

Table S3. the frequency distribution of Haplogroup O-M134 generated in this study and previously published data

Country	Population	Longitude	Latitude	Sample size	Number of M134+ samples	Percentage (%)	Reference	M134 or M134 (xM117)
Burman	Burma	96.3	19.6	106	0	0	Peng MS_2013	M134
Mongol	Northwest Mongol	92.98	49.24	160	7	4.12	Di Cristofaro J_2013	M134
Kyrgyzstan	Kyrgyzstan	75.47	42.35	132	5	3.78	Di Cristofaro J_2013	M134
Afghanistan	Jawzjan	36.52	65.48	74	1	1.35	Di Cristofaro J_2013	M134
China	Uyghur	43.56	87.45	6	1	16.7	Di Cristofaro J_2013	M134
Afghanistan	Uzbek Afghan	64.74	36.6	127	0	0	Di Cristofaro J_2013	M134
Afghanistan	Tajik Afghan	68.86	36.68	142	0	0	Di Cristofaro J_2013	M134
Afghanistan	Hazara Afghan	67.21	35.61	77	0	0	Di Cristofaro J_2013	M134
Iran	Iran	51.67	32.65	186	0	0	Di Cristofaro J_2013	M134
China	Ngari Tibetan	80.1	32.37	211	1	0.47	Qi XB_2013	M134xM117
China	Qamdo Tibetan	97.14	31.18	119	4	3.36	Qi XB_2013	M134xM117
China	Lhasa Tibetan	91.14	29.64	814	27	3.32	Qi XB_2013	M134xM117
China	Nyingchi Tibetan	95.75	29.85	117	5	4.27	Qi XB_2013	M134xM117

China	Amdo Tibetan	91.65	32.26	219	3	1.37	Qi XB_2013	M134xM117
China	Shigatse Tibetan	88.82	29.28	434	17	3.92	Qi XB_2013	M134xM117
China	Shannan Tibetan	91.76	29.18	156	3	1.92	Qi XB_2013	M134xM117
Philippines	North Philippines	121.41	17.01	121	0	0	Delfin F_2010	M134
Philippines	Central Philippines	121.72	13.79	119	0	0	Delfin F_2010	M134
Philippines	South Philippines	125.59	8.9	150	0	0	Delfin F_2010	M134
Indonesia, Malaysia, Brunei	Borneo	113.34	-2.11	86	0	0	Karafet TM_2010	M134
Indonesia	Bali	115.2	-8.69	641	0	0	Karafet TM_2010	M134
Korea	Korea	127.4	36.33	706	68	9.63	Park MJ_2012	M134
Russia	Yakut	129.79	62		0	0	Pakendorf B_2006	M134
Japan	Japanese	136.92	35.16	165	6	3.64	Nonaka I_2007	M134
India	Punjab India	75.62	31.28	66	0	0	Kivisild T_2003	M134
Pakistan	Pakistan	70.54	29.1	638	0	0	Fisarar S_2007	M134
Nepal	Katmandu Nepal	85.33	27.7	77	2	2.6	Gayden T_2007	M134
Thailand	Thailand	100.1	15.83	60	7	11.67	Shi H_2005	M134xM117

India	Mei gallas, Kathy India	91.32	25.49	92	15	16.3	Kumar V_2007	M134xM117
India	Munda India	83.5	23	780	0	0	Kumar V_2007	M134
China	Zayu Deng	97.05	28.47	90	28	31.11	Kang LL_2011	M134xM117
China	Millin loba	94.22	29	130	3	2.31	Kang LL_2011	M134xM117
China	Han Yunnan	102.8	24.96	81	1	1.23	Shi H_2005	M134xM117
China	Han, Northeast	104	28	80	9	11.25	This study	M134xM117
China	Han, North	115	37	225	34	15.11	This study	M134xM117
China	Han, East	118.59	32.116	450	64	14.22	This study	M134xM117
China	Han, South	110.75	22.25	158	14	8.86	This study	M134xM117
China	Han, Northwest	98	43.5	47	9	19.15	This study	M134xM117
China	Han, Southwest	105.585	28.99	36	5	13.89	This study	M134xM117
China	Manchu	123.195	42.26	16	3	18.75	This study	M134xM117
China	Mongol	119.77	49.22	196	2	1.02	This study	M134xM117
