



## DNA to Z Health Profile

### Mr. XX X YYY

Index	Gene	Condition	% Risk	Discription	Chromosome	SNP	Position
1	FAM171A2, GRN	Bad	60%	Somewhat increased (~2 - 3x) dementia risk	17	rs5848(A;A)	44352876
2	TG	Bad	56%	1.3x to 11.5x Increased risk of autoimmune thyroid disease	8	rs180223(G;T)	132888007
3	gs311	Bad	54%	Slow metabolizer of DCA (a cancer drug, and a drug used in metabolic problems in children, substance found in chlorinated swimming pool water),slow metabolizer of protein	4	gs311	
4	gs100	Bad	50%	Lactose intolerance risk	2	gs100	
5	ITGAV	Bad	50%	1.94x risk of developing rheumatoid arthritis	2	rs3738919(C;C)	186656533
6	MCM6	Bad	50%	likely to be lactose intolerant as an adult	2	rs4988235(C;C)	135851076
7	MTHFR	Bad	50%	Number of risks. Complex.	1	rs1801131(C;C)	11794419
8	CHRNA5	Bad	50%	slightly higher risk for nicotine dependence, lower risk for cocaine dependence	15	rs16969968(A;G)	78590583
9	SCARB1	Bad	50%	3x higher risk for age-related macular degeneration	12	rs5888(C;T)	124800202
10		Bad	50%	Possibly even more increased risk of scoliosis	10	rs11190870(T;T)	101219450
11	VKORC1	Bad	50%	coumadin resistance	16	rs9934438(A;A)	31093557
12	PCAT19	Bad	50%	1.39x increased risk for PCSM in patients with prostate cancer	19	rs11672691(G;G)	41479679
13	PLCE1	Bad	48%	1.9x increased risk for stomach & esophageal cancer (seen in Han Chinese)	10	rs2274223(G;G)	94306584
14	ITGAM	Bad	48%	1.78x increased risk for SLE	16	rs1143679(A;G)	31265490
15	LOXL1, LOXL1-AS1	Bad	44%	4.4x increased risk of exfoliation glaucoma	15	rs2165241(C;T)	73929861
16	ARSA	Bad	42%	carrier of one pseudoarylsulfatase A deficiency allele	22	rs6151429(A;G)	50625049
17	COQ2	Bad	42%	2x odds of myopathy if taking statins	4	rs4693596(C;C)	83268716
18	PCNX3, SIPA1	Bad	42%	2.15x more likely positive lymph node	11	rs931127(A;A)	65637829