

Report Summary

1618

Total Variants

24

Categories

11

Pathway Figures

284

High Risk (+/+)

478

Moderate Risk (+/-)

856

Low Risk (-/-)

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Alzheimers/Cardio/Lipid

127 variants found 17 27 83

Risk Summary: 17 high risk variants, 27 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	-/-
rs1324214	F3 94997288 C15126T	A	AG	+/-
rs3917643	F3 94997288 A10547G	C	TT	-/-
rs4970834	CELSR2 -20C7927T	T	CC	-/-
rs6025	F5 Factor V Leiden FVL	T	CC	-/-
rs7542281	F5 G24331A	T	CC	-/-
rs2227589	SERPINC1 G5301A	T	CC	-/-
rs6656401	CR1 A27577G	A	AG	+/-
rs63750048	PSEN2 Ala85Val	T	CC	-/-
rs63749851	PSEN2 Thr122Pro	C	AA	-/-
rs63750197	PSEN2 Ser130Leu	T	CC	-/-
rs63750215	PSEN2 Asn141Ile	T	AA	-/-
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	-/-
rs2254958	EIF2AK2 C12900T	A	GG	-/-
rs1523127	NR1I2 C6709A	A	AA	+/ ⁺
rs1049296	TF C34378T	C	CC	+/ ⁺
rs1803274	BCHE CHE*539T	T	CT	+/-
rs1799807	BCHE A98G	T	TT	+/ ⁺
rs9898	HRG Pro204Ser	C	CT	+/-
rs13133980	APBB2 G41002946C	C	CG	+/-
rs13146272	CYP4V2 Q259K	C	AA	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs3756009	F11 A3994G	G	AG	+/-
rs2036914	F11 T10364C	C	CC	+/*
rs2289252	F11 C25264T	C	CT	+/-
rs12514426	WWC1 G179644A	A	GG	-/*
rs1801020	F12 T5046C	A	GG	-/*
rs2731672	KNG I598T GP IIIa HPA-1	T	CC	-/*
rs179943	ATXN1 C368404T	A	AG	+/-
rs1799945	HFE H63D	G	CC	-/*
rs1800562	HFE C282Y	A	GG	-/*
rs241448	TAP2 T14863C	A	AA	+/*
rs11754661	MTHFD1L G25264A	G	GG	+/*
rs2069837	IL6 A6262G	G	AA	-/*
rs11136000	CLU A58V	C	CT	+/-
rs7019241	GOLM1 C17857992T	C	CC	+/*
rs10868366	GOLM1 G88700060T	T	GG	-/*
rs4986790	TLR4 D299G	G	AA	-/*
rs908832	ABCA2 T15891C	A	GG	-/*
rs1880676	CHAT Asp7Asn	A	AG	+/-
rs3810950	CHAT A120T	A	AG	+/-
rs1937	TFAM Ser12Thr	C	GG	-/*
rs6583817	IDE G91606A	C	CC	+/*
rs4646954	IDE C5026T	A	GG	-/*
rs911541	ENTPD7 G101433392A	A	AA	+/*
rs3740199	ADAM12 G63103C	C	CG	+/-
rs17571	CTSD A58V	A	GG	-/*
rs11030104	BDNF T64089C	A	AG	+/-
rs2049045	BDNF C54365G	C	CG	+/-
rs5896	F2 C494T	T	CT	+/-
rs10793294	GAB2 G137466T	A	AA	+/*
rs2373115	GAB2 G42719T	G	CC	-/*
rs7946599	SORL1 G105680A	A	GG	-/*
rs2298814	SORL1 G106922A	A	GG	-/*
rs6589885	SORL1 G108082A	A	GG	-/*
rs720099	SORL1 T115833C	C	TT	-/*
rs11218342	SORL1 T121434428C	C	TT	-/*
rs1784919	SORL1 T121705C	T	CC	-/*
rs1792124	SORL1 A123560G	A	GG	-/*
rs3781835	SORL1 G130294A	A	GG	-/*
rs3781838	SORL1 T135557G	G	TT	-/*
rs10892759	SORL1 G146128A	G	GG	+/*
rs1792113	SORL1 A146986G	G	GG	+/*
rs669	A2M Ile1000Val	C	TT	-/*
rs11609582	A2M A9242623T	T	AA	-/*
rs12316150	OLR1 T17500A	T	AA	-/*
rs2160525	LRP6 T154522C	A	AG	+/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1012672	LRP6 Cys1270	A	GG	-/-
rs2302685	LRP6 V1062I	C	CT	+/-
rs2248663	RNF219 T79207588C	C	TT	-/-
rs6046	F7 A353G Arg329Gln	A	GG	-/-
rs3211719	F10 113777509 A5397C	A	AG	+/-
rs63749824	PSEN1 Ala75Val	T	CC	-/-
rs63750599	PSEN1 Leu81Pro	C	TT	-/-
rs63750815	PSEN1 Val85Leu	T	GG	-/-
rs63751037	PSEN1 Met135Val	G	AA	-/-
rs63749885	PSEN2 His159Tyr	T	CC	-/-
rs63750590	PSEN1 His159Arg	G	AA	-/-
rs63750577	PSEN1 Ser166Phe	T	CC	-/-
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	CT	+/-
rs63751229	PSEN1 Pro263Ser	T	CC	-/-
rs63750900	PSEN1 Arg265His	A	GG	-/-
rs63750886	PSEN1 Leu267Val	G	CC	-/-
rs63751235	PSEN1 Leu282Val	G	CC	-/-
rs17125721	PSEN1 Glu314Gly	G	AA	-/-
rs63750218	PSEN1 Leu388Pro	C	TT	-/-
rs63751223	PSEN1 Ala422Pro	C	GG	-/-
rs8702	KLC1 C.*396G	C	GG	-/-
rs1047552	APH1B T63597857A	G	TT	-/-
rs1800775	CETP C4402A	C	AA	-/-
rs5882	CETP I405V	A	AG	+/-
rs5848	GRN C12754T	T	CT	+/-
rs242557	MAPT A52950A	A	AG	+/-
rs5918	ITGB3 P1A2/T196C	C	TT	-/-
rs1800458	TTR Gly26Ser	A	GG	-/-
rs3764650	ABCA7 T1046520G	G	TT	-/-
rs892086	DNM2 G13923A	A	AA	+/*
rs688	LDLR Asn464	T	TT	+/*
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	CT	+/-
rs28931579	APOE A8455C	C	AA	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1613662	GP6 Pro219Ser	G	AA	-/-
rs1042580	THBD A7681G	C	CC	+/?
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	+/?
rs6048	F9 G580A A25386G	G	AG	+/-

COMT Activity

163 variants found 27 58 78

(See Figure 4)

Risk Summary: 27 high risk variants, 58 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	+/-
rs9828046	DRD3 C44637T	A	GG	-/-
rs9288993	DRD3 T43727C	G	AA	-/-
rs963468	DRD3 C40013T	A	AA	+/-
rs3773678	DRD3 T32822C	G	GG	+/-
rs2630349	DRD3 T29528C	G	GG	+/-
rs2630351	DRD3 T27841C	A	GG	-/-
rs167771	DRD3 C26625T	A	AA	+/-
rs324029	DRD3 T21277C	A	GG	-/-
rs10934256	DRD3 G17248T	A	CC	-/-
rs1486009	DRD3 T14368C	A	AA	+/-
rs6280	DRD3 G25A	T	TT	+/-
rs9825563	DRD3 T2680C	A	AA	+/-
rs1394016	DRD3 G20405035A	G	GG	+/-
rs251937	DRD1 A9244G	C	TT	-/-
rs4867798	DRD1 A8265G	C	CT	+/-
rs686	DRD1 C7464T	A	AG	+/-
rs4532	DRD1 G6014A	C	CT	+/-
rs5326	DRD1 G5968A	T	CC	-/-
rs265981	DRD1 T5262C	A	AG	+/-
rs1611114	DBH C3719T	T	CT	+/-
rs1611115	DBH variant	T	CC	-/-
rs3025382	DBH G5837A	A	GG	-/-
rs2007153	DBH T7335C	T	CT	+/-
rs2519155	DBH T8114C	T	TT	+/-
rs1108580	DBH A486G	A	AG	+/-
rs1108581	DBH A8757G	G	AG	+/-
rs2873804	DBH T9160C	T	CT	+/-
rs5320	DBH G631A	A	AG	+/-
rs5321	DBH G717C	C	GG	-/-
rs5324	DBH G12174A	A	GG	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1611123	DBH C12599T	T	CT	+/-
rs1611125	DBH C12828T	T	CT	+/-
rs4531	DBH G952T	T	GG	-/-
rs2519152	DBH T13150C	C	CT	+/-
rs1541332	DBH G15032A	A	AA	+/*
rs2519154	DBH T15791C	C	CT	+/-
rs2797853	DBH T16031C	T	CC	-/-
rs2283123	DBH C18813T	T	CC	-/-
rs77905	DBH A1410G	A	AG	+/-
rs2097628	DBH T2145C	A	AA	+/*
rs129882	DBH C27185T	T	CT	+/-
rs11599164	ANK3 C666301A	T	GG	-/-
rs9804190	ANK3 G658454A	C	CC	+/*
rs10761482	ANK3 T62085337C	C	CC	+/*
rs10994336	ANK3 G318473A	T	CC	-/-
rs10994397	ANK3 G219161A	T	CC	-/-
rs1938526	ANK3 T197902C	G	AA	-/-
rs3758653	DRD4 T4095C	C	CT	+/-
rs916457	DRD4 C4710T	T	CC	-/-
rs752306	DRD4 C5318T	T	CC	-/-
rs1800443	DRD4 T581G	G	TT	-/-
rs11246226	DRD4 C8887A	A	AC	+/-
rs4331145	DRD4 T643683C	T	CT	+/-
rs2070762	TH T1090C	G	GG	+/*
rs28934580	TH G1010A//R337H	T	CC	-/-
rs28934581	TH A733C	G	TT	-/-
rs7483056	TH T7517C	A	GG	-/-
rs6356	TH V112M	T	CT	+/-
rs1800497	ANKK1 E713K	A	AG	+/-
rs10891549	DRD2 A72555G	C	CT	+/-
rs2234689	DRD2 C72519G	G	CC	-/-
rs2242592	DRD2 C71572T	G	AA	-/-
rs6277	DRD2 C957T	A	AG	+/-
rs6275	DRD2 T852C	A	GG	-/-
rs1076560	DRD2 G67314T	A	AC	+/-
rs2283265	DRD2 G65466T	A	AC	+/-
rs2734838	DRD2 T64501C	G	AG	+/-
rs2440390	DRD2 A64124G	C	CC	+/*
rs1079727	DRD2 A61820G	C	CT	+/-
rs1076563	DRD2 T55093G	A	AC	+/-
rs1079597	DRD2 G54716A	T	CT	+/-
rs1079596	DRD2 G54383A	T	CT	+/-
rs1125394	DRD2 A53817G	T	CT	+/-
rs2471857	DRD2 G52663A	T	CT	+/-
rs4436578	DRD2 G44237A	T	TT	+/*

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4620755	DRD2 C41383T	A	GG	-/-
rs11214606	DRD2 G41133A	T	CC	-/-
rs7125415	DRD2 G40321A	T	CC	-/-
rs4648318	DRD2 A37613G	C	TT	-/-
rs4648319	DRD2 C36639T	G	AG	+/-
rs17529477	DRD2 C33935T	A	AG	+/-
rs4245146	DRD2 A33029G	C	CT	+/-
rs4936270	DRD2 A32594G	T	CC	-/-
rs4274224	DRD2 C31550T	G	AG	+/-
rs4581480	DRD2 G26528A	C	TT	-/-
rs7131056	DRD2 T21228G	A	CC	-/-
rs4648317	DRD2 C19470T	A	AG	+/-
rs4938019	DRD2 A9611G	C	CT	+/-
rs1799978	DRD2 A4651G	T	TT	+/*
rs12364283	DRD2 T4047C	G	AA	-/-
rs1006737	CACNA1C G115699A	A	GG	-/-
rs2159100	CACNA1C C271442T	T	CC	-/-
rs216013	CACNA1C A2729632G	G	AA	-/-
rs2302729	CACNA1C T709021C	T	CC	-/-
rs1051375	CACNA1C G5445A	A	AA	+/*
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	AG	+/-
rs772897	PAH G1155C	G	CC	-/-
rs5030855	PAH IVS10-11G>A	T	CC	-/-
rs1722387	PAH A75311G	T	CC	-/-
rs1718312	PAH T75193C	G	AG	+/-
rs5030853	PAH A300S	A	CC	-/-
rs5030852	PAH IVS7+1G>A	T	CC	-/-
rs5030849	PAH G782A	T	CC	-/-
rs3817446	PAH A55562G	C	CT	+/-
rs1718301	PAH C45188T	A	AG	+/-
rs2037639	PAH C45031T	A	AG	+/-
rs1722392	PAH G37636A	T	CT	+/-
rs1522305	PAH C35625G	G	GG	+/*
rs10860936	PAH A33429G	C	TT	-/-
rs10778209	PAH T32409C	A	GG	-/-
rs11111419	PAH T31338A	T	AA	-/-
rs62507347	PAH A27743C	C	TT	-/-
rs1522307	PAH T17864C	G	AA	-/-
rs5030841	PAH L48S	G	AA	-/-
rs1522296	PAH C5594T	A	GG	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4767939	ALDH2 A7550G	A	AA	+/+
rs2238151	ALDH2 T12488C	T	TT	+/+
rs2238152	ALDH2 G15114T	T	GG	-/-
rs4648328	ALDH2 C23443T	T	CC	-/-
rs7311852	ALDH2 C25959G	G	CC	-/-
rs441	ALDH2 T29504C	C	TT	-/-
rs968529	ALDH2 T35023C	C	CC	+/+
rs4646778	ALDH2 C36438A	A	CC	-/-
rs671	ALDH2 G1369A	A	GG	-/-
rs16941667	ALDH2 C45068T	T	CC	-/-
rs876493	PNMT G-184A	A	AG	+/-
rs5638	PNMT A456G	G	AA	-/-
rs933271	COMT A2953G	T	TT	+/+
rs1544325	COMT A7406G	A	AG	+/-
rs5993883	COMT T13376G	T	GT	+/-
rs739368	COMT G14834A	A	GG	-/-
rs4646312	COMT T24075C	C	CT	+/-
rs165656	COMT G24601C	C	CG	+/-
rs6269	COMT A-1324G	G	AG	+/-
rs4633	COMT H62H	T	CT	+/-
rs2239393	COMT A 26166G	G	AG	+/-
rs740601	COMT T26501G	T	GT	+/-
rs8192488	COMT C438T	T	CC	-/-
rs4680	COMT V158M	A	AG	+/-
rs769224	COMT -61 P199P	A	GG	-/-
rs4646316	COMT C27870T	T	CC	-/-
rs165774	COMT G28299A	A	GG	-/-
rs174696	COMT C28914T	C	TT	-/-
rs174699	COMT C30196T	C	TT	-/-

COMT Activity (continued)
(See Figure 4)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs9332377	COMT C31430T	T	CC	-/-
rs165599	COMT G*522A	A	AA	+/+
rs5953210	MAOA G3638A	G	AG	+/-
rs5906883	MAOA A16535C	C	AC	+/-
rs5906957	MAOA A36902G	G	AG	+/-
rs909525	MAOA C42794T	C	CT	+/-
rs6323	MAOA R297R/G492T/T941G	G	TT	-/-
rs2235186	MAOA A85020G	A	GG	-/-
rs2072743	MAOA T89113C	C	CC	+/+
rs1137070	MAOA T1011C/1460C	T	CC	-/-
rs1799836	MAOB A118723G	C	CC	+/+
rs10521432	MAOB C112982T	G	AA	-/-
rs6651806	MAOB T57758G	A	CC	-/-

