

mtHaplogroups

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Haplogroups Index

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Login

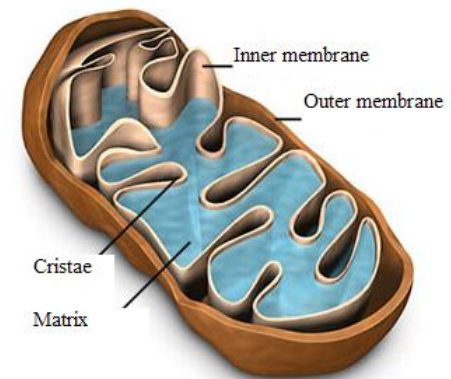
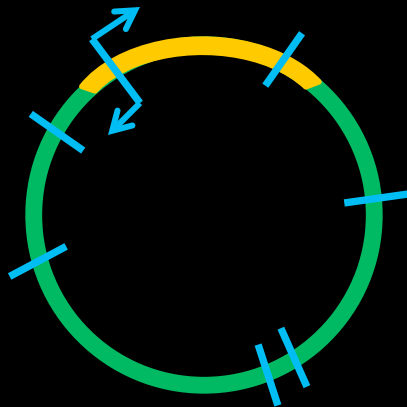
All Haplogroups

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Haplogroup	Subhaplogroups
A	A*
B	B*
C	C*
D	D*
E	E*
H	H* H1 H2 H2a H2a1 H2a1a H2a2 H2a2a H2a2b H2a2b1 H2a3 H2a4 H2a5 H2a5a H2b H3 H3a H3b H3c H3d H3e H3f H3g H4 H4a H4a1 H4a1a H4a1a1 H4a1b H4a2 H4b H5 H5'36 H5a H5a1 H5a2 H5b H6 H7 H10 H13 H36 H36a
HV	HV HV1
I	I* I1 I1a I2
J	J* J1 J1a J1b J1b1 J1C J2 J2a J2b J3
K	K* K1 K1a K2
L1	L1*
L2	L2*
L3	L3*
M	M*
PRE HV1	Pre HV1
T	T* T1 T2 T2a T2b
U	U* U1 U2 U3 U4 U5 U5a U5a1 U5a1a U5b U5b1 U6 U7 U8 U8a U8b U9
V	V* V1 V2
W	W* W1 W1a W1c W2 W3
X	X* X1 X1a X1b X2 X2a X2b X2c X2d X2e X2f

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Why?



Mitochondria Inner Structure

Haplogroup Results

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Haplogroup ▾	Subhaplogroup ▾	Locus ▾	Basepair ▾	Nucleotide Change ▾	Functional Change ▾	Citations ▾
H	H*	MT-ATP6	8557	G - A	A-T	Achilli A, et al. (2004) The molecular dissection of mtDNA haplogroup H confirms that the Franco-Cantabrian glacial refuge was a major source for the European gene pool. <i>Am J Hum Genet</i> ,75:910-918 Pubmed ID: 15382008 Link to Pubmed
H	H*	MT-ATP6	8588	T - A	V-E	Finnila S, et al. (2001) Phylogenetic network for European mtDNA. <i>Am J Hum Genet</i> ,68:1472-1484 Pubmed ID: 11349229 Link to Pubmed
H	H*	MT-ATP6	8592	G - A	SYN	Howell N, et al. (2003) The pedigree rate of sequence divergence in the human mitochondrial genome: there is a difference between phylogenetic and pedigree rates. <i>Am J Hum Genet</i> ,72:659-670 Pubmed ID: 12571803 Link to Pubmed
H	H*	MT-ATP6	8618	T - C	I-T	Herrnstadt C, et al. (2002) Reduced-median-network analysis of complete mitochondrial DNA coding-region sequences for the major African, Asian, and European haplogroups. <i>Am J Hum Genet</i> ,70:1152-1171 Pubmed ID: 11938495 Link to Pubmed
H	H*	MT-ATP6	8668	T - C	W-R	Achilli A, et al. (2004) The molecular dissection of mtDNA haplogroup H confirms that the Franco-Cantabrian glacial refuge was a major source for the European gene pool. <i>Am J Hum Genet</i> ,75:910-918 Pubmed ID: 15382008 Link to Pubmed
						Herrnstadt C, et al. (2002) Reduced-median-network

Custom Search

Thing to Search	Value
Haplogroup	Anything <input type="button" value="v"/>
Subhaplogroup	H2 <input type="button" value="v"/>
Locus	MT-TF <input type="button" value="v"/>
Basepair	Anything <input type="text"/>
Nucleotides	Anything <input type="button" value="v"/>
Functional Change	Anything <input type="button" value="v"/>
Title	Anything <input type="button" value="v"/>
Authors	Anything <input type="button" value="v"/>
Journal	Anything <input type="button" value="v"/>
Issue	Anything <input type="button" value="v"/>
Start Page	Anything <input type="button" value="v"/>
End Page	Anything <input type="button" value="v"/>
Year	Anything <input type="button" value="v"/>
Pubmed ID	Anything <input type="button" value="v"/>



Quality Control

- Re-examination of the literature
 - manual quality control
 - comparison with our in-lab results
- automated searches
 - internal consistency
 - comparison to MitoMap
- Careful quality control through cross validation and re-evaluation of the literature benefits everyone.

Future work

- automated haplogrouping
 - “traditional”
 - simplified?
 - best fit (e.g. highest percentage)
- full data dump
- custom data dumps

- <https://momtong.rit.edu/cgi-bin/haplogroups/haplogroups.cgi>