Date Created: March 27, 2023

My Healthy Genes Report

Sample

My Healthy Genes is the Health Care practitioners version of the genetic report. In it we will be giving more general information that is relevant to understanding your patients health risks. In addition, each gene will have bloodwork recommendations (Click on the SNiP to reveal) so that you can go a bit deeper into really verifying the expression of a genetic variant. The MyHappyGenes bloodwork panel from Professional Co-Op Services will cover a large percentage of the genes but on occasion you may want to get some specialized testing done to verify the expression of a rare gene. CLICK HERE to LEARN MORE

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Autoimmune Imbalances

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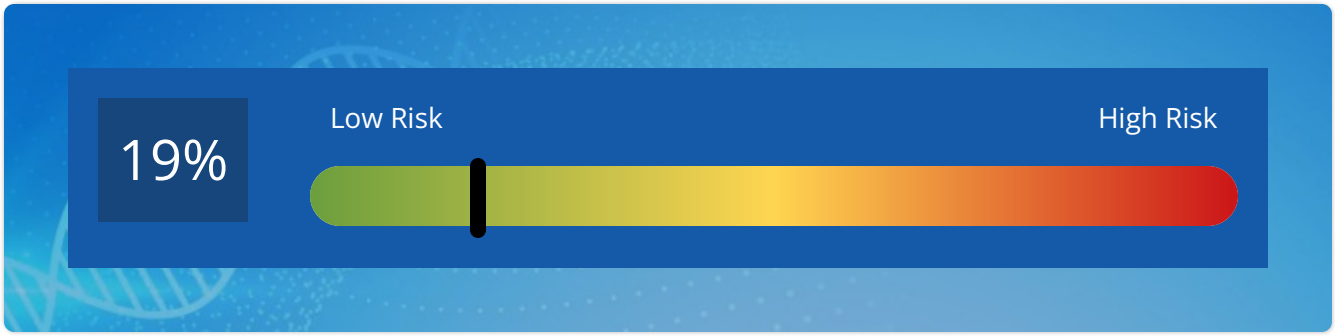
A genetic tendency toward autoimmune imbalances does not necessarily mean you will

acquire one. This is just a risk assessment. Making sure your practitioner addresses these risks can prevent them from ever manifesting. Autoimmune disorders include Rheumatoid arthritis, Diabetes Type I, Multiple Sclerosis, Hashimotos, Graves Disease, Celiac Disease, and more.

Genes involved in the risk of autoimmune disorders include:

VDR, HLA-DRA, HLA-DQA1, HLA-DQB1, HLA-DQB2, HLA-DQA2, IFNg, IL12A-AS1, RGS1, NRG1, SLC22A4, CYP2R1, ESR1, NAT1, MX1, LDLR, MTHFR, NAT, PNMT, PON2, SLC22A5, SLC23A1, TNF, HLA-DRB1, PTPN22, SLC26A4

Blood Cell Abnormalities



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Certain genetic variants may lead to anemia, hemochromatosis, abnormal levels of blood cells, blood cell fragility, or abnormal shaped blood cells.

Genes involved in the risk of blood cell abnormalities include:

ADA, CAT, DHFR, HFE, MTHFR, MTHFD, MTR, MTRR, TCN1, TCN2, TF, F5, GP6

Blood Sugar Imbalances

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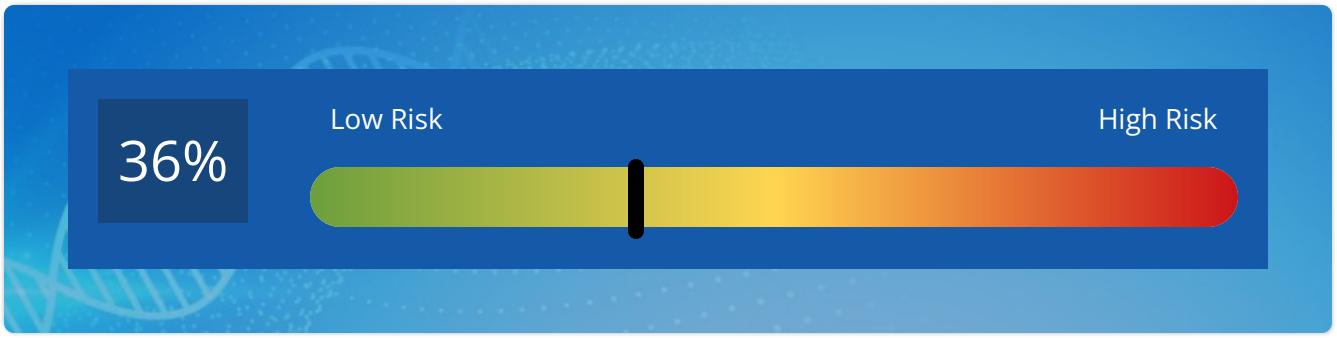
Genetic variants in the Krebs cycle and energy producing centers of the body may lead to blood sugar imbalances. Blood sugar imbalances may include a risk of diabetes, insulin resistance, obesity and hypoglycemia. This ultimately may lead to cardiovascular imbalances as well.

Genes associated with increased risk of blood sugar imbalances include:

ACAT1, GC, PER3, GCKR, ABCG8, ACAT2, ACE, ACE2, ADH1B, BCAT, CAT, CLOCK, DBH, DRD2, FADS1, GAD2, GC, GPx1, GSK3B, IRS1, MT2A, NAT2, NDUFAB1, NOS3, TMEM, RXRA, TCF7L2

Bone Density Imbalances



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Certain genetic variants may lead to an increased risk of bone density imbalances such as Osteoporosis, Osteopenia, Etc.

Genetic variants involved in an increased risk of bone density issues include:

GC, VDR, CAT, FADS1, CHRM2, COLIA1

Cardiovascular System Imbalances

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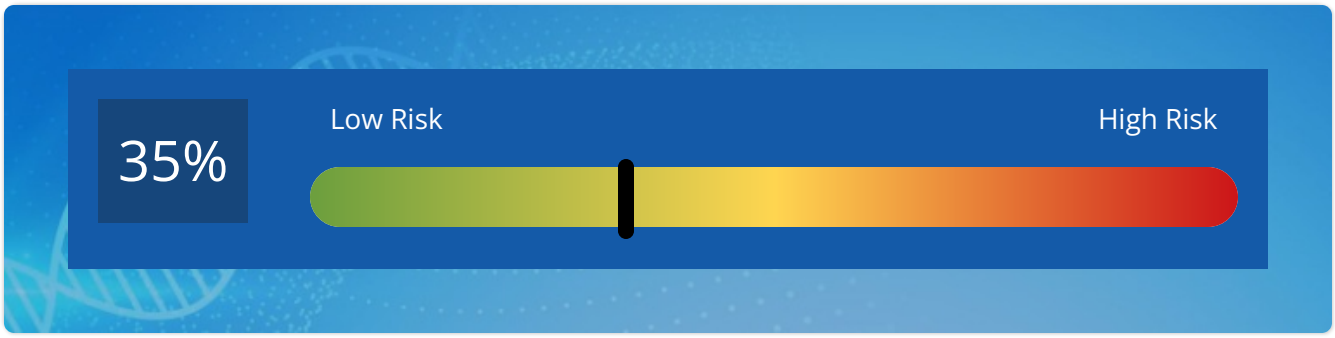
While you may have inherited genes associated with cardiovascular imbalances it doesn't necessarily mean you will express them. Symptoms may range from high blood pressure, to shortness of breath, high cholesterol, stroke risks, blood clotting disorders, myocardial infarct risks, etc. These symptoms may be balanced by modifying diet and lifestyle factors. In addition, your upbringing, lifestyle and therapeutic interventions may have helped you cope with these issues or they may have aggravated the way you cope with them. Our advanced algorithm is designed to help balance your cardiovascular risks by suggesting targeted nutrients.

Genetic variants involved in an increased risk of cardiovascular imbalances include:

ACAT1, ACAT2, APOA5, NOS1, NOS3, HDC, APOE, FADS1, ACE2, ACE, BCAT1, FGF5, BHMT, CACNA1C, PON1, MTRR, MTR, SOD3, ATP2B1, CAT, CNR1, CYP2R1, DAO, F5, FXR, GCH1, IRS1, LDLR, MTHFR, MUT, NDUFS3, NOS1, NOS2, PDE9A, PEMT, PNMT, PON2, SLC22A5, SOD1, TMEM, XDH,CYP11B2, HDC,PSEN1

Cognitive Decline



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Cognitive Decline is the worsening of or more frequent confusion or memory loss. It is a form of cognitive impairment and one of the earliest noticeable symptoms of Alzheimer's disease and related dementias. Cognition is a combination of processes in the brain that includes the ability to learn, remember, and make judgments. Cognitive decline can range from mild cognitive impairment to dementia, a form of decline in abilities severe enough to interfere with daily life.

Genes involved in an increased risk of cognitive decline with age include:

CHAT, BCHE, APOE, CYP19A1, BDNF, ACE1, ACE2

COVID Infection or SARS risk

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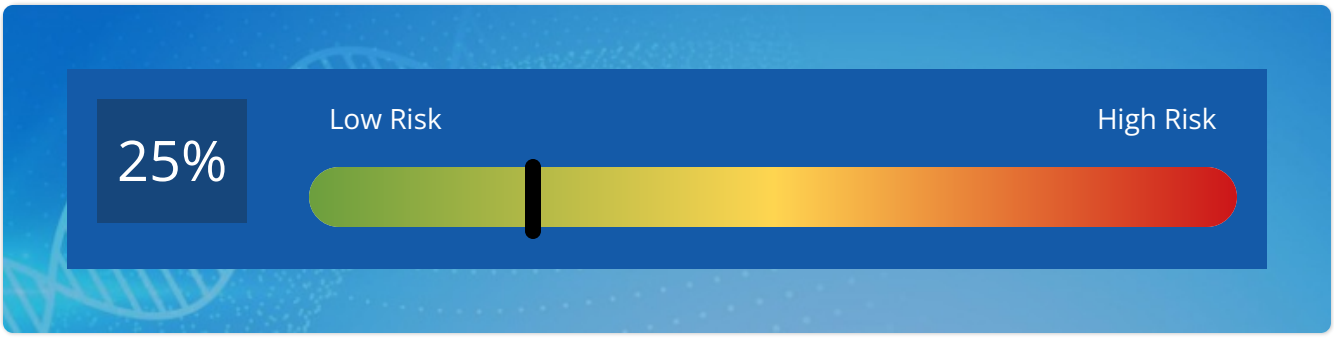
Certain genetic variants can increase your risk of COVID infections or Severe Acute Respiratory Syndrome (SARS)

