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GENE LIST FOR HEREDITARY DISEASE RISK

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Cardiovascular Disorder	ABCC9	Atrial fibrillation, familial, 12; Hypertrichotic osteochondrodysplasia	Autosomal dominant
Cardiovascular Disorder	ABL1	Congenital heart defects and skeletal malformations syndrome	Autosomal dominant
Cardiovascular Disorder	ACTA2	Aortic aneurysm, familial thoracic 6	Autosomal dominant
Cardiovascular Disorder	ACTC1	Cardiomyopathy, dilated, 1R; Cardiomyopathy, hypertrophic, 11	Autosomal dominant
Cardiovascular Disorder	ACTN2	Cardiomyopathy, dilated, 1AA, with or without LVNC; Cardiomyopathy, hypertrophic, 23, with or without LVNC	Autosomal dominant
Cardiovascular Disorder	AKAP9	Long QT syndrome-11	Autosomal dominant
Cardiovascular Disorder	ANGPTL3	Hypobetalipoproteinemia, familial, 2	Autosomal recessive
Cardiovascular Disorder	ANK2	Cardiac arrhythmia, ankyrin-B-related	Autosomal dominant
Cardiovascular Disorder	BAG3	Cardiomyopathy, dilated, 1HH; Myopathy, myofibrillar, 6	Autosomal dominant
Cardiovascular Disorder	BMPR2	Pulmonary hypertension, familial primary, 1, with or without HHT; Pulmonary hypertension, primary, fenfluramine or dexfenfluramine-associated; Pulmonary venoocclusive disease 1	Autosomal dominant
Cardiovascular Disorder	CACNA1C	Brugada syndrome 3	Autosomal dominant
Cardiovascular Disorder	CACNB2	Brugada syndrome 4	Autosomal dominant
Cardiovascular Disorder	CALM1	Long QT syndrome 14; Ventricular tachycardia, catecholaminergic polymorphic, 4	Autosomal dominant
Cardiovascular Disorder	CALM2	Long QT syndrome 15	Autosomal dominant
Cardiovascular Disorder	CALM3	Long QT syndrome	Autosomal dominant
Cardiovascular Disorder	CASQ2	Catecholaminergic polymorphic ventricular tachycardia	Autosomal recessive
Cardiovascular Disorder	CAV1	Pulmonary hypertension, primary, 3	Autosomal dominant
Cardiovascular Disorder	CDH2	Arrhythmogenic right ventricular dysplasia	Autosomal dominant
Cardiovascular Disorder	CRYAB	Cardiomyopathy, dilated, 1II; Myopathy, myofibrillar, 2	Autosomal dominant
Cardiovascular Disorder	CSRP3	Cardiomyopathy, hypertrophic, 12	Autosomal dominant
Cardiovascular Disorder	DES	Cardiomyopathy, dilated, 1I; Myopathy, myofibrillar, 1	Autosomal dominant
Cardiovascular Disorder	DNAJC19	3-methylglutaconic aciduria, type V	Autosomal recessive
Cardiovascular Disorder	DSC2	Arrhythmogenic right ventricular dysplasia 11; Arrhythmogenic right ventricular dysplasia 11 with mild palmoplantar keratoderma and woolly hair	Autosomal dominant
Cardiovascular Disorder	DSG2	Arrhythmogenic right ventricular dysplasia 10	Autosomal dominant
Cardiovascular Disorder	DSP	Arrhythmogenic right ventricular dysplasia 8	Autosomal dominant
Cardiovascular Disorder	ELN	Supravalvar aortic stenosis	Autosomal dominant
Cardiovascular Disorder	ENPP1	Arterial calcification, generalized, of infancy, 1	Autosomal recessive
Cardiovascular Disorder	EPHB4	Hydrops fetalis, nonimmune, and/or atrial septal defect	Autosomal dominant
Cardiovascular Disorder	FLNC	Cardiomyopathy, familial hypertrophic, 26; Cardiomyopathy, familial restrictive 5; Myopathy, distal, 4; Myopathy, myofibrillar, 5	Autosomal dominant
Cardiovascular Disorder	FOXE3	Anterior segment dysgenesis 2, multiple subtypes; Aortic aneurysm, familial thoracic 11, susceptibility to	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Cardiovascular Disorder	GATA4	Atrial septal defect 2; Congenital heart disease; Ventricular septal defect 1	Autosomal dominant
Cardiovascular Disorder	GATA5	Bicuspid aortic valve; Familial atrial fibrillation; Tetralogy of Fallot	Autosomal dominant
Cardiovascular Disorder	GDF1	Congenital heart defects, multiple types, 6; Ivemark syndrome	Autosomal dominant; Autosomal recessive
Cardiovascular Disorder	GLMN	Glomuvenous malformations	Autosomal dominant
Cardiovascular Disorder	GPD1L	Brugada syndrome 2	Autosomal dominant
Cardiovascular Disorder	GPIHBP1	Hyperlipoproteinemia, type 1D	Autosomal recessive
Cardiovascular Disorder	HCN4	Sick sinus syndrome 2	Autosomal dominant
Cardiovascular Disorder	JPH2	Cardiomyopathy, hypertrophic, 17	Autosomal dominant
Cardiovascular Disorder	KCNE1	Long QT syndrome 5	Autosomal dominant
Cardiovascular Disorder	KCNH2	Long QT syndrome 2	Autosomal dominant
Cardiovascular Disorder	KCNJ2	Atrial fibrillation, familial, 9; Short QT syndrome 3	Autosomal dominant
Cardiovascular Disorder	KCNK3	Pulmonary hypertension, primary, 4	Autosomal dominant
Cardiovascular Disorder	KCNQ1	Long QT syndrome 1	Autosomal dominant
Cardiovascular Disorder	KLHL3	Pseudohypoparathyroidism, type IID	Autosomal dominant
Cardiovascular Disorder	LDB3	Cardiomyopathy, dilated, 1C, with or without LVNC; Cardiomyopathy, hypertrophic, 24; Myopathy, myofibrillar, 4	Autosomal dominant
Cardiovascular Disorder	LDLR	Familial hypercholesterolemia	Autosomal dominant
Cardiovascular Disorder	LDLRAP1	Familial hypercholesterolemia	Autosomal recessive
Cardiovascular Disorder	LMNA	Cardiomyopathy, dilated, 1A	Autosomal dominant
Cardiovascular Disorder	LOX	Aortic aneurysm, familial thoracic 10	Autosomal dominant
Cardiovascular Disorder	MFAP5	Aortic aneurysm, familial thoracic 9	Autosomal dominant
Cardiovascular Disorder	MIB1	Left ventricular noncompaction 7	Autosomal dominant
Cardiovascular Disorder	MYBPC3	Dilated cardiomyopathy; Hypertrophic cardiomyopathy	Autosomal dominant
Cardiovascular Disorder	MYH11	Aortic aneurysm, familial thoracic 4	Autosomal dominant
Cardiovascular Disorder	MYH6	Cardiomyopathy, dilated, 1EE; Cardiomyopathy, hypertrophic, 14; Sick sinus syndrome 3	Autosomal dominant
Cardiovascular Disorder	MYH7	Dilated cardiomyopathy; Hypertrophic cardiomyopathy	Autosomal dominant
Cardiovascular Disorder	MYL2	Cardiomyopathy, hypertrophic, 10	Autosomal dominant
Cardiovascular Disorder	MYL2	Cardiomyopathy, hypertrophic, 10	Autosomal recessive
Cardiovascular Disorder	MYL3	Hypertrophic cardiomyopathy	Autosomal dominant
Cardiovascular Disorder	MYPN	Cardiomyopathy, dilated, 1KK; Cardiomyopathy, familial restrictive, 4; Cardiomyopathy, hypertrophic, 22	Autosomal dominant
Cardiovascular Disorder	NEXN	Cardiomyopathy, dilated, 1CC; Cardiomyopathy, hypertrophic, 20	Autosomal dominant
Cardiovascular Disorder	NKX2-5	Atrial septal defect 7, with or without AV conduction defects	Autosomal dominant
Cardiovascular Disorder	NR2F2	Congenital heart defects, multiple types, 4	Autosomal dominant
Cardiovascular Disorder	PCSK9	Familial hypercholesterolemia	Autosomal dominant
Cardiovascular Disorder	PKP2	Arrhythmogenic right ventricular dysplasia 9	Autosomal dominant
Cardiovascular Disorder	PLD1	Cardiac valvular defect, developmental	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Cardiovascular Disorder	PLN	Cardiomyopathy, dilated, 1P; Cardiomyopathy, hypertrophic, 18	Autosomal dominant
Cardiovascular Disorder	PNPLA2	Neutral lipid storage disease with myopathy	Autosomal recessive
Cardiovascular Disorder	PPA2	Sudden cardiac failure, infantile	Autosomal recessive
Cardiovascular Disorder	PRDM16	Cardiomyopathy, dilated, 1LL; Left ventricular noncompaction 8	Autosomal dominant
Cardiovascular Disorder	PRKAG2	Cardiomyopathy, hypertrophic 6; Glycogen storage disease of heart, lethal congenital; Wolff-Parkinson-White syndrome	Autosomal dominant
Cardiovascular Disorder	PRKG1	Aortic aneurysm, familial thoracic 8	Autosomal dominant
Cardiovascular Disorder	RBM20	Cardiomyopathy, dilated, 1DD	Autosomal dominant
Cardiovascular Disorder	RYR2	Arrhythmogenic right ventricular dysplasia 2; Ventricular tachycardia, catecholaminergic polymorphic, 1	Autosomal dominant
Cardiovascular Disorder	SAR1B	Chylomicron retention disease	Autosomal recessive
Cardiovascular Disorder	SCN1B	Atrial fibrillation, familial, 13; Brugada syndrome 5; Cardiac conduction defect, nonspecific	Autosomal dominant
Cardiovascular Disorder	SCN5A	Atrial fibrillation, familial, 10; Brugada syndrome 1; Primary familial dilated cardiomyopathy	Autosomal dominant
Cardiovascular Disorder	SCN5A	Long QT syndrome-3	Autosomal dominant
Cardiovascular Disorder	SGCD	Cardiomyopathy, dilated, 1L	Autosomal dominant
Cardiovascular Disorder	SLC25A3	Mitochondrial phosphate carrier deficiency	Autosomal recessive
Cardiovascular Disorder	SLC2A10	Arterial tortuosity syndrome	Autosomal recessive
Cardiovascular Disorder	SMAD6	Aortic valve disease 2	Autosomal dominant
Cardiovascular Disorder	SMAD9	Pulmonary hypertension, primary, 2	Autosomal dominant
Cardiovascular Disorder	SNTA1	Long QT syndrome 12	Autosomal dominant
Cardiovascular Disorder	TAB2	Congenital heart defects, nonsyndromic, 2	Autosomal dominant
Cardiovascular Disorder	TBX20	Atrial septal defect 4	Autosomal dominant
Cardiovascular Disorder	TECRL	Ventricular tachycardia, catecholaminergic polymorphic, 3	Autosomal recessive
Cardiovascular Disorder	TFAP2B	Char syndrome; Patent ductus arteriosus 2	Autosomal dominant
Cardiovascular Disorder	TGFB3	Arrhythmogenic right ventricular dysplasia 1; Loeys-Dietz syndrome 5	Autosomal dominant
Cardiovascular Disorder	TMEM43	Arrhythmogenic right ventricular dysplasia 5	Autosomal dominant
Cardiovascular Disorder	TNNC1	Cardiomyopathy, dilated, 1Z; Cardiomyopathy, hypertrophic, 13	Autosomal dominant
Cardiovascular Disorder	TNNI3	Cardiomyopathy, dilated, 1FF; Cardiomyopathy, hypertrophic, 7	Autosomal dominant
Cardiovascular Disorder	TNNI3K	Cardiac conduction disease with or without dilated cardiomyopathy	Autosomal dominant
Cardiovascular Disorder	TNNT2	Cardiomyopathy, dilated, 1D; Cardiomyopathy, hypertrophic, 2	Autosomal dominant
Cardiovascular Disorder	TPM1	Cardiomyopathy, dilated, 1Y; Cardiomyopathy, hypertrophic, 3	Autosomal dominant
Cardiovascular Disorder	TRDN	Ventricular tachycardia, catecholaminergic polymorphic, 5, with or without muscle weakness	Autosomal recessive
Cardiovascular Disorder	TTN	Dilated cardiomyopathy; Hypertrophic cardiomyopathy	Autosomal dominant
Cardiovascular Disorder	VCL	Cardiomyopathy, dilated, 1W; Cardiomyopathy, hypertrophic, 15	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Cardiovascular Disorder	ZFPM2	Tetralogy of Fallot	Autosomal dominant
Dental Disorder	AMELX	Amelogenesis imperfecta, type 1E	X-linked dominant
Dental Disorder	DLX3	Amelogenesis imperfecta, type IV; Trichodontoosseous syndrome	Autosomal dominant
Dental Disorder	DSPP	Dentin dysplasia, type II; Dentinogenesis imperfecta, Shields type II	Autosomal dominant
Dental Disorder	FAM20A	Amelogenesis imperfecta, type IG (enamel-renal syndrome)	Autosomal recessive
Dental Disorder	FAM83H	Amelogenesis imperfecta, type III	Autosomal dominant
Dental Disorder	KLK4	Amelogenesis imperfecta, type IIA1	Autosomal recessive
Dental Disorder	MMP20	Amelogenesis imperfecta, type IIA2	Autosomal recessive
Dental Disorder	PAX9	Tooth agenesis, selective, 3	Autosomal dominant
Dental Disorder	WDR72	Amelogenesis imperfecta, type IIA3	Autosomal recessive
Endocrine Disorder	ABCC8	Hyperinsulinemic hypoglycemia, familial, 1	Autosomal recessive
Endocrine Disorder	ABCC8	Hyperinsulinemic hypoglycemia, familial, 1	Autosomal dominant
Endocrine Disorder	ABCC8	Diabetes mellitus, permanent neonatal	Autosomal dominant
Endocrine Disorder	AIP	Pituitary adenoma, growth hormone-secreting	Autosomal dominant
Endocrine Disorder	ANOS1	Hypogonadotropic hypogonadism 1 with or without anosmia (Kallmann syndrome 1)	X-linked recessive
Endocrine Disorder	AR	Androgen insensitivity; Androgen insensitivity, partial, with or without breast cancer	X-linked recessive
Endocrine Disorder	CASR	Hypercalciuric hypercalcemia; Hypocalciuric hypercalcemia, type I; Neonatal hyperparathyroidism	Autosomal dominant
Endocrine Disorder	CASR	Hypocalcemia	Autosomal dominant
Endocrine Disorder	CEL	Maturity-onset diabetes of the young, type VIII	Autosomal dominant
Endocrine Disorder	CTRC	Pancreatitis, chronic, susceptibility to	Autosomal dominant
Endocrine Disorder	CUL3	Pseudohypoadosteronism, type IIE	Autosomal dominant
Endocrine Disorder	CYP11B1	Adrenal hyperplasia, congenital, due to 11-beta-hydroxylase deficiency	Autosomal recessive
Endocrine Disorder	CYP11B2	Hypoadosteronism, congenital, due to CMO I deficiency; Hypoadosteronism, congenital, due to CMO II deficiency	Autosomal recessive
Endocrine Disorder	CYP17A1	Congenital adrenal hyperplasia	Autosomal recessive
Endocrine Disorder	CYP19A1	Aromatase excess syndrome	Autosomal dominant
Endocrine Disorder	CYP21A2	Adrenal hyperplasia, congenital, due to 21-hydroxylase deficiency	Autosomal recessive
Endocrine Disorder	CYP24A1	Hypercalcemia, infantile, 1	Autosomal recessive
Endocrine Disorder	DMP1	Hypophosphatemic rickets, AR	Autosomal recessive
Endocrine Disorder	DUOX2	Thyroid dysmorphogenesis 6	Autosomal recessive
Endocrine Disorder	DUOX2	Thyroid dysmorphogenesis 5	Autosomal recessive
Endocrine Disorder	EIF2AK3	Wolcott-Rallison syndrome	Autosomal recessive
Endocrine Disorder	FSHB	Hypogonadotropic hypogonadism 24 without anosmia	Autosomal recessive
Endocrine Disorder	GCK	Maturity onset diabetes of the young, type 2	Autosomal dominant
Endocrine Disorder	GCM2	Familial isolated hypoparathyroidism	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Endocrine Disorder	GH1	Growth hormone deficiency, isolated, type IA; Growth hormone deficiency, isolated, type IB; Kowarski syndrome	Autosomal recessive
Endocrine Disorder	GHR	Laron dwarfism	Autosomal recessive
Endocrine Disorder	GHR	Growth hormone insensitivity, partial	Autosomal dominant
Endocrine Disorder	GHRHR	Growth hormone deficiency, isolated, type IB	Autosomal recessive
Endocrine Disorder	GLUD1	Hyperinsulinism-hyperammonemia syndrome	Autosomal dominant
Endocrine Disorder	GNAS	Pseudohypoparathyroidism; Pseudopseudohypoparathyroidism	Autosomal dominant
Endocrine Disorder	GNRHR	Hypogonadotropic hypogonadism 7 without anosmia	Autosomal recessive
Endocrine Disorder	HESX1	Pituitary hormone deficiency, combined, 5; Septooptic dysplasia	Autosomal dominant
Endocrine Disorder	HFM1	Premature ovarian failure 9	Autosomal recessive
Endocrine Disorder	HNF1A	MODY, type III	Autosomal dominant
Endocrine Disorder	HNF1B	Diabetes mellitus, noninsulin-dependent; Renal cysts and diabetes syndrome	Autosomal dominant
Endocrine Disorder	HNF4A	Type 1 diabetes mellitus maturity onset	Autosomal dominant
Endocrine Disorder	HSD17B3	Pseudohermaphroditism, male, with gynecomastia	Autosomal recessive
Endocrine Disorder	IGSF1	Hypothyroidism, central, and testicular enlargement	X-linked recessive
Endocrine Disorder	INS	Diabetes mellitus, permanent neonatal; Maturity-onset diabetes of the young, type 10	Autosomal dominant
Endocrine Disorder	IYD	Thyroid dysmorphogenesis 4	Autosomal recessive
Endocrine Disorder	KCNJ11	Hyperinsulinemic hypoglycemia, familial, 2	Autosomal recessive
Endocrine Disorder	KCNJ11	Diabetes, permanent neonatal, with or without neurologic features	Autosomal dominant
Endocrine Disorder	LEP	Obesity, morbid, due to leptin deficiency	Autosomal recessive
Endocrine Disorder	LEPR	Obesity, morbid, due to leptin receptor deficiency	Autosomal recessive
Endocrine Disorder	LHCGR	Leydig cell hypoplasia with hypergonadotropic hypogonadism; Leydig cell hypoplasia with pseudohermaphroditism	Autosomal recessive
Endocrine Disorder	LHX3	Pituitary hormone deficiency, combined, 3	Autosomal recessive
Endocrine Disorder	LHX4	Pituitary hormone deficiency, combined, 4	Autosomal dominant
Endocrine Disorder	MKRN3	Precocious puberty, central, 2	Autosomal dominant
Endocrine Disorder	MRAP	Glucocorticoid deficiency 2	Autosomal recessive
Endocrine Disorder	NNT	Glucocorticoid deficiency 4, with or without mineralocorticoid deficiency	Autosomal recessive
Endocrine Disorder	NROB1	46XY sex reversal 2, dosage-sensitive; Adrenal hypoplasia, congenital	X-linked
Endocrine Disorder	NR3C1	Glucocorticoid resistance	Autosomal dominant
Endocrine Disorder	PAX8	Hypothyroidism, congenital, due to thyroid dysgenesis or hypoplasia	Autosomal dominant
Endocrine Disorder	PCSK1	Obesity with impaired prohormone processing	Autosomal recessive
Endocrine Disorder	PDX1	MODY, type IV	Autosomal dominant
Endocrine Disorder	POMC	Obesity, adrenal insufficiency, and red hair due to POMC deficiency	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Endocrine Disorder	POU1F1	Pituitary hormone deficiency, combined, 1	Autosomal recessive
Endocrine Disorder	PPARG	Lipodystrophy, familial partial, type 3	Autosomal dominant
Endocrine Disorder	PROK2	Hypogonadotropic hypogonadism	Autosomal recessive
Endocrine Disorder	PROP1	Pituitary hormone deficiency, combined, 2	Autosomal recessive
Endocrine Disorder	PRSS1	Pancreatitis, hereditary	Autosomal dominant
Endocrine Disorder	SECISBP2	Thyroid hormone metabolism, abnormal	Autosomal recessive
Endocrine Disorder	SLC34A3	Hypophosphatemic rickets with hypercalciuria	Autosomal recessive
Endocrine Disorder	SLC5A5	Thyroid dysmorphogenesis 1	Autosomal recessive
Endocrine Disorder	SRD5A2	Pseudovaginal perineoscrotal hypospadias	Autosomal recessive
Endocrine Disorder	STAR	Lipoid adrenal hyperplasia	Autosomal recessive
Endocrine Disorder	TACR3	Hypogonadotropic hypogonadism 11 with or without anosmia	Autosomal recessive
Endocrine Disorder	TBX19	Adrenocorticotrophic hormone deficiency	Autosomal recessive
Endocrine Disorder	TG	Thyroid dysmorphogenesis 3	Autosomal recessive
Endocrine Disorder	THRB	Thyroid hormone resistance; Thyroid hormone resistance, selective pituitary	Autosomal dominant
Endocrine Disorder	TPO	Thyroid dysmorphogenesis 2A	Autosomal recessive
Endocrine Disorder	TRHR	Central hypothyroidism	Autosomal recessive
Endocrine Disorder	TRPM6	Hypomagnesemia 1, intestinal	Autosomal recessive
Endocrine Disorder	TSHB	Hypothyroidism, congenital, nongoitrous 4	Autosomal recessive
Endocrine Disorder	TSHR	Congenital hypothyroidism	Autosomal recessive
Endocrine Disorder	TSHR	Congenital hypothyroidism	Autosomal dominant
Gastrointestinal Disorder	ACTG2	Visceral myopathy	Autosomal dominant
Gastrointestinal Disorder	IL10RA	Inflammatory bowel disease	Autosomal recessive
Gastrointestinal Disorder	RET	Hirschsprung disease, susceptibility to, 1	Autosomal dominant
Gastrointestinal Disorder	SKIC2	Trichohepatoenteric syndrome 2	Autosomal recessive
Gastrointestinal Disorder	SPINK1	Pancreatitis, hereditary; Tropical calcific pancreatitis	Autosomal recessive
Gastrointestinal Disorder	TPRSS15	Enterokinase deficiency	Autosomal recessive
Hearing Disorder	ACTG1	Deafness, autosomal dominant 20/26	Autosomal dominant
Hearing Disorder	CABP2	Deafness, autosomal recessive 93	Autosomal recessive
Hearing Disorder	CDC14A	Deafness, autosomal recessive 105	Autosomal recessive
Hearing Disorder	CDH23	Hearing loss; Usher syndrome type 1	Autosomal recessive
Hearing Disorder	CIB2	Deafness, autosomal recessive 48; Usher syndrome, type IJ	Autosomal recessive
Hearing Disorder	CLDN14	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	COCH	Deafness, autosomal dominant 9	Autosomal dominant
Hearing Disorder	DIAPH1	Deafness, autosomal dominant 1	Autosomal dominant
Hearing Disorder	ESRRB	Deafness, autosomal recessive 35	Autosomal recessive
Hearing Disorder	EYA4	Hearing loss	Autosomal dominant
Hearing Disorder	GIPC3	Hearing loss	Autosomal recessive
Hearing Disorder	GJB2	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	GJB2	Sensorineural hearing loss	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Hearing Disorder	GJB3	Deafness, autosomal dominant, with peripheral neuropathy	Autosomal dominant
Hearing Disorder	GRHL2	Deafness, autosomal dominant 28	Autosomal dominant
Hearing Disorder	GRXCR1	Deafness, autosomal recessive 25	Autosomal recessive
Hearing Disorder	GSDME	Deafness, autosomal dominant 5	Autosomal dominant
Hearing Disorder	ILDR1	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	KARS1	Deafness, autosomal recessive 89	Autosomal recessive
Hearing Disorder	KCNQ4	Hearing loss	Autosomal dominant
Hearing Disorder	LOXHD1	Hearing loss	Autosomal recessive
Hearing Disorder	MARVELD2	Deafness, autosomal recessive 49	Autosomal recessive
Hearing Disorder	MYO15A	Hearing loss	Autosomal recessive
Hearing Disorder	MYO3A	Hearing loss	Autosomal recessive
Hearing Disorder	MYO6	Sensorineural hearing loss	Autosomal dominant
Hearing Disorder	MYO6	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	MYO7A	Hearing loss; Usher syndrome, type 1B	Autosomal recessive
Hearing Disorder	OSBPL2	Deafness, autosomal dominant 67	Autosomal dominant
Hearing Disorder	OTOA	Hearing loss	Autosomal recessive
Hearing Disorder	OTOF	Auditory neuropathy, autosomal recessive, 1; Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	OTOG	Deafness, autosomal recessive 18B	Autosomal recessive
Hearing Disorder	OTOGL	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	PDZD7	Deafness, autosomal recessive 57	Autosomal recessive
Hearing Disorder	PJVK	Hearing loss	Autosomal recessive
Hearing Disorder	POU3F4	Hearing loss	X-linked recessive
Hearing Disorder	POU4F3	Deafness, autosomal dominant 15	Autosomal dominant
Hearing Disorder	PTPRQ	Deafness, autosomal recessive 84A	Autosomal recessive
Hearing Disorder	RDX	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	SLC17A8	Hearing loss	Autosomal dominant
Hearing Disorder	SLC26A4	Pendred syndrome	Autosomal recessive
Hearing Disorder	SMPX	Hearing loss	X-linked dominant
Hearing Disorder	STRC	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	TBC1D24	Deafness, autosomal dominant 65	Autosomal dominant
Hearing Disorder	TECTA	Sensorineural hearing loss	Autosomal recessive
Hearing Disorder	TECTA	Sensorineural hearing loss	Autosomal dominant
Hearing Disorder	TMC1	Sensorineural hearing loss	Autosomal dominant; Autosomal recessive
Hearing Disorder	TMIE	Hearing loss	Autosomal recessive
Hearing Disorder	TMPRSS3	Hearing loss	Autosomal recessive
Hearing Disorder	TPRN	Deafness, autosomal recessive 79	Autosomal recessive
Hearing Disorder	TRIOBP	Sensorineural hearing loss	Autosomal recessive
Hematologic Disorder	ADAMTS13	Thrombotic thrombocytopenic purpura, familial	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Hematologic Disorder	AK1	Hemolytic anemia due to adenylate kinase deficiency	Autosomal recessive
Hematologic Disorder	ALAS2	Sideroblastic anemia	X-linked recessive
Hematologic Disorder	ALAS2	Erythropoietic protoporphyria	X-linked dominant
Hematologic Disorder	ANK1	Spherocytosis, type 1	Autosomal dominant
Hematologic Disorder	ANKRD26	Thrombocytopenia 2	Autosomal dominant
Hematologic Disorder	CD36	Platelet glycoprotein IV deficiency	Autosomal recessive
Hematologic Disorder	CDAN1	Dyserythropoietic anemia, congenital, type Ia	Autosomal recessive
Hematologic Disorder	EGLN1	Erythrocytosis, familial, 3	Autosomal dominant
Hematologic Disorder	EPAS1	Erythrocytosis, familial, 4	Autosomal dominant
Hematologic Disorder	F10	Factor X deficiency	Autosomal recessive
Hematologic Disorder	F11	Hereditary factor XI deficiency disease	Autosomal dominant; Autosomal recessive
Hematologic Disorder	F12	Factor XII deficiency	Autosomal recessive
Hematologic Disorder	F12	Angioedema, hereditary, type III	Autosomal dominant
Hematologic Disorder	F13A1	Factor XIIIa deficiency	Autosomal recessive
Hematologic Disorder	F13B	Factor XIIIb deficiency	Autosomal recessive
Hematologic Disorder	F2	Factor II deficiency	Autosomal recessive
Hematologic Disorder	F2	Thrombophilia due to thrombin defect	Autosomal dominant
Hematologic Disorder	F5	Factor V deficiency	Autosomal recessive
Hematologic Disorder	F5	Thrombophilia, susceptibility to, due to factor V Leiden	Autosomal dominant
Hematologic Disorder	F7	Factor VII deficiency	Autosomal recessive
Hematologic Disorder	F8	Hemophilia A	X-linked recessive
Hematologic Disorder	F9	Hemophilia B	X-linked recessive
Hematologic Disorder	FGA	Afibrinogenemia, congenital	Autosomal recessive
Hematologic Disorder	FGB	Afibrinogenemia, congenital	Autosomal recessive
Hematologic Disorder	FGG	Afibrinogenemia, congenital; Hypofibrinogenemia, congenital	Autosomal recessive
Hematologic Disorder	G6PD	Hemolytic anemia due to G6PD deficiency	X-linked dominant
Hematologic Disorder	GATA1	Anemia, X-linked, with/without neutropenia and/or platelet abnormalities; Thrombocytopenia with beta-thalassemia, X-linked; Thrombocytopenia, X-linked, with or without dyserythropoietic anemia	X-linked recessive
Hematologic Disorder	GGCX	Vitamin K-dependent clotting factors, combined deficiency of, 1	Autosomal recessive
Hematologic Disorder	GP1BA	Bernard-Soulier syndrome, type A1 (recessive)	Autosomal recessive
Hematologic Disorder	GP9	Bernard-Soulier syndrome, type C	Autosomal recessive
Hematologic Disorder	GSS	Glutathione synthetase deficiency	Autosomal recessive
Hematologic Disorder	HBA1	Thalassemias, alpha-	Autosomal recessive
Hematologic Disorder	HBA2	Thalassemia, alpha-	Autosomal recessive
Hematologic Disorder	HBB	Sickle cell anemia; beta Thalassemia	Autosomal recessive
Hematologic Disorder	HBD	Thalassemia, delta-	Autosomal recessive
