

**Supplementary table 1.** Characteristics of mtDNA studies in Eurasian populations

<b>Population</b>	<b>n*</b>	<b>Location</b>	<b>Reference No.</b>
Altaiian Kazakhs	237	Altai Republic	6
Altaiians	110	Altai Republic	7
Buryats	91	South Siberia	7
Chukchi	66	Siberia	8
Evenki	71	Siberia	9
Gilaki	37	Northern Iran	10
Itelmen	47	Siberia	11
Kazakhs1	55	South Kazakhstan	1
Kazakhs2	53	Xinjiang	12
Ket	38	Northern Eurasia	13
Khakass	53	South Siberia	7
Kirghiz	95	South Kyrgyzstan	1
Koryak	155	Siberia	11
Kurd	20	Western Iran	10
Lur	17	Southwestern Iran	10
Mansi	98	Northwest Siberia	14
Mongolians	89	Mongolia	6
Negedal	33	Siberia	9
Nganasan	24	Northern Eurasia	14
Nivkh	56	Siberia	9
Shugnan	44	Tajikistan	10
Sojots	30	South Siberia	7
Tarbagatay	160	East Kazakhstan	This study
Todjins	48	South Siberia	7
Tofalars	58	South Siberia	7
Tubalar	72	Siberia	9
Turkmen	41	Turkmenistan	10
Turks	50	Anatolia, Turkey	10
Tuvinians	90	South Siberia	7
Udegey	46	Siberia	9
Uighurs	47	Xinjiang	12
Ulchi	87	Siberia	9
Uzbek	42	South Uzbekistan	10

**\*Abbreviation: n – number of individuals.**