Genetic variants that may increase the risk of COVID infection and SARS include:

ACE2, CD209, GC, IFNg, NOS2, VDR, XDH, CCL2, IL2, IL6, IFNAR1/2, OAS, TYK2

Detox 1: Phase I Liver Detoxification



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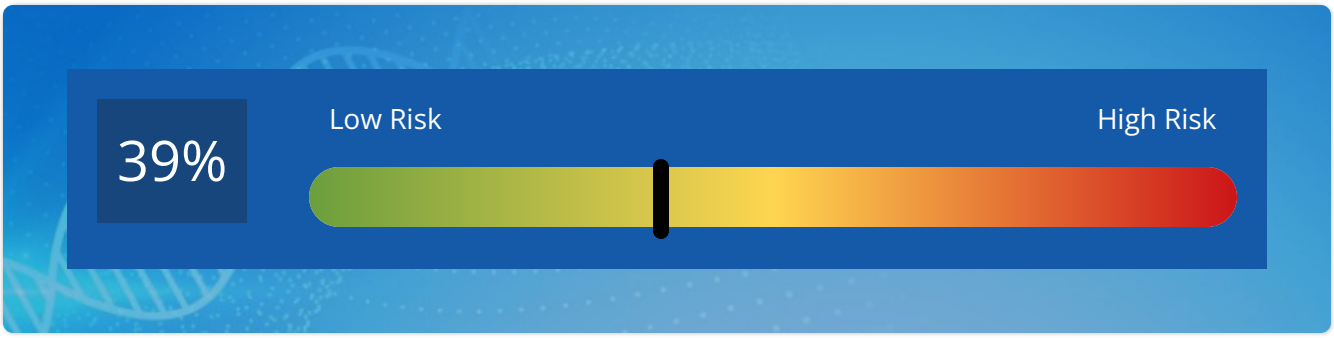
Phase I Liver detoxification converts fat soluble toxins to water soluble toxins. Phase 1 detoxification helps in eliminating various harmful substances from the body, including drugs, pesticides, hormones and other harmful toxins. This first step can directly detoxify some of the toxins. However, most are converted to intermediary forms (which can be more toxic) and sent to phase 2 for detoxification.

Phase 2 detox needs to keep up with phase 1 detox to conjugate the toxins coming out of phase 1, otherwise inflammation can result. Often phase 1 detoxification is efficient, yet phase 2 detoxification pathways are slow. In this case, it is helpful to slow down phase 1 detox with foods such as grapefruit juice and curcumin for turmeric root.

Detox 2: Phase II Liver Detoxification



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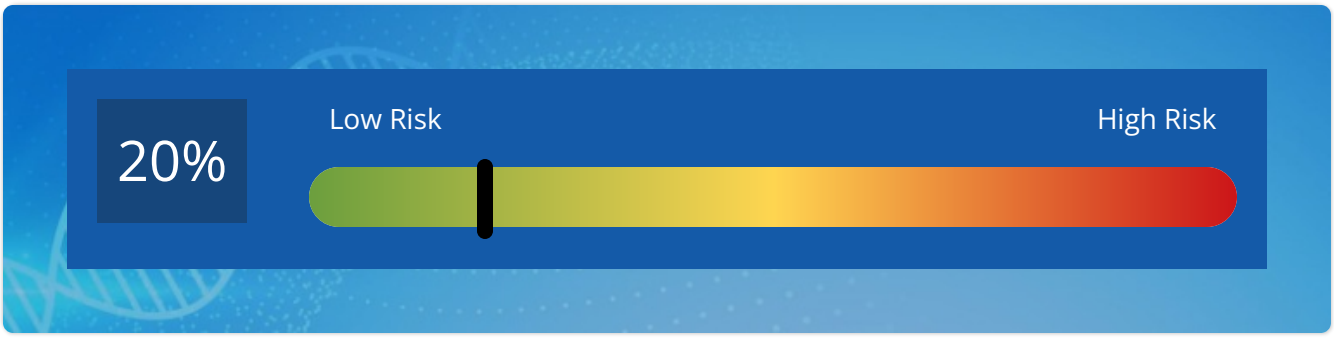
Phase II liver detoxification is known as the conjugation pathway, whereby the liver attaches another molecule to the “intermediate toxin” to render is less harmful. There are 6 types of conjugation that takes place in this phase: sulfation, glucuronidation, glutathione conjugation, methylation, acetylation, and glycination.

Genes involved with Phase II detox include:

SULT, UGT, NAT2, GSS, GSTP1

Digestive System Imbalances



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Genetic variants in the digestive system increase the risk of digestive issues. This may include pancreas, liver, gallbladder, intestinal, and stomach imbalances. Imbalances may include IBS, fat intolerance, GERD, gallstones, etc.

Genes involved in an increased risk of imbalances in the digestive system include:

SULT, ACAT2, PEMT, CCR3, ABCG8,ABCG9, CNR1, FADS1, FXR, IL12A-AS1, MUT, NAT1, NOS1, RGS1, SLC6A4, SLC22A4, SLC22A5, TNF, TPH1, PNPO

Endocrine System Imbalances

This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Genetic variants in the endocrine system have been shown to cause hormonal imbalances.

Genetic variants involved in an increased risk of endocrine system imbalances include:

DIO2, ESR1, ESR2, PDE11A, PNMT, SUOX, TH, UGT, COMT, VDR, ABCG2, SULT, CYP1B1, SLC19A1

Female Hormone Imbalances

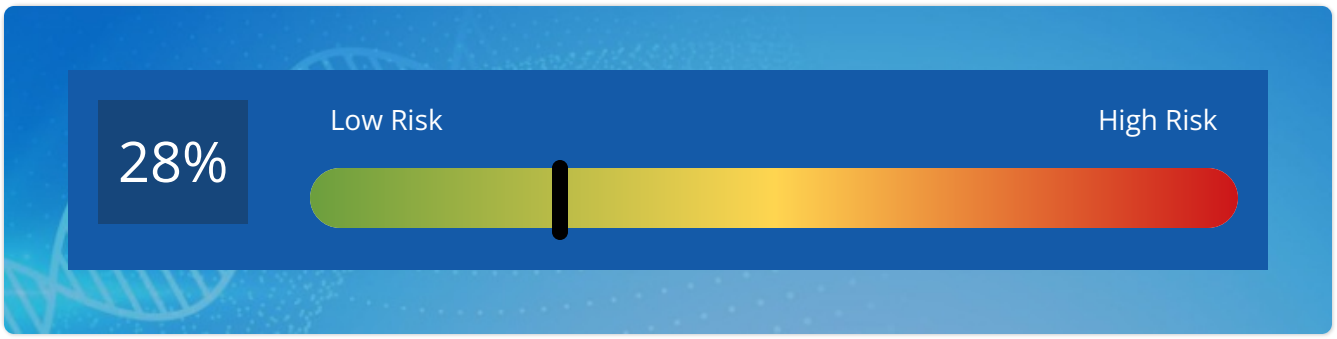
This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Imbalances in female hormones may lead to estrogen dominance, pms, polycystic ovary syndrome, and potential cancers. In addition, estrogen dominance can lead to issues with weight and thyroid function and more. If you are high on this scale, it would be advisable to avoid contraceptives and estrogen replacement.

Genes involved with increased risk of female hormone imbalances include:

ESR1, ESR2, COMT, SULT, CYP1B1, UGT

Free Radical Pathology



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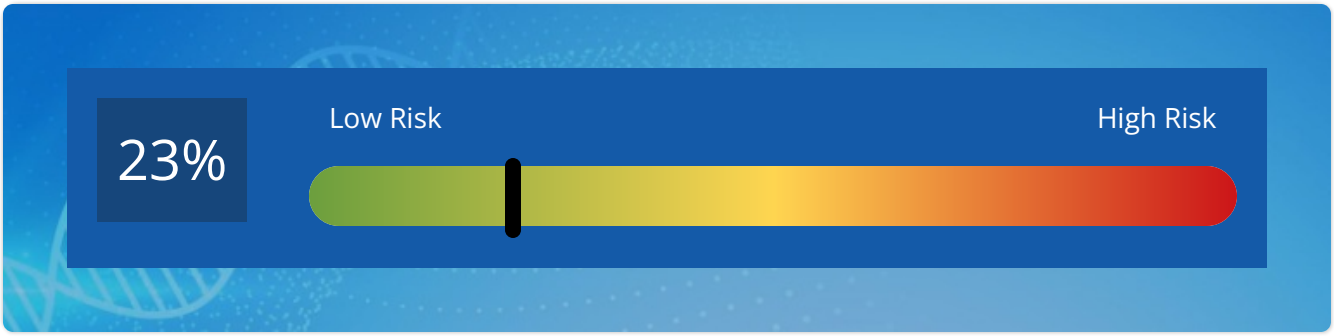
Genetic variants may be involved in increasing the risk of free radical pathology.

Genetic variants that increase the risk of free radical pathologies include:

CAT, VDR, CYP1B1, CYP2R1, ESR1, ESR2, FADS1, GC, GPx1, GSK3B, HDC, HTRA1, IFNg, IL12A-AS1, MT2A, MTHFD, MTHFR, MTRR, NAT1, NAT2, NDUFS3, NPAS2, PALB2, PER2, PON2, SLC6A4, SLC19A1, SLC23A1, SOD1, SOD2, SULT, UGT, GSS, RXRA, GSPT1

Hearing Loss



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Genetic variants may lead to an increased risk of hearing loss, including sensorineuronal hearing loss and otosclerosis. Tinnitus and Meniere's disease are also included.

Genetic variants involved in a risk of imbalances in hearing include:

BHMT, CFH, CYP1B1, DCDC2, GRM8, HFE, MT2A, MTHFR, MTRR, NAT1, NDUFS3, NDUFS8, NOS2, PON2, SLC23A1, SOD1, SOD2, SULT,HTRA, VDR, SLC26A4, IL1A

Immune System Imbalances

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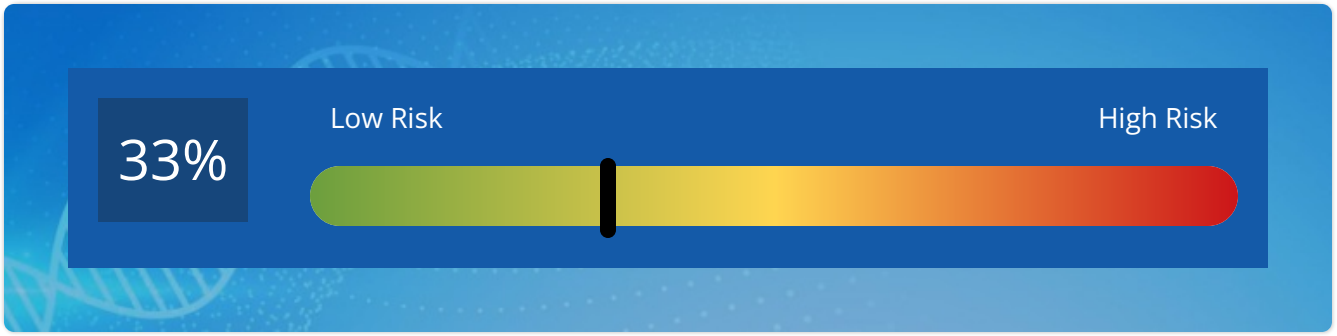
Genetic variants in the immune system may lead to risk of chronic infections, frequent infections, and more.