Hematologic Disorder	HK1	Hemolytic anemia due to hexokinase deficiency	Autosomal recessive
Hematologic Disorder	HMBS	Porphyria, acute intermittent	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Hematologic Disorder	ITGA2B	Glanzmann thrombasthenia	Autosomal recessive
Hematologic Disorder	ITGB3	Glanzmann thrombasthenia	Autosomal recessive
Hematologic Disorder	KLKB1	Fletcher factor (prekallikrein) deficiency	Autosomal recessive
Hematologic Disorder	LBR	Pelger-Huet anomaly	Autosomal dominant
Hematologic Disorder	LMAN1	Combined factor V and VIII deficiency	Autosomal recessive
Hematologic Disorder	MPL	Thrombocytopenia, congenital amegakaryocytic	Autosomal recessive
Hematologic Disorder	MPL	Thrombocythemia 2	Autosomal dominant
Hematologic Disorder	NBEAL2	Gray platelet syndrome	Autosomal recessive
Hematologic Disorder	NT5C3A	Anemia, hemolytic, due to UMPH1 deficiency	Autosomal recessive
Hematologic Disorder	PKLR	Pyruvate kinase deficiency	Autosomal recessive
Hematologic Disorder	PPOX	Porphyria variegata	Autosomal dominant
Hematologic Disorder	PROC	Hereditary protein C deficiency	Autosomal dominant
Hematologic Disorder	PROS1	Hereditary protein S deficiency	Autosomal dominant
Hematologic Disorder	RASA1	Capillary malformation-arteriovenous malformation	Autosomal dominant
Hematologic Disorder	RPL11	Diamond-Blackfan anemia 7	Autosomal dominant
Hematologic Disorder	RPL5	Diamond-Blackfan anemia 6	Autosomal dominant
Hematologic Disorder	RPS10	Diamond-Blackfan anemia 9	Autosomal dominant
Hematologic Disorder	RPS19	Diamond-Blackfan anemia 1	Autosomal dominant
Hematologic Disorder	RPS24	Diamond-blackfan anemia 3	Autosomal dominant
Hematologic Disorder	RPS26	Diamond-Blackfan anemia 10	Autosomal dominant
Hematologic Disorder	RPS7	Diamond-Blackfan anemia 8	Autosomal dominant
Hematologic Disorder	SEC23B	Dyserythropoietic anemia, congenital, type II	Autosomal recessive
Hematologic Disorder	SERPINC1	Thrombophilia due to antithrombin III deficiency	Autosomal dominant
Hematologic Disorder	SERPINE1	Plasminogen activator inhibitor-1 deficiency	Autosomal recessive
Hematologic Disorder	SLC19A2	Thiamine-responsive megaloblastic anemia syndrome	Autosomal recessive
Hematologic Disorder	SLC25A38	Anemia, sideroblastic, 2, pyridoxine-refractory	Autosomal recessive
Hematologic Disorder	SLC4A1	Spherocytosis, type 4	Autosomal dominant
Hematologic Disorder	SPTA1	Elliptocytosis-2	Autosomal dominant
Hematologic Disorder	SPTB	Elliptocytosis-3; Spherocytosis, type 2	Autosomal dominant
Hematologic Disorder	THBD	Thrombophilia due to thrombomodulin defect	Autosomal dominant
Hematologic Disorder	THPO	Thrombocythemia 1	Autosomal dominant
Hematologic Disorder	TMPRSS6	Iron-refractory iron deficiency anemia	Autosomal recessive
Hematologic Disorder	UROD	Porphyria cutanea tarda	Autosomal dominant
Hematologic Disorder	UROS	Porphyria, congenital erythropoietic	Autosomal recessive
Hematologic Disorder	VHL	Erythrocytosis, familial, 2	Autosomal recessive
Hematologic Disorder	VWF	von Willebrand disease, type 1; von Willebrand disease, types 2A, 2B, 2M, and 2N	Autosomal dominant
Hematologic Disorder	VWF	von Willebrand disease, types 2A, 2B, 2M, and 2N; von Willibrand disease, type 3	Autosomal recessive
Hematologic Disorder	VWF	von Willebrand disease, types 2A, 2B, 2M, and 2N	Autosomal recessive

GENE LIST FOR HEREDITARY DISEASE RISK

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Hematologic Disorder	WAS	Neutropenia, severe congenital, X-linked; Thrombocytopenia, X-linked; Wiskott-Aldrich syndrome	X-linked recessive
Hereditary Cancer	ALK	Neuroblastoma, susceptibility to, 3	Autosomal dominant
Hereditary Cancer	APC	Adenomatous polyposis coli	Autosomal dominant
Hereditary Cancer	ATM	Susceptibility to breast cancer; Ataxia-telangiectasia	Autosomal dominant; Autosomal recessive
Hereditary Cancer	AXIN2	Oligodontia-colorectal cancer syndrome	Autosomal dominant
Hereditary Cancer	BAP1	Tumor predisposition syndrome	Autosomal dominant
Hereditary Cancer	BARD1	Hereditary breast and ovarian cancer syndrome	Autosomal dominant
Hereditary Cancer	BMPR1A	Polyposis, juvenile intestinal	Autosomal dominant
Hereditary Cancer	BRCA1	Hereditary breast and ovarian cancer syndrome	Autosomal dominant
Hereditary Cancer	BRCA2	Hereditary breast and ovarian cancer syndrome	Autosomal dominant
Hereditary Cancer	BRIP1	Genetic susceptibility to cancer	Autosomal dominant
Hereditary Cancer	CDC73	Hyperparathyroidism-jaw tumor syndrome	Autosomal dominant
Hereditary Cancer	CDH1	Hereditary diffuse carcinoma of stomach	Autosomal dominant
Hereditary Cancer	CDK4	Melanoma, cutaneous malignant, 3	Autosomal dominant
Hereditary Cancer	CDKN1B	Multiple endocrine neoplasia, type IV	Autosomal dominant
Hereditary Cancer	CDKN2A	Melanoma, cutaneous malignant, 2	Autosomal dominant
Hereditary Cancer	CEBPA	Leukemia, acute myeloid, susceptibility to	Autosomal dominant
Hereditary Cancer	CHEK2	Breast cancer, susceptibility to	Autosomal dominant
Hereditary Cancer	CYLD	Brooke-Spiegler syndrome	Autosomal dominant
Hereditary Cancer	DDX41	Myeloproliferative/lymphoproliferative neoplasms, familial (multiple types), susceptibility to	Autosomal dominant
Hereditary Cancer	DICER1	Pleuropulmonary blastoma	Autosomal dominant
Hereditary Cancer	EGFR	Nonsmall cell lung cancer, susceptibility to	Autosomal dominant
Hereditary Cancer	EPCAM	Colorectal cancer, hereditary nonpolyposis, type 8	Autosomal dominant
Hereditary Cancer	ETV6	Thrombocytopenia 5	Autosomal dominant
Hereditary Cancer	FANCA	Fanconi anemia, complementation group A	Autosomal recessive
Hereditary Cancer	FANCB	Fanconi anemia, complementation group B	X-linked
Hereditary Cancer	FANCC	Fanconi anemia, complementation group C	Autosomal recessive
Hereditary Cancer	FANCD2	Fanconi anemia, complementation group D2	Autosomal recessive
Hereditary Cancer	FANCE	Fanconi anemia, complementation group E	Autosomal recessive
Hereditary Cancer	FANCF	Fanconi anemia, complementation group F	Autosomal recessive
Hereditary Cancer	FANCG	Fanconi anemia, complementation group G	Autosomal recessive
Hereditary Cancer	FANCI	Fanconi anemia, complementation group I	Autosomal recessive
Hereditary Cancer	FANCL	Fanconi anemia, complementation group L	Autosomal recessive
Hereditary Cancer	FANCM	Breast cancer susceptibility	Autosomal dominant
Hereditary Cancer	FH	Leiomyomatosis and renal cell cancer	Autosomal dominant
Hereditary Cancer	FLCN	Birt-Hogg-Dube syndrome	Autosomal dominant
Hereditary Cancer	GATA2	Emberger syndrome	Autosomal dominant
Hereditary Cancer	GPC3	Simpson-Golabi-Behmel syndrome, type 1	X-linked recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Hereditary Cancer	HOXB13	Prostate cancer	Autosomal dominant
Hereditary Cancer	KIT	Gastrointestinal stromal tumor, familial	Autosomal dominant
Hereditary Cancer	MAX	Pheochromocytoma, susceptibility to	Autosomal dominant
Hereditary Cancer	MEN1	Multiple endocrine neoplasia 1	Autosomal dominant
Hereditary Cancer	MET	Renal cell carcinoma, papillary	Autosomal dominant
Hereditary Cancer	MITF	Melanoma, cutaneous malignant, susceptibility to, 8	Autosomal dominant
Hereditary Cancer	MLH1	Lynch syndrome	Autosomal dominant
Hereditary Cancer	MLH3	Lynch syndrome	Autosomal recessive
Hereditary Cancer	MSH2	Lynch syndrome	Autosomal dominant
Hereditary Cancer	MSH3	Familial adenomatous polyposis 4	Autosomal recessive
Hereditary Cancer	MSH6	Lynch syndrome	Autosomal dominant
Hereditary Cancer	MTAP	Diaphyseal medullary stenosis with malignant fibrous histiocytoma	Autosomal dominant
Hereditary Cancer	MUTYH	MYH-associated polyposis	Autosomal recessive
Hereditary Cancer	NBN	Breast cancer susceptibility; Nijmegen breakage syndrome	Autosomal dominant; Autosomal recessive
Hereditary Cancer	NF1	Neurofibromatosis, type 1	Autosomal dominant
Hereditary Cancer	NF2	Neurofibromatosis, type 2	Autosomal dominant
Hereditary Cancer	NTHL1	Familial adenomatous polyposis 3	Autosomal recessive
Hereditary Cancer	PALB2	Breast cancer, susceptibility to	Autosomal dominant
Hereditary Cancer	PHOX2B	Neuroblastoma, susceptibility to, 2	Autosomal dominant
Hereditary Cancer	PMS2	Lynch syndrome	Autosomal dominant
Hereditary Cancer	POLD1	Colorectal cancer, susceptibility to, 10	Autosomal dominant
Hereditary Cancer	POLE	Colorectal cancer, susceptibility to, 12	Autosomal dominant
Hereditary Cancer	POLH	Xeroderma pigmentosum, variant type	Autosomal recessive
Hereditary Cancer	POT1	Glioma susceptibility 9; Melanoma, cutaneous malignant, susceptibility to, 10	Autosomal dominant
Hereditary Cancer	PTCH1	Basal cell nevus syndrome	Autosomal dominant
Hereditary Cancer	PTEN	PTEN hamartoma tumor syndrome	Autosomal dominant
Hereditary Cancer	PTPN11	Noonan syndrome 1	Autosomal dominant
Hereditary Cancer	RAD51	Breast cancer, susceptibility to	Autosomal dominant
Hereditary Cancer	RAD51C	Breast-ovarian cancer, familial, susceptibility to, 3	Autosomal dominant
Hereditary Cancer	RAD51D	Breast-ovarian cancer, familial, susceptibility to, 4	Autosomal dominant
Hereditary Cancer	RB1	Retinoblastoma	Autosomal dominant
Hereditary Cancer	RET	Medullary thyroid carcinoma; Multiple endocrine neoplasia IIA; Multiple endocrine neoplasia IIB	Autosomal dominant
Hereditary Cancer	RNF43	Sessile serrated polyposis cancer syndrome	Autosomal dominant
Hereditary Cancer	RUNX1	Leukemia, acute myeloid; Platelet disorder, familial, with associated myeloid malignancy	Autosomal dominant
Hereditary Cancer	SDHA	Paragangliomas 5	Autosomal dominant
Hereditary Cancer	SDHAF2	Paragangliomas 2	Autosomal dominant
Hereditary Cancer	SDHB	Paragangliomas 4	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Hereditary Cancer	SDHC	Paragangliomas 3	Autosomal dominant
Hereditary Cancer	SDHD	Paragangliomas 1, with or without deafness	Autosomal dominant
Hereditary Cancer	SLX4	Fanconi anemia, complementation group P	Autosomal recessive
Hereditary Cancer	SMAD4	Juvenile polyposis syndrome; Juvenile polyposis/hereditary hemorrhagic telangiectasia syndrome	Autosomal dominant
Hereditary Cancer	SMARCA4	Rhabdoid tumor predisposition syndrome 2	Autosomal dominant
Hereditary Cancer	SMARCB1	Rhabdoid predisposition syndrome 1	Autosomal dominant
Hereditary Cancer	STK11	Peutz-Jeghers syndrome	Autosomal dominant
Hereditary Cancer	SUFU	Basal cell nevus syndrome; Medulloblastoma, desmoplastic	Autosomal dominant
Hereditary Cancer	TINF2	Dyskeratosis congenita, autosomal dominant 3	Autosomal dominant
Hereditary Cancer	TP53	Li-Fraumeni syndrome	Autosomal dominant
Hereditary Cancer	TSC1	Tuberous sclerosis-1	Autosomal dominant
Hereditary Cancer	TSC2	Tuberous sclerosis-2	Autosomal dominant
Hereditary Cancer	VHL	von Hippel-Lindau syndrome	Autosomal dominant
Hereditary Cancer	WT1	Wilms tumor, type 1	Autosomal dominant
Hereditary Cancer	XRCC2	Breast cancer susceptibility	Autosomal dominant
Hereditary Cancer	XRCC3	Breast cancer, susceptibility to	Autosomal dominant
Immunological Disorder	ADA	Adenosine deaminase deficiency, partial; Severe combined immunodeficiency due to ADA deficiency	Autosomal recessive
Immunological Disorder	AICDA	Immunodeficiency with hyper-IgM, type 2	Autosomal recessive
Immunological Disorder	AICDA	Immunodeficiency with hyper-IgM, type 2	Autosomal dominant
Immunological Disorder	AIRE	Autoimmune polyendocrinopathy syndrome , type I, with or without reversible metaphyseal dysplasia	Autosomal recessive
Immunological Disorder	BTK	Agammaglobulinemia, X-linked 1	X-linked recessive
Immunological Disorder	C1QA	C1q deficiency	Autosomal recessive
Immunological Disorder	C1QC	C1q deficiency	Autosomal recessive
Immunological Disorder	C3	C3 deficiency	Autosomal recessive
Immunological Disorder	C5	C5 deficiency	Autosomal dominant
Immunological Disorder	C7	C7 deficiency	Autosomal recessive
Immunological Disorder	C8B	C8 deficiency, type II	Autosomal recessive
Immunological Disorder	C9	C9 deficiency	Autosomal recessive
Immunological Disorder	CARD11	Immunodeficiency 11	Autosomal recessive
Immunological Disorder	CARD9	Familial chronic mucocutaneous candidiasis	Autosomal recessive
Immunological Disorder	CD3D	Immunodeficiency 19	Autosomal recessive
Immunological Disorder	CD3E	Immunodeficiency 18; Immunodeficiency 18, SCID variant	Autosomal recessive
Immunological Disorder	CD3G	Immunodeficiency 17, CD3 gamma deficient	Autosomal recessive
Immunological Disorder	CD40	Immunodeficiency with hyper-IgM, type 3	Autosomal recessive
Immunological Disorder	CD40LG	Immunodeficiency, X-linked, with hyper-IgM	X-linked recessive
Immunological Disorder	CD79A	Agammaglobulinemia 3	Autosomal recessive
Immunological Disorder	CDCA7	Immunodeficiency-centromeric instability-facial anomalies syndrome 3	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Immunological Disorder	CFI	Hemolytic uremic syndrome, atypical, susceptibility to, 3	Autosomal dominant
Immunological Disorder	CFP	Properdin deficiency, X-linked	X-linked recessive
Immunological Disorder	CIITA	Bare lymphocyte syndrome, type II, complementation group A	Autosomal recessive
Immunological Disorder	CORO1A	Immunodeficiency 8	Autosomal recessive
Immunological Disorder	CR2	Immunodeficiency, common variable, 7	Autosomal recessive
Immunological Disorder	CRYBB3	Cataract 22	Autosomal recessive
Immunological Disorder	CSF3R	Congenital neutropenia	Autosomal recessive
Immunological Disorder	CTLA4	Autoimmune lymphoproliferative syndrome, type V; Systemic lupus erythematosus, susceptibility to	Autosomal dominant
Immunological Disorder	CTPS1	Immunodeficiency 24	Autosomal recessive
Immunological Disorder	CXCR4	WHIM syndrome	Autosomal dominant
Immunological Disorder	CYBA	Chronic granulomatous disease	Autosomal recessive
Immunological Disorder	CYBB	Chronic granulomatous disease, X-linked; Immunodeficiency 34, mycobacteriosis, X-linked	X-linked recessive
Immunological Disorder	DCLRE1C	Omenn syndrome; Severe combined immunodeficiency, Athabaskan type	Autosomal recessive
Immunological Disorder	DNMT3B	Immunodeficiency-centromeric instability-facial anomalies syndrome 1	Autosomal recessive
Immunological Disorder	DOCK2	Immunodeficiency 40	Autosomal recessive
Immunological Disorder	DOCK8	Severe combined immunodeficiency disease	Autosomal recessive
Immunological Disorder	ELANE	Congenital neutropenia; Neutropenia, cyclic	Autosomal dominant
Immunological Disorder	FAS	Autoimmune lymphoproliferative syndrome, type IA	Autosomal dominant
Immunological Disorder	FCGR3A	Immunodeficiency 20	Autosomal recessive
Immunological Disorder	FERMT3	Leukocyte adhesion deficiency, type III	Autosomal recessive
Immunological Disorder	FOXN1	T-cell immunodeficiency, congenital alopecia, and nail dystrophy	Autosomal recessive
Immunological Disorder	FOXP3	Immunodysregulation, polyendocrinopathy, and enteropathy, X-linked	X-linked recessive
Immunological Disorder	G6PC3	Congenital neutropenia; Dursun syndrome	Autosomal recessive
Immunological Disorder	HAX1	Congenital neutropenia	Autosomal recessive
Immunological Disorder	ICOS	Immunodeficiency, common variable, 1	Autosomal recessive
Immunological Disorder	IFIH1	Aicardi-Goutieres syndrome 7; Singleton-Merten syndrome 1	Autosomal dominant
Immunological Disorder	IFNGR1	Immunodeficiency disorder	Autosomal dominant
Immunological Disorder	IFNGR2	Immunodeficiency 28, mycobacteriosis	Autosomal recessive
Immunological Disorder	IKBKB	Immunodeficiency 15	Autosomal recessive
Immunological Disorder	IKZF1	Immunodeficiency, common variable, 13	Autosomal dominant
Immunological Disorder	IL12B	Immunodeficiency 29, mycobacteriosis	Autosomal recessive
Immunological Disorder	IL12RB1	Immunodeficiency 30	Autosomal recessive
Immunological Disorder	IL17RA	Immunodeficiency 51	Autosomal recessive
Immunological Disorder	IL17RC	Candidiasis, familial, 9	Autosomal recessive
Immunological Disorder	IL1RN	Interleukin 1 receptor antagonist deficiency	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Immunological Disorder	IL21R	Immunodeficiency, primary, autosomal recessive, IL21R-related	Autosomal recessive
Immunological Disorder	IL2RA	Immunodeficiency 41 with lymphoproliferation and autoimmunity	Autosomal recessive
Immunological Disorder	IL2RG	Combined immunodeficiency disease; Severe combined immunodeficiency disease	X-linked recessive
Immunological Disorder	IL7R	Severe combined immunodeficiency disease	Autosomal recessive
Immunological Disorder	IRAK4	IRAK4 deficiency; Invasive pneumococcal disease, recurrent isolated, 1	Autosomal recessive
Immunological Disorder	IRF8	Immunodeficiency 32A, mycobacteriosis, autosomal dominant	Autosomal dominant
Immunological Disorder	ISG15	Immunodeficiency 38	Autosomal recessive
Immunological Disorder	ITGB2	Leukocyte adhesion deficiency	Autosomal recessive
Immunological Disorder	JAK3	SCID, autosomal recessive, T-negative/B-positive type	Autosomal recessive
Immunological Disorder	LRBA	Immunodeficiency, common variable, 8, with autoimmunity	Autosomal recessive
Immunological Disorder	MAGT1	Immunodeficiency, X-linked, with magnesium defect, Epstein-Barr virus infection and neoplasia	X-linked recessive
Immunological Disorder	MALT1	Immunodeficiency 12	Autosomal recessive
Immunological Disorder	MCM4	Natural killer cell and glucocorticoid deficiency with DNA repair defect	Autosomal recessive
Immunological Disorder	MSN	Immunodeficiency 50	X-linked recessive
Immunological Disorder	NCF1	Chronic granulomatous disease due to deficiency of NCF-1	Autosomal recessive
Immunological Disorder	NCF2	Chronic granulomatous disease due to deficiency of NCF-2	Autosomal recessive
Immunological Disorder	NDUFV2	Mitochondrial complex I deficiency	Autosomal recessive
Immunological Disorder	NFKB1	Immunodeficiency, common variable, 12	Autosomal dominant
Immunological Disorder	NFKB2	Immunodeficiency, common variable, 10	Autosomal dominant
Immunological Disorder	NLRP12	Familial cold autoinflammatory syndrome 2	Autosomal dominant
Immunological Disorder	NSMCE3	Lung disease, immunodeficiency, and chromosome breakage syndrome	Autosomal recessive
Immunological Disorder	ORAI1	Immunodeficiency 9	Autosomal recessive
Immunological Disorder	PGM3	Immunodeficiency 23	Autosomal recessive
Immunological Disorder	PIK3CD	Immunodeficiency 14	Autosomal dominant
Immunological Disorder	PNP	Immunodeficiency due to purine nucleoside phosphorylase deficiency	Autosomal recessive
Immunological Disorder	PTPRC	Severe combined immunodeficiency disease	Autosomal recessive
Immunological Disorder	RAB27A	GrisCELLI syndrome, type 2	Autosomal recessive
Immunological Disorder	RAC2	Neutrophil immunodeficiency syndrome	Autosomal dominant
Immunological Disorder	RAG1	Omenn syndrome; Severe combined immunodeficiency, B cell-negative	Autosomal recessive
Immunological Disorder	RAG2	Omenn syndrome; Severe combined immunodeficiency, B cell-negative	Autosomal recessive
Immunological Disorder	RFX5	Bare lymphocyte syndrome, type II, complementation group C; Bare lymphocyte syndrome, type II, complementation group E	Autosomal recessive
Immunological Disorder	RFXANK	MHC class II deficiency, complementation group B	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Immunological Disorder	RFXAP	Bare lymphocyte syndrome, type II, complementation group D	Autosomal recessive
Immunological Disorder	RORC	Immunodeficiency 42	Autosomal recessive
Immunological Disorder	SH2D1A	Lymphoproliferative syndrome, X-linked, 1	X-linked recessive
Immunological Disorder	SLC29A3	Histiocytosis-lymphadenopathy plus syndrome	Autosomal recessive
Immunological Disorder	SP110	Hepatic venoocclusive disease with immunodeficiency	Autosomal recessive
Immunological Disorder	STAT1	Immunodeficiency 31A, mycobacteriosis, autosomal dominant	Autosomal dominant
Immunological Disorder	STAT2	Immunodeficiency 44	Autosomal recessive
Immunological Disorder	STAT3	Hyper-IgE recurrent infection syndrome	Autosomal dominant
Immunological Disorder	STAT3	Autoimmune disease, multisystem, infantile-onset, 1	Autosomal dominant
Immunological Disorder	STAT5B	Growth hormone insensitivity with immunodeficiency	Autosomal dominant
Immunological Disorder	STIM1	Immunodeficiency 10	Autosomal recessive
Immunological Disorder	STX11	Hemophagocytic lymphohistiocytosis, familial, 4	Autosomal recessive
Immunological Disorder	STXBP2	Hemophagocytic lymphohistiocytosis, familial, 5	Autosomal recessive
Immunological Disorder	TLR7	Systemic lupus erythematosus	X-linked dominant
Immunological Disorder	TNFAIP3	Autoinflammatory syndrome, familial, Behcet-like	Autosomal dominant
Immunological Disorder	TNFRSF13B	Immunodeficiency, common variable, 2	Autosomal recessive
Immunological Disorder	TNFRSF1A	TNF receptor-associated periodic fever syndrome (TRAPS)	Autosomal dominant
Immunological Disorder	TYK2	Immunodeficiency 35	Autosomal recessive
Immunological Disorder	UNC13D	Hemophagocytic lymphohistiocytosis, familial, 3	Autosomal recessive
Immunological Disorder	UNG	Immunodeficiency with hyper IgM, type 5	Autosomal recessive
Immunological Disorder	XIAP	Lymphoproliferative syndrome, X-linked, 2	X-linked recessive
Immunological Disorder	ZAP70	Autoimmune disease, multisystem, infantile-onset, 2; Immunodeficiency 48	Autosomal recessive
Kidney Disorder	ACE	Renal tubular dysgenesis	Autosomal recessive
Kidney Disorder	AGT	Renal tubular dysgenesis	Autosomal recessive
Kidney Disorder	ACTR1	Renal tubular dysgenesis	Autosomal recessive
Kidney Disorder	AGXT	Hyperoxaluria, primary, type 1	Autosomal recessive
Kidney Disorder	ANKS6	Nephronophthisis 16	Autosomal recessive
Kidney Disorder	ANLN	Focal segmental glomerulosclerosis 8	Autosomal dominant
Kidney Disorder	AQP2	Diabetes insipidus, nephrogenic	Autosomal dominant
Kidney Disorder	AVPR2	Diabetes insipidus, nephrogenic	X-linked recessive
Kidney Disorder	BSND	Bartter syndrome, type 4a	Autosomal recessive
Kidney Disorder	CA2	Osteopetrosis, autosomal recessive 3, with renal tubular acidosis	Autosomal recessive
Kidney Disorder	CEP83	Nephronophthisis 18	Autosomal recessive
Kidney Disorder	CFHR5	Nephropathy due to CFHR5 deficiency	Autosomal dominant
Kidney Disorder	CLCN5	Dent disease	X-linked recessive
Kidney Disorder	CLCNKB	Bartter syndrome, type 3	Autosomal recessive
Kidney Disorder	CLDN16	Hypomagnesemia 3, renal	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Kidney Disorder	DCDC2	Nephronophthisis 19	Autosomal recessive
Kidney Disorder	FAN1	Interstitial nephritis, karyomegalic	Autosomal recessive
Kidney Disorder	GANAB	Polycystic kidney disease 3	Autosomal dominant
Kidney Disorder	GRHPR	Hyperoxaluria, primary, type II	Autosomal recessive
Kidney Disorder	INF2	Charcot-Marie-Tooth disease, dominant intermediate E; Glomerulosclerosis, focal segmental, 5	Autosomal dominant
Kidney Disorder	INVS	Nephronophthisis 2, infantile	Autosomal recessive
Kidney Disorder	KCNJ1	Bartter syndrome, type 2	Autosomal recessive
Kidney Disorder	LAMB2	Pierson syndrome	Autosomal recessive
Kidney Disorder	LPIN1	Myoglobinuria, acute recurrent, autosomal recessive	Autosomal recessive
Kidney Disorder	NOS1AP	Nephrotic syndrome	Autosomal recessive
Kidney Disorder	NPHP4	Nephronophthisis 4	Autosomal recessive
Kidney Disorder	NPHS1	Nephrotic syndrome, type 1	Autosomal recessive
Kidney Disorder	NPHS2	Nephrotic syndrome, type 2	Autosomal recessive
Kidney Disorder	NR3C2	Pseudohypoaldosteronism, type 1	Autosomal dominant
Kidney Disorder	OCRL	Dent disease 2; Lowe syndrome	X-linked recessive
Kidney Disorder	PAX2	Glomerulosclerosis, focal segmental, 7; Papillorenal syndrome	Autosomal dominant
Kidney Disorder	PKD1	Polycystic kidney disease, adult type I	Autosomal dominant
Kidney Disorder	PKD2	Polycystic kidney disease 2	Autosomal dominant
Kidney Disorder	PKHD1	Multiple congenital cysts of kidney	Autosomal recessive
Kidney Disorder	PLCE1	Nephrotic syndrome, type 3	Autosomal recessive
Kidney Disorder	REN	Renal tubular dysgenesis	Autosomal recessive
Kidney Disorder	SCNN1A	Pseudohypoaldosteronism, type I	Autosomal recessive
Kidney Disorder	SCNN1B	Liddle syndrome	Autosomal dominant
Kidney Disorder	SCNN1B	Pseudohypoaldosteronism, type I	Autosomal recessive
Kidney Disorder	SCNN1G	Liddle syndrome	Autosomal dominant
Kidney Disorder	SLC12A1	Bartter syndrome, type 1	Autosomal recessive
Kidney Disorder	SLC12A3	Gitelman syndrome	Autosomal recessive
Kidney Disorder	SLC22A12	Hypouricemia, renal	Autosomal recessive
Kidney Disorder	SLC2A9	Hypouricemia, renal, 2	Autosomal recessive
Kidney Disorder	SLC3A1	Cystinuria	Autosomal recessive
Kidney Disorder	SLC5A2	Renal glucosuria	Autosomal recessive
Kidney Disorder	SLC7A9	Cystinuria	Autosomal recessive
Kidney Disorder	TBX18	Congenital anomalies of kidney and urinary tract 2	Autosomal dominant
Kidney Disorder	TRPC6	Glomerulosclerosis, focal segmental, 2	Autosomal dominant
Kidney Disorder	XDH	Xanthinuria, type I	Autosomal recessive
Liver Disorder	ABCB11	Cholestasis, progressive familial intrahepatic 2	Autosomal recessive
Liver Disorder	ABCB4	Cholestasis, progressive familial intrahepatic 3	Autosomal recessive