Cannabinoid Pathway

81 variants found 8 30 43

Risk Summary: 8 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
rs2229579	CNR2 H316T	A	GG	-/-
rs2502993	CNR2 A282A	A	AG	+/-
rs2501431	CNR2 G155G	A	AG	+/-
rs2501432	CNR2 G63A	T	CT	+/-
rs16828926	CNR2 G24215130A	A	GG	-/-
rs9424398	CNR2 T24221834G	G	GG	+/+
rs806368	CNR1 T88850100C	T	TT	+/+
rs12720071	CNR1 T88851181C	C	TT	-/-
rs4707436	CNR1 G88851751A	A	AG	+/-
rs6911472	CNR1 A88853143C	C	AA	-/-
rs1049353	CNR1 T453T	T	CT	+/-
rs806369	CNR1 T88856178C	T	CT	+/-
rs806374	CNR1 T88857320C	T	CT	+/-
rs806376	CNR1 T88858648C	C	CT	+/-
rs806377	CNR1 T88858723C	T	CT	+/-
rs806378	CNR1 C88859551T	T	CT	+/-
rs6454672	CNR1 T88861570C	C	TT	-/-
rs6928813	CNR1 A88861698G	G	AA	-/-
rs9450898	CNR1 C88864063T	T	CC	-/-
rs806380	CNR1 A88864653G	A	AG	+/-
rs806381	CNR1 A88865901G	A	AG	+/-
rs7752758	CNR1 A88866376G	G	AA	-/-
rs12528858	CNR1 A88867488G	G	AA	-/-
rs12205430	CNR1 T88867925C	C	CT	+/-
rs6454673	CNR1 G88871049A	G	AG	+/-
rs6454674	CNR1 T88872930G	T	GT	+/-
rs1049742	ABP1/DAO S332P	T	CC	-/-
rs45558339	ABP1 M479I	A	GG	-/-
rs10893	ABP1 P545P	A	AA	+/+
rs1049748	ABP1 P574P	T	CT	+/-
rs35070995	ABP1 A678H	C	AA	-/-
rs2853563	VDR G68077A	T	CC	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs11574129	VDR T66512C	G	AA	-/-
rs3847987	VDR C48238068A	A	CC	-/-
rs739837	VDR C65594A	G	GG	+/*
rs2229829	VDR A452A	T	GG	-/-
rs34189316	VDR T416T	A	GG	-/-
rs11574115	VDR T412I	A	GG	-/-
rs731236	VDR TAQ	A	AA	+/*
rs4987032	VDR A400A	T	CC	-/-
rs7975232	VDR G64978T	A	CC	-/-
rs757343	VDR C48239675T	T	CC	-/-
rs7967152	VDR A48244184C	C	AA	-/-
rs2239185	VDR G48244559A	A	GG	-/-
rs2239184	VDR C59232T	A	GG	-/-
rs2229828	VDR S198S	A	GG	-/-
rs11168267	VDR G48251542A	A	GG	-/-
rs11574077	VDR T48252927C	C	TT	-/-
rs2248098	VDR T50459C	G	AA	-/-
rs2239182	VDR T48255411C	C	TT	-/-
rs2107301	VDR C48245T	A	AG	+/-
rs2239181	VDR T47866G	C	AA	-/-
rs1540339	VDR G46489A	T	CT	+/-
rs2239179	VDR T48257766C	C	TT	-/-
rs12717991	VDR G44689A	T	CT	+/-
rs12721370	VDR G41742T	A	CC	-/-
rs886441	VDR G48262964A	G	AG	+/-
rs2189480	VDR C39987A	T	GT	+/-
rs3819545	VDR T38809C	G	AG	+/-
rs3782905	VDR C37648G	C	GG	-/-
rs2239186	VDR T34405C	G	AG	+/-
rs11168275	VDR T48272275C	C	CT	+/-
rs10783218	VDR G48272743A	A	GG	-/-
rs2254210	VDR G48273714A	A	GG	-/-
rs2238136	VDR C48277713T	T	CC	-/-
rs2238135	VDR G25625C	G	CC	-/-
rs2853564	VDR G48278487A	G	AA	-/-
rs11168287	VDR G48285414A	G	GG	+/*
rs4328262	VDR C18167A	G	GT	+/-
rs4334089	VDR G48286015A	G	AG	+/-
rs4237855	VDR G48287203A	A	AG	+/-
rs11574027	VDR C48287373A	A	CC	-/-
rs3890733	VDR G14442A	T	CC	-/-
rs10875695	VDR C48293037A	A	AC	+/-
rs11168293	VDR G48293716T	G	GG	+/*
rs4760655	VDR G48294131A	G	AG	+/-
rs7136534	VDR G9189A	G	CT	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs7299460	VDR C48296268T	T	CT	+/-
rs4760658	VDR T7329C	G	AA	-/-
rs2070586	DAO G8864A	G	GG	+/+
rs2070587	DAO T887G	G	TT	-/-

Celiac Disease/Gluten Intolerance

5 variants found 1 3 1

Risk Summary: 1 high risk variants, 3 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	AG	+/-
rs6441961	3p21 near CCR3 1184A>G variant	T	CC	-/-
rs9851967	LPP 220966C>T	T	CT	+/-
rs6822844	4q27 Region 123509421G>T	G	GG	+//
rs2187668	HLA-DQA1 variant	T	CT	+/-

Clotting Factors

16 variants found 2 5 9

Risk Summary: 2 high risk variants, 5 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1324214	F3 94997288 C15126T	A	AG	+/-
rs6025	F5 Factor V Leiden FVL	T	CC	-/-
rs2227589	SERPINC1 G5301A	T	CC	-/-
rs1523127	NR1I2 C6709A	A	AA	+/?
rs9898	HRG Pro204Ser	C	CT	+/-
rs13146272	CYP4V2 Q259K	C	AA	-/-
rs2036914	F11 T10364C	C	CC	+/?
rs2289252	F11 C25264T	C	CT	+/-
rs1801020	F12 T5046C	A	GG	-/-
rs2731672	KNG I598T GP IIIa HPA-1	T	CC	-/-
rs6046	F7 A353G Arg329Gln	A	GG	-/-
rs3211719	F10 113777509 A5397C	A	AG	+/-
rs1800775	CETP C4402A	C	AA	-/-
rs5918	ITGB3 P1A2/T196C	C	TT	-/-
rs1613662	GP6 Pro219Ser	G	AA	-/-
rs6048	F9 G580A A25386G	G	AG	+/-

Eye Health

3 variants found 3

Risk Summary: 3 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	AT	+/-
rs4889294	BCMO1 36464T>C	C	CT	+/-
rs7501331	BCMO1 A379V Ala379Val	T	CT	+/-

Glyoxylate Metabolic Process

65 variants found 20 20 25

(See Figure 5)

Risk Summary: 20 high risk variants, 20 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	GG	-/-
rs2478523	AGT 13828T>C	G	AA	-/-
rs2493132	AGT 11780A>G	T	TT	+/?
rs3789670	AGT 11623G>A	C	CC	+/?
rs2478545	AGT 11216C>T	A	GG	-/-
rs6687360	AGT 10345G>A	T	CC	-/-
rs5041	AGT Leu244Arg	C	AA	-/-
rs4762	AGT Thr207Met	A	GG	-/-
rs5039	AGT Gln53Glu	A	GG	-/-
rs11122576	AGT 8658A>G	T	TT	+/?
rs2004776	AGT 6635G>A	C	CC	+/?
rs3889728	AGT 6506G>A	C	CC	+/?
rs2493134	AGT 5978A>G	C	TT	-/-
rs2148582	AGT 5538T>C	G	AA	-/-
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	CT	+/-
rs4426527	AGXT I340M	A	AG	+/-
rs1464568	AMT C6846T	G	AG	+/-
rs2687975	LIAS C16647T	C	CC	+/?
rs2259073	LIAS A19410C	C	AA	-/-
rs1377210	AGXT2L1 S127P	G	AG	+/-
rs16899974	AGXT2 V498L	A	AA	+/?
rs7717823	AGXT2 C35000795T	C	CC	+/?
rs466067	AGXT2 G435G	A	GG	-/-
rs180749	AGXT2 T212I	A	AA	+/?

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs344156	AGXT2 A35035579G	A	GG	-/-
rs37369	AGXT2 V140I	T	CT	+/-
rs2279651	AGXT2 H118H	G	GG	+/*
rs40200	AGXT2 A35045745G	G	GG	+/*
rs6931421	BCKDHB T68795G	G	GT	+/-
rs688867	BCKDHB G127885A	G	AG	+/-
rs10455370	BCKDHB C229524T	T	CT	+/-
rs4502885	BCKDHB G243172A	G	AA	-/-
rs7740958	BCKDHB T244070C	T	CC	-/-
rs2057149	DDO C110717493T	C	TT	-/-
rs3757351	DDO A110735630G	G	AG	+/-
rs10263341	DLD T19214C	T	CT	+/-
rs4518	DLD C33606T	C	CT	+/-
rs45558339	ABP1 M479I	A	GG	-/-
rs10893	ABP1 P545P	A	AA	+/*
rs1049748	ABP1 P574P	T	CT	+/-
rs35070995	ABP1 A678H	C	AA	-/-
rs7848919	GLDC C118216T	G	AG	+/-
rs11789777	GLDC A55715G	T	TT	+/*
rs3740015	DHTKD1 Y272D	T	GT	+/-
rs497582	PDHX V271V	T	CC	-/-
rs2303436	DLAT A43V	T	CT	+/-
rs732765	DLST A22136G	G	AA	-/-
rs1799900	DLST G24147A	G	AG	+/-
rs459894	NDUFAB1 A23601488G	G	AA	-/-
rs730168	LDHD C75150275T	C	CT	+/-
rs3810174	BCKDHA C5472T	C	CT	+/-
rs2423322	HAO1 A7873112G	G	AG	+/-
rs2423326	HAO1 A7893640G	A	AA	+/*
rs16994134	HAO1 T7894092C	T	TT	+/*
rs6118004	HAO1 C7897049T	C	CC	+/*
rs941426	HAO1 A7905050G	A	AA	+/*
rs941425	HAO1 G7905283A	G	GG	+/*
rs2423334	HAO1 T7905947C	T	CT	+/-

HLA

77 variants found 7 36 34
(See Figure 6)

Risk Summary: 7 high risk variants, 36 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	CT	+/-
rs2844846	HLA-F-AS1, MICE 4945T>A	T	AT	+/-
rs12722477	HLA-G Leu134Ile	A	CC	-/-
rs17875402	HLA-G 6737G>A	A	GG	-/-
rs1632933	HLA-G 8178C>T	T	CT	+/-
rs1063320	HLA-G 8994C>G	C	CG	+/-
rs9380142	HLA-G 9039A>G	G	AG	+/-
rs1610696	HLA-G 9048C>G	G	CG	+/-
rs9348834	HLA-T 378C>T	T	CC	-/-
rs3823339	HLA-A 7727C>G	G	CC	-/-
rs3823342	HLA-A 7826T>C	C	TT	-/-
rs1061235	HLA-A 8057A>T	T	AA	-/-
rs2844766	HLA-L 1742685C>T	T	CC	-/-
rs2001181	HLA-C 7911A>G	C	TT	-/-
rs1058026	HLA-B 8305T>G	C	AA	-/-
rs3819299	HLA-B His363Pro	G	TT	-/-
rs3094228	HLA-X 441A>G	C	CC	+/ +
rs9268644	HLA-DRA 4604A>C	A	AC	+/-
rs3135394	HLA-DRA 5055G>A	G	AA	-/-
rs9268645	HLA-DRA 5085C>G	G	CG	+/-
rs3129878	HLA-DRA 5293C>A	A	AA	+/ +
rs3129881	HLA-DRA 6041T>C	T	CC	-/-
rs3129882	HLA-DRA 6087A>G	G	GG	+/ +
rs6911777	HLA-DRA 6553T>C	C	TT	-/-
rs3129883	HLA-DRA 6694C>T	T	CT	+/-
rs9268658	HLA-DRA 7273G>A	A	AG	+/-
rs3135391	HLA-DRA 7544G>A	G	AG	+/-
rs8084	HLA-DRA 7592A>C	C	AC	+/-
rs2239806	HLA-DRA 7864T>C	T	CC	-/-
rs2239804	HLA-DRA 8080T>C	C	CT	+/-
rs11544315	HLA-DRA 8130C>T	T	CC	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs7192	HLA-DRA Leu242Val	T	GT	+/-
rs3129888	HLA-DRA 8283A>G	G	AG	+/-
rs2239803	HLA-DRA 8390C>T	T	CT	+/-
rs2239802	HLA-DRA 8403G>C	C	CG	+/-
rs3177928	HLA-DRA 8958G>A	A	GG	-/-
rs7194	HLA-DRA 9003G>A	A	AG	+/-
rs1041885	HLA-DRA 9332A>T	A	TT	-/-
rs9268831	HLA-DRB9 7239C>T	T	CT	+/-
rs9268832	HLA-DRB9 7280T>C	C	CT	+/-
rs660895	HLA-DRB1 variant	G	AA	-/-
rs9272535	HLA-DQA1 6574G>A	A	AG	+/-
rs2858331	HLA 4126892A>G	G	AA	-/-
rs17500468	HLA-DQA2 4156973A>G	G	AA	-/-
rs2213568	HLA-DQA2 4157371A>C	A	AC	+/-
rs17500510	HLA-DQA2 4158614G>A	A	GG	-/-
rs2239800	HLA-DQA2 4159063A>G	G	AA	-/-
rs7453920	HLA-DQB2 4175809A>G	G	AG	+/-
rs2051549	HLA-DQB2 4175883G>A	G	AG	+/-
rs1573649	HLA-DQB2 Met1Thr	G	AG	+/-
rs11244	HLA-DOB 9102C>T	A	AG	+/-
rs2071479	HLA-DOB 8714G>A	T	CC	-/-
rs2856997	HLA-DOB 8050G>T	C	AC	+/-
rs2071474	HLA-DOB 7244G>A	T	CC	-/-
rs2071473	HLA-DOB 7221G>A	C	CT	+/-
rs7383287	HLA-DOB 6740T>C	G	AA	-/-
rs2621326	HLA-DOB 5930C>T	G	AG	+/-
rs2071554	HLA-DOB Arg18Gln	T	CT	+/-
rs2071469	HLA-DOB 5043G>A	C	CC	+/*
rs10751	HLA-DMB 4347001A>G	A	GG	-/-
rs23544	HLA-DMB 4348055C>T	T	CC	-/-
rs151719	HLA-DMB 4348318T>C	C	CT	+/-
rs3128935	HLA-DOA 9986A>G	T	TT	+/*
rs1044429	HLA-DOA 9748G>A	T	CT	+/-
rs376892	HLA-DOA 9503C>T	G	AG	+/-
rs416622	HLA-DOA 9109A>G	C	CT	+/-
rs9276977	HLA-DOA 8549C>T	A	GG	-/-
rs2581	HLA-DOA 7989C>A	T	GG	-/-
rs399604	HLA-DOA 7376A>G	C	TT	-/-
rs10947368	HLA-DOA 7049G>A	T	CC	-/-
rs2284191	HLA-DOA 5736C>T	A	GG	-/-
rs86567	HLA-DOA 5631C>A	G	TT	-/-
rs7905	HLA-DPA1 20581A>G	T	TT	+/*
rs3077	HLA-DPA1 20534T>C	A	AA	+/*
rs2301226	HLA-DPA1 18960C>T	A	GG	-/-
rs9277535	HLA-DPB1 16159A>G	G	AG	+/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs9277555	HLA-DPB1 16903G>A	G	AG	+/-

IgA

13 variants found 3 6 4

Risk Summary: 3 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	-/-
rs1990760	IFIH1 (HLA) variant	T	TT	+/+
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	GG	+/+
rs2229765	IGF1R variant	G	AG	+/-
rs516246	FUT2 11945C>T	T	CT	+/-
rs1800030	FUT2 Trp294Ter	A	GG	-/-
rs485186	FUT2 12979A>G	A	AG	+/-
rs603985	FUT2 13030T>C	T	CT	+/-
rs504963	FUT2 14638G>A	A	AG	+/-