Genetic variants associated with an increased risk of immune system imbalances include:

VDR, CD209, IFNg, MTHFD, NOS2, NRG1, CYP24A1, PTPN22, SLC26A4, PON1, ACE2, HLA

Integumentary System (Skin)



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Genetic variants may affect the risk of developing skin disorders. Disorders may include eczema, psoriasis, vitiligo, and more.

Genetic variants associated with increased risk of skin imbalances include:

GPx1, HNMT, IFNg, IL12A-AS1, PNMT, SUOX, VDR, SOD

Joint issues and Arthritis

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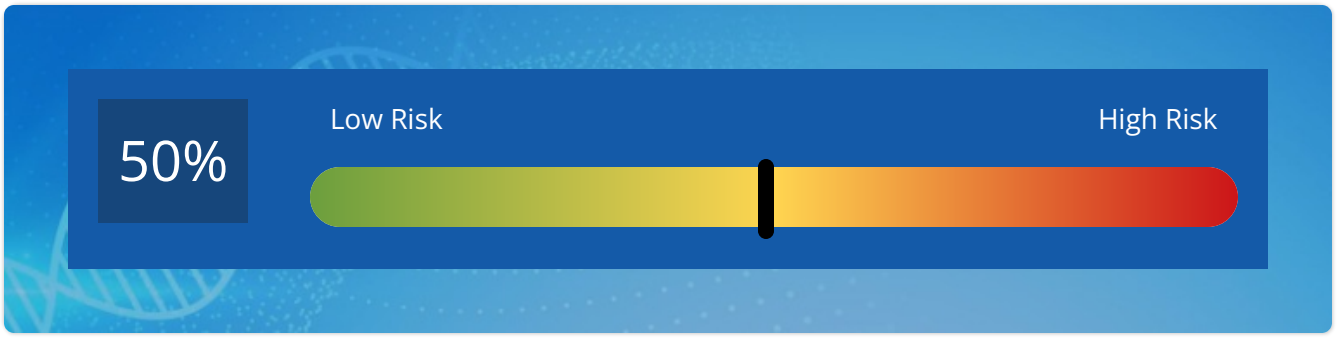
Many genes and their environmental interactions are at the root of arthritic imbalances. The majority of common rheumatic conditions, such as osteoarthritis (OA) and rheumatoid arthritis (RA) are complex and multi-factorial with multiple genes affecting these conditions.

Genes involved in the increased risk of arthritis include:

HLA-B27, COL5A1, GDF5, IL1A, VDR

Male Hormone Imbalances



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Male hormone imbalances can lead to prostate issues, male pattern baldness, low libido or stamina in men.

Genes associated with male hormone imbalances include:

ESR, SRD5A2, CASC8, HNF1B

Mast Cell Activation Syndrome

This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Some patients find they develop serious allergic reactions to foods, medications and cleaning chemicals that they used to be able to tolerate with no problem.This can be a sign of mast cell activation syndrome, a newly recognized condition that is one of several mast cell activation diseases often abbreviated “MCAD.”

Mast cells are alarm cells that start the inflammatory cascade. They can be triggered by infection, allergens, environmental factors like pollution, or even emotional stress. Once that happens, mast cells set into motion a series of inflammatory reactions, including the activation of immune cells and the release of tumor necrosis factor-alpha (TNF-a), a pro inflammatory protein or cytokine.”

Mast cells are a normal part of our immune system. They live in the bone marrow, flow through our blood stream and are located in every organ and connective tissue of the body. When mast cells detect stress, injury, toxins or infection, they release specific chemicals (mediators) which trigger an immune response.

When mast cells perform properly, they help us. When mast cells are agitated or over-reactive, the immune system goes haywire and starts to attack the body, triggering auto-inflammatory processes.

There are two major forms of mast cell activation diseases

Mastocytosis — the abnormal accumulation of mast cells in one or more organ systems (cardiovascular, central nervous, digestive, endocrine, genitourinary, lymphatic, muscular, peripheral nervous, respiratory, dermatologic) which is diagnosed by a bone marrow biopsy or a genetic test.

Mast cell activation syndromes (MCAS) — the inappropriate release of mast cell mediators including: histamine, interleukins, prostaglandins, cytokines, chemokines, and heparin (There are more than 200 chemical mediators associated with mast cells.)

Symptoms of MCAS

Some patients report years of having various allergic-type reactions to assorted substances. Then, a particular triggering event leads to a cascade of increasing symptoms. For example, somebody might have sensitivities to a few foods over several years. Then suddenly, anything they eat causes a bad reaction.

Potential triggers of MCAS:

- Infection: bacteria, fungi, parasite, virus
- Insect bites: spiders, ticks, fleas, mosquitos, bed bugs

- Foods: dairy, fermented or aged food, wheat, shell fish, sugar, preservatives
- Drugs: alcohol, hormones, opioids, medications and/or fillers in medications
- Dyes: food coloring, radiographic dyes, pigments in makeup
- Environmental: sun exposure, temperature and/or pressure changes, pollen, dust, mold, animal dander, heavy metals, pesticides
- Noxious odors: perfumes, smoke, exhaust fumes, smog, cleaning supplies

MCAS can affect many body systems:

- Abdominal: pain, diarrhea and/or constipation, gastritis, reflux, nausea, irritable bowel
- Cardiovascular: high and/or low blood pressure, POTS, rapid heart rate, loss of consciousness, palpitations
- Skin: hives, rashes, flushing, swelling, edema, hive-like welt reaction when skin is scratched (dermatographic uticaria) also called skin writing
- Eyes/Ears: dry, itching or burning eyes, conjunctivitis, watery eyes, visual disturbance, ringing in the ears, hypersensitivity to light or sound
- Genital/Urinary: endometriosis, ovarian cysts, painful bladder
- Growth and development: delayed puberty, poor healing, cysts, fibrosis, endometriosis, connective tissue disorders, osteoporosis
- Liver: enlarged spleen, elevated cholesterol, liver enzymes or bilirubin.
- Lungs: cough, asthma-like symptoms, shortness of breath, wheezing, anaphylaxis
- Nodes: enlarged lymph nodes
- Nervous system: headache, pain, poor concentration/memory, anxiety, insomnia, dizziness, migratory pain and/or numbness, wide range of psychiatric disorders
- Oral/Nasal: sores, burning pain, itching, sneezing, runny nose, difficulty swallowing

Migraine Headache Susceptibility

This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Migraine is a common neurological disorder characterized by recurrent headaches. Typically, the headache affects one side of the head, is pulsating, may be moderate to severe in intensity, and could last from a few hours to three days. Other symptoms may include nausea, vomiting, and sensitivity to light, sound, or smell. Up to one-third of people affected have aura, a visual disturbance that signals that the headache will soon occur. Occasionally, aura can occur with little or no headache following, but not everyone has this symptom.

Migraine is believed to be due to a mixture of environmental and genetic factors. About two-thirds of cases run in families. Changing hormone levels may also play a role, as migraine affects slightly more boys than girls before puberty and two to three times more women than men. The risk of migraine usually decreases during pregnancy and after menopause

Genetic variants associated with an increased risk of Migraine headaches include:

MAO-A, MAO-B, TPH, NOTCH2, NNMT

Musculoskeletal System Imbalances

This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Genetic variants in the musculoskeletal system may lead to fatigue, exercise imbalances, joint dysfunction, musculoskeletal injuries and degeneration of joints. Associated imbalances may include osteoarthritis, fibromyalgia, disc disease, etc.

Genetic variants associated with an increased risk of musculoskeletal system imbalances include:

NDUFS8, NDUFS3, NDUFS7, DAO, ADRB2, DIO2, GCH1, HTR2A, MMAB, MTFHR, NAT1, SOD1, TH, VDR, DDC, MUT, GDF5, COL5A1, IGF2

Neurological Imbalances

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You may have inherited some genes associated with a risk of imbalances in the nervous system. Possible increase risk of imbalances may include ALS, Parkinson's', Alzheimer's, etc.

Genetic variants associated with increased risk of neurological imbalances include:
NDUFS8, NDUFS3, NDUFS7, MMAB, DCDC2, ABCG2, DRD2, F5, FGF5, FOLH1, FADS1, GC, HDC, HLA-DRA, HNMT, LDLR, MTHFD, MTHFR, MTRR, NAT1, NOS1, ODZ4/TENM4, PNMT, SOD2, PON2, SLC6A15, TCN2, TH, APOE, CHAT, FKBP5, HTR3C

Reproductive System Imbalances

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Genetic variants in the reproductive system may lead to hormone imbalances. Imbalances may lead to difficulties with female cycles, risk of fibroids, libido imbalances, prostate difficulties in men, infertility, etc.

Genetic variants involved in reproductive system imbalances include:

ESR1, ESR2, COMT, UGT, CYP1B1, SULT

Respiratory/Pulmonary System Imbalances

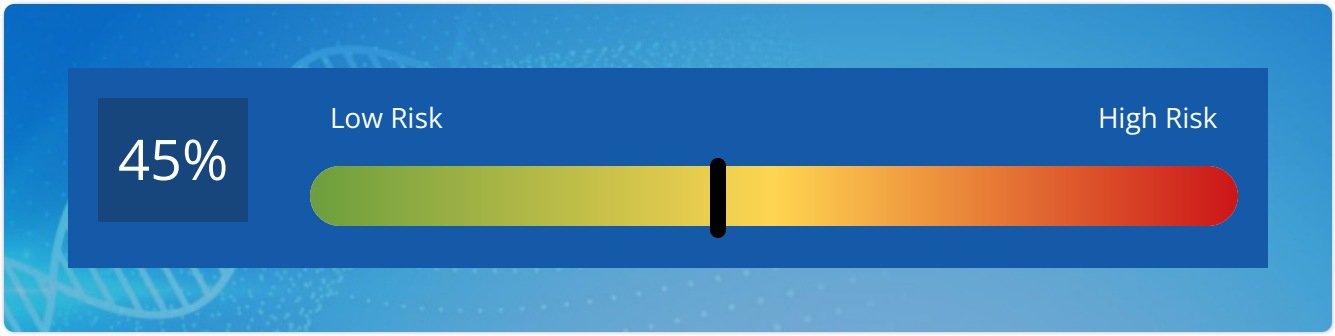
This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Genetic variants in the respiratory system may lead to breathing difficulties, COPD, coughing, and asthma.