Liver Disorder	ABCC2	Dubin-Johnson syndrome	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Liver Disorder	ATP8B1	Cholestasis, benign recurrent intrahepatic; Cholestasis, progressive familial intrahepatic 1	Autosomal recessive
Liver Disorder	DGUOK	Mitochondrial DNA depletion syndrome 3 (hepatocerebral type)	Autosomal recessive
Liver Disorder	HSD3B7	Bile acid synthesis defect, congenital, 1	Autosomal recessive
Liver Disorder	MPV17	Mitochondrial DNA depletion syndrome 6 (hepatocerebral type)	Autosomal recessive
Liver Disorder	PRKCSH	Polycystic liver disease 1	Autosomal dominant
Liver Disorder	SEC63	Polycystic liver disease 2	Autosomal dominant
Liver Disorder	TJP2	Cholestasis, progressive familial intrahepatic 4; Hypercholanemia, familial	Autosomal recessive
Liver Disorder	TRMU	Liver failure, transient infantile	Autosomal recessive
Liver Disorder	UGT1A1	Crigler-Najjar syndrome, type I; Gilbert syndrome	Autosomal recessive
Metabolic Disorder	AARS2	Combined oxidative phosphorylation deficiency 8	Autosomal recessive
Metabolic Disorder	AASS	Hyperlysinemia	Autosomal recessive
Metabolic Disorder	ABCA1	Tangier disease	Autosomal recessive
Metabolic Disorder	ABCG5	Sitosterolemia	Autosomal recessive
Metabolic Disorder	ABCG8	Sitosterolemia	Autosomal recessive
Metabolic Disorder	ABHD5	Chanarin-Dorfman syndrome	Autosomal recessive
Metabolic Disorder	ACAD8	Isobutyryl-CoA dehydrogenase deficiency	Autosomal recessive
Metabolic Disorder	ACAD9	Mitochondrial complex I deficiency due to ACAD9 deficiency	Autosomal recessive
Metabolic Disorder	ACADM	Acyl-CoA dehydrogenase, medium chain, deficiency of	Autosomal recessive
Metabolic Disorder	ACADS	Acyl-CoA dehydrogenase, short-chain, deficiency of	Autosomal recessive
Metabolic Disorder	ACADSB	2-methylbutyrylglycinuria	Autosomal recessive
Metabolic Disorder	ACADVL	VLCAD deficiency	Autosomal recessive
Metabolic Disorder	ACAT1	Alpha-methylacetoacetic aciduria	Autosomal recessive
Metabolic Disorder	ACOX1	Peroxisomal acyl-CoA oxidase deficiency	Autosomal recessive
Metabolic Disorder	ACSF3	Combined malonic and methylmalonic aciduria	Autosomal recessive
Metabolic Disorder	ACY1	Aminoacylase 1 deficiency	Autosomal recessive
Metabolic Disorder	AFP	Alpha-fetoprotein deficiency	Autosomal recessive
Metabolic Disorder	AGA	Aspartylglucosaminuria	Autosomal recessive
Metabolic Disorder	AGK	Sengers syndrome	Autosomal recessive
Metabolic Disorder	AGL	Glycogen storage disease type III	Autosomal recessive
Metabolic Disorder	ALAD	Porphyria, acute hepatic	Autosomal recessive
Metabolic Disorder	ALB	Analbuminemia	Autosomal recessive
Metabolic Disorder	ALDH6A1	Methylmalonate semialdehyde dehydrogenase deficiency	Autosomal recessive
Metabolic Disorder	ALDOB	Fructose intolerance	Autosomal recessive
Metabolic Disorder	ALG1	Congenital disorder of glycosylation, type Ik	Autosomal recessive
Metabolic Disorder	ALG11	Congenital disorder of glycosylation, type Ip	Autosomal recessive
Metabolic Disorder	ALG12	Congenital disorder of glycosylation, type Ig	Autosomal recessive
Metabolic Disorder	ALG3	Congenital disorder of glycosylation, type Id	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Metabolic Disorder	ALG6	Congenital disorder of glycosylation, type Ic	Autosomal recessive
Metabolic Disorder	AMACR	Bile acid synthesis defect, congenital, 4	Autosomal recessive
Metabolic Disorder	AP2S1	Hypocalciuric hypercalcemia, type III	Autosomal dominant
Metabolic Disorder	APOA5	Hypertriglyceridemia, susceptibility to	Autosomal dominant
Metabolic Disorder	APOB	Familial hypobetalipoproteinemia	Autosomal recessive
Metabolic Disorder	APOB	Familial hypobetalipoproteinemia	Autosomal dominant
Metabolic Disorder	APOB	Hypercholesterolemia, due to ligand-defective apo B	Autosomal dominant
Metabolic Disorder	APOB	Familial hypobetalipoproteinemia; Hypercholesterolemia, due to ligand-defective apo B	Autosomal dominant
Metabolic Disorder	APOC2	Hyperlipoproteinemia, type Ib	Autosomal recessive
Metabolic Disorder	APRT	Adenine phosphoribosyltransferase deficiency	Autosomal recessive
Metabolic Disorder	ARG1	Argininemia	Autosomal recessive
Metabolic Disorder	ASAH1	Farber lipogranulomatosis	Autosomal recessive
Metabolic Disorder	ASL	Argininosuccinic aciduria	Autosomal recessive
Metabolic Disorder	ASNS	Asparagine synthetase deficiency	Autosomal recessive
Metabolic Disorder	ASPA	Canavan disease	Autosomal recessive
Metabolic Disorder	ASS1	Citrullinemia	Autosomal recessive
Metabolic Disorder	ATP7A	Menkes disease	X-linked recessive
Metabolic Disorder	ATP7B	Wilson disease	Autosomal recessive
Metabolic Disorder	BAAT	Hypercholanemia, familial	Autosomal recessive
Metabolic Disorder	BCHE	Apnea, postanesthetic	Autosomal recessive
Metabolic Disorder	BCKDHA	Maple syrup urine disease, type Ia	Autosomal recessive
Metabolic Disorder	BCKDHB	Maple syrup urine disease, type Ib	Autosomal recessive
Metabolic Disorder	BOLA3	Multiple mitochondrial dysfunctions syndrome 2 with hyperglycinemia	Autosomal recessive
Metabolic Disorder	BTD	Biotinidase deficiency	Autosomal recessive
Metabolic Disorder	C1QB	C1q deficiency	Autosomal recessive
Metabolic Disorder	CA5A	Hyperammonemia due to carbonic anhydrase VA deficiency	Autosomal recessive
Metabolic Disorder	CLPB	3-methylglutaconic aciduria, type VII, with cataracts, neurologic involvement and neutropenia	Autosomal recessive
Metabolic Disorder	COA6	Cardioencephalomyopathy, fatal infantile, due to cytochrome c oxidase deficiency 4	Autosomal recessive
Metabolic Disorder	COG1	Congenital disorder of glycosylation, type IIg	Autosomal recessive
Metabolic Disorder	COG4	Congenital disorder of glycosylation, type IIj	Autosomal recessive
Metabolic Disorder	COG7	Congenital disorder of glycosylation, type IIe	Autosomal recessive
Metabolic Disorder	COQ4	Coenzyme Q10 deficiency, primary, 7	Autosomal recessive
Metabolic Disorder	COQ6	Coenzyme Q10 deficiency, primary, 6	Autosomal recessive
Metabolic Disorder	COX20	Mitochondrial complex IV deficiency	Autosomal recessive
Metabolic Disorder	CP	Hemosiderosis, systemic, due to aceruloplasminemia	Autosomal recessive
Metabolic Disorder	CPOX	Coproporphyrria	Autosomal dominant
Metabolic Disorder	CPS1	Carbamoylphosphate synthetase I deficiency	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Metabolic Disorder	CPT1A	CPT deficiency, hepatic, type IA	Autosomal recessive
Metabolic Disorder	CPT2	CPT II deficiency, infantile; CPT II deficiency, lethal neonatal; CPT II deficiency, myopathic, stress-induced	Autosomal recessive
Metabolic Disorder	CTH	Cystathioninuria	Autosomal recessive
Metabolic Disorder	CTSA	Galactosialidosis	Autosomal recessive
Metabolic Disorder	CUBN	Familial megaloblastic anemia	Autosomal recessive
Metabolic Disorder	CYB5R3	Methemoglobinemia, type I; Methemoglobinemia, type II	Autosomal recessive
Metabolic Disorder	CYP11A1	Adrenal insufficiency, congenital, with 46XY sex reversal, partial or complete	Autosomal recessive
Metabolic Disorder	CYP27B1	Vitamin D-dependent rickets, type I	Autosomal recessive
Metabolic Disorder	DBH	Dopamine beta-hydroxylase deficiency	Autosomal recessive
Metabolic Disorder	DBT	Maple syrup urine disease, type II	Autosomal recessive
Metabolic Disorder	DCXR	Pentosuria	Autosomal recessive
Metabolic Disorder	DHTKD1	2-aminoadipic 2-oxoadipic aciduria	Autosomal recessive
Metabolic Disorder	DLD	Dihydrolipoamide dehydrogenase deficiency	Autosomal recessive
Metabolic Disorder	DMGDH	Dimethylglycine dehydrogenase deficiency	Autosomal recessive
Metabolic Disorder	DPYD	5-fluorouracil toxicity; Dihydropyrimidine dehydrogenase deficiency	Autosomal recessive
Metabolic Disorder	DPYS	Dihydropyrimidinuria	Autosomal recessive
Metabolic Disorder	EARS2	Combined oxidative phosphorylation deficiency 12	Autosomal recessive
Metabolic Disorder	ELAC2	Combined oxidative phosphorylation deficiency 17	Autosomal recessive
Metabolic Disorder	ETFA	Glutaric acidemia IIA	Autosomal recessive
Metabolic Disorder	ETFB	Glutaric acidemia IIB	Autosomal recessive
Metabolic Disorder	ETFDH	Glutaric acidemia IIC	Autosomal recessive
Metabolic Disorder	ETHE1	Ethylmalonic encephalopathy	Autosomal recessive
Metabolic Disorder	FAH	Tyrosinemia, type I	Autosomal recessive
Metabolic Disorder	FARS2	Combined oxidative phosphorylation deficiency 14	Autosomal recessive
Metabolic Disorder	FBP1	Fructose-1,6-bisphosphatase deficiency	Autosomal recessive
Metabolic Disorder	FGF23	Tumoral calcinosis, hyperphosphatemic, familial	Autosomal recessive
Metabolic Disorder	FGF23	Hypophosphatemic rickets, autosomal dominant	Autosomal dominant
Metabolic Disorder	FH	Fumarase deficiency	Autosomal recessive
Metabolic Disorder	FLAD1	Lipid storage myopathy due to flavin adenine dinucleotide synthetase deficiency	Autosomal recessive
Metabolic Disorder	FMO3	Trimethylaminuria	Autosomal recessive
Metabolic Disorder	FOLR1	Neurodegeneration due to cerebral folate transport deficiency	Autosomal recessive
Metabolic Disorder	FTCD	Glutamate formiminotransferase deficiency	Autosomal recessive
Metabolic Disorder	FUCA1	Fucosidosis	Autosomal recessive
Metabolic Disorder	G6PC1	Glycogen storage disease Ia	Autosomal recessive
Metabolic Disorder	GAA	Glycogen storage disease II	Autosomal recessive
Metabolic Disorder	GALE	Galactose epimerase deficiency	Autosomal recessive
Metabolic Disorder	GALK1	Galactokinase deficiency with cataracts	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Metabolic Disorder	GALNS	Mucopolysaccharidosis IVA	Autosomal recessive
Metabolic Disorder	GALNT3	Tumoral calcinosis, hyperphosphatemic, familial	Autosomal recessive
Metabolic Disorder	GALT	Galactosemia	Autosomal recessive
Metabolic Disorder	GBA1	Gaucher's disease	Autosomal recessive
Metabolic Disorder	GBE1	Glycogen storage disease IV	Autosomal recessive
Metabolic Disorder	GCDH	Glutaricaciduria, type I	Autosomal recessive
Metabolic Disorder	GFM1	Combined oxidative phosphorylation deficiency 1	Autosomal recessive
Metabolic Disorder	GK	Glycerol kinase deficiency	X-linked recessive
Metabolic Disorder	GLB1	GM1-gangliosidosis, type I; GM1-gangliosidosis, type II	Autosomal recessive
Metabolic Disorder	GNA11	Hypocalcemia, autosomal dominant 2; Hypocalciuric hypercalcemia, type II	Autosomal dominant
Metabolic Disorder	GYG1	Glycogen storage disease XV; Polyglucosan body myopathy 2	Autosomal recessive
Metabolic Disorder	GYS1	Glycogen storage disease O, muscle	Autosomal recessive
Metabolic Disorder	GYS2	Glycogen storage disease O, liver	Autosomal recessive
Metabolic Disorder	HADH	3-hydroxyacyl-CoA dehydrogenase deficiency; Hyperinsulinemic hypoglycemia, familial, 4	Autosomal recessive
Metabolic Disorder	HADHA	LCHAD deficiency; Trifunctional protein deficiency	Autosomal recessive
Metabolic Disorder	HADHB	Trifunctional protein deficiency	Autosomal recessive
Metabolic Disorder	HAL	Histidinemia	Autosomal recessive
Metabolic Disorder	HAMP	Hemochromatosis, type 2B	Autosomal recessive
Metabolic Disorder	HEXA	Tay-Sachs disease	Autosomal recessive
Metabolic Disorder	HFE	Hemochromatosis	Autosomal recessive
Metabolic Disorder	HGD	Alkaptonuria	Autosomal recessive
Metabolic Disorder	HJV	Hemochromatosis, type 2A	Autosomal recessive
Metabolic Disorder	HLCS	Holocarboxylase synthetase deficiency	Autosomal recessive
Metabolic Disorder	HMGCL	HMG-CoA lyase deficiency	Autosomal recessive
Metabolic Disorder	HMGCS2	HMG-CoA synthase-2 deficiency	Autosomal recessive
Metabolic Disorder	HOGA1	Hyperoxaluria, primary, type III	Autosomal recessive
Metabolic Disorder	HPD	Tyrosinemia, type III	Autosomal recessive
Metabolic Disorder	HSD17B4	D-bifunctional protein deficiency	Autosomal recessive
Metabolic Disorder	HSD3B2	Adrenal hyperplasia, congenital, due to 3-beta-hydroxysteroid dehydrogenase 2 deficiency	Autosomal recessive
Metabolic Disorder	HTRA2	3-methylglutaconic aciduria, type VIII	Autosomal recessive
Metabolic Disorder	HYAL1	Mucopolysaccharidosis type IX	Autosomal recessive
Metabolic Disorder	ISCA2	Multiple mitochondrial dysfunctions syndrome 4	Autosomal recessive
Metabolic Disorder	IVD	Isovaleric acidemia	Autosomal recessive
Metabolic Disorder	LAMP2	Danon disease	X-linked dominant
Metabolic Disorder	LCAT	Fish-eye disease; Norum disease	Autosomal recessive
Metabolic Disorder	LDHA	Glycogen storage disease XI	Autosomal recessive
Metabolic Disorder	LIAS	Hyperglycinemia, lactic acidosis, and seizures	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Metabolic Disorder	LIPA	Cholesteryl ester storage disease; Wolman disease	Autosomal recessive
Metabolic Disorder	LIPC	Hepatic lipase deficiency	Autosomal recessive
Metabolic Disorder	LIPT1	Lipoyltransferase 1 deficiency	Autosomal recessive
Metabolic Disorder	LMBRD1	Methylmalonic aciduria and homocystinuria, cblF type	Autosomal recessive
Metabolic Disorder	LMF1	Lipase deficiency, combined	Autosomal recessive
Metabolic Disorder	LPL	Lipoprotein lipase deficiency	Autosomal recessive
Metabolic Disorder	MCCC1	3-Methylcrotonyl-CoA carboxylase 1 deficiency	Autosomal recessive
Metabolic Disorder	MCCC2	3-Methylcrotonyl-CoA carboxylase 2 deficiency	Autosomal recessive
Metabolic Disorder	MCEE	Methylmalonyl-CoA epimerase deficiency	Autosomal recessive
Metabolic Disorder	MLYCD	Malonyl-CoA decarboxylase deficiency	Autosomal recessive
Metabolic Disorder	MMADHC	Methylmalonic aciduria and homocystinuria, cblD type	Autosomal recessive
Metabolic Disorder	MMUT	Methylmalonic aciduria, mut(0) type	Autosomal recessive
Metabolic Disorder	MOCS1	Molybdenum cofactor deficiency A	Autosomal recessive
Metabolic Disorder	MOCS2	Molybdenum cofactor deficiency B	Autosomal recessive
Metabolic Disorder	MPDU1	Congenital disorder of glycosylation, type If	Autosomal recessive
Metabolic Disorder	MPI	Congenital disorder of glycosylation, type Ib	Autosomal recessive
Metabolic Disorder	MPO	Myeloperoxidase deficiency	Autosomal recessive
Metabolic Disorder	MRPS16	Combined oxidative phosphorylation deficiency 2	Autosomal recessive
Metabolic Disorder	MRPS22	Combined oxidative phosphorylation deficiency 5	Autosomal recessive
Metabolic Disorder	MTFMT	Combined oxidative phosphorylation deficiency 15	Autosomal recessive
Metabolic Disorder	MTO1	Combined oxidative phosphorylation deficiency 10	Autosomal recessive
Metabolic Disorder	MTR	Homocystinuria-megaloblastic anemia, cblG complementation type	Autosomal recessive
Metabolic Disorder	MTRFR	Combined oxidative phosphorylation deficiency 7; Spastic paraplegia 55, autosomal recessive	Autosomal recessive
Metabolic Disorder	MTRR	Homocystinuria-megaloblastic anemia, cbl E type	Autosomal recessive
Metabolic Disorder	MTTP	Abetalipoproteinemia	Autosomal recessive
Metabolic Disorder	NAGLU	Mucopolysaccharidosis type IIIB (Sanfilippo B)	Autosomal recessive
Metabolic Disorder	NAGS	N-acetylglutamate synthase deficiency	Autosomal recessive
Metabolic Disorder	NDUFA12	Leigh syndrome due to mitochondrial complex 1 deficiency	Autosomal recessive
Metabolic Disorder	NGLY1	Congenital disorder of deglycosylation	Autosomal recessive
Metabolic Disorder	NPC2	Niemann-pick disease, type C2	Autosomal recessive
Metabolic Disorder	OPLAH	5-oxoprolinase deficiency	Autosomal dominant
Metabolic Disorder	OTC	Ornithine transcarbamylase deficiency	X-linked recessive
Metabolic Disorder	OXCT1	Succinyl CoA:3-oxoacid CoA transferase deficiency	Autosomal recessive
Metabolic Disorder	PADI6	Preimplantation embryonic lethality 2	Autosomal recessive
Metabolic Disorder	PAH	Phenylketonuria	Autosomal recessive
Metabolic Disorder	PCBD1	Hyperphenylalaninemia, BH4-deficient, D	Autosomal recessive
Metabolic Disorder	PCCA	Propionicacidemia	Autosomal recessive
Metabolic Disorder	PCCB	Propionic acidemia	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Metabolic Disorder	PDHX	Lacticacidemia due to PDX1 deficiency	Autosomal recessive
Metabolic Disorder	PDP1	Pyruvate dehydrogenase phosphatase deficiency	Autosomal recessive
Metabolic Disorder	PEPD	Prolidase deficiency	Autosomal recessive
Metabolic Disorder	PFKM	Glycogen storage disease VII	Autosomal recessive
Metabolic Disorder	PGAM2	Glycogen storage disease X	Autosomal recessive
Metabolic Disorder	PGM1	Congenital disorder of glycosylation, type It	Autosomal recessive
Metabolic Disorder	PHKA1	Muscle glycogenosis	X-linked recessive
Metabolic Disorder	PHKA2	Deficiency of phosphorylase kinase	X-linked recessive
Metabolic Disorder	PHKB	Phosphorylase kinase deficiency of liver and muscle, autosomal recessive	Autosomal recessive
Metabolic Disorder	PHKG2	Glycogen storage disease IXc	Autosomal recessive
Metabolic Disorder	PHYH	Refsum disease	Autosomal recessive
Metabolic Disorder	PMM2	Congenital disorder of glycosylation, type Ia	Autosomal recessive
Metabolic Disorder	PNPO	Pyridoxamine 5'-phosphate oxidase deficiency	Autosomal recessive
Metabolic Disorder	PSPH	Phosphoserine phosphatase deficiency	Autosomal recessive
Metabolic Disorder	PTS	Hyperphenylalaninemia, BH4-deficient, A	Autosomal recessive
Metabolic Disorder	PYGL	Glycogen storage disease VI	Autosomal recessive
Metabolic Disorder	PYGM	Glycogen storage disease, type V	Autosomal recessive
Metabolic Disorder	RFT1	Congenital disorder of glycosylation, type In	Autosomal recessive
Metabolic Disorder	RMND1	Combined oxidative phosphorylation deficiency 11	Autosomal recessive
Metabolic Disorder	SCO2	Cardioencephalomyopathy, fatal infantile, due to cytochrome c oxidase deficiency 1	Autosomal recessive
Metabolic Disorder	SERAC1	3-methylglutaconic aciduria with deafness, encephalopathy, and Leigh-like syndrome	Autosomal recessive
Metabolic Disorder	SI	Sucrase-isomaltase deficiency, congenital	Autosomal recessive
Metabolic Disorder	SLC16A1	Erythrocyte lactate transporter defect; Hyperinsulinemic hypoglycemia, familial, 7; Monocarboxylate transporter 1 deficiency	Autosomal dominant
Metabolic Disorder	SLC19A3	Thiamine metabolism dysfunction syndrome 2 (biotin- or thiamine-responsive encephalopathy type 2)	Autosomal recessive
Metabolic Disorder	SLC22A5	Carnitine deficiency, systemic primary	Autosomal recessive
Metabolic Disorder	SLC25A13	Citrullinemia, adult-onset type II; Citrullinemia, type II, neonatal-onset	Autosomal recessive
Metabolic Disorder	SLC25A15	Hyperornithinemia-hyperammonemia-homocitrullinemia syndrome	Autosomal recessive
Metabolic Disorder	SLC25A20	Carnitine-acylcarnitine translocase deficiency	Autosomal recessive
Metabolic Disorder	SLC2A1	Glucose transporter protein type 1 deficiency syndrome	Autosomal dominant
Metabolic Disorder	SLC2A2	Fanconi-Bickel syndrome	Autosomal recessive
Metabolic Disorder	SLC30A10	Hypermanganesemia with dystonia 1	Autosomal recessive
Metabolic Disorder	SLC35C1	Congenital disorder of glycosylation, type IIc	Autosomal recessive
Metabolic Disorder	SLC37A4	Glycogen storage disease Ib	Autosomal recessive
Metabolic Disorder	SLC39A4	Acrodermatitis enteropathica	Autosomal recessive
Metabolic Disorder	SLC46A1	Folate malabsorption, hereditary	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Metabolic Disorder	SLC5A1	Glucose/galactose malabsorption	Autosomal recessive
Metabolic Disorder	SLC6A19	Hartnup disorder	Autosomal recessive
Metabolic Disorder	SLC6A8	Cerebral creatine deficiency syndrome 1	X-linked recessive
Metabolic Disorder	SLC7A7	Lysinuric protein intolerance	Autosomal recessive
Metabolic Disorder	SMPD1	Niemann-Pick disease, type A; Niemann-Pick disease, type B	Autosomal recessive
Metabolic Disorder	SPR	Dystonia, dopa-responsive, due to sepiapterin reductase deficiency	Autosomal recessive
Metabolic Disorder	SRD5A3	Congenital disorder of glycosylation, type Iq; Kahrizi syndrome	Autosomal recessive
Metabolic Disorder	ST3GAL5	Salt and pepper developmental regression syndrome	Autosomal recessive
Metabolic Disorder	SUCLA2	Mitochondrial DNA depletion syndrome 5 (encephalomyopathic with or without methylmalonic aciduria)	Autosomal recessive
Metabolic Disorder	SUGCT	Glutaric aciduria III	Autosomal recessive
Metabolic Disorder	SUMF1	Multiple sulfatase deficiency	Autosomal recessive
Metabolic Disorder	TALDO1	Transaldolase deficiency	Autosomal recessive
Metabolic Disorder	TANGO2	Metabolic encephalomyopathic crises, recurrent, with rhabdomyolysis, cardiac arrhythmias, and neurodegeneration	Autosomal recessive
Metabolic Disorder	TAT	Tyrosinemia, type II	Autosomal recessive
Metabolic Disorder	TCN2	Transcobalamin II deficiency	Autosomal recessive
Metabolic Disorder	TFR2	Hemochromatosis, type 3	Autosomal recessive
Metabolic Disorder	TP11	Hemolytic anemia due to triosephosphate isomerase deficiency	Autosomal recessive
Metabolic Disorder	TPK1	Thiamine metabolism dysfunction syndrome 5 (episodic encephalopathy type)	Autosomal recessive
Metabolic Disorder	UPB1	Beta-ureidopropionase deficiency	Autosomal recessive
Metabolic Disorder	UQCRB	Mitochondrial complex III deficiency, nuclear type 3	Autosomal recessive
Musculoskeletal Disorder	ACAN	Familial osteochondritis dissecans	Autosomal dominant
Musculoskeletal Disorder	ACTA1	Myopathy, actin, congenital, with cores; Myopathy, actin, congenital, with excess of thin myofilaments; Nemaline myopathy 3, autosomal dominant or recessive	Autosomal recessive
Musculoskeletal Disorder	ACVR1	Fibrodysplasia ossificans progressiva	Autosomal dominant
Musculoskeletal Disorder	AGRN	Myasthenic syndrome, congenital, 8, with pre- and postsynaptic defects	Autosomal recessive
Musculoskeletal Disorder	ALPL	Hypophosphatasia	Autosomal recessive
Musculoskeletal Disorder	AMER1	Osteopathia striata with cranial sclerosis	X-linked dominant
Musculoskeletal Disorder	ANO5	Miyoshi muscular dystrophy 3; Muscular dystrophy, limb-girdle, type 2L	Autosomal recessive
Musculoskeletal Disorder	ANO5	Gnathodiaphyseal dysplasia	Autosomal dominant
Musculoskeletal Disorder	ANTXR2	Hyaline fibromatosis syndrome	Autosomal recessive
Musculoskeletal Disorder	ARSL	Chondrodysplasia punctata	Autosomal recessive
Musculoskeletal Disorder	ATP2A1	Brody myopathy	Autosomal recessive
Musculoskeletal Disorder	B3GALNT2	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies, type A, 11)	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Musculoskeletal Disorder	B4GALT7	Ehlers-Danlos syndrome with short stature and limb anomalies	Autosomal recessive
Musculoskeletal Disorder	BIN1	Myopathy, centronuclear, autosomal recessive	Autosomal recessive
Musculoskeletal Disorder	CACNA1S	Hypokalemic periodic paralysis, type 1; Malignant hyperthermia susceptibility 5	Autosomal dominant
Musculoskeletal Disorder	CAPN3	Muscular dystrophy, limb-girdle, type 2A	Autosomal recessive
Musculoskeletal Disorder	CAV3	Muscular dystrophy, limb-girdle, type 1C	Autosomal dominant
Musculoskeletal Disorder	CCN6	Spondyloepiphyseal dysplasia tarda with progressive arthropathy	Autosomal recessive
Musculoskeletal Disorder	CFL2	Nemaline myopathy 7, autosomal recessive	Autosomal recessive
Musculoskeletal Disorder	CHKB	Muscular dystrophy, congenital, megaconial type	Autosomal recessive
Musculoskeletal Disorder	CHST14	Ehlers-Danlos syndrome, musculocontractural type 1	Autosomal recessive
Musculoskeletal Disorder	CLCN1	Myotonia congenita	Autosomal dominant; Autosomal recessive
Musculoskeletal Disorder	COL10A1	Metaphyseal chondrodysplasia, Schmid type	Autosomal dominant
Musculoskeletal Disorder	COL11A1	Marshall syndrome; Stickler syndrome, type II	Autosomal dominant
Musculoskeletal Disorder	COL1A1	Caffey disease; Ehlers-Danlos syndrome; Osteogenesis imperfecta	Autosomal dominant
Musculoskeletal Disorder	COL1A2	Ehlers-Danlos syndrome, type VIIb; Osteogenesis imperfecta	Autosomal dominant
Musculoskeletal Disorder	COL27A1	Steel syndrome	Autosomal recessive
Musculoskeletal Disorder	COL2A1	Achondrogenesis, type II or hypochondrogenesis; Kniest dysplasia; Stickler syndrome, type I	Autosomal dominant
Musculoskeletal Disorder	COL6A1	Bethlem myopathy 1; Ullrich congenital muscular dystrophy 1	Autosomal dominant; Autosomal recessive
Musculoskeletal Disorder	COL6A2	Bethlem myopathy 1; Ullrich congenital muscular dystrophy 1	Autosomal dominant; Autosomal recessive
Musculoskeletal Disorder	COL6A3	Bethlem myopathy 1; Ullrich congenital muscular dystrophy 1	Autosomal dominant; Autosomal recessive
Musculoskeletal Disorder	COL9A2	Epiphyseal dysplasia, multiple, 2	Autosomal dominant
Musculoskeletal Disorder	COL9A3	Epiphyseal dysplasia, multiple, 3, with or without myopathy	Autosomal dominant
Musculoskeletal Disorder	CRPPA	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 7	Autosomal recessive
Musculoskeletal Disorder	CRTAP	Osteogenesis imperfecta, type VII	Autosomal recessive
Musculoskeletal Disorder	CTSK	Pycnodysostosis	Autosomal recessive
Musculoskeletal Disorder	CUL7	3-M syndrome 1	Autosomal recessive
Musculoskeletal Disorder	DLL3	Spondylocostal dysostosis 1, autosomal recessive	Autosomal recessive
Musculoskeletal Disorder	DMD	Becker muscular dystrophy; Duchenne muscular dystrophy	X-linked recessive
Musculoskeletal Disorder	DNAJB6	Muscular dystrophy, limb-girdle, type 1E	Autosomal dominant