IgE

11 variants found 4 3 4

Risk Summary: 4 high risk variants, 3 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	-/-
rs2494262	FCER1A / OR10J2P variant	A	AC	+/-
rs2427837	FCER1A variant	A	AG	+/-
rs2251746	FCER1A 15927206T>C	C	CT	+/-
rs2040704	RAD50 85562A>G	A	AA	+/+
rs2240032	RAD50 89512C>T	T	CC	-/-
rs1800925	IL-13 C1112T 3945C>T	C	CC	+/+
rs1295685	IL13 variant	A	GG	-/-
rs2569191	CD14 140634318C>T	C	TT	-/-
rs33977706	SOCS-1 -820G>T 11256298C>A	A	AA	+/+
rs366510	C3 variant	T	TT	+/+

IgG

2 variants found 1 1

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

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1801274	FCGR2A variant	A	GG	-/-
rs4792800	TNFRSF13B variant	G	AG	+/-

Iron Uptake & Transport

40 variants found 7 13 20

Risk Summary: 7 high risk variants, 13 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	CT	+/-
rs2239484	ATP6V1B1 15411A>G	A	AA	+/ ⁺
rs838102	STEAP3 8350G>A	A	AA	+/ ⁺
rs708672	STEAP3 10971G>T	G	TT	-/-
rs960748	CYBRD1 171523426G>A	A	AG	+/-
rs13009270	CYBRD1 171546027C>A	A	CC	-/-
rs17554	CYBRD1 171546859G>A	A	GG	-/-
rs10455	CYBRD1 Ser208Asn	G	AG	+/-
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	GT	+/-
rs406271	TFRC 195776976T>C	T	TT	+/ ⁺
rs3817672	TFRC Gly142Ser	T	CT	+/-
rs2231164	ABCG2 89015857C>T	T	TT	+/ ⁺
rs2622621	ABCG2 126555G>C	G	CC	-/-
rs2231142	ABCG2 Gln141Lys	T	GG	-/-
rs72552713	ABCG2 Gln126Ter	A	GG	-/-
rs4148155	ABCG2 89054667A>G	G	AA	-/-
rs2622604	ABCG2 89078924T>C	T	CT	+/-
rs1799945	HFE H63D	G	CC	-/-
rs1800562	HFE C282Y	A	GG	-/-
rs149411	SLC11A2 51380232A>G	G	AG	+/-
rs2160567	HMOX2 187879C>T	T	TT	+/ ⁺

SNP ID	SNP Name	Risk Allele	Your Allele	Result
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	+/ ⁺
rs1028348	HEPH 6731C>T	T	CC	-/-
rs17216603	HEPH Ala598Thr	A	GG	-/-
rs1264216	HEPH 57825T>G	G	GT	+/-

Liver Detox - Phase I

92 variants found 8 10 74

(See Figure 1)

Risk Summary: 8 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
rs9333025	CYP4A11 G921A	T	CC	-/-
rs9341266	CYP1B1 C1871T	A	AG	+/-
rs1800440	CYP1B1 N453S	T	CT	+/-
rs1056836	CYP1B1 L432V	C	GG	-/-
rs9282671	CYP1B1 T241A	A	AA	+/ ⁺
rs72549389	CYP1B1 T5795C	G	AA	-/-
rs2855262	SOD3 489 C>T	C	CC	+/ ⁺
rs662	PON1 Q192R	T	CC	-/-
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	-/-
rs4646440	CYP3A4 C608T	A	GG	-/-
rs28371759	CYP3A4*18 L293P	G	AA	-/-
rs4646437	CYP3A4 C202T	A	AG	+/-
rs2246709	CYP3A4 T258C	G	AA	-/-
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	CT	+/-
rs4986894	CYP2C19 T98C	T	TT	+/ ⁺
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	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4986893	CYP2C19*3 G636A	A	GG	-/-
rs4244285	CYP2C19*2 G681A	A	GG	-/-
rs72558186	CYP2C19*7 T24294A	A	TT	-/-
rs12767583	CYP2C19 C5709T	T	CC	-/-
rs3758581	CYP2C19_80161G>A(V331I) V331I	A	GG	-/-
rs4917623	CYP2C19 T106C	C	CT	+/-
rs4918758	CYP2C9 T1188C	C	TT	-/-
rs1799853	CYP2C9*2 430C>T	T	CC	-/-
rs7900194	CYP2C9*8 449G>A	A	GG	-/-
rs12572351	CYP2C9 G9806A	A	GG	-/-
rs4086116	CYP2C9 C334T	T	CC	-/-
rs2256871	CYP2C9*9 752A>G	G	AA	-/-
rs9332146	CYP2C9 G9617A	A	GG	-/-
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	+/-
rs1057911	CYP2C9 50298A>T	T	AA	-/-
rs9332239	CYP2C9*12 1465C>T	T	CC	-/-
rs3813865	CYP2E1 G3378C	C	GG	-/-
rs2031920	CYP2E1_-1055C>T G1055T	T	CC	-/-
rs2070672	CYP2E1*7_-352A>G A352G	G	AA	-/-
rs2070673	CYP2E1*7_-333T>A T333A	A	TT	-/-
rs6413420	CYP2E1*7_-71G>T G71T	T	GG	-/-
rs8192772	CYP2E1 T8845C	C	TT	-/-
rs6413419	CYP2E1*4 A4768G	A	GG	-/-
rs2480256	CYP2E1 A46G	A	GG	-/-
rs1048943	CYP1A1*2C A4889G	T	TT	+/*
rs1799814	CYP1A1*4 C2453A	T	GG	-/-
rs2069526	CYP1A2*1K -739T>G	G	TT	-/-
rs762551	CYP1A2*1F C164A	C	CC	+/*
rs56276455	CYP1A2*3 D348N	A	GG	-/-
rs2472304	CYP1A2*1F variant	A	GG	-/-
rs28399424	CYP1A2*6 R431W	T	CC	-/-
rs2470890	CYP1A2 1545T>C	C	CC	+/*
rs1801272	CYP2A6*2 A1799T	T	AA	-/-
rs8192709	CYP2B6 R22C	T	CT	+/-
rs35303484	CYP2B6 A136G	G	AA	-/-
rs3745274	CYP2B6 Q172H	T	GG	-/-
rs36079186	CYP2B6 T20715C	C	TT	-/-
rs2279343	CYP2B6 L262A	G	AA	-/-
rs2279345	CYP2B6 T23499C	T	CT	+/-
rs28399499	CYP2B6 I328T	C	TT	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs34097093	CYP2B6 C1132T	T	CC	-/-
rs8192719	CYP2B6 C26570T	T	CC	-/-
rs7260329	CYP2B6 G29435A	G	GG	+/?
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	GG	-/-
rs28371722	CYP2D6 G7754A	T	CC	-/-
rs61736512	CYP2D6 G1659A	T	CC	-/-
rs1081003	CYP2D6 C336T	A	GG	-/-
rs28371706	CYP2D6*17 T107I	A	GG	-/-
rs5030862	CYP2D6*12 124G>A	T	CC	-/-
rs1065852	CYP2D6 T100C	T	AG	-/-
rs1080983	CYP2D6 A1775G	T	CC	-/-

Liver Detox - Phase II

221 variants found 49 49 123

(See Figure 1)

Risk Summary: 49 high risk variants, 49 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	+/-
rs12121543	MTHFR G16490T	A	CC	-/-
rs1801133	MTHFR C677T	A	GG	-/-
rs17037390	MTHFR C10318T	G	GG	+/ ⁺
rs17037396	MTHFR C841T	T	CC	-/-
rs17367504	MTHFR A1572G	G	AA	-/-
rs2066470	MTHFR 03 P39P	A	GG	-/-
rs13306561	MTHFR A4598G	A	AA	+/ ⁺
rs13306560	MTHFR C-137T	T	CC	-/-
rs3737964	MTHFR A4117C	T	CT	+/-
rs12068997	GSTM1 5419C>T	T	CC	-/-
rs4147565	GSTM1 6360G>A	A	AG	+/-
rs4147567	GSTM1 7107A>G	G	AA	-/-
rs4147568	GSTM1 7175T>A	A	TT	-/-
rs1056806	GSTM1 7730C>T	T	CC	-/-
rs12562055	GSTM1 8048T>A	A	TT	-/-
rs2239892	GSTM1 8869A>G	G	AA	-/-
rs7483	GSTM3 V224I	T	CT	+/-
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	AG	+/-
rs10174540	SPR 7413A>G	A	GG	-/-
rs6430764	HNMT C3616T	T	TT	+/ ⁺
rs17583889	HNMT C29232A	A	CC	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1378321	HNMT A47507G	A	AA	+/-
rs1050891	HNMT T939C	G	AA	-/-
rs12185692	GAD1 (GAD) C2627A	A	AA	+/-
rs3791878	GAD1 (GAD) G3992T	g	GG	+/-
rs3749034	GAD1 (GAD) G5276A	A	GG	-/-
rs2241165	GAD1 (GAD) C10180T	T	TT	+/-
rs3828275	GAD1 (GAD) C14541T	T	TT	+/-
rs2241164	GAD1 (GAD) C18360T	C	TT	-/-
rs2058725	GAD1 (GAD) T21922C	C	TT	-/-
rs769407	GAD1 (GAD) G25509C	C	GG	-/-
rs3791851	GAD1 (GAD) T30473C	C	TT	-/-
rs701492	GAD1 (GAD) C34281T	C	CC	+/-
rs3791850	GAD1 (GAD) G39901A	G	GG	+/-
rs769395	GAD1 (GAD) A48604A	A	AA	+/-
rs887829	UGT1A1 C175181T	T	CT	+/-
rs34547608	UGT1A1 T175439C	C	TT	-/-
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	-/-
rs72551348	UGT1A1 G328A	G	AA	-/-
rs72551351	UGT1A1 G354A	G	AA	-/-
rs6717546	UGT1A1 A188730G	G	AA	-/-
rs347591	HRH1 G11290122T	G	GG	+/-
rs901865	HRH1 T-17C	T	TT	+/-
rs2067466	HRH1 G57C	C	GG	-/-
rs7651620	HRH1 G809A	A	GG	-/-
rs346070	HRH1 T*1687C	T	TT	+/-
rs1464566	AMT A5736G	C	CT	+/-
rs2280673	RAB6B C282Y	C	CC	+/-
rs4961	ADD1 G460W	T	TT	+/-
rs4148301	UGT2A2, UGT2A1 G308R	T	CC	-/-
rs1347046	UGT2A1 R75K	C	TT	-/-
rs27072	SLC6A3 G56022A	T	CC	-/-
rs1042098	SLC6A3 T55729C	A	AG	+/-
rs40184	SLC6A3 G55467A	C	CC	+/-
rs11564771	SLC6A3 C51747T	A	GG	-/-
rs11133767	SLC6A3 G48964A	C	CC	+/-
rs6347	SLC6A3 A39132G	T	TT	+/-
rs27048	SLC6A3 G37899A	T	CT	+/-
rs464049	SLC6A3 T26639C	A	AA	+/-
rs460000	SLC6A3 C17719T	T	GG	-/-
rs403636	SLC6A3 T12190G	A	CC	-/-
rs2617605	SLC6A3 A8023G	C	TT	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs6350	SLC6A3 C7345T	A	GG	-/-
rs8177412	GPX3 129T>C	T	CT	+/-
rs2619522	DTNBP1 T14623G	A	AC	+/-
rs1018381	DTNBP1 C11202T	A	GG	-/-
rs2794719	HFE 6382T>G	T	TT	+/*
rs9366637	HFE 6590C>T	T	CC	-/-
rs1799945	HFE H63D	G	CC	-/-
rs2071303	HFE 8828T>C	C	CC	+/*
rs1800562	HFE C282Y	A	GG	-/-
rs1800708	HFE 10795T>C	T	CT	+/-
rs2071302	HFE 11622T>C	T	TT	+/*
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	TT	+/*
rs1801280	NAT2 I114T	C	TT	-/-
rs1799929	NAT2 C481T	T	CC	-/-
rs1799930	NAT2 R197Q	A	AG	+/-
rs1208	NAT2 K268R	G	AA	-/-
rs1799931	NAT2 G286E	A	AG	+/-
rs3594	GSR G*1377T	A	CC	-/-
rs2551715	GSR A43851G	C	CT	+/-
rs6994992	NRG1 C3314T	T	CC	-/-
rs35099072	IDO1 G344A	A	GG	-/-
rs7820268	IDO1 C6202T	T	TT	+/*
rs1031552	GGH C23421T	A	GG	-/-
rs11545078	GGH C17847T	A	GG	-/-
rs3780127	GGH C15472T	A	GG	-/-
rs4617146	GGH G13894A	T	CC	-/-
rs11786893	GGH G174A	T	CC	-/-
rs3780126	GGH C6699T	A	AG	+/-
rs11545077	GGH G91A	T	CC	-/-
rs1805398	GAD2 (GAD) G26474809T	G	GG	+/*
rs1538311	ADK G509567T	T	GT	+/-
rs946185	ADK A517797G	G	AG	+/-
rs1049982	CAT T5070C	T	CC	-/-
rs10836235	CAT C5233T	T	CC	-/-
rs11604331	CAT A5298G	G	GG	+/*
rs12272630	CAT G6194C	C	GG	-/-
rs480575	CAT A12175G	G	AA	-/-
rs11032703	CAT C14185T	T	CC	-/-
rs2300181	CAT C21068T	T	CC	-/-
rs2284365	CAT T29502C	C	TT	-/-
rs2420388	CAT G35066A	G	GG	+/*

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs7947841	CAT G36209A	A	GG	-/-
rs499406	CAT T36470C	T	TT	+/?
rs17880442	CAT C1476T	T	CC	-/-
rs1695	GSTP1 I105V	A	AA	+/?
rs1138272	GSTP1 A114V	T	CC	-/-
rs3741049	ACAT1 G22670A	A	AG	+/-
rs4520	APOC3 G34G	T	TT	+/?
rs5128	APOC3 3u386	G	CC	-/-
rs1544410	VDR VDR:Bsml	T	CC	-/-
rs2070586	DAO G8864A	G	GG	+/?
rs2070587	DAO T887G	G	TT	-/-
rs2111902	DAO T9891G	T	TT	+/?
rs3741775	DAO A14747C	A	CC	-/-
rs3918347	DAO A24464G	G	AA	-/-
rs11067231	MMAB G2143T	C	AC	+/-
rs7134594	MMAB G16110A	C	CT	+/-
rs11836136	MMAB A13G	G	AG	+/-
rs12314392	MMAB/MVK A-818G	A	AG	+/-
rs7997012	HTR2A T64185C	A	AG	+/-
rs2073440	HDC A1932C	G	TT	-/-
rs16963486	HDC T1657C	G	AA	-/-
rs854158	HDC T10086C	G	AA	-/-
rs17740607	HDC C92T	A	AA	+/?
rs17221417	NOD2 13533C>G	G	CC	-/-
rs2066843	NOD2 19150C>T	T	CC	-/-
rs2066844	NOD2 Arg675Trp	T	CC	-/-
rs2066845	NOD2 Gly881Arg	C	GG	-/-
rs5743289	NOD2 30725C>T	T	CC	-/-
rs168924	SLC6A2 A5003G	G	AA	-/-