Genetic variants involved in an increased risk of lung imbalances include:

SULT, HNMT, DAO, MAO-B, SOD3, XDH, ADA, HDC, HLA-DRA, HLA-DQA1, HLA-DQB1, NOS1, TNF

Seasonal Allergies



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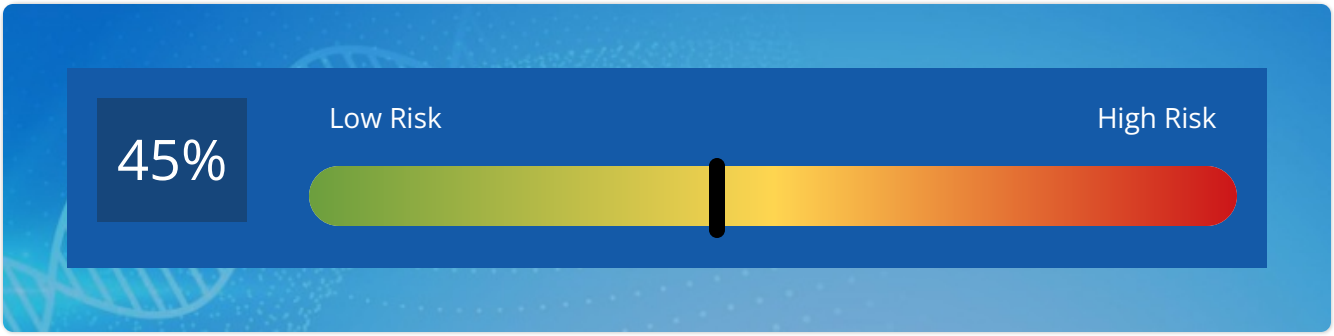
Certain genetic variants associated with seasonal allergies may increase the likelihood that you will be affected by pollens, dust and animal dander.

Genetic variants associated with an increased risk of seasonal allergies include:

HLA-DRB1, FLG, IL2, IL33, BDNF, DAO, HNMT, MAO-B, TNF

Thyroid Imbalances



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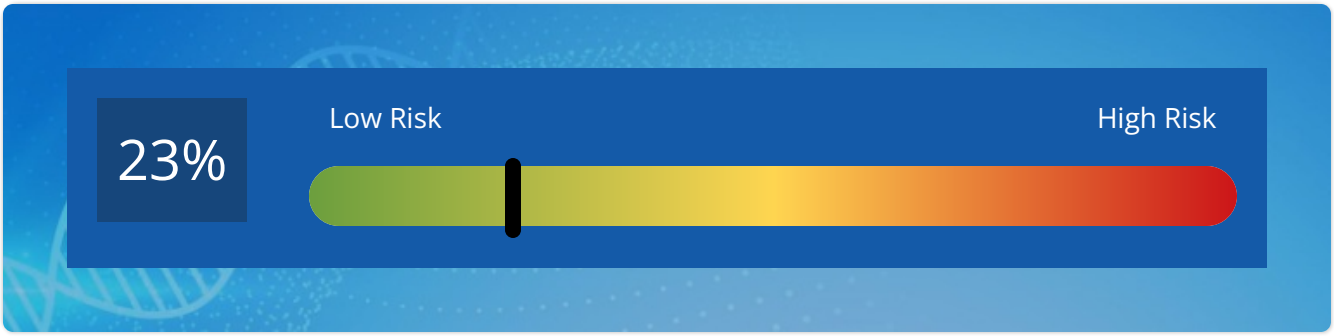
Certain genetic imbalances can lead to an increased risk of imbalances in the Thyroid pathway. In addition, there may be some environmental influences that may also contribute to these risks. Some of the risk factors may not be at first obvious, such as genetic variants that increase levels of estrogen or cortisol in the body may lead to functional thyroid imbalances, so we include those here too.

Genes that may increase the risk of thyroid imbalances include:

DIO, ESR, COMT, SULT, IDO

Urinary System Imbalances



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Genetic variants in the urinary system may lead to an increased risk of urinary and kidney imbalances.

Genetic variants associated with an increased risk of urinary or kidney imbalances include:

CFH, GCKR, HLA-DQA1, MUT, VDR, XDH

Vision Imbalances

This slider indicates your risk of developing this issue based on your DNA upload. If the arrow is in the green area, your risk is low, if it is in the yellow area, the risk is medium, if it's in the red area, your risk is high.

Vision imbalances can include macular degeneration, glaucoma, and cataracts. etc.

Genes involved in increased risk of vision imbalances include:

HTRA1, CCR3, CYP1B1, OAT, CFH, ARMD

Weight Imbalances

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Genetic variants in this category may include low metabolism and increased risk of obesity.

Genetic variants associated with an increased weight and slower metabolism include:

ADH1B, ANKK1, CNR1, DRD2, ESR2, IL12A-AS1, KLF9, NDUFAB1, NOS3, TMEM, VDR

My Healthy Genes Report

Report Summary Intro

HOW TO READ THE REPORT:

The following information is associated with the genetic variants that show up on your report. This means that the enzymes encoded by these genes that you inherited (one from your mother and one from your father) are a variation from normal and as such will not function at a normal rate. If only one of the genes is a variant or risk allele (that means you are heterozygous) (+/-) the function of the corresponding enzyme is reduced by about 30% if both are variants or risk alleles (this means you are homozygous) (+/+), it can be reduced by as much as 70%.

Green=Normal (100% Function)

Yellow=Heterozygous (30% Reduced Function)

Red=Homozygous (70% Reduced Function)

This decrease in enzyme function can affect how your body functions or how you may absorb nutrients and may lead to health imbalances.

FOR MORE INFORMATION ABOUT YOU:

Click on the **SNiP** (First column) to see more information about that particular gene and how it affects the physiology.

Click on the **rsID** (Second Column) number to go to SNPedia and see what studies have been done on that gene.

Click on the **trait** (Third Column) to go to a study on the association of that gene with a particular health risk.

Please note that certain sources of genetic testing such as 23andme or AncestryDNA do not always test for all of the genes we are interested in evaluating. If you notice a "no result" in the allele column, this means the gene was not tested in their original DNA test panel. For more complete information get your genes tested through MyHappyGenes™ DNA testing service.