Musculoskeletal Disorder	DNM2	Myopathy, centronuclear	Autosomal dominant
Musculoskeletal Disorder	DOK7	Myasthenic syndrome, congenital, 10	Autosomal recessive
Musculoskeletal Disorder	DYM	Dygge-Melchior-Clausen disease; Smith-McCort dysplasia	Autosomal recessive
Musculoskeletal Disorder	DYSF	Miyoshi muscular dystrophy 1; Muscular dystrophy, limb-girdle, type 2B	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Musculoskeletal Disorder	EBP	Chondrodysplasia punctata, X-linked dominant; MEND syndrome	X-linked
Musculoskeletal Disorder	EFTUD2	Mandibulofacial dysostosis, Guion-Almeida type	Autosomal dominant
Musculoskeletal Disorder	EMD	Emery-Dreifuss muscular dystrophy	X-linked recessive
Musculoskeletal Disorder	ERF	Chitayat syndrome; Craniosynostosis 4	Autosomal dominant
Musculoskeletal Disorder	EVC	Ellis-van Creveld syndrome	Autosomal recessive
Musculoskeletal Disorder	EVC2	Ellis-van Creveld syndrome	Autosomal recessive
Musculoskeletal Disorder	EXT1	Exostoses, multiple, type 1	Autosomal dominant
Musculoskeletal Disorder	EXT2	Exostoses, multiple, type 2	Autosomal dominant
Musculoskeletal Disorder	FAM20C	Raine syndrome	Autosomal recessive
Musculoskeletal Disorder	FGFR3	Craniosynostosis syndrome	Autosomal dominant
Musculoskeletal Disorder	FKBP10	Bruck syndrome 1; Osteogenesis imperfecta, type XI	Autosomal recessive
Musculoskeletal Disorder	FKRP	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 5; Muscular dystrophy-dystroglycanopathy (congenital with or without impaired intellectual development), type B, 5; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 5	Autosomal recessive
Musculoskeletal Disorder	GFPT1	Myasthenia, congenital, 12, with tubular aggregates	Autosomal recessive
Musculoskeletal Disorder	GMPPB	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 14; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 14	Autosomal recessive
Musculoskeletal Disorder	GNE	Nonaka myopathy	Autosomal recessive
Musculoskeletal Disorder	GNPTG	Mucopolidosis III gamma	Autosomal recessive
Musculoskeletal Disorder	GORAB	Geroderma osteodysplasticum	Autosomal recessive
Musculoskeletal Disorder	HPGD	Cranioosteoarthropathy; Digital clubbing, isolated congenital; Pachydermoperiostosis syndrome	Autosomal recessive
Musculoskeletal Disorder	INPPL1	Opsismodysplasia	Autosomal recessive
Musculoskeletal Disorder	IRF6	Popliteal pterygium syndrome 1; van der Woude syndrome	Autosomal dominant
Musculoskeletal Disorder	KAT6B	Genitopatellar syndrome	Autosomal dominant
Musculoskeletal Disorder	LIFR	Stuve-Wiedemann syndrome/Schwartz-Jampel type 2 syndrome	Autosomal recessive
Musculoskeletal Disorder	LMOD3	Nemaline myopathy 10	Autosomal recessive
Musculoskeletal Disorder	MATN3	Epiphyseal dysplasia, multiple, 5	Autosomal dominant
Musculoskeletal Disorder	MEGF10	Myopathy, areflexia, respiratory distress, and dysphagia, early-onset; Myopathy, areflexia, respiratory distress, and dysphagia, early-onset, mild variant	Autosomal recessive
Musculoskeletal Disorder	MESP2	Spondylocostal dysostosis 2, autosomal recessive	Autosomal recessive
Musculoskeletal Disorder	MMP13	Metaphyseal anadysplasia 1	Autosomal dominant
Musculoskeletal Disorder	MMP2	Multicentric osteolysis, nodulosis, and arthropathy	Autosomal recessive
Musculoskeletal Disorder	MUSK	Myasthenic syndrome, congenital, 9, associated with acetylcholine receptor deficiency	Autosomal recessive
Musculoskeletal Disorder	MYH2	Proximal myopathy and ophthalmoplegia	Autosomal recessive
Musculoskeletal Disorder	MYOT	Muscular dystrophy, limb-girdle, type 1A	Autosomal dominant
Musculoskeletal Disorder	NEK1	Short-rib thoracic dysplasia 6 with or without polydactyly	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Musculoskeletal Disorder	OFD1	Orofaciodigital syndrome I	X-linked dominant
Musculoskeletal Disorder	P3H1	Osteogenesis imperfecta, type VIII	Autosomal recessive
Musculoskeletal Disorder	PAPSS2	Brachyolmia 4 with mild epiphyseal and metaphyseal changes	Autosomal recessive
Musculoskeletal Disorder	PCNT	Microcephalic osteodysplastic primordial dwarfism, type II	Autosomal recessive
Musculoskeletal Disorder	PEX	Hypophosphatemic rickets, X-linked dominant	X-linked dominant
Musculoskeletal Disorder	PLOD2	Bruck syndrome 2	Autosomal recessive
Musculoskeletal Disorder	PLS3	Bone mineral density QTL18, osteoporosis	X-linked dominant
Musculoskeletal Disorder	POMT1	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 1; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 1	Autosomal recessive
Musculoskeletal Disorder	POMT2	Limb-girdle muscular dystrophy	Autosomal recessive
Musculoskeletal Disorder	PPIB	Osteogenesis imperfecta, type IX	Autosomal recessive
Musculoskeletal Disorder	PTH1R	Failure of tooth eruption, primary; Metaphyseal chondrodysplasia, Murk Jansen type	Autosomal dominant
Musculoskeletal Disorder	PTPN11	Metachondromatosis	Autosomal dominant
Musculoskeletal Disorder	RAB33B	Smith-McCort dysplasia 2	Autosomal recessive
Musculoskeletal Disorder	RAI1	Smith-Magenis syndrome	Autosomal dominant
Musculoskeletal Disorder	RAPSN	Myasthenic syndrome, congenital, 11, associated with acetylcholine receptor deficiency	Autosomal recessive
Musculoskeletal Disorder	RMRP	Anauxetic dysplasia; Cartilage-hair hypoplasia	Autosomal recessive
Musculoskeletal Disorder	RUNX2	Cleidocranial dysplasia	Autosomal dominant
Musculoskeletal Disorder	RYR1	Central core disease; Malignant hyperthermia susceptibility 1	Autosomal dominant
Musculoskeletal Disorder	SCN4A	Hypokalemic periodic paralysis, type 2	Autosomal dominant
Musculoskeletal Disorder	SCN4A	Hyperkalemic periodic paralysis, type 2; Paramyotonia congenita; Potassium aggravated myotonia	Autosomal dominant
Musculoskeletal Disorder	SELENON	Muscular dystrophy, rigid spine, 1; Myopathy, congenital, with fiber-type disproportion	Autosomal recessive
Musculoskeletal Disorder	SERPINF1	Osteogenesis imperfecta, type VI	Autosomal recessive
Musculoskeletal Disorder	SERPINH1	Osteogenesis imperfecta, type X	Autosomal recessive
Musculoskeletal Disorder	SGCA	Muscular dystrophy, limb-girdle, type 2D	Autosomal recessive
Musculoskeletal Disorder	SGCG	Muscular dystrophy, limb-girdle, type 2C	Autosomal recessive
Musculoskeletal Disorder	SHH	Holoprosencephaly 3	Autosomal dominant
Musculoskeletal Disorder	SHOX	Leri-Weill dyschondrosteosis	Autosomal dominant
Musculoskeletal Disorder	SLC26A2	Achondrogenesis Ib; Atelosteogenesis II; Diastrophic dysplasia	Autosomal recessive
Musculoskeletal Disorder	SLC39A13	Spondylocheirodysplasia, Ehlers-Danlos syndrome-like	Autosomal recessive
Musculoskeletal Disorder	SMARCA1	Schimke immunoosseous dysplasia	Autosomal recessive
Musculoskeletal Disorder	SOST	Sclerosteosis 1; Van Buchem disease	Autosomal recessive
Musculoskeletal Disorder	SOX9	Campomelic dysplasia	Autosomal dominant
Musculoskeletal Disorder	STIM1	Myopathy, tubular aggregate, 1	Autosomal dominant
Musculoskeletal Disorder	SYNE2	Emery-Dreifuss muscular dystrophy 5, autosomal dominant	Autosomal dominant
Musculoskeletal Disorder	TBX5	Holt-Oram syndrome	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Musculoskeletal Disorder	TCAP	Muscular dystrophy, limb-girdle, type 2G	Autosomal recessive
Musculoskeletal Disorder	TCF12	Craniosynostosis 3	Autosomal dominant
Musculoskeletal Disorder	TCIRG1	Osteopetrosis, autosomal recessive 1	Autosomal recessive
Musculoskeletal Disorder	TCOF1	Treacher Collins syndrome 1	Autosomal dominant
Musculoskeletal Disorder	TCTN3	Orofaciodigital syndrome IV	Autosomal recessive
Musculoskeletal Disorder	TNFRSF11B	Paget disease of bone 5, juvenile-onset	Autosomal recessive
Musculoskeletal Disorder	TNNI2	Arthrogryposis multiplex congenita, distal, type 2B	Autosomal dominant
Musculoskeletal Disorder	TNXB	Ehlers-Danlos syndrome due to tenascin X deficiency	Autosomal recessive
Musculoskeletal Disorder	TPM2	Arthrogryposis multiplex congenita, distal, type 1; Arthrogryposis, distal, type 2B; CAP myopathy 2; Nemaline myopathy	Autosomal dominant
Musculoskeletal Disorder	TPM3	CAP myopathy 1; Myopathy, congenital, with fiber-type disproportion; Nemaline myopathy	Autosomal dominant
Musculoskeletal Disorder	TRAPPC2	Spondyloepiphyseal dysplasia tarda	X-linked recessive
Musculoskeletal Disorder	TRIP11	Achondrogenesis, type IA	Autosomal recessive
Musculoskeletal Disorder	TRPS1	Trichorhinophalangeal syndrome, type I; Trichorhinophalangeal syndrome, type III	Autosomal dominant
Musculoskeletal Disorder	VDR	Rickets, vitamin D-resistant, type IIA	Autosomal recessive
Musculoskeletal Disorder	WNT7A	Fuhrmann syndrome	Autosomal recessive
Musculoskeletal Disorder	ZIC1	Craniosynostosis 6	Autosomal dominant
Neurodegenerative Disorder	ABCA7	Alzheimer disease 9, susceptibility to	Autosomal dominant
Neurodegenerative Disorder	ABCD1	Adrenoleukodystrophy; Adrenomyeloneuropathy, adult	X-linked recessive
Neurodegenerative Disorder	ACO2	Infantile cerebellar-retinal degeneration	Autosomal recessive
Neurodegenerative Disorder	ALS2	Amyotrophic lateral sclerosis 2, juvenile; Primary lateral sclerosis, juvenile	Autosomal recessive
Neurodegenerative Disorder	AMPD2	Pontocerebellar hypoplasia, type 9	Autosomal recessive
Neurodegenerative Disorder	ANO10	Spinocerebellar ataxia type 10	Autosomal recessive
Neurodegenerative Disorder	AP4B1	Spastic paraplegia 47, autosomal recessive	Autosomal recessive
Neurodegenerative Disorder	AP4M1	Spastic paraplegia 50, autosomal recessive	Autosomal recessive
Neurodegenerative Disorder	APOE	Alzheimer's disease	Autosomal dominant
Neurodegenerative Disorder	APP	Alzheimer disease 1, familial	Autosomal dominant
Neurodegenerative Disorder	ATP13A2	Kufor-Rakeb syndrome	Autosomal recessive
Neurodegenerative Disorder	C19ORF12	Neurodegeneration with brain iron accumulation 4	Autosomal recessive
Neurodegenerative Disorder	CHCHD10	Frontotemporal dementia and/or amyotrophic lateral sclerosis 2	Autosomal dominant
Neurodegenerative Disorder	CSF1R	Leukoencephalopathy, diffuse hereditary, with spheroids	Autosomal dominant
Neurodegenerative Disorder	CYP2U1	Spastic paraplegia	Autosomal recessive
Neurodegenerative Disorder	DCTN1	Amyotrophic lateral sclerosis, susceptibility to; Perry syndrome	Autosomal dominant
Neurodegenerative Disorder	EIF2B1	Leukoencephalopathy with vanishing white matter	Autosomal recessive
Neurodegenerative Disorder	EIF2B2	Leukoencephalopathy with vanishing white matter	Autosomal recessive
Neurodegenerative Disorder	EIF2B3	Leukoencephalopathy with vanishing white matter	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurodegenerative Disorder	FA2H	Fatty acid hydroxylase associated neurodegeneration	Autosomal recessive
Neurodegenerative Disorder	FBXO7	Parkinson disease 15, autosomal recessive	Autosomal recessive
Neurodegenerative Disorder	FTL	Neurodegeneration with brain iron accumulation 3	Autosomal dominant
Neurodegenerative Disorder	GAN	Giant axonal neuropathy-1	Autosomal recessive
Neurodegenerative Disorder	GRN	Aphasia, primary progressive; Frontotemporal lobar degeneration with ubiquitin-positive inclusions	Autosomal dominant
Neurodegenerative Disorder	IRF2BPL	Neurodevelopmental disorder with regression, abnormal movements, loss of speech, and seizures	Autosomal dominant
Neurodegenerative Disorder	LMNB1	Leukodystrophy, adult-onset, autosomal dominant	Autosomal dominant
Neurodegenerative Disorder	LRRK2	Parkinson disease 8	Autosomal dominant
Neurodegenerative Disorder	MAPT	Dementia, frontotemporal, with or without parkinsonism; Supranuclear palsy, progressive	Autosomal dominant
Neurodegenerative Disorder	NOTCH3	Cerebral arteriopathy with subcortical infarcts and leukoencephalopathy 1; Lateral meningocele syndrome	Autosomal dominant
Neurodegenerative Disorder	OPTN	Amyotrophic lateral sclerosis 12; Glaucoma 1, open angle, E	Autosomal dominant
Neurodegenerative Disorder	PANK2	Neurodegeneration with brain iron accumulation 1	Autosomal recessive
Neurodegenerative Disorder	PDGFB	Basal ganglia calcification, idiopathic, 5	Autosomal dominant
Neurodegenerative Disorder	PINK1	Parkinson disease 6, early onset	Autosomal recessive
Neurodegenerative Disorder	POLR3B	Leukodystrophy, hypomyelinating, 8, with or without oligodontia and/or hypogonadotropic hypogonadism	Autosomal recessive
Neurodegenerative Disorder	PRKN	Parkinson disease, juvenile, type 2	Autosomal recessive
Neurodegenerative Disorder	PRKRA	Dystonia 16	Autosomal recessive
Neurodegenerative Disorder	PRNP	Creutzfeldt-Jakob disease; Gerstmann-Straussler disease	Autosomal dominant
Neurodegenerative Disorder	PSEN1	Alzheimer disease, type 3	Autosomal dominant
Neurodegenerative Disorder	PSEN2	Alzheimer disease-4	Autosomal dominant
Neurodegenerative Disorder	RARS1	Leukodystrophy, hypomyelinating, 9	Autosomal recessive
Neurodegenerative Disorder	RTN2	Spastic paraplegia 12, autosomal dominant	Autosomal dominant
Neurodegenerative Disorder	SLC6A3	Parkinsonism-dystonia, infantile	Autosomal recessive
Neurodegenerative Disorder	SNCA	Parkinson disease 1; Parkinson disease 4	Autosomal dominant
Neurodegenerative Disorder	SOD1	Amyotrophic lateral sclerosis 1	Autosomal dominant
Neurodegenerative Disorder	SYNJ1	Parkinson disease 20, early-onset	Autosomal recessive
Neurodegenerative Disorder	TARDBP	Amyotrophic lateral sclerosis 10, with or without FTD; Frontotemporal lobar degeneration, TARDBP-related	Autosomal dominant
Neurodegenerative Disorder	TFG	Hereditary motor and sensory neuropathy, Okinawa type	Autosomal dominant
Neurodegenerative Disorder	VAMP1	Spastic ataxia 1, autosomal dominant	Autosomal dominant
Neurodegenerative Disorder	VCP	Amyotrophic lateral sclerosis 14, with or without frontotemporal dementia; Inclusion body myopathy with early-onset Paget disease and frontotemporal dementia 1	Autosomal dominant
Neurodegenerative Disorder	VPS13C	Parkinson disease 23, autosomal recessive, early onset	Autosomal recessive
Neurodegenerative Disorder	WDR45	Neurodegeneration with brain iron accumulation 5	X-linked dominant
Neurologic Disorder	ACVRL1	Telangiectasia, hereditary hemorrhagic, type 2	Autosomal dominant
Neurologic Disorder	ADAR	Aicardi-Goutieres syndrome 6	Autosomal recessive
Neurologic Disorder	ADCY5	Dyskinesia, familial, with facial myokymia	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	ADGRG1	Polymicrogyria, bilateral frontoparietal	Autosomal recessive
Neurologic Disorder	ADNP	Helsmoortel-van der Aa syndrome	Autosomal dominant
Neurologic Disorder	ADSL	Adenylosuccinase deficiency	Autosomal recessive
Neurologic Disorder	AFG3L2	Spinocerebellar ataxia 28	Autosomal dominant
Neurologic Disorder	AHCY	Hypermethioninemia with deficiency of S-adenosylhomocysteine hydrolase	Autosomal recessive
Neurologic Disorder	AHDC1	Xia-Gibbs syndrome	Autosomal dominant
Neurologic Disorder	ALDH3A2	Sjogren-Larsson syndrome	Autosomal recessive
Neurologic Disorder	ALDH4A1	Hyperprolinemia, type II	Autosomal recessive
Neurologic Disorder	ALDH5A1	Succinic semialdehyde dehydrogenase deficiency	Autosomal recessive
Neurologic Disorder	ALDH7A1	Epilepsy, pyridoxine-dependent	Autosomal recessive
Neurologic Disorder	ALG13	Epileptic encephalopathy, early infantile, 36	X-linked dominant
Neurologic Disorder	ALG2	Myasthenic syndrome, congenital, 14, with tubular aggregates	Autosomal recessive
Neurologic Disorder	AMT	Glycine encephalopathy	Autosomal recessive
Neurologic Disorder	AP1S2	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	AP4E1	Spastic paraplegia 51, autosomal recessive	Autosomal recessive
Neurologic Disorder	AP4S1	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	AP5Z1	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	APT1	Ataxia, early-onset, with oculomotor apraxia and hypoalbuminemia	Autosomal recessive
Neurologic Disorder	ARFGEF2	Periventricular heterotopia with microcephaly	Autosomal recessive
Neurologic Disorder	ARL13B	Joubert syndrome 8	Autosomal recessive
Neurologic Disorder	ARSA	Metachromatic leukodystrophy	Autosomal recessive
Neurologic Disorder	ASPM	Microcephaly 5, primary, autosomal recessive	Autosomal recessive
Neurologic Disorder	ATL1	Neuropathy, hereditary sensory, type I; Spastic paraplegia	Autosomal dominant
Neurologic Disorder	ATP1A3	Alternating hemiplegia of childhood 2; CAPOS syndrome	Autosomal dominant
Neurologic Disorder	AUH	3-methylglutaconic aciduria, type I	Autosomal recessive
Neurologic Disorder	AUTS2	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	B4GALNT1	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	BRAT1	Rigidity and multifocal seizure syndrome, lethal neonatal	Autosomal recessive
Neurologic Disorder	BRWD3	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	BSCL2	Lipodystrophy, congenital generalized, type 2	Autosomal recessive
Neurologic Disorder	CACNA1A	Episodic ataxia, type 2	Autosomal dominant
Neurologic Disorder	CAD	Epileptic encephalopathy, early infantile, 50	Autosomal recessive
Neurologic Disorder	CAMTA1	Non-progressive cerebellar ataxia with intellectual disability	Autosomal dominant
Neurologic Disorder	CC2D1A	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	CCM2	Cerebral cavernous malformations-2	Autosomal dominant
Neurologic Disorder	CDKL5	Epileptic encephalopathy, early infantile, 2	X-linked dominant
Neurologic Disorder	CENPJ	Microcephaly 6, primary, autosomal recessive	Autosomal recessive
Neurologic Disorder	CEP104	Joubert syndrome 25	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	CHAMP1	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	CHD2	Epileptic encephalopathy, childhood-onset	Autosomal dominant
Neurologic Disorder	CHRNE	Myasthenic syndrome, congenital, 4C, associated with acetylcholine receptor deficiency	Autosomal recessive
Neurologic Disorder	CLCN2	Leukoencephalopathy with ataxia	Autosomal recessive
Neurologic Disorder	CLCN4	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	CLN3	Ceroid lipofuscinosis, neuronal, 3	Autosomal recessive
Neurologic Disorder	CLN5	Ceroid lipofuscinosis, neuronal, 5	Autosomal recessive
Neurologic Disorder	CLN6	Ceroid lipofuscinosis, neuronal, 6	Autosomal recessive
Neurologic Disorder	CLN8	Ceroid lipofuscinosis, neuronal, 8; Ceroid lipofuscinosis, neuronal, 8, Northern epilepsy variant	Autosomal recessive
Neurologic Disorder	COG5	Congenital disorder of glycosylation, type Iii	Autosomal recessive
Neurologic Disorder	COL4A1	Angiopathy, hereditary, with nephropathy, aneurysms, and muscle cramps; Brain small vessel disease with or without ocular anomalies; Porencephaly 1	Autosomal dominant
Neurologic Disorder	COLQ	Myasthenic syndrome, congenital, 5	Autosomal recessive
Neurologic Disorder	COQ8A	Coenzyme Q10 deficiency, primary, 4	Autosomal recessive
Neurologic Disorder	CPA6	Febrile seizures, familial, 11	Autosomal recessive
Neurologic Disorder	CRBN	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	CRLF1	Cold-induced sweating syndrome 1	Autosomal recessive
Neurologic Disorder	CSNK2A1	Okur-Chung neurodevelopmental syndrome	Autosomal dominant
Neurologic Disorder	CSTB	Unverricht-Lundborg syndrome	Autosomal recessive
Neurologic Disorder	CTCF	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	CTSD	Ceroid lipofuscinosis, neuronal, 10	Autosomal recessive
Neurologic Disorder	CUL4B	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	CWF19L1	Spinocerebellar ataxia	Autosomal recessive
Neurologic Disorder	CYP7B1	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	D2HGDH	D-2-hydroxyglutaric aciduria	Autosomal recessive
Neurologic Disorder	DARS2	Leukoencephalopathy with brain stem and spinal cord involvement and lactate elevation	Autosomal recessive
Neurologic Disorder	DCC	Mirror movements 1	Autosomal dominant
Neurologic Disorder	DCX	Lissencephaly, X-linked; Subcortical laminar heteropia, X-linked	X-linked
Neurologic Disorder	DDC	Aromatic L-amino acid decarboxylase deficiency	Autosomal recessive
Neurologic Disorder	DDHD2	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	DDX3X	Intellectual functioning disability	X-linked dominant
Neurologic Disorder	DEPDC5	Epilepsy, familial focal, with variable foci 1	Autosomal dominant
Neurologic Disorder	DLAT	Pyruvate dehydrogenase E2 deficiency	Autosomal recessive
Neurologic Disorder	DLG3	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	DNAJB2	Spinal muscular atrophy, distal, autosomal recessive, 5	Autosomal recessive
Neurologic Disorder	DNAJC6	Parkinson disease 19a, juvenile-onset; Parkinson disease 19b, early-onset	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	DNM1	Epileptic encephalopathy, early infantile, 31	Autosomal dominant
Neurologic Disorder	DNMT1	Cerebellar ataxia, deafness, and narcolepsy, autosomal dominant; Neuropathy, hereditary sensory, type IE	Autosomal dominant
Neurologic Disorder	DOCK7	Epileptic encephalopathy, early infantile, 23	Autosomal recessive
Neurologic Disorder	DYNC1H1	Charcot-Marie-Tooth disease, axonal, type 20; Intellectual functioning disability; Spinal muscular atrophy, lower extremity-predominant 1, AD	Autosomal dominant
Neurologic Disorder	DYRK1A	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	EFHC1	Epilepsy, juvenile absence, susceptibility to, 1; Myoclonic epilepsy, juvenile, susceptibility to, 1	Autosomal dominant
Neurologic Disorder	EGR2	Charcot-Marie-Tooth disease, type 1D; Dejerine-Sottas disease; Neuropathy, congenital hypomyelinating, 1	Autosomal dominant
Neurologic Disorder	EIF2B5	Leukoencephalopathy with vanishing white matter	Autosomal recessive
Neurologic Disorder	ELP1	Dysautonomia, familial	Autosomal recessive
Neurologic Disorder	ELP2	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	ENG	Telangiectasia, hereditary hemorrhagic, type 1	Autosomal dominant
Neurologic Disorder	EPM2A	Epilepsy, progressive myoclonic 2A (Lafora)	Autosomal recessive
Neurologic Disorder	ERLIN1	Spastic paraplegia 62	Autosomal recessive
Neurologic Disorder	ERLIN2	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	EXOSC3	Pontocerebellar hypoplasia, type 1B	Autosomal recessive
Neurologic Disorder	FGD4	Charcot-Marie-Tooth disease, type 4H	Autosomal recessive
Neurologic Disorder	FGF14	Spinocerebellar ataxia 27	Autosomal dominant
Neurologic Disorder	FIG4	Charcot-Marie-Tooth disease, type 4J	Autosomal recessive
Neurologic Disorder	FLNA	Intestinal pseudoobstruction, neuronal	X-linked recessive
Neurologic Disorder	FLVCR1	Ataxia, posterior column, with retinitis pigmentosa	Autosomal recessive
Neurologic Disorder	FLVCR2	Proliferative vasculopathy and hydraencephaly-hydrocephaly syndrome	Autosomal recessive
Neurologic Disorder	FMN2	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	FOXP1	Intellectual developmental disorder with language impairment with or without autistic features	Autosomal dominant
Neurologic Disorder	FTSJ1	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	FUS	Amyotrophic lateral sclerosis 6, with or without frontotemporal dementia; Tremor, hereditary essential, 4	Autosomal dominant
Neurologic Disorder	GABRA1	Epileptic encephalopathy, early infantile, 19	Autosomal dominant
Neurologic Disorder	GABRB3	Epilepsy, childhood absence, susceptibility to, 5; Epileptic encephalopathy, early infantile, 43	Autosomal dominant
Neurologic Disorder	GABRG2	Epilepsy, childhood absence, susceptibility to, 2; Epilepsy, generalized, with febrile seizures plus, type 3; Febrile seizures, familial, 8	Autosomal dominant
Neurologic Disorder	GALC	Krabbe disease	Autosomal recessive
Neurologic Disorder	GAMT	Cerebral creatine deficiency syndrome 2	Autosomal recessive
Neurologic Disorder	GARS1	Charcot-Marie-Tooth disease, type 2D; Neuropathy, distal hereditary motor, type VA	Autosomal dominant
Neurologic Disorder	GATAD2B	Intellectual functioning disability	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	GATM	Cerebral creatine deficiency syndrome 3	Autosomal recessive
Neurologic Disorder	GBA2	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	GCH1	Dystonia, DOPA-responsive, with or without hyperphenylalaninemia	Autosomal dominant
Neurologic Disorder	GDAP1	Charcot-Marie-Tooth disease, axonal, type 2K; Charcot-Marie-Tooth disease, recessive intermediate, A; Charcot-Marie-Tooth disease, type 4A	Autosomal recessive
Neurologic Disorder	GDI1	Intellectual functioning disability	X-linked
Neurologic Disorder	GFAP	Alexander disease	Autosomal dominant
Neurologic Disorder	GJB1	Charcot-Marie-Tooth neuropathy, X-linked dominant, 1	X-linked dominant
Neurologic Disorder	GJC2	Leukodystrophy, hypomyelinating, 2; Spastic paraplegia	Autosomal recessive
Neurologic Disorder	GLDC	Glycine encephalopathy	Autosomal recessive
Neurologic Disorder	GLRA1	Hereditary hyperekplexia	Autosomal dominant
Neurologic Disorder	GLRB	Hyperekplexia 2, autosomal recessive	Autosomal recessive
Neurologic Disorder	GM2A	GM2-gangliosidosis, AB variant	Autosomal recessive
Neurologic Disorder	GNAO1	Epileptic encephalopathy, early infantile, 17	Autosomal dominant
Neurologic Disorder	GNB1	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	GOSR2	Epilepsy, progressive myoclonic 6	Autosomal recessive
