Pennsylvania	13.2	-80.3	40.7	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1718	Pennsylvania	13.4	-80.15790	39.91594	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1733	Pennsylvania	18.7	-76.65029	41.00986	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1738	Pennsylvania	12.3	-79.11613	41.86301	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1741	Pennsylvania	18.6	-80.02502	41.56948	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1744	Pennsylvania	12.8	-77.16914	41.75398	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1753	Pennsylvania	11.4	-79.14978	40.01155	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1757	Pennsylvania	13.8	-79.14978	40.01155	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1764	Pennsylvania	19.5	-80.08934	42.06500	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1765	Pennsylvania	13.5	-76.42721	41.01491	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1770	Pennsylvania	13.7	-77.08294	41.26601	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1776	Pennsylvania	13.4	-80.08934	42.06500	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1785	Pennsylvania	13.1	-79.11613	41.86301	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1793	Pennsylvania	11.9	-80.08934	42.06500	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	1794	Pennsylvania	19.9	-79.11613	41.86301	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8192	Pennsylvania	18.4	-79.11613	41.86301	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8194	Pennsylvania	18.2	-79.53081	41.12179	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	CC	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8197	Pennsylvania	18.9	-78.66053	40.44912	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8214	Pennsylvania	19.6	-78.73448	41.37328	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8219	Pennsylvania	19.6	-79.53081	41.12179	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8223	Pennsylvania	19.7	-79.0120	41.24322	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8243	Pennsylvania	20.5	-80.02502	41.56948	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	8252	Pennsylvania	19.5	-80.29813	40.67364	11.2	NOT_INCLUDED	Sanger sequenced DNA	-	Princeton University	TT	-	-	-	No SINE	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	81976	Washington	6.9	-123	47.5	10.9	NOT_INCLUDED	Only used for maps on figure 4	-	University of Washington Burke Museum (UWBM)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	82963	Washington	8.6	-123	47.5	10.9	NOT_INCLUDED	Only used for maps on figure 4	-	University of Washington Burke Museum (UWBM)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	229868	California	11	-121	36.7	12.3	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Vertebrate Zoology (MVZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	228975	California	7.3	-121	36.7	12.3	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Vertebrate Zoology (MVZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	230266	California	8	-121	36.7	12.3	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Vertebrate Zoology (MVZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	30144	California	13	-121	36.7	12.3	NOT_INCLUDED	Only used for maps on figure 4	-	California Academy of Science (CAS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	228904	California	9.3	-121	36.7	12.3	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Vertebrate Zoology (MVZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	85735	California	12.6	-121	36.7	12.3	NOT_INCLUDED	Only used for maps on figure 4	-	California Academy of Science (CAS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	323907	New-Mexico	6.5	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	329393	New-Mexico	11.9	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	323909	New-Mexico	8.3	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	326171	New-Mexico	10.1	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	324048	New-Mexico	8.2	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	323218	New-Mexico	8.5	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	326172	New-Mexico	10.5	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	326203	New-Mexico	10.3	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	323172	New-Mexico	8	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	324049	New-Mexico	11	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	326162	New-Mexico	9.1	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	323169	New-Mexico	12.1	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	199691	New-Mexico	6.6	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	324054	New-Mexico	9.2	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	142626	New-Mexico	5.9	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	294388	New-Mexico	7.2	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	326184	New-Mexico	10.3	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	92553	New-Mexico	13.5	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	269006	New-Mexico	8	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	231470	New-Mexico	12.5	-106	34.6	12.8	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	16466	Colorado	7.2	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	13646	Colorado	6.6	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	15103	Colorado	10.7	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	16465	Colorado	9.2	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	14271	Colorado	12.1	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	16450	Colorado	4.5	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	15380	Colorado	7.6	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	16467	Colorado	10.3	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	17591	Colorado	10.7	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	13831	Colorado	6.4	-105	38.6	6.5	NOT_INCLUDED	Only used for maps on figure 4	-	Denver Museum of Nature & Science (DMNS)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	127530	Utah	8.5	-111	38.7	11	NOT_INCLUDED	Only used for maps on figure 4	-	The Museum of Southwestern Biology (MSB)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	64987	Oklahoma	12.2	-97.54928	35.474	16	NOT_INCLUDED	Only used for maps on figure 4	-	Sam Noble Oklahoma Museum of Natural History (OMNH)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	36249	Oklahoma	15.6	-97.54928	35.474	16	NOT_INCLUDED	Only used for maps on figure 4	-	Sam Noble Oklahoma Museum of Natural History (OMNH)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	50001	Oklahoma	7.9	-97.54928	35.474	16	NOT_INCLUDED	Only used for maps on figure 4	-	Sam Noble Oklahoma Museum of Natural History (OMNH)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	61897	Massachusetts	14.5	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	63343	Massachusetts	8.6	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	62195	Massachusetts	14	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	67813	Massachusetts	12.5	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	61415	Massachusetts	10	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	67814	Massachusetts	21	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	63378	Massachusetts	21	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	63144	Massachusetts	14.5	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-
Canis latrans	Coyote	63683	Massachusetts	13.2	-70.8	41.9	10	NOT_INCLUDED	Only used for maps on figure 4	-	Museum of Comparative Zoology (MCZ)	NA	-	-	-	NA	-	-	-	-	-	-	-	-	-	-

Table S2. List of wild canids and their associated genotype for the *IGF1-AS* variant. Related to Figures 2 and 4.