Report Summary

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
AANAT	rs28936679	Sleep Dysfunction	A	GG	-/-
ABCG2	rs2231142	Uric Acid Imbalance	T	CC	-/-
ABCG8	rs11887534	Digestive System Dysfunction	C	GG	-/-
ABCG8	rs4299376	Digestive System Dysfunction	G	TG	+/-
ACAT2	rs9347340	Energy Production Pathway	A	CC	-/-
ACAT2	rs3465	Energy Production Pathway, High Blood Fats	G	AG	+/-
ACAT2	rs3798211	High Blood Fats	T	TG	+/-
ACE	rs4343	Depression, Dementia	G	GG	+/+
ACE	rs4291	Depression	T	TT	+/+
ACE2	rs2106809	Immune System Imbalance, Blood Pressure Imbalance	G	AA	-/-
ADA	rs73598374	Sleep Disorder	G	GG	+/+
ADCYAP 1R1	rs2267735	Anxiety, PTSD	C	GC	+/-
ADH1A	rs975833	Addictions, Energy Production Pathway	G	GG	+/+
ADH1B	rs1229984	Addictions, Energy Production Pathway	C	GG	-/-
ADH1C	rs1693482	Addictions, Energy Production Pathway	T	TC	+/-
ADH4	rs1800759	Agreeableness, Extroversion, Energy Production Pathway	T	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
ADH4	rs1042363	Addictions, Energy Production Pathway	C	TT	-/-
ADH4	rs1126671	Addictions, Energy Production Pathway	T	GG	-/-
ADH7	rs284786	Addictions, Agreeableness, Extroversion, Caffeine Sensitivity, Energy Production Pathway	T	AA	-/-
ADORA2A	rs5751876	PTSD, Anxiety, Panic, Caffeine Sensitivity	T	CC	-/-
ADRB2	rs1042714	Depression, Anxiety, ASD	G	GC	+/-
ALDH2	rs4648328	Depression, Addictions, Energy Production Pathway	T	CC	-/-
ALDH2	rs4646778	Addictions, Energy Production Pathway	A	CC	-/-
ALDH2	rs16941667	Addictions, Energy Production Pathway	T	CC	-/-
ALDH2	rs671	Alcohol Intolerance, Energy Production Pathway	A	GG	-/-
ALDH2	rs2238151	Addictions, Energy Production Pathway	T	TT	+/+
ALDH2	rs441	Addictions, Energy Production Pathway	C	TT	-/-
ALDH2	rs968529	Addictions, Energy Production Pathway	C	CC	+/+
ANK3	rs10994359	Mood Swings, Anxiety, Attention Imbalance, Depression	C	TT	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
ANKK1	rs1800497	Social Expression Dysfunction, Addiction	A	TC	-/-
APOA5	rs662799	Heart Disease	G	AA	-/-
APOE	rs429358	Cognitive Decline, Cardiovascular System Dysfunction, Lipid Metabolism Dysfunction	C	TT	-/-
APOE	rs7412	Cognitive Decline, Cardiovascular System Dysfunction, Lipid Metabolism Dysfunction	T	CC	-/-
ARG1	rs2781659	Lung Imbalance	A	GG	-/-
ATP2B1	rs2681472	Salt Sensitivity	T	TT	+/+
AVPR1A	rs11174811	Social Behavior Development	A	CC	-/-
AVPR1A	rs7294536	Social Behavior Development	C	TT	-/-
AVPR1A	rs10877969	Social Behavior Development	C	TT	-/-
BCAT1	rs7961152	Salt Sensitivity and Blood Pressure Imbalance	A	AC	+/-
BCHE	rs1355534	Cognitive Decline	A	GG	-/-
BCHE	rs1799807	Nightshade sensitivity, Anesthetic sensitivity	C	AG	-/-
BCMO1	rs4889294	Depression, Brain Chemistry Pathway	C	TT	-/-
BCMO1	rs7501331	Depression, Brain Chemistry Pathway	T	TC	+/-
BCMO1	rs12934922	Depression, Brain Chemistry Pathway	T	AA	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
BCR	rs3761418	Depression, Mood Swings	A	AA	+/+
BDNF	rs6265	Depression, Mood Swings, Attention Issues, Addiction	T	GG	-/-
BHMT	rs3733890	Attention Imbalance	A	AG	+/-
BHMT	rs567754	Attention Imbalance	T	CC	-/-
BHMT	rs651852	Attention Imbalance	T	GG	-/-
BRCA1	rs80357906	Breast Pathology	G	DD	-/-
CACNA1C	rs1006737	Mood Swings, Depression, Brain Function Imbalance	A	GG	-/-
CASC8	rs1447295	Male Hormonal Imbalances	A	CC	-/-
CAT	rs480575	Inflammatory Pathway	C	AG	-/-
CAT	rs11032703	Inflammatory Pathway	T	CC	-/-
CAT	rs2300181	Inflammatory Pathway	T	AG	-/-
CAT	rs1049982	Inflammation Pathway	T	TC	+/-
CBS	rs121964972	Homocysteine Metabolism Dysfunction	A	GG	-/-
CBS	rs5742905	Homocysteine Metabolism Dysfunction	G	TT	-/-
CCKBR	rs2941026	Anxiety, Panic	A	GG	-/-
CCR3	rs6441961	Gluten Intolerance	A	TC	-/-
CCR3	rs3091250	Vision Abnormalities	T	TG	+/-
CD209	rs4804803	Immune System Imbalance	G	AG	+/-
CFH	rs1061170	Vision Abnormalities, ARMD	C	TC	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
CFH	rs800292	Vision Abnormalities, ARMD	G	CC	-/-
CFH	rs3753394	Vision Abnormalities, ARMD	C	TC	+/-
CFTR	rs213950	Birth Defects	A	AG	+/-
CHAT	rs8178990	Cognitive Decline, Addiction	T	TC	+/-
CHAT	rs1880676	Depression, Cognitive Decline	A	AG	+/-
CHAT	rs733722	Cognitive Decline	T	CC	-/-
CHAT	rs2177369	Cognitive Decline	G	CC	-/-
CHRM2	rs16969968	Addictions	A	AG	+/-
CHRM2	rs1824024	Depression, Addictions	G	TG	+/-
CHRM2	rs324650	Depression, Addictions	T	AT	+/-
CHRM2	rs2061174	Depression, Addictions	A	TC	-/-
CHRNB4	rs17487223	Addiction	T	TC	+/-
CLOCK	rs534654	Mood Swings	T	CC	-/-
CLOCK	rs1801260	Mood Swings, Attention Imbalance	A	TT	-/-
CNR1	rs6454674	Addictions	G	TG	+/-
CNR1	rs806368	Addictions, Attention Imbalance	C	TT	-/-
CNTNAP2	rs7794745	Autism, Attention Imbalance	T	AA	-/-
COL5A1	rs12722	Joint injuries, Carpal Tunnel, EDS	T	TC	+/-
COMT	rs769224	Brain Function Imbalance, ASD, Brain Chemistry Pathway	A	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
COMT	rs2239393	Attention Issues, Brain Chemistry Pathway	G	AG	+/-
COMT	rs4646316	Anxiety, Attention Imbalance, Brain Chemistry Pathway	T	CC	-/-
COMT	rs174699	Anxiety, Attention Imbalances, Novelty Seeking, Brain Chemistry Pathway	T	TT	+/+
COMT	rs9332377	Anxiety, Attention Imbalances, Irritability, Brain Chemistry Pathway	T	TC	+/-
COMT	rs165599	Anxiety, Attention Imbalances, Depression, Mood Swings, Brain Chemistry Pathway	G	AG	+/-
COMT	rs165774	Anxiety, Attention Imbalances, Brain Function Imbalance, Brain Chemistry Pathway	G	AG	+/-
COMT	rs4633	Anxiety, Attention Imbalance, Brain Function Imbalance, Brain Chemistry Pathway	T	TC	+/-
COMT	rs5993883	Mood Swings, Depression, Brain Chemistry Pathway	T	TG	+/-
COMT	rs4646312	Depression, Attention Imbalance, Brain Chemistry Pathway	C	TC	+/-
COMT	rs4680	Anxiety, Attention Imbalance, Brain Function Imbalance, Brain Chemistry Pathway	G	AG	+/-
COMT	rs737866	Addictions, Brain Chemistry Pathway	C	AG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
COMT	rs2020917	Anxiety, Attention Imbalances, Brain Function Imbalance, Depression, Brain Chemistry Pathway	T	TC	+/-
COMT	rs737865	Anxiety, Attention Imbalance, Brain Function Imbalance, Depression, Brain Chemistry Pathway	G	TC	-/-
COMT V158M	rs6269	Attention Imbalance, Behaviors Related to Food Intake, Brain Chemistry Pathway	A	AG	+/-
CoQ6	rs189840848	Energy Production Pathway	T	CC	-/-
CRHR1	rs110402	Anxiety, Addiction	C	TC	+/-
CRY1	rs184039278	Sleep Disorder	G	TT	-/-
CSNK1D	rs104894561	Sleep Disorder	C	AA	-/-
CSNK1D	rs397514693	Sleep Disorder	C	AA	-/-
CSNK1E	rs1534891	Addictions, Mood Swings	T	CC	-/-
CTH	rs1021737	Homocysteine Metabolism Dysfunction	T	TG	+/-
CYP11B1	rs28934586	Hormone Imbalance	T	GG	-/-
CYP11B2	rs1799998	Cardiovascular Imbalance, Blood Pressure Imbalance	G	TT	-/-
CYP17A1	rs743572	Detoxification Pathway	C	GG	-/-
CYP19A1	rs700519	Hormone Imbalance	A	CC	-/-
CYP19A1	rs10046	Hormone Imbalance	A	TC	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
CYP19A1	rs12907866	Cognitive Decline, Hormone Imbalance, Free Radical Pathologies	A	AG	+/-
CYP1A1	rs4646422	Hormone Imbalance	A	GG	-/-
CYP1B1	rs1056836	Hormone Imbalance, Free Radical Pathologies, Detoxification Pathway	G	CC	-/-
CYP1B1	rs148542782	Vision Abnormalities	A	GG	-/-
CYP1B1	rs1800440	Vision Abnormalities	C	AG	-/-
CYP1B1	rs28936700	Vision Abnormalities	T	GG	-/-
CYP1B1	rs28936701	Vision Abnormalities	A	GG	-/-
CYP1B1	rs55989760	Vision Abnormalities	T	CC	-/-
CYP1B1	rs79204362	Vision Abnormalities	T	CC	-/-
CYP1B1	rs9282671	Vision Abnormalities	T	TT	+/+
CYP1B1	rs9341266	Hormone Imbalances, Free Radical Pathologies	A	CC	-/-
CYP24A1	rs6068816	Free Radical Pathologies	T	CC	-/-
CYP24A1	rs2209314	Hormone Imbalances, Free Radical Pathologies	C	TT	-/-
CYP24A1	rs2248359	Immune System Dysfunction	G	CC	-/-
CYP24A1	rs3787554	Free Radical Pathologies	A	GG	-/-
CYP24A1	rs6022990	Free Radical Pathologies	G	AA	-/-
CYP2D6	rs1065852	Slow detox of drugs	A	CC	-/-
CYP2R1	rs10741657	Depression	G	GG	+/+