Neurologic Disorder	GRIA3	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	GRIK2	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	GRIN2B	Epileptic encephalopathy, early infantile, 27; Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	GUCY1A1	Moyamoya 6 with achalasia	Autosomal recessive
Neurologic Disorder	HERC1	Macrocephaly, dysmorphic facies, and psychomotor retardation	Autosomal recessive
Neurologic Disorder	HEXB	Sandhoff disease, infantile, juvenile, and adult forms	Autosomal recessive
Neurologic Disorder	HIBCH	3-hydroxyisobutryl-CoA hydrolase deficiency	Autosomal recessive
Neurologic Disorder	HINT1	Neuromyotonia and axonal neuropathy, autosomal recessive	Autosomal recessive
Neurologic Disorder	HIVEP2	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	HNRNPK	Au-Kline syndrome	Autosomal dominant
Neurologic Disorder	HNRNPU	Epileptic encephalopathy, early infantile, 54	Autosomal dominant
Neurologic Disorder	HSPB1	Charcot-Marie-Tooth disease, axonal, type 2F; Neuropathy, distal hereditary motor, type IIB	Autosomal dominant
Neurologic Disorder	HSPB8	Charcot-Marie-Tooth disease, axonal, type 2L; Neuropathy, distal hereditary motor, type IIA	Autosomal dominant
Neurologic Disorder	HYCC1	Leukodystrophy, hypomyelinating, 5	Autosomal recessive
Neurologic Disorder	IDH2	D-2-hydroxyglutaric aciduria 2	Autosomal dominant
Neurologic Disorder	IGHMBP2	Charcot-Marie-Tooth disease, axonal, type 2S; Neuronopathy, distal hereditary motor, type VI	Autosomal recessive
Neurologic Disorder	IL1RAPL1	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	IQSEC2	Intellectual functioning disability	X-linked dominant
Neurologic Disorder	ITPR1	Gillespie syndrome; Spinocerebellar ataxia 15; Spinocerebellar ataxia 29, congenital nonprogressive	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	KAT6A	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	KCNA1	Episodic ataxia/myokymia syndrome	Autosomal dominant
Neurologic Disorder	KCNB1	Epileptic encephalopathy, early infantile, 26	Autosomal dominant
Neurologic Disorder	KCNQ3	Seizures, benign neonatal, type 2	Autosomal dominant
Neurologic Disorder	KCNT1	Epilepsy, nocturnal frontal lobe, 5; Epileptic encephalopathy, early infantile, 14	Autosomal dominant
Neurologic Disorder	KCTD7	Epilepsy, progressive myoclonic 3, with or without intracellular inclusions	Autosomal recessive
Neurologic Disorder	KDM5C	Intellectual functioning disability	X-linked
Neurologic Disorder	KIF1A	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	KIF5A	Myoclonus, intractable, neonatal; Spastic paraplegia	Autosomal dominant
Neurologic Disorder	KIF7	Acrocallosal syndrome	Autosomal recessive
Neurologic Disorder	KLHL40	Nemaline myopathy	Autosomal recessive
Neurologic Disorder	KMT2B	Dystonia 28, childhood-onset	Autosomal dominant
Neurologic Disorder	L1CAM	Hydrocephalus; MASA syndrome	X-linked recessive
Neurologic Disorder	L2HGDH	L-2-hydroxyglutaric aciduria	Autosomal recessive
Neurologic Disorder	LAMA2	Muscular dystrophy, congenital merosin-deficient	Autosomal recessive
Neurologic Disorder	LARGE1	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 6; Muscular dystrophy-dystroglycanopathy (congenital with impaired intellectual development), type B, 6	Autosomal recessive
Neurologic Disorder	LITAF	Charcot-Marie-Tooth disease, type 1C	Autosomal dominant
Neurologic Disorder	LRSAM1	Charcot-Marie-Tooth disease, axonal, type 2P	Autosomal dominant
Neurologic Disorder	MBD5	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	MECP2	Rett syndrome; Rett syndrome, atypical	X-linked dominant
Neurologic Disorder	METTL23	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	MFF	Encephalopathy due to defective mitochondrial and peroxisomal fission 2	Autosomal recessive
Neurologic Disorder	MFN2	Charcot-Marie-Tooth disease, axonal, type 2A2A; Hereditary motor and sensory neuropathy VIA	Autosomal dominant
Neurologic Disorder	MFN2	Charcot-Marie-Tooth disease, axonal, type 2A2B	Autosomal recessive
Neurologic Disorder	MFSD8	Ceroid lipofuscinosis, neuronal, 7	Autosomal recessive
Neurologic Disorder	MICU1	Myopathy with extrapyramidal signs	Autosomal recessive
Neurologic Disorder	MLC1	Megalencephalic leukoencephalopathy with subcortical cysts	Autosomal recessive
Neurologic Disorder	MME	Charcot-Marie-Tooth disease, axonal, type 2T	Autosomal recessive
Neurologic Disorder	MPDZ	Hydrocephalus	Autosomal recessive
Neurologic Disorder	MPZ	Charcot-Marie-Tooth disease, type 1B; Charcot-Marie-Tooth disease, type 2I; Charcot-Marie-Tooth disease, type 2J; Dejerine-Sottas disease	Autosomal dominant
Neurologic Disorder	MRE11	Ataxia-telangiectasia-like disorder	Autosomal recessive
Neurologic Disorder	MTHFR	Homocystinuria due to MTHFR deficiency	Autosomal recessive
Neurologic Disorder	MTM1	Myotubular myopathy	X-linked recessive
Neurologic Disorder	MTMR2	Charcot-Marie-Tooth disease, type 4B1	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	MYH14	Sensorineural hearing loss	Autosomal dominant
Neurologic Disorder	MYH8	Trismus-pseudocamptodactyly syndrome	Autosomal dominant
Neurologic Disorder	MYT1L	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	NAGA	Schindler disease, type I	Autosomal recessive
Neurologic Disorder	NDRG1	Charcot-Marie-Tooth disease, type 4D	Autosomal recessive
Neurologic Disorder	NEB	Nemaline myopathy	Autosomal recessive
Neurologic Disorder	NEFL	Charcot-Marie-Tooth disease, type 1F; Charcot-Marie-Tooth disease, type 2E	Autosomal dominant
Neurologic Disorder	NEXMIF	Intellectual functioning disability	X-linked dominant
Neurologic Disorder	NGF	Neuropathy, hereditary sensory and autonomic, type V	Autosomal recessive
Neurologic Disorder	NHLRC1	Epilepsy, progressive myoclonic 2B (Lafora)	Autosomal recessive
Neurologic Disorder	NIPA1	Spastic paraplegia 6, autosomal dominant	Autosomal dominant
Neurologic Disorder	NKX2-1	Chorea, hereditary benign	Autosomal dominant
Neurologic Disorder	NONO	Intellectual functioning disability	X-linked
Neurologic Disorder	NPC1	Niemann-Pick disease, type C1	Autosomal recessive
Neurologic Disorder	NPR2	Acromesomelic dysplasia, Maroteaux type	Autosomal recessive
Neurologic Disorder	NPRL2	Epilepsy, familial focal, with variable foci 2	Autosomal dominant
Neurologic Disorder	NPRL3	Epilepsy, familial focal, with variable foci 3	Autosomal dominant
Neurologic Disorder	NSUN2	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	NT5C2	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	NTRK1	Hereditary insensitivity to pain with anhidrosis	Autosomal recessive
Neurologic Disorder	NUP62	Striatonigral degeneration, infantile	Autosomal recessive
Neurologic Disorder	OCLN	Pseudo-TORCH syndrome 1	Autosomal recessive
Neurologic Disorder	OPHN1	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	PAFAH1B1	Lissencephaly 1	Autosomal dominant
Neurologic Disorder	PAK3	Intellectual functioning disability	X-linked
Neurologic Disorder	PC	Pyruvate carboxylase deficiency	Autosomal recessive
Neurologic Disorder	PCDH19	Epileptic encephalopathy, early infantile, 9	X-linked
Neurologic Disorder	PDE8B	Striatal degeneration, autosomal dominant	Autosomal dominant
Neurologic Disorder	PDHA1	Pyruvate dehydrogenase E1-alpha deficiency	X-linked dominant
Neurologic Disorder	PDHB	Pyruvate dehydrogenase E1-beta deficiency	Autosomal recessive
Neurologic Disorder	PEX10	Peroxisome biogenesis disorder 6A (Zellweger); Peroxisome biogenesis disorder 6B	Autosomal recessive
Neurologic Disorder	PEX12	Peroxisome biogenesis disorder 3A (Zellweger); Peroxisome biogenesis disorder 3B	Autosomal recessive
Neurologic Disorder	PEX6	Peroxisome biogenesis disorder 4A (Zellweger); Peroxisome biogenesis disorder 4B	Autosomal recessive
Neurologic Disorder	PGAP1	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	PHF8	X-linked intellectual disability Siderius type	X-linked recessive
Neurologic Disorder	PLA2G6	Infantile neuroaxonal dystrophy 1	Autosomal recessive
Neurologic Disorder	PLCB1	Epileptic encephalopathy, early infantile, 12	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	PLEKHG5	Spinal muscular atrophy, distal, autosomal recessive, 4	Autosomal recessive
Neurologic Disorder	PLP1	Pelizaeus-Merzbacher disease; Spastic paraplegia	X-linked recessive
Neurologic Disorder	PMP22	Charcot-Marie-Tooth disease, type 1A; Charcot-Marie-Tooth disease, type 1E; Dejerine-Sottas disease; Neuropathy, recurrent, with pressure palsies	Autosomal dominant
Neurologic Disorder	PNKD	Paroxysmal nonkinesigenic dyskinesia	Autosomal dominant
Neurologic Disorder	PNKP	Ataxia-oculomotor apraxia 4; Microcephaly, seizures, and developmental delay	Autosomal recessive
Neurologic Disorder	POGZ	White-Sutton syndrome	Autosomal dominant
Neurologic Disorder	POLR1C	Leukodystrophy, hypomyelinating, 11; Treacher Collins syndrome 3	Autosomal recessive
Neurologic Disorder	PPP2R5D	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	PPT1	Ceroid lipofuscinosis, neuronal, 1	Autosomal recessive
Neurologic Disorder	PQBP1	Renpenning syndrome	X-linked recessive
Neurologic Disorder	PRF1	Hemophagocytic lymphohistiocytosis, familial, 2	Autosomal recessive
Neurologic Disorder	PRRT2	Convulsions, familial infantile, with paroxysmal choreoathetosis; Episodic kinesigenic dyskinesia 1; Seizures, benign familial infantile, 2	Autosomal dominant
Neurologic Disorder	PRX	Charcot-Marie-Tooth disease, type 4F; Dejerine-Sottas disease	Autosomal recessive
Neurologic Disorder	PSAP	Combined SAP deficiency; Krabbe disease, atypical; Metachromatic leukodystrophy due to SAP-b deficiency	Autosomal recessive
Neurologic Disorder	PURA	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	PUS1	Myopathy, lactic acidosis, and sideroblastic anemia 1	Autosomal recessive
Neurologic Disorder	RARS2	Pontocerebellar hypoplasia, type 6	Autosomal recessive
Neurologic Disorder	REEP1	Spastic paraplegia	Autosomal dominant
Neurologic Disorder	RELN	Lissencephaly 2 (Norman-Roberts type)	Autosomal recessive
Neurologic Disorder	RERE	Neurodevelopmental disorder with or without anomalies of the brain, eye, or heart	Autosomal dominant
Neurologic Disorder	RETREG1	Neuropathy, hereditary sensory and autonomic, type IIB	Autosomal recessive
Neurologic Disorder	RNASEH2A	Aicardi-Goutieres syndrome 4	Autosomal recessive
Neurologic Disorder	RNASEH2B	Aicardi-Goutieres syndrome 2	Autosomal recessive
Neurologic Disorder	RNASEH2C	Aicardi-Goutieres syndrome 3	Autosomal recessive
Neurologic Disorder	ROGDI	Kohlschutter-Tonz syndrome	Autosomal recessive
Neurologic Disorder	RPS6KA3	Coffin-Lowry syndrome; Intellectual developmental disorder, X-linked 19	X-linked dominant
Neurologic Disorder	SACS	Spastic ataxia, Charlevoix-Saguenay type	Autosomal recessive
Neurologic Disorder	SBF1	Charcot-Marie-Tooth disease, type 4B3	Autosomal recessive
Neurologic Disorder	SBF2	Charcot-Marie-Tooth disease, type 4B2	Autosomal recessive
Neurologic Disorder	SCARB2	Epilepsy, progressive myoclonic 4, with or without renal failure	Autosomal recessive
Neurologic Disorder	SCN11A	Episodic pain syndrome, familial, 3; Neuropathy, hereditary sensory and autonomic, type VII	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	SCN1A	Epilepsy, generalized, with febrile seizures plus, type 2; Epileptic encephalopathy, early infantile, 6; Febrile seizures, familial, 3A	Autosomal dominant
Neurologic Disorder	SCN2A	Epileptic encephalopathy, early infantile, 11; Seizures, benign familial infantile, 3	Autosomal dominant
Neurologic Disorder	SCN8A	Epileptic encephalopathy, early infantile, 13; Seizures, benign familial infantile, 5	Autosomal dominant
Neurologic Disorder	SCN9A	Erythralgia, primary; Paroxysmal extreme pain disorder,	Autosomal dominant
Neurologic Disorder	SCYL1	Spinocerebellar ataxia	Autosomal recessive
Neurologic Disorder	SEPTIN9	Amyotrophy, hereditary neuralgic	Autosomal dominant
Neurologic Disorder	SETD2	Luscan-Lumish syndrome	Autosomal dominant
Neurologic Disorder	SETX	Autosomal recessive cerebellar ataxia with oculomotor apraxia type 2	Autosomal recessive
Neurologic Disorder	SGCB	Muscular dystrophy, limb-girdle, type 2E	Autosomal recessive
Neurologic Disorder	SGCE	Dystonia-11, myoclonic	Autosomal dominant
Neurologic Disorder	SH3TC2	Charcot-Marie-Tooth disease, type 4C	Autosomal recessive
Neurologic Disorder	SIX3	Holoprosencephaly 2	Autosomal dominant
Neurologic Disorder	SKI	Shprintzen-Goldberg syndrome	Autosomal dominant
Neurologic Disorder	SLC12A6	Agenesis of the corpus callosum with peripheral neuropathy	Autosomal recessive
Neurologic Disorder	SLC13A5	Epileptic encephalopathy, early infantile, 25	Autosomal recessive
Neurologic Disorder	SLC17A5	Sialic acid storage disorder, infantile	Autosomal recessive
Neurologic Disorder	SLC1A4	Spastic tetraplegia, thin corpus callosum, and progressive microcephaly	Autosomal recessive
Neurologic Disorder	SLC20A2	Basal ganglia calcification, idiopathic, 1	Autosomal dominant
Neurologic Disorder	SLC25A19	Microcephaly, Amish type; Thiamine metabolism dysfunction syndrome 4 (progressive polyneuropathy type)	Autosomal recessive
Neurologic Disorder	SLC25A22	Epileptic encephalopathy, early infantile, 3	Autosomal recessive
Neurologic Disorder	SLC33A1	Spastic paraplegia 42, autosomal dominant	Autosomal dominant
Neurologic Disorder	SLC52A3	Brown-Vialetto-Van Laere syndrome 1; Fazio-Londe disease	Autosomal recessive
Neurologic Disorder	SLC6A1	Myoclonic-atonic epilepsy	Autosomal dominant
Neurologic Disorder	SLC6A5	Hyperekplexia 3	Autosomal recessive
Neurologic Disorder	SLC9A6	Christianson syndrome	X-linked
Neurologic Disorder	SMN1	Spinal muscular atrophy-1; Spinal muscular atrophy-2; Spinal muscular atrophy-3; Spinal muscular atrophy-4	Autosomal recessive
Neurologic Disorder	SNAP29	Cerebral dysgenesis, neuropathy, ichthyosis, and palmoplantar keratoderma syndrome	Autosomal recessive
Neurologic Disorder	SNX14	Spinocerebellar ataxia	Autosomal recessive
Neurologic Disorder	SOX5	Lamb-Shaffer syndrome	Autosomal dominant
Neurologic Disorder	SPAST	Spastic paraplegia 4, autosomal dominant	Autosomal dominant
Neurologic Disorder	SPG11	Spastic paraplegia	Autosomal recessive
Neurologic Disorder	SPG7	Spastic paraplegia type 7	Autosomal recessive
Neurologic Disorder	SPTAN1	Epileptic encephalopathy, early infantile, 5	Autosomal dominant
Neurologic Disorder	SPTBN2	Spinocerebellar ataxia 5	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	SPTLC1	Neuropathy, hereditary sensory and autonomic, type IA	Autosomal dominant
Neurologic Disorder	SPTLC2	Neuropathy, hereditary sensory and autonomic, type IC	Autosomal dominant
Neurologic Disorder	SSR4	Congenital disorder of glycosylation, type Iy	X-linked recessive
Neurologic Disorder	STUB1	Spinocerebellar ataxia	Autosomal recessive
Neurologic Disorder	STX1B	Generalized epilepsy with febrile seizures plus, type 9	Autosomal dominant
Neurologic Disorder	STXBP1	Epileptic encephalopathy, early infantile, 4	Autosomal dominant
Neurologic Disorder	SYN1	X-linked epilepsy with learning disability and behavior disorder syndrome	X-linked recessive
Neurologic Disorder	SYNE1	Spinocerebellar ataxia	Autosomal recessive
Neurologic Disorder	SYNGAP1	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	SZT2	Epileptic encephalopathy, early infantile, 18	Autosomal recessive
Neurologic Disorder	TBCK	Hypotonia, infantile, with psychomotor retardation and characteristic facies 3	Autosomal recessive
Neurologic Disorder	TECPR2	Hereditary spastic paraplegia	Autosomal recessive
Neurologic Disorder	TGM6	Spinocerebellar ataxia 35	Autosomal dominant
Neurologic Disorder	TH	Segawa syndrome, recessive	Autosomal recessive
Neurologic Disorder	TK2	Mitochondrial DNA depletion syndrome 2 (myopathic type)	Autosomal recessive
Neurologic Disorder	TNNT1	Nemaline myopathy 5, Amish type	Autosomal recessive
Neurologic Disorder	TOR1A	Dystonia-1, torsion	Autosomal dominant
Neurologic Disorder	TPP1	Ceroid lipofuscinosis, neuronal, 2	Autosomal recessive
Neurologic Disorder	TRAPPC9	Intellectual functioning disability	Autosomal recessive
Neurologic Disorder	TREM2	Nasu-Hakola disease	Autosomal recessive
Neurologic Disorder	TREX1	Aicardi Goutieres syndrome	Autosomal recessive
Neurologic Disorder	TRIM32	Muscular dystrophy, limb-girdle, type 2H	Autosomal recessive
Neurologic Disorder	TRIO	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	TSEN54	Pontocerebellar hypoplasia type 2A; Pontocerebellar hypoplasia type 4	Autosomal recessive
Neurologic Disorder	TTBK2	Spinocerebellar ataxia 11	Autosomal dominant
Neurologic Disorder	TTPA	Ataxia with isolated vitamin E deficiency	Autosomal recessive
Neurologic Disorder	TTR	Amyloidosis, hereditary, transthyretin-related	Autosomal dominant
Neurologic Disorder	TUBA1A	Lissencephaly 3	Autosomal dominant
Neurologic Disorder	TUBB2B	Polymicrogyria, symmetric or asymmetric	Autosomal dominant
Neurologic Disorder	UCHL1	Spastic paraplegia 79, autosomal recessive	Autosomal recessive
Neurologic Disorder	UNC80	Hypotonia, infantile, with psychomotor retardation and characteristic facies 2	Autosomal recessive
Neurologic Disorder	UPF3B	Intellectual functioning disability	X-linked recessive
Neurologic Disorder	USP9X	Intellectual functioning disability	X-linked dominant
Neurologic Disorder	VLDLR	Cerebellar hypoplasia and intellectual deficit with or without quadrupedal locomotion 1	Autosomal recessive
Neurologic Disorder	VPS13A	Choreoacanthocytosis	Autosomal recessive
Neurologic Disorder	VPS35	Parkinson disease 17	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Neurologic Disorder	WDR62	Microcephaly 2, primary, autosomal recessive, with or without cortical malformations	Autosomal recessive
Neurologic Disorder	WWOX	Epileptic encephalopathy, early infantile, 28; Spinocerebellar ataxia	Autosomal recessive
Neurologic Disorder	XPR1	Basal ganglia calcification, idiopathic, 6	Autosomal dominant
Neurologic Disorder	YARS1	Charcot-Marie-Tooth disease, dominant intermediate C	Autosomal dominant
Neurologic Disorder	ZFYVE26	Spastic paraplegia type 15	Autosomal recessive
Neurologic Disorder	ZIC2	Holoprosencephaly 5	Autosomal dominant
Neurologic Disorder	ZMYND11	Intellectual functioning disability	Autosomal dominant
Neurologic Disorder	ZNF711	Intellectual functioning disability	X-linked
Respiratory Disorder	ABCA3	Surfactant metabolism dysfunction, pulmonary, 3	Autosomal recessive
Respiratory Disorder	CCDC103	Ciliary dyskinesia, primary, 17	Autosomal recessive
Respiratory Disorder	CCDC39	Ciliary dyskinesia, primary, 14	Autosomal recessive
Respiratory Disorder	CCDC40	Ciliary dyskinesia, primary, 15	Autosomal recessive
Respiratory Disorder	CCDC65	Ciliary dyskinesia, primary, 27	Autosomal recessive
Respiratory Disorder	CCNO	Ciliary dyskinesia, primary, 29	Autosomal recessive
Respiratory Disorder	CFAP298	Ciliary dyskinesia, primary, 26	Autosomal recessive
Respiratory Disorder	CFTR	Cystic fibrosis	Autosomal recessive
Respiratory Disorder	DNAAF1	Ciliary dyskinesia, primary, 13	Autosomal recessive
Respiratory Disorder	DNAAF11	Ciliary dyskinesia, primary, 19	Autosomal recessive
Respiratory Disorder	DNAAF2	Ciliary dyskinesia, primary, 10	Autosomal recessive
Respiratory Disorder	DNAAF3	Ciliary dyskinesia, primary, 2	Autosomal recessive
Respiratory Disorder	DNAAF4	Ciliary dyskinesia, primary, 25	Autosomal recessive
Respiratory Disorder	DNAAF5	Ciliary dyskinesia, primary, 18	Autosomal recessive
Respiratory Disorder	DNAH11	Ciliary dyskinesia, primary, 7, with or without situs inversus	Autosomal recessive
Respiratory Disorder	DNAH5	Ciliary dyskinesia, primary, 3, with or without situs inversus	Autosomal recessive
Respiratory Disorder	DNAI2	Ciliary dyskinesia, primary, 9, with or without situs inversus	Autosomal recessive
Respiratory Disorder	DNAL1	Ciliary dyskinesia, primary, 16	Autosomal recessive
Respiratory Disorder	DRC1	Ciliary dyskinesia, primary, 21	Autosomal recessive
Respiratory Disorder	EIF2AK4	Pulmonary venoocclusive disease 2	Autosomal recessive
Respiratory Disorder	FOXF1	Alveolar capillary dysplasia with misalignment of pulmonary veins	Autosomal dominant
Respiratory Disorder	GAS8	Ciliary dyskinesia, primary, 33	Autosomal recessive
Respiratory Disorder	ODAD1	Ciliary dyskinesia, primary, 20	Autosomal recessive
Respiratory Disorder	ODAD2	Ciliary dyskinesia, primary, 23	Autosomal recessive
Respiratory Disorder	ODAD3	Ciliary dyskinesia, primary, 30	Autosomal recessive
Respiratory Disorder	PARN	Pulmonary fibrosis and/or bone marrow failure, telomere-related, 4	Autosomal dominant
Respiratory Disorder	RSPH1	Ciliary dyskinesia, primary, 24	Autosomal recessive
Respiratory Disorder	RSPH3	Ciliary dyskinesia, primary, 32	Autosomal recessive
Respiratory Disorder	RSPH4A	Ciliary dyskinesia, primary, 11	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Respiratory Disorder	RSPH9	Ciliary dyskinesia, primary, 12	Autosomal recessive
Respiratory Disorder	SERPINA1	Alpha-1-antitrypsin deficiency	Autosomal recessive
Respiratory Disorder	SLC34A2	Pulmonary alveolar microlithiasis	Autosomal recessive
Respiratory Disorder	SPAG1	Ciliary dyskinesia, primary, 28	Autosomal recessive
Respiratory Disorder	ZMYND10	Ciliary dyskinesia, primary, 22	Autosomal recessive
Skin Disorder	ABCA12	Ichthyosis, congenital, autosomal recessive 4A; Ichthyosis, congenital, autosomal recessive 4B (harlequin)	Autosomal recessive
Skin Disorder	ALOX12B	Congenital ichthyosis of skin	Autosomal recessive
Skin Disorder	ALOXE3	Congenital ichthyosis of skin	Autosomal recessive
Skin Disorder	ATP2A2	Acrokeratosis verruciformis; Darier disease	Autosomal dominant
Skin Disorder	ATP2C1	Hailey-Hailey disease	Autosomal dominant
Skin Disorder	ATP6V0A2	Cutis laxa, autosomal recessive, type IIA	Autosomal recessive
Skin Disorder	CAST	Peeling skin with leukonychia, acral punctate keratoses, cheilitis, and knuckle pads	Autosomal recessive
Skin Disorder	CDSN	Hypotrichosis 2	Autosomal dominant
Skin Disorder	COL5A2	Ehlers-Danlos syndrome, classic type	Autosomal dominant
Skin Disorder	COL7A1	Dystrophic epidermolysis bullosa	Autosomal dominant; Autosomal recessive
Skin Disorder	CYP4F22	Congenital ichthyosis of skin	Autosomal recessive
Skin Disorder	DDB2	Xeroderma pigmentosum, group E, DDB-negative subtype	Autosomal recessive
Skin Disorder	DSG4	Hypotrichosis 6	Autosomal recessive
Skin Disorder	DST	Epidermolysis bullosa simplex	Autosomal recessive
Skin Disorder	EDA	Ectodermal dysplasia 1, hypohidrotic, X-linked	X-linked recessive
Skin Disorder	EFEMP2	Cutis laxa	Autosomal recessive
Skin Disorder	ERCC2	Trichothiodystrophy 1, photosensitive; Xeroderma pigmentosum, group D	Autosomal recessive
Skin Disorder	ERCC3	Xeroderma pigmentosum, group B	Autosomal recessive
Skin Disorder	ERCC4	Xeroderma pigmentosum, group F	Autosomal recessive
Skin Disorder	ERCC5	Xeroderma pigmentosum, group G; Xeroderma pigmentosum, group G/Cockayne syndrome	Autosomal recessive
Skin Disorder	EXPH5	Epidermolysis bullosa	Autosomal recessive
Skin Disorder	FBLN5	Cutis laxa	Autosomal recessive
Skin Disorder	FERMT1	Kindler syndrome	Autosomal recessive
Skin Disorder	FLG	Ichthyosis vulgaris	Autosomal recessive
Skin Disorder	GJB6	Ectodermal dysplasia 2, Clouston type	Autosomal dominant
Skin Disorder	HOXC13	Ectodermal dysplasia 9, hair/nail type	Autosomal recessive
Skin Disorder	HR	Atrichia with papular lesions	Autosomal recessive
Skin Disorder	IKBKG	Incontinentia pigmenti	X-linked dominant
Skin Disorder	IL36RN	Psoriasis 14, pustular	Autosomal recessive
Skin Disorder	KIT	Piebaldism	Autosomal dominant
Skin Disorder	KRT1	Epidermolytic hyperkeratosis; Palmoplantar keratoderma	Autosomal dominant
Skin Disorder	KRT10	Epidermolytic hyperkeratosis; Ichthyosis with confetti	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Skin Disorder	KRT14	Dermatopathia pigmentosa reticularis; Epidermolysis bullosa simplex, Dowling-Meara type; Epidermolysis bullosa simplex, Koebner type; Epidermolysis bullosa simplex, Weber-Cockayne type; Naegeli-Franceschetti-Jadassohn syndrome	Autosomal dominant
Skin Disorder	KRT5	Dowling-Degos disease 1; Epidermolysis bullosa simplex	Autosomal dominant
Skin Disorder	KRT9	Palmoplantar keratoderma, epidermolytic	Autosomal dominant
Skin Disorder	LORICRIN	Vohwinkel syndrome with ichthyosis	Autosomal dominant
Skin Disorder	LRMDA	Albinism, oculocutaneous, type VII	Autosomal recessive
Skin Disorder	MBTPS2	IFAP syndrome with or without BRESHECK syndrome; Keratosis follicularis spinulosa decalvans, X-linked	X-linked recessive
Skin Disorder	NIPAL4	Ichthyosis, congenital, autosomal recessive 6	Autosomal recessive
Skin Disorder	PKP1	Ectodermal dysplasia/skin fragility syndrome	Autosomal recessive
Skin Disorder	PNPLA1	Ichthyosis, congenital, autosomal recessive 10	Autosomal recessive
Skin Disorder	PORCN	Focal dermal hypoplasia	X-linked dominant
Skin Disorder	SERPINB7	Palmoplantar keratoderma, Nagashima type	Autosomal recessive
Skin Disorder	SLURP1	Meleda disease	Autosomal recessive
