Supporting Information

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SI Methods

Frequency of the A Haplogroup at the Time of the Domestication. Assuming a neutral model of evolution, we computed the minimum frequency of the A haplogroup at the time domestication that is compatible with its current frequency. More precisely, we computed the probability of observing more individuals from the A haplogroup than the number of individuals actually sampled (2,208). This probability was computed for different values of the frequency x of A haplotypes at the time of the domestication. The smallest x value such that the probability was larger than 0.01 was considered to be the smallest number of haplotypes captured that is compatible with the observed number of A haplotypes sampled.

For a given value k of the number of individuals from the A haplogroup at the time of domestication and a given value m of the number of ancestral haplotypes, the proportion of the number of individuals from the A haplogroup at the present time can be approximated by a Beta distribution with parameters k and $m-k$. Therefore, the present number of individuals from the A haplogroup follows a Beta Binomial distribution (1) with parameters k, $m-k$ and n ($n = 2{,}427$; the present number of individuals analyzed). The ancestral number of individuals from the A haplogroup k is unknown and has a binomial distribution with parameters m and x. As a consequence, the probability of getting more than 2,208 individuals from the A haplogroup today was given by the survival function of the Beta Binomial distribution integrated over the possible values for the number of ancestral A haplotypes. To infer the number m of ancestral lineages, we turned the phylogeny into an ultrametric tree using the software PATHD8 (2). Assuming 200 to 300 thousand years as the divergence time between A and C haplogroups (3), we found that the number of ancestral lineages, at the time of domestication, ranges from 1,308 to 1,900.

Discussion

Introgression from the Domestics to the Wilds and Feralization in Southeastern Iran. Present day samples analysis could be complicated if there were Neolithic feralization or mitochondrial DNA introgression from domestic to wild populations. It is therefore important to identify such events in our dataset. Currently, individuals from the A haplogroups represent 90.86% of domestic goats (4). This proportion cannot have changed dramatically since their domestication, and thus the A haplogroups were always the most numerous during goat history (see above, *Frequency of the A haplogroup at the time of the domestication*, and Fig. S1). As a consequence, potential feralizations and introgressions from the domestic to the wild should have affected the A haplogroup. Furthermore, the introgressed haplotypes should be expected to appear in many clades of the phylogenetic tree of the A haplogroup, as would the A haplotypes of a present domestic goat population. A wild population without introgression, on the other hand, should only show a very limited number of clustered haplotypes.

As the A haplogroup is absent in bezoars from the Iranian Plateau and from the Zagros, we can deduce that no mtDNA introgression from the domestics to the wilds occurred in these areas. The situation is very different in Lar Mountains (Sistan Province, Southeast Iran, locality 33 in Fig. 3*B*). There, the bezoar haplotypes of the A haplogroups are distributed among many clades of the phylogeny of the A haplogroup (Fig. S2). This is a strong indication of early feralizations or that the bezoars from this region have been heavily introgressed by domestic goats. As a consequence, the Lar Mountains cannot be considered as a possible origin of the A haplogroup in goats. This introgression is also supported by a phylogeographic argument. The phylogenetic tree of the bezoar (see Fig. 1) is composed of three main groups: (*i*) haplogroups not-close-to-domestics and F, (*ii*) haplogroup C, and (*iii*) haplogroups A, B, D, and G. Individuals from haplogroups A, B, D, and G are clustered together in the phylogenetic tree, and thus are likely close in geographic origin. Clearly, the only individuals of the A haplogroup that are not consistent with their position in the phylogeny are in localities 33, 38, and 39. These introgressions occurred after the effective domestication and thus concerned the most frequent A haplogroup in domestic goats. This pattern may be a vestige of the original movement of goats into South Asia detected in the Mehrgahr faunal remains (20–22).

Mitochondrial DNA Versus Nuclear DNA for Assessing the Domestication Process. In this study we focused only on mitochondrial DNA for two reasons. First, we did not invest in analyzing autosomal markers for localizing the domestication centers because the genetic structure is usually stronger with mtDNA than with autosomal markers. In a situation where the phylogeographic structure is already weak with mtDNA, it is unlikely that the analysis of autosomal markers will exhibit a clear pattern that might improve our interpretation of goat domestication. Additionally, the level of polymorphism of the Y-chromosome is low in *C. hircus* and *C. aegagrus* (only four haplotypes found by sequencing the amelogenin and the *ZFY* genes; see ref. 5). As a consequence, it seems also unlikely that an extensive analysis of the Y-chromosome would give a clear pattern. Second, very few data on nuclear DNA are available in domestic goats, and the production of nuclear sequences in the wild ancestor would not allow the comparison between the domestic and the wild forms.

