

Carrier and Drug Response Report for Customer: 16b3a1d2-1cc8-4b35-972c-b83fceb0a109

Instructions:

In this report, NutraHacker examines single nucleotide polymorphisms that reveal carrier status for multiple health conditions and response to medications.

Most humans have two copies of somatic genes. Homozygous indicates the two genes have the same deleterious polymorphism and heterozygous indicates only one version has the deleterious polymorphism.

Carrier status: Heterozygous denotes a nonsymptomatic carrier, while homozygous indicates the condition is present.

Drug response: Positive drug response likely if no deleterious polymorphism is detected. If heterozygous or homozygous, the drug may be less effective or have an increased risk of side effects.

Thank you for using NutraHacker. To your health!

Gender of customer: Male

Deleterious Polymorphisms:

Carrier status: 0 homozygous, 0 heterozygous.

Drug response: 3 homozygous, 10 heterozygous.

Please continue to the next page to begin your discovery process.

Category	Topic	Gene	RSID	Low Risk Allele(s)	Your Genotype	Detected
Carrier Status	ACCPN	SLC12A6	i5012573	I	II	None
Carrier Status	ACCPN	SLC12A6	i5012575	G	GG	None
Carrier Status	Alpha-1 Antitrypsin Deficiency	SERPINA1	rs17580	T	TT	None
Carrier Status	Alpha-1 Antitrypsin Deficiency	SERPINA1	rs28929474	C	CC	None
Carrier Status	ARSACS	SACS	i5012578	I	II	None
Carrier Status	Autosomal Recessive Polycystic Kidney Disease	PKHD1	i5000043	A	AA	None
Carrier Status	Autosomal Recessive Polycystic Kidney Disease	PKHD1	i5000045	A	AA	None
Carrier Status	Autosomal Recessive Polycystic Kidney Disease	PKHD1	i5000047	T	TT	None
Carrier Status	Autosomal Recessive Polycystic Kidney Disease	PKHD1	i5012610	I	II	None
Carrier Status	Autosomal Recessive Polycystic Kidney Disease	PKHD1	i5012612	G	GG	None
Carrier Status	Autosomal Recessive Polycystic Kidney Disease	PKHD1	rs28939383	G	GG	None
Carrier Status	Beta Thalassemia	HBB	rs11549407	G	GG	None
Carrier Status	Beta Thalassemia	HBB	rs33915217	C	CC	None
Carrier Status	Beta Thalassemia	HBB	rs33930165	C	CC	None
Carrier Status	Beta Thalassemia	HBB	rs33944208	G	GG	None
Carrier Status	Beta Thalassemia	HBB	rs3395057	C	N/A	N/A
Carrier Status	Beta Thalassemia	HBB	rs33960103	C	CC	None
Carrier Status	Beta Thalassemia	HBB	rs33971440	C	CC	None
Carrier Status	Beta Thalassemia	HBB	rs33985472	T	TT	None
Carrier Status	Beta Thalassemia	HBB	rs33986703	T	TT	None
Carrier Status	Beta Thalassemia	HBB	rs34451549	G	GG	None
Carrier Status	Beta Thalassemia	HBB	rs34598529	T	TT	None
Carrier Status	Beta Thalassemia	HBB	rs34690599	G	GG	None
Carrier Status	Beta Thalassemia	HBB	rs34716011	C	CC	None
Carrier Status	Beta Thalassemia	HBB	rs35004220	C	CC	None
Carrier Status	Beta Thalassemia	HBB	rs35724775	A	AA	None
Carrier Status	Beta Thalassemia	HBB	rs63750783	C	CC	None
Carrier Status	Beta Thalassemia / Sickle Cell Anemia	HBB	i3003137	T	TT	None
Carrier Status	Bloom's Syndrome	BLM	i4000396	D	DD	None
Carrier Status	Canavan Disease	ASPA	rs12948217	CT	CT	None
Carrier Status	Canavan Disease	ASPA	rs28940279	A	AA	None
Carrier Status	Canavan Disease	ASPA	rs28940574	C	CC	None
Carrier Status	Congenital Disorder of Glycosylation Type 1a	PMM2	i5012679	C	CC	None
Carrier Status	Congenital Disorder of Glycosylation Type 1a	PMM2	i5012680	G	GG	None