Skin Disorder	SPINK5	Netherton syndrome	Autosomal recessive
Skin Disorder	STS	Ichthyosis, X-linked	X-linked recessive
Skin Disorder	TGM1	Congenital ichthyosis of skin	Autosomal recessive
Skin Disorder	TGM5	Peeling skin syndrome 2	Autosomal recessive
Skin Disorder	TMC6	Epidermodysplasia verruciformis	Autosomal recessive
Skin Disorder	TMC8	Epidermodysplasia verruciformis	Autosomal recessive
Skin Disorder	TRPV3	Olmsted syndrome	Autosomal dominant
Skin Disorder	UVSSA	UV-sensitive syndrome 3	Autosomal recessive
Skin Disorder	WNT10A	Odontoonychodermal dysplasia	Autosomal recessive
Skin Disorder	XPA	Xeroderma pigmentosum, group A	Autosomal recessive
Skin Disorder	XPC	Xeroderma pigmentosum, group C	Autosomal recessive
Skin Disorder	ZMPSTE24	Restrictive dermopathy, lethal	Autosomal recessive
Syndromic Disorder	AAAS	Achalasia-addisonianism-alacrimia syndrome	Autosomal recessive
Syndromic Disorder	ABCC6	Arterial calcification, generalized, of infancy, 2; Pseudoxanthoma elasticum	Autosomal recessive
Syndromic Disorder	ABHD12	Polyneuropathy, hearing loss, ataxia, retinitis pigmentosa, and cataract	Autosomal recessive
Syndromic Disorder	ACP5	Spondyloenchondrodysplasia with immune dysregulation	Autosomal recessive
Syndromic Disorder	ACTB	Baraitser-Winter syndrome 1	Autosomal dominant
Syndromic Disorder	ADAMTS10	Weill-Marchesani syndrome 1, recessive	Autosomal recessive
Syndromic Disorder	ADAMTS17	Weill-Marchesani syndrome	Autosomal recessive
Syndromic Disorder	ADAMTS18	Microcornea, myopic chorioretinal atrophy, and telecanthus	Autosomal recessive
Syndromic Disorder	ADAMTS2	Ehlers-Danlos syndrome, type VIIC	Autosomal recessive
Syndromic Disorder	ADGRV1	Usher syndrome, type 2C	Autosomal recessive
Syndromic Disorder	AFF4	CHOPS syndrome	Autosomal dominant
Syndromic Disorder	AGPAT2	Lipodystrophy, congenital generalized, type 1	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	AGPS	Rhizomelic chondrodysplasia punctata, type 3	Autosomal recessive
Syndromic Disorder	AHI1	Joubert syndrome-3	Autosomal recessive
Syndromic Disorder	AIFM1	Combined oxidative phosphorylation deficiency 6; Cowchock syndrome	X-linked recessive
Syndromic Disorder	AK2	Reticular dysgenesis	Autosomal recessive
Syndromic Disorder	AKT3	Megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 2	Autosomal dominant
Syndromic Disorder	ALDH18A1	Cutis laxa, autosomal dominant 3	Autosomal dominant
Syndromic Disorder	ALG8	Congenital disorder of glycosylation, type 1h	Autosomal recessive
Syndromic Disorder	ALG9	Congenital disorder of glycosylation, type 1i; Gillespie-Kaeschbach-Nishimura syndrome	Autosomal recessive
Syndromic Disorder	ALMS1	Alstrom syndrome	Autosomal recessive
Syndromic Disorder	ALX4	Parietal foramina 2	Autosomal dominant
Syndromic Disorder	AMH	Persistent Mullerian duct syndrome, type I	Autosomal recessive
Syndromic Disorder	AMHR2	Persistent Mullerian duct syndrome, type II	Autosomal recessive
Syndromic Disorder	ANKRD11	KBG syndrome	Autosomal dominant
Syndromic Disorder	ANTXR1	GAPO syndrome	Autosomal recessive
Syndromic Disorder	AP3B1	Hermansky-Pudlak syndrome 2	Autosomal recessive
Syndromic Disorder	APOA1	Amyloidosis	Autosomal dominant
Syndromic Disorder	ARID1B	Coffin-Siris syndrome 1	Autosomal dominant
Syndromic Disorder	ARL6	Bardet-Biedl syndrome 3	Autosomal recessive
Syndromic Disorder	ARSB	Mucopolysaccharidosis type VI (Maroteaux-Lamy)	Autosomal recessive
Syndromic Disorder	ARX	Intellectual developmental disorder, X-linked 29; Lissencephaly, X-linked 2	X-linked
Syndromic Disorder	ASXL3	Bainbridge-Ropers syndrome	Autosomal dominant
Syndromic Disorder	ATP6V0A4	Renal tubular acidosis, distal, autosomal recessive	Autosomal recessive
Syndromic Disorder	ATP6V1B1	Renal tubular acidosis with deafness	Autosomal recessive
Syndromic Disorder	ATR	Seckel syndrome 1	Autosomal recessive
Syndromic Disorder	ATRX	Alpha-thalassemia/intellectual deficit syndrome	X-linked dominant
Syndromic Disorder	AURKC	Spermatogenic failure 5	Autosomal recessive
Syndromic Disorder	B3GALT6	Ehlers-Danlos syndrome, progeroid type, 2; Spondyloepimetaphyseal dysplasia with joint laxity, type 1, with or without fractures	Autosomal recessive
Syndromic Disorder	B3GLCT	Peters-plus syndrome	Autosomal recessive
Syndromic Disorder	B9D1	Joubert syndrome 27	Autosomal recessive
Syndromic Disorder	BBS1	Bardet-Biedl syndrome 1	Autosomal recessive
Syndromic Disorder	BBS10	Bardet-Biedl syndrome 10	Autosomal recessive
Syndromic Disorder	BBS12	Bardet-Biedl syndrome 12	Autosomal recessive
Syndromic Disorder	BBS2	Bardet-Biedl syndrome 2	Autosomal recessive
Syndromic Disorder	BBS4	Bardet-Biedl syndrome 4	Autosomal recessive
Syndromic Disorder	BBS5	Bardet-Biedl syndrome 5	Autosomal recessive
Syndromic Disorder	BBS7	Bardet-Biedl syndrome 7	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	BBS9	Bardet-Biedl syndrome 9	Autosomal recessive
Syndromic Disorder	BCAP31	Deafness, dystonia, and cerebral hypomyelination	X-linked recessive
Syndromic Disorder	BCL11A	Dias-Logan syndrome	Autosomal dominant
Syndromic Disorder	BCOR	Microphthalmia, syndromic 2	X-linked dominant
Syndromic Disorder	BCS1L	Bjornstad syndrome; GRACILE syndrome; Leigh syndrome; Mitochondrial complex III deficiency, nuclear type 1	Autosomal recessive
Syndromic Disorder	BGN	Meester-Loeys syndrome; Spondyloepimetaphyseal dysplasia, X-linked	X-linked
Syndromic Disorder	BICD2	Spinal muscular atrophy, lower extremity-predominant, 2, AD	Autosomal dominant
Syndromic Disorder	BLM	Bloom syndrome	Autosomal recessive
Syndromic Disorder	BMP15	Ovarian dysgenesis 2; Premature ovarian failure 4	X-linked
Syndromic Disorder	BMP4	Microphthalmia, syndromic 6	Autosomal dominant
Syndromic Disorder	BMPER	Diaphanospondylodysostosis	Autosomal recessive
Syndromic Disorder	BMPR1B	Brachydactyly, type A1, D; Brachydactyly, type A2	Autosomal dominant
Syndromic Disorder	BRAF	Cardiofaciocutaneous syndrome; Noonan syndrome 7	Autosomal dominant
Syndromic Disorder	BUB1B	Mosaic variegated aneuploidy syndrome 1	Autosomal recessive
Syndromic Disorder	C1S	Ehlers-Danlos syndrome, periodontal type, 2	Autosomal dominant
Syndromic Disorder	CANT1	Desbuquois dysplasia 1	Autosomal recessive
Syndromic Disorder	CASK	Intellectual developmental disorder and microcephaly with pontine and cerebellar hypoplasia	X-linked dominant
Syndromic Disorder	CBL	Noonan syndrome-like disorder with or without juvenile myelomonocytic leukemia	Autosomal dominant
Syndromic Disorder	CC2D2A	COACH syndrome; Joubert syndrome 9; Meckel syndrome 6	Autosomal recessive
Syndromic Disorder	CCBE1	Hennekam lymphangiectasia-lymphedema syndrome 1	Autosomal recessive
Syndromic Disorder	CD81	Immunodeficiency, common variable, 6	Autosomal recessive
Syndromic Disorder	CDC45	Meier-Gorlin syndrome 7	Autosomal recessive
Syndromic Disorder	CDH3	Ectodermal dysplasia, ectrodactyly, and macular dystrophy; Hypotrichosis, congenital, with juvenile macular dystrophy	Autosomal recessive
Syndromic Disorder	CDK13	Congenital heart defects, dysmorphic facial features, and intellectual developmental disorder	Autosomal dominant
Syndromic Disorder	CDK5RAP2	Microcephaly 3, primary, autosomal recessive	Autosomal recessive
Syndromic Disorder	CDKN1C	Beckwith-Wiedemann syndrome	Autosomal dominant
Syndromic Disorder	CDON	Holoprosencephaly 11	Autosomal dominant
Syndromic Disorder	CENPF	Stromme syndrome	Autosomal recessive
Syndromic Disorder	CEP152	Seckel syndrome 5	Autosomal recessive
Syndromic Disorder	CEP164	Nephronophthisis 15	Autosomal recessive
Syndromic Disorder	CEP41	Joubert syndrome 15	Autosomal recessive
Syndromic Disorder	CEP78	Cone-rod dystrophy and hearing loss	Autosomal recessive
Syndromic Disorder	CHD7	CHARGE syndrome; Hypogonadotropic hypogonadism 5 with or without anosmia	Autosomal dominant
Syndromic Disorder	CHMP1A	Pontocerebellar hypoplasia, type 8	Autosomal recessive
Syndromic Disorder	CHRNA1	Myasthenic syndrome, congenital, 1B, fast-channel	Autosomal dominant

GENE LIST FOR HEREDITARY DISEASE RISK

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	CHRNA1	Myasthenic syndrome, congenital, 1A, slow-channel	Autosomal dominant
Syndromic Disorder	CHRNA1	Myasthenic syndrome, congenital, 2A, slow-channel	Autosomal dominant
Syndromic Disorder	CHRNA1	Multiple pterygium syndrome, lethal type	Autosomal recessive
Syndromic Disorder	CHRNA1	Escobar syndrome; Multiple pterygium syndrome, lethal type	Autosomal recessive
Syndromic Disorder	CLPP	Perrault syndrome 3	Autosomal recessive
Syndromic Disorder	CLRN1	Retinitis pigmentosa 61; Usher syndrome, type 3A	Autosomal recessive
Syndromic Disorder	CNNM4	Jalili syndrome	Autosomal recessive
Syndromic Disorder	COG6	Congenital disorder of glycosylation, type III; Shaheen syndrome	Autosomal recessive
Syndromic Disorder	COL11A2	Fibrochondrogenesis 2; Ootospondylomegalaphyseal dysplasia	Autosomal recessive
Syndromic Disorder	COL17A1	Epidermolysis bullosa, junctional, localisata variant; Epidermolysis bullosa, junctional, non-Herlitz type	Autosomal recessive
Syndromic Disorder	COL3A1	Ehlers-Danlos syndrome, type IV	Autosomal dominant
Syndromic Disorder	COL4A3	Alport syndrome	Autosomal dominant; Autosomal recessive
Syndromic Disorder	COL4A4	Alport syndrome	Autosomal dominant; Autosomal recessive
Syndromic Disorder	COL4A5	Alport syndrome	X-linked dominant
Syndromic Disorder	COL5A1	Ehlers-Danlos syndrome, classic type	Autosomal dominant
Syndromic Disorder	COL9A1	Stickler syndrome, type IV	Autosomal recessive
Syndromic Disorder	COQ2	Coenzyme Q10 deficiency, primary, 1	Autosomal recessive
Syndromic Disorder	COX15	Cardioencephalomyopathy, fatal infantile, due to cytochrome c oxidase deficiency 2; Leigh syndrome due to cytochrome c oxidase deficiency	Autosomal recessive
Syndromic Disorder	CPLANE1	Joubert syndrome 17; Orofaciodigital syndrome VI	Autosomal recessive
Syndromic Disorder	CREBBP	Rubinstein-Taybi syndrome 1	Autosomal dominant
Syndromic Disorder	CSPPI	Joubert syndrome 21	Autosomal recessive
Syndromic Disorder	CTC1	Cerebroretinal microangiopathy with calcifications and cysts	Autosomal recessive
Syndromic Disorder	CTNNB1	Intellectual functioning disability	Autosomal dominant
Syndromic Disorder	CTNS	Cystinosis, nephropathic	Autosomal recessive
Syndromic Disorder	CTSC	Haim-Munk syndrome; Papillon-Lefevre syndrome	Autosomal recessive
Syndromic Disorder	CYP27A1	Cerebrotendinous xanthomatosis	Autosomal recessive
Syndromic Disorder	DCAF17	Woodhouse-Sakati syndrome	Autosomal recessive
Syndromic Disorder	DDR2	Spondylometaphyseal dysplasia, short limb-hand type	Autosomal recessive
Syndromic Disorder	DDX11	Warsaw breakage syndrome	Autosomal recessive
Syndromic Disorder	DHCR7	Smith-Lemli-Opitz syndrome	Autosomal recessive
Syndromic Disorder	DHODH	Miller syndrome	Autosomal recessive
Syndromic Disorder	DIS3L2	Perlman syndrome	Autosomal recessive
Syndromic Disorder	DKC1	Dyskeratosis congenita	X-linked recessive
Syndromic Disorder	DLG4	Intellectual developmental disorder, autosomal dominant 62	Autosomal dominant
Syndromic Disorder	DNA2	Progressive external ophthalmoplegia with mitochondrial DNA deletions, autosomal dominant 6	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	DNAI1	Ciliary dyskinesia, primary, 1, with or without situs inversus	Autosomal recessive
Syndromic Disorder	DNMT3A	Tatton-Brown-Rahman syndrome	Autosomal dominant
Syndromic Disorder	DOCK6	Adams-Oliver syndrome 2	Autosomal recessive
Syndromic Disorder	DOLK	Congenital disorder of glycosylation, type Im	Autosomal recessive
Syndromic Disorder	DPAGT1	Congenital disorder of glycosylation, type Ij; Myasthenic syndrome, congenital, 13, with tubular aggregates	Autosomal recessive
Syndromic Disorder	DTNBP1	Hermansky-Pudlak syndrome 7	Autosomal recessive
Syndromic Disorder	DVL1	Robinow syndrome	Autosomal dominant
Syndromic Disorder	DVL3	Robinow syndrome	Autosomal dominant
Syndromic Disorder	DYNC2H1	Short-rib thoracic dysplasia 3 with or without polydactyly	Autosomal recessive
Syndromic Disorder	ECM1	Urbach-Wiethe disease	Autosomal recessive
Syndromic Disorder	EDAR	Ectodermal dysplasia	Autosomal recessive
Syndromic Disorder	EDARADD	Ectodermal dysplasia 11A, hypohidrotic/hair/tooth type, autosomal dominant	Autosomal dominant
Syndromic Disorder	EDN3	Waardenburg syndrome, type 4B	Autosomal dominant
Syndromic Disorder	EDNRB	Hirschsprung disease, susceptibility to, 2; Waardenburg syndrome, type 4A	Autosomal dominant
Syndromic Disorder	EHMT1	Kleefstra syndrome	Autosomal dominant
Syndromic Disorder	EMC1	Cerebellar atrophy, visual impairment, and psychomotor retardation	Autosomal recessive
Syndromic Disorder	ENAM	Amelogenesis imperfecta	Autosomal dominant
Syndromic Disorder	EP300	Rubinstein-Taybi syndrome 2	Autosomal dominant
Syndromic Disorder	EPG5	Vici syndrome	Autosomal recessive
Syndromic Disorder	ERCC6	Cerebrooculofacioskeletal syndrome 1; Cockayne syndrome, type B; De Sanctis-Cacchione syndrome	Autosomal recessive
Syndromic Disorder	ERCC8	Cockayne syndrome, type A	Autosomal recessive
Syndromic Disorder	ESCO2	Roberts syndrome	Autosomal recessive
Syndromic Disorder	EYA1	Branchiootic syndrome 1; Branchiootorenal syndrome 1, with or without cataracts	Autosomal dominant
Syndromic Disorder	EZH2	Weaver syndrome	Autosomal dominant
Syndromic Disorder	FAM111A	Gracile bone dysplasia; Kenny-Caffey syndrome, type 2	Autosomal dominant
Syndromic Disorder	FAT4	Hennekam lymphangiectasia-lymphedema syndrome 2; Van Maldergem syndrome 2	Autosomal recessive
Syndromic Disorder	FBN1	Marfan syndrome	Autosomal dominant
Syndromic Disorder	FBN2	Contractural arachnodactyly, congenital	Autosomal dominant
Syndromic Disorder	FBXL4	Mitochondrial DNA depletion syndrome 13 (encephalomyopathic type)	Autosomal recessive
Syndromic Disorder	FECH	Erythropoietic protoporphyria	Autosomal recessive
Syndromic Disorder	FGD1	Intellectual developmental disorder, X-linked syndromic 16	X-linked recessive
Syndromic Disorder	FGF10	Aplasia of lacrimal and salivary glands; LADD syndrome	Autosomal dominant
Syndromic Disorder	FGF12	Epileptic encephalopathy, early infantile, 47	Autosomal dominant
Syndromic Disorder	FGF3	Deafness, congenital with inner ear agenesis, microtia, and microdontia	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	FGFR1	Hartsfield syndrome; Hypogonadotropic hypogonadism 2 with or without anosmia; Pfeiffer syndrome	Autosomal dominant
Syndromic Disorder	FGFR2	Craniosynostosis syndrome; Crouzon syndrome; Pfeiffer syndrome	Autosomal dominant
Syndromic Disorder	FHL1	Emery-Dreifuss muscular dystrophy 6, X-linked; Myopathy, X-linked, with postural muscle atrophy	X-linked recessive
Syndromic Disorder	FKBP14	Ehlers-Danlos syndrome kyphoscoliotic type	Autosomal recessive
Syndromic Disorder	FKTN	Cardiomyopathy, dilated, 1X; Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 4	Autosomal recessive
Syndromic Disorder	FLNB	Boomerang dysplasia; Larsen syndrome	Autosomal dominant
Syndromic Disorder	FLT4	Congenital heart defects, multiple types, 3; Lymphedema, hereditary, 1A	Autosomal dominant
Syndromic Disorder	FOXP1	Rett syndrome, congenital variant	Autosomal dominant
Syndromic Disorder	FOXRED1	Leigh syndrome due to mitochondrial complex I deficiency; Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	FRAS1	Fraser syndrome	Autosomal recessive
Syndromic Disorder	FREM1	Bifid nose with or without anorectal and renal anomalies; Manitoba oculotrichoanal syndrome	Autosomal recessive
Syndromic Disorder	FREM2	Fraser syndrome	Autosomal recessive
Syndromic Disorder	FXN	Friedreich ataxia; Friedreich ataxia with retained reflexes	Autosomal recessive
Syndromic Disorder	GATA3	Hypoparathyroidism, sensorineural deafness, and renal dysplasia	Autosomal dominant
Syndromic Disorder	GATA6	Atrial septal defect 9; Atrioventricular septal defect 5; Pancreatic agenesis and congenital heart defects; Tetralogy of Fallot	Autosomal dominant
Syndromic Disorder	GDF2	Telangiectasia, hereditary hemorrhagic, type 5	Autosomal dominant
Syndromic Disorder	GJA1	Atrioventricular septal defect 3; Oculodentodigital dysplasia	Autosomal dominant
Syndromic Disorder	GLA	Fabry disease	X-linked
Syndromic Disorder	GLE1	Lethal congenital contracture syndrome 1	Autosomal recessive
Syndromic Disorder	GLI3	Greig cephalopolysyndactyly syndrome; Pallister-Hall syndrome	Autosomal dominant
Syndromic Disorder	GLUL	Glutamine deficiency, congenital	Autosomal recessive
Syndromic Disorder	GNPAT	Rhizomelic chondrodysplasia punctata, type 2	Autosomal recessive
Syndromic Disorder	GNPTAB	Mucopolidosis II alpha/beta; Mucopolidosis III alpha/beta	Autosomal recessive
Syndromic Disorder	GNS	Mucopolysaccharidosis type IIID	Autosomal recessive
Syndromic Disorder	GPC6	Omodysplasia 1	Autosomal recessive
Syndromic Disorder	GPDI	Hypertriglyceridemia, transient infantile	Autosomal recessive
Syndromic Disorder	GPSM2	Chudley-McCullough syndrome	Autosomal recessive
Syndromic Disorder	GRHL3	Van der Woude syndrome 2	Autosomal dominant
Syndromic Disorder	GRIP1	Fraser syndrome	Autosomal recessive
Syndromic Disorder	GSN	Amyloidosis, Finnish type	Autosomal dominant
Syndromic Disorder	GTF2H5	Trichothiodystrophy 3, photosensitive	Autosomal recessive
Syndromic Disorder	GUSB	Mucopolysaccharidosis VII	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	HACE1	Spastic paraplegia and psychomotor retardation with or without seizures	Autosomal recessive
Syndromic Disorder	HDAC8	Cornelia de Lange syndrome 5	X-linked dominant
Syndromic Disorder	HELLS	Immunodeficiency-centromeric instability-facial anomalies syndrome 4	Autosomal recessive
Syndromic Disorder	HGSNAT	Mucopolysaccharidosis type IIIC (Sanfilippo C)	Autosomal recessive
Syndromic Disorder	HNRNP2	Intellectual developmental disorder, X-linked syndromic, Bain type	X-linked dominant
Syndromic Disorder	HOXA1	Athabaskan brainstem dysgenesis syndrome; Bosley-Salih-Alorainy syndrome	Autosomal recessive
Syndromic Disorder	HPRT1	Lesch-Nyhan syndrome	X-linked recessive
Syndromic Disorder	HPS1	Hermansky-Pudlak syndrome 1	Autosomal recessive
Syndromic Disorder	HPS3	Hermansky-Pudlak syndrome 3	Autosomal recessive
Syndromic Disorder	HPS4	Hermansky-Pudlak syndrome 4	Autosomal recessive
Syndromic Disorder	HPS5	Hermansky-Pudlak syndrome 5	Autosomal recessive
Syndromic Disorder	HPS6	Hermansky-Pudlak syndrome 6	Autosomal recessive
Syndromic Disorder	HPSE2	Urofacial syndrome 1	Autosomal recessive
Syndromic Disorder	HRAS	Congenital myopathy with excess of muscle spindles; Costello syndrome	Autosomal dominant
Syndromic Disorder	HSPG2	Dyssegmental dysplasia, Silverman-Handmaker type; Schwartz-Jampel syndrome, type 1	Autosomal recessive
Syndromic Disorder	HUWE1	Intellectual developmental disorder, X-linked syndromic, Turner type	X-linked
Syndromic Disorder	HYLS1	Hydroletharus syndrome	Autosomal recessive
Syndromic Disorder	IDS	Mucopolysaccharidosis II	X-linked recessive
Syndromic Disorder	IDUA	Mucopolysaccharidosis I	Autosomal recessive
Syndromic Disorder	IER3IP1	Microcephaly, epilepsy, and diabetes syndrome	Autosomal recessive
Syndromic Disorder	IFT140	Retinitis pigmentosa; Short-rib thoracic dysplasia 9 with or without polydactyly	Autosomal recessive
Syndromic Disorder	IFT43	Short-rib thoracic dysplasia 18 with polydactyly	Autosomal recessive
Syndromic Disorder	IFT80	Short-rib thoracic dysplasia 2 with or without polydactyly	Autosomal recessive
Syndromic Disorder	INPP5E	Intellectual deficit, truncal obesity, retinal dystrophy, and micropenis; Joubert syndrome 1	Autosomal recessive
Syndromic Disorder	INSR	Leprechaunism syndrome; Rabson-Mendenhall syndrome	Autosomal recessive
Syndromic Disorder	IQCB1	Senior-Loken syndrome 5	Autosomal recessive
Syndromic Disorder	ITCH	Autoimmune disease, multisystem, with facial dysmorphism	Autosomal recessive
Syndromic Disorder	ITGA6	Epidermolysis bullosa, junctional, with pyloric stenosis	Autosomal recessive
Syndromic Disorder	ITGA7	Muscular dystrophy, congenital, due to ITGA7 deficiency	Autosomal recessive
Syndromic Disorder	ITGB4	Epidermolysis bullosa, junctional, non-Herlitz type; Epidermolysis bullosa, junctional, with pyloric atresia	Autosomal recessive
Syndromic Disorder	JAG1	Alagille syndrome 1	Autosomal dominant
Syndromic Disorder	JUP	Naxos disease	Autosomal recessive
Syndromic Disorder	KANSL1	Koolen-De Vries syndrome	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	KCNC3	Spinocerebellar ataxia 13	Autosomal dominant
Syndromic Disorder	KCND3	Brugada syndrome 9; Spinocerebellar ataxia 19	Autosomal dominant
Syndromic Disorder	KCNJ10	SESAME syndrome	Autosomal recessive
Syndromic Disorder	KCNJ5	Hyperaldosteronism, familial, type III; Long QT syndrome 13	Autosomal dominant
Syndromic Disorder	KDM6A	Kabuki syndrome 2	X-linked dominant
Syndromic Disorder	KIAA0586	Joubert syndrome 23; Short-rib thoracic dysplasia 14 with polydactyly	Autosomal recessive
Syndromic Disorder	KIDINS220	Spastic paraplegia, intellectual disability, nystagmus, and obesity	Autosomal dominant
Syndromic Disorder	KIF11	Microcephaly with or without chorioretinopathy, lymphedema, or intellectual deficit	Autosomal dominant
Syndromic Disorder	KIF1B	Pheochromocytoma	Autosomal dominant
Syndromic Disorder	KIF5C	Cortical dysplasia, complex, with other brain malformations 2	Autosomal dominant
Syndromic Disorder	KMT2A	Wiedemann-Steiner syndrome	Autosomal dominant
Syndromic Disorder	KMT2D	Kabuki syndrome 1	Autosomal dominant
Syndromic Disorder	KRAS	Cardiofaciocutaneous syndrome 2; Noonan syndrome 3	Autosomal dominant
Syndromic Disorder	KRIT1	Cerebral cavernous malformations-1	Autosomal dominant
Syndromic Disorder	LAMA1	Poretti-Boltshauser syndrome	Autosomal recessive
Syndromic Disorder	LAMA3	Epidermolysis bullosa, junctional, Herlitz type; Epidermolysis bullosa, junctional, non-Herlitz type; Laryngoonychocutaneous syndrome	Autosomal recessive
Syndromic Disorder	LAMB1	Lissencephaly 5	Autosomal recessive
Syndromic Disorder	LAMB3	Epidermolysis bullosa, junctional, non-Herlitz type	Autosomal recessive
Syndromic Disorder	LAMC2	Epidermolysis bullosa, junctional, Herlitz type; Epidermolysis bullosa, junctional, non-Herlitz type	Autosomal recessive
Syndromic Disorder	LARP7	Alazami syndrome	Autosomal recessive
Syndromic Disorder	LARS2	Perrault syndrome 4	Autosomal recessive
Syndromic Disorder	LEMD3	Buschke-Ollendorff syndrome; Osteopoikilosis	Autosomal dominant
Syndromic Disorder	LIG4	LIG4 syndrome	Autosomal recessive
Syndromic Disorder	LINS1	Intellectual functioning disability	Autosomal recessive
Syndromic Disorder	LMX1B	Nail-patella syndrome	Autosomal dominant
Syndromic Disorder	LRIG2	Urofacial syndrome 2	Autosomal recessive
Syndromic Disorder	LRP2	Donnai-Barrow syndrome	Autosomal recessive
Syndromic Disorder	LRP5	Exudative vitreoretinopathy 4	Autosomal dominant
Syndromic Disorder	LRP5	Osteoporosis-pseudoglioma syndrome	Autosomal recessive
Syndromic Disorder	LRP5	Osteosclerosis	Autosomal dominant
Syndromic Disorder	LRP6	Tooth agenesis, selective, 7	Autosomal dominant
Syndromic Disorder	LRPPRC	Leigh syndrome, French-Canadian type	Autosomal recessive
Syndromic Disorder	LTBP3	Dental anomalies and short stature	Autosomal recessive
Syndromic Disorder	LTBP4	Inherited cutis laxa	Autosomal recessive
Syndromic Disorder	LYST	Chediak-Higashi syndrome	Autosomal recessive
Syndromic Disorder	LZTFL1	Bardet-Biedl syndrome 17	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	LZTR1	Schwannomatosis-2, susceptibility to	Autosomal dominant
Syndromic Disorder	MAFB	Duane retraction syndrome 3; Multicentric carpotarsal osteolysis syndrome	Autosomal dominant
Syndromic Disorder	MAGEL2	Schaaf-Yang syndrome	Autosomal dominant
Syndromic Disorder	MAN2B1	Mannosidosis, alpha-, types I and II	Autosomal recessive
Syndromic Disorder	MAP2K1	Cardiofaciocutaneous syndrome 3	Autosomal dominant
Syndromic Disorder	MAP2K2	Cardiofaciocutaneous syndrome 4	Autosomal dominant
Syndromic Disorder	MAP3K7	Cardiospondylocarpofacial syndrome; Frontometaphyseal dysplasia 2	Autosomal dominant
Syndromic Disorder	MCOLN1	Mucopolipidosis IV	Autosomal recessive
Syndromic Disorder	MCPH1	Microcephaly 1, primary, autosomal recessive	Autosomal recessive
Syndromic Disorder	MED12	Lujan-Fryns syndrome; Opitz-Kaveggia syndrome	X-linked recessive
Syndromic Disorder	MED13L	Impaired intellectual development and distinctive facial features with or without cardiac defects; Transposition of the great arteries, dextro-looped 1	Autosomal dominant
Syndromic Disorder	MED17	Microcephaly, postnatal progressive, with seizures and brain atrophy	Autosomal recessive
Syndromic Disorder	MED25	Basel-Vanagait-Smirin-Yosef syndrome	Autosomal recessive
Syndromic Disorder	MEF2C	Neurodevelopmental disorder with hypotonia, stereotypic hand movements, and impaired language	Autosomal dominant
Syndromic Disorder	MEFV	Familial Mediterranean fever	Autosomal recessive
Syndromic Disorder	MEGF8	Carpenter syndrome 2	Autosomal recessive