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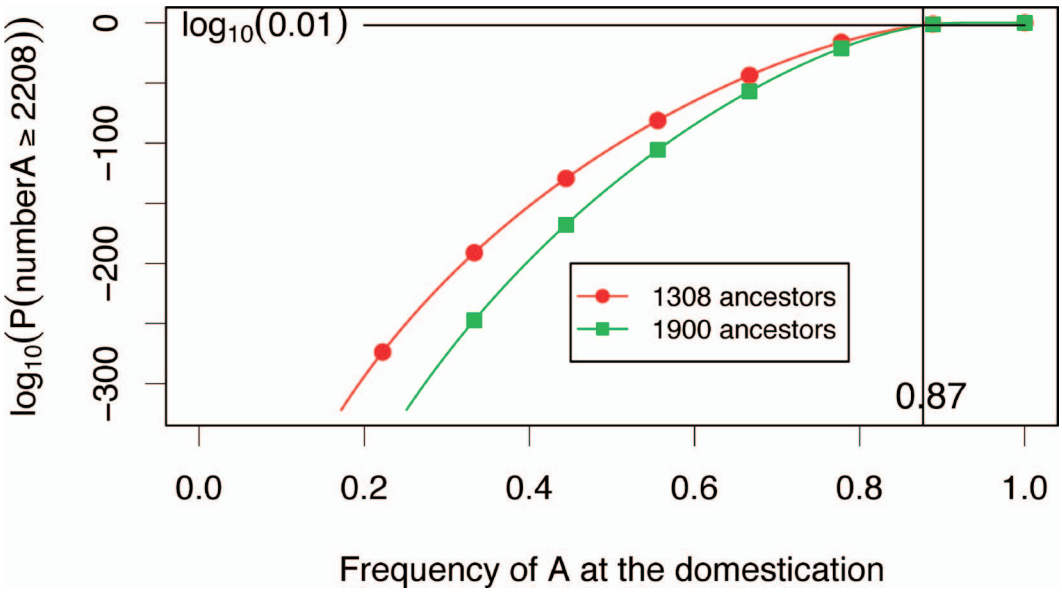

Fig. S1. Probability of observing more than the present number of individuals from the A haplogroup as a function of the frequency of the individuals from the A haplogroup at the time of the domestication. The number of ancestral *m*, at the time of domestication, was set to 1,308 and 1,900 (see *SI Text*). It is highly unlikely that the frequency of individuals from the A haplogroup at the time of domestication was below 0.87.

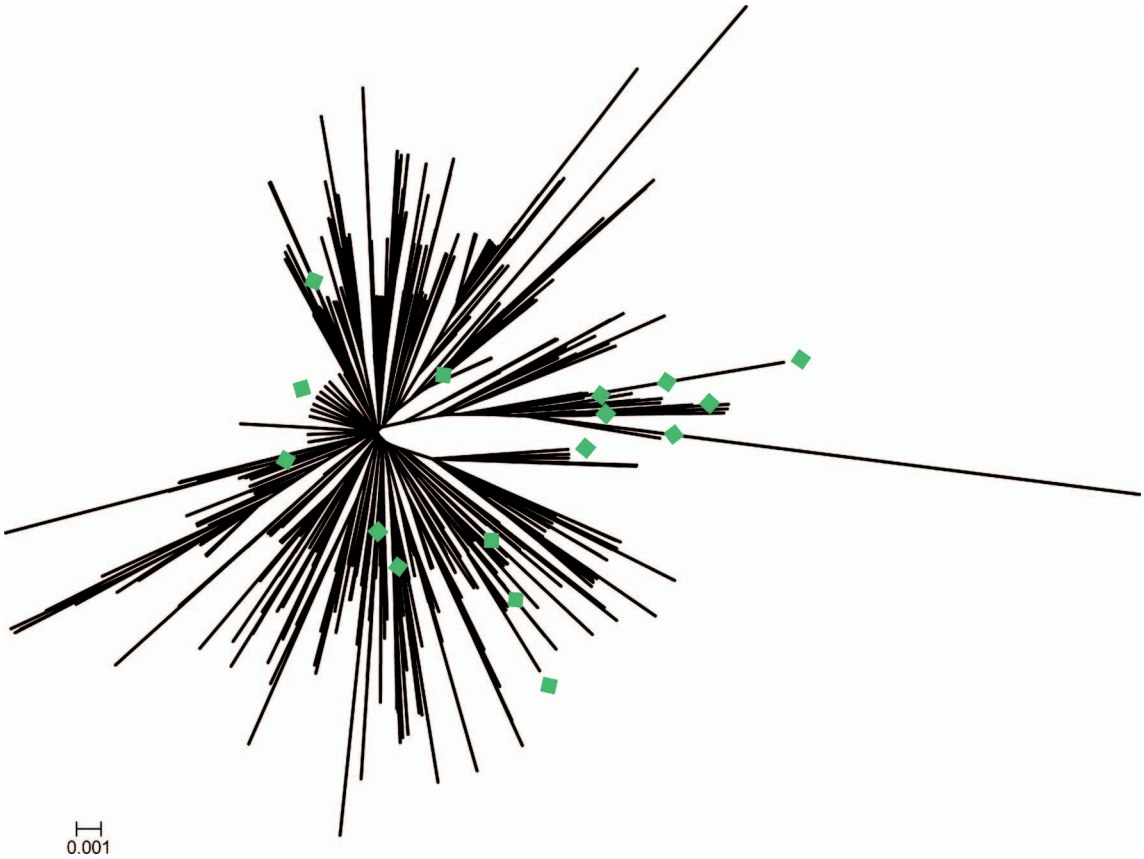

Fig. S2. Placement of the bezoars of the A haplogroup from the Lar Mountains (Southeast Iran, locality 33 in Fig. 3*B*) within the phylogeny of the A haplogroup of domestic goats. The presence of bezoar haplotypes (*green*) in many different clades of the phylogeny indicates a likely introgression from the domestics to the wilds.

