SUPPLEMENTARY TABLES

Supplementary table 1. Primer sequences used for in multiplex PCR, SBE and PCR-RFLP.

	Polimorphic site	PCR primer	Position	SNP analyzed	Restriction enzime
Multiplex PCR	7028	5´-CTGACTGGCATTGTATTAGCA-3´ 5´-GTATACGGGTTCTTCGAATG-3´	6960F 7433R		
	14766	5´-GAGAAGGCTTAGAAGAAAACCCCAC-3´ 5´-GTGGGCGATTGATGAAAAGGC-3´	14601F 14950R		
	10398	5´-GGCCTATGAGTGAACTACAAAA-3´ 5´-TATTCCTAGAAGTGAGATGGT-3´	10364F 10526R		
	4580	5´-CCTACCACTCACCCTAGCATTAC-3´ 5´-TAGGAATGCGGTAGTAGTTAG-3´	4185F 5120R		
	12308	5´-CAACCCCGACATCATTACCGGGT-3´ 5´-GGGTTAACGAGGGTGGTAAGG-3´	12106F 12413R		
	4216	5´-CCTACCACTCACCCTAGCATTAC-3´ 5´-GCGAGCTTAGCGCTGTGATGAG-3´	4185F 4542R		
Single Base Extension (SBE)	7028	5´-ACACGACACGTAACTACGTTGTAGC-3´	7004F	m.7028C>T	
	14766	5´cgatcATGAGTGGTTAATTAATTTTATTAGGGG GTTA-3´	14798R	m.14766C>T	
	10398	5´-ataTATGAGTGACTACAAAAAGGATTAGA CTGA-3´	10368F	m.10398A>G	
	4580	5´-(at)7TTTTTTACCTGAGTAGGCCTAGAAA TAAACAT-3´	4548F	m.4580G>A	
	12308	5´-(tacg)5aCCATTGGTCTTAGGCCCCAA-3´	12288F	m.12308A>G	
	4216	5´-cgCCACTCACCCTAGCATTACTTATATG A-3´	4189F	m.4216T>C	
PCR-RFLP	10032	5´-CTTTGGCTTCGAAGCCGCCGCC-3´ 5´- TATTCCTAGAAGTGAGATGGT-3´	9902F 10526R	m.10034T>C	(-)AluI
	14465	5´- ATGCCTCAGGATACTCCTCAATAGCCA TC- 3´ 5´- CCGTGCGAGAATAATGATGTATGC-3´	14430F 14686R	m.1470T>C	(+)AccI

R: primer in reverse orientation; F:primer in forward orientation

* Lower case letters indicate the unspecific nucleotides in 5´-end of the SBE primer. PCR products for RFLP analysis were digested with the corresponding restriction enzyme and digested PCR products appeared like three fragments in agarose gel.

Table S2. Frequencies (%) of control population in this study and in other European studies.

Haplogrups	This study N=422	Finland and Sweden [a] N=134	Austria [b] N=1527	Italy [c] N=686
H	40.0	41	43.6	41
U	17.3	14.2	15.5	12.4
J	11.1	11.2	11.4	9.5
T	11.1	11.9	8.3	9.1
K	6.6	7.5	5.2	5.6
W	1.4	2.2	2.1	0.8
V	3.1	3.0	1.8	1.0
I	1.4	2.2	1.0	2.7
X	3.5	4.5	1.3	6.2
SuperHV	1.4	...	...	...
Other	3.1	2.2	9.8	11.3

a. Torroni et al., 1996. **b.** Kofler et al., 2009. **c.** Mancuso et al., 2004.