Liver Detox - Phase II (continued)
(See Figure 1)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2242446	SLC6A2 C5884T	T	TT	+/-
rs3785143	SLC6A2 C10565T	T	CC	-/-
rs1532701	SLC6A2 G13486A	G	AA	-/-
rs36020	SLC6A2 C28547T	T	CC	-/-
rs3785152	SLC6A2 T32009C	T	CC	-/-
rs40147	SLC6A2 G32299A	G	GG	+/-
rs10521329	SLC6A2 C35917A	A	CC	-/-
rs4564560	SLC6A2 A40223G	G	AG	+/-
rs11568324	SLC6A2 C41517T	T	CC	-/-
rs3785157	SLC6A2 C45295T	T	CT	+/-
rs5568	SLC6A2 A45583C	C	AA	-/-
rs1566652	SLC6A2 G47034T	T	GG	-/-
rs998424	SLC6A2 G47405A	G	AG	+/-
rs36009	SLC6A2 C48079T	T	CT	+/-
rs5558	SLC6A2 T49018G	G	TT	-/-
rs1800887	SLC6A2 T49048C	T	TT	+/-
rs2242447	SLC6A2 C51371T	T	CT	+/-
rs10517	NQO1 C494+	A	GG	-/-
rs1800566	NQO1 C609T	A	AA	+/-
rs34755915	NQO1 G13528A	T	CC	-/-
rs689453	NQO1 G13161A	T	CC	-/-
rs689452	NQO1 G13070C	C	GG	-/-
rs1437135	NQO1 T7706C	G	GG	+/-
rs2917669	NQO1 T6314C	A	GG	-/-
rs8177876	GCSH F53F	G	GG	+/-
rs12150220	NLRP1 7466T>A	T	AT	+/-
rs2759	MPO A15191G	C	TT	-/-
rs2071409	MPO A15067C	T	TT	+/-
rs28730837	MPO C7900T	A	GG	-/-
rs7208693	MPO G5479T	A	CC	-/-
rs4343	ACE G2328A	G	AA	-/-
rs16940765	HRH4 T3537649C	C	TT	-/-
rs11662595	HRH4 A617G	G	AA	-/-
rs1421125	HRH4 G*385T	T	GT	+/-
rs4800573	HRH4 G*2144A	A	GG	-/-
rs296366	SULT2A1 A20117G	C	TT	-/-
rs296365	SULT2A1 G20104C	G	CC	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs11569679	SULT2A1 G781A	T	CC	-/-
rs4149452	SULT2A1 G17136A	T	CC	-/-
rs8113396	SULT2A1 T15557C	G	AA	-/-
rs2547242	SULT2A1 A15550G	C	TT	-/-
rs2910393	SULT2A1 A13527G	T	TT	+/ ⁺
rs4149449	SULT2A1 G9696A	T	CT	+/ ⁻
rs2547231	SULT2A1 G9598T	A	AC	+/ ⁻
rs4149448	SULT2A1 T8298C	G	AG	+/ ⁻
rs492602	FUT2 A12190G	G	AG	+/ ⁻
rs281377	FUT2 C12376T	T	CT	+/ ⁻
rs1047781	FUT2 A12404T	T	AA	-/-
rs601338	FUT2 G12447A	A	AG	+/ ⁻
rs602662	FUT2 G12758A	A	AG	+/ ⁻
rs235756	BMP2 C282Y	G	AG	+/ ⁻
rs244076	ADA A534G	C	TT	-/-
rs11555566	ADA A239G	C	TT	-/-
rs447833	ADA G22021A	T	CT	+/ ⁻
rs452159	ADA C14275A	T	TT	+/ ⁺
rs6031692	ADA C10783T	A	GG	-/-
rs73598374	ADA G22A	T	CC	-/-
rs4817579	GART A9979G	T	CC	-/-
rs2020917	COMT/TXNRD2 C4622T	T	CT	+/ ⁻
rs737866	COMT/TXNRD2 A4251G	C	CT	+/ ⁻
rs737865	COMT/TXNRD2 T4239C	G	AG	+/ ⁻
rs5760485	GGT1 T11756C	T	TT	+/ ⁺
rs4820599	GGT1/FAM211B A15496G	G	AA	-/-
rs6519519	GGT1 C17146T	T	CC	-/-
rs5751901	GGT1 T17549C	T	TT	+/ ⁺
rs1050757	G6PD A*357G	T	TT	+/ ⁺
rs72554664	G6PD R493H	T	CC	-/-
rs2230037	G6PD T438T	G	GG	+/ ⁺
rs5030868	G6PD S219F	A	GG	-/-
rs1050829	G6PD N156D	C	TT	-/-
rs1050828	G6PD V98M	T	CC	-/-

Methylation & Methionine/Homocysteine Pathways

139 variants found 21 46 72

(See Figure 2)

Risk Summary: 21 high risk variants, 46 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	+/-
rs12121543	MTHFR G16490T	A	CC	-/-
rs1801133	MTHFR C677T	A	GG	-/-
rs17037390	MTHFR C10318T	G	GG	+/+
rs17037396	MTHFR C841T	T	CC	-/-
rs17367504	MTHFR A1572G	G	AA	-/-
rs2066470	MTHFR 03 P39P	A	GG	-/-
rs13306561	MTHFR A4598G	A	AA	+/+
rs13306560	MTHFR C-137T	T	CC	-/-
rs3737964	MTHFR A4117C	T	CT	+/-
rs10889869	CTH G6010A	A	GG	-/-
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	-/-
rs12749581	MTR G155A	A	GG	-/-
rs7526063	MTR C18418T	T	CC	-/-
rs12060264	MTR G34783A	A	GG	-/-
rs12060570	MTR G35489C	G	GG	+/+
rs2789352	MTR A50417C	A	CC	-/-
rs2275568	MTR C62048T	T	CC	-/-
rs10925250	MTR A68550G	G	GG	+/+
rs3768142	MTR G74984T	T	TT	+/+
rs4659736	MTR G81204T	T	TT	+/+

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs1770449	MTR T84581C	C	TT	-/-
rs10925257	MTR A92580G	G	GG	+/*
rs1805087	MTR A2756G	G	GG	+/*
rs2275566	MTR G94982A	G	AA	-/-
rs2275565	MTR G95096T	T	TT	+/*
rs3820571	MTR G106853T	G	TT	-/-
rs2853522	MTR A*112C	A	CC	-/-
rs11799670	MTR A*153G	G	AA	-/-
rs2853523	MTR A*1254C	A	CC	-/-
rs1050993	MTR A*1361G	A	GG	-/-
rs1667627	MTHFD2 C8503T	C	CT	+/-
rs2028900	MAT2A C6635T	C	CT	+/-
rs1799807	BCHE A98G	T	TT	+/*
rs1801394	MTRR A66G	G	GG	+/*
rs326120	MTRR G10631A	G	AA	-/-
rs326121	MTRR T12072C	C	TT	-/-
rs3776467	MTRR G12099A	G	AA	-/-
rs1532268	MTRR C524T	T	CT	+/-
rs7703033	MTRR G15734A	A	AG	+/-
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	-/-
rs2287780	MTRR R415T	T	CC	-/-
rs162049	MTRR G28905A	G	AA	-/-
rs3776455	MTRR C32295T	T	CT	+/-
rs10380	MTRR H595Y	T	CC	-/-
rs1802059	MTRR -11 A664A	A	AG	+/-
rs9332	MTRR G*541A	A	GG	-/-
rs8659	MTRR T*662A	A	AT	+/-
rs10520873	MTRR T*1059C	C	TT	-/-
rs479405	DMGDH G67591T	C	AC	+/-
rs402701	DMGDH T39928C	G	GG	+/*
rs532964	DMGDH T835C	A	AA	+/*
rs2253262	DMGDH T372G	A	AC	+/-
rs16876512	BHMT C-448T	T	CT	+/-
rs651852	BHMT-08 C6457T	T	CC	-/-
rs6875201	BHMT A7961G	G	AG	+/-
rs567754	BHMT-02 C13813T	T	CC	-/-
rs3733890	BHMT R239Q	A	GG	-/-
rs617219	BHMT-04 A26991C	C	AA	-/-
rs7387	DHFR A*115T	T	TT	+/*
rs1650697	DHFR/MSH T-473A	A	AG	+/-
rs6882306	MAT2B C774523T	C	TT	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4869089	MAT2B A7755681G	G	AA	-/-
rs3800292	GNMT T21673C	G	AA	-/-
rs6458687	MUT A2011G	T	CC	-/-
rs6458690	MUT T24234C	G	AA	-/-
rs11754661	MTHFD1L G25264A	G	GG	+/?
rs17349743	MTHFD1L T31397C	C	TT	-/-
rs803422	MTHFD1L A33780G	A	AG	+/-
rs6922269	MTHFD1L G71171A	A	GG	-/-
rs1800783	NOS3 A6251T	T	AT	+/-
rs1800779	NOS3 G6797A	A	AG	+/-
rs2070744	NOS3 T786C	T	CT	+/-
rs3918188	NOS3 C19635T	A	AC	+/-
rs7830	NOS3 G10T	T	GT	+/-
rs1985908	MAT1A T*1297C	G	AG	+/-
rs2993763	MAT1A C1131T	A	GG	-/-
rs10788546	MAT1A A19581G	T	CT	+/-
rs72558181	MAT1A G19502A	T	CC	-/-
rs4934028	MAT1A C15656T	A	GG	-/-
rs526934	TCN1 G4939288A	A	AA	+/?
rs7925545	FOLR3 A3771G	G	AA	-/-
rs7926875	FOLR3 C7672A	C	CC	+/?
rs2071010	FOLR1 G-20A	A	GG	-/-
rs651933	FOLR2 G-1316A	G	GG	+/?
rs2272306	CSAD C25411T	A	GG	-/-
rs1006959	CSAD C13258T	A	GG	-/-
rs2293054	NOS1 T2202C	A	GG	-/-
rs3782206	NOS1 G59494A	T	CC	-/-
rs7298903	NOS1 A57373G	C	TT	-/-
rs1076991	MTHFD1 C105T	C	CC	+/?
rs2236225	MTHFD1 R635Q	A	AG	+/-
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CT	+/-
rs7946	PEMT G634A	T	CT	+/-
rs4646406	PEMT T17020543A	T	AA	-/-
rs4244593	PEMT T17023592G	T	GG	-/-
rs1979277	SHMT1 C1420T	G	AG	+/-
rs9909104	SHMT1 A23836G	T	CT	+/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs1800869	ALDH3A2 C17571G	G	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs8069576	ALDH3A2 A23257G	A	AG	+/-
rs2297518	NOS2 C1823T	A	AG	+/-
rs2274894	NOS2 T836165G	T	GT	+/-
rs2248814	NOS2 T32235C	A	AG	+/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs502396	TYMS C6633T	C	CT	+/-
rs17851582	GAMT C9110T	G	GG	+/*
rs55776826	GAMT G7497A	T	CT	+/-
rs819147	AHCY-01 G14905A	C	TT	-/-
rs2236270	GSS C25447A	T	GT	+/-
rs2273684	GSS A18836C	T	GT	+/-
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	AC	+/-
rs6088659	GSS A5997G	T	CC	-/-
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	GG	-/-
rs234706	CBS C699T	A	GG	-/-
rs2851391	CBS A13637G	T	CT	+/-
rs9606756	TCN2 A8700G	G	AA	-/-
rs1801198	TCN2 C766G	G	CC	-/-

Mitochondrial Function

49 variants found 8 18 23

(See Figure 12)

Risk Summary: 8 high risk variants, 18 moderate risk variants - Consider discussing with healthcare provider

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2028900	MAT2A C6635T	C	CT	+/-
rs36089250	ATP5g3 variant	C	TT	-/-
rs1801394	MTRR A66G	G	GG	+/?
rs326120	MTRR G10631A	G	AA	-/-
rs326121	MTRR T12072C	C	TT	-/-
rs3776467	MTRR G12099A	G	AA	-/-
rs1532268	MTRR C524T	T	CT	+/-
rs7703033	MTRR G15734A	A	AG	+/-
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	-/-
rs2287780	MTRR R415T	T	CC	-/-
rs162049	MTRR G28905A	G	AA	-/-
rs3776455	MTRR C32295T	T	CT	+/-
rs10380	MTRR H595Y	T	CC	-/-
rs1802059	MTRR -11 A664A	A	AG	+/-
rs9332	MTRR G*541A	A	GG	-/-
rs8659	MTRR T*662A	A	AT	+/-
rs10520873	MTRR T*1059C	C	TT	-/-
rs6882306	MAT2B C7745233T	C	TT	-/-
rs4869089	MAT2B A7755681G	G	AA	-/-
rs2758331	SOD2 406+816G>T	A	CC	-/-
rs4880	SOD2 V16A	A	AA	+/?
rs12544943	COX6C variant	G	AG	+/-
rs4518636	COX6C variant	T	CT	+/-
rs1244422	ATP5c1 variant	C	CT	+/-
rs4655	ATP5c1 variant	C	CT	+/-
rs1985908	MAT1A T*1297C	G	AG	+/-
rs2993763	MAT1A C1131T	A	GG	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs10788546	MAT1A A19581G	T	CT	+/-
rs72558181	MAT1A G19502A	T	CC	-/-
rs4934028	MAT1A C15656T	A	GG	-/-
rs4147730	NDUFS3 variant	A	AG	+/-
rs4147776	NDUFS8 variant	C	AA	-/-
rs2075626	NDUFS8 variant	T	CT	+/-
rs3115546	NDUFS8 variant	T	TT	+/?
rs1051806	NDUFS8 variant	T	CT	+/-
rs8042694	COX5A variant	G	GG	+/?
rs6497563	UQCRC2 variant	T	TT	+/?
rs4850	UQCRC2 variant	A	AG	+/-
rs11648723	UQCRC2 variant	T	GT	+/-
rs12922362	UQCRC2 variant	A	CC	-/-
rs2965803	UQCRC2 variant	T	CC	-/-
rs2332496	NDUFS7 variant	A	AG	+/-
rs1142530	NDUFS7 variant	T	TT	+/?
rs7258846	NDUFS7 variant	T	TT	+/?
rs11666067	NDUFS7 variant	A	AA	+/?

Molybdenum

48 variants found 5 11 32

Risk Summary: 5 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
rs291593	DYPD 97543752G>A	A	GG	-/-
rs291592	DYPD 97543764C>T	T	CC	-/-
rs1801268	DYPD Val995Phe	A	CC	-/-
rs67376798	DYPD Asp949Val	A	TT	-/-
rs1399291	DYPD 97576922C>T	T	CC	-/-
rs828054	DYPD 97610026G>T	G	GT	+/-
rs11587873	DYPD 97653070C>T	T	CT	+/-
rs12137711	DYPD 97700589C>T	T	CT	+/-
rs1801160	DYPD Val732Ile	T	CC	-/-
rs7548189	DYPD 97867713C>A	C	AC	+/-
rs3918290	DYPD 97915614C>T	T	CC	-/-
rs17376848	DYPD 97915624A>G	G	AA	-/-
rs55886062	DYPD Ile560Asn	C	AA	-/-
rs1801159	DYPD Ile543Val	C	TT	-/-
rs1801158	DYPD Ser534Asn	T	CC	-/-
rs45589337	DYPD Lys259Glu	C	TT	-/-
rs1801266	DYPD Arg235Trp	A	GG	-/-
rs1801265	DYPD 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	CC	+/ +
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	GG	+/ +
rs2073316	XDH 31611029G>A	A	GG	-/-
rs206811	XDH 31636915A>G	A	AA	+/ +
rs10497853	AOX1 201475157A>G	A	AA	+/ +
rs3731722	AOX1 His1297Arg	G	AA	-/-
rs4835913	ALDH7A1 126559817G>A	A	AG	+/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4816	PCMT1 Val178Ile	G	AG	+/-
rs2301995	ELN 14714G>A	A	GG	-/-
rs4717865	ELN 16773G>A	A	GG	-/-
rs2071307	ELN Gly422Ser	G	AG	+/-
rs2856728	ELN 33356C>T	T	CT	+/-
rs2528795	ELN 36068T>C	C	TT	-/-
rs705703	SUOX C5444T	T	CC	-/-
rs1049564	PNP Gly51Ser	G	AG	+/-
rs7785	PNP 12473C>T	T	CC	-/-
rs8020095	GPHN 484734G>A	A	AG	+/-
rs723744	TTR 5747G>T	T	GG	-/-
rs3764476	TTR 9731C>A	A	CC	-/-
rs3794884	TTR 10242T>G	G	TT	-/-
rs7269297	MOCS3 Ser429Ala	G	TT	-/-
rs1801475	KCNQ2 Asn752Thr	T	GG	-/-
rs2297385	KCNQ2 62070966G>A	A	AG	+/-

Neurotransmitter Pathway: Serotonin & Dopamine

242 variants found 45 81 116

(See Figure 3)