Table S1. Geographic origin and characteristics of the wild goat samples used for the mtDNA sequence analysis

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
1	Ca001	1	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989163
2	Ca002	2	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989164
3	Ca003	17	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989165
4	Ca004	3	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989166
5	Ca005	4	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989167
6	Ca006	5	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989168
7	Ca007	6	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989169
8	Ca008	7	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989170
9	Ca009	8	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989171
10	Ca010	9	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989172
11	Ca011	10	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989173
12	Ca012	11	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989174
13	Ca013	12	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989175
14	Ca014	11	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989176
15	Ca015	13	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989177
16	Ca016	14	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Tissue	S. Naderi	EF989178
17	Ca017	15	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Tissue	S. Naderi	EF989179
18	Ca018	16	A	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Feces	S. Naderi	EF989180
19	Ca019	17	A	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989181
20	Ca020	18	A	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Tissue	S. Naderi	EF989182
21	Ca021	19	A	*C. aegagrus*	Turkey	Artvin (9)	41.49	41.11	Tissue	A. Kence	EF989183
22	Ca022	15	A	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989184
23	Ca023	15	A	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989185
24	Ca024	15	A	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989186
25	Ca025	20	A	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Bone	A. Kence	EF989187
26	Ca026	21	A	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Bone	A. Kence	EF989188
27	Ca027	22	A	*C. aegagrus*	Turkey	Gaziantep (7)	37.72	38.45	Liver	A. Kence	EF989189
28	Ca028	23	A	*C. aegagrus*	Turkey	Sumbul (11)	43.78	37.53	Tissue	A. Kence	EF989190
29	Ca029	24	A	*C. aegagrus*	Turkey	Gaziantep (7)	37.72	38.45	Tissue	A. Kence	EF989191
30	Ca030	25	B	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. Rezaei	EF989192
31	Ca031	26	B	*C. aegagrus*	Iran	Ghorveh (18)	47.82	35.06	Feces	H.-R. Rezaei	EF989193
32	Ca032	27	B	*C. aegagrus*	Iran	Ghorveh (18)	47.82	35.06	Feces	H.-R. HR. Rezaei	EF989194
33	Ca033	26	B	*C. aegagrus*	Iran	Ghorveh (18)	47.82	35.06	Feces	H.-R. HR. Rezaei	EF989195
34	Ca034	28	B	*C. aegagrus*	Iran	Ghorveh (18)	47.82	35.06	Feces	H.-R. HR. Rezaei	EF989196
35	Ca035	29	B	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989197
36	Ca036	30	B	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989198
37	Ca037	31	B	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989199
38	Ca038	32	B	*C. aegagrus*	Turkey	Van (10)	43.22	38.29	Tissue	A. Kence	EF989200
39	Ca039	33	B	*C. aegagrus*	Turkey	Antalya (2)	30.95	36.9	Feces	A. Kence	EF989201
40	Ca040	34	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989202
41	Ca041	34	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989203
42	Ca042	34	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989204
43	Ca043	34	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989205
44	Ca044	34	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989206
45	Ca045	34	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989207
46	Ca046	35	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989208
47	Ca047	36	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989209
48	Ca048	36	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989210
49	Ca049	36	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989211
50	Ca050	36	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989212
51	Ca051	55	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989213
52	Ca052	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Tissue	S. Naderi	EF989214
53	Ca053	37	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989215
54	Ca054	37	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989216
55	Ca055	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989217
56	Ca056	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989218
57	Ca057	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989219
58	Ca058	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989220
59	Ca059	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989221
60	Ca060	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989222
61	Ca061	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989223
62	Ca062	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989224
63	Ca063	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989225