Category	Topic	Gene	RSID	Low Risk Allele(s)	Your Genotype	Detected
Carrier Status	Connexin 26-Related Nonsyndromic Sensorineural Hearing Loss	GJB2	i4000434	I	II	None
Carrier Status	Connexin 26-Related Nonsyndromic Sensorineural Hearing Loss	GJB2	i4000435	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i3000001	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000291	C	CC	None
Carrier Status	Cystic Fibrosis	CTFR	i4000292	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000294	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000296	C	CC	None
Carrier Status	Cystic Fibrosis	CTFR	i4000297	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000299	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000300	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000301	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000305	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000306	C	CC	None
Carrier Status	Cystic Fibrosis	CTFR	i4000307	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000308	C	CC	None
Carrier Status	Cystic Fibrosis	CTFR	i4000309	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000311	C	CC	None
Carrier Status	Cystic Fibrosis	CTFR	i4000313	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000314	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000315	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000316	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000317	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000318	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000319	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000320	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000321	G	GG	None
Carrier Status	Cystic Fibrosis	CTFR	i4000322	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000323	I	II	None
Carrier Status	Cystic Fibrosis	CTFR	i4000324	D	DD	None
Carrier Status	Cystic Fibrosis	CTFR	i4000325	C	CC	None
Carrier Status	D-Bifunctional Protein Deficiency	HSD17B4	i5007145	G	GG	None
Carrier Status	D-Bifunctional Protein Deficiency	HSD17B4	i5007146	A	AA	None
Carrier Status	Dihydropolipoamide Dehydrogenase Deficiency	DLD	i5003700	G	GG	None
Carrier Status	Factor XI Deficiency	F11	i4000397	G	GG	None

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Carrier Status	Factor XI Deficiency	F11	i4000398	G	GG	None
Carrier Status	Factor XI Deficiency	F11	i4000399	T	TT	None
Carrier Status	Familial Dysautonomia	IKBKAP	i4000334	A	AA	None
Carrier Status	Familial Dysautonomia	IKBKAP	i4000400	C	CC	None
Carrier Status	Familial Hypercholesterolemia Type B	APOB	i4000339	G	GG	None
Carrier Status	Familial Hypercholesterolemia Type B	APOB	rs12713559	G	GG	None
Carrier Status	Familial Hypercholesterolemia Type B	APOB	rs5742904	C	CC	None
Carrier Status	Familial Hyperinsulism (ABCC8-Related)	ABCC8	i5008233	A	AA	None
Carrier Status	Familial Hyperinsulism (ABCC8-Related)	ABCC8	i5012556	I	II	None
Carrier Status	Familial Hyperinsulism (ABCC8-Related)	ABCC8	i5012558	C	CC	None
Carrier Status	Familial Mediterranean Fever	MEFV	i4000403	G	GG	None
Carrier Status	Familial Mediterranean Fever	MEFV	i4000406	T	TT	None
Carrier Status	Familial Mediterranean Fever	MEFV	i4000407	T	TT	None
Carrier Status	Familial Mediterranean Fever	MEFV	i4000409	C	CC	None
Carrier Status	Familial Mediterranean Fever	MEFV	i4000410	C	CC	None
Carrier Status	Familial Mediterranean Fever	MEFV	rs11466023	G	GG	None
Carrier Status	Familial Mediterranean Fever	MEFV	rs28940578	C	CC	None
Carrier Status	Familial Mediterranean Fever	MEFV	rs28940579	A	AA	None
Carrier Status	Familial Mediterranean Fever	MEFV	rs28940580	C	CC	None
Carrier Status	Familial Mediterranean Fever	MEFV	rs3743930	C	CC	None
Carrier Status	Fanconi Anemia	FANCC	i4000336	T	TT	None
Carrier Status	Fanconi Anemia	FANCC	i4000412	G	GG	None
Carrier Status	Fanconi Anemia	FANCC	i4000413	I	II	None
Carrier Status	G6PD Deficiency	G6PD	rs1050828	C	CC	None
Carrier Status	G6PD Deficiency	G6PD	rs1050829	T	TT	None
Carrier Status	Gaucher Disease	GBA	i4000386	C	CC	None
Carrier Status	Gaucher Disease	GBA	i4000415	T	TT	None
Carrier Status	Gaucher Disease	GBA	i4000417	D	DD	None
Carrier Status	Gaucher Disease	GBA	i4000419	C	CC	None
Carrier Status	Glycogen Storage Disease Type 1a	G6PC	i3002486	C	CC	None
Carrier Status	Gracile Syndrome	BCS1L	i5012660	A	AA	None
Carrier Status	Hemochromatosis	HFE	rs1799945	C	CC	None
Carrier Status	Hemochromatosis	HFE	rs1800562	G	GG	None
Carrier Status	Hereditary Fructose Intolerance	ALDOB	i5008215	G	GG	None

