

Report Summary

1365

Total Variants

25

Categories

12

Pathway Figures

226

High Risk (+/+)

492

Moderate Risk (+/-)

647

Low Risk (-/-)

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HLA

IgA

IgE

IgG

Iron Uptake & Transport

Liver Detox - Phase I

Liver Detox - Phase II

Methylation & Methionine/Homocysteine Pathways

Mitochondrial Function

Molybdenum

Neurotransmitter Pathway: Glutamate & GABA

Neurotransmitter Pathway: Serotonin & Dopamine

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Pentose Phosphate Pathway

Thiamin/Thiamine Degradation

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Alzheimers/Cardio/Lipid

99 variants found 16 12 71

Risk Summary: 16 high risk variants, 12 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs11591147	PCSK9 R46L	T	GG	-/-
rs3917643	F3 94997288 A10547G	C	TT	-/-
rs6025	F5 Factor V Leiden FVL	T	CT	+/-
rs2227589	SERPINC1 G5301A	T	CC	-/-
rs6656401	CR1 A27577G	A	GG	-/-
rs63750048	PSEN2 Ala85Val	T	CC	-/-
rs63749851	PSEN2 Thr122Pro	C	AA	-/-
rs63750197	PSEN2 Ser130Leu	T	CC	-/-
rs61757781	PSEN2 Met174Val	G	AA	-/-
rs28936379	PSEN2 Met239Val	G	AA	-/-
rs63749884	PSEN2 Met239Ile	A	GG	-/-
rs63750666	PSEN2 Thr429Met	T	CC	-/-
rs63750110	PSEN2 Asp438Ala	C	AA	-/-
rs1523127	NR1I2 C6709A	A	AA	+/+
rs1049296	TF C34378T	C	CC	+/+
rs1803274	BCHE CHE*539T	T	CC	-/-
rs1799807	BCHE A98G	T	TT	+/+
rs9898	HRG Pro204Ser	C	CC	+/+
rs13133980	APBB2 G41002946C	C	CC	+/+
rs13146272	CYP4V2 Q259K	C	CC	+/+
rs2289252	F11 C25264T	C	CC	+/+
rs12514426	WWC1 G179644A	A	GG	-/-
rs2731672	KNG I598T GP IIIa HPA-1	T	CC	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1799945	HFE H63D	G	CC	-/-
rs1800562	HFE C282Y	A	AG	+/-
rs11754661	MTHFD1L G25264A	G	GG	+/+
rs2069837	IL6 A6262G	G	AA	-/-
rs11136000	CLU A58V	C	CT	+/-
rs4986790	TLR4 D299G	G	AA	-/-
rs908832	ABCA2 T15891C	A	GG	-/-

Alzheimers/Cardio/Lipid

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1880676	CHAT Asp7Asn	A	AG	+/-
rs1937	TFAM Ser12Thr	C	GG	-/-
rs6583817	IDE G91606A	C	CC	+/+
rs3740199	ADAM12 G63103C	C	GG	-/-
rs17571	CTSD A58V	A	GG	-/-
rs11030104	BDNF T64089C	A	AG	+/-
rs5896	F2 C494T	T	CT	+/-
rs2373115	GAB2 G42719T	G	AC	-/-
rs7946599	SORL1 G105680A	A	GG	-/-
rs2298814	SORL1 G106922A	A	GG	-/-
rs6589885	SORL1 G108082A	A	GG	-/-
rs11218342	SORL1 T121434428C	C	TT	-/-
rs1792124	SORL1 A123560G	A	GG	-/-
rs3781835	SORL1 G130294A	A	GG	-/-
rs10892759	SORL1 G146128A	G	GG	+/+
rs726601	SORL1 C163447T	T	CC	-/-
rs11609582	A2M A9242623T	T	AA	-/-
rs12316150	OLR1 T17500A	T	AA	-/-
rs2160525	LRP6 T154522C	A	GG	-/-
rs1012672	LRP6 Cys1270	A	GG	-/-
rs2302685	LRP6 V1062I	C	TT	-/-
rs2248663	RNF219 T79207588C	C	TT	-/-
rs6046	F7 A353G Arg329Gln	A	GG	-/-
rs3211719	F10 113777509 A5397C	A	AA	+/+
rs63749824	PSEN1 Ala75Val	T	CC	-/-
rs63750599	PSEN1 Leu81Pro	C	TT	-/-
rs63750815	PSEN1 Val85Leu	T	GG	-/-
rs63751037	PSEN1 Met135Val	G	AA	-/-
rs63750590	PSEN1 His159Arg	G	AA	-/-
rs63750577	PSEN1 Ser166Phe	T	CC	-/-

Alzheimers/Cardio/Lipid

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs63751144	PSEN1 Leu170Met	A	CC	-/-
rs63751068	PSEN1 Gly179Val	T	GG	-/-
rs63750526	PSEN1 Ala242Glu	A	CC	-/-
rs63751163	PSEN1 Leu246Ser	C	TT	-/-
rs63751320	PSEN1 Tyr252Ser	C	AA	-/-
rs3025786	PSEN1 T66540C	C	TT	-/-
rs63751229	PSEN1 Pro263Ser	T	CC	-/-
rs63750900	PSEN1 Arg265His	A	GG	-/-
rs63751235	PSEN1 Leu282Val	G	CC	-/-
rs17125721	PSEN1 Glu314Gly	G	AA	-/-
rs63751223	PSEN1 Ala422Pro	C	GG	-/-
rs8702	KLC1 C.*396G	C	GG	-/-
rs1800775	CETP C4402A	C	CC	+/+
rs5882	CETP I405V	A	AA	+/+
rs5470	HP C72088421G	C	CC	+/+
rs242557	MAPT A52950A	A	GG	-/-
rs5918	ITGB3 P1A2/T196C	C	CT	+/-
rs1800458	TTR Gly26Ser	A	GG	-/-
rs3764650	ABCA7 T1046520G	G	TT	-/-
rs688	LDLR Asn464	T	CT	+/-
rs6859	PVRL2 A37642G	A	AG	+/-
rs157580	TOMM40 G45395266A	G	AG	+/-
rs440446	APOE IVS1+69	C	CG	+/-
rs28931576	APOE A178G	G	AA	-/-
rs429358	APOE ApoE epsilon 4	C	TT	-/-
rs28931578	APOE G455A	A	GG	-/-
rs769455	APOE C8002T	T	CC	-/-
rs7412	APOE APOE epsilon 2	T	CC	-/-
rs1613662	GP6 Pro219Ser	G	AA	-/-
rs1042580	THBD A7681G	C	CT	+/-

Alzheimers/Cardio/Lipid

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs63749964	APP Val586Gly	C	AA	-/-
rs63750399	APP Ile698Val	C	TT	-/-
rs63750734	APP Val697Met	T	CC	-/-
rs63750973	APP Thr696Ile	A	GG	-/-
rs63750643	APP Thr696Ala	C	TT	-/-
rs63750066	APP Ala695Thr	T	CC	-/-
rs63750671	APP Ala674Gly	G	GG	+/+
rs63750847	APP Ala655Thr	T	CC	-/-
rs63750363	APP Glu647Asp	C	CC	+/+

COMT Activity

130 variants found 20 50 60

(See Figure 4)

Risk Summary: 20 high risk variants, 50 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1800440	CYP1B1 N453S	T	TT	+/+
rs1056836	CYP1B1 L432V	C	CC	+/+
rs10012	CYP1B1 R48G	G	CG	+/-
rs9824856	DRD3 G50169T	A	AA	+/+
rs9288993	DRD3 T43727C	G	AA	-/-
rs963468	DRD3 C40013T	A	AG	+/-
rs3773678	DRD3 T32822C	G	GG	+/+
rs2630349	DRD3 T29528C	G	GG	+/+
rs2630351	DRD3 T27841C	A	GG	-/-
rs167771	DRD3 C26625T	A	AG	+/-
rs324029	DRD3 T21277C	A	AG	+/-
rs10934256	DRD3 G17248T	A	CC	-/-
rs1486009	DRD3 T14368C	A	AG	+/-
rs6280	DRD3 G25A	T	CT	+/-
rs686	DRD1 C7464T	A	AG	+/-
rs4532	DRD1 G6014A	C	CT	+/-
rs5326	DRD1 G5968A	T	CC	-/-
rs265981	DRD1 T5262C	A	AG	+/-
rs1611115	DBH variant	T	CT	+/-
rs2007153	DBH T7335C	T	CT	+/-
rs2519155	DBH T8114C	T	CT	+/-
rs1108580	DBH A486G	A	AG	+/-
rs1108581	DBH A8757G	G	AA	-/-
rs2873804	DBH T9160C	T	CT	+/-
rs5324	DBH G12174A	A	GG	-/-
rs1611123	DBH C12599T	T	CT	+/-
rs1611125	DBH C12828T	T	CT	+/-
rs4531	DBH G952T	T	GG	-/-
rs2519152	DBH T13150C	C	CT	+/-
rs1541332	DBH G15032A	A	AG	+/-

COMT Activity

(See Figure 4)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2519154	DBH T15791C	C	CT	+/-
rs2797853	DBH T16031C	T	CT	+/-
rs2283123	DBH C18813T	T	CC	-/-
rs77905	DBH A1410G	A	AG	+/-
rs2097628	DBH T2145C	A	AA	+/+
rs11599164	ANK3 C666301A	T	GG	-/-
rs9804190	ANK3 G658454A	C	CC	+/+
rs10761482	ANK3 T62085337C	C	CC	+/+
rs10994336	ANK3 G318473A	T	CT	+/-
rs1938526	ANK3 T197902C	G	AG	+/-
rs3758653	DRD4 T4095C	C	TT	-/-
rs916457	DRD4 C4710T	T	CC	-/-
rs11246226	DRD4 C8887A	A	AC	+/-
rs2070762	TH T1090C	G	AG	+/-
rs28934580	TH G1010A//R337H	T	CC	-/-
rs28934581	TH A733C	G	TT	-/-
rs6356	TH V112M	T	CT	+/-
rs1800497	ANKK1 E713K	A	GG	-/-
rs2234689	DRD2 C72519G	G	CG	+/-
rs2242592	DRD2 C71572T	G	AG	+/-
rs6277	DRD2 C957T	A	AG	+/-
rs1076560	DRD2 G67314T	A	CC	-/-
rs2283265	DRD2 G65466T	A	CC	-/-
rs2734838	DRD2 T64501C	G	GG	+/+
rs2440390	DRD2 A64124G	C	CC	+/+
rs1079727	DRD2 A61820G	C	TT	-/-
rs1076563	DRD2 T55093G	A	CC	-/-
rs1079597	DRD2 G54716A	T	CC	-/-
rs1079596	DRD2 G54383A	T	CC	-/-
rs1125394	DRD2 A53817G	T	TT	+/+

COMT Activity (See Figure 4)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2471857	DRD2 G52663A	T	CC	-/-
rs4436578	DRD2 G44237A	T	TT	+/+
rs4620755	DRD2 C41383T	A	GG	-/-
rs11214606	DRD2 G41133A	T	CC	-/-
rs4648318	DRD2 A37613G	C	TT	-/-
rs4648319	DRD2 C36639T	G	GG	+/+
rs17529477	DRD2 C33935T	A	AA	+/+
rs4245146	DRD2 A33029G	C	TT	-/-
rs4936270	DRD2 A32594G	T	CC	-/-
rs4274224	DRD2 C31550T	G	GG	+/+
rs4581480	DRD2 G26528A	C	TT	-/-
rs7131056	DRD2 T21228G	A	CC	-/-
rs4648317	DRD2 C19470T	A	GG	-/-
rs4938019	DRD2 A9611G	C	TT	-/-
rs1799978	DRD2 A4651G	T	TT	+/+
rs12364283	DRD2 T4047C	G	AA	-/-
rs1006737	CACNA1C G115699A	A	AA	+/+
rs2159100	CACNA1C C271442T	T	TT	+/+
rs216013	CACNA1C A2729632G	G	AA	-/-
rs2302729	CACNA1C T709021C	T	CC	-/-
rs1801153	PAH G*187A	T	CC	-/-
rs5030861	PAH IVS12+1G>A	T	CC	-/-
rs28934899	PAH R413P	G	CC	-/-
rs5030858	PAH R408W	A	GG	-/-
rs5030857	PAH A403V	A	GG	-/-
rs2245360	PAH C81837T	A	GG	-/-
rs772897	PAH G1155C	G	CC	-/-
rs5030855	PAH IVS10-11G>A	T	CC	-/-
rs5030853	PAH A300S	A	CC	-/-
rs5030852	PAH IVS7+1G>A	T	CC	-/-

COMT Activity

(See Figure 4)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs5030849	PAH G782A	T	CC	-/-
rs1042503	PAH G735A	T	CT	+/-
rs3817446	PAH A55562G	C	CT	+/-
rs1718301	PAH C45188T	A	GG	-/-
rs1522305	PAH C35625G	G	CG	+/-
rs10778209	PAH T32409C	A	GG	-/-
rs11111419	PAH T31338A	T	AT	+/-
rs62507347	PAH A27743C	C	TT	-/-
rs1522307	PAH T17864C	G	AG	+/-
rs5030841	PAH L48S	G	AA	-/-
rs1522296	PAH C5594T	A	AG	+/-
rs2238151	ALDH2 T12488C	T	CT	+/-
rs4648328	ALDH2 C23443T	T	CT	+/-
rs441	ALDH2 T29504C	C	CT	+/-
rs968529	ALDH2 T35023C	C	CT	+/-
rs4646778	ALDH2 C36438A	A	AC	+/-
rs671	ALDH2 G1369A	A	GG	-/-
rs16941667	ALDH2 C45068T	T	CC	-/-
rs1048943	CYP1A1*2C A4889G	T	TT	+/+
rs1799814	CYP1A1*4 C2453A	T	GT	+/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs876493	PNMT G-184A	A	AG	+/-
rs5638	PNMT A456G	G	AA	-/-
rs1544325	COMT A7406G	A	GG	-/-
rs5993883	COMT T13376G	T	GG	-/-
rs4646312	COMT T24075C	C	CT	+/-
rs6269	COMT A-1324G	G	AG	+/-
rs4633	COMT H62H	T	CT	+/-

COMT Activity

(See Figure 4)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2239393	COMT A 26166G	G	AG	+/-
rs740601	COMT T26501G	T	GT	+/-
rs4680	COMT V158M	A	AG	+/-
rs769224	COMT -61 P199P	A	GG	-/-
rs4646316	COMT C27870T	T	CT	+/-
rs165774	COMT G28299A	A	AG	+/-
rs174696	COMT C28914T	C	TT	-/-
rs174699	COMT C30196T	C	TT	-/-
rs9332377	COMT C31430T	T	CC	-/-
rs165599	COMT G*522A	A	AA	+/+

Cannabinoid Pathway

75 variants found 16 30 29

Risk Summary: 16 high risk variants, 30 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2501431	CNR2 G155G	A	GG	-/-
rs2501432	CNR2 G63A	T	TT	+/+
rs16828926	CNR2 G24215130A	A	AA	+/+
rs9424398	CNR2 T24221834G	G	TT	-/-
rs4353135	NLRP3 247617036G>T	T	TT	+/+
rs6672995	NLRP3 247621033G>A	A	AG	+/-
rs10733113	NLRP3 247622357A>G	G	GG	+/+
rs806368	CNR1 T88850100C	T	CT	+/-
rs1049353	CNR1 T453T	T	CC	-/-
rs806369	CNR1 T88856178C	T	CT	+/-
rs806370	CNR1 C88856331T	T	CC	-/-
rs806374	CNR1 T88857320C	T	CC	-/-
rs806375	CNR1 A88858521T	T	AA	-/-
rs806377	CNR1 T88858723C	T	TT	+/+
rs806378	CNR1 C88859551T	T	CC	-/-
rs6454672	CNR1 T88861570C	C	TT	-/-
rs6928813	CNR1 A88861698G	G	AA	-/-
rs9450898	CNR1 C88864063T	T	CC	-/-
rs806380	CNR1 A88864653G	A	AA	+/+
rs12205430	CNR1 T88867925C	C	TT	-/-
rs6454673	CNR1 G88871049A	G	GG	+/+
rs1049742	ABP1/DAO S332P	T	CC	-/-
rs45558339	ABP1 M479I	A	GG	-/-
rs35070995	ABP1 A678H	C	AA	-/-
rs11574129	VDR T66512C	G	AA	-/-
rs3847987	VDR C48238068A	A	AC	+/-
rs739837	VDR C65594A	G	GT	+/-
rs34189316	VDR T416T	A	GG	-/-
rs11574115	VDR T412I	A	GG	-/-
rs731236	VDR TAQ	A	AA	+/+

