

## EXPERIMENTAL MAN

Interaction of Environmental Factors and Genetic Variations

TRAIT			INDIVIDUAL RISK		
Type	Gene	Marker	Risk Variant	Author Results	Risk Factor
<b>Caffeine Fast</b>					
<b>Metabolizer</b>	CYP1A2	rs762551	A	AA	Fast
<b>Bitter Taste</b>	TAS2R38	rs1726866	T	TT	No Bitter Taste
<b>Sensitivity to smell</b>	OR11H7P	rs1953558	T	CC	Normal Smell
<b>Lactose Intolerance</b>	MCM6	rs4988235	C		
<b>Asthma</b>		rs16901979		CC	1
	GSTP1	Rs1695	G	AA	3.5
	ORMDL3	rs7216389	T	CC	0.69
		rs8067378	A	GG	
	ADH1C	rs28730619	??		
	PLEKHA1/ARNTL1	rs932275		GG	0.68
	TNRC9/TOX3	rs3803662	T	TT	1.42
	INPP4A	rs2278206	T	AA	Higher
	NPPA	rs5067	G	GG	0.5
	B2AR	Rs17334242		AG	
<b>B-Vitamin Efficiency</b>	TCN2	rs776	G	GG	Positive
	MTHFR	rs677	*	CC	Negative
<b>Celiac Disease</b>	PITX2	rs2200733	T	CC	1.13
<b>(Gluten Intolerance)</b>	HLA-DQA1	rs2187668	T	GG	0.3 - 1.0
	IL21	rs6822844		TT	0.46
	MYO9B	rs235764			
		rs6840978	C	TT	1
<b>Hemochromatosis</b>	C282Y	rs1800562		GG	
<b>Lower Back Pain</b>	CILP	rs2073711	C	CC	Higher
	COLL11A1	rs1676486	A	GG	
<b>Obesity</b>	ACE		Del	Del/Del	
	GPR74	rs9291171	G	AA	1
	PFKP	rs6602024	A	N/A^1	
	FTO	rs3751812	T	GG	0.8
	FTO	rs9930506	G	Affy 550	
<b>Pain Sensitivity</b>	COMT	rs4633	T	TT	
<b>Secondhand Smoke</b>					
<b>Susceptibility</b>	GSTP1	rs1695	G	AA	
<b>Skin Cancer</b>	XRCC1	rs25487	C	TC	2