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Carrier Status	Hereditary Fructose Intolerance	ALDOB	i5012664	G	GG	None
Carrier Status	Hereditary Fructose Intolerance	ALDOB	i5012665	I	II	None
Carrier Status	Hereditary Fructose Intolerance	ALDOB	rs1800546	C	CC	None
Carrier Status	Hypertrophic Cardiomyopathy	MYBC3	rs36212066	I	II	None
Carrier Status	LAMB3-Related Junctional Epidermolysis Bullosa	LAMB3	i5012669	G	GG	None
Carrier Status	LAMB3-Related Junctional Epidermolysis Bullosa	LAMB3	i5012671	G	GG	None
Carrier Status	LAMB3-Related Junctional Epidermolysis Bullosa	LAMB3	i5012672	G	GG	None
Carrier Status	Limb-girdle Muscular Dystrophy	SGCA	rs28933693	C	CC	None
Carrier Status	Limb-girdle Muscular Dystrophy	SGCB	rs28936383	G	GG	None
Carrier Status	Limb-girdle Muscular Dystrophy	FKRP	rs28937900	C	CC	None
Carrier Status	Maple Syrup Urine Disease Type 1B	BCKDHB	i3002808	G	GG	None
Carrier Status	Maple Syrup Urine Disease Type 1B	BCKDHB	i4000422	G	GG	None
Carrier Status	Medium-Chain Acyl-CoA Dehydrogenase Deficiency	ACADM	i5003116	G	GG	None
Carrier Status	Medium-Chain Acyl-CoA Dehydrogenase Deficiency	ACADM	i5003117	C	CC	None
Carrier Status	Medium-Chain Acyl-CoA Dehydrogenase Deficiency	ACADM	i5012755	C	CC	None
Carrier Status	Medium-Chain Acyl-CoA Dehydrogenase Deficiency	ACADM	i5012758	T	TT	None
Carrier Status	Medium-Chain Acyl-CoA Dehydrogenase Deficiency	ACADM	i5012759	A	AA	None
Carrier Status	Medium-Chain Acyl-CoA Dehydrogenase Deficiency	ACADM	i5012760	C	CC	None
Carrier Status	Mucopolipidosis IV	MCOLN1	i4000425	A	AA	None
Carrier Status	Neuronal Ceroid Lipofuscinosis (CLN5-related)	CLN5	i5012678	I	II	None
Carrier Status	Neuronal Ceroid Lipofuscinosis (PPT1-related)	PPT1	i5012622	T	TT	None
Carrier Status	Neuronal Ceroid Lipofuscinosis (PPT1-related)	PPT1	i5012623	T	TT	None
Carrier Status	Neuronal Ceroid Lipofuscinosis (PPT1-related)	PPT1	i5012624	G	GG	None
Carrier Status	Niemann-Pick Disease Type A	SMPD1	i4000381	T	TT	None
Carrier Status	Niemann-Pick Disease Type A	SMPD1	i4000383	I	II	None
Carrier Status	Niemann-Pick Disease Type A	SMPD1	i4000430	G	GG	None
Carrier Status	Nijmegen Breakage Syndrome	NBN	i5012770	I	II	None
Carrier Status	Pendred Syndrome	SLC26A4	i5000002	A	AA	None
Carrier Status	Pendred Syndrome	SLC26A4	i5000003	A	AA	None
Carrier Status	Pendred Syndrome	SLC26A4	i5000693	G	GG	None
Carrier Status	Pendred Syndrome	SLC26A4	i5000696	T	TT	None
Carrier Status	Pendred Syndrome	SLC26A4	i5012616	T	TT	None
Carrier Status	Pendred Syndrome	SLC26A4	i5012618	A	AA	None
Carrier Status	Phenylketonuria	PAH	i3003397	C	CC	None