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
64	Ca064	37	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989226
65	Ca065	38	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989227
66	Ca066	39	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989228
67	Ca067	40	C	*C. aegagrus*	Iran	Bavanat (25)	53.91	30.31	Feces	S. Naderi	EF989229
68	Ca068	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989230
69	Ca069	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989231
70	Ca070	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989232
71	Ca071	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989233
72	Ca072	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989234
73	Ca073	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989235
74	Ca074	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989236
75	Ca075	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989237
76	Ca076	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989238
77	Ca077	42	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989239
78	Ca078	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989240
79	Ca079	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989241
80	Ca080	41	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Tissue	S. Naderi	EF989242
81	Ca081	43	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989243
82	Ca082	44	C	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Feces	HR. Rezaei	EF989244
83	Ca083	45	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989245
84	Ca084	45	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989246
85	Ca085	45	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989247
86	Ca086	45	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989248
87	Ca087	45	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989249
88	Ca088	46	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989250
89	Ca089	46	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989251
90	Ca090	46	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989252
91	Ca091	46	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989253
92	Ca092	47	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989254
93	Ca093	48	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989255
94	Ca094	48	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989256
95	Ca095	48	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989257
96	Ca096	49	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989258
97	Ca097	50	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989259
98	Ca098	51	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989260
99	Ca099	52	C	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989261
100	Ca100	66	C	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989262
101	Ca101	67	C	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Tissue	S. Naderi	EF989263
102	Ca102	53	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989264
103	Ca103	53	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989265
104	Ca104	53	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989266
105	Ca105	53	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989267
106	Ca106	53	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989268
107	Ca107	53	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989269
108	Ca108	54	C	*C. aegagrus*	Iran	Lar, Sistan (33)	60.88	29.68	Tissue	S. Naderi	EF989270
109	Ca109	55	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989271
110	Ca110	54	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989272
111	Ca111	54	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Tissue	S. Naderi	EF989273
112	Ca112	56	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989274
113	Ca113	57	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989275
114	Ca114	57	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989276
115	Ca115	54	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989277
116	Ca116	57	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989278
117	Ca117	57	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989279
118	Ca118	57	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989280
119	Ca119	57	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989281
120	Ca120	58	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989282
121	Ca121	59	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989283
122	Ca122	59	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989284
123	Ca123	59	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989285
124	Ca124	60	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989286
125	Ca125	41	C	*C. aegagrus*	Iran	Ghorveh (18)	47.82	35.06	Feces	H.-R. HR. Rezaei	EF989287
126	Ca126	61	C	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989288
127	Ca127	62	C	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989289

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
128	Ca128	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989290
129	Ca129	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989291
130	Ca130	63	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989292
131	Ca131	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989293
132	Ca132	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989294
133	Ca133	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989295
134	Ca134	65	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989296
135	Ca135	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989297
136	Ca136	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989298
137	Ca137	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989299
138	Ca138	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989300
139	Ca139	64	C	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989301
140	Ca140	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989302
141	Ca141	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989303
142	Ca142	57	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989304
143	Ca143	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989305
144	Ca144	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989306
145	Ca145	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989307
146	Ca146	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989308
147	Ca147	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989309
148	Ca148	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989310
149	Ca149	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989311
150	Ca150	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989312
151	Ca151	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989313
152	Ca152	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989314
153	Ca153	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989315
154	Ca154	66	C	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989316
155	Ca155	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989317
156	Ca156	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989318
157	Ca157	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989319
158	Ca158	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989320
159	Ca159	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989321
160	Ca160	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989322
161	Ca161	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989323
162	Ca162	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989324
163	Ca163	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989325
164	Ca164	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989326
165	Ca165	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989327
166	Ca166	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989328
167	Ca167	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989329
168	Ca168	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989330
169	Ca169	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989331
170	Ca170	64	C	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989332
171	Ca171	64	C	*C. aegagrus*	Iran	Khojir (21)	51.72	35.63	Feces	S. Naderi	EF989333
172	Ca172	67	C	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Tissue	S. Naderi	EF989334
173	Ca173	55	C	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989335
174	Ca174	68	C	*C. aegagrus*	Iran	Mahneshan (17)	47.67	36.66	Feces	H.-R. HR. Rezaei	EF989336
175	Ca175	69	C	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989337
176	Ca176	70	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989338
177	Ca177	71	C	*C. aegagrus*	Turkey	Gaziantep (7)	37.72	38.45	Tissue	A. Kence	EF989339
178	Ca178	72	C	*C. aegagrus*	Turkey	Van (10)	43.22	38.29	Tissue	A. Kence	EF989340
179	Ca179	54	C	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989341
180	Ca180	73	C	*C. aegagrus*	Turkey	Artvin (9)	41.49	41.11	Tissue	A. Kence	EF989342
181	Ca181	74	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989343
182	Ca182	75	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989344
183	Ca183	76	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989345
184	Ca184	77	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989346
185	Ca185	78	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989347
186	Ca186	79	C	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989348
187	Ca187	80	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989349
188	Ca188	81	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989350
189	Ca189	44	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989351
190	Ca190	44	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989352
191	Ca191	82	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989353