Cannabinoid Pathway

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs7975232	VDR G64978T	A	AC	+/-
rs757343	VDR C48239675T	T	CT	+/-
rs1544410	VDR VDR:BsmI	T	CC	-/-
rs7967152	VDR A48244184C	C	AC	+/-
rs2239185	VDR G48244559A	A	AG	+/-
rs2239184	VDR C59232T	A	AG	+/-
rs2229828	VDR S198S	A	GG	-/-
rs2248098	VDR T50459C	G	AG	+/-
rs2239182	VDR T48255411C	C	CC	+/+
rs2107301	VDR C48245T	A	GG	-/-
rs2239181	VDR T47866G	C	AC	+/-
rs1540339	VDR G46489A	T	CT	+/-
rs12717991	VDR G44689A	T	CT	+/-
rs886441	VDR G48262964A	G	AG	+/-
rs2189480	VDR C39987A	T	GT	+/-
rs3819545	VDR T38809C	G	AG	+/-
rs3782905	VDR C37648G	C	GG	-/-
rs2239186	VDR T34405C	G	AA	-/-
rs11168275	VDR T48272275C	C	CT	+/-
rs10783218	VDR G48272743A	A	GG	-/-
rs2228570	VDR Fok	G	AA	-/-
rs2254210	VDR G48273714A	A	AG	+/-
rs2238136	VDR C48277713T	T	CC	-/-
rs11168287	VDR G48285414A	G	AA	-/-
rs4328262	VDR C18167A	G	TT	-/-
rs4334089	VDR G48286015A	G	GG	+/+
rs4237855	VDR G48287203A	A	AG	+/-
rs11574027	VDR C48287373A	A	AC	+/-
rs3890733	VDR G14442A	T	CT	+/-
rs11168293	VDR G48293716T	G	GT	+/-

Cannabinoid Pathway

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4760655	VDR G48294131A	G	AA	-/-
rs7299460	VDR C48296268T	T	CT	+/-
rs4760658	VDR T7329C	G	AG	+/-
rs2070586	DAO G8864A	G	AG	+/-
rs3741775	DAO A14747C	A	AC	+/-
rs3918347	DAO A24464G	G	AG	+/-
rs17221417	NOD2 13533C>G	G	GG	+/+
rs2066843	NOD2 19150C>T	T	TT	+/+
rs2066844	NOD2 Arg675Trp	T	CT	+/-
rs2066845	NOD2 Gly881Arg	C	GG	-/-
rs5743289	NOD2 30725C>T	T	TT	+/+
rs12150220	NLRP1 7466T>A	T	AT	+/-
rs492602	FUT2 A12190G	G	GG	+/+
rs601338	FUT2 G12447A	A	AA	+/+
rs602662	FUT2 G12758A	A	AA	+/+

Celiac Disease/Gluten Intolerance

6 variants found 2 4

Risk Summary: 2 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs231775	CTLA4 Thr17Ala	G	AA	-/-
rs6441961	3p21 near CCR3 1184A>G variant	T	CC	-/-
rs9851967	LPP 220966C>T	T	CT	+/-
rs6822844	4q27 Region 123509421G>T	G	GT	+/-
rs2187668	HLA-DQA1 variant	T	CC	-/-
rs2858331	HLA 4126892A>G	G	AA	-/-

Clotting Factors

12 variants found 6 2 4

Risk Summary: 6 high risk variants, 2 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs6025	F5 Factor V Leiden FVL	T	CT	+/-
rs2227589	SERPINC1 G5301A	T	CC	-/-
rs1523127	NR1I2 C6709A	A	AA	+/+
rs9898	HRG Pro204Ser	C	CC	+/+
rs13146272	CYP4V2 Q259K	C	CC	+/+
rs2289252	F11 C25264T	C	CC	+/+
rs2731672	KNG I598T GP IIIa HPA-1	T	CC	-/-
rs6046	F7 A353G Arg329Gln	A	GG	-/-
rs3211719	F10 113777509 A5397C	A	AA	+/+
rs1800775	CETP C4402A	C	CC	+/+
rs5918	ITGB3 P1A2/T196C	C	CT	+/-
rs1613662	GP6 Pro219Ser	G	AA	-/-

Eye Health

3 variants found 2 1

Risk Summary: 2 high risk variants, 1 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs12934922	BCMO1 R267S Arg267Ser	T	TT	+/+
rs4889294	BCMO1 36464T>C	C	CC	+/+
rs7501331	BCMO1 A379V Ala379Val	T	CT	+/-

Glyoxylate Metabolic Process

51 variants found 13 11 27

(See Figure 5)

Risk Summary: 13 high risk variants, 11 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2810424	DBT A56731G	T	CC	-/-
rs12021720	DBT G384S	T	CC	-/-
rs74103423	DBT E224null	C	CC	+/+
rs7079	AGT 17006C>A	T	TT	+/+
rs2493132	AGT 11780A>G	T	TT	+/+
rs3789670	AGT 11623G>A	C	CC	+/+
rs2478545	AGT 11216C>T	A	GG	-/-
rs699	AGT M235T/C4072T	G	AA	-/-
rs5041	AGT Leu244Arg	C	AA	-/-
rs4762	AGT Thr207Met	A	GG	-/-
rs2493134	AGT 5978A>G	C	TT	-/-
rs5051	AGT 5465G>A	C	CC	+/+
rs5050	AGT 5451A>C	G	TT	-/-
rs11568020	AGT 5319G>A	T	CC	-/-
rs5049	AGT 5254G>A	T	CC	-/-
rs34116584	AGXT P11R	T	CC	-/-
rs2687975	LIAS C16647T	C	CT	+/-
rs2259073	LIAS A19410C	C	AC	+/-
rs1377210	AGXT2L1 S127P	G	AA	-/-
rs16899974	AGXT2 V498L	A	CC	-/-
rs7717823	AGXT2 C35000795T	C	CC	+/+
rs344156	AGXT2 A35035579G	A	GG	-/-
rs37369	AGXT2 V140I	T	CC	-/-
rs2279651	AGXT2 H118H	G	AA	-/-
rs28305	AGXT2 C35044298G	C	GG	-/-
rs40200	AGXT2 A35045745G	G	GG	+/+
rs6931421	BCKDHB T68795G	G	TT	-/-
rs10455370	BCKDHB C229524T	T	CC	-/-
rs2057149	DDO C110717493T	C	CT	+/-
rs3757351	DDO A110735630G	G	AA	-/-

Glyoxylate Metabolic Process

(See Figure 5)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs10263341	DLD T19214C	T	CC	-/-
rs1049742	ABP1/DAO S332P	T	CC	-/-
rs45558339	ABP1 M479I	A	GG	-/-
rs35070995	ABP1 A678H	C	AA	-/-
rs7848919	GLDC C118216T	G	AA	-/-
rs11789777	GLDC A55715G	T	TT	+/+
rs3740015	DHTKD1 Y272D	T	GT	+/-
rs2297644	HOGA1 T20638C	C	CT	+/-
rs2070586	DAO G8864A	G	AG	+/-
rs3741775	DAO A14747C	A	AC	+/-
rs3918347	DAO A24464G	G	AG	+/-
rs732765	DLST A22136G	G	AG	+/-
rs1799900	DLST G24147A	G	AG	+/-
rs459894	NDUFAB1 A23601488G	G	AA	-/-
rs730168	LDHD C75150275T	C	CC	+/+
rs3810174	BCKDHA C5472T	C	TT	-/-
rs2423322	HAO1 A7873112G	G	GG	+/+
rs16994134	HAO1 T7894092C	T	TT	+/+
rs941426	HAO1 A7905050G	A	AA	+/+
rs941425	HAO1 G7905283A	G	GG	+/+
rs2423334	HAO1 T7905947C	T	CT	+/-

HLA

56 variants found 13 15 28

(See Figure 6)

Risk Summary: 13 high risk variants, 15 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2743951	HLA-F-AS1 7747G>A	T	CC	-/-
rs2844846	HLA-F-AS1, MICE 4945T>A	T	AA	-/-
rs1632933	HLA-G 8178C>T	T	CT	+/-
rs9380142	HLA-G 9039A>G	G	AA	-/-
rs1610696	HLA-G 9048C>G	G	CG	+/-
rs3823339	HLA-A 7727C>G	G	CC	-/-
rs1061235	HLA-A 8057A>T	T	AA	-/-
rs3893538	HLA-W 915T>C	T	CT	+/-
rs2517701	HLA-W 2462A>T	T	AT	+/-
rs2001181	HLA-C 7911A>G	C	CT	+/-
rs1058026	HLA-B 8305T>G	C	AA	-/-
rs2523608	HLA-B 7431C>T	A	AG	+/-
rs3135394	HLA-DRA 5055G>A	G	AA	-/-
rs9268645	HLA-DRA 5085C>G	G	CC	-/-
rs3129878	HLA-DRA 5293C>A	A	AC	+/-
rs3129882	HLA-DRA 6087A>G	G	AG	+/-
rs3129883	HLA-DRA 6694C>T	T	CT	+/-
rs3135391	HLA-DRA 7544G>A	G	AG	+/-
rs2239804	HLA-DRA 8080T>C	C	TT	-/-
rs7192	HLA-DRA Leu242Val	T	TT	+/+
rs3129888	HLA-DRA 8283A>G	G	AG	+/-
rs2239802	HLA-DRA 8403G>C	C	CG	+/-
rs7194	HLA-DRA 9003G>A	A	GG	-/-
rs9268831	HLA-DRB9 7239C>T	T	CC	-/-
rs9268832	HLA-DRB9 7280T>C	C	TT	-/-
rs660895	HLA-DRB1 variant	G	AA	-/-
rs9271366	HLA variant	G	AG	+/-
rs9272535	HLA-DQA1 6574G>A	A	GG	-/-
rs2858331	HLA 4126892A>G	G	AA	-/-
rs17500468	HLA-DQA2 4156973A>G	G	AA	-/-

HLA (See Figure 6)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2213568	HLA-DQA2 4157371A>C	A	AA	+/+
rs9276431	HLA-DQA2 4158042T>C	T	TT	+/+
rs2239800	HLA-DQA2 4159063A>G	G	AA	-/-
rs7453920	HLA-DQB2 4175809A>G	G	AA	-/-
rs2051549	HLA-DQB2 4175883G>A	G	GG	+/+
rs1573649	HLA-DQB2 Met1Thr	G	GG	+/+
rs11244	HLA-DOB 9102C>T	A	GG	-/-
rs2071479	HLA-DOB 8714G>A	T	CC	-/-
rs2856997	HLA-DOB 8050G>T	C	CC	+/+
rs2071474	HLA-DOB 7244G>A	T	CC	-/-
rs2071473	HLA-DOB 7221G>A	C	CC	+/+
rs7383287	HLA-DOB 6740T>C	G	AA	-/-
rs2071554	HLA-DOB Arg18Gln	T	CC	-/-
rs2071469	HLA-DOB 5043G>A	C	CC	+/+
rs10751	HLA-DMB 4347001A>G	A	GG	-/-
rs151719	HLA-DMB 4348318T>C	C	CT	+/-
rs3128935	HLA-DOA 9986A>G	T	TT	+/+
rs1044429	HLA-DOA 9748G>A	T	CC	-/-
rs376892	HLA-DOA 9503C>T	G	AA	-/-
rs2581	HLA-DOA 7989C>A	T	TT	+/+
rs399604	HLA-DOA 7376A>G	C	CC	+/+
rs2284191	HLA-DOA 5736C>T	A	GG	-/-
rs86567	HLA-DOA 5631C>A	G	GT	+/-
rs3077	HLA-DPA1 20534T>C	A	AA	+/+
rs2301226	HLA-DPA1 18960C>T	A	GG	-/-
rs9277535	HLA-DPB1 16159A>G	G	GG	+/+

IgA

25 variants found 10 6 9

Risk Summary: 10 high risk variants, 6 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs6677604	CFH variant	A	GG	-/-
rs4353135	NLRP3 247617036G>T	T	TT	+/+
rs6672995	NLRP3 247621033G>A	A	AG	+/-
rs10733113	NLRP3 247622357A>G	G	GG	+/+
rs1990760	IFIH1 (HLA) variant	T	CT	+/-
rs9271366	HLA variant	G	AG	+/-
rs9275596	MTC03P1 variant	C	CC	+/+
rs9357155	PSMB8 / TAP1 / TAP2 variant	A	GG	-/-
rs4728142	IRF5 variant	A	GG	-/-
rs3761847	TRAF1 variant	G	AA	-/-
rs2229765	IGF1R variant	G	AG	+/-
rs17221417	NOD2 13533C>G	G	GG	+/+
rs2066843	NOD2 19150C>T	T	TT	+/+
rs2066844	NOD2 Arg675Trp	T	CT	+/-
rs2066845	NOD2 Gly881Arg	C	GG	-/-
rs5743289	NOD2 30725C>T	T	TT	+/+
rs12150220	NLRP1 7466T>A	T	AT	+/-
rs492602	FUT2 A12190G	G	GG	+/+
rs281377	FUT2 C12376T	T	CC	-/-
rs1047781	FUT2 A12404T	T	AA	-/-
rs601338	FUT2 G12447A	A	AA	+/+
rs602662	FUT2 G12758A	A	AA	+/+
rs485186	FUT2 12979A>G	A	GG	-/-
rs603985	FUT2 13030T>C	T	CC	-/-
rs504963	FUT2 14638G>A	A	AA	+/+

IgE

7 variants found 6 1

Risk Summary: 6 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2814778	DARC 5174T>C	C	TT	-/-
rs2251746	FCER1A 159272060T>C	C	CT	+/-
rs2040704	RAD50 85562A>G	A	AG	+/-
rs2240032	RAD50 89512C>T	T	CT	+/-
rs1800925	IL-13 C1112T 3945C>T	C	CT	+/-
rs2569191	CD14 140634318C>T	C	CT	+/-
rs33977706	SOCS-1 -820G>T 11256298C>A	A	AC	+/-

IgG

2 variants found 1 1

Risk Summary: 1 moderate risk variants - Consider discussing with healthcare providerQuick Navigation: [Overview](#) [Categories](#) [Figures](#) [Disclaimer](#)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs7483	GSTM3 V224I	T	CC	-/-
rs1801274	FCGR2A variant	A	AG	+/-

Iron Uptake & Transport

40 variants found 10 10 20

Risk Summary: 10 high risk variants, 10 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2266917	ATP6V1B1 11708C>T	T	TT	+/+
rs2239484	ATP6V1B1 15411A>G	A	AA	+/+
rs838102	STEAP3 8350G>A	A	GG	-/-
rs708672	STEAP3 10971G>T	G	GG	+/+
rs960748	CYBRD1 171523426G>A	A	AA	+/+
rs13009270	CYBRD1 171546027C>A	A	CC	-/-
rs17554	CYBRD1 171546859G>A	A	GG	-/-
rs10455	CYBRD1 Ser208Asn	G	AA	-/-
rs4667287	SLC40A1 190431875C>A	C	AA	-/-
rs1123109	SLC40A1 190444392T>C	C	TT	-/-
rs4428180	TF 6398A>G	G	AG	+/-
rs12493168	TF 6612A>G	G	AA	-/-
rs8177190	TF 7720C>T	T	CT	+/-
rs1799899	TF Gly277Ser	A	GG	-/-
rs3811647	TF 24053G>A	A	AG	+/-
rs1358024	TF 24212C>T	T	CC	-/-
rs2692695	TF 25478A>G	A	AG	+/-
rs1049296	TF Pro589Ser	T	CC	-/-
rs1115219	TF 35041T>C	C	TT	-/-
rs13072552	CP 148913126G>T	T	GG	-/-
rs406271	TFRC 195776976T>C	T	TT	+/+
rs3817672	TFRC Gly142Ser	T	TT	+/+
rs2231164	ABCG2 89015857C>T	T	TT	+/+
rs2622621	ABCG2 126555G>C	G	CC	-/-
rs1481012	ABCG2 89039082A>G	A	AA	+/+
rs2231142	ABCG2 Gln141Lys	T	GG	-/-
rs72552713	ABCG2 Gln126Ter	A	GG	-/-
rs4148155	ABCG2 89060909T>C	C	AA	-/-
rs4148155	ABCG2 89054667A>G	G	AA	-/-
rs2622604	ABCG2 89078924T>C	T	CT	+/-