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Carrier Status	Phenylketonuria	PAH	i3003398	G	GG	None
Carrier Status	Phenylketonuria	PAH	i3003399	G	GG	None
Carrier Status	Phenylketonuria	PAH	i3003400	G	GG	None
Carrier Status	Phenylketonuria	PAH	i3003401	G	GG	None
Carrier Status	Phenylketonuria	PAH	i3003403	T	TT	None
Carrier Status	Phenylketonuria	PAH	i3003404	C	CC	None
Carrier Status	Phenylketonuria	PAH	i3003405	T	TT	None
Carrier Status	Phenylketonuria	PAH	i4000467	C	CC	None
Carrier Status	Phenylketonuria	PAH	i4000470	G	GG	None
Carrier Status	Phenylketonuria	PAH	i4000472	A	AA	None
Carrier Status	Phenylketonuria	PAH	i4000473	G	GG	None
Carrier Status	Phenylketonuria	PAH	i4000474	C	CC	None
Carrier Status	Phenylketonuria	PAH	i4000475	A	AA	None
Carrier Status	Phenylketonuria	PAH	i4000476	G	GG	None
Carrier Status	Phenylketonuria	PAH	i4000477	A	AA	None
Carrier Status	Phenylketonuria	PAH	i4000478	C	CC	None
Carrier Status	Phenylketonuria	PAH	i4000479	G	GG	None
Carrier Status	Phenylketonuria	PAH	i4000481	C	CC	None
Carrier Status	Phenylketonuria	PAH	rs28934899	C	CC	None
Carrier Status	Phenylketonuria	PAH	rs5030841	A	AA	None
Carrier Status	Phenylketonuria	PAH	rs5030849	C	CC	None
Carrier Status	Phenylketonuria	PAH	rs5030852	C	CC	None
Carrier Status	Phenylketonuria	PAH	rs5030853	C	CC	None
Carrier Status	Phenylketonuria	PAH	rs5030855	C	CC	None
Carrier Status	Phenylketonuria	PAH	rs5030857	G	GG	None
Carrier Status	Phenylketonuria	PAH	rs5030858	G	GG	None
Carrier Status	Phenylketonuria	PAH	rs5030861	C	CC	None
Carrier Status	Primary Hyperoxaluria Type 2 (PH2)	GRHPR	i5012628	I	II	None
Carrier Status	Primary Hyperoxaluria Type 2 (PH2)	GRHPR	i5012629	I	II	None
Carrier Status	Rhizomelic Chondrodysplasia Punctata Type 1	PEX7	i3002517	T	TT	None
Carrier Status	Salla Disease	SLC17A5	i5012634	G	GG	None
Carrier Status	Sjogren-Larsson Syndrome	ALDH3A2	rs72547571	C	CC	None
Carrier Status	Tay-Sachs Disease	HEXA	i4000391	D	DD	None
Carrier Status	Tay-Sachs Disease	HEXA	i4000393	C	CC	None

