

## ALLERGY

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	HLA	rs2155219	G	GT	+/-
2	HLA	rs7775228	C	TT	-/-

## CLOTTING FACTORS

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	CETP	rs1800775	C	AA	-/-
2	CYP4V2	rs13146272	C	AC	+/-
3	F10	rs3211719	G	AG	+/-
4	F11	rs2289252	T	TT	+/+
5	F11	rs2036914	T	CC	-/-
6	F12	rs1801020	A	AA	+/+
7	F3	rs1324214	A	GG	-/-
8	F5	rs6025	T	CC	-/-
9	F7	rs6046	T	GG	-/-
10	F9	rs6048	G	AA	-/-
11	GP6	rs1613662	G	AA	-/-
12	HRG	rs9898	T	CC	-/-
13	ITGB3	rs5918	C	TT	-/-
14	KNGI598T	rs2731672	T	TT	+/+
15	NR1I2	rs1523127	C	AC	+/-
16	SERPINC1	rs2227589	T	CC	-/-

## DETOX

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	CTH	rs1021737	T	GT	+/-
2	CYP1A1	rs4986883	C	TT	-/-
3	CYP1A1	rs1799814	T	GG	-/-
4	CYP1A1	rs1048943	G	TT	-/-
5	CYP1A2	rs762551	C	AC	+/-
6	CYP1B1 L432V	rs1056836	G	CG	+/-
7	CYP1B1 N453S	rs1800440	C	TT	-/-
8	CYP1B1 R48G	rs10012	G	GG	+/+

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9	CYP2A6*2 A1799T	rs1801272	A	AA	+/+
10	CYP2C19	rs12248560	T	CC	-/-
11	CYP2C9	rs1057910	C	AA	-/-
12	CYP2C9*2 C430T	rs1799853	T	CC	-/-
13	CYP2D6	rs1065852	A	AA	+/+
14	CYP2D6	rs1135840	G	GG	+/+
15	CYP2D6 T2850C	rs16947	A	GG	-/-
16	CYP2E1	rs55897648	A	GG	-/-
17	CYP2E1*1B G9896C	rs2070676	G	CC	-/-
18	CYP2E1*4 A4768G	rs6413419	A	GG	-/-
19	CYP3A4	rs4986910	G	AA	-/-
20	CYP3A4	rs2740574	C	TT	-/-
21	CYP3A4	rs12721627	C	GG	-/-
22	CYP3A4*2 S222P	rs55785340	G	AA	-/-
23	GPX3	rs8177412	C	CT	+/-
24	GSTM1	rs4147565	A	GG	-/-
25	GSTM1	rs1056806	T	CT	+/-
26	GSTM1	rs2239892	G	AG	+/-
27	GSTM1	rs4147567	G	AA	-/-
28	GSTP1	rs1695	G	AG	+/-
29	GSTP1	rs1138272	T	CC	-/-
30	NAT1	rs4986782	A	GG	-/-
31	NAT2	rs1208	G	AA	-/-
32	NAT2	rs1801280	C	TT	-/-
33	NAT2	rs1799931	A	GG	-/-
34	NAT2	rs1799930	A	GG	-/-
35	NAT2	rs1801279	A	GG	-/-

## GLUTEN INTOLERANCE

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	HLA	rs2858331	G	AA	-/-
2	HLA-DQA1	rs2187668	T	CC	-/-

## IGA

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	CFH	rs6677604	A	GG	-/-
2	HLA	rs9271366	G	AA	-/-
3	HLA-DPB2 / COL11A2P	rs1883414	A	GG	-/-
4	HLA-DQA2	rs9275224	A	GG	-/-
5	HORMAD2	rs2412971	A	AA	+/+
6	IFIH1	rs1990760	T	CT	+/-
7	IGF1R	rs2229765	A	AG	+/-
8	IRF5	rs4728142	A	GG	-/-
9	MTC03P1	rs9275596	C	TT	-/-
10	MTC03P1	rs2856717	A	GG	-/-
11	PSMB8	rs9357155	A	GG	-/-
12	TRAF1	rs3761847	G	AA	-/-