Risk Summary: 45 high risk variants, 81 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	+/-
rs9828046	DRD3 C44637T	A	GG	-/-
rs9288993	DRD3 T43727C	G	AA	-/-
rs963468	DRD3 C40013T	A	AA	+/-
rs3773678	DRD3 T32822C	G	GG	+/-
rs2630349	DRD3 T29528C	G	GG	+/-
rs2630351	DRD3 T27841C	A	GG	-/-
rs167771	DRD3 C26625T	A	AA	+/-
rs324029	DRD3 T21277C	A	GG	-/-
rs10934256	DRD3 G17248T	A	CC	-/-
rs1486009	DRD3 T14368C	A	AA	+/-
rs6280	DRD3 G25A	T	TT	+/-
rs9825563	DRD3 T2680C	A	AA	+/-
rs1394016	DRD3 G20405035A	G	GG	+/-
rs27072	SLC6A3 G56022A	T	CC	-/-
rs1042098	SLC6A3 T55729C	A	AG	+/-
rs40184	SLC6A3 G55467A	C	CC	+/-
rs11564771	SLC6A3 C51747T	A	GG	-/-
rs11133767	SLC6A3 G48964A	C	CC	+/-
rs6347	SLC6A3 A39132G	T	TT	+/-
rs27048	SLC6A3 `	T	CT	+/-
rs464049	SLC6A3 T26639C	A	AA	+/-
rs460000	SLC6A3 C17719T	T	GG	-/-
rs403636	SLC6A3 T12190G	A	CC	-/-
rs2617605	SLC6A3 A8023G	C	TT	-/-
rs6350	SLC6A3 C7345T	A	GG	-/-
rs251937	DRD1 A9244G	C	TT	-/-
rs4867798	DRD1 A8265G	C	CT	+/-
rs686	DRD1 C7464T	A	AG	+/-
rs4532	DRD1 G6014A	C	CT	+/-
rs5326	DRD1 G5968A	T	CC	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs265981	DRD1 T5262C	A	AG	+/-
rs10235796	DDC T52006C	T	CC	-/-
rs11575552	DDC T111909C	A	AA	+/*
rs11575551	DDC T111892C	A	AA	+/*
rs2242041	DDC G108706C	G	CC	-/-
rs11575543	DDC C107286T	A	GG	-/-
rs11575542	DDC G1385A	T	CC	-/-
rs11575537	DDC C121254T	T	CC	-/-
rs11575522	DDC C124764T	T	CC	-/-
rs732215	DDC T94092G	C	CC	+/*
rs12718541	DDC T88011C	A	GG	-/-
rs1451371	DDC A85104G	C	CC	+/*
rs2167364	DDC T155196C	T	TT	+/*
rs3779084	DDC A158104G	G	AA	-/-
rs880028	DDC A159505G	A	AA	+/*
rs1470750	DDC C166017G	G	GG	+/*
rs6263	DDC A415G	C	TT	-/-
rs11575340	DDC C41684A	T	GG	-/-
rs3735273	DDC C186233T	T	CC	-/-
rs998850	DDC G196757C	C	CC	+/*
rs6264	DDC T201104C/G49G	T	CC	-/-
rs10499695	DDC A19551G	C	CT	+/-
rs1451375	DDC G15443T	A	AC	+/-
rs921451	DDC A14870G	T	CT	+/-
rs3829897	DDC G219133T	G	GT	+/-
rs12669770	DDC C209826T	A	AG	+/-
rs1800783	NOS3 A6251T	T	AT	+/-
rs1800779	NOS3 G6797A	A	AG	+/-
rs2070744	NOS3 T786C	T	CT	+/-
rs3918188	NOS3 C19635T	A	AC	+/-
rs7830	NOS3 G10T	T	GT	+/-
rs1611114	DBH C3719T	T	CT	+/-
rs1611115	DBH variant	T	CC	-/-
rs3025382	DBH G5837A	A	GG	-/-
rs2007153	DBH T7335C	T	CT	+/-
rs2519155	DBH T8114C	T	TT	+/*
rs1108580	DBH A486G	A	AG	+/-
rs1108581	DBH A8757G	G	AG	+/-
rs2873804	DBH T9160C	T	CT	+/-
rs5320	DBH G631A	A	AG	+/-
rs5321	DBH G717C	C	GG	-/-
rs5324	DBH G12174A	A	GG	-/-
rs1611123	DBH C12599T	T	CT	+/-
rs1611125	DBH C12828T	T	CT	+/-
rs4531	DBH G952T	T	GG	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2519152	DBH T13150C	C	CT	+/-
rs1541332	DBH G15032A	A	AA	+/*
rs2519154	DBH T15791C	C	CT	+/-
rs2797853	DBH T16031C	T	CC	-/-
rs2283123	DBH C18813T	T	CC	-/-
rs77905	DBH A1410G	A	AG	+/-
rs2097628	DBH T2145C	A	AA	+/*
rs129882	DBH C27185T	T	CT	+/-
rs11599164	ANK3 C666301A	T	GG	-/-
rs9804190	ANK3 G658454A	C	CC	+/*
rs10761482	ANK3 T62085337C	C	CC	+/*
rs10994336	ANK3 G318473A	T	CC	-/-
rs10994397	ANK3 G219161A	T	CC	-/-
rs1938526	ANK3 T197902C	G	AA	-/-
rs3758653	DRD4 T4095C	C	CT	+/-
rs916457	DRD4 C4710T	T	CC	-/-
rs752306	DRD4 C5318T	T	CC	-/-
rs1800443	DRD4 T581G	G	TT	-/-
rs11246226	DRD4 C8887A	A	AC	+/-
rs4331145	DRD4 T643683C	T	CT	+/-
rs2070762	TH T1090C	G	GG	+/*
rs28934580	TH G1010A//R337H	T	CC	-/-
rs28934581	TH A733C	G	TT	-/-
rs7483056	TH T7517C	A	GG	-/-
rs6356	TH V112M	T	CT	+/-
rs1800497	ANKK1 E713K	A	AG	+/-
rs10891549	DRD2 A72555G	C	CT	+/-
rs2234689	DRD2 C72519G	G	CC	-/-
rs2242592	DRD2 C71572T	G	AA	-/-
rs6277	DRD2 C957T	A	AG	+/-
rs6275	DRD2 T852C	A	GG	-/-
rs1076560	DRD2 G67314T	A	AC	+/-
rs2283265	DRD2 G65466T	A	AC	+/-
rs2734838	DRD2 T64501C	G	AG	+/-
rs2440390	DRD2 A64124G	C	CC	+/*
rs1079727	DRD2 A61820G	C	CT	+/-
rs1076563	DRD2 T55093G	A	AC	+/-
rs1079597	DRD2 G54716A	T	CT	+/-
rs1079596	DRD2 G54383A	T	CT	+/-
rs1125394	DRD2 A53817G	T	CT	+/-
rs2471857	DRD2 G52663A	T	CT	+/-
rs4436578	DRD2 G44237A	T	TT	+/*
rs4620755	DRD2 C41383T	A	GG	-/-
rs11214606	DRD2 G41133A	T	CC	-/-
rs7125415	DRD2 G40321A	T	CC	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4648318	DRD2 A37613G	C	TT	-/-
rs4648319	DRD2 C36639T	G	AG	+/-
rs17529477	DRD2 C33935T	A	AG	+/-
rs4245146	DRD2 A33029G	C	CT	+/-
rs4936270	DRD2 A32594G	T	CC	-/-
rs4274224	DRD2 C31550T	G	AG	+/-
rs4581480	DRD2 G26528A	C	TT	-/-
rs7131056	DRD2 T21228G	A	CC	-/-
rs4648317	DRD2 C19470T	A	AG	+/-
rs4938019	DRD2 A9611G	C	CT	+/-
rs1799978	DRD2 A4651G	T	TT	+//
rs12364283	DRD2 T4047C	G	AA	-/-
rs1006737	CACNA1C G115699A	A	GG	-/-
rs2159100	CACNA1C C271442T	T	CC	-/-
rs216013	CACNA1C A2729632G	G	AA	-/-
rs2302729	CACNA1C T709021C	T	CC	-/-
rs1051375	CACNA1C G5445A	A	AA	+//
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	AG	+/-
rs772897	PAH G1155C	G	CC	-/-
rs5030855	PAH IVS10-11G>A	T	CC	-/-
rs1722387	PAH A75311G	T	CC	-/-
rs1718312	PAH T75193C	G	AG	+/-
rs5030853	PAH A300S	A	CC	-/-
rs5030852	PAH IVS7+1G>A	T	CC	-/-

Neurotransmitter Pathway: Serotonin & Dopamine (continued)

(See Figure 3)

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs5030849	PAH G782A	T	CC	-/-
rs3817446	PAH A55562G	C	CT	+/-
rs1718301	PAH C45188T	A	AG	+/-
rs2037639	PAH C45031T	A	AG	+/-
rs1722392	PAH G37636A	T	CT	+/-
rs1522305	PAH C35625G	G	GG	+//
rs10860936	PAH A33429G	C	TT	-/-
rs10778209	PAH T32409C	A	GG	-/-
rs11111419	PAH T31338A	T	AA	-/-
rs62507347	PAH A27743C	C	TT	-/-
rs1522307	PAH T17864C	G	AA	-/-
rs5030841	PAH L48S	G	AA	-/-
rs1522296	PAH C5594T	A	GG	-/-
rs2293054	NOS1 T2202C	A	GG	-/-
rs3782206	NOS1 G59494A	T	CC	-/-
rs7298903	NOS1 A57373G	C	TT	-/-
rs10483639	GCH1 G55306457C	C	GG	-/-
rs841	GCH1 C64051T	A	GG	-/-
rs752688	GCH1 G62974A	T	CC	-/-
rs4411417	GCH1 A53980G	C	TT	-/-
rs2878168	GCH1 C53758T	A	GG	-/-
rs2878169	GCH1 variant	T	GG	-/-
rs9671371	GCH1 G45908A	C	CC	+//
rs7492600	GCH1 C37668A	T	GG	-/-
rs12147422	GCH1 A30528G	T	TT	+//
rs3783637	GCH1 G26425A	C	CC	+//
rs8004018	GCH1 T23847C	G	AA	-/-
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	+//
rs168924	SLC6A2 A5003G	G	AA	-/-
rs2242446	SLC6A2 C5884T	T	TT	+//
rs3785143	SLC6A2 C10565T	T	CC	-/-
rs1532701	SLC6A2 G13486A	G	AA	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs36020	SLC6A2 C28547T	T	CC	-/-
rs3785152	SLC6A2 T32009C	T	CC	-/-
rs40147	SLC6A2 G32299A	G	GG	+/?
rs10521329	SLC6A2 C35917A	A	CC	-/-
rs4564560	SLC6A2 A40223G	G	AG	+/-
rs11568324	SLC6A2 C41517T	T	CC	-/-
rs3785157	SLC6A2 C45295T	T	CT	+/-
rs5568	SLC6A2 A45583C	C	AA	-/-
rs1566652	SLC6A2 G47034T	T	GG	-/-
rs998424	SLC6A2 G47405A	G	AG	+/-
rs36009	SLC6A2 C48079T	T	CT	+/-
rs5558	SLC6A2 T49018G	G	TT	-/-
rs1800887	SLC6A2 T49048C	T	TT	+/?
rs2242447	SLC6A2 C51371T	T	CT	+/-
rs7946	PEMT G634A	T	CT	+/-
rs4646406	PEMT T17020543A	T	AA	-/-
rs4244593	PEMT T17023592G	T	GG	-/-
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	CT	+/-
rs3760138	AANAT G18677AT	T	GT	+/-
rs28697191	AANAT C735T	T	CC	-/-
rs933271	COMT A2953G	T	TT	+/?
rs1544325	COMT A7406G	A	AG	+/-
rs5993883	COMT T13376G	T	GT	+/-
rs739368	COMT G14834A	A	GG	-/-
rs4646312	COMT T24075C	C	CT	+/-
rs165656	COMT G24601C	C	CG	+/-
rs6269	COMT A-1324G	G	AG	+/-
rs4633	COMT H62H	T	CT	+/-
rs2239393	COMT A 26166G	G	AG	+/-
rs740601	COMT T26501G	T	GT	+/-
rs8192488	COMT C438T	T	CC	-/-
rs4680	COMT V158M	A	AG	+/-
rs769224	COMT -61 P199P	A	GG	-/-
rs4646316	COMT C27870T	T	CC	-/-
rs165774	COMT G28299A	A	GG	-/-
rs174696	COMT C28914T	C	TT	-/-
rs174699	COMT C30196T	C	TT	-/-
rs9332377	COMT C31430T	T	CC	-/-
rs165599	COMT G*522A	A	AA	+/?
rs5953210	MAOA G3638A	G	AG	+/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs5906883	MAOA A16535C	C	AC	+/-
rs5906957	MAOA A36902G	G	AG	+/-
rs909525	MAOA C42794T	C	CT	+/-
rs6323	MAOA R297R/G492T/T941G	G	TT	-/-
rs2235186	MAOA A85020G	A	GG	-/-
rs2072743	MAOA T89113C	C	CC	+/+
rs1137070	MAOA T1011C/1460C	T	CC	-/-
rs1799836	MAOB A118723G	C	CC	+/+
rs10521432	MAOB C112982T	G	AA	-/-
rs6651806	MAOB T57758G	A	CC	-/-

Other Immune Factors

22 variants found 5 7 10

Risk Summary: 5 high risk variants, 7 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	CT	+/-
rs6822844	4q27 Region 123509421G>T	G	GG	+/*
rs479405	DMGDH G67591T	C	AC	+/-
rs402701	DMGDH T39928C	G	GG	+/*
rs532964	DMGDH T835C	A	AA	+/*
rs2253262	DMGDH T372G	A	AC	+/-
rs2069812	IL5 A131879916G	G	GG	+/*
rs20541	IL-13 variant	A	GG	-/-
rs1800629	TNF -308 variant	A	AG	+/-
rs361525	TNF -238 variant	A	AG	+/-
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	GSDB variant	T	CC	-/-
rs17851582	GAMT C9110T	G	GG	+/*
rs55776826	GAMT G7497A	T	CT	+/-
rs429358	APOE ApoE epsilon 4	C	TT	-/-

Pentose Phosphate Pathway

48 variants found 18 12 18

(See Figure 10)

Risk Summary: 18 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
rs7524046	H6PD A212A	A	AG	+/-
rs2268169	H6PD G9321241A	A	AG	+/-
rs6688832	H6PD G9323910A	G	GG	+/?
rs17368528	H6PD P554L	T	CC	-/-
rs9434742	H6PD Y673Y	T	TT	+/?
rs2071931	H6PD C9329289T	T	TT	+/?
rs855315	PGM1 A64069612G	G	AA	-/-
rs2269260	PGM1 G64085337A	A	GG	-/-
rs2269241	PGM1 T64108771C	G	CT	-/-
rs4643	PGM1 A64125439C	C	AC	+/-
rs6702820	DDR2 A162603881G	G	AA	-/-
rs10917577	DDR2 A162613975G	G	GG	+/?
rs10494373	DDR2 A162619362C	C	AA	-/-
rs10799854	DDR2 C162619828T	T	TT	+/?
rs3795641	DDR2 G162625020A	G	AA	-/-
rs12044481	DDR2 G162635875A	A	AA	+/?
rs6693632	DDR2 T162648343C	C	TT	-/-
rs7553831	DDR2 T162661011G	G	GG	+/?
rs4559477	DDR2 T162681151G	T	GG	-/-
rs2684866	DDR2 A162726281C	C	CC	+/?
rs1780007	DDR2 A162748025C	C	CC	+/?
rs4666014	RBKS G28019175A	G	GG	+/?
rs11127125	RBKS T28023120C	T	TT	+/?
rs4464229	RBKS C28038080T	C	CC	+/?
rs4666020	RBKS G28046028A	A	GG	-/-
rs1667627	MTHFD2 C8503T	C	CT	+/-
rs7387	DHFR A*115T	T	TT	+/?
rs1650697	DHFR/MSH T-473A	A	AG	+/-
rs7768030	PHACTR1 12822973A>C	A	AA	+/?
rs9296486	PHACTR1 12848969T>G	G	TT	-/-
rs9369640	PHACTR1 12901441C>A	C	AA	-/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs9349379	PHACTR1 12903957A>G	G	AG	+/-
rs12526453	PHACTR1 12927544C>G	C	CC	+/*
rs6906890	PHACTR1 12961220A>G	G	AA	-/-
rs10485363	PHACTR1 13137765G>T	T	GG	-/-
rs4715166	PHACTR1 13216058A>G	G	AG	+/-
rs202072	PHACTR1 13268211A>G	A	AG	+/-
rs11754661	MTHFD1L G25264A	G	GG	+/*
rs17349743	MTHFD1L T31397C	C	TT	-/-
rs803422	MTHFD1L A33780G	A	AG	+/-
rs6922269	MTHFD1L G71171A	A	GG	-/-
rs4129219	FBP1 T97390288C	C	TT	-/-
rs11246300	TALDO1 C749776T	T	CT	+/-
rs3895063	TALDO1 G755659A	A	AG	+/-
rs1076991	MTHFD1 C105T	C	CC	+/*
rs2236225	MTHFD1 R635Q	A	AG	+/-
rs2838549	PFKL G45734885A	A	GG	-/-
rs7062536	PRPS2 G12839152A	G	GG	+/*