Iron Uptake & Transport

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1799945	HFE H63D	G	CC	-/-
rs1800562	HFE C282Y	A	AG	+/-
rs2071594	ATP6V1G2-DDX39B,ATP6V1G2 3093G>C	C	CG	+/-
rs149411	SLC11A2 51380232A>G	G	AG	+/-
rs2160567	HMOX2 187879C>T	T	CT	+/-
rs235756	BMP2 C282Y	G	AG	+/-
rs2071748	HMOX1 5559G>A	A	GG	-/-
rs2071749	HMOX1 11354A>G	A	AA	+/+
rs11912889	HMOX1 11558G>A	A	GG	-/-
rs5755720	HMOX1 14814A>G	A	AA	+/+

Liver Detox - Phase I

89 variants found 4 26 59

(See Figure 1)

Risk Summary: 4 high risk variants, 26 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1800440	CYP1B1 N453S	T	TT	+/+
rs1056836	CYP1B1 L432V	C	CC	+/+
rs1056827	CYP1B1 A119S	A	AC	+/-
rs28936700	CYP1B1 10233C>T	T	CC	-/-
rs10012	CYP1B1 R48G	G	CG	+/-
rs2855262	SOD3 489 C>T	C	CT	+/-
rs1800730	HFE 193A>T	T	AA	-/-
rs662	PON1 Q192R	T	CT	+/-
rs28365083	CYP3A5*2 C2899A	T	GG	-/-
rs28383479	CYP3A5*9 G1009A	T	CC	-/-
rs10264272	CYP3A5*6 G624A	T	CC	-/-
rs776746	CYP3A5*3 G237A	A	CC	-/-
rs4986910	CYP3A4*3 M445T	G	AA	-/-
rs28371759	CYP3A4*18 L293P	G	AA	-/-
rs4646437	CYP3A4 C202T	A	GG	-/-
rs2246709	CYP3A4 T258C	G	AG	+/-
rs55785340	CYP3A4*2 S222P	G	AA	-/-
rs55901263	CYP3A4*5 P218R	C	GG	-/-
rs12721627	CYP3A4*16 T185S	G	GG	+/+
rs55951658	CYP3A4*4 I118V	C	TT	-/-
rs3091339	CYP3A4*_11460A>G(K96E) K96E	C	TT	-/-
rs2740574	CYP3A4*1B A392G	C	TT	-/-
rs3814637	CYP2C19 C1418T	T	CC	-/-
rs12248560	CYP2C19*17 C806T	T	CC	-/-
rs28399504	CYP2C19*4 A5001G	G	AA	-/-
rs17878459	CYP2C19*2B G276A	C	GG	-/-
rs41291556	CYP2C19*8 T358C	C	TT	-/-
rs72552267	CYP2C19*6 G395A	A	GG	-/-
rs17884712	CYP2C19*9 G17784A	A	GG	-/-
rs4986893	CYP2C19*3 G636A	A	GG	-/-

Liver Detox - Phase I

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4244285	CYP2C19*2 G681A	A	AG	+/-
rs72558186	CYP2C19*7 T24294A	A	TT	-/-
rs12767583	CYP2C19 C5709T	T	CT	+/-
rs3758581	CYP2C19_80161G>A(V331I) V331I	A	GG	-/-
rs4917623	CYP2C19 T106C	C	CT	+/-
rs56337013	CYP2C19*5 C1297T	T	CC	-/-
rs4918758	CYP2C9 T1188C	C	CT	+/-
rs1799853	CYP2C9*2 430C>T	T	CC	-/-
rs7900194	CYP2C9*8 449G>A	A	GG	-/-
rs12572351	CYP2C9 G9806A	A	AG	+/-
rs4086116	CYP2C9 C334T	T	CC	-/-
rs2256871	CYP2C9*9 752A>G	G	AA	-/-
rs4917639	CYP2C9 A6326C	C	AA	-/-
rs10509680	CYP2C9 G2337T	T	GG	-/-
rs28371685	CYP2C9*11 1003C>T	T	CC	-/-
rs1057909	CYP2C9 42612A>G	G	AA	-/-
rs1057910	CYP2C9*3 1075A>C	C	AA	-/-
rs1934967	CYP2C9 T2674C	T	CT	+/-
rs9332239	CYP2C9*12 1465C>T	T	CC	-/-
rs3813865	CYP2E1 G3378C	C	CG	+/-
rs2031920	CYP2E1_-1055C>T G1055T	T	CC	-/-
rs2070672	CYP2E1*7_-352A>G A352G	G	AG	+/-
rs6413420	CYP2E1*7_-71G>T G71T	T	GG	-/-
rs8192772	CYP2E1 T8845C	C	CT	+/-
rs6413419	CYP2E1*4 A4768G	A	GG	-/-
rs2480256	CYP2E1 A46G	A	AG	+/-
rs1048943	CYP1A1*2C A4889G	T	TT	+/+
rs1799814	CYP1A1*4 C2453A	T	GT	+/-
rs2069526	CYP1A2*1K -739T>G	G	TT	-/-
rs762551	CYP1A2*1F C164A	C	AC	+/-

Liver Detox - Phase I

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs56276455	CYP1A2*3 D348N	A	GG	-/-
rs2472304	CYP1A2*1F variant	A	AG	+/-
rs28399424	CYP1A2*6 R431W	T	CC	-/-
rs1801272	CYP2A6*2 A1799T	T	AA	-/-
rs8192709	CYP2B6 R22C	T	CC	-/-
rs35303484	CYP2B6 A136G	G	AA	-/-
rs3745274	CYP2B6 Q172H	T	GG	-/-
rs36079186	CYP2B6 T20715C	C	TT	-/-
rs2279345	CYP2B6 T23499C	T	CT	+/-
rs28399499	CYP2B6 I328T	C	TT	-/-
rs34097093	CYP2B6 C1132T	T	CC	-/-
rs8192719	CYP2B6 C26570T	T	CC	-/-
rs3211371	CYP2B6 R487C	T	CT	+/-
rs1042389	CYP2B6 T1421C	C	CT	+/-
rs1135840	CYP2D6*2 S486T	C	CG	+/-
rs59421388	CYP2D6 V287M	T	CC	-/-
rs28371725	CYP2D6*41 2988G>A	T	CC	-/-
rs5030867	CYP2D6*7 2935A>C	G	TT	-/-
rs16947	CYP2D6 C2850T	A	AG	+/-
rs28371722	CYP2D6 G7754A	T	CC	-/-
rs3892097	CYP2D6*4 1846G>A	T	CC	-/-
rs5030865	CYP2D6*14 1758G>A	A	CC	-/-
rs1058164	CYP2D6 C186G	C	CG	+/-
rs61736512	CYP2D6 G1659A	T	CC	-/-
rs28371706	CYP2D6*17 T107I	A	GG	-/-
rs28371699	CYP2D6 T130G	C	AC	+/-
rs1065852	CYP2D6 T100C	T	GG	-/-
rs1080983	CYP2D6 A1775G	T	CT	+/-
rs28360521	CYP2D6 G2908A	T	CC	-/-

Liver Detox - Phase II

184 variants found 27 82 75

(See Figure 1)

Risk Summary: 27 high risk variants, 82 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4846048	MTHFR C24909T	G	AG	+/-
rs4846049	MTHFR A*372C	G	GT	+/-
rs2274976	MTHFR G1793A (R594Q)	T	CC	-/-
rs1476413	MTHFR G18861A	T	CT	+/-
rs1801131	MTHFR A1298C	G	GT	+/-
rs1801133	MTHFR C677T	A	AG	+/-
rs17037390	MTHFR C10318T	G	GG	+/+
rs17367504	MTHFR A1572G	G	AA	-/-
rs2066470	MTHFR 03 P39P	A	GG	-/-
rs13306560	MTHFR C-137T	T	CC	-/-
rs3737964	MTHFR A4117C	T	CT	+/-
rs1056806	GSTM1 7730C>T	T	CT	+/-
rs7483	GSTM3 V224I	T	CC	-/-
rs699	AGT M235T/C4072T	A	AA	+/+
rs823162	DISC1 C14853T	C	TT	-/-
rs3738401	DISC1 R264Q	A	GG	-/-
rs4353135	NLRP3 247617036G>T	T	TT	+/+
rs6672995	NLRP3 247621033G>A	A	AG	+/-
rs10733113	NLRP3 247622357A>G	G	GG	+/+
rs10174540	SPR 7413A>G	A	GG	-/-
rs1667627	MTHFD2 C8503T	C	CT	+/-
rs1378321	HNMT A47507G	A	AA	+/+
rs1050891	HNMT T939C	G	AA	-/-
rs12185692	GAD1 (GAD) C2627A	A	AC	+/-
rs3791878	GAD1 (GAD) G3992T	g	GT	+/-
rs3749034	GAD1 (GAD) G5276A	A	GG	-/-
rs2241165	GAD1 (GAD) C10180T	T	TT	+/+
rs3828275	GAD1 (GAD) C14541T	T	CT	+/-
rs2058725	GAD1 (GAD) T21922C	C	TT	-/-
rs769407	GAD1 (GAD) G25509C	C	CG	+/-

Liver Detox - Phase II

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs3791851	GAD1 (GAD) T30473C	C	CT	+/-
rs701492	GAD1 (GAD) C34281T	C	CT	+/-
rs3791850	GAD1 (GAD) G39901A	G	GG	+/+
rs887829	UGT1A1 C175181T	T	CT	+/-
rs4148323	UGT1A1 G211A	A	GG	-/-
rs72551341	UGT1A1 L175G	A	TT	-/-
rs6742078	UGT1A1 G179250T	T	GT	+/-
rs4148325	UGT1A1 C179920T	T	CT	+/-
rs62625011	UGT1A1 G182349A	A	GG	-/-
rs72551351	UGT1A1 G354A	G	AA	-/-
rs901865	HRH1 T-17C	T	CT	+/-
rs4961	ADD1 G460W	T	GG	-/-
rs4148301	UGT2A2, UGT2A1 G308R	T	CT	+/-
rs27072	SLC6A3 G56022A	T	CT	+/-
rs1042098	SLC6A3 T55729C	A	AG	+/-
rs40184	SLC6A3 G55467A	C	TT	-/-
rs11564771	SLC6A3 C51747T	A	GG	-/-
rs11133767	SLC6A3 G48964A	C	CT	+/-
rs6347	SLC6A3 A39132G	T	CT	+/-
rs27048	SLC6A3 G37899A	T	CT	+/-
rs464049	SLC6A3 T26639C	A	AG	+/-
rs460000	SLC6A3 C17719T	T	GT	+/-
rs403636	SLC6A3 T12190G	A	CC	-/-
rs2617605	SLC6A3 A8023G	C	CT	+/-
rs6350	SLC6A3 C7345T	A	GG	-/-
rs479405	DMGDH G67591T	C	AC	+/-
rs532964	DMGDH T835C	A	AG	+/-
rs651852	BHMT-08 C6457T	T	CT	+/-
rs6875201	BHMT A7961G	G	AA	-/-
rs567754	BHMT-02 C13813T	T	CC	-/-

Liver Detox - Phase II

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs3733890	BHMT R239Q	A	AA	+/+
rs1650697	DHFR/MSH T-473A	A	AG	+/-
rs4869089	MAT2B A7755681G	G	AG	+/-
rs2619522	DTNBP1 T14623G	A	AA	+/+
rs1018381	DTNBP1 C11202T	A	GG	-/-
rs2794719	HFE 6382T>G	T	GT	+/-
rs1799945	HFE H63D	G	CC	-/-
rs2071303	HFE 8828T>C	C	TT	-/-
rs1800562	HFE C282Y	A	AG	+/-
rs11754661	MTHFD1L G25264A	G	GG	+/+
rs17349743	MTHFD1L T31397C	C	CT	+/-
rs803422	MTHFD1L A33780G	A	AG	+/-
rs6922269	MTHFD1L G71171A	A	AG	+/-
rs1049742	ABP1/DAO S332P	T	CC	-/-
rs4986782	NAT1 R187Q	A	GG	-/-
rs1805158	NAT2 R64W	T	CC	-/-
rs1801279	NAT2 G191A	A	GG	-/-
rs1041983	NAT2 C282T	T	CC	-/-
rs1801280	NAT2 I114T	C	CT	+/-
rs1799929	NAT2 C481T	T	TT	+/+
rs1799930	NAT2 R197Q	A	GG	-/-
rs1208	NAT2 K268R	G	GG	+/+
rs1799931	NAT2 G286E	A	GG	-/-
rs2551715	GSR A43851G	C	CC	+/+
rs6994992	NRG1 C3314T	T	CT	+/-
rs35099072	IDO1 G344A	A	GG	-/-
rs1031552	GGH C23421T	A	GG	-/-
rs3780127	GGH C15472T	A	GG	-/-
rs4617146	GGH G13894A	T	TT	+/+
rs11786893	GGH G174A	T	CC	-/-

Liver Detox - Phase II

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs3780126	GGH C6699T	A	AG	+/-
rs11545077	GGH G91A	T	CT	+/-
rs1538311	ADK G509567T	T	GT	+/-
rs1985908	MAT1A T*1297C	G	AG	+/-
rs2993763	MAT1A C1131T	A	AG	+/-
rs4934028	MAT1A C15656T	A	AG	+/-
rs1049982	CAT T5070C	T	CT	+/-
rs480575	CAT A12175G	G	AG	+/-
rs11032703	CAT C14185T	T	CC	-/-
rs2300181	CAT C21068T	T	CT	+/-
rs1695	GSTP1 I105V	A	AG	+/-
rs1138272	GSTP1 A114V	T	CC	-/-
rs7925545	FOLR3 A3771G	G	AA	-/-
rs2071010	FOLR1 G-20A	A	GG	-/-
rs651933	FOLR2 G-1316A	G	AG	+/-
rs3741049	ACAT1 G22670A	A	GG	-/-
rs4520	APOC3 G34G	T	CC	-/-
rs5128	APOC3 3u386	G	CC	-/-
rs1544410	VDR VDR:Bsml	T	CC	-/-
rs2070586	DAO G8864A	G	AG	+/-
rs3741775	DAO A14747C	A	AC	+/-
rs3918347	DAO A24464G	G	AG	+/-
rs7134594	MMAB G16110A	C	CT	+/-
rs12314392	MMAB/MVK A-818G	A	AG	+/-
rs7997012	HTR2A T64185C	A	AG	+/-
rs1076991	MTHFD1 C105T	C	CT	+/-
rs2236225	MTHFD1 R635Q	A	AG	+/-
rs2073440	HDC A1932C	G	TT	-/-
rs16963486	HDC T1657C	G	AA	-/-
rs854158	HDC T10086C	G	AA	-/-

Liver Detox - Phase II

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CT	+/-
rs17221417	NOD2 13533C>G	G	GG	+/+
rs2066843	NOD2 19150C>T	T	TT	+/+
rs2066844	NOD2 Arg675Trp	T	CT	+/-
rs2066845	NOD2 Gly881Arg	C	GG	-/-
rs5743289	NOD2 30725C>T	T	TT	+/+
rs2242446	SLC6A2 C5884T	T	CT	+/-
rs3785143	SLC6A2 C10565T	T	CT	+/-
rs1532701	SLC6A2 G13486A	G	AG	+/-
rs36020	SLC6A2 C28547T	T	CT	+/-
rs3785152	SLC6A2 T32009C	T	CC	-/-
rs40147	SLC6A2 G32299A	G	AG	+/-
rs10521329	SLC6A2 C35917A	A	CC	-/-
rs4564560	SLC6A2 A40223G	G	AG	+/-
rs11568324	SLC6A2 C41517T	T	CC	-/-
rs3785157	SLC6A2 C45295T	T	CT	+/-
rs5568	SLC6A2 A45583C	C	AC	+/-
rs1566652	SLC6A2 G47034T	T	GT	+/-
rs36009	SLC6A2 C48079T	T	CC	-/-
rs5558	SLC6A2 T49018G	G	TT	-/-
rs2242447	SLC6A2 C51371T	T	TT	+/+
rs10517	NQO1 C494+	A	GG	-/-
rs1800566	NQO1 C609T	A	GG	-/-
rs34755915	NQO1 G13528A	T	CC	-/-
rs689453	NQO1 G13161A	T	CC	-/-
rs689452	NQO1 G13070C	C	GG	-/-
rs1437135	NQO1 T7706C	G	AA	-/-
rs2917669	NQO1 T6314C	A	GG	-/-
rs12150220	NLRP1 7466T>A	T	AT	+/-