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Carrier Status	Tay-Sachs Disease	HEXA	i4000436	C	CC	None
Carrier Status	Tay-Sachs Disease	HEXA	i4000438	C	CC	None
Carrier Status	Tay-Sachs Disease	HEXA	i4000440	G	GG	None
Carrier Status	Tay-Sachs Disease	HEXA	i4000442	G	GG	None
Carrier Status	Torsion Dystonia	TOR1A	i4000446	I	II	None
Carrier Status	TTR-Related Cardiac Amyloidosis	TTR	i3002759	G	GG	None
Carrier Status	TTR-Related Familial Amyloid Polyneuropathy	TTR	i3002758	G	GG	None
Carrier Status	TTR-Related Familial Amyloid Polyneuropathy	TTR	i5004213	A	AA	None
Carrier Status	Tyrosinemia Type I	FAH	i5012861	C	CC	None
Carrier Status	Tyrosinemia Type I	FAH	i5012862	G	GG	None
Carrier Status	Tyrosinemia Type I	FAH	i5012864	G	GG	None
Carrier Status	Tyrosinemia Type I	FAH	i5012865	G	GG	None
Carrier Status	Tyrosinemia Type I	FAH	i5012867	G	GG	None
Carrier Status	Usher Syndrome Type I (PCDH15-Related)	PCDH15	i5012804	G	GG	None
Carrier Status	Usher Syndrome Type III	CLRN1	i4990151	A	AA	None
Carrier Status	Zellweger Syndrome Spectrum	PEX1	i5012688	C	CC	None
Drug Response	Abacavir Hypersensitivity / Floxacillin Toxicity	HCP5	rs2395029	T	TT	None
Drug Response	Alcohol Consumption, Smoking and Risk of Esophageal Cancer	ALDH2	rs671	G	GG	None
Drug Response	Antidepressant Response	ABCB1	rs2032583	G	AG	Heterozygous
Drug Response	Antidepressant Response	intergenic	rs6311	T	CT	Heterozygous
Drug Response	Beta-Blocker Response	ADRB1	rs1801253	C	CG	Heterozygous
Drug Response	Caffeine Metabolism	CYP1A2	rs762551	A	CC	Homozygous
Drug Response	Clopidogrel Efficacy	CYP2C19	rs12248560	C	CT	Heterozygous
Drug Response	Clopidogrel Efficacy	CYP2C19	rs28399504	A	AG	Heterozygous
Drug Response	Clopidogrel Efficacy	CYP2C19	rs41291556	T	TT	None
Drug Response	Clopidogrel Efficacy	CYP2C19	rs4244285	G	GG	None
Drug Response	Clopidogrel Efficacy	CYP2C19	rs4986893	G	GG	None
Drug Response	Fluorouracil Toxicity	DPYD	rs3918290	C	CC	None
Drug Response	Hepatitis C Treatment Side Effects	ITPA	rs1127354	C	CC	None
Drug Response	Hepatitis C Treatment Side Effects	intergenic	rs6139030	T	TT	None
Drug Response	Heroin Addiction	OPRM1	rs1799971	G	AA	Homozygous
Drug Response	Lumiracoxib (Prexige?) Side Effects	C6orf10	rs3129900	T	GT	Heterozygous
Drug Response	Metformin Response	ATM	rs4585	G	TT	Homozygous
Drug Response	Naltrexone Treatment Response	OPRM1	rs1799971	A	AA	None

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Drug Response	Oral Contraceptives, HRT and Risk of VTE	intergenic	i3002432	G	GG	None
Drug Response	Oral Contraceptives, HRT and Risk of VTE	F5	rs6025	C	CC	None
Drug Response	Postoperative Nausea and Vomiting	ANKK1	rs1800497	G	GG	None
Drug Response	Pseudocholinesterase Deficiency	BCHE	rs1799807	T	TT	None
Drug Response	Pseudocholinesterase Deficiency	BCHE	rs28933389	G	GG	None
Drug Response	Pseudocholinesterase Deficiency	BCHE	rs28933390	C	CC	None
Drug Response	Response to Hepatitis C Treatment	intergenic	rs8099917	T	GT	Heterozygous
Drug Response	Response to Interferon Beta Therapy	GPC5	rs7987675	C	CC	None
Drug Response	Statin Response	SLCO1B1	rs4149056	T	CT	Heterozygous
Drug Response	Statin Response	COQ2	rs4693596	T	TT	None
Drug Response	Thiopurine Methyltransferase Deficiency	TPMP	rs1142345	T	CT	Heterozygous
Drug Response	Thiopurine Methyltransferase Deficiency	TPMP	rs1800460	C	CT	Heterozygous
Drug Response	Thiopurine Methyltransferase Deficiency	TPMP	rs1800462	C	CC	None
Drug Response	Warfarin Sensitivity	CYP2C9	rs1057910	A	AA	None
Drug Response	Warfarin Sensitivity	CYP2C9	rs1799853	C	CC	None
Drug Response	Warfarin Sensitivity	intergenic	rs9923231	C	CC	None