Thiamin/Thiamine Degradation

97 variants found 23 19 55

(See Figure 11)

Risk Summary: 23 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	WDTC1 (ADP) C27583993T	C	TT	-/-
rs11589265	WDTC1 (ADP) C27595862T	C	CT	+/-
rs837398	CYP4B1 T6753A	A	AT	+/-
rs837395	CYP4B1 T6753T	T	AT	+/-
rs4646487	CYP4B1 R173W	T	CT	+/-
rs12094024	CYP4B1 Y330S	C	AA	-/-
rs2297810	CYP4B1 M332I	A	GG	-/-
rs59694031	CYP4B1 C370S	C	GG	-/-
rs2297809	CYP4B1 R376C	T	CC	-/-
rs12059860	CYP4B1 T25254C	C	TT	-/-
rs6656822	SLC19A2 A23663G	T	CC	-/-
rs12185692	GAD1 (GAD) C2627A	A	AA	+/?
rs3791878	GAD1 (GAD) G3992T	G	GG	+/?
rs3749034	GAD1 (GAD) G5276A	A	GG	-/-
rs2241165	GAD1 (GAD) C10180T	T	TT	+/?
rs3828275	GAD1 (GAD) C14541T	T	TT	+/?
rs2241164	GAD1 (GAD) C18360T	C	TT	-/-
rs2058725	GAD1 (GAD) T21922C	C	TT	-/-
rs769407	GAD1 (GAD) G25509C	C	GG	-/-
rs3791851	GAD1 (GAD) T30473C	C	TT	-/-
rs701492	GAD1 (GAD) C34281T	C	CC	+/?
rs3791850	GAD1 (GAD) G39901A	G	GG	+/?
rs769395	GAD1 (GAD) A48604A	A	AA	+/?
rs12185721	SLC19A3 L252L	T	CC	-/-
rs3163	TKT P606P	T	CC	-/-
rs3736156	TKT A53263279G	A	AA	+/?
rs11130362	TKT C53265766T	T	CC	-/-
rs4687717	TKT T53282188C	T	CT	+/-
rs4687718	TKT A53282303G	A	AG	+/-
rs1057807	RFC1 A39289473G	A	AG	+/-
rs9993224	RFC1 C39300198T	T	CT	+/?

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs2066786	RFC1 P848P	C	CT	+/-
rs2066789	RFC1 G39308187A	G	AA	-/-
rs6844176	RFC1 T39366590C	C	CT	+/-
rs6851075	RFC1 T39367654C	C	CT	+/-
rs969356	TPK1 C364824T	G	AA	-/-
rs10224675	TPK1 T245385C	G	AA	-/-
rs12009	HSPA5 (GRP78) C11364T	A	AG	+/-
rs430397	HSPA5 (GRP78) G7548A	T	CC	-/-
rs2236418	GAD2 (GAD) A26505496G	A	AA	+/?
rs8190612	GAD2 (GAD) C26512375T	T	CT	+/-
rs8190646	GAD2 (GAD) A26520507G	G	AA	-/-
rs1330581	GAD2 (GAD) A26528835G	A	AG	+/-
rs1805398	GAD2 (GAD) G26474809T	G	GG	+/?
rs2368160	GAD2 (GAD) G26540771A	G	AG	+/-
rs1049982	CAT T5070C	T	CC	-/-
rs10836235	CAT C5233T	T	CC	-/-
rs11604331	CAT A5298G	G	GG	+/?
rs12272630	CAT G6194C	C	GG	-/-
rs480575	CAT A12175G	G	AA	-/-
rs11032703	CAT C14185T	T	CC	-/-
rs2300181	CAT C21068T	T	CC	-/-
rs2284365	CAT T29502C	C	TT	-/-
rs2420388	CAT G35066A	G	GG	+/?
rs7947841	CAT G36209A	A	GG	-/-
rs499406	CAT T36470C	T	TT	+/?
rs17880442	CAT C1476T	T	CC	-/-
rs7320729	ATP8A2 (ATP) T7044148C	T	CC	-/-
rs9578871	ATP8A2 (ATP) A7059627G	G	GG	+/?
rs6491066	ATP8A2 (ATP) F561F	T	TT	+/?
rs3117849	ATP8A2 (ATP) G7279179A	A	GG	-/-
rs306395	ATP8A2 (ATP) A7430564G	A	AG	+/-
rs3783139	ATP8A2 (ATP) T7520642C	C	TT	-/-
rs912514	ATP8A2 (ATP) C7524369T	C	CT	+/-
rs975508	ATP8A2 (ATP) A7545586G	A	AG	+/-
rs2156310	TFF1 G781047A	A	AG	+/-
rs12613	CBS G*299A	T	CC	-/-
rs1051298	SLC19A1 C32560T	A	GG	-/-
rs1051296	SLC19A1 T32525G	C	AA	-/-
rs35786590	SLC19A1 A518V	A	GG	-/-
rs7278825	SLC19A1 A429V	A	GG	-/-
rs1888530	SLC19A1 (THTR2) G30963A	C	CC	+/?
rs3788190	SLC19A1 C30428T	A	GG	-/-
rs2838956	SLC19A1 T22362C	A	AA	+/?
rs2297291	SLC19A1 T22046C	A	GG	-/-
rs4818789	SLC19A1 C18559A	G	TT	-/-

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SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4819128	SLC19A1 G17737A	T	TT	+/-
rs12659	SLC19A1 P192P	A	GG	-/-
rs914232	SLC19A1 A14636G	T	CC	-/-
rs2330183	SLC19A1 G14094A	T	TT	+/-
rs3788200	SLC19A1 (THTR2) T10815C	A	GG	-/-
rs1051266	SLC19A1 H27R	T	CC	-/-
rs4819130	SLC19A1 G9087A	T	TT	+/-
rs766420	TKTL1 C35378G	G	CC	-/-
rs766419	TKTL1 A35635G	G	AA	-/-
rs2872817	TKTL1 A39392G	G	AA	-/-
rs1050757	G6PD A*357G	T	TT	+/-
rs72554664	G6PD R493H	T	CC	-/-
rs2071429	G6PD A153760508G	A	AA	+/-
rs2230037	G6PD T438T	G	GG	+/-
rs2230036	G6PD Q402Q	T	CC	-/-
rs5986990	G6PD G153761628A	A	GG	-/-
rs5030868	G6PD S219F	A	GG	-/-
rs1050829	G6PD N156D	C	TT	-/-
rs1050828	G6PD V98M	T	CC	-/-
rs762515	G6PD A16260G	C	TT	-/-
rs2472394	G6PD G9437T	A	CC	-/-

Thyroid

8 variants found 1 5 2

Risk Summary: 1 high risk variants, 5 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	AG	+/-
rs1867277	FOXE1 5378A>G	A	AA	+/ ⁺
rs7043516	FOXE1 variant	C	AC	+/-
rs10984009	FOXE1 8124G>A	A	GG	-/-
rs12934922	BCMO1 R267S Arg267Ser	T	AT	+/-
rs4889294	BCMO1 36464T>C	C	CT	+/-
rs7501331	BCMO1 A379V Ala379Val	T	CT	+/-
rs1800458	TTR Gly26Ser	A	GG	-/-

Trans-Sulfuration Pathway

34 variants found 2 14 18

(See Figure 8)

Risk Summary: 2 high risk variants, 14 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	GG	-/-
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	+/-
rs6458687	MUT A2011G	T	CC	-/-
rs6458690	MUT T24234C	G	AA	-/-
rs2272306	CSAD C25411T	A	GG	-/-
rs1006959	CSAD C13258T	A	GG	-/-
rs2733103	MTHFS - ST20 MTHFS G56057A	T	CC	-/-
rs6495446	MTHFS - ST20 MTHFS G39646A	C	CT	+/-
rs296366	SULT2A1 A20117G	C	TT	-/-
rs296365	SULT2A1 G20104C	G	CC	-/-
rs11569679	SULT2A1 G781A	T	CC	-/-
rs4149452	SULT2A1 G17136A	T	CC	-/-
rs8113396	SULT2A1 T15557C	G	AA	-/-
rs2547242	SULT2A1 A15550G	C	TT	-/-
rs2910393	SULT2A1 A13527G	T	TT	+/ +
rs4149449	SULT2A1 G9696A	T	CT	+/-
rs2547231	SULT2A1 G9598T	A	AC	+/-
rs4149448	SULT2A1 T8298C	G	AG	+/-
rs2236270	GSS C25447A	T	GT	+/-
rs2273684	GSS A18836C	T	GT	+/-
rs28936396	GSS C373T	A	GG	-/-
rs6060124	GSS G11705T	C	AC	+/-
rs6088659	GSS A5997G	T	CC	-/-
rs706209	CBS C*351T	A	AG	+/-
rs706208	CBS T*330C	A	AG	+/-
rs1801181	CBS A360A	A	AG	+/-

SNP ID	SNP Name	Risk Allele	Your Allele	Result
rs4920037	CBS C19150T	A	GG	-/-
rs234706	CBS C699T	A	GG	-/-
rs2851391	CBS A13637G	T	CT	+/-

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Yeast/Alcohol Metabolism

15 variants found 3 1 11

(See Figure 7)

Risk Summary: 3 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
rs4767939	ALDH2 A7550G	A	AA	+/-
rs2238151	ALDH2 T12488C	T	TT	+/-
rs2238152	ALDH2 G15114T	T	GG	-/-
rs4648328	ALDH2 C23443T	T	CC	-/-
rs7311852	ALDH2 C25959G	G	CC	-/-
rs441	ALDH2 T29504C	C	TT	-/-
rs968529	ALDH2 T35023C	C	CC	+/-
rs4646778	ALDH2 C36438A	A	CC	-/-
rs671	ALDH2 G1369A	A	GG	-/-
rs16941667	ALDH2 C45068T	T	CC	-/-
rs72547564	ALDH3A2 G641A	A	GG	-/-
rs72547566	ALDH3A2 C13996T	T	CC	-/-
rs1800869	ALDH3A2 C17571G	G	CC	-/-
rs72547575	ALDH3A2 A1157G	G	AA	-/-
rs8069576	ALDH3A2 A23257G	A	AG	+/-

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Figure 1: Liver Detox - Phase II

Phase I & II Liver Detox

*Phase I (Cytochrome P450)

Fat Soluble Metabolite
(e.g., hormones, toxins)



Intermediate Metabolites

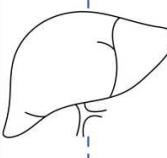
*Phase II (Conjugation Pathways)



Water Soluble Excretory Derivative

Serum to Kidneys
to Urine
or
Bile to Stool

- CYP19A1
- CYP1A1
- CYP1A2
- CYP1B1 (reproductive tissue, eye)
- CYP21A1
- CYP2481
- CYP26A1
- CYP27B1
- CYP2A13
- CYP2A6
- CYP2B6
- CYP2C19
- CYP2C9
- CYP2D6
- CYP3A4



Reactive Oxygen
Intermediaries
(Anti-oxidants
quench)

- Acetylation - NAT1, NAT2, etc.
- Glucuronidation - UGT1A1, UGT2A1, etc.
- Glutathione Conjugation - GGT1, GPX3, GSR, GSTM, GSTP, etc.
- Peptide Conjugation - Glycine, Taurine
- Methylation - MTHFR, MTR, MTRR, COMT, etc.
- Sulfation - SULT1A1, SULT1A2, etc.

*Enzyme CoFactors:

- Vitamins: B2, B3, B6, B9 (folate)
- Other: Glutathione, Leucine, Isoleucine, Valine, Flavonoids, Phospholipids

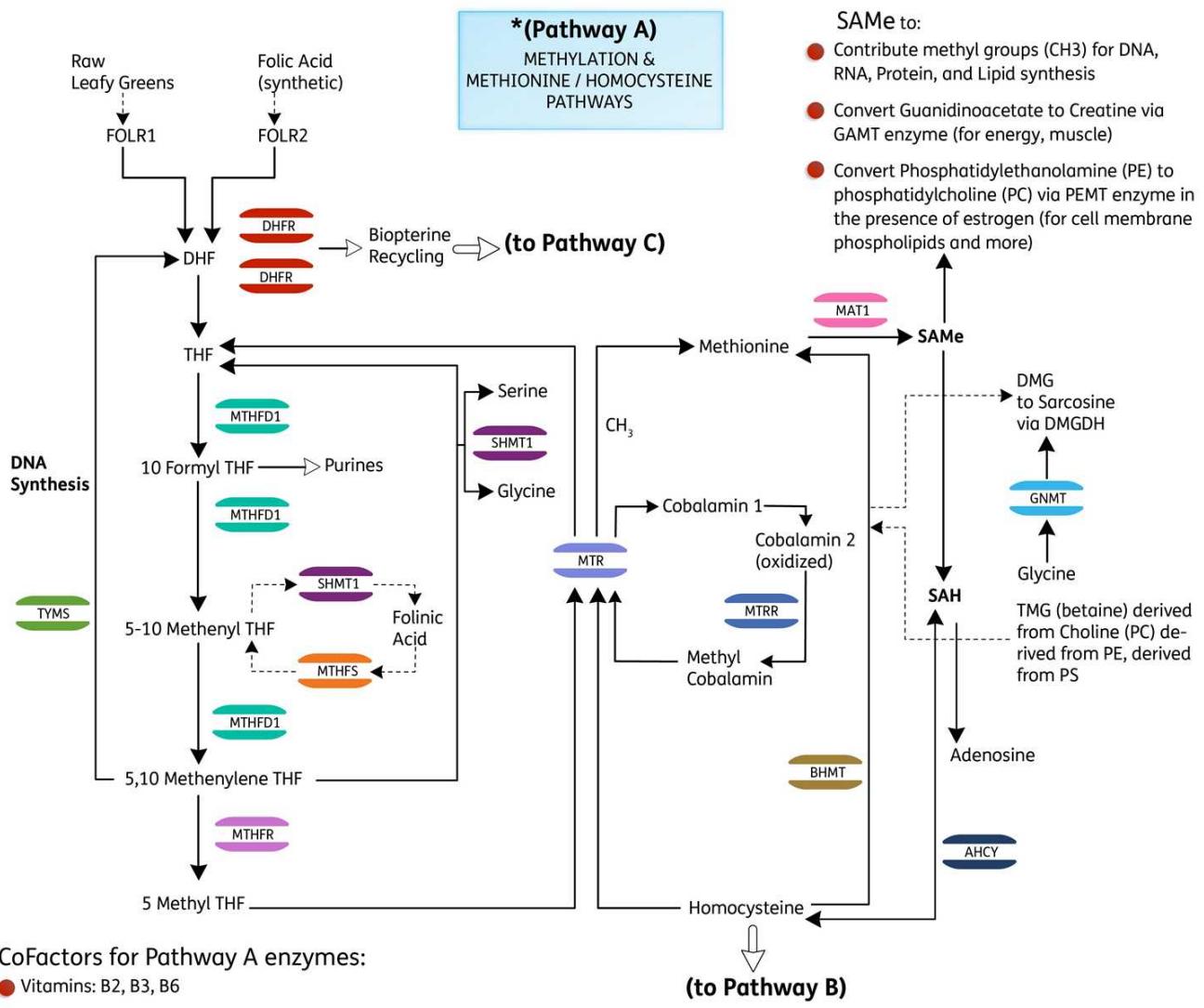
*Enzyme CoFactors:

- Glycine
- Taurine
- Glutamine
- N-acetylcysteine
- Cysteine
- Methionine

Note: Slow Phase II Conjugation (e.g., COMT SNPs) wrt to Phase I, contributes to disease as Reactive Oxygen Intermediaries can cause free radical damage to tissue.