Liver Detox - Phase II

(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2071409	MPO A15067C	T	TT	+/+
rs28730837	MPO C7900T	A	GG	-/-
rs4343	ACE G2328A	G	AG	+/-
rs16940765	HRH4 T3537649C	C	TT	-/-
rs11665084	HRH4 C413T	T	CC	-/-
rs11662595	HRH4 A617G	G	AA	-/-
rs4800573	HRH4 G*2144A	A	AG	+/-
rs17851582	GAMT C9110T	G	GG	+/+
rs55776826	GAMT G7497A	T	CC	-/-
rs296366	SULT2A1 A20117G	C	CC	+/+
rs11569679	SULT2A1 G781A	T	CC	-/-
rs4149452	SULT2A1 G17136A	T	CT	+/-
rs4149449	SULT2A1 G9696A	T	CT	+/-
rs2547231	SULT2A1 G9598T	A	AA	+/+
rs492602	FUT2 A12190G	G	GG	+/+
rs281377	FUT2 C12376T	T	CC	-/-
rs1047781	FUT2 A12404T	T	AA	-/-
rs601338	FUT2 G12447A	A	AA	+/+
rs602662	FUT2 G12758A	A	AA	+/+
rs235756	BMP2 C282Y	G	AG	+/-
rs819147	AHCY-01 G14905A	C	TT	-/-
rs2273684	GSS A18836C	T	TT	+/+
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	CC	+/+
rs6088659	GSS A5997G	T	CT	+/-
rs244076	ADA A534G	C	TT	-/-
rs447833	ADA G22021A	T	CT	+/-
rs6031692	ADA C10783T	A	GG	-/-
rs73598374	ADA G22A	T	CC	-/-
rs4817579	GART A9979G	T	CC	-/-

Liver Detox - Phase II
(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs737866	COMT/TXNRD2 A4251G	C	CT	+/-
rs737865	COMT/TXNRD2 T4239C	G	AG	+/-
rs6519519	GGT1 C17146T	T	CT	+/-
rs5751901	GGT1 T17549C	T	CT	+/-

Methylation & Methionine/Homocysteine Pathways

106 variants found 20 43 43

(See Figure 2)

Risk Summary: 20 high risk variants, 43 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4846048	MTHFR C24909T	G	AG	+/-
rs4846049	MTHFR A*372C	G	GT	+/-
rs2274976	MTHFR G1793A (R594Q)	T	CC	-/-
rs1476413	MTHFR G18861A	T	CT	+/-
rs1801131	MTHFR A1298C	G	GT	+/-
rs1801133	MTHFR C677T	A	AG	+/-
rs17037390	MTHFR C10318T	G	GG	+/+
rs17367504	MTHFR A1572G	G	AA	-/-
rs2066470	MTHFR 03 P39P	A	GG	-/-
rs13306560	MTHFR C-137T	T	CC	-/-
rs3737964	MTHFR A4117C	T	CT	+/-
rs10889869	CTH G6010A	A	AG	+/-
rs681475	CTH T8763C	C	CC	+/+
rs1145920	CTH A11886G	A	GG	-/-
rs12723350	CTH T16147C	C	TT	-/-
rs663649	CTH G25229T	T	GT	+/-
rs515064	CTH A32114G	G	AG	+/-
rs1021737	CTH S4031I	T	GT	+/-
rs10925235	MTR T9195C	T	CC	-/-
rs12060264	MTR G34783A	A	AA	+/+
rs12060570	MTR G35489C	G	CC	-/-
rs2789352	MTR A50417C	A	CC	-/-
rs2275568	MTR C62048T	T	TT	+/+
rs10925250	MTR A68550G	G	AA	-/-
rs3768142	MTR G74984T	T	TT	+/+
rs10925257	MTR A92580G	G	AA	-/-
rs1805087	MTR A2756G	G	AA	-/-
rs2275566	MTR G94982A	G	AA	-/-
rs2275565	MTR G95096T	T	GG	-/-
rs3820571	MTR G106853T	G	TT	-/-

Methylation & Methionine/Homocysteine Pathways

(See Figure 2)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs11799670	MTR A*153G	G	AA	-/-
rs1667627	MTHFD2 C8503T	C	CT	+/-
rs1799807	BCHE A98G	T	TT	+/+
rs1801394	MTRR A66G	G	GG	+/+
rs326121	MTRR T12072C	C	CT	+/-
rs3776467	MTRR G12099A	G	AA	-/-
rs1532268	MTRR C524T	T	CC	-/-
rs7703033	MTRR G15734A	A	AA	+/+
rs162031	MTRR T16071C	T	CC	-/-
rs10064631	MTRR C1078G	G	CC	-/-
rs162036	MTRR K350A	G	AA	-/-
rs3815743	MTRR A22893G	G	AA	-/-
rs2287779	MTRR G1155A	A	GG	-/-
rs3776455	MTRR C32295T	T	TT	+/+
rs1802059	MTRR -11 A664A	A	GG	-/-
rs9332	MTRR G*541A	A	GG	-/-
rs8659	MTRR T*662A	A	AA	+/+
rs479405	DMGDH G67591T	C	AC	+/-
rs532964	DMGDH T835C	A	AG	+/-
rs651852	BHMT-08 C6457T	T	CT	+/-
rs6875201	BHMT A7961G	G	AA	-/-
rs567754	BHMT-02 C13813T	T	CC	-/-
rs3733890	BHMT R239Q	A	AA	+/+
rs1650697	DHFR/MSH T-473A	A	AG	+/-
rs4869089	MAT2B A7755681G	G	AG	+/-
rs6458690	MUT T24234C	G	AG	+/-
rs11754661	MTHFD1L G25264A	G	GG	+/+
rs17349743	MTHFD1L T31397C	C	CT	+/-
rs803422	MTHFD1L A33780G	A	AG	+/-
rs6922269	MTHFD1L G71171A	A	AG	+/-

Methylation & Methionine/Homocysteine Pathways

(See Figure 2)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1800783	NOS3 A6251T	T	AA	-/-
rs1800779	NOS3 G6797A	A	GG	-/-
rs3918188	NOS3 C19635T	A	CC	-/-
rs1985908	MAT1A T*1297C	G	AG	+/-
rs2993763	MAT1A C1131T	A	AG	+/-
rs4934028	MAT1A C15656T	A	AG	+/-
rs526934	TCN1 G4939288A	A	AA	+/+
rs7925545	FOLR3 A3771G	G	AA	-/-
rs2071010	FOLR1 G-20A	A	GG	-/-
rs651933	FOLR2 G-1316A	G	AG	+/-
rs2293054	NOS1 T2202C	A	AG	+/-
rs7298903	NOS1 A57373G	C	TT	-/-
rs1076991	MTHFD1 C105T	C	CT	+/-
rs2236225	MTHFD1 R635Q	A	AG	+/-
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CT	+/-
rs7946	PEMT G634A	T	TT	+/+
rs4646406	PEMT T17020543A	T	AT	+/-
rs4244593	PEMT T17023592G	T	GT	+/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs2297518	NOS2 C1823T	A	AG	+/-
rs2274894	NOS2 T836165G	T	GT	+/-
rs2248814	NOS2 T32235C	A	AG	+/-
rs17851582	GAMT C9110T	G	GG	+/+
rs55776826	GAMT G7497A	T	CC	-/-
rs296366	SULT2A1 A20117G	C	CC	+/+
rs11569679	SULT2A1 G781A	T	CC	-/-
rs4149452	SULT2A1 G17136A	T	CT	+/-

Methylation & Methionine/Homocysteine Pathways

(See Figure 2)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4149449	SULT2A1 G9696A	T	CT	+/-
rs2547231	SULT2A1 G9598T	A	AA	+/+
rs819147	AHCY-01 G14905A	C	TT	-/-
rs2273684	GSS A18836C	T	TT	+/+
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	CC	+/+
rs6088659	GSS A5997G	T	CT	+/-
rs706209	CBS C*351T	A	AG	+/-
rs706208	CBS T*330C	A	AG	+/-
rs12613	CBS G*299A	T	CC	-/-
rs1801181	CBS A360A	A	AG	+/-
rs4920037	CBS C19150T	A	AG	+/-
rs234706	CBS C699T	A	AG	+/-
rs2851391	CBS A13637G	T	CT	+/-
rs9606756	TCN2 A8700G	G	AA	-/-
rs1801198	TCN2 C766G	G	GG	+/+

Mitochondrial Function

80 variants found 13 35 32

(See Figure 12)

Risk Summary: 13 high risk variants, 35 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1667627	MTHFD2 C8503T	C	CT	+/-
rs36089250	ATP5g3 variant	C	TT	-/-
rs1801394	MTRR A66G	G	GG	+/+
rs326121	MTRR T12072C	C	CT	+/-
rs3776467	MTRR G12099A	G	AA	-/-
rs1532268	MTRR C524T	T	CC	-/-
rs7703033	MTRR G15734A	A	AA	+/+
rs162031	MTRR T16071C	T	CC	-/-
rs10064631	MTRR C1078G	G	CC	-/-
rs162036	MTRR K350A	G	AA	-/-
rs3815743	MTRR A22893G	G	AA	-/-
rs2287779	MTRR G1155A	A	GG	-/-
rs3776455	MTRR C32295T	T	TT	+/+
rs1802059	MTRR -11 A664A	A	GG	-/-
rs9332	MTRR G*541A	A	GG	-/-
rs8659	MTRR T*662A	A	AA	+/+
rs479405	DMGDH G67591T	C	AC	+/-
rs532964	DMGDH T835C	A	AG	+/-
rs4869089	MAT2B A7755681G	G	AG	+/-
rs6458690	MUT T24234C	G	AG	+/-
rs11754661	MTHFD1L G25264A	G	GG	+/+
rs17349743	MTHFD1L T31397C	C	CT	+/-
rs803422	MTHFD1L A33780G	A	AG	+/-
rs6922269	MTHFD1L G71171A	A	AG	+/-
rs2758331	SOD2 406+816G>T	A	AC	+/-
rs4880	SOD2 V16A	A	AG	+/-
rs1800783	NOS3 A6251T	T	AA	-/-
rs1800779	NOS3 G6797A	A	GG	-/-
rs3918188	NOS3 C19635T	A	CC	-/-
rs1985908	MAT1A T*1297C	G	AG	+/-

Mitochondrial Function

(See Figure 12)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2993763	MAT1A C1131T	A	AG	+/-
rs4934028	MAT1A C15656T	A	AG	+/-
rs4147730	NDUFS3 variant	A	GG	-/-
rs2075626	NDUFS8 variant	T	TT	+/+
rs1051806	NDUFS8 variant	T	CC	-/-
rs2238151	ALDH2 T12488C	T	CT	+/-
rs4648328	ALDH2 C23443T	T	CT	+/-
rs441	ALDH2 T29504C	C	CT	+/-
rs968529	ALDH2 T35023C	C	CT	+/-
rs4646778	ALDH2 C36438A	A	AC	+/-
rs671	ALDH2 G1369A	A	GG	-/-
rs16941667	ALDH2 C45068T	T	CC	-/-
rs2293054	NOS1 T2202C	A	AG	+/-
rs7298903	NOS1 A57373G	C	TT	-/-
rs10483639	GCH1 G55306457C	C	GG	-/-
rs752688	GCH1 G62974A	T	CC	-/-
rs4411417	GCH1 A53980G	C	TT	-/-
rs2878169	GCH1 variant	T	GG	-/-
rs7492600	GCH1 C37668A	T	GT	+/-
rs12147422	GCH1 A30528G	T	CT	+/-
rs3783637	GCH1 G26425A	C	CT	+/-
rs998259	GCH1 G19512A	T	CC	-/-
rs7147286	GCH1 C15878T	G	GG	+/+
rs3783641	GCH1 A14404T	A	TT	-/-
rs3783642	GCH1 A14340G	T	TT	+/+
rs8017210	GCH1 C12707T	A	GG	-/-
rs8007267	GCH1 C36378991T	C	CC	+/+
rs1076991	MTHFD1 C105T	C	CT	+/-
rs2236225	MTHFD1 R635Q	A	AG	+/-
rs8042694	COX5A variant	G	AG	+/-

Mitochondrial Function

(See Figure 12)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4850	UQCRC2 variant	A	GG	-/-
rs11648723	UQCRC2 variant	T	GG	-/-
rs7946	PEMT G634A	T	TT	+/+
rs4646406	PEMT T17020543A	T	AT	+/-
rs4244593	PEMT T17023592G	T	GT	+/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs2297518	NOS2 C1823T	A	AG	+/-
rs2274894	NOS2 T836165G	T	GT	+/-
rs2248814	NOS2 T32235C	A	AG	+/-
rs2332496	NDUFS7 variant	A	AG	+/-
rs1142530	NDUFS7 variant	T	CT	+/-
rs7258846	NDUFS7 variant	T	GT	+/-
rs17851582	GAMT C9110T	G	GG	+/+
rs55776826	GAMT G7497A	T	CC	-/-
rs2273684	GSS A18836C	T	TT	+/+
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	CC	+/+
rs6088659	GSS A5997G	T	CT	+/-

Molybdenum

52 variants found 7 8 37

Risk Summary: 7 high risk variants, 8 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs291593	DPYD 97543752G>A	A	GG	-/-
rs291592	DPYD 97543764C>T	T	CC	-/-
rs1801268	DPYD Val995Phe	A	CC	-/-
rs67376798	DPYD Asp949Val	A	TT	-/-
rs1399291	DPYD 97576922C>T	T	CC	-/-
rs828054	DPYD 97610026G>T	G	GG	+/+
rs11587873	DPYD 97653070C>T	T	CC	-/-
rs12137711	DPYD 97700589C>T	T	CC	-/-
rs1801160	DPYD Val732Ile	T	CC	-/-
rs7548189	DPYD 97867713C>A	C	CC	+/+
rs3918290	DPYD 97915614C>T	T	CC	-/-
rs17376848	DPYD 97915624A>G	G	AA	-/-
rs2811178	DPYD 97981242T>C	T	TT	+/+
rs55886062	DPYD Ile560Asn	C	AA	-/-
rs1801159	DPYD Ile543Val	C	CT	+/-
rs1801158	DPYD Ser534Asn	T	CC	-/-
rs45589337	DPYD Lys259Glu	C	TT	-/-
rs1801266	DPYD Arg235Trp	A	GG	-/-
rs1801265	DPYD Cys29Arg	A	AA	+/+
rs207440	XDH 31562412C>T	T	CC	-/-
rs207444	XDH 31563797A>G	A	GG	-/-
rs1884725	XDH 31571786A>G	A	GG	-/-
rs7574920	XDH 56963C>G	C	CG	+/-
rs1429376	XDH 31588561A>C	A	CC	-/-
rs17011368	XDH Ile703Val	C	TT	-/-
rs17323225	XDH Ile646Val	C	TT	-/-
rs4407290	XDH 31606670G>A	A	GG	-/-
rs185925	XDH 31609993G>A	G	AA	-/-
rs2073316	XDH 31611029G>A	A	GG	-/-
rs206811	XDH 31636915A>G	A	AG	+/-