## IGE

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	C3	rs366510	G	TT	-/-
2	C3	rs10402876	C	CC	+/+
3	CD14	rs2569191	C	CT	+/-
4	DARC	rs2814778	C	TT	-/-
5	FCER1A	rs2427837	A	GG	-/-
6	FCER1A	rs2494262	A	AC	+/-
7	FCER1A	rs2427827	T	CT	+/-
8	FCER1A	rs2427824	T	CT	+/-
9	FCER1A	rs2251746	C	TT	-/-
10	FCER1A / OR10J2P	rs10489854	T	CT	+/-
11	IL13	rs1800925	T	CC	-/-
12	IL13	rs1295685	A	AG	+/-
13	IL5	rs2069812	G	AG	+/-
14	RAD50	rs6884762	T	CC	-/-
15	RAD50	rs17772565	T	CT	+/-
16	RAD50	rs17772583	G	AA	-/-
17	RAD50	rs2040704	G	AA	-/-
18	RAD50	rs2240032	T	CC	-/-
19	RAG1	rs3740955	A	AG	+/-

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20	SOCS1	rs33977706	A	CC	-/-

## IGG

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	FCGR2A	rs1801274	G	AG	+/-
2	GSTM3	rs7483	T	CT	+/-
3	Intergenic	rs2013111	C	CC	+/+
4	MUC21	rs1634731	G	AA	-/-
5	TBC1D27	rs3751987	A	AG	+/-
6	TNFRSF13B	rs4792800	G	AG	+/-

## METHYLATION

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	ACAT1	rs3741049	A	AA	+/+
2	ACE Del16	rs4343	G	AA	-/-
3	AGT M235T/C4072T	rs699	A	AG	+/-
4	AHCY-01	rs819147	C	CT	+/-
5	AHCY-02	rs819134	G	AG	+/-
6	AHCY-19	rs819171	C	CT	+/-
7	ATG9B (NOS3 G10T)	rs7830	T	GG	-/-
8	BHMT R239Q	rs3733890	A	AG	+/-
9	BHMT-02	rs567754	T	CT	+/-
10	BHMT-04	rs617219	C	AC	+/-
11	BHMT-08	rs651852	T	TT	+/+
12	C18orf56 (TYMS)	rs502396	T	CT	+/-
13	CBS A13637G	rs2851391	T	CT	+/-
14	CBS A360A	rs1801181	A	AG	+/-
15	CBS C19150T	rs4920037	A	GG	-/-
16	CBS C699T	rs234706	A	GG	-/-
17	CBS N212N	rs2298758	A	GG	-/-
18	CLCN6	rs3737964	T	CT	+/-
19	CLCN6	rs13306560	T	CC	-/-
20	CLCN6	rs13306561	G	AA	-/-

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21	DAO	rs3741775	C	CC	+/+
22	DAO	rs2070586	A	AG	+/-
23	DAO	rs2111902	G	GT	+/-
24	DHFR	rs1643649	C	TT	-/-
25	FOLR1	rs2071010	A	GG	-/-
26	FOLR2	rs651933	G	GG	+/+
27	FOLR3	rs7926875	A	CC	-/-
28	FOLR3	rs7925545	G	AA	-/-
29	FUT2	rs602662	A	GG	-/-
30	FUT2	rs601338	A	GG	-/-
31	FUT2	rs492602	G	AA	-/-
32	G6PD	rs1050828	T	CC	-/-
33	G6PD	rs1050829	C	TT	-/-
34	GAD1	rs2241165	C	CT	+/-
35	GAD1	rs12185692	A	CC	-/-
36	GAD1	rs701492	T	CC	-/-
37	GAD1	rs3828275	T	CC	-/-
38	GAD1	rs2058725	C	TT	-/-
39	GAD1	rs769407	C	GG	-/-
40	GAD1	rs10432420	A	AA	+/+
41	GAD1	rs3791851	C	TT	-/-
42	GAD1	rs3749034	A	AG	+/-
43	GAD1	rs3791878	T	GG	-/-
44	GAD1	rs769395	G	AA	-/-
45	GAD1	rs3791850	A	GG	-/-
46	GAD2	rs1805398	T	GG	-/-
47	GAMT	rs55776826	T	CC	-/-
48	GAMT	rs17851582	A	GG	-/-
49	GIF	rs558660	A	AG	+/-
50	MAO A R297R	rs6323	G	GT	+/-
51	MAOB	rs1799836	C	TT	-/-
52	MIR4761 (COMT -61 P199P)	rs769224	A	AG	+/-
53	MIR4761 (COMT H62H)	rs4633	T	CC	-/-
54	MIR4761 (COMT V158M)	rs4680	A	GG	-/-
55	MIR4761 (COMT)	rs6269	G	GG	+/+
56	MTHFD1 C105T	rs1076991	T	CT	+/-
57	MTHFD1 G1958A	rs2236225	A	GG	-/-