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
DAO	rs3741775	Brain Function Imbalance, Histamine Pathway	T	TT	+/+
DAO	rs3918347	Anxiety, Histamine Pathway, Sleep Dysfunction	G	AG	+/-
DAO	rs2070586	Brain Function Imbalance, Histamine Pathway	A	GG	-/-
DBH	rs1611115	Attention Imbalance	T	CC	-/-
DBH	rs77905	Brain Function Imbalance	G	CC	-/-
DBH	rs2283123	Brain Function Imbalance	C	TT	-/-
DBH	rs4531	Brain Function Imbalance	T	TT	+/+
DBH	rs2519152	Brain Function Imbalance, Attention Imbalance	C	GG	-/-
DBH	rs2797853	Attention Imbalance	T	GG	-/-
DBH	rs2097628	Attention Imbalance	A	CC	-/-
DBH	rs2519155	Attention Imbalance	T	AA	-/-
DBH	rs2873804	Attention Imbalance	T	CC	-/-
DCDC2	rs793862	Behaviors Related to Learning , Attention Imbalance	A	AG	+/-
DCDC2	rs807701	Behaviors Related to Learning	G	TC	-/-
DCDC2	rs3212236	Behaviors Related to Learning	T	AA	-/-
DDC	rs921451	Attention Imbalance	T	TC	+/-
DDC	rs10499695	Attention Imbalance	C	TC	+/-
DDC	rs1451371	Addictions, Depression	T	TC	+/-
DDC	rs1470750	Depression	G	GC	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
DDC	rs3735273	Addictions	C	GG	-/-
DDC	rs998850	Depression	C	CG	+/-
DDC	rs732215	Addictions	C	TG	-/-
DHFR	rs1650697	Methylation Pathway	G	CC	-/-
DHFR	rs70991108	Methylation Pathway	D	ID	+/-
DHFR	rs1643659	Methylation Pathway	C	AG	-/-
DHFR	rs121913223	Methylation Pathway	A	TT	-/-
DIO2	rs12885300	Mood Swings	C	TC	+/-
DIO2	rs225014	Mood Swings, Depression	C	TC	+/-
DISC1	rs6675281	Brain Function Imbalance, Mood swings	T	CC	-/-
DISC1	rs821577	Brain Function Imbalance, Depression	G	GT	+/-
DISC1	rs1538979	Brain Function Imbalance, Mood swings	A	CC	-/-
DISC1	rs821633	Brain Function Imbalance, Mood swings	G	AA	-/-
DMGDH	rs121908331	Methylation Pathway	C	AA	-/-
DRD1	rs686	Addictions, Attention Imbalances, Brain Function Imbalance	T	AG	-/-
DRD1	rs5326	Addictions, Mood Swings, Brain Function Imbalance	T	GG	-/-
DRD1	rs4532	Addictions, Brain Function Imbalance	A	TC	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
DRD1	rs265981	Attention Imbalances, Brain Function Imbalance	C	AG	-/-
DRD2	rs4936270	Brain Function Imbalance	C	CC	+/+
DRD2	rs4245146	Anxiety	C	TT	-/-
DRD2	rs4648318	Addictions	C	AA	-/-
DRD2	rs1799978	Anxiety, Brain Function Imbalance, Addictions	C	AA	-/-
DRD2	rs1125394	Impulsivity	A	AA	+/+
DRD2	rs1079727	Addictions, Brain Function Imbalance	G	AA	-/-
DRD2	rs2440390	Addictions	C	CC	+/+
DRD2	rs4938019	Addictions	C	TT	-/-
DRD2	rs4648317	Addictions, Nicotine, Novelty Seeking	A	CC	-/-
DRD2	rs4274224	Addictions	G	GG	+/+
DRD2	rs17529477	Addictions	A	AA	+/+
DRD2	rs4648319	Brain Function Imbalance	G	CC	-/-
DRD2	rs4620755	Brain Function Imbalance	A	GG	-/-
DRD2	rs2242592	Impulsivity, Brain Function Imbalance	G	TC	-/-
DRD2	rs2234689	Addictions	C	GC	+/-
DRD2	rs6277	Addictions, PTSD, Brain Chemistry Imbalances	T	TC	+/-
DRD2	rs4581480	Addictions	C	TT	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
DRD2	rs11214606	Brain Function Imbalance	T	CC	-/-
DRD2	rs1079597	Anxiety, Brain Function Imbalance, Addictions	C	GG	-/-
DRD2	rs2283265	Attention imbalances, Brain Function Imbalance, Addictions	A	GG	-/-
DRD2	rs1076560	Addictions	A	CC	-/-
DRD2	rs1801028	Brain Function Imbalance	C	CC	+/+
DRD2	rs1800497	Attention Imbalances, Brain Function Imbalance, Addictions	A	TC	-/-
DRD2	rs7131056	PTSD	A	CC	-/-
DRD2	rs12364283	Addictions, PTSD	G	AA	-/-
DRD2	rs1076563	Addictions	A	CC	-/-
DRD2	rs2734838	Addictions	G	CC	-/-
DRD3	rs167771	Attention Imbalance	A	AG	+/-
DRD3	rs10934256	Depression	A	AC	+/-
DRD3	rs6280	Addictions, Depression	T	CC	-/-
DRD3	rs1486009	Addictions	A	AA	+/+
DRD3	rs324029	Addictions, Brain Function Imbalance	A	AA	+/+
DRD3	rs2630351	Addictions	A	GG	-/-
DRD3	rs2630349	Addictions	A	GG	-/-
DRD3	rs3773678	Addictions	C	TC	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
DRD4	rs916457	Attention Imbalance, Brain Function Imbalance	T	CC	-/-
DRD4	rs11246226	Brain Function Imbalance	A	AA	+/+
DRD4	rs1800443	Attention Imbalance, Novelty Seeking	G	TT	-/-
DRD4	rs3758653	Mood Swings, Brain Function Imbalance	C	TT	-/-
ESR1	rs2234693	Depression	C	TT	-/-
ESR1	rs9340799	Depression, Premenstrual Mood Changes	G	AA	-/-
ESR2	rs1256049	Depression, Hormone Imbalances	G	GG	+/+
F5 (Factor	rs6025	Blood clotting	T	GG	-/-
FAAH	rs324420	Addictions, Inflammation, pain, depression	A	AC	+/-
FADS1	rs174537	Lipid Metabolism Dysfunction	G	GG	+/+
FADS2	rs99780	Post Partum Depression	T	CC	-/-
FGF5	rs16998073	Salt Sensitivity and Blood Pressure Imbalances	T	AA	-/-
FH	rs863223966	Free Radical Pathologies	C	TT	-/-
FH	rs727503927	Free Radical Pathologies	T	AA	-/-
FKBP5	rs1360780	Depression, Bipolar, Addiction	T	TC	+/-
FKBP5	rs3800373	Addiction, PTSD	G	TG	+/-
FOLH1	rs202676	Brain Function Imbalances, Methylation Pathway	G	TT	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
FUT2	rs492602	Energy Metabolism	G	TT	-/-
FUT2	rs601338	Immunity	A	GG	-/-
FUT2	rs602662	Energy Metabolism	A	AG	+/-
FXR	rs56163822	Gallbladder Dysfunction	T	GG	-/-
G6PD (GP6)	rs137852330	Hematology Related Dysfunction	A	CC	-/-
G6PD (GP6)	rs1050829	Favism, Hemolytic Anemia, malarial Protection	C	AA	-/-
GABRA2	rs279871	Addictions	C	GG	-/-
GAD1	rs2241165	Anxiety, Depression, Addictions, Brain Chemistry Pathways	C	AA	-/-
GAD1	rs3828275	Anxiety, Brain Chemistry Pathway	T	AG	-/-
GAD1	rs12185692	Anxiety, Depression, Brain Chemistry Pathway	A	AC	+/-
GAD1	rs701492	PTSD, Brain Chemistry Pathway	C	TC	+/-
GAD1	rs769407	Addictions, Anxiety, Depression, Brain Chemistry Pathway	C	CG	+/-
GAD1	rs3791850	Addictions, Anxiety, Depression, Brain Chemistry Pathway	G	CC	-/-
GAD1	rs3791878	Addictions, Brain Function Imbalance, Brain Chemistry Pathway	C	GT	-/-
GAD1	rs3749034	Addictions, Anxiety, Brain Function Imbalance, Brain Chemistry Pathway	A	CC	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
GAD1	rs2058725	Addictions, Anxiety, Depression, Brain Chemistry Pathway	C	AA	-/-
GAD1	rs3791851	Anxiety, Depression, Brain Chemistry Pathway	C	AG	-/-
GAD2	rs2236418	Anxiety, Brain Chemistry Pathway	G	AA	-/-
GAD2	rs8190646	Addictions, Depression, Brain Chemistry Pathway	G	AA	-/-
GAD2	rs8190612	Anxiety, Depression, Brain Chemistry Pathway	T	CC	-/-
GC	rs2282679	Depression, Low Vitamin D	G	CC	-/-
GC	rs7041	Blood Sugar Imbalances, Low Vit. D Levels	C	TT	-/-
GCH1	rs841	Novelty Seeking, Depression, High BP	A	TC	-/-
GCKR	rs780094	Blood Sugar Imbalances	T	AG	-/-
GDF5	rs143383	Joint Problems, Osteoarthritis	A	TT	-/-
GPx1	rs1050450	Inflammatory Pathway	A	CC	-/-
GRM3	rs6465084	Brain Function Imbalance, Mood Swings	A	AA	+/+
GRM8	rs17864092	Addictions, Depression	C	TC	+/-
GSK3B	rs3755557	Depression, Brain Function Imbalance	A	TT	-/-
GSPT1	rs1138272	Free Radical Pathologies, Neurological Imbalances	T	TC	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
GSPT1	rs1695	Asthma, Free Radical Pathologies	G	AG	+/-
GSPT1	rs17593068	Asthma	G	TG	+/-
GSPT1	rs1871042	Asthma	T	TC	+/-
GSPT1	rs4147581	Liver Free Radical Pathologies	G	GC	+/-
GSPT1	rs4891	Lung Free Radical Pathologies	C	TC	+/-
GSPT1	rs6591255	Asthma	A	AT	+/-
GSPT1	rs6591256	Asthma	G	AG	+/-
GSPT1	rs749174	Asthma	A	TC	-/-
GSPT1	rs762803	Free Radical Pathologies	C	AC	+/-
GSPT1	rs8191439	Platelet Aggregation	A	GG	-/-
GSPT1	rs947895	Asthma	A	AC	+/-
GSS	rs17309872	Free Radical Pathologies	A	AA	+/+
GSS	rs28936396	Free Radical Pathologies	A	CC	-/-
GSS	rs28938472	Free Radical Pathologies	C	AA	-/-
HDC	rs2073440	Allergies	T	AA	-/-
HDC	rs17740607	Heart Dysfunction	A	GG	-/-
HFE	rs1800562	Mood Swings, Inflammation Pathway, Iron	A	AG	+/-
HFE	rs1799945	Inflammatory Pathway	G	CC	-/-
HFE	rs1800730	Inflammatory Pathway	T	AA	-/-
HFE	rs2794719	Inflammatory Pathway	G	CC	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
HFE	rs2071303	Inflammation Pathway	C	AA	-/-
HLA DQB2	rs7453920	Immune System Imbalances	G	AG	+/-
HLA-B27	rs4349859	Immune System Imbalances, Joint issues	A	GG	-/-
HLA-B27	rs3819299	Immune System Imbalances	G	AA	-/-
HLA-DQA1	rs9272346	Gluten Sensitivity, Type 1 Diabetes	A	GG	-/-
HLA-DQA1	rs2187668	Gluten Intolerance, Autoimmune Imbalances	T	GG	-/-
HLA-DQA2	rs2858331	Immune System Imbalances, Allergic Reactions	C	TC	+/-
HLA-DQB1	rs9275596	Food Allergy-Peanut, Autoimmune	C	TC	+/-
HLA-DRA	rs7192	Food Allergy-Peanut, Autoimmune	T	TG	+/-
HLA-DRA	rs3135388	Autoimmune Disorders	A	TC	-/-
HLA-DRA	rs3129882	Autoimmune Disorders	G	AG	+/-
HLA-DRA	rs2239803	Addiction	A	GG	-/-
HLA-DRA	rs3135391	Autoimmune Disorders	A	TC	-/-
HLA-DRB1	rs13192471	Autoimmune Disorders	G	TC	-/-
HLA-DRB1	rs6457617	Autoimmune Disorders	T	TC	+/-
HLA-DRB1	rs7775228	Seasonal Allergies	C	TT	-/-
HNF1B	rs4430796	Male Hormonal Imbalances	A	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
HNMT	rs1050891	Attention Imbalances, Histamine Pathway, Allergic reactions	T	TT	+/+
HTR1A	rs6295	Mood Swings, Depression	C	CG	+/-
HTR2A	rs6313	Depression, Panic, Impulsiveness	A	TC	-/-
HTR2A	rs6311	Depression, Aggression	C	TC	+/-
HTR2A	rs731779	Behaviors Related to Season Changes	G	TG	+/-
HTR3C	rs6807362	Autism	C	CC	+/+
HTR3C	rs6766410	Autism	C	AA	-/-
HTRA1	rs11200638	Vision Abnormalities	A	GG	-/-
IDO1	rs7820268	Inflammatory Pathway	C	TC	+/-
IDO2	rs2160860	Thyroid Imbalances	T	TT	+/+
IFNAR1	rs1012335	Immune System Imbalances	G	GG	+/+
IFNAR1	rs2229207	Immune System Imbalances	C	TT	-/-
IFNg	rs2430561	Mood Swings, Immune system Imbalances	T	TT	+/+
IFNg	rs1800872	Immune System Imbalances	A	CC	-/-
IL12A-AS1	rs6441286	Depression, Fatty Acid Metabolism	G	TG	+/-
IL1A	rs1800587	Hearing imbalances, Disc Disease, Autoimmune disease	A	CC	-/-
IL2	rs2069762	Brain Function Imbalance, PTSD, Immune imbalances	T	TG	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
IRS1	rs2943641	Carbohydrate Intolerance	C	TC	+/-
KIAA0319	rs761100	Behaviors Related to Learning	C	TG	-/-
KLF9	rs11142387	Mood Swings, Memory Imbalances, Brain Chemistry Imbalances, Low Mood	C	AA	-/-
LCT	rs121908937	Lactose Intolerance	G	CC	-/-
LDLR	rs688	Depression, Cardiovascular Imbalances	T	TC	+/-
MAO-A	rs5906883	ADHD, Aggression, Brain Chemistry Pathway	C	CC	+/+
MAO-A	rs2235186	Aggression, Anger, Brain Chemistry Pathway	A	CC	-/-
MAO-A	rs909525	Anger, Brain Chemistry Pathway	C	AA	-/-
MAO-A	rs5953210	Agression, Anxiety, Depression, Brain Chemistry Pathway	G	AA	-/-
MAO-A	rs6323	ADHD, Anger, Bipolar, Depression, Brain Function Imbalance, Brain Chemistry Pathway	T	TT	+/+
MAO-A	rs1137070	Depression, Brain Function Imbalance, Psychiatric Disorders, Brain Chemistry Pathway	T	CC	-/-
MAO-A	rs2072743	ADHD, Depression, Brain Chemistry Pathway	T	GG	-/-
MAO-A	rs6323	Depression	G	TT	-/-
MAO-A	rs1465107	Depression	A	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
MAO-A	rs1137070	Depression	T	CC	-/-
MAO-A	rs2072743	Migraine Headaches	G	GG	+/+
MAO-B	rs1799836	ADHD, Anger, Brain Function Imbalance, Brain Chemistry Pathway	T	AA	-/-
MAO-B	rs10521432	Anxiety, ADD, Aggression	G	GG	+/+
MAO-B	rs6651806	Anxiety, ADD, Aggression	C	AA	-/-
MCM6	rs4988235	Lactose Intolerance	G	TC	-/-
MCM6	rs182549	Lactose Intolerance	C	TC	+/-
MCM6	rs182549	Lactose Intolerance	C	TC	+/-
MET	rs2237717	Brain Chemistry Imbalances	T	CC	-/-
mir-137	rs1625579	Brain Function Imbalances, Mood swings	A	AA	+/+
MMAB	rs7957619	Energy Production Pathway	T	GG	-/-
MMAB	rs3759387	Energy Production Pathway	T	TT	+/+
MMAB	rs7134594	Energy Production Pathway	C	TT	-/-
MMAB	rs2241201	Energy Production Pathway	C	GG	-/-
MMACHC	rs121918240	Mood swings	C	TT	-/-
MMACHC	rs121918241	Mood swings, Anemia	T	CC	-/-
MTHFD	rs1076991	Methylation Pathway	A	AG	+/-
MTHFD	rs2236225	Methylation Pathway	A	TC	-/-
MTHFD	rs803422	Methylation Pathway	A	CC	-/-
MTHFD	rs11754661	Methylation Pathway	A	AG	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
MTHFD	rs6922269	Methylation Pathway, Bipolar	A	AG	+/-
MTHFD	rs17349743	Methylation Pathway	C	TC	+/-
MTHFR	rs4846049	ADHD, Methylation Pathway, Brain Chemistry Imbalances	G	TG	+/-
MTHFR	rs17367504	Methylation Pathway, Brain Chemistry Imbalances	G	AA	-/-
MTHFR	rs13306560	Methylation Pathway, Brain Chemistry Imbalances	T	GG	-/-
MTHFR	rs4846048	Methylation Pathway, Brain Chemistry Imbalances	A	GG	-/-
MTHFR	rs1476413	Methylation Pathway, Brain Chemistry Imbalances	C	AG	-/-
MTHFR A129	rs1801131	ADHD, Autism, Depression, Brain Function Imbalance, Methylation Pathway	G	AA	-/-
MTHFR C677	rs1801133	ADHD, Autism, Depression, Brain Function Imbalance, Methylation Pathway, Heavy Metal Toxicity	A	CC	-/-
MTR	rs11799670	Methylation Pathway	G	AA	-/-
MTR	rs1805087	Methylation Pathway	T	AA	-/-
MTR	rs10925250	Methylation Pathway	G	AA	-/-
MTR	rs2275568	Methylation Pathway	T	AA	-/-
MTR	rs3820571	Methylation Pathway	G	TT	-/-
MTR	rs12060570	Methylation Pathway	G	CC	-/-
MTR	rs3768142	Methylation Pathway	T	TT	+/+