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
192	Ca192	44	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989354
193	Ca193	44	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989355
194	Ca194	81	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989356
195	Ca195	82	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989357
196	Ca196	44	C	*C. aegagrus chiltanensis*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989358
197	Ca197	81	C	*C. aegagrus*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989359
198	Ca198	83	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989360
199	Ca199	84	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989361
200	Ca200	84	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989362
201	Ca201	84	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989363
202	Ca202	84	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989364
203	Ca203	84	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989365
204	Ca204	84	D	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989366
205	Ca205	85	D	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989367
206	Ca206	86	D	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989368
207	Ca207	87	D	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989369
208	Ca208	87	D	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989370
209	Ca209	87	D	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989371
210	Ca210	87	D	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989372
211	Ca211	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989373
212	Ca212	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989374
213	Ca213	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989375
214	Ca214	89	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989376
215	Ca215	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989377
216	Ca216	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989378
217	Ca217	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989379
218	Ca218	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989380
219	Ca219	90	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989381
220	Ca220	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989382
221	Ca221	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989383
222	Ca222	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989384
223	Ca223	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989385
224	Ca224	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989386
225	Ca225	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989387
226	Ca226	91	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989388
227	Ca227	88	D	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989389
228	Ca228	88	D	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989390
229	Ca229	97	G	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989391
230	Ca230	92	G	*C. aegagrus*	Iran	Zalzard (13)	45.63	34.06	Feces	H.-R. HR. Rezaei	EF989392
231	Ca231	93	G	*C. aegagrus*	Iran	Zalzard (13)	45.63	34.06	Feces	H.-R. HR. Rezaei	EF989393
232	Ca232	94	G	*C. aegagrus*	Iran	Zalzard (13)	45.63	34.06	Feces	H.-R. HR. Rezaei	EF989394
233	Ca233	92	G	*C. aegagrus*	Iran	Zalzard (13)	45.63	34.06	Feces	H.-R. HR. Rezaei	EF989395
234	Ca234	95	G	*C. aegagrus*	Iran	Zalzard (13)	45.63	34.06	Feces	H.-R. HR. Rezaei	EF989396
235	Ca235	96	G	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989397
236	Ca236	97	G	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989398
237	Ca237	97	G	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989399
238	Ca238	98	G	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989400
239	Ca239	88	C	*C. aegagrus*	Iran	Dena (24)	51.32	31.06	Feces	S. Naderi	EF989401
240	Ca240	99	C	*C. aegagrus*	Iran	Bamoo (26)	52.68	29.69	Feces	S. Naderi	EF989402
241	Ca241	100	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989403
242	Ca242	101	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Feces	S. Naderi	EF989404
243	Ca243	102	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989405
244	Ca244	48	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989406
245	Ca245	103	C	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989407
246	Ca246	104	C	*C. aegagrus*	Iran	Shoorab (32)	61.46	30.13	Feces	S. Naderi	EF989408
247	Ca247	105	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989409
248	Ca248	106	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989410
249	Ca249	106	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989411
250	Ca250	106	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989412
251	Ca251	107	C	*C. aegagrus*	Iran	Kalmand (28)	54.79	31.28	Tissue	S. Naderi	EF989413
252	Ca252	108	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989414
253	Ca253	109	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989415
254	Ca254	109	C	*C. aegagrus*	Iran	Khabr (31)	56.48	28.84	Feces	S. Naderi	EF989416
255	Ca255	110	C	*C. aegagrus*	Iran	Godghool (27)	55.14	29.45	Feces	S. Naderi	EF989417

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
256	Ca256	111	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989418
257	Ca257	111	C	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989419
258	Ca258	112	C	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989420
259	Ca259	113	C	*C. aegagrus*	Iran	Mehran (14)	46.12	33.31	Feces	H.-R. HR. Rezaei	EF989421
260	Ca260	114	C	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Feces	H.-R. HR. Rezaei	EF989422
261	Ca261	115	C	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989423
262	Ca262	116	Wild	*C. aegagrus*	Iran	Mehran (14)	46.12	33.31	Tissue	H.-R. HR. Rezaei	EF989424
263	Ca263	117	D	*C. aegagrus*	Iran	Kolahghazi (23)	51.81	32.42	Feces	S. Naderi	EF989425
264	Ca264	118	D	*C. aegagrus*	Iran	Shoorab (32)	61.46	30.13	Feces	S. Naderi	EF989426
265	Ca265	119	D	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989427
266	Ca266	120	D	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	H.-R. HR. Rezaei	EF989428
267	Ca267	121	D	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Feces	H.-R. HR. Rezaei	EF989429
268	Ca268	122	D	*C. aegagrus*	Iran	Mahneshan (17)	47.67	36.66	Feces	H.-R. HR. Rezaei	EF989430
269	Ca269	123	D	*C. aegagrus*	Iran	Mahneshan (17)	47.67	36.66	Feces	H.-R. HR. Rezaei	EF989431
270	Ca270	124	D	*C. aegagrus*	Iran	Bafgh (30)	56.76	31.56	Feces	S. Naderi	EF989432
271	Ca271	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989433
272	Ca272	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989434
273	Ca273	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989435
274	Ca274	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989436
275	Ca275	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989437
276	Ca276	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989438
277	Ca277	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989439
278	Ca278	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989440
279	Ca279	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989441
280	Ca280	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989442
281	Ca281	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989443
282	Ca282	125	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989444
283	Ca283	126	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989445
284	Ca284	126	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989446
285	Ca285	126	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989447
286	Ca286	127	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989448
287	Ca287	128	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989449
288	Ca288	128	D	*C. aegagrus*	Iran	Kavir (22)	52.19	34.71	Feces	S. Naderi	EF989450
289	Ca289	129	C	*C. aegagrus*	Turkey	Artvin (9)	41.49	41.11	Tissue	A. Kence	EF989451
290	Ca290	130	Wild	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Bone	A. Kence	EF989452
291	Ca291	131	C	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989453
292	Ca292	132	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989454
293	Ca293	132	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989455
294	Ca294	133	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989456
295	Ca295	134	F	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989457
296	Ca296	134	F	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989458
297	Ca297	134	F	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989459
298	Ca298	134	F	*C. aegagrus*	Turkey	Erzincan (6)	39.31	39.42	Tissue	A. Kence	EF989460
299	Ca299	134	F	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989461
300	Ca300	135	F	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Feces	A. Kence	EF989462
301	Ca301	135	F	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989463
302	Ca302	135	F	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989464
303	Ca303	135	F	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Feces	A. Kence	EF989465
304	Ca304	136	F	*C. aegagrus*	Azerbaijan	Nakhitchevan (15)	45.26	39.25	Feces	P. Weinberg	EF989466
305	Ca305	137	F	*C. aegagrus*	Turkey	Van (10)	43.22	38.29	Tissue	A. Kence	EF989467
306	Ca306	138	F	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989468
307	Ca307	139	F	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989469
308	Ca308	140	F	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989470
309	Ca309	141	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989471
310	Ca310	142	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989472
311	Ca311	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989473
312	Ca312	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989474
313	Ca313	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989475
314	Ca314	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989476
315	Ca315	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989477
316	Ca316	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989478
317	Ca317	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989479
318	Ca318	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989480
319	Ca319	143	Wild	*C. aegagrus*	Turkey	Finike (1)	30.8	36.17	Feces	A. Kence	EF989481

