

Supplementary Online Content

Chalkia D, Singh LN, Leipzig J, et al. Association between mitochondrial DNA haplogroup variation and autism spectrum disorders. *JAMA Psychiatry*. Published online August 23, 2017. doi:10.1001/jamapsychiatry.2017.2604

eTable 1. List of 163 Illumina 550 Chip SNPs

eTable 2. Correspondence Between Haplogroup Calls Using 30,893 Whole mtDNA Sequences

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. List of 163 Illumina 550 Chip SNPs

Position	rCRS Ref	Mutant
182	C	T
217	T	C
228	G	A
247	G	A
250	T	C
295	C	T
456	C	T
462	C	T
477	T	C
489	T	C
750	A	G
827	A	G
1018	G	A
1048	C	T
1189	T	C
1438	A	G
1719	G	A
1736	A	G
2158	T	C
2352	T	C
2483	T	C
2706	A	G
2789	C	T
2885	T	C
3010	G	A
3197	T	C
3348	A	G
3394	T	C
3480	A	G
3547	A	G
3594	C	T
3666	G	A
3720	A	G
3915	G	A

3918	G	A
3970	C	T
3992	C	T
4024	A	G
4104	A	G
4336	T	C
4561	T	C
4639	T	C
4769	A	G
4820	G	A
4824	A	G
4883	C	T
4917	A	G
4977	T	C
5004	T	C
5046	G	A
5178	C	A
5263	C	T
5390	A	G
5442	T	C
5460	G	A
5495	T	C
5656	A	G
5773	G	A
5951	A	G
6026	G	A
6045	C	T
6071	T	C
6152	T	C
6221	T	C
6260	G	A
6365	T	C
6455	C	T
6680	T	C
6734	G	A
6752	A	G
6776	T	C

6719	T	C
7055	A	G
7175	T	C
7256	C	T
7274	C	T
7521	G	A
7768	A	G
8206	G	A
8269	G	A
8277	T	C
8616	G	T
8655	C	T
8869	A	G
9072	A	G
9093	A	G
9221	A	G
9377	A	G
9540	T	C
9667	A	G
9698	T	C
9716	T	C
9899	T	C
9950	T	C
10034	T	C
10044	A	G
10238	T	C
10310	G	A
10321	T	C
10398	A	G
10463	T	C
10550	A	G
10586	G	A
10589	G	A
10688	G	A
10873	T	C
10915	T	C
11251	A	G

11377	G	A
11467	A	G
11485	T	C
11722	T	C
11812	A	G
11899	T	C
11914	G	A
11969	G	A
12308	A	G
12372	G	A
12414	T	C
12630	G	A
12669	C	T
12705	C	T
12850	A	G
13105	A	G
13263	A	G
13650	C	T
13780	A	G
13789	T	C
13965	T	C
14178	T	C
14212	T	C
14233	A	G
14582	A	G
14766	C	T
14783	T	C
14798	T	C
15043	G	A
15110	G	A
15218	A	G
15244	A	G
15257	G	A
15301	G	A
15535	C	T
15670	T	C
15758	A	G

15784	T	C
15833	C	T
15904	C	T
15924	A	G
15928	G	A
15930	G	A
16129	G	A
16144	T	C
16145	G	A
16148	C	T
16162	A	G
16163	A	G
16183	A	C
16270	C	T
16278	C	T
16327	C	T
16390	G	A
16391	G	A

eTable 2. Correspondence Between Haplogroup Calls Using 30,893 Whole mtDNA Sequences^a

Predicted HG																												
HG	A	B	C	D	E	F	G	H	H V	I	J	K	L	M *	N *	O	P	Q	R	R 0	S	T	U	V	W	X	Y	Z
A	739	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B	0	1879	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	10	86	0	0	0	0	0	0	0	0
C	0	0	748	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D	0	0	0	1437	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E	0	0	0	0	246	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F	0	4	0	0	0	459	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
G	0	0	0	0	4	0	128	0	0	0	0	0	0	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0	5531	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H V	0	0	0	0	0	0	0	4	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I	0	0	0	0	0	0	0	0	0	303	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0	0	0	0	1089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	0	0	0	0	1205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0	0	0	0	0	0	2892	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	0	0	0	0	1	0	10	0	0	0	0	0	0	22	0	0	0	5	0	0	0	0	0	0	0	0	0	0

*															93													
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	0
*															2													
O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	33	0	0	0	0	0	0	0	0
																7												
Q	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	12	0	0	0	0	0	0	0	0	0	
																	7											
R	0	12	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	23	69	0	0	0	0	0	0	0	0	
																		8										
R	0	6	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	9	16	0	0	0	0	0	0	0	0	
0																		9	9									
S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	2	0	0	0	0	0	
T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	
																						90						
U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	
																							55					
V	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	
									4															1				
W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	
																								7				
X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	26	0	
																									0	0	0	
Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
																										5	0	
Z	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
																											3	

^aThe same data set was analyzed but only examined the 163 Illumina mtdna snps (columns correspond to HG predicted based on the 163 snps and rows correspond to hgs assigned based on complete mtdna sequences)