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
MTR	rs2275565	Methylation Pathway, Cardiovascular Imbalances	A	CC	-/-
MTRR	rs1802059	Autism, Methylation Pathway	A	GG	-/-
MTRR	rs1801394	Brain Function Imbalance, Methylation Pathway	G	GG	+/+
MTRR	rs3776455	Methylation Pathway	C	AA	-/-
MTRR	rs1532268	Methylation Pathway	T	GG	-/-
MTRR	rs9332	Methylation Pathway	A	CC	-/-
MTRR	rs3776467	Methylation Pathway	G	TT	-/-
MTRR	rs162036	Methylation Pathway	G	AA	-/-
MUT	rs1141321	Energy Production Pathway	T	CC	-/-
MUT	rs9473555	Energy Production Pathway	C	GG	-/-
NAT2	rs1799930	Detoxification Pathway	A	AA	+/+
NAT2	rs1495741	Detoxification Pathway	A	AA	+/+
NDUFAB1	rs120963	Energy Production Pathway, Neurological Imbalances	C	AA	-/-
NDUFS3	rs4147730	Energy Production Pathway, Neurological Imbalances	T	GG	-/-
NDUFS3	rs104894270	Energy Production Pathway, Neurological Imbalances	T	CC	-/-
NDUFS3	rs28939714	Energy Production Pathway, Neurological Imbalances	T	CC	-/-
NDUFS7	rs809359	Energy Production Pathway, Neurological Imbalances	G	AA	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
NDUFS7	rs2332496	Energy Production Pathway, Neurological Imbalances	A	AA	+/+
NDUFS7	rs1142530	Energy Production Pathway, Neurological Imbalances	T	TT	+/+
NDUFS8	rs2075626	Energy Production Pathway, Neurological Imbalances	T	TT	+/+
NDUFS8	rs999571	Energy Production Pathway, Neurological Imbalances	A	CC	-/-
NNMT	rs694539	Migraine Headaches, Brain Function Imbalances	T	AG	-/-
NOS1	rs7298903	Nitric Oxide Pathway, PTSD, Depression	C	TT	-/-
NOS1	rs7977109	Brain Chemistry Imbalances, Depression	T	GG	-/-
NOS2	rs2297518	Nitric Oxide Pathway, Immune System Defects	A	GG	-/-
NOS2	rs2248814	Nitric Oxide Pathway, Immune System Imbalances	A	AG	+/-
NOS2	rs2274894	Nitric Oxide Pathway, Immune System Imbalances	T	TG	+/-
NOS3	rs1800779	Nitric Oxide Pathway	G	AA	-/-
NPAS2	rs11123857	Brain Function Imbalance, Mood Swings, Addiction	G	AG	+/-
NRG1	rs6994992	Brain Function Imbalance, Creativity, Mood Swings	T	CC	-/-
OAT	rs386833618	Vision Abnormalities	A	CC	-/-
OAT	rs386833621	Vision Abnormalities	T	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
OAT	rs121965040	Vision Abnormalities	G	GG	+/+
OAT	rs121965043	Vision Abnormalities	G	TT	-/-
OAT	rs121965047	Vision Abnormalities	T	GG	-/-
ODZ4/TENM4	rs12576775	Mood Swings	G	AA	-/-
ODZ4/TENM4	rs12290811	Mood swings, Brain Function Imbalances	A	TT	-/-
OPN4	rs2675703	Behaviors Related to Season Changes	T	CC	-/-
OPRD1	rs569356	Addictions, Eating Disorders	G	GA	+/-
OPRM1	rs1799971	Addictions, Brain Function Imbalance	G	AA	-/-
OPRM1	rs3778151	Addictions	G	TT	-/-
OXTR	rs2268498	Anxiety, Depression, Brain Chemistry Pathway	T	TT	+/+
OXTR	rs2268493	Lack of Empathy, Autism, ADHD, Brain Chemistry Pathway	C	TC	+/-
OXTR	rs53576	Lack of Empathy, PTSD, Brain Chemistry Pathway	A	AG	+/-
OXTR	rs13316193	Brain Chemistry Pathway	T	TC	+/-
OXTR	rs237898	Lack of Empathy, Aggression in Males, Brain Chemistry Pathway	T	AA	-/-
OXTR	rs237885	Brain Function Imbalance, Brain Chemistry Pathway	T	TG	+/-
OXTR	rs4686302	Lack of Empathy, Brain Chemistry Pathway	T	CC	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
OXTR	rs6770632	Aggression, Antisocial Behavior, Brain Chemistry Pathway	T	AC	-/-
OXTR	rs2268491	ASD, Lack of Empathy, Brain Chemistry Pathway	T	CC	-/-
OXTR	rs53576	Lack of Empathy, PTSD, Brain Chemistry Pathway	A	AG	+/-
OXTR	rs2254298	ASD, Lack of Empathy, Brain Chemistry Pathway	A	GG	-/-
OXTR	rs237887	Lack of Empathy, Brain Chemistry Pathway	G	AG	+/-
PAH	rs62514958	Phenylalanine Metabolism	C	CC	+/+
PAH	rs62508646	Phenylalanine Metabolism	G	AA	-/-
PAH	rs62642937	Phenylalanine Metabolism	A	CC	-/-
PAH	rs62516101	Phenylalanine Metabolism	T	CC	-/-
PALB2	rs420259	Mood Swings	G	TT	-/-
PDE11A	rs3770018	Depression	A	AA	+/+
PDE9A	rs729861	Depression	T	AA	-/-
PDHA1	rs137853252	Fatigue, Energy Production Pathway	T	CC	-/-
PDHA1	rs137853256	Energy Production Pathway	A	GG	-/-
PDHA1	rs137853257	Energy Production Pathway	C	GG	-/-
PDHA1	rs137853258	Energy Production Pathway	A	GG	-/-
PDHX	rs745949756	Energy Production Pathway	G	AA	-/-
PDHX	rs758020436	Energy Production Pathway	T	CC	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
PDLIM5	rs10008257	Major Depression, Mood swings	A	AG	+/-
PEMT	rs7946	Methylation Pathway	T	TT	+/+
PEMT	rs4646406	Depression, Methylation Pathway	T	AA	-/-
PEMT	rs4244593	Depression, Brain Function Imbalance, Methylation Pathway	A	CC	-/-
PENK	rs2609997	Addictions	A	GG	-/-
PENK	rs2576573	Neuroticism, Addictions	A	AA	+/+
PER2	rs121908635	Sleep Dysfunction	C	AA	-/-
PER3	rs10462020	Sleep Dysfunction, Depression, Mood Swings, Behaviors Related to Seasonal Changes, Blood Sugar Imbalances	G	TT	-/-
PER3	rs10462021	Sleep Dysfunction	G	AA	-/-
PER3	rs150812083	Sleep Disorder, Depression, Behaviors Related to Seasonal Changes, Blood Sugar Imbalances	G	CC	-/-
PKNOX2	rs12284594	Addictions	G	AA	-/-
PNMT	rs5638	Brain Chemistry Pathway	G	AA	-/-
PNMT	rs876493	Brain Chemistry Pathway	A	TC	-/-
POMC	rs1009388	Addictions	C	CC	+/+
PON1	rs3917577	Anxiety, Detoxification Pathway	T	TT	+/+
PON1	rs662	Anxiety, Detoxification, Mercury Toxicity	T	AA	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
PON2	rs7493	Immune System Imbalances	C	CC	+/+
PRODH	rs450046	Brain Function Imbalance	G	TT	-/-
PRODH	rs2904552	Brain Function Imbalance	T	CC	-/-
PTPN22	rs2476601	Immune System Imbalances	A	GG	-/-
RELN	rs7341475	Brain Chemistry Imbalances in Women	G	GG	+/+
RGS1	rs2816316	Gluten Intolerance	G	TT	-/-
RORA	rs8042149	PTSD	C	TT	-/-
RXRA	rs1045570	Blood Sugar Imbalances	G	GG	+/+
RXRA	rs10881583	Free Radical Pathologies	C	TT	-/-
RXRA	rs11185660	Cardiovascular Imbalances	C	TT	-/-
RXRA	rs1536475	Brain Function Imbalance, Free Radical Pathologies	A	GG	-/-
RXRA	rs1805352	Free Radical Pathologies	C	AA	-/-
RXRA	rs3118536	Free Radical Pathologies	A	CC	-/-
RXRA	rs3132291	Blood Sugar Imbalances	C	TT	-/-
RXRA	rs3132297	Free Radical Pathologies	C	CC	+/+
RXRA	rs4240711	Blood Sugar Imbalances, Metabolism	G	AA	-/-
RXRA	rs748964	Free Radical Pathologies	C	CG	+/-
RXRA	rs7861779	Free Radical Pathologies	T	CC	-/-
SARDH	rs149481147	Methylation Pathway, Brain Chemistry Imbalances	A	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
SHBG	rs6258	Hormone Imbalance	T	CC	-/-
SHBG	rs727428	Hormone Imbalance	A	AG	+/-
SLC19A1	rs1051266	Depression, Autism Risk, Methylation Pathway	T	AA	-/-
SLC1A1	rs12682807	OCD	C	AA	-/-
SLC1A1	rs301430	OCD, Anxiety	C	TT	-/-
SLC22A4	rs1050152	Energy Production Pathway	C	CC	+/+
SLC22A5	rs72552725	Energy Production Pathway	G	AA	-/-
SLC22A5	rs72552730	Energy Production Pathway	A	CC	-/-
SLC22A5	rs2631367	Energy Production Pathway, Autoimmune, Crohn's	G	CC	-/-
SLC22A5	rs72552728	Energy Production Pathway	T	GG	-/-
SLC22A5	rs72552729	Energy Production Pathway	C	TT	-/-
SLC23A1	rs10063949	Inflammation Pathway	G	TC	-/-
SLC26A4	rs111033220	Immune System Imbalances	T	CC	-/-
SLC5A6	rs1395	Brain Dysfunction	A	AA	+/+
SLC6A15	rs1545843	Depression	A	AA	+/+
SLC6A3	rs27072	Addictions, Mood Swings, PTSD	C	TC	+/-
SLC6A4	rs25532	Brain Function Imbalance	G	CC	-/-
SLC6A4	rs140701	Anxiety, Panic Disorder	T	AG	-/-
SLC6A4	rs1042173	Brain Function Imbalance, Alcoholism	A	TG	-/-
SLC6A4	rs140701	Brain Function Imbalance	T	AG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
SLC6A4	rs6354	Brain Function Imbalance, Depression	T	AC	-/-
SNAP25	rs363050	Mood Disorders and Brain Imbalances	A	AG	+/-
SNAP25	rs3746544	Attention Issues, Brain Function Imbalance	T	AC	-/-
SNAP25	rs1051312	Attention Imbalances	T	TT	+/+
SOD1	rs121912442	Inflammation Pathway	T	CC	-/-
SOD2	rs2758331	Inflammation Pathway	A	AC	+/-
SOD2	rs4880	Inflammation Pathway, Free radical pathologies	G	TC	-/-
SOD3	rs2855262	Inflammation Pathway	C	TC	+/-
SRD5A2	rs9332964	Hormone Pathways	T	CC	-/-
SRD5A2	rs12470143	Hormone Imbalance	C	CC	+/+
SRD5A2	rs2208532	Hormone Imbalance	A	AG	+/-
SRD5A2	rs523349	Hormone Imbalances, Free Radical Pathologies	G	CG	+/-
SRD5A2	rs559555	Blood Sugar Imbalances, Metabolism, Hormone Imbalances	T	AT	+/-
SRD5A2	rs9332964	Male Hormone Imbalance	T	CC	-/-
SULT	rs296366	Detoxification Pathway	C	GG	-/-
SULT	rs4149452	Detoxification Pathway	T	AG	-/-
SULT	rs11569679	Detoxification Pathway	T	GG	-/-
SULT	rs2547231	Detoxification Pathway	T	TT	+/+