Molybdenum

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs10497853	AOX1 201475157A>G	A	AA	+/+
rs3731722	AOX1 His1297Arg	G	AA	-/-
rs4835913	ALDH7A1 126559817G>A	A	AG	+/-
rs4816	PCMT1 Val178Ile	G	AG	+/-
rs2301995	ELN 14714G>A	A	GG	-/-
rs4717865	ELN 16773G>A	A	AG	+/-
rs2071307	ELN Gly422Ser	G	AG	+/-
rs2856728	ELN 33356C>T	T	TT	+/+
rs2528795	ELN 36068T>C	C	TT	-/-
rs41511151	ELN Gly711Asp	A	GG	-/-
rs705703	SUOX C5444T	T	CC	-/-
rs1049564	PNP Gly51Ser	G	GG	+/+
rs7785	PNP 12473C>T	T	CC	-/-
rs8020095	GPHN 484734G>A	A	GG	-/-
rs723744	TTR 5747G>T	T	GG	-/-
rs1800458	TTR Gly26Ser	A	GG	-/-
rs3764476	TTR 9731C>A	A	CC	-/-
rs3794884	TTR 10242T>G	G	TT	-/-
rs76992529	TTR Val142Ile	A	GG	-/-
rs7269297	MOCS3 Ser429Ala	G	TT	-/-
rs1801475	KCNQ2 Asn752Thr	T	GT	+/-
rs2297385	KCNQ2 62070966G>A	A	GG	-/-

Neurotransmitter Pathway: Glutamate & GABA

10 variants found 2 6 2

(See Figure 9)

Risk Summary: 2 high risk variants, 6 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs12185692	GAD1 (GAD) C2627A	A	AC	+/-
rs3791878	GAD1 (GAD) G3992T	G	GT	+/-
rs3749034	GAD1 (GAD) G5276A	A	GG	-/-
rs2241165	GAD1 (GAD) C10180T	T	TT	+/+
rs3828275	GAD1 (GAD) C14541T	T	CT	+/-
rs2058725	GAD1 (GAD) T21922C	C	TT	-/-
rs769407	GAD1 (GAD) G25509C	G	CG	+/-
rs3791851	GAD1 (GAD) T30473C	C	CT	+/-
rs701492	GAD1 (GAD) C34281T	C	CT	+/-
rs3791850	GAD1 (GAD) G39901A	G	GG	+/+

Neurotransmitter Pathway: Serotonin & Dopamine

191 variants found 24 78 89

(See Figure 3)

Risk Summary: 24 high risk variants, 78 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs9824856	DRD3 G50169T	A	AA	+/+
rs9288993	DRD3 T43727C	G	AA	-/-
rs963468	DRD3 C40013T	A	AG	+/-
rs3773678	DRD3 T32822C	G	GG	+/+
rs2630349	DRD3 T29528C	G	GG	+/+
rs2630351	DRD3 T27841C	A	GG	-/-
rs167771	DRD3 C26625T	A	AG	+/-
rs324029	DRD3 T21277C	A	AG	+/-
rs10934256	DRD3 G17248T	A	CC	-/-
rs1486009	DRD3 T14368C	A	AG	+/-
rs6280	DRD3 G25A	T	CT	+/-
rs27072	SLC6A3 G56022A	T	CT	+/-
rs1042098	SLC6A3 T55729C	A	AG	+/-
rs40184	SLC6A3 G55467A	C	TT	-/-
rs11564771	SLC6A3 C51747T	A	GG	-/-
rs11133767	SLC6A3 G48964A	C	CT	+/-
rs6347	SLC6A3 A39132G	T	CT	+/-
rs27048	SLC6A3 `	T	CT	+/-
rs464049	SLC6A3 T26639C	A	AG	+/-
rs460000	SLC6A3 C17719T	T	GT	+/-
rs403636	SLC6A3 T12190G	A	CC	-/-
rs2617605	SLC6A3 A8023G	C	CT	+/-
rs6350	SLC6A3 C7345T	A	GG	-/-
rs1650697	DHFR/MSH T-473A	A	AG	+/-
rs686	DRD1 C7464T	A	AG	+/-
rs4532	DRD1 G6014A	C	CT	+/-
rs5326	DRD1 G5968A	T	CC	-/-
rs265981	DRD1 T5262C	A	AG	+/-
rs2242041	DDC G108706C	G	CG	+/-
rs11575542	DDC G1385A	T	CC	-/-

Neurotransmitter Pathway: Serotonin & Dopamine

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs732215	DDC T94092G	C	AA	-/-
rs1451371	DDC A85104G	C	TT	-/-
rs2167364	DDC T155196C	T	CT	+/-
rs1470750	DDC C166017G	G	CC	-/-
rs6263	DDC A415G	C	TT	-/-
rs3735273	DDC C186233T	T	CT	+/-
rs998850	DDC G196757C	C	GG	-/-
rs10499695	DDC A19551G	C	TT	-/-
rs1451375	DDC G15443T	A	AA	+/+
rs921451	DDC A14870G	T	CC	-/-
rs3829897	DDC G219133T	G	TT	-/-
rs1800783	NOS3 A6251T	T	AA	-/-
rs1800779	NOS3 G6797A	A	GG	-/-
rs3918188	NOS3 C19635T	A	CC	-/-
rs1611115	DBH variant	T	CT	+/-
rs2007153	DBH T7335C	T	CT	+/-
rs2519155	DBH T8114C	T	CT	+/-
rs1108580	DBH A486G	A	AG	+/-
rs1108581	DBH A8757G	G	AA	-/-
rs2873804	DBH T9160C	T	CT	+/-
rs5324	DBH G12174A	A	GG	-/-
rs1611123	DBH C12599T	T	CT	+/-
rs1611125	DBH C12828T	T	CT	+/-
rs4531	DBH G952T	T	GG	-/-
rs2519152	DBH T13150C	C	CT	+/-
rs1541332	DBH G15032A	A	AG	+/-
rs2519154	DBH T15791C	C	CT	+/-
rs2797853	DBH T16031C	T	CT	+/-
rs2283123	DBH C18813T	T	CC	-/-
rs77905	DBH A1410G	A	AG	+/-

Neurotransmitter Pathway: Serotonin & Dopamine

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2097628	DBH T2145C	A	AA	+/+
rs11599164	ANK3 C666301A	T	GG	-/-
rs9804190	ANK3 G658454A	C	CC	+/+
rs10761482	ANK3 T62085337C	C	CC	+/+
rs10994336	ANK3 G318473A	T	CT	+/-
rs1938526	ANK3 T197902C	G	AG	+/-
rs3758653	DRD4 T4095C	C	TT	-/-
rs916457	DRD4 C4710T	T	CC	-/-
rs11246226	DRD4 C8887A	A	AC	+/-
rs2070762	TH T1090C	G	AG	+/-
rs28934580	TH G1010A/R337H	T	CC	-/-
rs28934581	TH A733C	G	TT	-/-
rs6356	TH V112M	T	CT	+/-
rs1800497	ANKK1 E713K	A	GG	-/-
rs2234689	DRD2 C72519G	G	CG	+/-
rs2242592	DRD2 C71572T	G	AG	+/-
rs6277	DRD2 C957T	A	AG	+/-
rs1076560	DRD2 G67314T	A	CC	-/-
rs2283265	DRD2 G65466T	A	CC	-/-
rs2734838	DRD2 T64501C	G	GG	+/+
rs2440390	DRD2 A64124G	C	CC	+/+
rs1079727	DRD2 A61820G	C	TT	-/-
rs1076563	DRD2 T55093G	A	CC	-/-
rs1079597	DRD2 G54716A	T	CC	-/-
rs1079596	DRD2 G54383A	T	CC	-/-
rs1125394	DRD2 A53817G	T	TT	+/+
rs2471857	DRD2 G52663A	T	CC	-/-
rs4436578	DRD2 G44237A	T	TT	+/+
rs4620755	DRD2 C41383T	A	GG	-/-
rs11214606	DRD2 G41133A	T	CC	-/-

Neurotransmitter Pathway: Serotonin & Dopamine

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4648318	DRD2 A37613G	C	TT	-/-
rs4648319	DRD2 C36639T	G	GG	+/+
rs17529477	DRD2 C33935T	A	AA	+/+
rs4245146	DRD2 A33029G	C	TT	-/-
rs4936270	DRD2 A32594G	T	CC	-/-
rs4274224	DRD2 C31550T	G	GG	+/+
rs4581480	DRD2 G26528A	C	TT	-/-
rs7131056	DRD2 T21228G	A	CC	-/-
rs4648317	DRD2 C19470T	A	GG	-/-
rs4938019	DRD2 A9611G	C	TT	-/-
rs1799978	DRD2 A4651G	T	TT	+/+
rs12364283	DRD2 T4047C	G	AA	-/-
rs1006737	CACNA1C G115699A	A	AA	+/+
rs2159100	CACNA1C C271442T	T	TT	+/+
rs216013	CACNA1C A2729632G	G	AA	-/-
rs2302729	CACNA1C T709021C	T	CC	-/-
rs1801153	PAH G*187A	T	CC	-/-
rs5030861	PAH IVS12+1G>A	T	CC	-/-
rs28934899	PAH R413P	G	CC	-/-
rs5030858	PAH R408W	A	GG	-/-
rs5030857	PAH A403V	A	GG	-/-
rs2245360	PAH C81837T	A	GG	-/-
rs772897	PAH G1155C	G	CC	-/-
rs5030855	PAH IVS10-11G>A	T	CC	-/-
rs5030853	PAH A300S	A	CC	-/-
rs5030852	PAH IVS7+1G>A	T	CC	-/-
rs5030849	PAH G782A	T	CC	-/-
rs1042503	PAH G735A	T	CT	+/-
rs3817446	PAH A55562G	C	CT	+/-
rs1718301	PAH C45188T	A	GG	-/-

Neurotransmitter Pathway: Serotonin & Dopamine

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1522305	PAH C35625G	G	CG	+/-
rs10778209	PAH T32409C	A	GG	-/-
rs11111419	PAH T31338A	T	AT	+/-
rs62507347	PAH A27743C	C	TT	-/-
rs1522307	PAH T17864C	G	AG	+/-
rs5030841	PAH L48S	G	AA	-/-
rs1522296	PAH C5594T	A	AG	+/-
rs2238151	ALDH2 T12488C	T	CT	+/-
rs4648328	ALDH2 C23443T	T	CT	+/-
rs441	ALDH2 T29504C	C	CT	+/-
rs968529	ALDH2 T35023C	C	CT	+/-
rs4646778	ALDH2 C36438A	A	AC	+/-
rs671	ALDH2 G1369A	A	GG	-/-
rs16941667	ALDH2 C45068T	T	CC	-/-
rs2293054	NOS1 T2202C	A	AG	+/-
rs7298903	NOS1 A57373G	C	TT	-/-
rs10483639	GCH1 G55306457C	C	GG	-/-
rs752688	GCH1 G62974A	T	CC	-/-
rs4411417	GCH1 A53980G	C	TT	-/-
rs2878169	GCH1 variant	T	GG	-/-
rs7492600	GCH1 C37668A	T	GT	+/-
rs12147422	GCH1 A30528G	T	CT	+/-
rs3783637	GCH1 G26425A	C	CT	+/-
rs998259	GCH1 G19512A	T	CC	-/-
rs7147286	GCH1 C15878T	G	GG	+/+
rs3783641	GCH1 A14404T	A	TT	-/-
rs3783642	GCH1 A14340G	T	TT	+/+
rs8017210	GCH1 C12707T	A	GG	-/-
rs8007267	GCH1 C36378991T	C	CC	+/+
rs2242446	SLC6A2 C5884T	T	CT	+/-

Neurotransmitter Pathway: Serotonin & Dopamine

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs3785143	SLC6A2 C10565T	T	CT	+/-
rs1532701	SLC6A2 G13486A	G	AG	+/-
rs36020	SLC6A2 C28547T	T	CT	+/-
rs3785152	SLC6A2 T32009C	T	CC	-/-
rs40147	SLC6A2 G32299A	G	AG	+/-
rs10521329	SLC6A2 C35917A	A	CC	-/-
rs4564560	SLC6A2 A40223G	G	AG	+/-
rs11568324	SLC6A2 C41517T	T	CC	-/-
rs3785157	SLC6A2 C45295T	T	CT	+/-
rs5568	SLC6A2 A45583C	C	AC	+/-
rs1566652	SLC6A2 G47034T	T	GT	+/-
rs36009	SLC6A2 C48079T	T	CC	-/-
rs5558	SLC6A2 T49018G	G	TT	-/-
rs2242447	SLC6A2 C51371T	T	TT	+/+
rs7946	PEMT G634A	T	TT	+/+
rs4646406	PEMT T17020543A	T	AT	+/-
rs4244593	PEMT T17023592G	T	GT	+/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs2297518	NOS2 C1823T	A	AG	+/-
rs2274894	NOS2 T836165G	T	GT	+/-
rs2248814	NOS2 T32235C	A	AG	+/-
rs876493	PNMT G-184A	A	AG	+/-
rs5638	PNMT A456G	G	AA	-/-
rs11077820	AANAT C10236T	T	TT	+/+
rs1544325	COMT A7406G	A	GG	-/-
rs5993883	COMT T13376G	T	GG	-/-
rs4646312	COMT T24075C	C	CT	+/-
rs6269	COMT A-1324G	G	AG	+/-

Neurotransmitter Pathway: Serotonin & Dopamine

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4633	COMT H62H	T	CT	+/-
rs2239393	COMT A 26166G	G	AG	+/-
rs740601	COMT T26501G	T	GT	+/-
rs4680	COMT V158M	A	AG	+/-
rs769224	COMT -61 P199P	A	GG	-/-
rs4646316	COMT C27870T	T	CT	+/-
rs165774	COMT G28299A	A	AG	+/-
rs174696	COMT C28914T	C	TT	-/-
rs174699	COMT C30196T	C	TT	-/-
rs9332377	COMT C31430T	T	CC	-/-
rs165599	COMT G*522A	A	AA	+/+

Other Immune Factors

20 variants found 2 6 12

Risk Summary: 2 high risk variants, 6 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs10181656	STAT4 variant	G	CG	+/-
rs10210302	ATG16L1 C234158839T	C	CC	+/+
rs6822844	4q27 Region 123509421G>T	G	GT	+/-
rs479405	DMGDH G67591T	C	AC	+/-
rs532964	DMGDH T835C	A	AG	+/-
rs2069812	IL5 A131879916G	G	AG	+/-
rs20541	IL-13 variant	A	AG	+/-
rs1800629	TNF -308 variant	A	GG	-/-
rs361525	TNF -238 variant	A	GG	-/-
rs660895	HLA-DRB1 variant	G	AA	-/-
rs28940879	TYR (MeFV) V726A variant	A	GG	-/-
rs28940578	MeFV M694I variant	T	CC	-/-
rs28940580	MeFV M680I variant	G	CC	-/-
rs11466023	MeFV P369S variant	A	GG	-/-
rs3743930	MeFV E148Q variant	G	CC	-/-
rs1801275	IL4R Q576R variant	G	AA	-/-
rs7216389	GSDMB variant	T	CC	-/-
rs17851582	GAMT C9110T	G	GG	+/+
rs55776826	GAMT G7497A	T	CC	-/-
rs429358	APOE ApoE epsilon 4	C	TT	-/-

Pentose Phosphate Pathway

38 variants found 6 21 11

(See Figure 10)

Risk Summary: 6 high risk variants, 21 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2268169	H6PD G9321241A	A	AG	+/-
rs6688832	H6PD G9323910A	G	AG	+/-
rs2071931	H6PD C9329289T	T	CT	+/-
rs855315	PGM1 A64069612G	G	AA	-/-
rs2269260	PGM1 G64085337A	A	AG	+/-
rs2269241	PGM1 T64108771C	G	TT	-/-
rs4643	PGM1 A64125439C	C	AA	-/-
rs6702820	DDR2 A162603881G	G	AA	-/-
rs10917577	DDR2 A162613975G	G	AG	+/-
rs10494373	DDR2 A162619362C	C	AA	-/-
rs10799854	DDR2 C162619828T	T	CT	+/-
rs12044481	DDR2 G162635875A	A	GG	-/-
rs6693632	DDR2 T162648343C	C	TT	-/-
rs7553831	DDR2 T162661011G	G	GT	+/-
rs4559477	DDR2 T162681151G	T	GG	-/-
rs4666014	RBKS G28019175A	G	GG	+/+
rs4464229	RBKS C28038080T	C	CC	+/+
rs1667627	MTHFD2 C8503T	C	CT	+/-
rs4687717	TKT T53282188C	T	CT	+/-
rs1650697	DHFR/MSH T-473A	A	AG	+/-
rs7768030	PHACTR1 12822973A>C	A	AA	+/+
rs9296486	PHACTR1 12848969T>G	G	GG	+/+
rs9349379	PHACTR1 12903957A>G	G	AG	+/-
rs12526453	PHACTR1 12927544C>G	C	CC	+/+
rs6906890	PHACTR1 12961220A>G	G	AG	+/-
rs10485363	PHACTR1 13137765G>T	T	GT	+/-
rs4715166	PHACTR1 13216058A>G	G	AG	+/-
rs202072	PHACTR1 13268211A>G	A	GG	-/-
rs11754661	MTHFD1L G25264A	G	GG	+/+
rs17349743	MTHFD1L T31397C	C	CT	+/-