* For WGS data, we used estimated mean body mass obtained from Padilla LR & Hilton CD, 2015; Lopez BH, 1978; Estes RD et al, 2012; Wildlife Institute of India, 2018 ; NA: Not detected

												Additional information for the three new samples								
Individual ID	Species	Age	Location	Reference	Coverage	Lat	Long	*IGF1-AS* variant	BMe (kg)	Name on the map (Fig. 2A)	Dating Lab	NRCF Grant Code	OXA_ID	Extract_No	Uncal RC Age	Error +/-	From Cal BP (Int Cal13)	To Cal BP	Percentage
C32	Dog	100	Bulgunnyakhtakh lake, Russia	Bergstrom et al, *Science* 2020	7.20	61.2	128.4	CT	-	Bulgunnyakhtakh L. 0.1k									
F3781	Dog	100	East Siberian Sea coast, Russia	Bergstrom et al, *Science* 2020	0.80	69.6	164.3	TT	-	East Siberian Sea 0.1k									
UZAA01	Dog	875	Uza, Israel	Bergstrom et al, *Science* 2020	5.80	31.6	34.8	CC	-	Uza 0.8-1.6k (x2)									
AL3223	Dog	1000	Weyanoke Old Town, Virginia, USA	Leathlobhair et al, *Science* 2018	0.40	NA	NA	-	-	-									
AL2022	Dog	1565	Marmara region, Turkey	Bergstrom et al, *Science* 2020	2.60	41.0	28.9	CT	-	Turkey 1.5k									
UZAA02	Dog	1600	Uza, Israel	Bergstrom et al, *Science* 2020	5.50	31.6	34.8	TT	-	Uza 0.8-1.6k (x2)									
ASHQ01	Dog	2300	Ashkelon, Israel	Bergstrom et al, *Science* 2020	2.40	31.7	34.6	CC	~14.6	Ashkelon 2.3k (x3)									
ASHQ06	Dog	2300	Ashkelon, Israel	Bergstrom et al, *Science* 2020	1.80	31.7	34.6	CC	~14.6	Ashkelon 2.3k (x3)									
ASHQ08	Dog	2300	Ashkelon, Israel	Bergstrom et al, *Science* 2020	2.20	31.7	34.6	CC	~14.6	Ashkelon 2.3k (x3)									
TGEZ06	Dog	2300	Tel Gezer, Israel	Bergstrom et al, *Science* 2020	0.90	31.9	34.9	CC	-	Tel Gezer 2.3k									
C62	Dog	3100	Apalle, Sweden	Bergstrom et al, *Science* 2020	0.70	59.7	17.6	CC	-	Sweden 3.1k									
C5	Dog	3800	Krasnosamarskoe, Russia	Bergstrom et al, *Science* 2020	0.60	52.8	51.1	-	-	-									
AL2397	Dog	4000	Belverde di Cetona, Italy	Bergstrom et al, *Science* 2020	1.50	43.0	11.9	TT	-	Italy 4k									
AL3194	Dog	4000	Port au Choix, Canada	Leathlobhair et al, *Science* 2018	1.92	50.703	-57.352	TT	-	Port au Choix 4k									
C94	Dog	4000	Stora Förvar, Gotland, Sweden	Bergstrom et al, *Science* 2020	0.20	57.3	18.0	-	-	-									
ALPO01	Dog	4500	Alymas-Podunavlje, Croatia	Bergstrom et al, *Science* 2020	1.60	45.5	19.0	CC	-	Croatia 4.5-4.9k (x2)									
C89	Dog	4800	Ajvide, Gotland, Sweden	Bergstrom et al, *Science* 2020	2.20	57.2	18.1	TT	-	Sweden 4.8k (x2)									
C90	Dog	4800	Ajvide, Gotland, Sweden	Bergstrom et al, *Science* 2020	0.60	57.2	18.1	TT	-	Sweden 4.8k (x2)									
CTC	Dog	4800	Cherry Tree Cave, Germany	Botigue et al, *Nat. Commun.* 2017	9.00	49.8	10.8	CC	-	Germany 4.8k									
NGDG	Dog	4800	Newgrange, Ireland	Frantz et al, *Science* 2016	30	53.694	-6.475	TT	-	Ireland 4.8k									