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
SULT	rs4149449	Detoxification Pathway	T	GG	-/-
SUOX	rs121908007	Depression, Detoxification Pathway	A	GG	-/-
TCF4	rs2958182	Brain Function Imbalance	T	TT	+/+
TCF7L2	rs7903146	Brain function imbalances, Thought Disorders, Blood sugar imbalances	T	TT	+/+
TCF7L2	rs12255372	Blood sugar imbalances, Metabolic syndrome risk, Free radical pathology	T	TG	+/-
TCN1	rs526934	Methylation Pathway	G	AG	+/-
TCN2	rs9606756	Methylation Pathway	G	AA	-/-
TDP2 (TTRA	rs2143340	Behaviors Related to Learning	G	TT	-/-
TF	rs1799899	Hematology Related Dysfunction	A	GG	-/-
TF	rs1049296	Hematology Related Dysfunction, Sleep Dysfunction	T	CC	-/-
TF	rs1830084	High Iron	T	AT	+/-
TH	rs2070762	Brain Function Imbalance, Brain Chemistry Pathway	T	TC	+/-
TH	rs6356	Addictions, Depression, Brain Function Imbalance, Brain Chemistry Pathway	T	AG	-/-
TH	rs10770141	Brain Chemistry Pathway	A	GG	-/-
TMEM	rs11060369	Panic	A	AA	+/+
TNF	rs1800629	Addiction	A	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
TNF	rs1799964	Seasonal Allergies	C	TT	-/-
TPH1	rs1799913	Addictions, Depression, Brain Chemistry Pathway	G	AC	-/-
TPH1	rs1800532	Depression, Brain Chemistry Pathway	T	AC	-/-
TPH2	rs4570625	OCD, ADHD, Major Depression, Aggression, Brain Chemistry Pathway	G	GG	+/+
TPH2	rs4565946	ADHD, Mood Swings, OCD, Brain Chemistry Pathway	C	TC	+/-
TPH2	rs11178997	Mood Swings, Depression, Brain Chemistry Pathway	A	TT	-/-
TPH2	rs7305115	Depression, Brain Chemistry Pathway	G	AG	+/-
TPH2	rs1386494	Depression, Brain Chemistry Pathway, PTSD	T	AG	-/-
TPH2	rs4290270	Depression, Anxiety, Mood Swings, Addictions	T	TA	+/-
TRNAV27S	rs6932590	Brain Function Imbalance	T	TT	+/+
TRPM2	rs1556314	Mood Swings	G	TT	-/-
TRPM8	rs10166942	Migraine Headaches	C	TT	-/-
TYK2	rs2304256	Immune System Imbalances	C	AC	+/-
TYK2	rs280519	Immune System Imbalances	G	AG	+/-
TYK2	rs34536443	Lung Imbalance	C	GG	-/-
TYK2	rs35018800	Immune System Imbalances, Autoimmune	A	GG	-/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
UGT	rs887829	Detoxification Pathway, High Bilirubin levels	T	GG	-/-
UGT	rs4148325	Detoxification Pathway	T	CC	-/-
UGT	rs6742078	Detoxification Pathway	T	GG	-/-
UGT	rs62625011	Detoxification Pathway	A	GG	-/-
UGT	rs4148323	Detoxification Pathway	A	GG	-/-
UGT	rs72551351	Detoxification Pathway	G	AA	-/-
UGT	rs72551341	Detoxification Pathway	A	TT	-/-
VDR	rs3782905	Brain Chemistry Pathway	G	CC	-/-
VDR	rs2189480	Brain Chemistry Pathway	T	AC	-/-
VDR	rs3847987	Brain Chemistry Pathway	A	AC	+/-
VDR	rs757343	Brain Chemistry Pathway	T	AG	-/-
VDR	rs2107301	Brain Chemistry Pathway, Free radical pathology	A	TC	-/-
VDR	rs2238136	Brain Chemistry Pathway, Vitamin D levels, Free radical pathology	T	GG	-/-
VDR	rs739837	Brain Chemistry Pathway, Vitamin D levels, Free radical pathology	T	TG	+/-
VDR	rs3890733	Brain Chemistry Pathway, Autoimmune, Low Vitamin D	T	TC	+/-
VDR	rs2239185	Brain Chemistry Pathway	G	TC	-/-
VDR	rs886441	Brain Chemistry Pathway	C	TC	+/-
VDR	rs7975232	Brain Chemistry Pathway	C	AC	+/-

SNiP	rsID	Trait	Risk Allele	Your Allele	Result
VDR	rs3819545	Brain Chemistry Pathway	C	TC	+/-
VDR	rs11568820	Brain Chemistry Pathway	T	AG	-/-
VDR (BSM)	rs1544410	ASD, Depression, Brain Chemistry Pathway	T	GG	-/-
VDR (Taq)	rs731236	ASD, Depression, Brain Chemistry Pathway	T	TT	+/+
XDH	rs72549369	Kidney Imbalances	A	CC	-/-
ZNF804A	rs1344706	Brain Function Imbalances, Bipolar	A	TT	-/-