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
320	Ca320	144	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989482
321	Ca321	145	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989483
322	Ca322	145	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989484
323	Ca323	146	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Feces	A. Kence	EF989485
324	Ca324	147	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Feces	A. Kence	EF989486
325	Ca325	147	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989487
326	Ca326	147	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989488
327	Ca327	148	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989489
328	Ca328	149	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989490
329	Ca329	147	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Feces	A. Kence	EF989491
330	Ca330	150	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989492
331	Ca331	151	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989493
332	Ca332	151	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Tissue	A. Kence	EF989494
333	Ca333	152	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989495
334	Ca334	153	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Tissue	A. Kence	EF989496
335	Ca335	154	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989497
336	Ca336	155	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989498
337	Ca337	156	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989499
338	Ca338	156	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989500
339	Ca339	157	Wild	*C. aegagrus*	Iran	Khoshyeylagh (35)	55.43	36.71	Feces	S. Naderi	EF989501
340	Ca340	158	Wild	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Tissue	S. Naderi	EF989502
341	Ca341	159	Wild	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	S. Naderi	EF989503
342	Ca342	160	Wild	*C. aegagrus*	Iran	Khojir (21)	51.72	35.63	Feces	S. Naderi	EF989504
343	Ca343	160	Wild	*C. aegagrus*	Iran	Khojir (21)	51.72	35.63	Feces	S. Naderi	EF989505
344	Ca344	161	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989506
345	Ca345	161	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989507
346	Ca346	162	Wild	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Feces	S. Naderi	EF989508
347	Ca347	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989509
348	Ca348	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989510
349	Ca349	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989511
350	Ca350	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989512
351	Ca351	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989513
352	Ca352	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989514
353	Ca353	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989515
354	Ca354	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989516
355	Ca355	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989517
356	Ca356	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989518
357	Ca357	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989519
358	Ca358	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989520
359	Ca359	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989521
360	Ca360	163	Wild	*C. aegagrus*	Iran	Salook (38)	57.26	37.22	Feces	S. Naderi	EF989522
361	Ca361	164	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989523
362	Ca362	164	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989524
363	Ca363	165	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989525
364	Ca364	165	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989526
365	Ca365	166	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989527
366	Ca366	166	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989528
367	Ca367	166	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989529
368	Ca368	166	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989530
369	Ca369	166	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989531
370	Ca370	167	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989532
371	Ca371	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989533
372	Ca372	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989534
373	Ca373	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989535
374	Ca374	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989536
375	Ca375	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989537
376	Ca376	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989538
377	Ca377	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989539
378	Ca378	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989540
379	Ca379	168	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Tissue	S. Naderi	EF989541
380	Ca380	169	Wild	*C. aegagrus*	Iran	Parvar (34)	53.51	35.97	Feces	S. Naderi	EF989542
381	Ca381	170	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Tissue	S. Naderi	EF989543
382	Ca382	171	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989544
383	Ca383	171	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989545

