Variant Report

DETOX				
Gene & Variation	rsID #	Risk Allele	Your Alleles & Results	Notes
COMT V158M	rs4680	CC	-/-	(worrier) Advantage in memory and attention tasks. Higher dopamine levels; lower pain threshold, enhanced vulnerability to stress, yet also more efficient at processing information under most conditions. (warrior) Advantage better stress resiliency, lower dopamine levels; higher pain threshold, albeit with a modest reduction in executive cognition performance under most conditions.
COMT H62H	rs4633	CC	-/-	Higher risk for endometrial cancer.
COMT P199P	rs769224	GG	-/-	Low enzymatic activity haplotypes of the human catechol-O-methyltransferase gene: enrichment for marker SNPs.
ACAT1-02	rs3741049	GG	-/-	Plays a major role in ketone body metabolism. Defects cause a 3-ketothiolase deficiency. Possibly cause an increase in gut bugs (particularly clostridia) as well as elevated fatty acid metabolites.
MTHFR 03 P39P	rs2066470	GG	-/-	Associated with lean body mass but not fat body mass in a study of ~1,800 Caucasians.

MTHFR A1298C	rs1801131	TT	-/-	Increased risk for several types of brain cancer. Associated with the highest risk of meningioma.
MTR A2756G	rs1805087	AA	-/-	Associations of folate and choline metabolism gene polymorphisms with orofacial clefts.
MTRR H595Y	rs10380	CC	-/-	Increased chance of Pancreatic cancer. And 118 SNPs of folate-related genes and risks of spina bifida and conotruncal heart defects.
MTRR K350A	rs162036	AA	-/-	118 SNPs of folate-related genes and risks of spina bifida and conotruncal heart defects.
MTRR R415T	rs2287780	CC	-/-	The MTRR mutations make B12 enzyme less active, suggesting a need for more B12.
MTRR A664A	rs1802059	GG	-/-	The MTRR mutations make B12 enzyme less active, suggesting a need for more B12.
CBS N212N	rs2298758	GG	-/-	Possibly a risk for Ehlers-Danlos syndrome.
CYP1A1*2C A4889G	rs1048943	TT	-/-	Relationship between gene polymorphism of CYP2E1, CYP1A1, IL-4 and medicamentosa-like dermatitis induced by trichloroethylene.
CYP1B1 N453S	rs1800440	TT	-/-	CYP1B1 genotype and risk of cardiovascular disease, pulmonary disease, and cancer in 50,000 individuals.
CYP2E1*4 4768G>A	rs6413419	GG	-/-	The rs6413419(A) allele defines the CYP2E1*4 variant. Genetic Polymorphisms of the CYP2E1. Gene do not Contribute to Oral Cancer Susceptibility in South Indians.
CYP3A4*3 M445T	rs4986910	AA	-/-	Polymorphisms in estrogen biosynthesis and metabolism-related genes, ionizing radiation exposure, and risk of breast cancer among US radiologic technologists.

SOD2 A16V	rs4880	AA	-/-	Unavailable.
NAT1 R64W	rs1805158	CC	-/-	Unavailable.
NAT2 R197Q	rs1799930	GG	-/-	Slow acetylator due to N-acetyltransferase enzyme variant.
NAT2 G286E	rs1799931	GG	-/-	Slow acetylator due to N-acetyltransferase enzyme variant.
NAT2 R64Q	rs1801279	GG	-/-	Slow acetylator due to N-acetyltransferase enzyme variant.