Genetic Appendix

Cassie Roqica

		ALLERGY			
SNP	rsID	Minor Allele	Genotype	Phenotype	
C110RF30	rs2155219	G	GT	+/-	Increased risk of allergy/sensitivity to mold
HLA-DQB1	rs7775228	C	TT	-/-	
HEY DQDI	137773220	CLEFT LIP/CLEFT PAI		,	
SNP	rsID	Minor Allele	Genotype	Phenotype	
			GG		
IRF6	rs861020	A		-/-	
INTERGENIC	rs987525	A OLOTTING FACTOR	CC	-/-	
ONE		CLOTTING FACTOR		Discussions	
SNP	rsID	Minor Allele	Genotype	Phenotype	
CETP	rs1800775	С	AC	+/-	
CYP4V2	rs13146272	С	AA	-/-	
F10	rs3211719	G	AA	-/-	
F11	rs2036914	Т	TT	+/+	Increased risk of deep vein thrombosis
F11	rs2289252	Т	CC	-/-	
F12	rs1801020	Α	GG	-/-	
F12	rs2731672	T	CC	-/-	
F5	rs6025	Т	CC	-/-	
F9	rs6048	G	AA	-/-	
GP6	rs1613662	G	AG	+/-	Increased risk of clotting disorders
HRG	rs9898	T	CT	+/-	Increased risk of clotting disorders
ITGB3	rs5918	C	CT	+/-	Increased risk of clotting disorders
NR1I2			CC		
	rs1523127	C		+/+	Increased risk of clotting disorders
SERPINC1	rs2227589	T	CC	-/-	
CND	ID	DETOX	Cometume	Dhanatuna	
SNP	rsID	Minor Allele	Genotype	Phenotype	
СТН	rs1021737	Т	GT	+/-	
CYP1A1	rs1048943	С	TT	-/-	
CYP1A1	rs1799814	T	GG	-/-	
CYP1A1	rs4986883	С	TT	-/-	
CYP1A2	rs762551	С	AA	-/-	Increased caffeine metabolism
CYP1B1	rs1056836	С	GG	-/-	
CYP1B1	rs1800440	С	TT	-/-	
CYP2A6	rs1801272	T	AA	-/-	
CYP2C9	rs1057910	С	AA	-/-	
CYP2C9	rs1799853	T	CC	-/-	
CYP2D6	rs1065852	A	AG	+/-	Decreased Estrogen/drug metabolism
CYP2D6	rs16947	A	AG	+/-	Decreased Estrogen/drug metabolism
CYP2E1	rs2070676	G	CC	-/-	Decreased Estrogery and metabolism
CYP2E1	rs55897648		GG	-/-	
		A	GG		
CYP2E1	rs6413419	A		-/-	
CYP3A4	rs12721627	С	GG	-/-	
CYP3A4	rs2740574	C	TT	-/-	
CYP3A4	rs55785340	G	AA	-/-	
GPX3	rs8177412	С	СТ	+/-	Decreased metal detoxification and reduced glututhione
GSTM1	rs2239892	G	AA	-/-	
GSTP1	rs1138272	T	CT	+/-	Decreased metal detoxification and reduced glututhione
GSTP1	rs1695	G	AG	+/-	Decreased metal detoxification and reduced glututhione
NAT1	rs4986782	Α	GG	-/-	
NAT2	rs1208	G	AA	-/-	
NAT2	rs1799930	Α	AA	+/+	
NAT2	rs1799931	Α	GG	-/-	
NAT2	rs1801279	Α	GG	-/-	
NAT2	rs1801280	С	TT	-/-	
10112	131001200	GLUTEN INTOLERAN		,	
SNP	rsID	Minor Allele	Genotype	Phenotype	
			CC		
HLA-DQA1	rs2187668	T		-/-	
HLA-DQA2	rs2858331	G IGA	AA	-/-	
SNP	ID		Constima	Dhonetime	-
	rsID	Minor Allele	Genotype	Phenotype	_
CFH	rs6677604	Α	GG	-/-	
HLA-DPB2	rs1883414	Α	AA	+/+	Gluten sensitivity

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HLA-DQA2	rs9275224	A	AA	+/+	Gluten sensitivity
HLA-DRB1	rs9271366	G	AA	-/-	
HLA-DRB1	rs9275596	c	CC	+/+	Gluten sensitivity
HORMAD2	rs2412971	G	AG	+/-	Increased risk of autoimmune
IFIH1	rs1990760	Т	CC	-/-	
IGF1R	rs2229765	A	AG	+/-	Increased risk of autoimmune
IRF5	rs4728142	A	GG	-/-	increased risk of autoinmane
					La sus a sanduciale a francisco de sus de la companya de la compan
MTC03P1	rs2856717	A	AA	+/+	Increased risk of autoimmune
PSMB8	rs9357155	A	GG	-/-	
TRAF1	rs3761847	G	AA	-/-	
OND		IGE	0	Discussions	
SNP	rsID	Minor Allele	Genotype	Phenotype	
ACKR1	rs2814778	С	TT	-/-	
FCER1A	rs2251746	С	CT	+/-	Increased risk of athsma and hay fever
FCER1A	rs2427837	Α	AG	+/-	Increased risk of athsma and hay fever
FCER1A	rs2494262	Α	AC	+/-	Increased risk of athsma and hay fever
IL5	rs2069812	G	AG	+/-	Increased risk of immune dysfunction and inflammation
RAD50	rs17772565	Т	CC	-/-	· ·
RAD50	rs17772583	G	AG	+/-	
RAD50	rs2040704	G	AA	-/-	
			AG		
RAG1	rs3740955	A IGG	AG	+/-	
SNP	rsID	Minor Allele	Genotype	Phenotype	
			AG	+/-	In any and sink of also weake identified