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
384	Ca384	171	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Feces	S. Naderi	EF989546
385	Ca385	171	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Tissue	S. Naderi	EF989547
386	Ca386	171	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Tissue	S. Naderi	EF989548
387	Ca387	171	Wild	*C. aegagrus*	Iran	Tandooreh (39)	58.87	37.41	Tissue	S. Naderi	EF989549
388	Ca388	172	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989550
389	Ca389	172	Wild	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Feces	A. Kence	EF989551
390	Ca390	173	Wild	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989552
391	Ca391	174	Wild	*C. aegagrus*	Azerbaijan	Nakhitchevan (15)	45.26	39.25	Tissue	P. Weinberg	EF989553
392	Ca392	174	Wild	*C. aegagrus*	Turkey	Soyuk (5)	35.17	41.51	Tissue	A. Kence	EF989554
393	Ca393	175	Wild	*C. aegagrus*	Turkey	Soyuk (5)	35.17	41.51	Tissue	A. Kence	EF989555
394	Ca394	176	Wild	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989556
395	Ca395	177	Wild	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989557
396	Ca396	177	Wild	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989558
397	Ca397	178	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	A. Kence	EF989559
398	Ca398	179	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989560
399	Ca399	180	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989561
400	Ca400	181	Wild	*C. aegagrus*	Turkey	Van (10)	43.22	38.29	Tissue	A. Kence	EF989562
401	Ca401	182	Wild	*C. aegagrus*	Iran	Dahaj (29)	54.87	30.57	Feces	S. Naderi	EF989563
402	Ca402	183	Wild	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Tissue	H.-R.HR. Rezaei	EF989564
403	Ca403	183	Wild	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Tissue	H.-R. HR. Rezaei	EF989565
404	Ca404	184	Wild	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Feces	H.-R. HR. Rezaei	EF989566
405	Ca405	185	Wild	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Feces	H.-R. HR. Rezaei	EF989567
406	Ca406	186	Wild	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Feces	H.-R. HR. Rezaei	EF989568
407	Ca407	187	Wild	*C. aegagrus*	Pakistan	Hazarganji (41)	66.11	27.28	Horn	A. T. Virk	EF989569
408	Ca408	188	Wild	*C. aegagrus*	Iran	Mehran (14)	46.12	33.31	Feces	H.-R. HR. Rezaei	EF989570
409	Ca409	189	Wild	*C. aegagrus*	Iran	Mehran (14)	46.12	33.31	Tissue	H.-R. HR. Rezaei	EF989571
410	Ca410	190	Wild	*C. aegagrus*	Iran	Mehran (14)	46.12	33.31	Feces	H.-R. HR. Rezaei	EF989572
411	Ca411	191	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989573
412	Ca412	192	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989574
413	Ca413	193	Wild	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989575
414	Ca414	194	Wild	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989576
415	Ca415	190	Wild	*C. aegagrus*	Iran	Mehran (14)	46.12	33.31	Tissue	H.-R. HR. Rezaei	EF989577
416	Ca416	183	Wild	*C. aegagrus*	Iran	Malayer (19)	48.95	34.21	Tissue	H.-R. HR. Rezaei	EF989578
417	Ca417	195	Wild	*C. aegagrus*	Turkey	Soyuk (5)	35.17	41.51	Horn	A. Kence	EF989579
418	Ca418	136	Wild	*C. aegagrus*	Turkey	Soyuk (5)	35.17	41.51	Horn	A. Kence	EF989580
419	Ca419	136	Wild	*C. aegagrus*	Turkey	Soyuk (5)	35.17	41.51	Horn	A. Kence	EF989581
420	Ca420	136	Wild	*C. aegagrus*	Turkey	Soyuk (5)	35.17	41.51	Tissue	A. Kence	EF989582
421	Ca421	136	Wild	*C. aegagrus*	Azerbaijan	Nakhitchevan (15)	45.26	39.25	Tissue	P. Weinberg	EF989583
422	Ca422	136	Wild	*C. aegagrus*	Azerbaijan	Nakhitchevan (15)	45.26	39.25	Feces	P. Weinberg	EF989584
423	Ca423	136	Wild	*C. aegagrus*	Azerbaijan	Nakhitchevan (15)	45.26	39.25	Feces	P. Weinberg	EF989585
424	Ca424	196	Wild	*C. aegagrus*	Iran	Golestan (37)	56.14	37.43	Tissue	H.-R. HR. Rezaei	EF989586
425	Ca425	197	Wild	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989587
426	Ca426	198	Wild	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989588
427	Ca427	199	Wild	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989589
428	Ca428	200	Wild	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989590
429	Ca429	201	Wild	*C. aegagrus*	Iran	Mahneshan (17)	47.67	36.66	Feces	H.-R. HR. Rezaei	EF989591
430	Ca430	201	Wild	*C. aegagrus*	Iran	Mahneshan (17)	47.67	36.66	Feces	H.-R. HR. Rezaei	EF989592
431	Ca431	202	Wild	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989593
432	Ca432	194	Wild	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989594
433	Ca433	203	Wild	*C. aegagrus*	Turkey	Tunceli (8)	39.34	39.07	Tissue	A. Kence	EF989595
434	Ca434	204	Wild	*C. aegagrus*	Iran	Mahneshan (17)	47.67	36.66	Feces	H.-R. HR. Rezaei	EF989596
435	Ca447	205	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989609
436	Ca448	115	Wild	*C. aegagrus*	Iran	Khartooran (36)	55.86	35.77	Feces	S. Naderi	EF989610
437	Ca450	177	Wild	*C. aegagrus*	Iran	Marakan (12)	45.24	38.85	Feces	H.-R. HR. Rezaei	EF989612
438	Ca451	206	Wild	*C. aegagrus*	Iran	Ghazvin (20)	49.57	36.09	Tissue	H.-R. HR. Rezaei	EF989613
439	Ca453	207	C	*C. aegagrus*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989615
440	Ca454	208	C	*C. aegagrus*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989616
441	Ca455	209	D	*C. aegagrus*	Turkey	Akseki (3)	31.47	37.21	Tissue	A. Kence	EF989617
442	Ca456	210	C	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Tissue	A. Kence	EF989618
443	Ca457	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989619
444	Ca458	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989620
445	Ca459	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989621
446	Ca460	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989622
447	Ca461	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989623

