

14. Genes & SNPs included in the Supreme Fertility™ gene test

	Gene Symbol	ID Number	Main function	Wild type	Risk allele
1	ACE	rs4341	Blood circulation to the reproductive organs	CC	GG
2	ADIPOQ	rs17300539	Risk of insulin resistance	AA	GG
3	ADRB2	rs1042714	Carbohydrate sensitivity and exercise responsiveness	CC	GG
4	BCMO1	rs11645428	Functional support of reproductive organs	AA	GG
5	BDNF	rs6265	'Food' for brain chemicals	CC	TT
6	BHMT	rs567754	Homocysteine metabolism	CC	TT
7	CAT	rs1001179	1st line defense against oxidative stress	CC	TT
8	CBS	rs234706	Irreversible homocysteine disposal	GG	AA
9	CLOCK	rs1801260	Biological rhythms & reproduction	AA	GG
10	COMT	rs4680	Breakdown of adrenaline, nor/adrenaline & dopamine	GG	AA
11	CRP	rs1205	Low-grade chronic inflammation	TT	CC
12	CYP17A1	rs743572	DHEA & Androstenedione synthesis	AA	GG
13	CYP1A1*2C	rs1048943	Sensitivity to environmental toxins	TT	CC
14	CYP1A1Mspl	rs4646903	Sensitivity to environmental toxins	TT	CC
15	CYP1A2	rs762551	Caffeine detoxification	AA	CC
16	CYP1B1	rs1056836	Sensitivity to endocrine-disrupting chemicals	CC	GG
17	DAO	rs10156191	Antihistamine immune response & gluten sensitivity	CC	TT
18	DBP (416)	rs7041	Risk of vitamin D3 & calcium deficiencies	AA	CC
19	DBP (T>G)	rs2282679	Risk of vitamin D3 & calcium deficiencies	TT	GG
20	DIO2	rs225014	Availability of active T3 (thyroid) hormone	TT	CC
21	eNOS	rs1799983	Blood circulation & angiogenesis	GG	TT
22	Factor II	rs1799963	Clotting disorders & (recurrent) pregnancy loss	GG	AA
23	Factor V	rs6025	Clotting disorders & (recurrent) pregnancy loss	GG	AA
24	FABP2	rs1799883	Absorption of dietary fats	CC	TT
25	FADS1	rs174537	Synthesis of fatty acids: EPA & AA	GG	TT
26	FADS2	rs1535	Synthesis of the fatty acids: GLA & DHA	AA	GG
27	FKBP2	rs1360780	Cortisol sensitivity (stress hormone)	CC	TT
28	FOXE1	rs7850258	TSH (Thyroid Stimulating Hormone) levels	AA	GG
29	FTO	rs9939609	Obesity & PCOS risk	TT	AA
30	FUT2	rs602662	Risk of implantation failure	AA	GG
31	GPX1	rs1050450	1st line defense against oxidative stress	CC	TT
32	GSTM1	rs1065411	Addition of glutathione to toxins	PRS	ABS
33	GSTP1	rs1695	Addition of glutathione to toxins	AA	GG
34	GSTT1	rs2266637	Addition of glutathione to toxins	PRS	ABS
35	HFE 282	rs1800562	Risk of iron excess (hemochromatosis)	GG	AA
36	HFE 63	rs1799945	Risk of an iron excess (hemochromatosis)	CC	GG
37	HMOX1	rs2071746	Anti-inflammatory action & bacterial clearance	AA	TT
38	IL-1AT	rs17561	Pro-inflammatory response	CC	AA
39	IL-6	rs1800795	Pro- & anti-inflammatory response	GG	CC
40	ILR6	rs2228145	Acute inflammatory response	AA	CC
41	IRS1	rs2943641	Risk of insulin resistance	TT	CC
42	LEPR	rs1137101	Egg quality, sex hormones & risk of implantation failure	AA	GG
43	MAO A	rs6323	Breakdown of adrenaline, nor/adrenaline & dopamine	G	T
44	MAT1A	rs1985908	Production of methyl groups	AA	GG
45	MMP2	rs1132896	Structural support to endometrium	GG	CC
46	MnSOD	rs4880	1st line defense against oxidative stress in mitochondria	AA	GG
47	MTHFR677	rs1801133	Clotting disorders & (recurrent) pregnancy loss	GG	AA
48	MTHFR1298	rs1801131	Synthesis of serotonin, nor/adrenaline & dopamine	TT	GG
49	MTR	rs1805087	Homocysteine remethylation, methylated vit B ₁₂ & folate	AA	GG
50	MTRR	rs1801394	Methylated vit B ₁₂ requirements	AA	GG
51	MUC1	rs4072037	Risk of implantation failure	TT	CC
52	NAT2	rs1208	Acetylation (adding acetyl groups to toxins)	AA	GG
53	NQO1	rs1800566	Breakdown of benzene & quinone toxins	GG	AA
54	OGG1	rs1052133	Repair of DNA damage	CC	GG
55	OXTR	rs53576	Oxytocin sensitivity (feel 'loved')	GG	AA
56	PEMT	rs7946	Cell membrane integrity	CC	TT
57	PON1	rs662	Protection against DNA damage (TT= QQ, CC= RR)	TT	RR
58	PPARG	rs1801282	Monounsaturated dietary fat sensitivity	GG	CC
59	SHMT	rs1979277	Folate availability	GG	AA
60	SULT1A1	rs9282861	Sulfonation (adding sulfate to toxins)	CC	TT
61	TAS1R2	rs35874116	Contributes to sperm production	TT	CC
62	TMPRSS6	rs855791	Risk of iron deficiency (anemia)	GG	AA
63	TNF	rs1800629	Mood-related disorders & brain 'inflammation'	GG	AA
64	TPH2	rs4570625	Serotonin synthesis ('happy' chemical)	AA	GG
65	UCP1	rs1800592	Affects all androgens	AA	GG
66	VDR-Bsml	rs1544410	Risk of vitamin D3 & calcium deficiencies	GG	AA
67	VDR-Fok	rs2228570	Risk of vitamin D3 & calcium deficiencies	CC	TT
68	VDR-Taq1	rs731236	Risk of vitamin D3 & calcium deficiencies	AA	GG
69	VEGF	rs2010963	Angiogenesis & (recurrent) pregnancy loss	CC	GG