FCGR2A	rs1801274	G			Increased risk of rheumatoid arthritis
GSTM3	rs7483	T	CC	-/-	
LOC105369210	rs3751987	A	GG	-/-	
MUC21	rs1634731	G	AA	-/-	
TNFRSF13B	rs4792800	G	AA	-/-	
		METHYLATION			
SNP	rsID	Minor Allele	Genotype	Phenotype	
ACAT1	rs3741049	Α	AG	+/-	Decreased fat metabolism and possible high cholesterol
ACE	rs4343	G	GG	+/+	Increased risk of hypertension
AGT	rs699	A	AG	+/-	Increased risk of hypertension
BHMT	rs3733890	A	AG	+/-	mercused risk of hypertension
BHMT-02	rs567754	T	CC	-/-	
				-/-	
BHMT-04	rs617219	C	AA		
C10RF167	rs4846048	G	AG	+/-	
CBS	rs2851391	T	TT	+/+	
CBS	rs4920037	A	GG	-/-	
CBS A360A	rs1801181	Α	GG	-/-	
CBS C699T	rs234706	Α	GG	-/-	
CBS N212N	rs2298758	Α	GG	-/-	
CLCN6	rs13306560	Т	CC	-/-	
CLCN6	rs13306561	G	AA	-/-	
CLCN6	rs3737964	T	CT	+/-	
COMT	rs6269	G	GG	+/+	
		T	CC		la sussand has a lada a una afada a ancia a /a da a a alia a /a da a a a
COMT H62H	rs4633			-/-	Increased breakdown of dopamine/adrenaline/estrogen
COMT P199P	rs769224	A	GG	-/-	Land to the state of the state
COMT V158M	rs4680	A	GG	-/-	Increased breakdown of dopamine/adrenaline/estrogen
DAO	rs2070586	Α	AG	+/-	Decreased histamine breakdown
DAO	rs2111902	G	GT	+/-	Decreased histamine breakdown
FOLR1	rs2071010	Α	GG	-/-	
FOLR2	rs651933	G	AG	+/-	Increased need for folate
FOLR3	rs7925545	G	AA	-/-	
FUT2	rs492602	G	AA	-/-	
FUT2	rs601338	A	GG	-/-	
FUT2	rs602662	A	GG	-/-	
G6PD	rs1050828	T	CC	-/-	
G6PD	rs1050829	C	TT	-/-	
GAD1	rs2241165	С	TT	-/-	
GAD1	rs3749034	Α	GG	-/-	
GAD1	rs3791850	Α	GG	-/-	
GAD1	rs3828275	T	CC	-/-	
GAD1	rs701492	Т	TT	+/+	Increased risk of anxiety/altered gut function
GAD1	rs769395	G	GG	+/+	Increased risk of anxiety/altered gut function
GAD2	rs1805398	T	TT	+/+	Increased risk of anxiety/altered gut function

GAMT	rs17851582	Α	GG	-/-	
MAOA	rs6323	G	TT	-/-	Decreased breakdown of serotonin
MAOB	rs1799836	С	CC	+/+	Increased breakdown of Dopamine/histamine
MTHFD1	rs2236225	Α	AA	+/+	Increased need for choline
MTHFD1L	rs11754661	Α	GG	-/-	
MTHFD1L	rs17349743	С	CC	+/+	Increased need for choline
MTHFD1L	rs6922269	Α	AG	+/-	Increased need for choline
MTHFD1L	rs803422	Α	GG	-/-	
MTHFR	rs1476413	T	CC	-/-	
MTHFR	rs17037390	Α	GG	-/-	
MTHFR	rs17037396	T	CC	-/-	
MTHFR	rs17367504	G	AA	-/-	
MTHFR	rs2066470	A	GG	-/-	
MTHFR	rs2274976	T	CC	-/-	
MTHFR A1298C	rs1801131	G	TT		
MTHFR C677T	rs1801133	A	GG		
MTHFS	rs6495446	T	CC	-/-	
MTR A2756G	rs1805087	G	AA	-/-	In account a condition Vita units D12
MTRR	rs10380	T	CT AG	+/- +/-	Increased need for Vitamin B12 Increased need for Vitamin B12
MTRR MTRR A664A	rs1801394	G			Increased need for Vitamin B12
MTRR R415T	rs1802059 rs2287780	A T	AG CC	+/- -/-	increased need for vitamin B12
NOS2	rs2297518	A	AG	+/-	
NOS3	rs1800779	G	AG	+/-	
NOS3	rs2070744	C	CT	+/-	
NOS3	rs7830	T	GT	+/-	
PEMT	rs4244593	T	GT	+/-	Increased need for choline
SOD2	rs2758331	A	CC	-/-	increased need for chomic
SOD2	rs4880	G	AA		
SOD3	rs2855262	С	CT	+/-	
TCN1	rs526934	G	AA	-/-	
TCN2	rs1801198	G	CC	-/-	
TYMSOS	rs502396	T	CT	+/-	
VDR BSM	rs1544410	T	CT	+/-	Increased need for Vitamin D
VDR TAQ	rs731236	G	AG	+/-	Increased need for Vitamin D
		G TOCHONDRIAL FUN	AG		
			AG CTION Genotype	+/- Phenotype	
VDR TAQ SNP ATP5C1	MI	TOCHONDRIAL FUN	AG CTION Genotype CT	+/- Phenotype +/-	