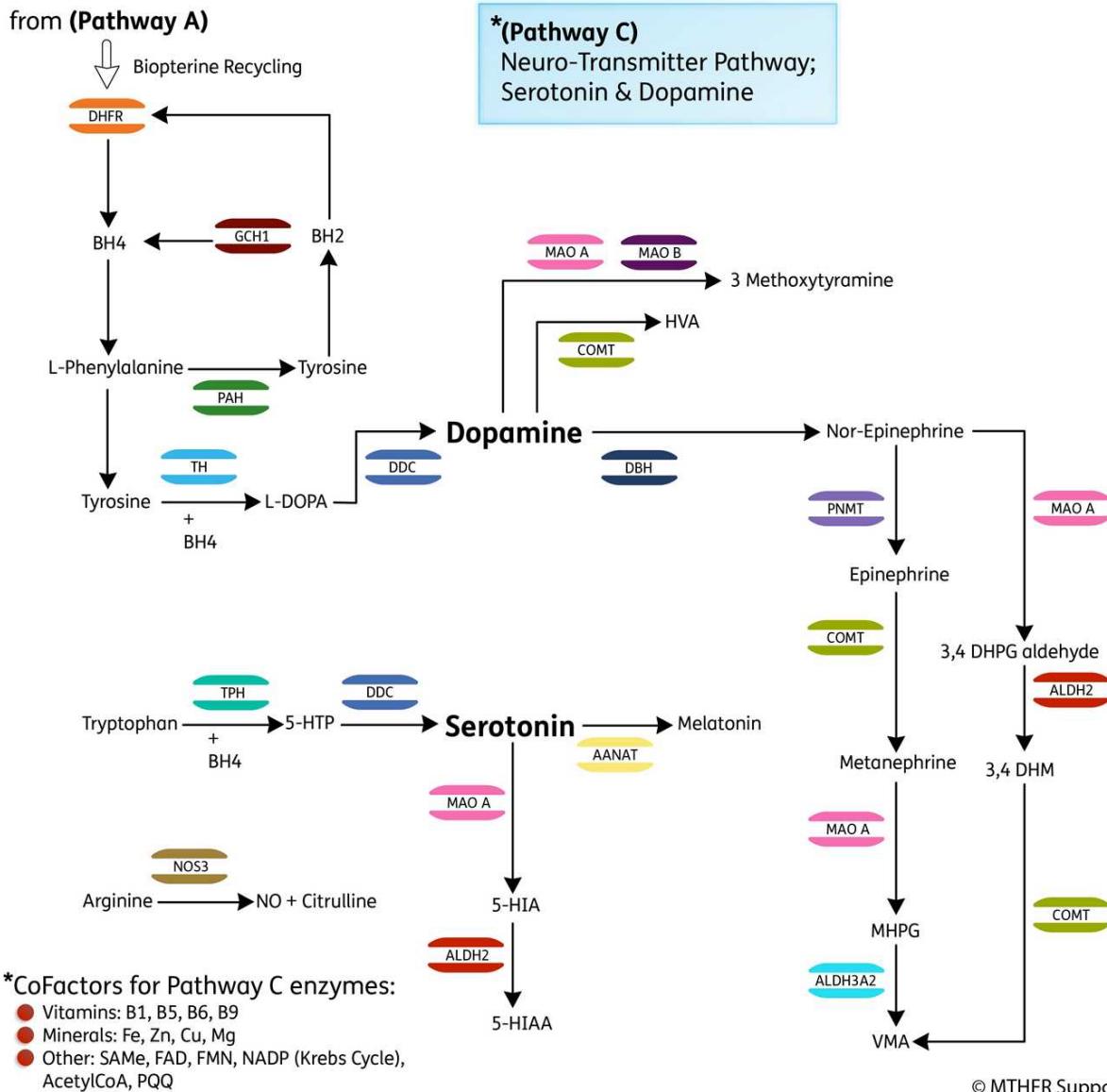
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Pathway diagram illustrating genetic variants and their interactions in the Liver Detox - Phase II category. Refer to your specific variant results in the corresponding category section.

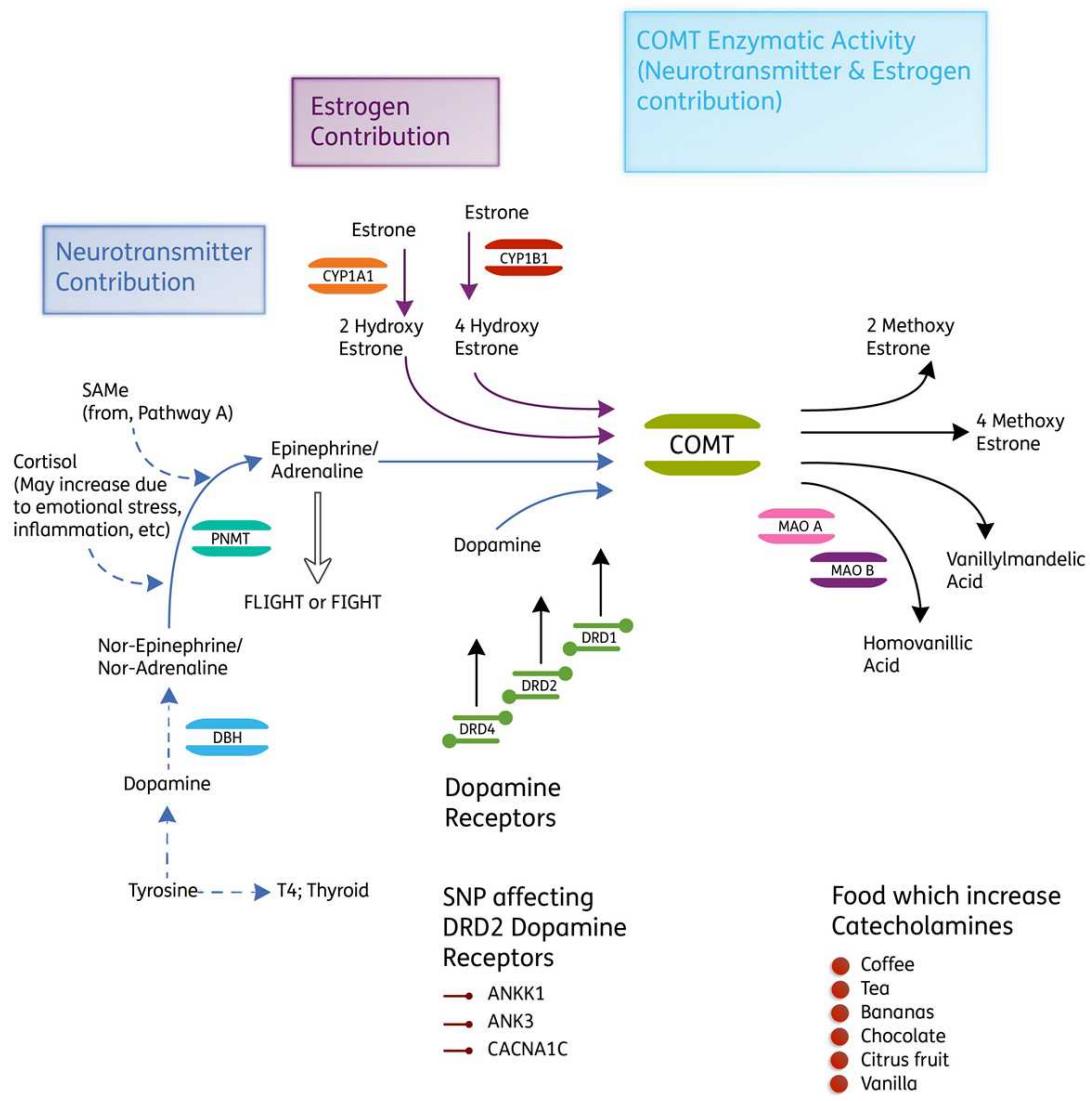
Figure 2: Methylation & Methionine/Homocysteine Pathways


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.

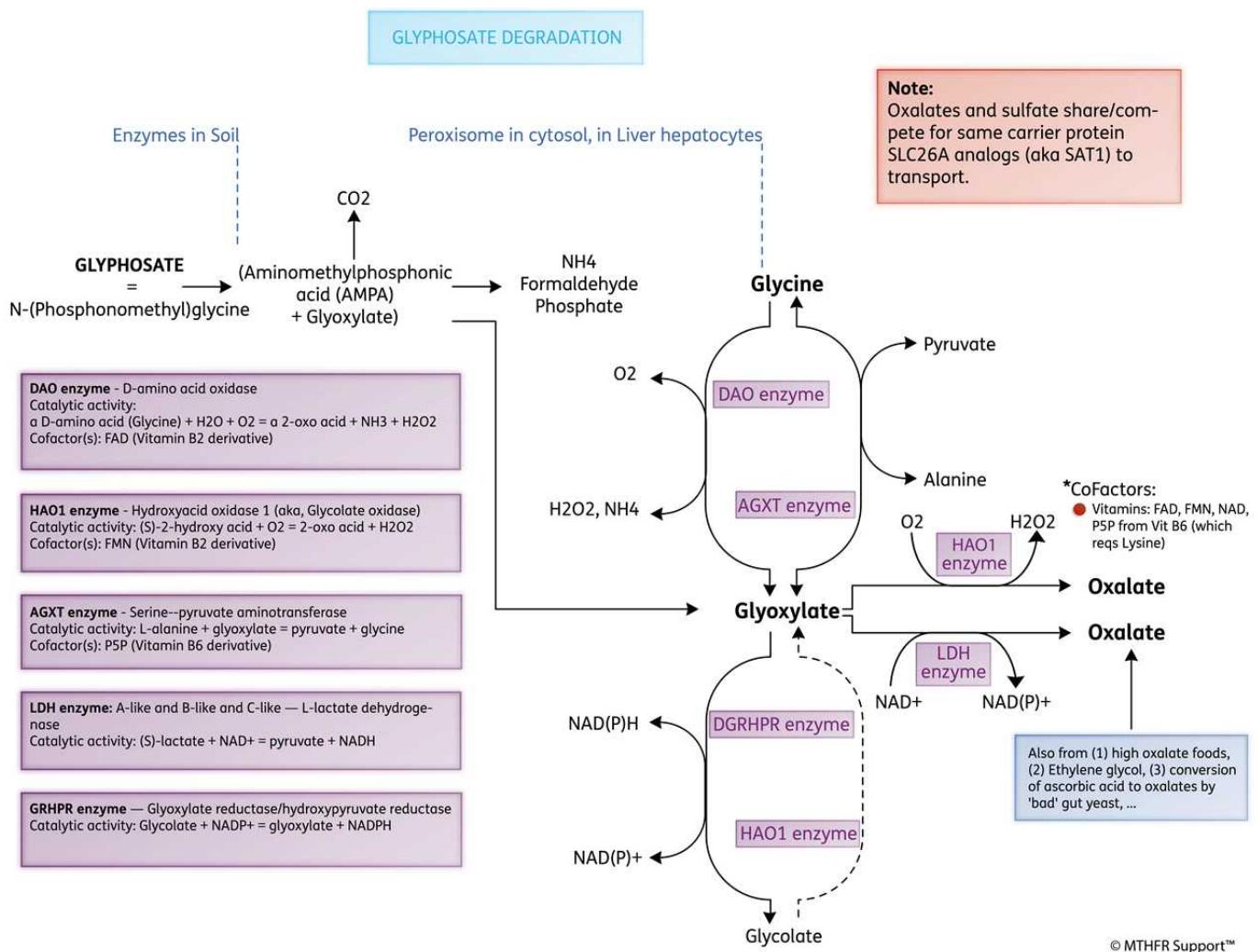
Figure 3: Neurotransmitter Pathway: Serotonin & Dopamine



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

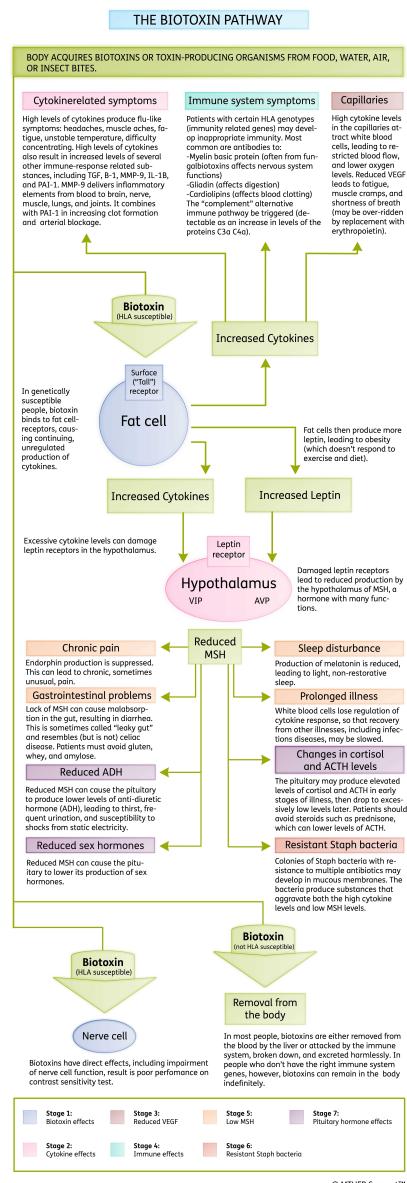
Figure 4: COMT Activity


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

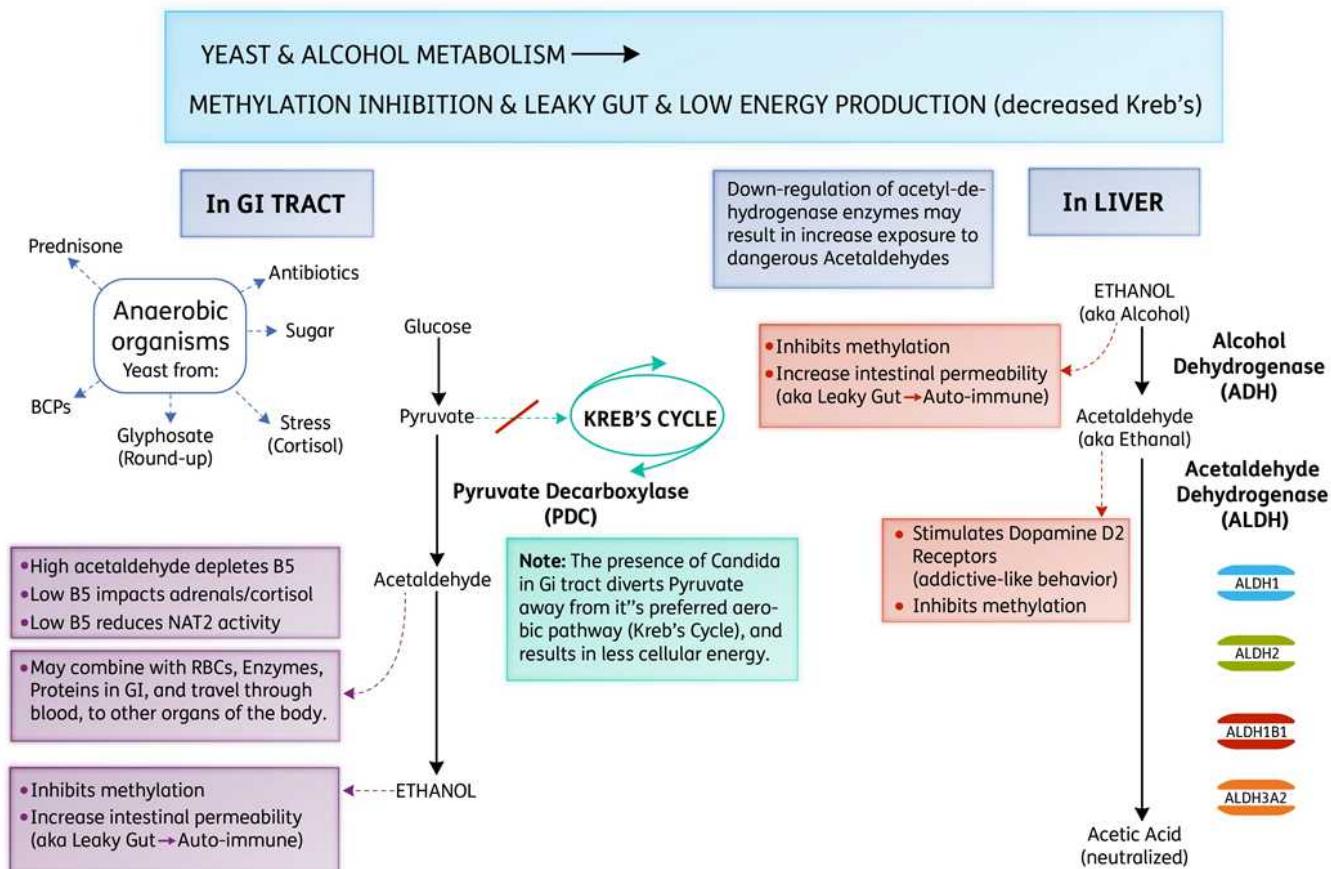
Figure 5: Glyoxylate Metabolic Process


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.

