

Table S1 Details of the Bactrian camels used for analysis of mitochondrial (mtDNA) haplotypes

Camel ID	Origin	Breed	Sample type*	Mt haplotype**
QH007	China, Qinghai	Qinghai	B	H1
QH008	China, Qinghai	Qinghai	B	H1
QH011	China, Qinghai	Qinghai	B	H1
QH012	China, Qinghai	Qinghai	B	H6
QH014	China, Qinghai	Qinghai	B	H10
QH017	China, Qinghai	Qinghai	B	H11
QH018	China, Qinghai	Qinghai	B	H2
QH019	China, Qinghai	Qinghai	B	H1
QH020	China, Qinghai	Qinghai	B	H1
QH021	China, Qinghai	Qinghai	B	H1
ALS023	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS024	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS025	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS028	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS030	China, Inner Mongolia, Alashan	Alashan	B	H2
ALS045	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS049	China, Inner Mongolia, Alashan	Alashan	B	H2
ALS050	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS053	China, Inner Mongolia, Alashan	Alashan	B	H1
ALS054	China, Inner Mongolia, Alashan	Alashan	B	H3
GB055	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H4
GB056	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H3
GB057	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H2
GB059	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H2
GB060	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H1
GB062	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H3
GB064	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H2
GB065	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H1
GB066	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H1
GB069	China, Inner Mongolia, Bayannaoer	Gobi Red	B	H1
SNT070	China, Inner Mongolia, Sunite	Sunit	B	H3
SNT071	China, Inner Mongolia, Sunite	Sunit	B	H2
SNT072	China, Inner Mongolia, Sunite	Sunit	B	H1
SNT074	China, Inner Mongolia, Sunite	Sunit	B	H1
SNT075	China, Inner Mongolia, Sunite	Sunit	B	H2
SNT076	China, Inner Mongolia, Sunite	Sunit	B	H3
SNT078	China, Inner Mongolia, Sunite	Sunit	B	H3
SNT083	China, Inner Mongolia, Sunite	Sunit	B	H1
SNT084	China, Inner Mongolia, Sunite	Sunit	B	H1
SNT085	China, Inner Mongolia, Sunite	Sunit	B	H1

Wild088	Mongolia, Gobi Altai	Wild	E	H14
Wild089	Mongolia, Gobi Altai	Wild	E	H14
Wild090	Mongolia, Gobi Altai	Wild	E	H14
Wild091	Mongolia, Gobi Altai	Wild	E	H14
Wild092	Mongolia, Gobi Altai	Wild	E	H14
Wild093	Mongolia, Gobi Altai	Wild	E	H15
Wild094	Mongolia, Gobi Altai	Wild	E	H14
Wild095	Mongolia, Gobi Altai	Wild	E	H14
Wild096	Mongolia, Gobi Altai	Wild	E	H15
Wild097	Mongolia, Gobi Altai	Wild	E	H14
Wild098	Mongolia, Gobi Altai	Wild	E	H14
Wild099	Mongolia, Gobi Altai	Wild	E	H15
Wild100	Mongolia, Gobi Altai	Wild	E	H14
Wild101	Mongolia, Gobi Altai	Wild	E	H14
Wild102	Mongolia, Gobi Altai	Wild	E	H15
Wild103	Mongolia, Gobi Altai	Wild	E	H15
Wild104	Mongolia, Gobi Altai	Wild	E	H14
Wild105	Mongolia, Gobi Altai	Wild	E	H15
Wild106	Mongolia, Gobi Altai	Wild	E	H14
Hybrid107	Mongolia, Gobi Altai	Hybrid	E	H14
Hybrid108	Mongolia, Gobi Altai	Hybrid	E	H14
ZGE110	China, Xinjiang, Zhungeer	Zhungeer	B	H3
ZGE111	China, Xinjiang, Zhungeer	Zhungeer	B	H1
ZGE112	China, Xinjiang, Zhungeer	Zhungeer	B	H9
ZGE113	China, Xinjiang, Zhungeer	Zhungeer	B	H2
ZGE114	China, Xinjiang, Zhungeer	Zhungeer	B	H3
ML115	China, Xinjiang, Mulei	Mulei	B	H1
ML116	China, Xinjiang, Mulei	Mulei	B	H2
ML117	China, Xinjiang, Mulei	Mulei	B	H2
ML118	China, Xinjiang, Mulei	Mulei	B	H1
ML119	China, Xinjiang, Mulei	Mulei	B	H1
TLM120	China, Xinjiang, Talimu	Tarim	B	H6
TLM121	China, Xinjiang, Talimu	Tarim	B	H11
TLM122	China, Xinjiang, Talimu	Tarim	B	H11
TLM123	China, Xinjiang, Talimu	Tarim	B	H6
TLM124	China, Xinjiang, Talimu	Tarim	B	H11
GGU125	Mongolia, Umnugobi, Hanbogd	GGU	B	H2
GGU126	Mongolia, Umnugobi, Hanbogd	GGU	B	H1
GGU127	Mongolia, Umnugobi, Hanbogd	GGU	B	H3
GGU128	Mongolia, Umnugobi, Hanbogd	GGU	B	H5
GGU130	Mongolia, Umnugobi, Hanbogd	GGU	B	H1
GGU131	Mongolia, Umnugobi, Hanbogd	GGU	B	H1
GGU132	Mongolia, Umnugobi, Hanbogd	GGU	B	H1
GGU133	Mongolia, Umnugobi, Hanbogd	GGU	B	H2