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58	MTHFD1L	rs17349743	C	CT	+/-
59	MTHFD1L	rs11754661	A	GG	-/-
60	MTHFD1L	rs6922269	A	GG	-/-
61	MTHFD1L	rs803422	A	GG	-/-
62	MTHFR	rs12121543	A	AC	+/-
63	MTHFR	rs4846049	T	GT	+/-
64	MTHFR	rs17037390	A	GG	-/-
65	MTHFR	rs1476413	T	CT	+/-
66	MTHFR	rs17037396	T	CC	-/-
67	MTHFR (LOC100506310)	rs4846048	G	AG	+/-
68	MTHFR 03 P39P	rs2066470	A	GG	-/-
69	MTHFR A1298C	rs1801131	G	GT	+/-
70	MTHFR A1572G	rs17367504	G	AA	-/-
71	MTHFR C677T	rs1801133	A	GG	-/-
72	MTHFR G1793A (R594Q)	rs2274976	T	CC	-/-
73	MTHFS	rs6495446	T	CC	-/-
74	MTR A2756G	rs1805087	G	AA	-/-
75	MTRR A66G	rs1801394	G	AG	+/-
76	MTRR H595Y	rs10380	T	CC	-/-
77	MTRR K350A	rs162036	G	AA	-/-
78	MTRR R415T	rs2287780	T	CC	-/-
79	MTRR-11 A664A	rs1802059	A	GG	-/-
80	NOS1	rs3782206	T	CC	-/-
81	NOS2	rs2297518	A	GG	-/-
82	NOS2	rs2274894	T	GT	+/-
83	NOS2	rs2248814	A	AG	+/-
84	NOS3	rs1800779	G	AA	-/-
85	NOS3	rs3918188	A	AC	+/-
86	NOS3	rs1800783	A	TT	-/-
87	NOS3 T786C	rs2070744	C	TT	-/-
88	PEMT	rs4646406	T	TT	+/+
89	PEMT	rs4244593	T	GT	+/-
90	SHMT1 C1420T	rs1979277	A	GG	-/-
91	SLC19A1	rs1888530	C	CT	+/-
92	SLC19A1	rs3788200	A	AG	+/-
93	SOD2	rs4880	G	AA	-/-
94	SOD2	rs2758331	A	CC	-/-

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95	SOD3	rs2855262	C	CC	+/+
96	TCN1	rs526934	G	AA	-/-
97	TCN2 C766G	rs1801198	G	CG	+/-
98	VDR Bsm	rs1544410	T	CC	-/-