Syndromic Disorder	MEIS2	Cleft palate, cardiac defects, and intellectual deficit	Autosomal dominant
Syndromic Disorder	MGP	Keutel syndrome	Autosomal recessive
Syndromic Disorder	MKKS	Bardet-Biedl syndrome 6; McKusick-Kaufman syndrome	Autosomal recessive
Syndromic Disorder	MKS1	Bardet-Biedl syndrome 13; Meckel syndrome 1	Autosomal recessive
Syndromic Disorder	MMAA	Methylmalonic aciduria, vitamin B12-responsive	Autosomal recessive
Syndromic Disorder	MMAB	Methylmalonic aciduria, vitamin B12-responsive, due to defect in synthesis of adenosylcobalamin, cblB complementation type	Autosomal recessive
Syndromic Disorder	MMACHC	Methylmalonic aciduria and homocystinuria, cblC type	Autosomal recessive
Syndromic Disorder	MMP21	Heterotaxy, visceral, 7, autosomal	Autosomal recessive
Syndromic Disorder	MNX1	Currarino syndrome	Autosomal dominant
Syndromic Disorder	MOGS	Congenital disorder of glycosylation, type IIb	Autosomal recessive
Syndromic Disorder	MPLKIP	Trichothiodystrophy 4, nonphotosensitive	Autosomal recessive
Syndromic Disorder	MSX1	Ectodermal dysplasia 3, Witkop type; Tooth agenesis, selective, 1, with or without orofacial cleft	Autosomal dominant
Syndromic Disorder	MSX2	Craniosynostosis 2; Parietal foramina 1	Autosomal dominant
Syndromic Disorder	MTOR	Smith-Kingsmore syndrome	Autosomal dominant
Syndromic Disorder	MVK	Hyper-IgD syndrome; Mevalonic aciduria	Autosomal recessive
Syndromic Disorder	MYBPC1	Arthrogryposis, distal, type 1B	Autosomal dominant
Syndromic Disorder	MYCN	Feingold syndrome 1	Autosomal dominant
Syndromic Disorder	MYH3	Distal arthrogryposis syndrome	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	MYH9	MYH9 related disease	Autosomal dominant
Syndromic Disorder	NBAS	Infantile liver failure syndrome 2; Short stature, optic nerve atrophy, and Pelger-Huet anomaly	Autosomal recessive
Syndromic Disorder	NDP	Norrie disease	X-linked recessive
Syndromic Disorder	NDUFAF2	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFAF5	Mitochondrial complex 1 deficiency	Autosomal recessive
Syndromic Disorder	NDUFAF6	Leigh syndrome due to mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFB3	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFS1	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFS2	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFS4	Leigh syndrome; Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFS6	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NDUFV1	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	NEU1	Sialidosis, type I; Sialidosis, type II	Autosomal recessive
Syndromic Disorder	NFIX	Marshall-Smith syndrome; Sotos syndrome 2	Autosomal dominant
Syndromic Disorder	NFKBIA	Ectodermal dysplasia, anhidrotic, with T-cell immunodeficiency	Autosomal dominant
Syndromic Disorder	NFU1	Multiple mitochondrial dysfunctions syndrome 1	Autosomal recessive
Syndromic Disorder	NHS	Nance-Horan syndrome	X-linked dominant
Syndromic Disorder	NIPBL	Cornelia de Lange syndrome 1	Autosomal dominant
Syndromic Disorder	NLRP7	Hydatidiform mole, recurrent, 1	Autosomal recessive
Syndromic Disorder	NOBOX	Premature ovarian failure 5	Autosomal dominant
Syndromic Disorder	NOBOX	Premature ovarian failure 5	Autosomal recessive
Syndromic Disorder	NOD2	Blau syndrome	Autosomal dominant
Syndromic Disorder	NODAL	Heterotaxy, visceral, 5	Autosomal dominant
Syndromic Disorder	NOG	Multiple synostoses syndrome 1; Symphalangism, proximal, 1A	Autosomal dominant
Syndromic Disorder	NOTCH1	Adams-Oliver syndrome 5; Aortic valve disease 1	Autosomal dominant
Syndromic Disorder	NOTCH2	Alagille syndrome 2; Hajdu-Cheney syndrome	Autosomal dominant
Syndromic Disorder	NPHP1	Joubert syndrome 4; Nephronophthisis 1, juvenile; Senior-Loken syndrome-1	Autosomal recessive
Syndromic Disorder	NPHP3	Renal-hepatic-pancreatic dysplasia 1	Autosomal recessive
Syndromic Disorder	NRAS	Noonan syndrome 6	Autosomal dominant
Syndromic Disorder	NSD1	Sotos syndrome 1	Autosomal dominant
Syndromic Disorder	NSDHL	CHILD syndrome	X-linked dominant
Syndromic Disorder	NTRK2	Epileptic encephalopathy	Autosomal dominant
Syndromic Disorder	NUBPL	Mitochondrial complex I deficiency	Autosomal recessive
Syndromic Disorder	OCA2	Albinism, brown oculocutaneous; Albinism, oculocutaneous, type II	Autosomal recessive
Syndromic Disorder	ORC1	Meier-Gorlin syndrome 1	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	OTX2	Microphthalmia, syndromic 5; Pituitary hormone deficiency, combined, 6; Retinal dystrophy, early-onset, with or without pituitary dysfunction	Autosomal dominant
Syndromic Disorder	PACS1	Schuurs-Hoeijmakers syndrome	Autosomal dominant
Syndromic Disorder	PAX3	Waardenburg syndrome, type 1; Waardenburg syndrome, type 3	Autosomal dominant
Syndromic Disorder	PCDH15	Usher syndrome type 1	Autosomal recessive
Syndromic Disorder	PCYT1A	Spondylometaphyseal dysplasia with cone-rod dystrophy	Autosomal recessive
Syndromic Disorder	PDCD10	Cerebral cavernous malformations 3	Autosomal dominant
Syndromic Disorder	PDE4D	Acrodysostosis 2, with or without hormone resistance	Autosomal dominant
Syndromic Disorder	PDGFRB	Myofibromatosis, infantile, 1	Autosomal dominant
Syndromic Disorder	PEX1	Peroxisome biogenesis disorder 1A (Zellweger)	Autosomal recessive
Syndromic Disorder	PEX13	Peroxisome biogenesis disorder 11A (Zellweger); Peroxisome biogenesis disorder 11B	Autosomal recessive
Syndromic Disorder	PEX14	Peroxisome biogenesis disorder 13A (Zellweger)	Autosomal recessive
Syndromic Disorder	PEX16	Peroxisome biogenesis disorder 8A (Zellweger)	Autosomal recessive
Syndromic Disorder	PEX19	Peroxisome biogenesis disorder 12A (Zellweger)	Autosomal recessive
Syndromic Disorder	PEX2	Peroxisome biogenesis disorder 5A (Zellweger); Peroxisome biogenesis disorder 5B	Autosomal recessive
Syndromic Disorder	PEX26	Peroxisome biogenesis disorder 7A (Zellweger); Peroxisome biogenesis disorder 7B	Autosomal recessive
Syndromic Disorder	PEX3	Peroxisome biogenesis disorder 10A (Zellweger)	Autosomal recessive
Syndromic Disorder	PEX5	Peroxisome biogenesis disorder 2A (Zellweger); Peroxisome biogenesis disorder 2B; Rhizomelic chondrodysplasia punctata, type 5	Autosomal recessive
Syndromic Disorder	PEX7	Rhizomelic chondrodysplasia punctata, type 1	Autosomal recessive
Syndromic Disorder	PGAP3	Hyperphosphatasia with intellectual deficit syndrome 4	Autosomal recessive
Syndromic Disorder	PHF6	Borjeson-Forssman-Lehmann syndrome	X-linked recessive
Syndromic Disorder	PHGDH	Neu-Laxova syndrome 1; Phosphoglycerate dehydrogenase deficiency	Autosomal recessive
Syndromic Disorder	PIEZO1	Dehydrated hereditary stomatocytosis with or without pseudohyperkalemia and/or perinatal edema	Autosomal dominant
Syndromic Disorder	PIEZO2	Arthrogryposis, distal, type 3; Arthrogryposis, distal, type 5	Autosomal dominant
Syndromic Disorder	PIGL	CHIME syndrome	Autosomal recessive
Syndromic Disorder	PIGN	Multiple congenital anomalies-hypotonia-seizures syndrome 1	Autosomal recessive
Syndromic Disorder	PIGV	Mabry syndrome	Autosomal recessive
Syndromic Disorder	PIK3R1	SHORT syndrome	Autosomal dominant
Syndromic Disorder	PIK3R2	Megalencephaly-polymicrogyria-polydactyly-hydrocephalus syndrome 1	Autosomal dominant
Syndromic Disorder	PITX2	Anterior segment dysgenesis 4; Axenfeld-Rieger syndrome, type 1	Autosomal dominant
Syndromic Disorder	PKD1L1	Heterotaxy, visceral, 8, autosomal	Autosomal recessive
Syndromic Disorder	PLCB4	Auriculocondylar syndrome 2	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	PLEC	Epidermolysis bullosa simplex with muscular dystrophy; Epidermolysis bullosa simplex with pyloric atresia; Muscular dystrophy, limb-girdle, type 2Q	Autosomal recessive
Syndromic Disorder	PLG	Plasminogen deficiency, type I	Autosomal recessive
Syndromic Disorder	PLK4	Microcephaly and chorioretinopathy, autosomal recessive, 2	Autosomal recessive
Syndromic Disorder	PLOD1	Ehlers-Danlos syndrome, type VI	Autosomal recessive
Syndromic Disorder	PNPLA6	Boucher-Neuhauser syndrome; Oliver-McFarlane syndrome; Spastic paraplegia	Autosomal recessive
Syndromic Disorder	PNPT1	Combined oxidative phosphorylation deficiency 13; Deafness, autosomal recessive 70	Autosomal recessive
Syndromic Disorder	POLG	Mitochondrial DNA depletion syndrome 4A (Alpers type); Mitochondrial DNA depletion syndrome 4B (MNGIE type); Mitochondrial recessive ataxia syndrome (includes SANDO and SCAE); Progressive external ophthalmoplegia	Autosomal dominant; Autosomal recessive
Syndromic Disorder	POLR1D	Treacher Collins syndrome 2	Autosomal dominant
Syndromic Disorder	POLR3A	Leukodystrophy, hypomyelinating, 7, with or without oligodontia and/or hypogonadotropic hypogonadism	Autosomal recessive
Syndromic Disorder	POMGNT1	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 3; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 3	Autosomal recessive
Syndromic Disorder	POMK	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 12	Autosomal recessive
Syndromic Disorder	POR	Antley-Bixler syndrome with genital anomalies and disordered steroidogenesis	Autosomal recessive
Syndromic Disorder	PPM1D	Intellectual developmental disorder with gastrointestinal difficulties and high pain threshold	Autosomal dominant
Syndromic Disorder	PPP1CB	Noonan syndrome-like disorder with loose anagen hair 2	Autosomal dominant
Syndromic Disorder	PRKAR1A	Carney complex, type 1	Autosomal dominant
Syndromic Disorder	PRMT7	Short stature, brachydactyly, intellectual developmental disability, and seizures	Autosomal recessive
Syndromic Disorder	PROKR2	Hypogonadotropic hypogonadism 3 with or without anosmia	Autosomal dominant
Syndromic Disorder	PRPS1	Arts syndrome	X-linked recessive
Syndromic Disorder	PSMB8	Autoinflammation, lipodystrophy, and dermatosis syndrome	Autosomal recessive
Syndromic Disorder	PUF60	Verheij syndrome	Autosomal dominant
Syndromic Disorder	PYCR1	Cutis laxa, autosomal recessive, type IIB; Cutis laxa, autosomal recessive, type IIIB	Autosomal recessive
Syndromic Disorder	QDPR	Hyperphenylalaninemia, BH4-deficient, C	Autosomal recessive
Syndromic Disorder	RAB23	Carpenter syndrome	Autosomal recessive
Syndromic Disorder	RAB3GAP1	Warburg micro syndrome 1	Autosomal recessive
Syndromic Disorder	RAB3GAP2	Martsolf syndrome	Autosomal recessive
Syndromic Disorder	RAD21	Cornelia de Lange syndrome 4	Autosomal dominant
Syndromic Disorder	RAD50	Nijmegen breakage syndrome-like disorder	Autosomal recessive
Syndromic Disorder	RAF1	Noonan syndrome 5	Autosomal dominant
Syndromic Disorder	RBBP8	Jawad syndrome; Seckel syndrome 2	Autosomal recessive
Syndromic Disorder	RBCK1	Polyglucosan body myopathy 1 with or without immunodeficiency	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	RBM8A	Thrombocytopenia-absent radius syndrome	Autosomal recessive
Syndromic Disorder	RECQL4	Baller-Gerold syndrome; RAPADILINO syndrome; Rothmund-Thomson syndrome	Autosomal recessive
Syndromic Disorder	RIN2	Macrocephaly, alopecia, cutis laxa, and scoliosis	Autosomal recessive
Syndromic Disorder	RIT1	Noonan syndrome 8	Autosomal dominant
Syndromic Disorder	RNF168	RIDDLE syndrome	Autosomal recessive
Syndromic Disorder	ROBO3	Gaze palsy, horizontal, with progressive scoliosis	Autosomal recessive
Syndromic Disorder	ROR2	Robinow syndrome	Autosomal recessive
Syndromic Disorder	ROR2	Brachydactyly, type B1	Autosomal dominant
Syndromic Disorder	RPGRIP1L	Meckel syndrome 5	Autosomal recessive
Syndromic Disorder	RPL35A	Diamond-Blackfan anemia 5	Autosomal dominant
Syndromic Disorder	RRM2B	Progressive external ophthalmoplegia with mitochondrial DNA deletions, autosomal dominant 5	Autosomal dominant
Syndromic Disorder	RRM2B	Mitochondrial DNA depletion syndrome 8A (encephalomyopathic type with renal tubulopathy); Mitochondrial DNA depletion syndrome 8B (MNGIE type)	Autosomal recessive
Syndromic Disorder	RSPO1	Palmo-plantar hyperkeratosis and true hermaphroditism; Palmo-plantar hyperkeratosis with squamous cell carcinoma of skin and sex reversal	Autosomal recessive
Syndromic Disorder	RSPO4	Anonychia congenita	Autosomal recessive
Syndromic Disorder	RSPRY1	Spondyloepimetaphyseal dysplasia, Faden-Alkuraya type	Autosomal recessive
Syndromic Disorder	RTEL1	Dyskeratosis congenita; Pulmonary fibrosis and/or bone marrow failure, telomere-related, 3	Autosomal dominant
Syndromic Disorder	RTN4IP1	Optic atrophy 10 with or without ataxia, impaired intellectual development and seizures	Autosomal recessive
Syndromic Disorder	SALL1	Townes-Brocks syndrome	Autosomal dominant
Syndromic Disorder	SAMHD1	Aicardi-Goutieres syndrome 5	Autosomal recessive
Syndromic Disorder	SATB2	Glass syndrome	Autosomal dominant
Syndromic Disorder	SBDS	Shwachman-Diamond syndrome	Autosomal recessive
Syndromic Disorder	SCARF2	Van den Ende-Gupta syndrome	Autosomal recessive
Syndromic Disorder	SCO1	Mitochondrial complex IV deficiency	Autosomal recessive
Syndromic Disorder	SDCCAG8	Bardet-Biedl syndrome 16	Autosomal recessive
Syndromic Disorder	SEPSECS	Pontocerebellar hypoplasia type 2D	Autosomal recessive
Syndromic Disorder	SERPING1	Angioedema, hereditary, types I and II	Autosomal dominant
Syndromic Disorder	SETBP1	Intellectual developmental disorder 29; Schinzel-Giedion midface retraction syndrome	Autosomal dominant
Syndromic Disorder	SETD5	Intellectual functioning disability	Autosomal dominant
Syndromic Disorder	SFXN4	Combined oxidative phosphorylation deficiency 18	Autosomal recessive
Syndromic Disorder	SGSH	Mucopolysaccharidosis type IIIA (Sanfilippo A)	Autosomal recessive
Syndromic Disorder	SH3PXD2B	Frank-ter Haar syndrome	Autosomal recessive
Syndromic Disorder	SHANK3	Phelan-McDermid syndrome	Autosomal dominant
Syndromic Disorder	SHOC2	Noonan-like syndrome with loose anagen hair	Autosomal dominant
Syndromic Disorder	SIL1	Marinesco-Sjogren syndrome	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	SIX1	Branchiootic syndrome 3	Autosomal dominant
Syndromic Disorder	SLC16A2	Allan-Herndon-Dudley syndrome	X-linked recessive
Syndromic Disorder	SLC24A5	Albinism, oculocutaneous, type VI	Autosomal recessive
Syndromic Disorder	SLC25A4	Mitochondrial DNA depletion syndrome 12A (cardiomyopathic type) AD; Progressive external ophthalmoplegia with mitochondrial DNA deletions, autosomal dominant 2	Autosomal dominant
Syndromic Disorder	SLC34A1	Hypercalcemia, infantile, 2	Autosomal recessive
Syndromic Disorder	SLC35A3	Autism spectrum disorder, epilepsy, arthrogryposis syndrome	Autosomal recessive
Syndromic Disorder	SLC45A2	Albinism, oculocutaneous, type IV	Autosomal recessive
Syndromic Disorder	SLC52A2	Brown-Vialetto-Van Laere syndrome 2	Autosomal recessive
Syndromic Disorder	SLITRK6	Deafness and myopia	Autosomal recessive
Syndromic Disorder	SMAD3	Loeys-Dietz syndrome 3	Autosomal dominant
Syndromic Disorder	SMARCA2	Nicolaides-Baraitser syndrome	Autosomal dominant
Syndromic Disorder	SMARCE1	Coffin-Siris syndrome 5; Meningioma, familial, susceptibility to	Autosomal dominant
Syndromic Disorder	SMC1A	Cornelia de Lange syndrome 2	X-linked dominant
Syndromic Disorder	SMC3	Cornelia de Lange syndrome 3	Autosomal dominant
Syndromic Disorder	SMS	Snyder-Robinson syndrome	X-linked recessive
Syndromic Disorder	SOS1	Noonan syndrome 4	Autosomal dominant
Syndromic Disorder	SOS2	Noonan syndrome 9	Autosomal dominant
Syndromic Disorder	SOX10	PCWH syndrome; Waardenburg syndrome, type 2E, with or without neurologic involvement; Waardenburg syndrome, type 4C	Autosomal dominant
Syndromic Disorder	SOX11	Coffin-Siris syndrome	Autosomal dominant
Syndromic Disorder	SOX17	Vesicoureteral reflux 3	Autosomal dominant
Syndromic Disorder	SOX2	Microphthalmia, syndromic 3; Optic nerve hypoplasia and abnormalities of the central nervous system	Autosomal dominant
Syndromic Disorder	SPART	Troyer syndrome	Autosomal recessive
Syndromic Disorder	SPATA5	Neurodevelopmental disorder with hearing loss, seizures, and brain abnormalities	Autosomal recessive
Syndromic Disorder	SPRED1	Legius syndrome	Autosomal dominant
Syndromic Disorder	SQSTM1	Frontotemporal dementia and/or amyotrophic lateral sclerosis 3; Myopathy, distal, with rimmed vacuoles; Paget disease of bone 3	Autosomal dominant
Syndromic Disorder	SRCAP	Floating-Harbor syndrome	Autosomal dominant
Syndromic Disorder	STIL	Microcephaly 7, primary, autosomal recessive	Autosomal recessive
Syndromic Disorder	STRA6	Microphthalmia, isolated, with coloboma 8; Microphthalmia, syndromic 9	Autosomal recessive
Syndromic Disorder	SUOX	Sulfite oxidase deficiency	Autosomal recessive
Syndromic Disorder	SURF1	Charcot-Marie-Tooth disease, type 4K; Leigh syndrome, due to COX IV deficiency	Autosomal recessive
Syndromic Disorder	TAFAZZIN	Barth syndrome	X-linked recessive
Syndromic Disorder	TBCE	Hypoparathyroidism-retardation-dysmorphism syndrome	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	TBX1	DiGeorge syndrome; Velocardiofacial syndrome	Autosomal dominant
Syndromic Disorder	TBX4	Ischiocoxopodopatellar syndrome	Autosomal dominant
Syndromic Disorder	TCF4	Pitt-Hopkins syndrome	Autosomal dominant
Syndromic Disorder	TCTN1	Joubert syndrome 13	Autosomal recessive
Syndromic Disorder	TCTN2	Joubert syndrome 24; Meckel syndrome 8	Autosomal recessive
Syndromic Disorder	TEK	Primary congenital glaucoma	Autosomal dominant
Syndromic Disorder	TERT	Dyskeratosis congenita	Autosomal dominant
Syndromic Disorder	TF	Atransferrinemia	Autosomal recessive
Syndromic Disorder	TFAP2A	Branchiooculofacial syndrome	Autosomal dominant
Syndromic Disorder	TGFB2	Loeys-Dietz syndrome 4	Autosomal dominant
Syndromic Disorder	TGFBR1	Loeys-Dietz syndrome 1	Autosomal dominant
Syndromic Disorder	TGFBR2	Loeys-Dietz syndrome 2	Autosomal dominant
Syndromic Disorder	TGIF1	Holoprosencephaly 4	Autosomal dominant
Syndromic Disorder	TIMM8A	Mohr-Tranebjaerg syndrome	X-linked recessive
Syndromic Disorder	TMCO1	Cerebro-facio-thoracic dysplasia	Autosomal recessive
Syndromic Disorder	TMEM127	Pheochromocytoma, susceptibility to	Autosomal dominant
Syndromic Disorder	TMEM138	Joubert syndrome 16	Autosomal recessive
Syndromic Disorder	TMEM216	Joubert syndrome 2	Autosomal recessive
Syndromic Disorder	TMEM231	Joubert syndrome 20; Meckel syndrome 11	Autosomal recessive
Syndromic Disorder	TMEM237	Joubert syndrome 14	Autosomal recessive
Syndromic Disorder	TMEM67	Joubert syndrome 6	Autosomal recessive
Syndromic Disorder	TMEM70	Mitochondrial complex V (ATP synthase) deficiency, nuclear type 2	Autosomal recessive
Syndromic Disorder	TNFSF11	Osteopetrosis, autosomal recessive 2	Autosomal recessive
Syndromic Disorder	TP63	ADULT syndrome; Ectrodactyly, ectodermal dysplasia, and cleft lip/palate syndrome 3	Autosomal dominant
Syndromic Disorder	TRIM37	Mulibrey nanism	Autosomal recessive
Syndromic Disorder	TRMT10A	Microcephaly, short stature, and impaired glucose metabolism 1	Autosomal recessive
Syndromic Disorder	TRMT5	Combined oxidative phosphorylation deficiency 26	Autosomal recessive
Syndromic Disorder	TRNT1	Sideroblastic anemia with B-cell immunodeficiency, periodic fevers, and developmental delay	Autosomal recessive
Syndromic Disorder	TRPV4	Hereditary motor and sensory neuropathy, type IIc; Metatropic dysplasia; Spondylometaphyseal dysplasia, Kozlowski type	Autosomal dominant
Syndromic Disorder	TSEN2	Pontocerebellar hypoplasia type 2B	Autosomal recessive
Syndromic Disorder	TSFM	Combined oxidative phosphorylation deficiency 3	Autosomal recessive
Syndromic Disorder	TSPEAR	Deafness, autosomal recessive 98	Autosomal recessive
Syndromic Disorder	TSPYL1	Sudden infant death with dysgenesis of the testes syndrome	Autosomal recessive
Syndromic Disorder	TTC19	Mitochondrial complex III deficiency, nuclear type 2	Autosomal recessive
Syndromic Disorder	TTC21B	Nephronophthisis 12; Short-rib thoracic dysplasia 4 with or without polydactyly	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Syndromic Disorder	TTC7A	Gastrointestinal defects and immunodeficiency syndrome	Autosomal recessive
Syndromic Disorder	TTC8	Bardet-Biedl syndrome 8	Autosomal recessive
Syndromic Disorder	TWIST1	Saethre-Chotzen syndrome	Autosomal dominant
Syndromic Disorder	TWNK	Progressive external ophthalmoplegia	Autosomal dominant
Syndromic Disorder	TYMP	Mitochondrial DNA depletion syndrome 1 (MNGIE type)	Autosomal recessive
Syndromic Disorder	TYR	Albinism, oculocutaneous, type IA; Albinism, oculocutaneous, type IB	Autosomal recessive
Syndromic Disorder	TYROBP	Nasu-Hakola disease	Autosomal recessive
Syndromic Disorder	TYRP1	Albinism, oculocutaneous, type III	Autosomal recessive
Syndromic Disorder	UBE3A	Angelman syndrome	Autosomal dominant
Syndromic Disorder	UBE3B	Kaufman oculocerebrofacial syndrome	Autosomal recessive
Syndromic Disorder	UBR1	Johanson-Blizzard syndrome	Autosomal recessive
Syndromic Disorder	USB1	Poikiloderma with neutropenia	Autosomal recessive
Syndromic Disorder	USH1C	Usher syndrome, type 1C	Autosomal recessive
Syndromic Disorder	USH1G	Usher syndrome, type 1G	Autosomal recessive
Syndromic Disorder	VIPAS39	Arthrogryposis, renal dysfunction, and cholestasis 2	Autosomal recessive
Syndromic Disorder	VPS13B	Cohen syndrome	Autosomal recessive
Syndromic Disorder	VPS33B	Arthrogryposis, renal dysfunction, and cholestasis 1	Autosomal recessive
Syndromic Disorder	VRK1	Pontocerebellar hypoplasia type 1A	Autosomal recessive
Syndromic Disorder	WAC	Desanto-Shinawi syndrome	Autosomal dominant
Syndromic Disorder	WDR19	Nephronophthisis 13; Senior-Loken syndrome 8	Autosomal recessive
Syndromic Disorder	WDR35	Cranioectodermal dysplasia 2; Short-rib thoracic dysplasia 7 with or without polydactyly	Autosomal recessive
Syndromic Disorder	WDR73	Galloway-Mowat syndrome	Autosomal recessive
Syndromic Disorder	WFS1	Wolfram syndrome	Autosomal recessive
Syndromic Disorder	WFS1	Sensorineural hearing loss; Wolfram-like syndrome	Autosomal dominant
Syndromic Disorder	WFS1	Wolfram-like syndrome	Autosomal dominant
Syndromic Disorder	WHRN	Usher syndrome, type 2D	Autosomal recessive
Syndromic Disorder	WNT1	Osteogenesis imperfecta, type XV	Autosomal recessive
Syndromic Disorder	WNT5A	Robinow syndrome, autosomal dominant 1	Autosomal dominant
Syndromic Disorder	WRN	Werner syndrome	Autosomal recessive
Syndromic Disorder	XRCC4	Short stature, microcephaly, and endocrine dysfunction	Autosomal recessive
Syndromic Disorder	YAP1	Coloboma, ocular, with or without hearing impairment, cleft lip/palate, and/or intellectual deficit	Autosomal dominant
Syndromic Disorder	YARS2	Myopathy, lactic acidosis, and sideroblastic anemia 2	Autosomal recessive
Syndromic Disorder	ZBTB24	Immunodeficiency-centromeric instability-facial anomalies syndrome-2	Autosomal recessive
Syndromic Disorder	ZC3H14	Intellectual developmental disorder, autosomal recessive 56	Autosomal recessive
Syndromic Disorder	ZEB2	Mowat-Wilson syndrome	Autosomal dominant
Syndromic Disorder	ZIC3	Congenital heart defects, nonsyndromic, 1, X-linked; VACTERL association, X-linked	X-linked recessive
Vision Disorder	ABCA4	Cone-rod dystrophy 3; Stargardt disease 1	Autosomal recessive

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Vision Disorder	ADAM9	Cone-rod dystrophy 9	Autosomal recessive
Vision Disorder	ADAMTSL4	Ectopia lentis et pupillae; Ectopia lentis, isolated, autosomal recessive	Autosomal recessive
Vision Disorder	AGBL5	Retinitis pigmentosa 75	Autosomal recessive
Vision Disorder	AIPL1	Leber congenital amaurosis 4	Autosomal recessive
Vision Disorder	ARL2BP	Retinitis pigmentosa with or without situs inversus	Autosomal recessive
Vision Disorder	ATF6	Achromatopsia 7	Autosomal recessive
Vision Disorder	ATOH7	Persistent hyperplastic primary vitreous, autosomal recessive	Autosomal recessive
Vision Disorder	BEST1	Macular dystrophy, vitelliform, 2; Vitreoretinopathopathy	Autosomal dominant
Vision Disorder	BEST1	Bestrophinopathy, autosomal recessive; Retinitis pigmentosa-50	Autosomal recessive
Vision Disorder	BFSP2	Cataract 12, multiple types	Autosomal dominant
Vision Disorder	C1QTNF5	Retinal degeneration, late-onset, autosomal dominant	Autosomal dominant
Vision Disorder	CABP4	Cone-rod synaptic disorder, congenital nonprogressive	Autosomal recessive
Vision Disorder	CACNA1F	Congenital stationary night blindness	X-linked
Vision Disorder	CACNA2D4	Retinal cone dystrophy 4	Autosomal recessive
Vision Disorder	CAPN5	Vitreoretinopathy, neovascular inflammatory	Autosomal dominant
Vision Disorder	CDHR1	Cone-rod dystrophy 15; Retinitis pigmentosa 65	Autosomal recessive
Vision Disorder	CEP290	Leber congenital amaurosis 10	Autosomal recessive
Vision Disorder	CERKL	Retinitis pigmentosa 26	Autosomal recessive
Vision Disorder	CFAP418	Bardet-Biedl syndrome 21; Cone-rod dystrophy 16	Autosomal recessive
Vision Disorder	CFH	Basal laminar drusen; Macular degeneration, age-related, 4	Autosomal dominant
Vision Disorder	CHM	Choroideremia	X-linked recessive
Vision Disorder	CHRD1	Megalocornea 1, X-linked	X-linked recessive
Vision Disorder	CHST6	Macular corneal dystrophy	Autosomal recessive
Vision Disorder	CNGA1	Retinitis pigmentosa 49	Autosomal recessive