SNP ATP5C1 ATP5C1	MI rsID	TOCHONDRIAL FUN Minor Allele	AG CTION Genotype CT AG	+/- Phenotype +/- +/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2	rs1D rs1244414 rs2778475 rs1024611	TOCHONDRIAL FUN Minor Allele T A G	AG CTION Genotype CT AG AG	+/- Phenotype +/- +/- +/-	Increased need for Vitamin D Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2 COX6C	rsID rs1244414 rs2778475 rs1024611 rs4626565	TOCHONDRIAL FUN Minor Allele T A G C	AG CTION Genotype CT AG AG TT	+/- Phenotype +/- +/- +//-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530	TOCHONDRIAL FUN Minor Allele T A G C T	AG CTION Genotype CT AG AG TT CC	+/- Phenotype +/- +/- +//-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067	TOCHONDRIAL FUN Minor Allele T A G C T A	AG CTION Genotype CT AG AG TT CC CC	+/- Phenotype +/- +/- +////-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913	TOCHONDRIAL FUN Minor Allele T A G C T A G C	AG CTION Genotype CT AG AG TT CC CC GG	+/- Phenotype +/- +/- +////- +/+	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS7 NDUFS8	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739	TOCHONDRIAL FUN Minor Allele T A G C T A G C T A G C T A G C	AG CTION Genotype CT AG AG TT CC CC GG CC	+/- Phenotype +/- +/- +////- +/+ +/+	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626	TOCHONDRIAL FUN Minor Allele T A G C T A G C T C C C C C C	AG CTION Genotype CT AG AG TT CC CC GG CC CT	+/- Phenotype +/- +/- +////- +/+ +/+	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 NDUFS8	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776	TOCHONDRIAL FUN Minor Allele T A G C T A G C C T C C C C C	AG CTION Genotype CT AG AG TT CC CC CC GG CC CT AA	+/- Phenotype +/- +/- +////- +/+ +/+ -/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266	TOCHONDRIAL FUN Minor Allele T A G C T A G C C T C C C C C	AG CTION Genotype CT AG AG TT CC CC CC GG CC CT AA CT	+/- Phenotype +/- +/- +////- +/+ +/- +/- +/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 NDUFS8	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C T C C C C C C	AG CTION Genotype CT AG AG TT CC CC GG CC CT AA CT TT	+/- Phenotype +/- +/- +////- +/+ +/+ -/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C C C C T T C C C C C C C	AG CTION Genotype CT AG AG TT CC CC CC GG CC CT AA CT TT TORS	+/- Phenotype +/- +/- +////- +/+ +/+ +//	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C C C C C T T A G C C C C C C C C C C C C C C C C C C	AG CTION Genotype CT AG AG AG TT CC CC CC CC GG CC TT AA CT TT TORS Genotype	+/- Phenotype +/- +/- +////- +/+ +///-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C C Minor Allele T	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC TT AA CT TT TORS Genotype GT	+/- Phenotype +/- +/- +////- +/+ +///-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C Minor Allele T C	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC TT AA CT TT TORS Genotype GT TT	+/- Phenotype +/- +/- +////- +/+ +///-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased risk of hypertension
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C C T Minor Allele T C T	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC TT AA CT TT TORS Genotype GT TT	+/- Phenotype +/- +/- +////- +/+ +///-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C T Minor Allele T C T G	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC TT AA CT TT TORS Genotype GT TT TAA	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased risk of hypertension
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C T Minor Allele T C T G A	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC TT AA CT TT TORS Genotype GT TT TT AA GG	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -///////-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C T Minor Allele T C T G	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AA CT TT TORS Genotype GT TT TT AA GG AG	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -/- +/+ -/- +/+ -/- +/+	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased risk of hypertension
