

Supplementary Material

Supplementary Table 1. Demographics and GGA and mtDNA haplogroups of the cohort.

Characteristics	Controls (n = 23,743)	Schizophrenia (n = 2,538)
Age (Median and range), years	23 (12 – 36)	28 (17 – 36)
Sex (Male/Female)	12,067 / 11,676	1,469 / 1,069
Genogeographic affinity:		
Danish	20,918 (88.10 %)	2,233 (87.98 %)
European	1,584 (6.67 %)	195 (7.68 %)
Middle Eastern	724 (3.05 %)	59 (2.32 %)
Central South Asian	365 (1.54 %)	44 (1.73 %)
African	15 (0.06 %)	1 (0.04 %)
Greenlandian	4 (0.02 %)	3 (0.12 %)
mtDNA haplogroup:		
H	10,817 (45.6 %)	1,153 (45.4 %)
U	3,205 (13.5 %)	375 (14.8 %)
T	2,184 (9.2 %)	231 (9.1 %)
J	2,123 (8.9 %)	255 (10.0 %)
K	1,753 (7.4 %)	164 (6.5 %)
V	796 (3.4 %)	81 (3.2 %)
I	655 (2.8 %)	55 (2.2 %)
R	646 (2.7 %)	65 (2.6 %)
X	390 (1.6 %)	25 (1.0 %)
M	386 (1.6 %)	31 (1.2 %)
W	319 (1.3 %)	28 (1.1 %)
N	296 (1.2 %)	62 (2.4 %)
L	173 (0.7 %)	13 (0.5 %)

Supplementary Table 2. Distribution of mtDNA haplogroups of schizophrenic patients with specific SNPs

SNP-allele	Mitochondrial haplogroups (% of each allele)												
	H	U	T	J	K	V	I	R	X	M	W	N	L
m.1438A	99.2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
m.1438G	42.8	15.5	9.6	10.5	6.8	3.3	2.3	2.7	1.0	1.3	1.2	2.5	0.5
m.3197C	0.0	99.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
m.3197T	49.5	7.3	9.9	10.9	7.0	3.5	2.4	2.8	1.1	1.3	1.2	2.6	0.6
m.3666A	20.0	30.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	10.0
m.3666G	45.5	14.7	9.1	10.0	6.5	3.2	2.2	2.6	1.1	1.2	1.1	2.5	0.5
m.4769A	97.4	1.7	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
m.4769G	42.9	15.4	9.5	10.5	6.8	3.3	2.3	2.6	1.0	1.3	1.2	2.6	0.5
m.9377A	45.5	14.9	9.2	10.1	6.2	3.2	2.2	2.6	1.0	1.2	1.1	2.5	0.5
m.9377G	33.3	0.0	0.0	0.0	46.7	0.0	0.0	0.0	0.0	13.3	0.0	0.0	6.7
m.10398G	0.4	0.0	0.0	50.8	26.7	0.0	11.4	0.2	0.0	6.4	0.0	1.4	2.7
m.10398A	56.0	18.3	11.2	0.4	1.7	3.9	0.0	3.1	1.2	0.0	1.4	2.7	0.0
m.15043A	0.0	0.0	20.7	0.0	0.0	0.0	47.4	0.9	0.0	26.7	0.0	4.3	0.0
m.15043G	47.6	15.5	8.5	10.5	6.8	3.3	0.0	2.6	1.0	0.0	1.2	2.4	0.5
m.15218G	5.3	91.0	0.0	0.8	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
m.15218A	47.7	10.6	9.6	10.6	6.8	3.4	2.3	2.5	1.0	1.3	1.2	2.6	0.4

Supplementary Table 3. Distribution of genogeographic affinities of schizophrenic persons with specific SNPs.

SNP-allele	Geographical origin (number of persons)							
	Denmark (716)	Greenland (592)	Europe (157)	Middle East (163)	Central South Asia (200)	East Asia (228)	Africa (101)	Oceania (27)
m.1438A	92.6	0.0	5.8	0.8	0.8	0.0	0.0	0.0
m.1438G	87.7	0.1	7.8	2.4	1.8	0.1	0.0	0.0
m.3197C	92.8	0.0	4.8	1.4	1.0	0.0	0.0	0.0
m.3197T	87.5	0.1	7.9	2.4	1.8	0.1	0.0	0.0
m.3666A	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
m.3666G	88.0	0.1	7.6	2.3	1.7	0.1	0.0	0.0
m.4769A	90.5	0.0	5.2	1.7	2.6	0.0	0.0	0.0
m.4769G	87.9	0.1	7.8	2.4	1.7	0.1	0.0	0.0
m.9377A	88.1	0.1	7.7	2.3	1.7	0.1	0.0	0.0
m.9377G	80.0	0.0	0.0	6.7	6.7	6.7	0.0	0.0
m.10398G	83.3	0.0	8.5	3.7	3.7	0.6	0.2	0.0
m.10398A	89.1	0.1	7.5	2.0	1.3	0.0	0.0	0.0
m.15043A	66.4	0.0	12.9	1.7	16.4	2.6	0.0	0.0
m.15043G	89.0	0.1	7.4	2.4	1.0	0.0	0.0	0.0
m.15218G	88.0	0.0	6.0	3.8	2.3	0.0	0.0	0.0
m.15218A	88.0	0.1	7.8	2.2	1.7	0.1	0.0	0.0