Sample number	Code	Haplotypes	Haplogroup	Species	Country	Population	Longitude (E)	Latitude (N)	Sample type	Collector	Accession no.
448	Ca462	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989624
449	Ca463	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989625
450	Ca464	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989626
451	Ca465	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989627
452	Ca466	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989628
453	Ca467	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989629
454	Ca468	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989630
455	Ca469	211	Wild	*C. aegagrus*	Turkey	Mersin (4)	34.36	36.21	Feces	A. Kence	EF989631
456	Ca470	212	Wild	*C. aegagrus*	Turkey	Van (10)	43.22	38.29	Tissue	A. Kence	EF989632
457	Ca471	212	Wild	*C. aegagrus*	Azerbaijan	Nakhitchevan (15)	45.26	39.25	Tissue	P. Weinberg	EF989633
458	Ca472	213	Wild	*C. aegagrus*	Pakistan	Hazarganji (41)	66.11	27.28	Feces	A. T. Virk	EF989634
459	Ca473	178	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989635
460	Ca474	214	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989636
461	Ca475	178	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989637
462	Ca476	215	Wild	*C. aegagrus*	Dagestan	AudiKoisu (16)	46.71	43.25	Tissue	P. Weinberg	EF989638
463	Ca477	131	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989639
464	Ca478	131	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989640
465	Ca479	216	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989641
466	Ca480	131	Wild	*C. aegagrus*	Pakistan	Kirthar (43)	67.43	25.81	Feces	A. T. Virk	EF989642
467	Ca481	217	Wild	*C. aegagrus*	Pakistan	Dureji (42)	67.43	25.81	Tissue	A. T. Virk	EF989643
468	Ca482	217	Wild	*C. aegagrus*	Pakistan	Dureji (42)	67.43	25.81	Tissue	A. T. Virk	EF989644
469	Ca483	218	F	*C. aegagrus*	Turkey	Van (10)	43.22	38.29	Tissue	A. Kence	EF989645
470	Ca484	219	Wild	*C. aegagrus*	Turkmenistan	Turkmenistan (40)	65.49	38.37	Tissue	G. Luikart	AJ317866
471	Ca485	220	Wild	*C. aegagrus*	Turkmenistan	Turkmenistan (40)	65.49	38.37	Tissue	G. Luikart	AJ317867
472	Ca486	221	Wild	*C. aegagrus blythi*	Pakistan	Kirthar (43)	67.43	25.81	Tissue	Sultana	AB110590
473	Ca487	221	Wild	*C. aegagrus blythi*	Pakistan	Kirthar (43)	67.43	25.81	Tissue	Sultana	AB110591

Table S2. Additional information about the archeological sites indicated in Fig. 3*A*

Site	Region	Country	Culture	Date cal. B.P.	Origin of early domestic goats	References
Nevalı Çori	Eastern Anatolia	Turkey	Early PPNB	ca.10,500	local	6
Shillourokambos	Cyprus	Cyprus	Early/Middle PPNB	10,300–10,200	transferred	7,8
Aswad	Damascus plain	Syria	Early/Middle PPNB	10,300–10,000	transferred	9
Çayönü	Eastern Anatolia	Turkey	Middle PPNB	ca. 10,000	?	10
Aşıklı	Central Anatolia	Turkey	Middle PPNB	10,000–9500	?	11
Nemrik	Eastern Anatolia	Iraq	Middle PPNB	10,000–9500	?	12
Ganj Dareh	Central Zagros	Iran	Aceramic Neolithic	9900–9700	local	13–15
Halula	Euphrates Valley	Syria	Middle PPNB	9800–9500	transferred	16
Abu Hureyra	Euphrates Valley	Syria	Middle PPNB	9800–9500	transferred	17, 18
Tapeh Guran	Central Zagros	Iran	Aceramic Neolithic	9500–9200	?	13–15
Ali Kosh	Central Zagros lowlands	Iran	Aceramic Neolithic	9500–9400	transferred	13–15
Tal-i-Mushki	Fars	Iran	Aceramic Neolithic	8000–8500	?	19
Mehrgarh	Eastern Balotchistan/Indus Valley	Pakistan	Aceramic Neolithic	?9000–7500	transferred	20–22

PPNB: PrePottery Neolithic B.