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C T Minor Allele T C T G A G	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC TT AA CT TT TORS Genotype GT TT TT AA GG	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -//- +/+ -////-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C T Minor Allele T C T G A G T	AG CTION Genotype CT AG AG AG TT CC CC GG CC CT AA CT TT TORS Genotype GT TT TT AA GG AG GG AG GG	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -/- +/+ -/- +/+ -/- +/+	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109 MEFV	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844 rs3743930	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C THER IMMUNE FAC Minor Allele T C T G A G G T	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AA CT TT TORS Genotype GT TT TT AA GG AG GG CC GG GG	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -/- +//- +/+ -/- +//- +//- +//- +/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109 MEFV	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844 rs3743930	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C T Minor Allele T C T G A G T G A	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AAA CT TT TORS Genotype GT TT TT AA GG AG GG CC GG CC CT ST TT TT CORS GENOTYPE GT TT TT AAA GG AG GG CC CG	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//- Phenotype +//- +/+ -/- +//- +/+ -/- +//- +//- +//- +/-	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109 MEFV TNF	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844 rs3743930 rs1800629	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C T Minor Allele T C T G A G G T G A G SULFOTRANSFERA	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AA CT TT TORS Genotype GT TT TT AA GG AG GG CC GG GG CC CT	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//	Increased need for Vitamin D Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109 MEFV TNF	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844 rs3743930 rs1800629	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C THER IMMUNE FAC Minor Allele T C T G A G G T G A G SULFOTRANSFERA Minor Allele	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AA CT TT TORS Genotype GT TT TT AA GG AG GG CC CG CG CT TT TT TT CT CT CT CT CT CT CT CT CT	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//	Increased need for Witamin D Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy Increased risk of immune dysfunction and inflammation
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109 MEFV TNF SNP SULT2A1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844 rs3743930 rs1800629 rsID rs4D	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C THER IMMUNE FAC Minor Allele T C T G A G SULFOTRANSFERA Minor Allele C	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AAA CT TT TORS Genotype GT TT TT AA GG AG GG CC CG CT TT TT CORS CC CT TT TT CC TORS CC CT CC CT CC CT CC CT CC CC CT CC CC	+/- Phenotype +/- +/- +/- +////- +/+ +/+ +//	Increased need for Vitamin D Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy Increased risk of immune dysfunction and inflammation Decreased phase 2 liver detoxification