## MITOCHONDRIAL FUNCTION

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	ATP5C1	rs1244414	T	CC	-/-
2	ATP5C1	rs2778475	A	GG	-/-
3	ATP5C1	rs12770829	T	CC	-/-
4	ATP5C1	rs1244422	T	CC	-/-
5	ATP5C1	rs4655	C	TT	-/-
6	ATP5G3	rs36089250	C	TT	-/-
7	ATP5G3	rs185584	G	AA	-/-
8	CCL2	rs1024611	G	AA	-/-
9	COX5A	rs8042694	G	AA	-/-
10	COX6C	rs7844439	A	CC	-/-
11	COX6C	rs4626565	C	TT	-/-
12	COX6C	rs12544943	G	AA	-/-
13	COX6C	rs7828241	C	AA	-/-
14	COX6C	rs4510829	A	GG	-/-
15	COX6C	rs1135382	A	GG	-/-
16	NDUFS3	rs4147731	A	GG	-/-
17	NDUFS3	rs4147730	A	AG	+/-
18	NDUFS3 (KBTBD4)	rs2233354	C	TT	-/-
19	NDUFS7	rs2332496	A	AG	+/-
20	NDUFS7	rs7258846	T	GT	+/-
21	NDUFS7	rs7254913	G	AG	+/-
22	NDUFS7	rs2074895	A	AC	+/-
23	NDUFS7	rs1142530	T	CT	+/-
24	NDUFS7	rs11666067	A	AC	+/-
25	NDUFS7	rs809359	G	AG	+/-
26	NDUFS8	rs1122731	A	GG	-/-
27	NDUFS8	rs2075626	C	TT	-/-
28	NDUFS8	rs3115546	G	TT	-/-

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29	NDUFS8	rs4147776	C	AA	-/-
30	NDUFS8	rs999571	A	GG	-/-
31	NDUFS8	rs1051806	T	CC	-/-
32	NDUFS8	rs1104739	C	AA	-/-
33	SLC19A1	rs1051266	C	CT	+/-
34	UQCRC2	rs4850	A	GG	-/-
35	UQCRC2	rs6497563	C	CC	+/+
36	UQCRC2	rs11648723	T	GG	-/-

## OTHER IMMUNE FACTORS

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	4q27 Region	rs6822844	T	GG	-/-
2	ADD1 G460W	rs4961	T	TT	+/+
3	APOE	rs429358	C	—	NC
4	ATG16L1	rs10210302	T	CT	+/-
5	HLA-DRB1	rs660895	G	GG	+/+
6	IL13	rs20541	A	AG	+/-
7	IL4R	rs1801275	G	AG	+/-
8	MEFV	rs11466023	A	GG	-/-
9	MEFV	rs3743930	C	CC	+/+
10	STAT4	rs10181656	G	CC	-/-
11	TNF	rs361525	A	GG	-/-
12	TNF	rs1800629	A	GG	-/-
13	TYR	rs28940879	C	GG	-/-

## SULFOTRANSFERASE

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	SULT1A1	rs8057055	A	CC	-/-
2	SULT1A1	rs1801030	C	TT	-/-
3	SULT1A1	rs6498090	A	GG	-/-
4	SULT1A1	rs1042157	A	--	NC
5	SULT1A1	rs7192559	T	CC	-/-
6	SULT1A1	rs9282862	C	TT	-/-



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7	SULT1A1	rs7193599	C	AA	-/-
8	SULT1A1	rs4149381	G	TT	-/-
9	SULT2A1	rs2910393	T	CC	-/-
10	SULT2A1	rs4149448	G	AA	-/-
11	SULT2A1	rs8113396	G	AA	-/-
12	SULT2A1	rs4149452	T	TT	+/+
13	SULT2A1	rs296366	T	CC	-/-
14	SULT2A1	rs11083907	A	GG	-/-
15	SULT2A1	rs2547231	C	AA	-/-
16	SULT2A1	rs296365	G	GG	+/+
17	SULT2A1	rs2547242	C	TT	-/-
18	SULT2A1	rs11569679	T	CC	-/-
19	SULT2A1	rs4149449	T	CC	-/-

## THYROID

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	CTLA4	rs231775	G	AA	-/-
2	FOXE1	rs1867277	A	GG	-/-
3	FOXE1	rs10984009	A	GG	-/-
4	FOXE1	rs7043516	C	AA	-/-

## TONGUE TIE

	Gene	rsID	Minor Allele	Genotype	Phenotype
1	IRF6	rs861020	A	AG	+/-
2	IRF6	rs987525	A	CC	-/-
3	RARA	rs9904270	T	CT	+/-
4	RARA	rs7217852	G	AG	+/-
5	TBX22	rs41307258	A	TT	-/-