SOTN01	Dog	4900	Sotin, Croatia	Bergstrom et al, *Science* 2020	11.20	45.3	19.1	CC	-	Croatia 4.5-4.9k (x2)									
C88	Dog	5000	Frälsegården, Gökhem, Sweden	Bergstrom et al, *Science* 2020	0.70	58.1	13.2	TT	-	Sweden 5k									
AL2350	Wolf	5169	Botai, Kazakhstan	Unpublished	1.43	53.2	67.9	TT	-	Botai 5.1k	Oxford RLAHA	NF/2016/2/4	OxA-36898	AL2350	4492	29	5296	5041	95.4
AL2571	Dog	5826	Tepe Ghela Gap, Iran	Bergstrom et al, *Science* 2020	1.10	36.5	47.1	CC	-	Iran 5.8k									
OL4029	Dog	6230	Marizulo Cave, Gipuzkoa, Spain	Bergstrom et al, *Science* 2020	0.10	43.3	-2.1	-	-	-									
AL3185	Wolf	6307	Pietrele, Romania	Unpublished	4.21	43.9	24.9	CT	-	Pietrele 6.3k	Oxford RLAHA	NF/2016/2/4	OxA-36897	AL3185	5657	33	6505	6390	88
OL4222	Dog	6544	Skoteini cave, Tharrounia, Euboea Island, Greece	Bergstrom et al, *Science* 2020	4.50	38.5	24.0	CC	-	Greece 6.5k									
AL2946	Dog	6839	Pločnik, Serbia	Bergstrom et al, *Science* 2020	0.20	43.2	21.4	CC	-	Serbia 6.7k									
OL4223	Dog	6900	Pad' Kalashnikova, Russia	Bergstrom et al, *Science* 2020	2.20	52.7	103.7	-	-	-									
C26	Dog	7000	Pad' Kalashnikova, Russia	Bergstrom et al, *Science* 2020	0.20	53.1	103.4	-	-	-									
HXH	Dog	7000	Herxheim, Germany	Botigue et al, *Nat. Commun.* 2017	9.00	49.1	8.1	CT	-	Germany 7k									
THRZ02	Dog	7000	Tel Hreiz, Israel	Bergstrom et al, *Science* 2020	0.10	32.7	35.1	CC	-	Israel 7k									
C27	Dog	7400	Shamanka II, Russia	Bergstrom et al, *Science* 2020	0.30	51.7	103.7	-	-	-									
CGG6	Dog	9500	Zhokhov Island, Russia	Sinding et al, *Science* 2020	9.6	76.141	152.733	CT	24.8	Zhokhov Island 9.5k									
OL4061	Dog	10930	Veretye, Lake Lacha, Russia	Bergstrom et al, *Science* 2020	1.80	61.3	38.9	TT	-	Karelia 10.9k									
Tumat2	Wolf	14122	Tumat, Russia	Ramos-Madrigal et al, *Curr. Biol.* 2020	5.162	70.72	139.23	TT	-	Tumat 14.1k									
CGG33	Wolf	16900	Ulakhan Sular, Russia	Ramos-Madrigal et al, *Curr. Biol.* 2020	15.279	56.71	131.85	CT	21.8	Ulakhan Sular 16.8k									
AL2657	Wolf	16500	Eliseevichi, W Russia	Unpublished	0.93	53.1	33.6	TT	39.6	Eliseevichi 17.6k	Oxford RLAHA	NF/2016/2/4	OxA-35646	AL2657	14445	65	17860	17405	95.4
CGG23	Wolf	33020	Yana site	Sinding et al, *Science* 2020	4.45	70.7	135.4	TT	-	Yana site 33k									
Taimyr-1	Wolf	34902	Taimyr Peninsula, C Siberia	Skoglund et al, *Curr. Biol.* 2015	2.42	73.3	104.3	TT	-	Taimyr Peninsula 35k									
CGG29	Wolf	48210	Bunge-Toll-1885 site, Yana river	Ramos-Madrigal et al, *Curr. Biol.* 2020	6.29	68.9	134.5	TT	-	Bunge-Toll-1885 site 48.2k									
CGG32	Wolf	52500	Tirekhtyakh	Ramos-Madrigal et al, *Curr. Biol.* 2020	15.10	68.9	147.2	CT	38.1	Tirektyakh 52.5k									

Table S3. Ancient genomes dataset and their *IGF1-AS* genotype. Related to Figure 2.