Pentose Phosphate Pathway

(See Figure 10)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs803422	MTHFD1L A33780G	A	AG	+/-
rs6922269	MTHFD1L G71171A	A	AG	+/-
rs4129219	FBP1 T97390288C	C	TT	-/-
rs11246300	TALDO1 C749776T	T	CT	+/-
rs1076991	MTHFD1 C105T	C	CT	+/-
rs2236225	MTHFD1 R635Q	A	AG	+/-
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CT	+/-

Thiamin/Thiamine Degradation

46 variants found 8 19 19

(See Figure 11)

Risk Summary: 8 high risk variants, 19 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4460661	WDC1 (ADP) C27583993T	C	CT	+/-
rs4646487	CYP4B1 R173W	T	CC	-/-
rs2297810	CYP4B1 M332I	A	GG	-/-
rs59694031	CYP4B1 C370S	C	GG	-/-
rs2297809	CYP4B1 R376C	T	CC	-/-
rs12059860	CYP4B1 T25254C	C	TT	-/-
rs6656822	SLC19A2 A23663G	T	TT	+/+
rs12185692	GAD1 (GAD) C2627A	A	AC	+/-
rs3791878	GAD1 (GAD) G3992T	G	GT	+/-
rs3749034	GAD1 (GAD) G5276A	A	GG	-/-
rs2241165	GAD1 (GAD) C10180T	T	TT	+/+
rs3828275	GAD1 (GAD) C14541T	T	CT	+/-
rs2058725	GAD1 (GAD) T21922C	C	TT	-/-
rs769407	GAD1 (GAD) G25509C	C	CG	+/-
rs3791851	GAD1 (GAD) T30473C	C	CT	+/-
rs701492	GAD1 (GAD) C34281T	C	CT	+/-
rs3791850	GAD1 (GAD) G39901A	G	GG	+/+
rs12185721	SLC19A3 L252L	T	CC	-/-
rs4687717	TKT T53282188C	T	CT	+/-
rs9993224	RFC1 C39300198T	T	CT	+/-
rs2066789	RFC1 G39308187A	G	GG	+/+
rs6851075	RFC1 T39367654C	C	CT	+/-
rs969356	TPK1 C364824T	G	AG	+/-
rs430397	HSPA5 (GRP78) G7548A	T	CT	+/-
rs2236418	GAD2 (GAD) A26505496G	A	AA	+/+
rs8190612	GAD2 (GAD) C26512375T	T	CC	-/-
rs8190646	GAD2 (GAD) A26520507G	G	AA	-/-
rs2368160	GAD2 (GAD) G26540771A	G	GG	+/+
rs1049982	CAT T5070C	T	CT	+/-
rs480575	CAT A12175G	G	AG	+/-

Thiamin/Thiamine Degradation

(See Figure 11)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs11032703	CAT C14185T	T	CC	-/-
rs2300181	CAT C21068T	T	CT	+/-
rs7320729	ATP8A2 (ATP) T7044148C	T	CT	+/-
rs6491066	ATP8A2 (ATP) F561F	T	CT	+/-
rs3117849	ATP8A2 (ATP) G7279179A	A	GG	-/-
rs306395	ATP8A2 (ATP) A7430564G	A	AA	+/+
rs3783139	ATP8A2 (ATP) T7520642C	C	TT	-/-
rs912514	ATP8A2 (ATP) C7524369T	C	CT	+/-
rs975508	ATP8A2 (ATP) A7545586G	A	AG	+/-
rs12613	CBS G*299A	T	CC	-/-
rs1051296	SLC19A1 T32525G	C	AA	-/-
rs35786590	SLC19A1 A518V	A	GG	-/-
rs4818789	SLC19A1 C18559A	G	TT	-/-
rs914232	SLC19A1 A14636G	T	CC	-/-
rs2330183	SLC19A1 G14094A	T	TT	+/+
rs1051266	SLC19A1 H27R	T	CC	-/-

Thyroid

7 variants found 2 2 3

Risk Summary: 2 high risk variants, 2 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs231775	CTLA4 Thr17Ala	G	AA	-/-
rs1867277	FOXE1 5378A>G	A	AG	+/-
rs10984009	FOXE1 8124G>A	A	GG	-/-
rs12934922	BCMO1 R267S Arg267Ser	T	TT	+/+
rs4889294	BCMO1 36464T>C	C	CC	+/+
rs7501331	BCMO1 A379V Ala379Val	T	CT	+/-
rs1800458	TTR Gly26Ser	A	GG	-/-

Trans-Sulfuration Pathway

26 variants found 5 15 6

(See Figure 8)

Risk Summary: 5 high risk variants, 15 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs10889869	CTH G6010A	A	AG	+/-
rs681475	CTH T8763C	C	CC	+/+
rs1145920	CTH A11886G	A	GG	-/-
rs12723350	CTH T16147C	C	TT	-/-
rs663649	CTH G25229T	T	GT	+/-
rs515064	CTH A32114G	G	AG	+/-
rs1021737	CTH S4031I	T	GT	+/-
rs6458690	MUT T24234C	G	AG	+/-
rs705703	SUOX C5444T	T	CC	-/-
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CT	+/-
rs296366	SULT2A1 A20117G	C	CC	+/+
rs11569679	SULT2A1 G781A	T	CC	-/-
rs4149452	SULT2A1 G17136A	T	CT	+/-
rs4149449	SULT2A1 G9696A	T	CT	+/-
rs2547231	SULT2A1 G9598T	A	AA	+/+
rs2273684	GSS A18836C	T	TT	+/+
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	CC	+/+
rs6088659	GSS A5997G	T	CT	+/-
rs706209	CBS C*351T	A	AG	+/-
rs706208	CBS T*330C	A	AG	+/-
rs1801181	CBS A360A	A	AG	+/-
rs4920037	CBS C19150T	A	AG	+/-
rs234706	CBS C699T	A	AG	+/-
rs2851391	CBS A13637G	T	CT	+/-

Yeast/Alcohol Metabolism

10 variants found 5 5

(See Figure 7)

Risk Summary: 5 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2238151	ALDH2 T12488C	T	CT	+/-
rs4648328	ALDH2 C23443T	T	CT	+/-
rs441	ALDH2 T29504C	C	CT	+/-
rs968529	ALDH2 T35023C	C	CT	+/-
rs4646778	ALDH2 C36438A	A	AC	+/-
rs671	ALDH2 G1369A	A	GG	-/-
rs16941667	ALDH2 C45068T	T	CC	-/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-

Figure 1: Liver Detox - Phase II

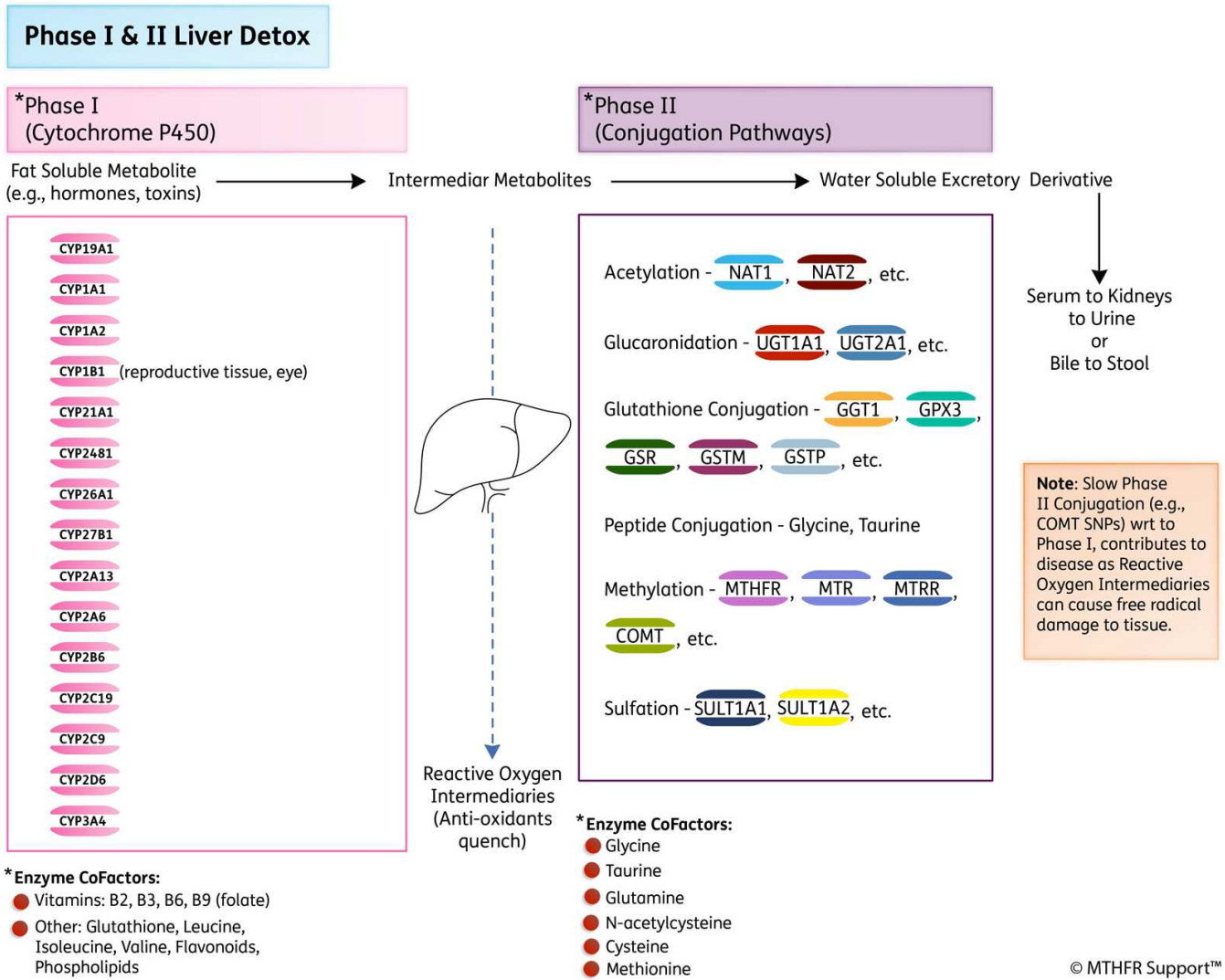
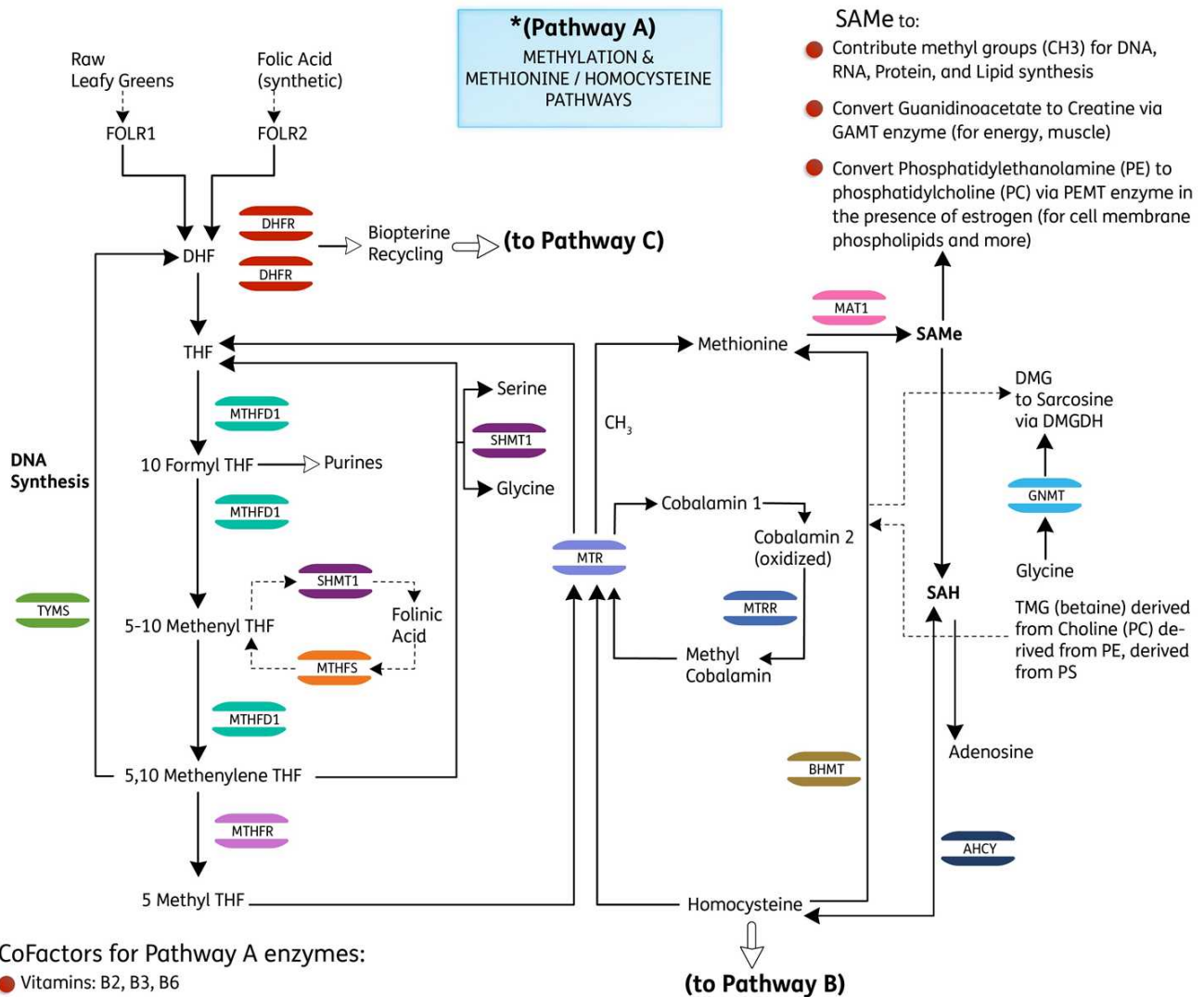


