

**THE EXPERIMENTAL MAN PROJECT**

Gene Marker Comparison: **deCodeme**, **23andme**, and **Navigenics**

Sampling of author results

Much more data to coming soon!

<u>Threat-Risk Color Codes</u>
<b>High Risk (over 1.5)</b>
<b>Medium Risk (over 1.2)</b>
<b>Average Risk (1.0)</b>
<b>Below Average Risk (Below 1.0)</b>
<b>Protective</b>

<u>Disease/Trait</u>	<u>Gene</u>	<u>Gene Marker</u>	<u>Risk Allele</u>	<u>Auth Results</u>	<u>Risk Factor</u>
<b>1. ADHD</b>	CLOCK	rs1801260	A	AA	
<b>2. Age-Related Macular Degeneration</b>	CFH	rs1329428	G	AG	<b>0.63<sup>^</sup></b>
	TNRC9/TOX3	rs13387042		AG	<b>0.99</b>
	LOC387715	rs10490924	T	GG	1
	C3 (?)	rs10737680	A	CC	1
	LOC387715	rs3750847	T	GG	*
	CFH	rs1061147		CC	0.33
	BF	rs641153		CC	*
<b>3. Alzheimer's</b>	APOE	rs4420638	G	AA	<b>0.51</b>
	APOE	rs4420638	G	AA	1
<b>4. Ankylosing spondylitis</b>	HLA	rs10050860	C	CC	Baseline (no protection)
	HLA	rs7302230	G	AA	Baseline
<b>5. Asthma</b>	ORMDL3	rs7216389		CC	<b>0.69</b>
	PLEKHA1/ARMD1	rs932275		GG	<b>0.68</b>
	TNRC9/TOX3	rs3803662	T	TT	<b>1.42</b>
<b>6. Atrial Fibrillation</b>	PITX2	rs10033464	T	GT	<b>1.13</b>
	PITX2	rs10033464	T	GT	<b>1.13</b>
	PITX2?	rs2200733	T	CC	1
	PITX2	rs10033464	T	GT	<b>1.13</b>
	PITX2?	rs2200733	T	CC	1
<b>7. Breast Cancer</b>	CASP8	rs17468277		CC	<b>1.03</b>
	TNRC9/TOX3	rs672888		CT	
	TNRC9/TOX3	rs13387042		AG	
	MAP3K1	rs4700485		GG	<b>0.93</b>
	FGFR2	rs2981582		CC	<b>0.83</b>
	LSP1	rs3817198		CC	<b>1.1</b>
	LSP1	rs672888		CT	<b>1.01</b>
	TNRC9	rs3803662	T	TT	

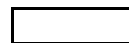
	FGFR2	rs1219648		AG	
	TNRC9	rs3803662	T	TT	
<b>8. Celiac Disease</b>	PITX2	rs2200733 <sup>^</sup>	T	CC	<b>1.13</b>
	HLA-DQA1	rs2187668 <sup>^</sup>	T	GG	<b>0.3</b>
	IL21	rs6822844		TT	<b>0.46</b>
	HLA-DQA1	rs21876686 <sup>†</sup>	T	GG	1
	IL2-IL22 locu	rs6840978	C	TT	1
	CTLA4	rs11571315	T	CC	1
	PITX2	rs2200733	T	CC	<b>1.13</b>
<b>9. Graves Disease</b>	CTLA4	rs3087243	G	GG	<b>2.32</b>
	PTPN22	rs6679677	A	CC	1
<b>10. Heart Attack</b>	CELSR2/PSEC	rs599839	G	AG	<b>0.86</b>
	CDKN2A/CDK	rs10116277	T	GT	<b>1</b>
	CDKN2A/CDK	rs1333049	C	CC	<b>1.72</b>
	MTHFD1L	rs6922269 <sup>^</sup>	A	AA	<b>1.53</b>
	CDKN2A/CDK	rs2383207	G	GG	<b>1.22</b>

<sup>^</sup> Bold risk factors = Results on site delivered as relative risks; non-bold = odds ratios

<sup>^^</sup> On beta site, not on public site.

<sup>^\*</sup> Identical SNPs tested by more than one company

<sup>^^\*</sup> Removed from site





<u>Source</u>	<u>Lifetime Risk</u> (Disease)	<u>Ave Life Risk</u> (Disease)
23andme	N/A	N/A
deCodeme	1.1%	8.0%
deCodeme		
Navigenics	0.4%	3.1%
Navigenics		
23andme	N/A	N/A
23andme		
23andme		
deCodeme	3%	6%
Navigenics	4.4%	9%
23andme	N/A	N/A
23andme		
deCodeme	0.69%	12.8%
deCodeme		
deCodeme		
deCodeme		
23andme		
23andme	28.50%	25%
23andme		
deCodeme		
deCodeme		
deCodeme		
deCodeme		
deCodeme		
deCodeme		
23andme		

23andme		
23andme		
deCodeme	0.10%	1%
deCodeme		
Navigenics	0.01%	0.06%
Navigenics		
Navigenics		
23andme		
Navigenics	0.64%	0.55%
Navigenics		
deCodeme	42%	49%
deCodeme		
Navigenics	62%	49%
Navigenics		
23andme	29.9%*	17%*

\*Based on a male Caucasian age 45-84