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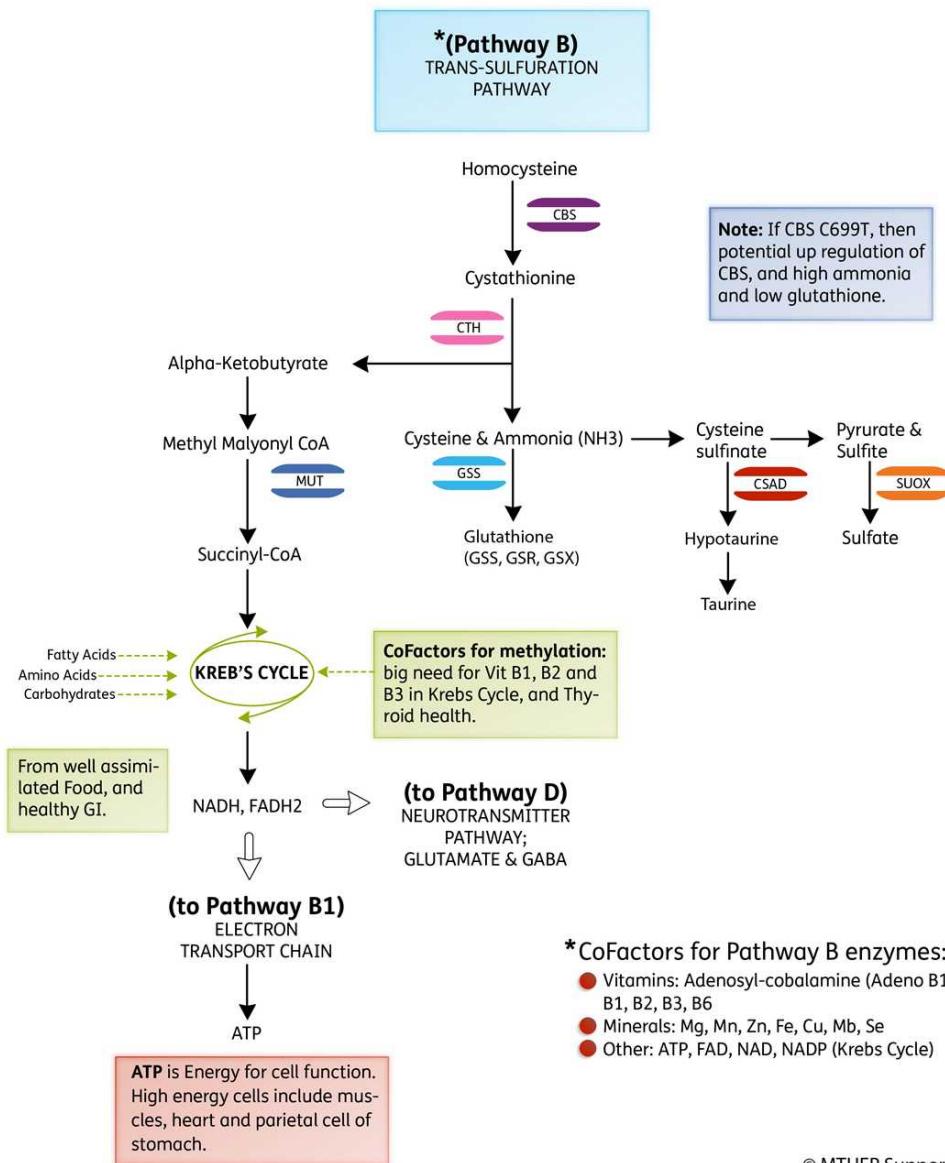
Figure 6: HLA


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.

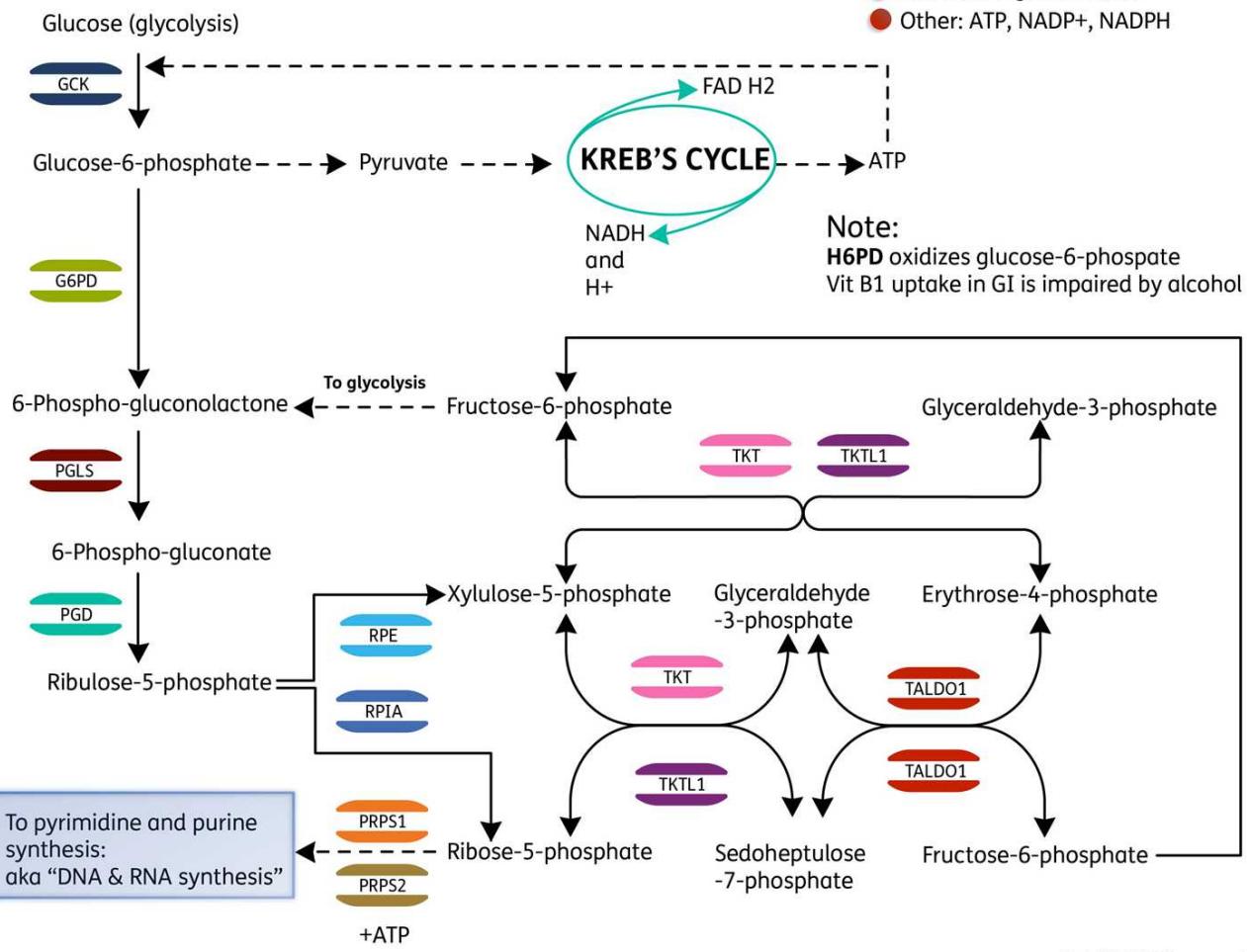
Figure 8: Trans-Sulfuration Pathway


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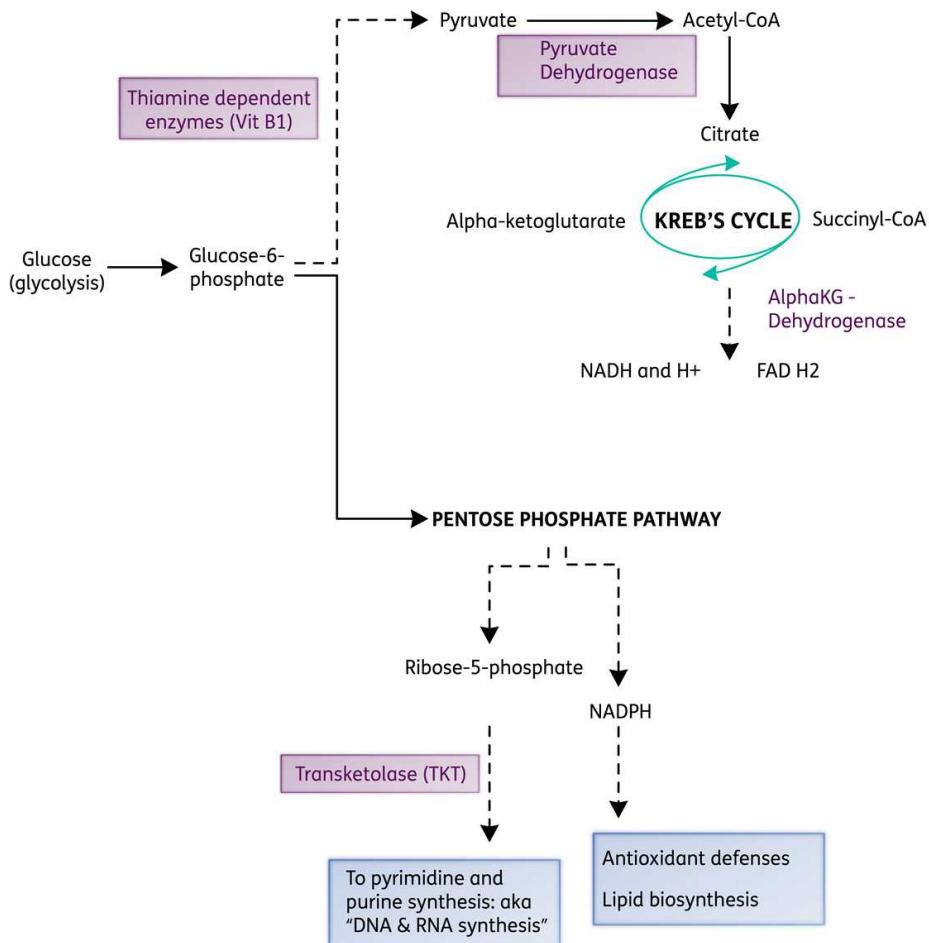
Pathway diagram illustrating genetic variants and their interactions in the Trans-Sulfuration Pathway category. Refer to your specific variant results in the corresponding category section.

Figure 10: Pentose Phosphate Pathway

*Pentose phosphate pathway

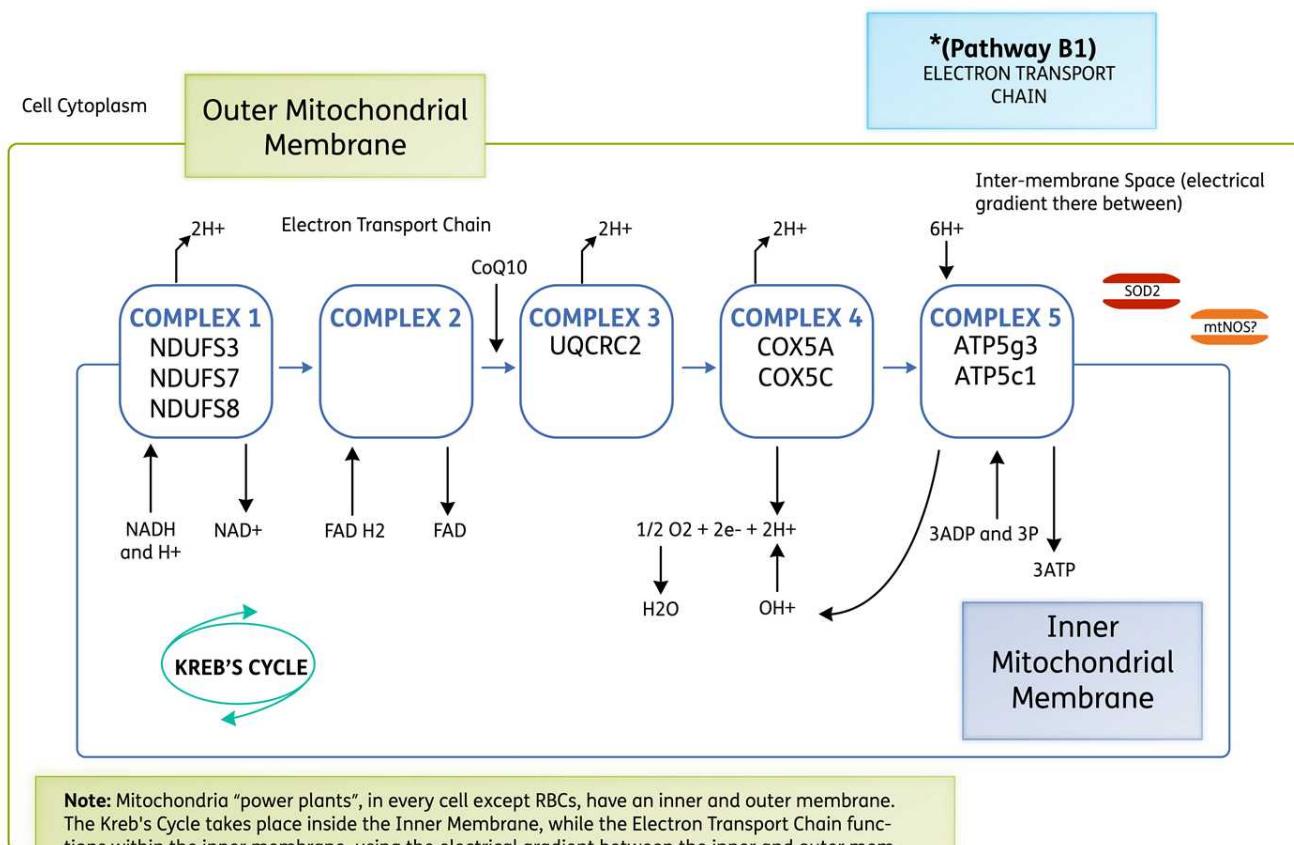


Pathway diagram illustrating genetic variants and their interactions in the Pentose Phosphate Pathway category. Refer to your specific variant results in the corresponding category section.

Figure 11: Thiamin/Thiamine Degradation
OVERVIEW CONNECTION BETWEEN: GLYCOLYSIS & PENTOSE PHOSPHATE PATHWAY & KREBS CYCLE & THIAMINE


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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


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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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