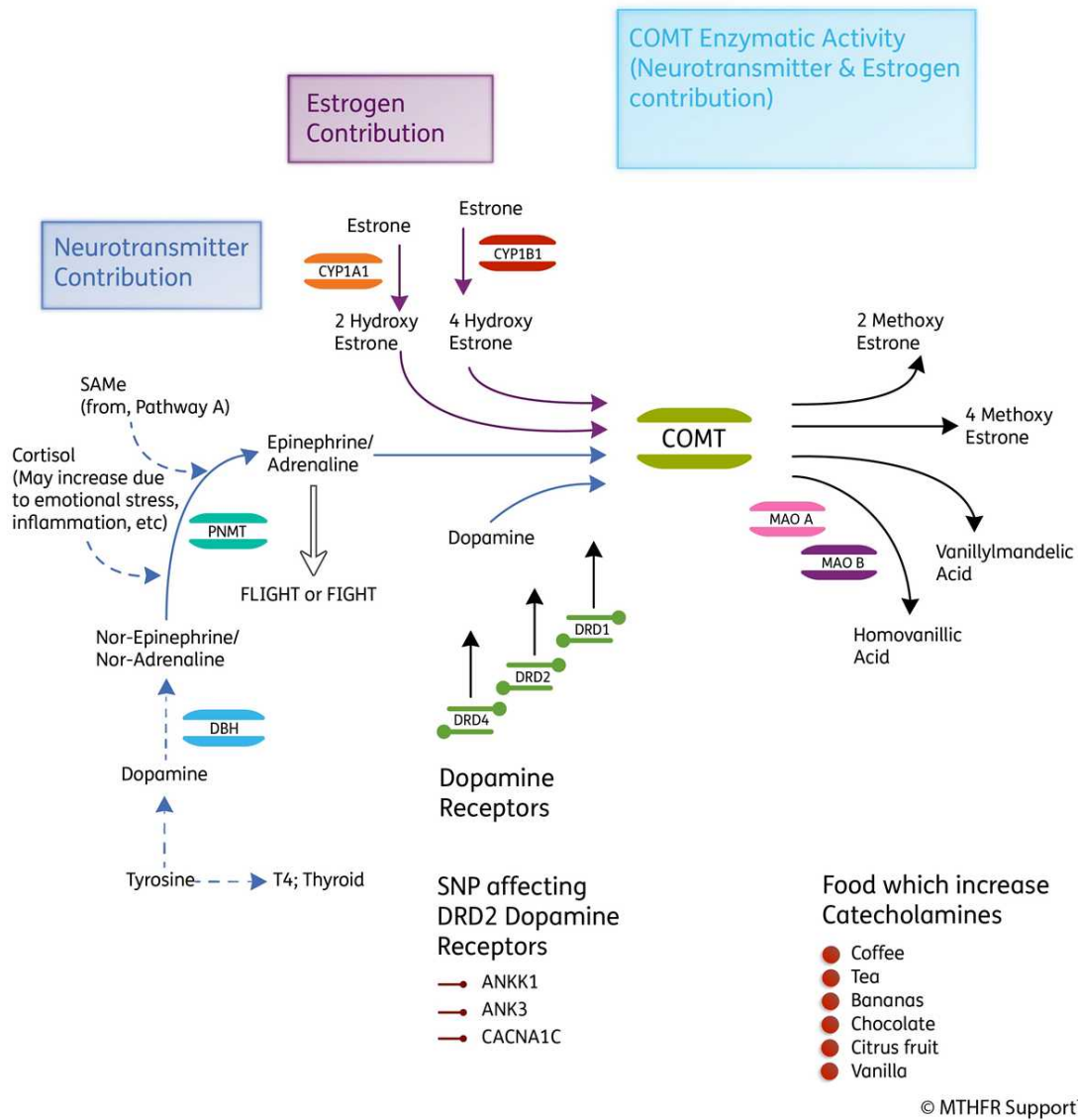
Figure 2: Methylation & Methionine/Homocysteine Pathways



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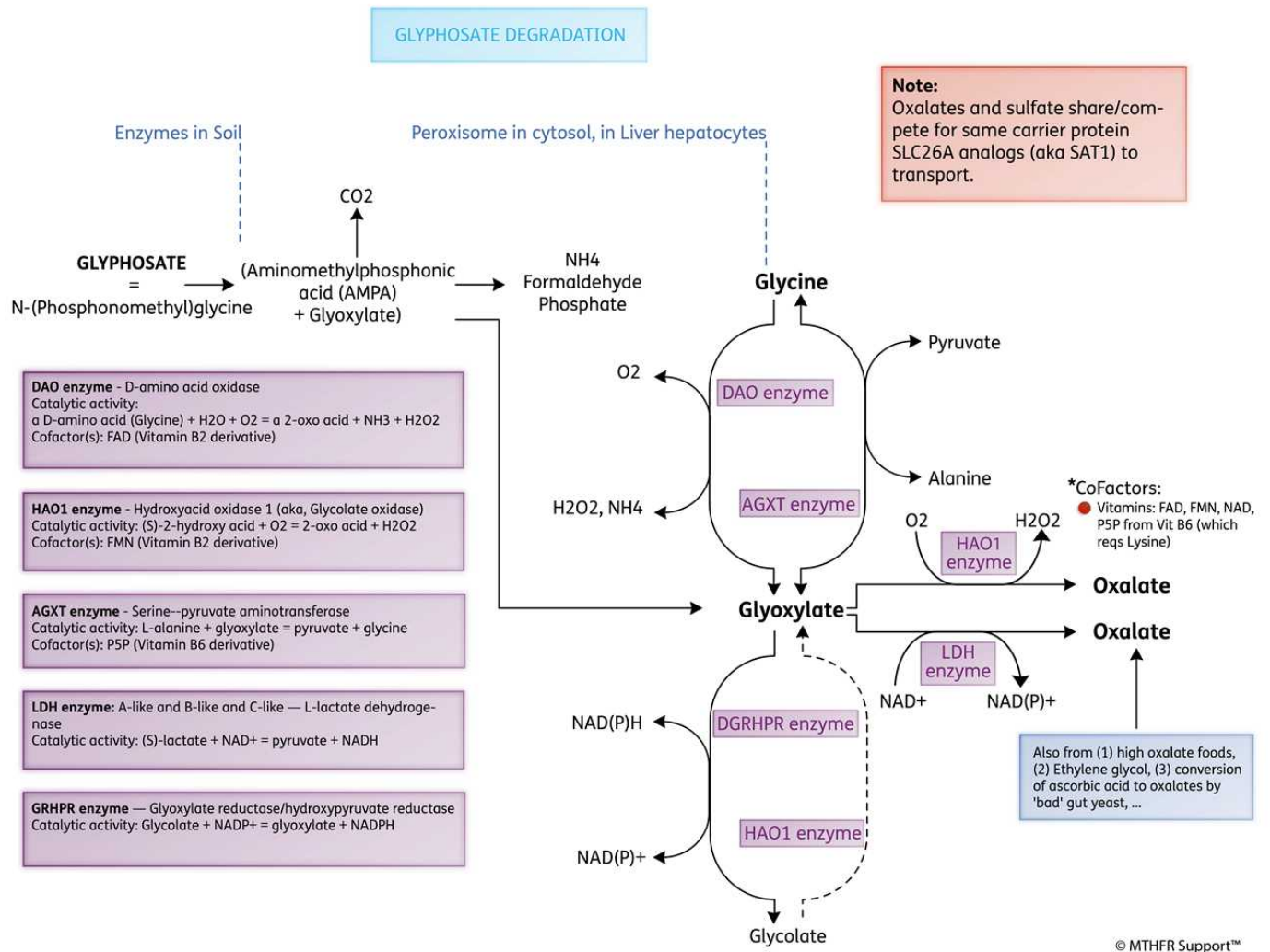
Pathway diagram illustrating genetic variants and their interactions in the Methylation & Methionine/Homocysteine Pathways category. Refer to your specific variant results in the corresponding category section.

Figure 4: COMT Activity



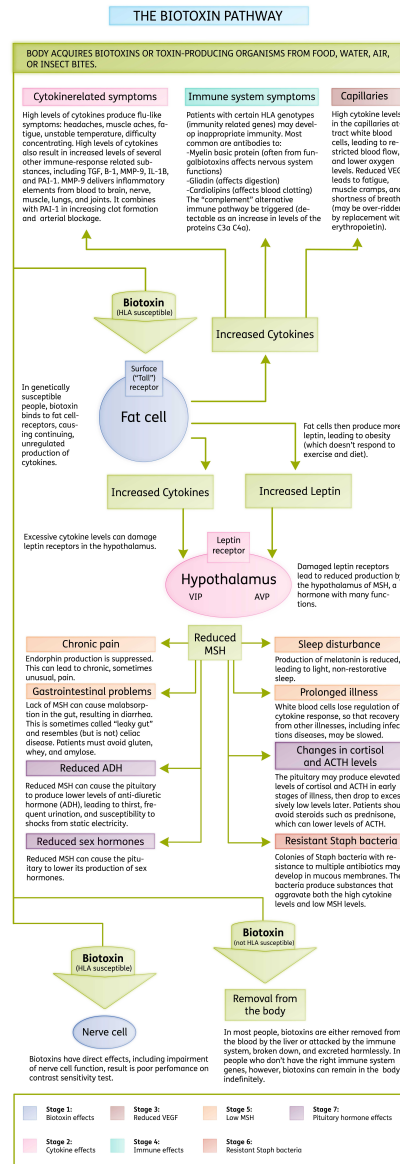
Pathway diagram illustrating genetic variants and their interactions in the COMT Activity category. Refer to your specific variant results in the corresponding category section.

Figure 5: Glyoxylate Metabolic Process



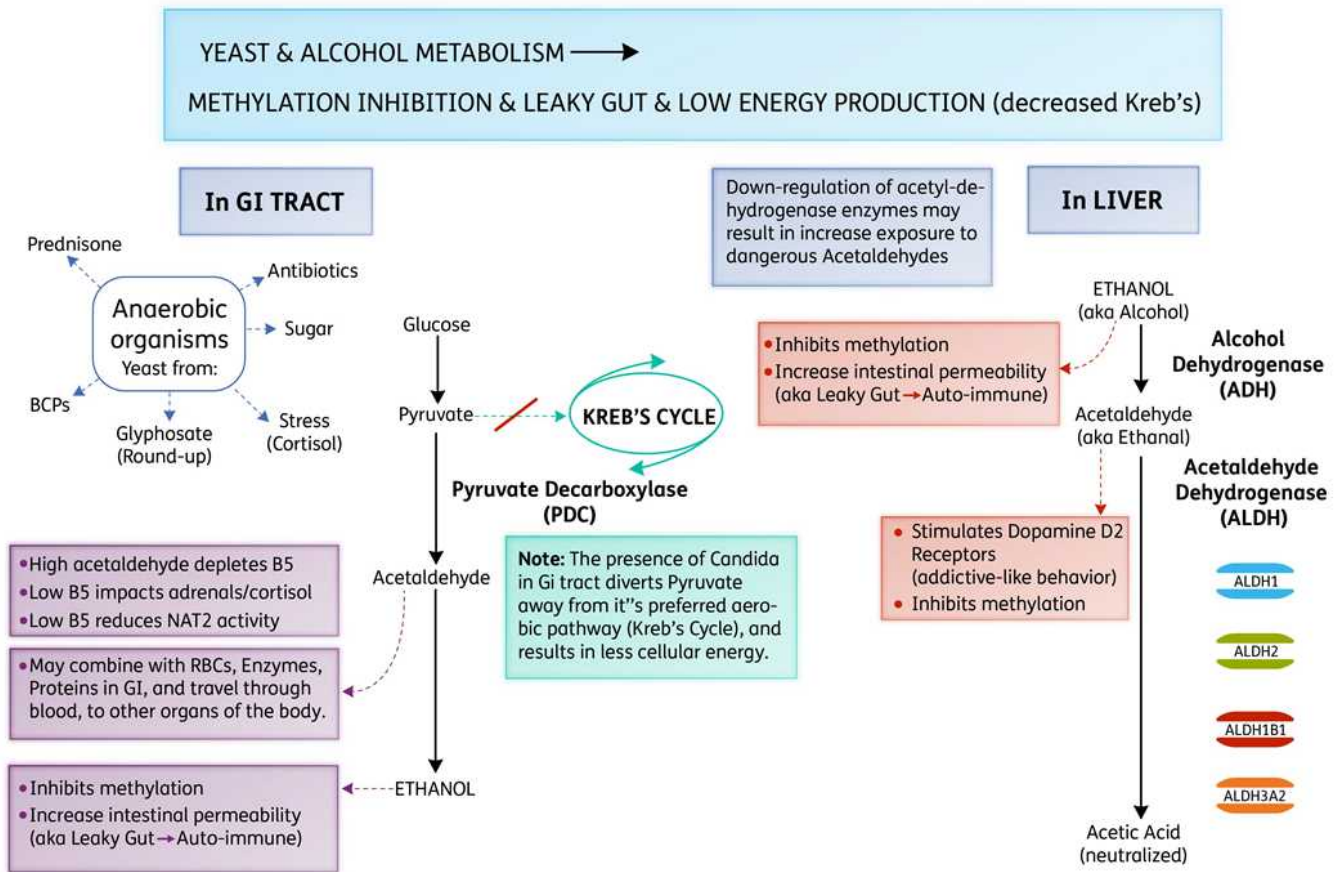
Pathway diagram illustrating genetic variants and their interactions in the Glyoxylate Metabolic Process category. Refer to your specific variant results in the corresponding category section.

Figure 6: HLA



Pathway diagram illustrating genetic variants and their interactions in the HLA category. Refer to your specific variant results in the corresponding category section.