SNP ATP5C1 ATP5C1 CCL2 COX6C NDUFS7 NDUFS7 NDUFS7 NDUFS8 NDUFS8 NDUFS8 SLC19A1 UQCRC2 SNP ADD1 APOE ATG16L1 HLA-DRB1 IL13 IL4R KIAA1109 MEFV TNF SNP SULT2A1 SULT2A1	rsID rs1244414 rs2778475 rs1024611 rs4626565 rs1142530 rs11666067 rs7254913 rs1104739 rs2075626 rs4147776 rs1051266 rs6497563 rsID rs4961 rs429358 rs10210302 rs660895 rs20541 rs1801275 rs6822844 rs3743930 rs1800629 rsID rs2547231 rs2910393	TOCHONDRIAL FUN Minor Allele T A G C T A G C C C C C C C Minor Allele T C T G A G G T G A G T G A SULFOTRANSFERA Minor Allele C T	AG CTION Genotype CT AG AG AG TT CC CC CC GG CC CT AA CT TT TORS Genotype GT TT TT AA GG AG GG CC CG CG CT TT TT TT CT CT CT CT CT CT CT CT CT	+/- Phenotype +/- +/- +/- +/////- +/+ +//	Increased need for Vitamin D Increased need for mitochondrial support especially COq10 Increased need for mitochondrial support especially COq11 Increased need for mitochondrial support especially COq12 Increased need for folate Increased need for folate Increased gut permeability and reduced autophagy Increased risk of immune dysfunction and inflammation Decreased phase 2 liver detoxification

		THYROID			
SNP	rsID	Minor Allele	Genotype	Phenotype	
CTLA4	rs231775	G	AG	+/-	Increased risk of thyroid dysfunction
FOXE1	rs10984009	Α	GG	-/-	
CND	no ID	BIOHACKING DIE		Dhanatana	
SNP	rsID	Minor Allele	Genotype	Phenotype	
ABCG8	rs4299376	G	GT	+/-	Increased risk of high cholesterol and gallblader dysfunction
ABCG8	rs6544713	T	CT	+/-	Increased risk of high cholesterol and gallblader dysfunction
ACE	rs4351	G	GG	+/+	Increased risk of hypertension
ACE DEL16	rs4343	G	GG	+/+	Increased risk of hypertension
ADIPOQ	rs17366568	Α	AA	+/+	Decreased blood sugar regulation
ADRB2	rs1042713	Α	AG	+/-	Increased risk of Athsma and type 2 diabetes
ADRB2	rs1042714	G	CG	+/-	Increased risk of Athsma and type 2 diabetes
ADRB3	rs4994	G	AA	-/-	
ANKK1	rs1800497	Α	AG	+/-	Increased risk of high cholesterol
APOA2	rs5082	G	AG	+/-	Increased risk of high cholesterol
APOA5	rs662799	G	AA	-/-	
APOB	rs1367117	Α	AG	+/-	Increased risk of high cholesterol
APOE	rs429358	С	TT	-/-	
APOE	rs7412	T	CC	-/-	
FABP2	rs11724758	Α	GG	-/-	
FTO	rs1121980	Α	AG	+/-	Decreased blood sugar regulation
FTO	rs9939609	Α	AT	+/-	Decreased blood sugar regulation
FTO	rs9940128	Α	AG	+/-	Decreased blood sugar regulation
IGF1	rs35767	Α	GG	-/-	
MCM6	rs182549	T	CT	+/-	Likely lactose tolerant
MCM6	rs4988235	Α	AG	+/-	Likely lactose tolerant
MIR4761 (COMT V15	58M) rs4680	Α	GG	-/-	
PPARD	rs2267668	G	AA	-/-	
PPARG	rs1801282	G	CC	-/-	
PPARGC1A	rs8192678	Т	CC	-/-	
SLC2A2	rs5400	Α	GG	-/-	
SNP?	rs17782313	С	TT	-/-	
SNP?	rs2943634	Α	CC	-/-	
TAS2R38	rs1726866	Α	AG	+/-	Increased desire for sweet foods and lack of satiety
TNF	rs1800629	Α	GG	-/-	· ·
		IRON DISREGULAT	ON		
SNP	rsID	Minor Allele	Genotype	Phenotype	
G6PD	rs1050828	T	CC	-/-	
G6PD	rs1050829	С	TT	-/-	
G6PD	rs2230037	Α	AG	+/-	
G6PD	rs5030868	Α	GG	-/-	
HFE	rs1799945	G	CC	-/-	Not a carrier for genetic hemochromotosis
HFE	rs1800562	Α	GG	-/-	Not a carrier for genetic hemochromotosis
HFE	rs2071303	С	CT	+/-	Possible iron dysregulation
HFE	rs2794719	G	GG	+/+	Possible iron dysregulation
HFE	rs9366637	Т	CT	+/-	Possible iron dysregulation
SNP?	rs235756	G	AG	+/-	Possible iron dysregulation
SOD2	rs4880	G	AA	-/-	, ,
		LECTIN TOLERAN			
SNP	rsID	Minor Allele	Genotype	Phenotype	
CNR1	rs1049353	T	TT	+/+	Sensitivity to lectins
		PAMINE BETA HYDRO			
SNP	rsID	Minor Allele	Genotype	Phenotype	
DBH	***1100F00	G	AG	+/-	Decreased conversion of dopamine to adrenaline
חסט	rs1108580	U			
			CT		· ·
DBH DBH	rs1611115 rs4531	T T		+/-	Decreased conversion of dopamine to adrenaline