HHH135	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H6
HHH136	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H7
HHH137	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H8
HHH138	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H6
HHH139	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H3
HHH140	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H1
HHH141	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H2
HHH142	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H3
HHH143	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H2
HHH144	Mongolia, Umnugobi, Mandal-ovoo	HHH	B	H3
HZ145	Mongolia, Gobi Altai, Tugrug	HZ	B	H1
HZ146	Mongolia, Gobi Altai, Tugrug	HZ	B	H1
HZ147	Mongolia, Gobi Altai, Tugrug	HZ	B	H9
HZ148	Mongolia, Gobi Altai, Tugrug	HZ	B	H2
HZ149	Mongolia, Gobi Altai, Tugrug	HZ	B	H3
HZ150	Mongolia, Gobi Altai, Tugrug	HZ	B	H3
HZ151	Mongolia, Gobi Altai, Tugrug	HZ	B	H1
HZ152	Mongolia, Gobi Altai, Tugrug	HZ	B	H3
HZ153	Mongolia, Gobi Altai, Tugrug	HZ	B	H1
HZ154	Mongolia, Gobi Altai, Tugrug	HZ	B	H1
Kalmyk158	Russia, Astrakhan	Kalmyk	B	H1
Kalmyk159	Russia, Astrakhan	Kalmyk	B	H1
Kalmyk160	Russia, Astrakhan	Kalmyk	B	H2
Kalmyk161	Russia, Astrakhan	Kalmyk	B	H12
Kalmyk162	Russia, Astrakhan	Kalmyk	B	H1
Kalmyk163	Russia, Astrakhan	Kalmyk	B	H3
Kalmyk165	Russia, Astrakhan	Kalmyk	B	H13
Kalmyk166	Russia, Astrakhan	Kalmyk	B	H1
Kalmyk167	Russia, Astrakhan	Kalmyk	B	H1
FJ792680 ¹	Silbermayr et al,	NA	NA	H1
EF507798 ¹	GenBank	NA	NA	H1
FJ792681 ¹	Silbermayr et al, 2009	NA	NA	H2
FJ792683 ¹	Silbermayr et al, 2009	NA	NA	H3
FJ792682 ¹	Silbermayr et al, 2009	NA	NA	H6
EF507801 ¹	GenBank	Wild	NA	H14
EF507800 ¹	GenBank	Wild	NA	H14
FJ792684 ¹	Silbermayr et al, 2009	Wild	NA	H14
NC_009629 ¹	GenBank,	Wild	NA	H15
FJ792685 ¹	Silbermayr et al, 2009	Wild	NA	H15
EF212038 ¹	GenBank	Wild	NA	H15

* B: blood; E: ear.

** H1-H13: domestic Bactrian camel haplotypes, H14 and H15: wild Bactrian camel haplotypes.

GGU: Galbiin Gobiin Ulaan; HZ: Hos Zogdort; HHH: Haniin Hetsiin Huren.

¹: previously described haplotypes