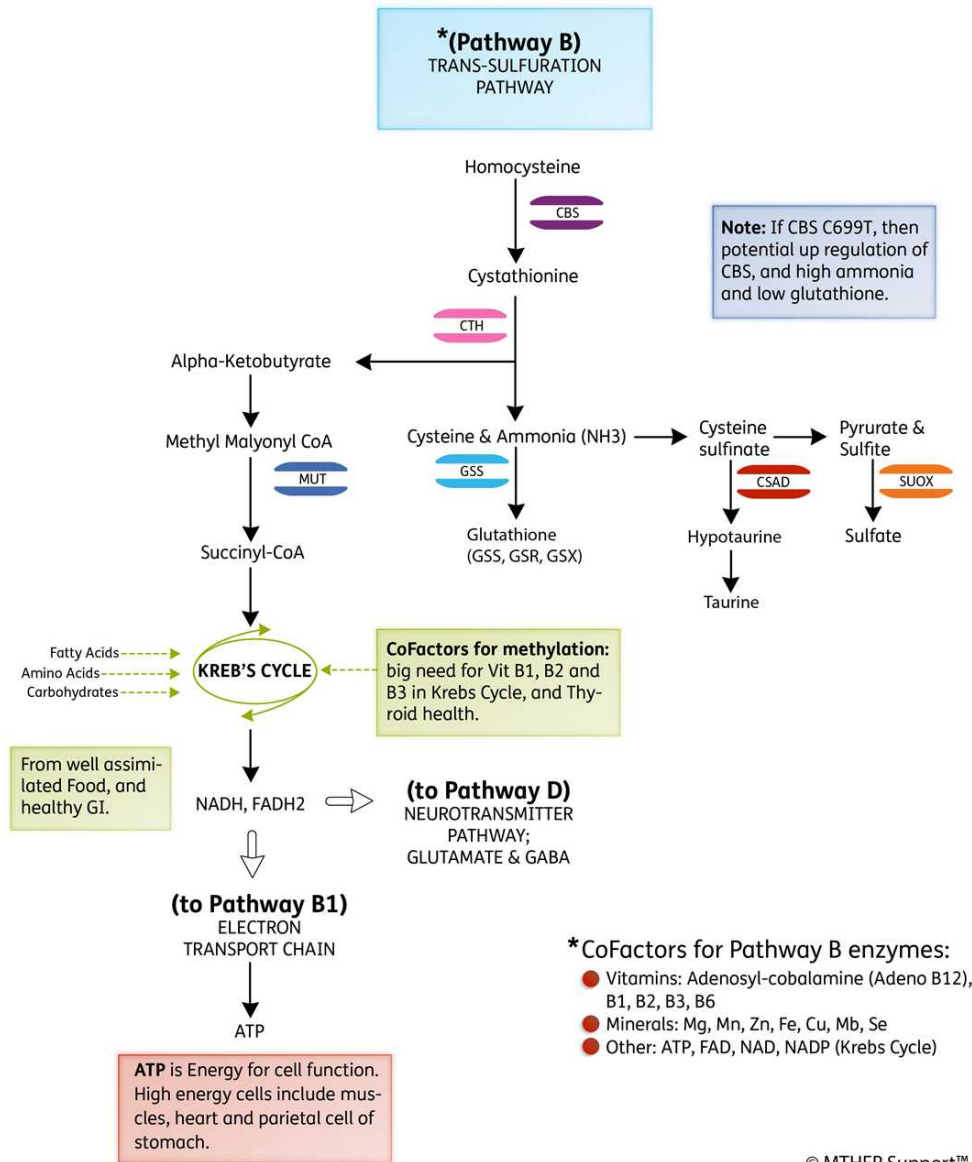
Figure 7: Yeast/Alcohol Metabolism



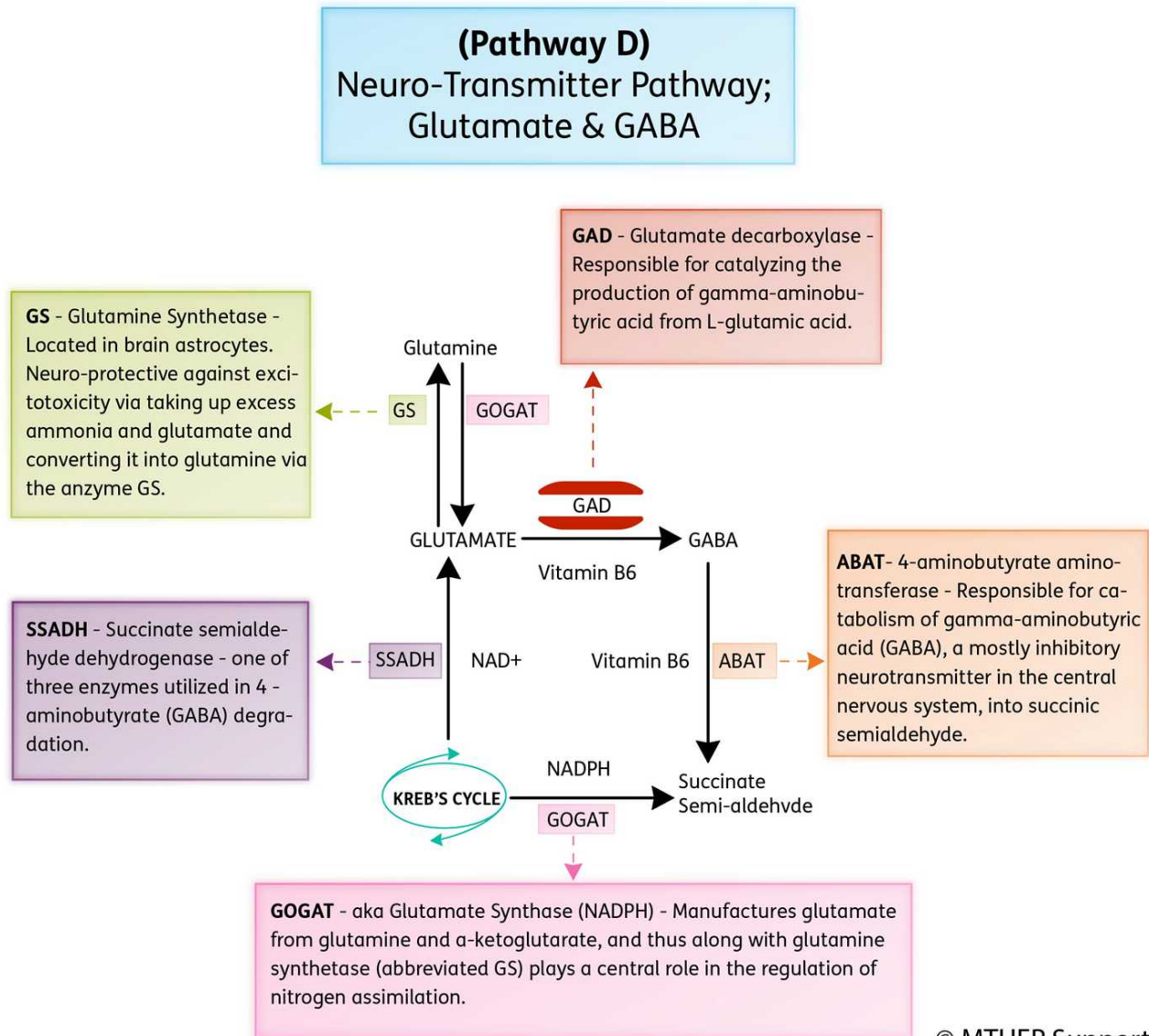
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Pathway diagram illustrating genetic variants and their interactions in the Yeast/Alcohol Metabolism category. Refer to your specific variant results in the corresponding category section.

Figure 8: Trans-Sulfuration Pathway

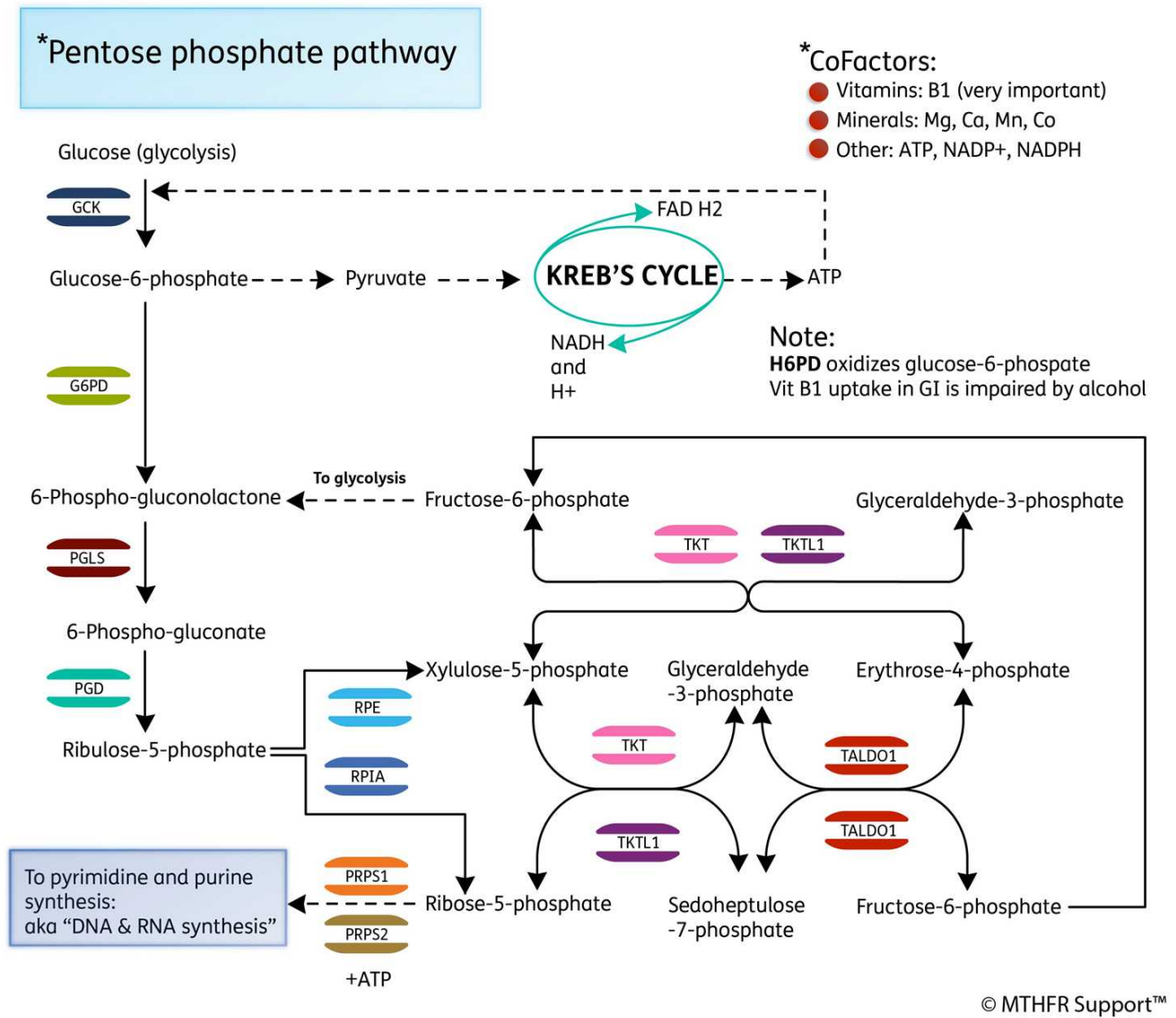


Pathway diagram illustrating genetic variants and their interactions in the Trans-Sulfuration Pathway category. Refer to your specific variant results in the corresponding category section.

Figure 9: Neurotransmitter Pathway: Glutamate & GABA


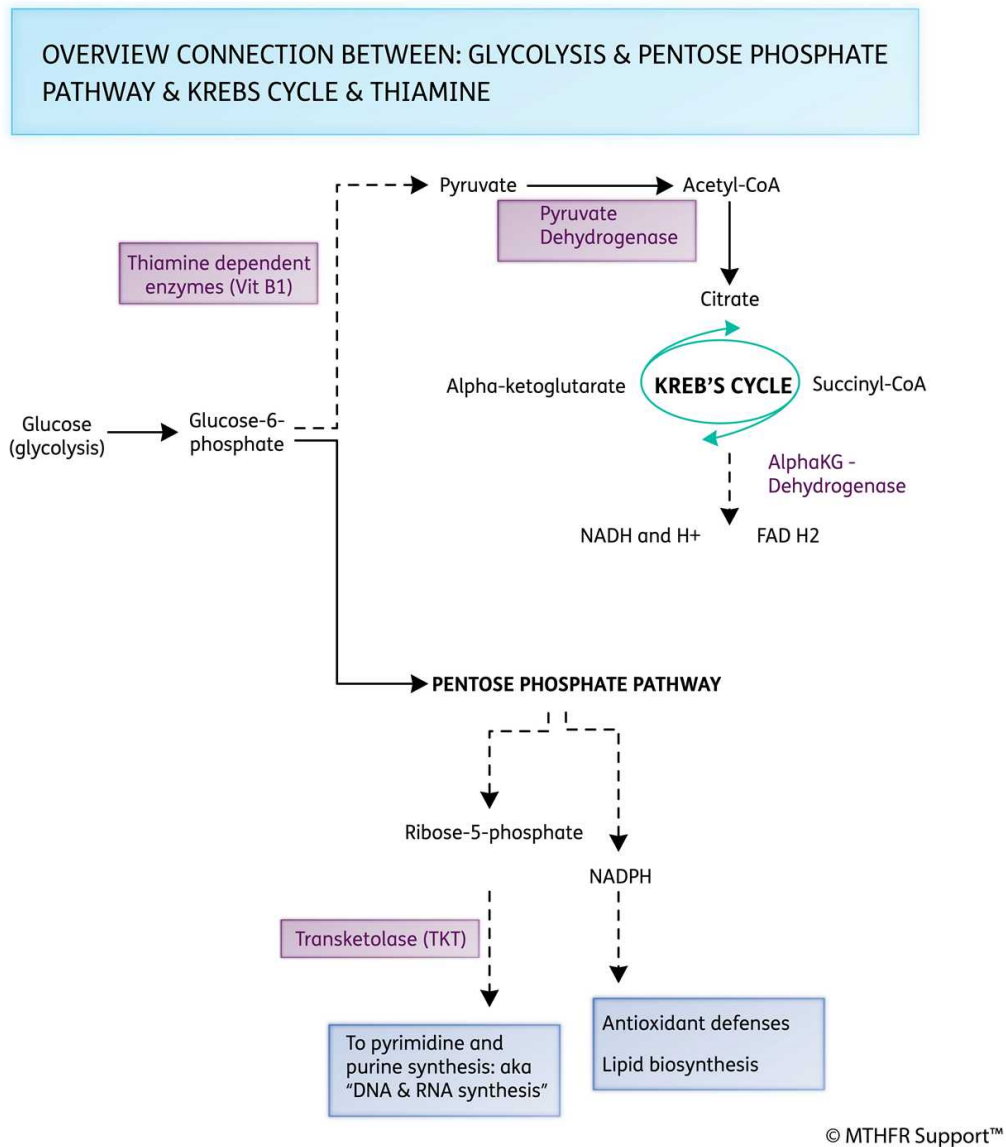
Pathway diagram illustrating genetic variants and their interactions in the Neurotransmitter Pathway: Glutamate & GABA category. Refer to your specific variant results in the corresponding category section.

Figure 10: Pentose Phosphate Pathway



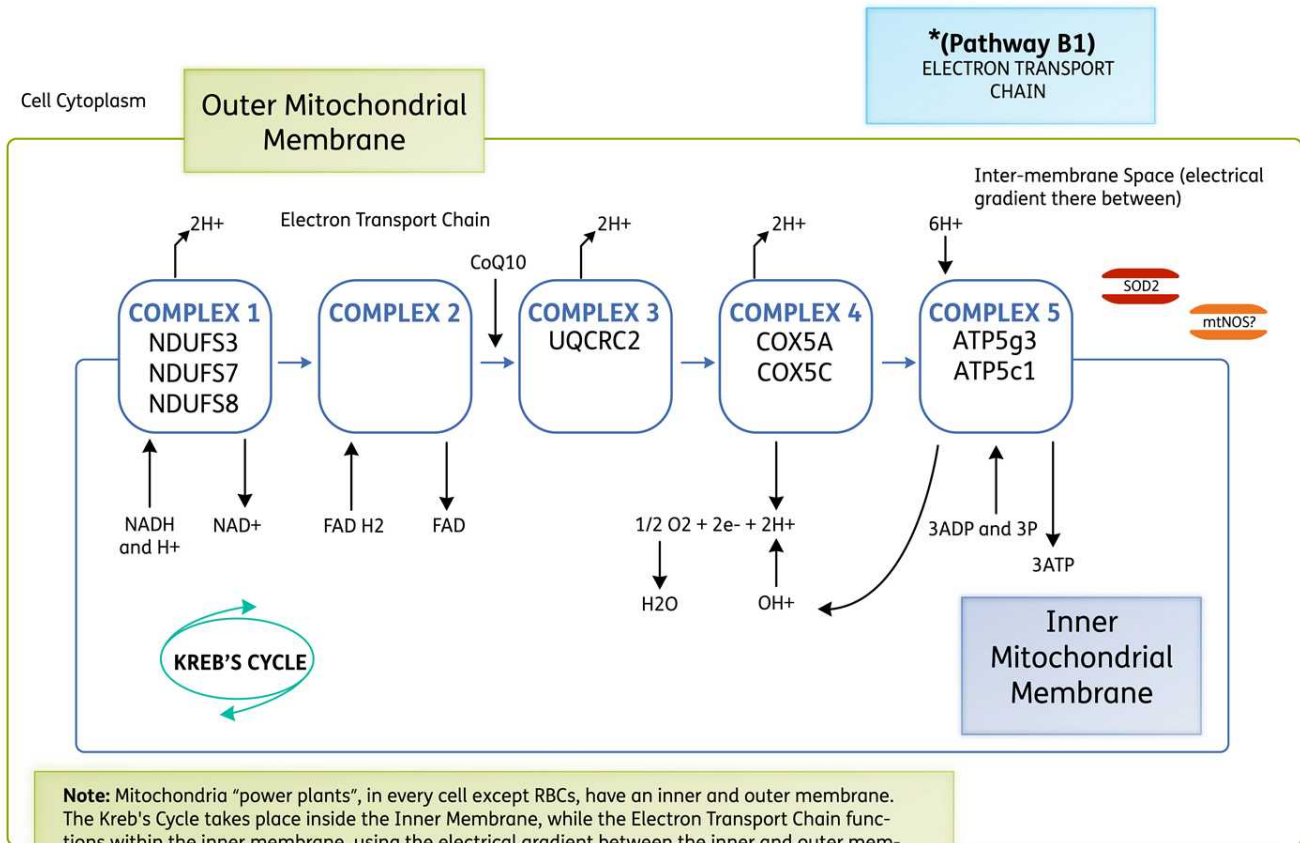
Pathway diagram illustrating genetic variants and their interactions in the Pentose Phosphate Pathway category. Refer to your specific variant results in the corresponding category section.

Figure 11: Thiamin/Thiamine Degradation



Pathway diagram illustrating genetic variants and their interactions in the Thiamin/Thiamine Degradation category. Refer to your specific variant results in the corresponding category section.

Figure 12: Mitochondrial Function



Note: Mitochondria "power plants", in every cell except RBCs, have an inner and outer membrane. The Krebs Cycle takes place inside the Inner Membrane, while the Electron Transport Chain functions within the inner membrane, using the electrical gradient between the inner and outer membrane. Healthy membranes are key, as are good assimilation of fats, carbs and proteins (e.g., healthy GI function) which drive the Krebs cycle, along with Vitamins B1, B2 and B3.

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Pathway diagram illustrating genetic variants and their interactions in the Mitochondrial Function category. Refer to your specific variant results in the corresponding category section.

Important Disclaimer

Medical Disclaimer: This report is intended to translate your results into an easier to understand form. It is **not intended to diagnose or treat** any medical condition.

Professional Consultation: For diagnosis or treatment, please present this report to your qualified healthcare provider or find a practitioner on the MTHFRSupport[™] website under "Find a Practitioner".

Genetic Interpretation: Genetic mutations are indicators that something *could* be affected, but they are **not a guarantee** that you are experiencing all or any of the associated issues.

Contributing Factors: Many factors influence whether genetic variants manifest as health issues, including:

- Environmental factors
- Ethnic background
- Diet and lifestyle
- Age and personal history
- Other genetic interactions

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