Vision Disorder	CNGA3	Achromatopsia 2	Autosomal recessive
Vision Disorder	CNGB1	Retinitis pigmentosa 45	Autosomal recessive
Vision Disorder	CNGB3	Achromatopsia 3	Autosomal recessive
Vision Disorder	COL18A1	Knobloch syndrome, type 1	Autosomal recessive
Vision Disorder	CRB1	Leber congenital amaurosis 8; Retinitis pigmentosa	Autosomal recessive
Vision Disorder	CRX	Cone-rod retinal dystrophy-2; Leber congenital amaurosis 7	Autosomal dominant
Vision Disorder	CRYGC	Cataract 2, multiple types	Autosomal dominant
Vision Disorder	CYP1B1	Glaucoma 3A, primary open angle, congenital, juvenile, or adult onset	Autosomal recessive
Vision Disorder	CYP4V2	Bietti crystalline corneoretinal dystrophy	Autosomal recessive
Vision Disorder	DCN	Corneal dystrophy, congenital stromal	Autosomal dominant
Vision Disorder	DHDDS	Retinitis pigmentosa 59	Autosomal recessive
Vision Disorder	DRAM2	Cone-rod dystrophy 21	Autosomal recessive
Vision Disorder	EFEMP1	Doyle honeycomb degeneration of retina	Autosomal dominant
Vision Disorder	ELOVL4	Stargardt disease 3	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Vision Disorder	EPHA2	Cataract 6, multiple types	Autosomal dominant
Vision Disorder	EYS	Retinitis pigmentosa 25	Autosomal recessive
Vision Disorder	FAM161A	Retinitis pigmentosa 28	Autosomal recessive
Vision Disorder	FOXC1	Anterior segment dysgenesis 3, multiple subtypes; Axenfeld-Rieger syndrome, type 3	Autosomal dominant
Vision Disorder	FRMD7	Nystagmus 1, congenital, X-linked	X-linked
Vision Disorder	FYCO1	Cataract	Autosomal recessive
Vision Disorder	FZD4	Exudative vitreoretinopathy 1	Autosomal dominant
Vision Disorder	GJA3	Cataract 14, multiple types	Autosomal dominant
Vision Disorder	GNAT1	Night blindness, congenital stationary, autosomal dominant 3	Autosomal dominant
Vision Disorder	GNAT2	Achromatopsia 4	Autosomal recessive
Vision Disorder	GPR143	Ocular albinism, type I, Nettleship-Falls type	X-linked recessive
Vision Disorder	GPR179	Congenital stationary night blindness	Autosomal recessive
Vision Disorder	GRM6	Congenital stationary night blindness	Autosomal recessive
Vision Disorder	GUCA1A	Cone dystrophy-3; Cone-rod dystrophy 14	Autosomal dominant
Vision Disorder	GUCY2D	Leber congenital amaurosis 1	Autosomal recessive
Vision Disorder	IMPDH1	Leber congenital amaurosis 11; Retinitis pigmentosa 10	Autosomal dominant
Vision Disorder	IMPG1	Macular dystrophy, vitelliform, 4	Autosomal dominant
Vision Disorder	IMPG2	Retinitis pigmentosa 56	Autosomal recessive
Vision Disorder	KCNJ13	Leber congenital amaurosis 16	Autosomal recessive
Vision Disorder	KCNV2	Retinal cone dystrophy 3B	Autosomal recessive
Vision Disorder	KERA	Cornea plana	Autosomal recessive
Vision Disorder	KIZ	Retinitis pigmentosa	Autosomal recessive
Vision Disorder	KLHL7	Retinitis pigmentosa 42	Autosomal dominant
Vision Disorder	LCA5	Leber congenital amaurosis 5	Autosomal recessive
Vision Disorder	LIM2	Cataract 19, multiple types	Autosomal recessive
Vision Disorder	LRAT	Leber congenital amaurosis 14	Autosomal recessive
Vision Disorder	LRIT3	Congenital stationary night blindness	Autosomal recessive
Vision Disorder	LRPAP1	Myopia	Autosomal recessive
Vision Disorder	LTBP2	Glaucoma 3, primary congenital, D; Microspherophakia and/or megalocornea, with ectopia lentis and with or without secondary glaucoma; Weill-Marchesani syndrome	Autosomal recessive
Vision Disorder	MAK	Retinitis pigmentosa 62	Autosomal recessive
Vision Disorder	MERTK	Retinitis pigmentosa 38	Autosomal recessive
Vision Disorder	MFRP	Microphthalmia, isolated 5; Nanophthalmos 2	Autosomal recessive
Vision Disorder	MIP	Cataract 15, multiple types	Autosomal dominant
Vision Disorder	MYOC	Glaucoma 1A, primary open angle	Autosomal dominant
Vision Disorder	NMNAT1	Leber congenital amaurosis 9	Autosomal recessive
Vision Disorder	NR2E3	Enhanced S-cone syndrome; Retinitis pigmentosa 37	Autosomal recessive
Vision Disorder	NR2F1	Bosch-Boonstra-Schaaf optic atrophy syndrome	Autosomal dominant

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Vision Disorder	NRL	Retinitis pigmentosa 27	Autosomal dominant
Vision Disorder	NYX	Night blindness, congenital stationary (complete), 1A, X-linked	X-linked recessive
Vision Disorder	OPA1	Optic atrophy 1	Autosomal dominant
Vision Disorder	OPA3	Optic atrophy 3 with cataract	Autosomal dominant
Vision Disorder	OPN1LW	Colorblindness, protan	X-linked
Vision Disorder	P3H2	Myopia, high, with cataract and vitreoretinal degeneration	Autosomal recessive
Vision Disorder	PCARE	Retinitis pigmentosa 54	Autosomal recessive
Vision Disorder	PDE6A	Retinitis pigmentosa 43	Autosomal recessive
Vision Disorder	PDE6B	Retinitis pigmentosa-40	Autosomal recessive
Vision Disorder	PDE6C	Cone dystrophy 4	Autosomal recessive
Vision Disorder	PDE6H	Achromatopsia 6; Retinal cone dystrophy 3	Autosomal recessive
Vision Disorder	PIKFYVE	Corneal fleck dystrophy	Autosomal dominant
Vision Disorder	PITPNM3	Cone-rod dystrophy 5	Autosomal dominant
Vision Disorder	POC1B	Cone-rod dystrophy 20	Autosomal recessive
Vision Disorder	PRCD	Retinitis pigmentosa 36	Autosomal recessive
Vision Disorder	PRDM5	Brittle cornea syndrome 2	Autosomal recessive
Vision Disorder	PROM1	Retinitis pigmentosa 41	Autosomal recessive
Vision Disorder	PROM1	Cone-rod dystrophy 12; Macular dystrophy, retinal, 2	Autosomal dominant
Vision Disorder	PRPF3	Retinitis pigmentosa 18	Autosomal dominant
Vision Disorder	PRPF31	Retinitis pigmentosa 11	Autosomal dominant
Vision Disorder	PRPF6	Retinitis pigmentosa 60	Autosomal dominant
Vision Disorder	PRPF8	Retinitis pigmentosa 13	Autosomal dominant
Vision Disorder	PRPH2	Retinitis pigmentosa	Autosomal dominant
Vision Disorder	PXDN	Anterior segment dysgenesis 7, with sclerocornea	Autosomal recessive
Vision Disorder	RAB28	Cone-rod dystrophy 18	Autosomal recessive
Vision Disorder	RCBTB1	Retinal dystrophy with or without extraocular anomalies	Autosomal recessive
Vision Disorder	RD3	Leber congenital amaurosis 12	Autosomal recessive
Vision Disorder	RDH12	Leber congenital amaurosis 13	Autosomal recessive
Vision Disorder	RDH5	Fundus albipunctatus	Autosomal recessive
Vision Disorder	REEP6	Retinitis pigmentosa 77	Autosomal recessive
Vision Disorder	RHO	Retinitis pigmentosa	Autosomal dominant
Vision Disorder	RIMS1	Cone-rod dystrophy 7	Autosomal dominant
Vision Disorder	RLBP1	Newfoundland rod-cone dystrophy; Retinitis punctata albens	Autosomal recessive
Vision Disorder	ROM1	Retinitis pigmentosa	Autosomal dominant
Vision Disorder	RP1	Retinitis pigmentosa 1	Autosomal dominant
Vision Disorder	RP1	Retinitis pigmentosa 1	Autosomal recessive
Vision Disorder	RP1L1	Occult macular dystrophy	Autosomal dominant
Vision Disorder	RP2	Retinitis pigmentosa 2	X-linked

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DISEASE CATEGORY	GENE	CONDITION	INHERITANCE
Vision Disorder	RPE65	Leber congenital amaurosis 2; Retinitis pigmentosa 20	Autosomal recessive
Vision Disorder	RPGR	Cone-rod dystrophy, X-linked, 1; Macular degeneration, X-linked atrophic	X-linked recessive
Vision Disorder	RPGRIP1	Cone-rod dystrophy 13; Leber congenital amaurosis 6	Autosomal recessive
Vision Disorder	RS1	Retinoschisis	X-linked recessive
Vision Disorder	SAG	Oguchi disease-1; Retinitis pigmentosa 47	Autosomal recessive
Vision Disorder	SEMA4A	Cone-rod dystrophy 10; Retinitis pigmentosa 35	Autosomal recessive
Vision Disorder	SLC24A1	Congenital stationary night blindness	Autosomal recessive
Vision Disorder	SLC4A11	Corneal endothelial dystrophy; Corneal endothelial dystrophy and perceptive deafness	Autosomal recessive
Vision Disorder	SNRNP200	Retinitis pigmentosa 33	Autosomal dominant
Vision Disorder	SPATA7	Leber congenital amaurosis 3	Autosomal recessive
Vision Disorder	TACSTD2	Corneal dystrophy, gelatinous drop-like	Autosomal recessive
Vision Disorder	TDRD7	Cataract 36	Autosomal recessive
Vision Disorder	TIMP3	Sorsby fundus dystrophy	Autosomal dominant
Vision Disorder	TOPORS	Retinitis pigmentosa 31	Autosomal recessive
Vision Disorder	TRPM1	Congenital stationary night blindness	Autosomal recessive
Vision Disorder	TSPAN12	Exudative vitreoretinopathy 5	Autosomal dominant
Vision Disorder	TTLL5	Cone-rod dystrophy 19	Autosomal recessive
Vision Disorder	TULP1	Leber congenital amaurosis 15; Retinitis pigmentosa 14	Autosomal recessive
Vision Disorder	USH2A	Retinitis pigmentosa 39; Usher syndrome, type 2A	Autosomal recessive
Vision Disorder	VCAN	Wagner syndrome 1	Autosomal dominant
Vision Disorder	VSX2	Microphthalmia with coloboma 3; Microphthalmia, isolated 2	Autosomal recessive
Vision Disorder	ZNF469	Brittle cornea syndrome 1	Autosomal recessive

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GENE	TYPE	ALLELES
ABCG2	Decreased function	rs2231142
BCHE	Decreased function	NM_000055.4:c.1685-2A>G, NM_000055.4:c.1684+1G>T, NM_000055.4:c.1584T>A, NM_000055.4:c.1576C>T, NM_000055.4:c.1528G>T, NM_000055.4:c.1517+1G>T, NM_000055.4:c.1497G>A, NM_000055.4:c.1435G>T, NM_000055.4:c.1427dupT, NM_000055.4:c.1378G>T, NM_000055.4:c.1372dupT, NM_000055.4:c.1354C>T, NM_000055.4:c.1284C>A, NM_000055.2:c.1253G>T, NM_000055.4:c.1240delC, NM_000055.4:c.1222C>T, NM_000055.4:c.1183G>T, NM_000055.4:c.1158dupT, NM_000055.4:c.1158delT, NM_000055.4:c.1129G>T, NM_000055.4:c.1073dupT, NM_000055.4:c.1030C>T, NM_000055.4:c.1027dupA, NM_000055.4:c.1021A>T, NM_000055.4:c.1015C>T, NM_000055.4:c.895G>T, NM_000055.4:c.873T>A, NM_000055.4:c.824_827dupCTAA, NM_000055.4:c.793delT, NM_000055.4:c.757G>T, NM_000055.4:c.687delA, NM_000055.4:c.666_667delCT, NM_000055.4:c.662delC, NM_000055.4:c.619C>T, NM_000055.4:c.615G>A, NM_000055.4:c.611delA, NM_000055.4:c.495_498delAAGA, NM_000055.4:c.493delG, NM_000055.4:c.460_461delCA, NM_000055.4:c.439C>T, NM_000055.2:c.435_436insG, NM_000055.4:c.401dupA, NM_000055.4:c.352G>T, NM_000055.4:c.295C>T, NM_000055.4:c.206_207delTT, NM_000055.4:c.149delG, NM_000055.4:c.110delA, NM_000055.4:c.100delA, NM_000055.4:c.73A>T, NM_000055.4:c.44G>A
CACNA1S	Decreased function	rs550371466, rs772130841, rs1428157373, rs1553248947, rs201627041, rs1660729290, rs28930068, rs28930069, rs797045031, rs1800559, rs367983954, rs80338777, rs80338777T, rs1558075630, rs1322458975, rs148317787, rs772226819, rs201998231, rs1263658448, rs374950276
CFTR	Decreased function	rs75527207, rs267606723, rs193922525, rs80282562, rs121909013, rs74503330, rs121909041, rs121908755, rs121908757, rs78655421, rs397508537, rs397508513, rs121909020, rs200321110, rs186045772, rs75763344, rs186089140, rs77902683, rs140883683, rs386134230, rs397508721, rs77409459, rs397508758, rs397508678, rs151048781, rs77932196, rs397508440, rs142773283, rs397508783, rs397508378, rs397508621, rs121908768, rs397508784, rs121909016, rs397508616, rs397508744, rs397508436, rs397508602, rs397508573, rs144055758, rs77834169, rs397508572, rs376008630, rs397508300, rs397508256, rs121908752, rs397508442, rs75541969, rs368505753, rs141033578, rs121908753, rs74551128, rs113993958, rs121909005, rs78769542, rs202179988, rs397508759, rs397508288, rs397508444, rs2116683801, rs397508761, rs80224560, rs76151804, rs75039782
CYP1A2	No function	*24, *27
CYP1A2	Decreased function	*7, *8
CYP1A2	Normal function	*2, *5, *6, *12, *18, *19, *20
CYP1A2	Increased function	*10, *13, *14, *17, *22, *23, *30
CYP2C19	Uncertain function	*12, *14, *23, *29, *30, *31, *32, *33, *34, *39, *40, *41
CYP2C19	No function	*2, *3, *4, *5, *6, *7, *8, *22, *24, *35
CYP2C19	Decreased function	*9, *10, *16, *19, *25, *26
CYP2C19	Normal function	*1, *11, *13, *15, *18, *28
CYP2C19	Increased function	*17
CYP2C9	Uncertain function	*7, *10, *17, *18, *19, *20, *21, *22, *27, *32, *34, *36, *40, *41, *47, *48, *49, *51, *53, *54, *56, *57, *63, *64, *65, *66, *67, *68, *69, *70, *71, *72, *73, *74, *75, *76, *77, *78, *79, *80, *81, *82, *83, *84, *85, *86, *87, *88
CYP2C9	No function	*3, *6, *15, *24, *33, *35, *39, *42, *43, *45, *52, *62
CYP2C9	Decreased function	*2, *4, *5, *8, *11, *12, *13, *14, *16, *23, *26, *28, *29, *30, *31, *37, *38, *44, *46, *50, *55, *58, *59, *60, *61
CYP2C9	Normal function	*9
CYP2D6	Uncertain function	*22, *23, *24, *25, *26, *28, *32, *37, *43, *64, *65, *70, *71, *72, *73, *74, *75, *82, *83, *84, *85, *86, *87, *88, *89, *90, *93, *94, *95, *97, *98, *102, *103, *104, *105, *106, *107, *108, *110, *111, *112, *113, *115, *116, *117, *118, *121, *123, *125, *126, *127, *128, *130, *131, *133, *134, *135, *136, *137, *138, *139, *140, *141, *142, *146, *149, *150, *151, *152, *153, *154, *155, *157, *158, *159, *160, *162, *163, *164, *165, *166, *167, *168, *169, *170, *171, *172, *173, *174, *175, *176, *177, *178, *179, *180, *181, *182, *183, *184, *185

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GENE	TYPE	ALLELES
CYP2D6	No function	*3, *4, *5, *6, *7, *8, *11, *12, *15, *19, *20, *21, *31, *36, *38, *42, *44, *47, *51, *56, *60, *62, *69, *81, *92, *96, *99, *100, *114, *120, *124, *129, *143, *144, *156, *161
CYP2D6	Decreased function	*9, *10, *14, *17, *29, *41, *49, *50, *52, *54, *55, *59, *91, *109, *119, *132
CYP2D6	Normal function	*2, *27, *33, *34, *35, *39, *45, *46, *48, *53
CYP2D6	Amplification	*2xN, *3xN, *4xN, *6xN, *7xN, *8xN, *9xN, *10xN, *11xN, *12xN, *14xN, *15xN, *17xN, *19xN, *20xN, *21xN, *22xN, *23xN, *24xN, *25xN, *26xN, *27xN, *28xN, *29xN, *31xN, *32xN, *33xN, *34xN, *35xN, *36xN, *37xN, *38xN, *39xN, *41xN, *42xN, *43xN, *44xN, *45xN, *46xN, *47xN, *48xN, *49xN, *50xN, *51xN, *52xN, *53xN, *54xN, *55xN, *56xN, *59xN, *60xN, *62xN, *64xN, *65xN, *69xN, *70xN, *71xN, *72xN, *73xN, *74xN, *75xN, *81xN, *82xN, *83xN, *84xN, *85xN, *86xN, *87xN, *88xN, *89xN, *90xN, *91xN, *92xN, *93xN, *94xN, *95xN, *96xN, *97xN, *98xN, *99xN, *100xN, *102xN, *103xN, *104xN, *105xN, *106xN, *107xN, *108xN, *109xN, *110xN, *111xN, *112xN, *113xN, *114xN, *115xN, *116xN, *117xN, *118xN, *119xN, *120xN, *121xN, *122xN, *123xN, *124xN, *125xN, *126xN, *127xN, *128xN, *129xN, *130xN, *131xN, *132xN, *133xN, *134xN, *135xN, *136xN, *137xN, *138xN, *139xN, *140xN, *141xN, *142xN, *143xN, *144xN, *146xN, *149xN, *150xN, *151xN, *152xN, *153xN, *154xN, *155xN, *156xN, *157xN, *158xN, *159xN, *160xN, *161xN, *162xN, *163xN, *164xN, *165xN, *166xN, *167xN, *168xN, *169xN, *170xN, *171xN, *172xN, *173xN, *174xN, *175xN, *176xN, *177xN, *178xN, *179xN, *180xN, *181xN, *182xN, *183xN, *184xN, *185xN
CYP2D6	No function hybrid	*13, *68
CYP3A4	No function	*20
CYP3A4	Decreased function	*22
CYP3A5	Uncertain function	*8, *9
CYP3A5	No function	*3, *6, *7
CYP4F2	Uncertain function	*2, *5, *6, *7, *8, *9, *10, *11, *12, *13, *14, *15, *18, *20, *21, *22, *23
CYP4F2	No function	*3, *4
DPYD	No function	*2A, *2B, *3, *7, *8, *10, *12, *13, rs72549310, rs72549308, rs72549307, rs183385770, rs143154602, rs72549304, rs111858276, rs59086055, rs138616379, rs145773863, rs137999090, rs55674432, rs141044036, rs72547601, NM_000110.3:c.2911dupA, rs1057516968, rs1057516357, rs749571474, rs1553201476, NM_000110.3:c.966C>A, NM_000110.3:c.812delT, rs146170505, NM_000110.3:c.464T>A, rs1193078195, rs746368304, NM_000110.3:c.237C>A, NM_000110.3:c.101delA, rs1057516894, rs1057517230, rs1553212596, rs1057516873, rs1057517327, rs1057517271, rs1057516828, rs759372918, rs1553251907, rs1064796552, rs1057517396, rs1057517055, rs1440380546, rs1057516710, rs1057516388, rs1057516671, rs764584080, rs1057517018, rs1057516615, rs779948148, rs1057516761, rs1057517189, rs755031341, rs1553197926, rs1553201443, rs1057516711, rs1220608789, rs1057516997, rs672601289, rs776692894, rs141597515
DPYD	Decreased function	rs67376798, rs75017182, rs115232898, rs146356975, rs186169810, rs112766203, rs746991079, NM_000110.3:c.1740+2T>C, rs1300669537, rs377221676, rs1057517095, rs769167857, rs1057517126, rs1057516713, rs1057516696, rs1057517065, rs867460475, rs1057516763, rs1057516356, rs1553247675, rs1057516405, NM_000110.4:c.895C>T, NM_000110.4:c.997G>T, NM_000110.4:c.2650G>T
DPYD	Normal function	*4, *5, *6, *9A
F2	Decreased function	rs1799963
F5	Decreased function	rs6025
G6PD	I/Deficient with CNSHA	202A_376G_1264G, Aachen, Alhambra, Amiens, Amsterdam, Arakawa, Asahikawa, Aveiro, Bangkok, Bangkok Noi, Bari, Beverly Hills, Brighton, Buenos Aires, Calvo Mackenna, Campinas, Chikugo, Cincinnati, Cleveland Corum, Clinic, Covao do Lobo, Durham, Figuera da Foz, Fukaya, Georgia, Guadalajara, Harilaou, Harima, Hartford, Honiara, Iowa, Iwatsuki, Japan, Kawasaki, Kozukata, Krakow, La Jolla, Lille, Loma Linda, Lynwood, Madrid, Manhattan, Minnesota, Montpellier, Mt Sinai, Munich, Nashville, North Dallas, Olomouc, Omiya, Pedopolis Ckaro, Piotrkow, Plymouth, Praha, Puerto Limon, Rehivot, Riley, Riverside, Santiago, Santiago de Cuba, Serres, Shinshu, Stonybrook, Sugao, Sumare, Sunderland, Suwalki, Swansea, Telti, Tenri, Tokyo, Tomah, Torun, Tsukui, Urayasu, Utrecht, Vancouver, Villeurbanne, Volendam, Wayne, West Virginia, Wexham, Wisconsin
G6PD	II/Deficient	Abeno, Acrokorinthos, Amazonia, Anadia, Ananindeua, Andalus, Bao Loc, Belem, Cairo, Canton, Cassano, Chatham, Chinese1, Coimbra Shunde, Cosenza, Costanzo, Crispim, Farroupilha, Flores, Fushan, Haikou, Hechi, Hermoupolis, Irapetra, Kaiping, Kamogawa, Liuzhou, Ludhiana, Mediterranean, Miaoli, Mizushima, Namouru, Nankang, Naone, Nilgiri, Osaka, Partenope, Pawnee, Radlowo, Roubaix, S.Antioco, Santa Maria, Seoul, Shenzhen, Songklanagarind, Surabaya, Taipei, Toledo, Union, Valladolid, Vanua Lava, Viangchan

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GENE	TYPE	ALLELES
G6PD	<i>III/Deficient</i>	202A_376G, Asahi, Aures, Bajo Maumere, Chinese5, 680T_376G, 968C_376G, Nice, Gaohe, Guangzhou, Hammersmith, Illesha, Kalyan Kerala, Kambos, Kamiube, Lages, Lagosanto, Mahidol, Malaga, Metaponto, Mexico City, Montalbano, Murcia Oristano, Musashino, Nanning, Neapolis, Orissa, Palestrina, Quing Yan, Rignano, Salerno Pyrgos, Seatttle, Sibari, Sinnai, Split, Ube Konan
G6PD	<i>IV/Normal</i>	A, Insuli, Mira d'Aire, Sao Borja
IFNL3	<i>Decreased function</i>	rs12979860
NUDT15	<i>Uncertain function</i>	*11, *12, *15, *16, *20, *21
NUDT15	<i>No function</i>	*3, *4, *6, *7, *9, *10, *13, *14, *17, *18, *19
NUDT15	<i>Decreased function</i>	*5, *8
OPRM1	<i>Decreased function</i>	rs1799971
PCSK9	<i>Decreased function</i>	rs564427867, rs28942111, rs794728683, rs28942112, rs137852912, rs1553135971
POLG	<i>Decreased function</i>	rs1555453538, rs1332921412, NM_002693.2:c.3514_3517dupGACT, rs201732356, rs796052887, rs1447799185, rs1057518035, rs1567184117, NM_002693.2:c.421delC, NM_002693.2:c.3518T>A, rs1567191094, rs1567188632, rs778429780, rs796052906, rs113994094, rs113994096, rs1057517803, rs1567187326, rs753160398, rs1555452461, rs1335880349, rs796052907, rs1596348470, rs1131691575, rs1555452453, rs1057517891, NM_002693.2:c.3136G>T, rs139590686, rs1567186613, rs1596360430, rs763393580, NM_002693.2:c.1754G>A, rs776031396, rs1567185775, rs121918056, rs1064793800, rs144500145, rs774768199, rs1567192203, rs139562274, NM_002693.2:c.2772delG, rs1567192884, rs1567187103, rs121918044, rs1596359384, rs1064793493, rs1567185770, rs121918054, rs796052888, rs1254855971, rs867038717, rs1064794214, NM_002693.2:c.2842dupA, rs1596348339, rs778573169, rs761649878, rs1567188588, rs1567185026, rs1085307741, rs1567192879, rs1567185048, rs1555452607, rs767709505, rs113994095, rs375305567, rs796052908, rs763418954, NM_002693.2:c.3482+2T>C, rs1567191417, rs886043241, rs1283198587, NM_002693.2:c.1251-2A>T, rs1596350117, NM_002693.2:c.2894T>G, NM_002693.2:c.3595dupA, rs960142425, rs1596348443, rs548076633, rs1555453824, rs1021719232, rs778115255, rs1596352762, rs1596350386, rs751376824, rs769410130, rs113994097, rs769827124, rs1596352895, rs202039305, NM_002693.2:c.2544dupC, NM_002693.2:c.3626_3629dupGATA, rs1064794735, rs1567185603, rs796052919, rs121918047, rs1567187745, rs886041592, rs1596348547, NM_002693.2:c.2354dupG, rs747632869, NM_002693.2:c.1356T>G, rs139717885, rs113994101, rs765916932, NM_002693.2:c.3630C>G, rs1567193844, NM_002693.2:c.1171-1G>C, rs771623994, rs1064794213, rs267606959, rs113994098, NM_002693.2:c.1170+1G>A, NM_002693.2:c.229delC, NM_002693.2:c.1846delG, rs796052899, rs796052884, rs775445970, NM_002693.2:c.1585+2T>G, rs920850257, NM_002693.2:c.3576_3580dupAGTGA, rs2055345819, rs780379693, NM_002693.2:c.2690G>A, rs767138032, NM_002693.2:c.3570delG, NM_002693.2:c.2753G>A, NM_002693.2:c.268C>T, NM_002693.2:c.3326dupT, NM_002693.2:c.3619delG, NM_002693.2:c.1783_1786dupCAGA, NM_002693.2:c.2894_2897delTACT, NM_002693.2:c.1128_1129delGT, NM_002693.2:c.1783C>T, NM_002693.2:c.3104+1G>T, NM_002693.2:c.2070+2T>C, NM_002693.2:c.624C>A, NM_002693.2:c.287delG, NM_002693.2:c.1035G>A, rs113994096, NM_002693.2:c.3268_3269insT, NM_002693.2:c.1950-2A>G, NM_002693.2:c.2266-1G>A, NM_002693.2:c.3002delG, NM_002693.2:c.229C>T, NM_002693.2:c.2004delG, rs2055342899, NM_002693.2:c.846C>G, NM_002693.2:c.3304C>T, rs121918048, rs2055626123, NM_002693.2:c.2779delA, rs2055536585, NM_002693.2:c.659+1G>T, NM_002693.2:c.660-2A>G, rs2055505065, rs755552597, rs780953863, rs1326779034, rs1468115538, rs1567187837, rs775260762, rs1252078081, rs752172363, rs753410045, rs1567188178, rs775576189, rs2055358006, rs2055503614, rs121918049, rs1319481399, rs1483201828, rs368435864, rs1465650547, NM_002693.2:c.2923C>T, rs750514687, rs56047213, rs2055524549, rs1567183122, rs1567186614, rs1442498340, rs2055625602, rs761664802, rs121918051, rs2055309922, rs767708989, rs138917386, rs113994099, rs781311846, rs2055531147, rs142347031, rs1253517114
RS113993960	<i>Decreased function</i>	rs113993960
RS12777823	<i>Decreased function</i>	rs12777823

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GENE	TYPE	ALLELES
RYR1	Decreased function	rs193922744, rs193922746, rs193922747, rs193922748, rs193922750, rs118192161, rs193922753, rs193922757, NM_000540.3:c.533A>G, rs1801086, rs193922762, rs121918592, rs193922764, rs193922766, NM_000540.3:c.1202G>T, rs118192162, rs111888148, rs193922768, rs193922769, NM_000540.3:c.1615T>G, rs113812662, rs193922770, rs118192172, rs193922772, NM_000540.3:c.3166G>C, rs193922781, rs193922788, rs117886618, rs118192175, rs118192163, NM_000540.3:c.6488G>T, rs118192176, rs141646642, rs118192177, rs193922792, rs193922797, rs112563513, NM_000540.3:c.7035C>A, rs193922799, rs193922800, rs193922801, rs193922802, NM_000540.3:c.7060G>A, rs193922803, rs1387126664, rs762401851, rs193922805, NM_000540.3:c.7123G>A, rs193922807, rs193922809, rs193922810, rs121918593, rs28933396, rs193922812, rs118192124, rs118192123, rs193922816, rs118192122, rs28933397, rs121918594, NM_000540.3:c.7373G>T, rs118192178, rs193922818, rs914804033, rs193922826, rs193922832, rs193922839, rs148399313, rs193922843, rs193922844, rs193922852, NM_000540.3:c.12700G>T, rs193922867, rs193922868, rs121918595, rs193922876, rs193922878, NM_000540.3:c.14539G>C, rs118192168, rs113210953, NM_000540.3:c.14803G>A, rs146876145
SLCO1B1	Uncertain function	*2, *4, *6, *8, *10, *11, *16, *19, *24, *25, *26, *27, *28, *29, *30, *32, *33, *34, *36, *40, *42, *43, *44, *50, *51, *52, *53, *54, *55, *56, *57, *58
SLCO1B1	No function	*5, *9, *15, *23, *31, *39, *41, *47
SLCO1B1	Normal function	*37
SLCO1B1	Increased function	*14, *20
TPMT	Uncertain function	*9, *12, *19, *24, *30, *32, *35, *36, *40
TPMT	No function	*2, *3A, *3B, *3C, *4, *5, *6, *7, *10, *11, *13, *14, *15, *16, *17, *18, *20, *21, *22, *23, *25, *26, *27, *28, *29, *31, *33, *34, *37, *38, *39, *41, *42, *43, *44, *45, *46, *47
TPMT	Decreased function	*8
UGT1A1	Uncertain function	*80
UGT1A1	Decreased function	*6, *27, *28, *37, *80, *28, *80, *37, rs34993780, NM_000463.3:c.72dupG, rs587776765, NM_000463.3:c.164dupA, NM_000463.3:c.210delC, rs72551340, NM_000463.3:c.234_237dupGTAC, NM_000463.3:c.239_245delCTGTGCC, rs797046090, rs1575773272, NM_000463.3:c.266_267delAA, NM_000463.3:c.269_270delAG, NM_000463.3:c.319C>T, rs748219743, NM_000463.3:c.359_360delCT, NM_000463.3:c.380_381insGG, NM_000463.3:c.389dupT, rs587776763, NM_000463.3:c.488_491dupACCT, NM_000463.3:c.492_493delGT, rs773292758, rs72551341, NM_000463.3:c.558C>A, rs1205477836, NM_000463.3:c.576C>G, NM_000463.3:c.582delC, rs1697605792, rs766536479, rs72551343, NM_000463.3:c.652dupT, NM_000463.3:c.679dupT, rs797046091, rs1697640076, NM_000463.3:c.725delT, rs1412278754, NM_000463.3:c.749delC, NM_000463.3:c.801delC, rs281865418, rs1160983011, rs587776764, NM_000463.3:c.864+1G>T, rs772088902, rs1285708223, NM_000463.3:c.931delG, NM_000463.3:c.973delG, rs372326047, rs111033539, NM_000463.3:c.996+2_996+5delTAAG, NM_000463.3:c.996+1G>A, rs1559414567, rs1699508733, rs139607673, rs72551349, rs144978321, rs745655794, NM_000463.3:c.1047delG, NM_000463.3:c.1069dupC, rs72551350, rs587784535, rs587776766, rs1283652721, NM_000463.3:c.1186delG, rs558109660, rs758192306, rs1443955511, NM_000463.3:c.1270G>T, NM_000463.3:c.1304+1G>T, rs1212085876, rs72551357, NM_000463.3:c.1382G>A, NM_000463.3:c.1448G>A, rs866632307, NM_000463.3:c.1489delG, rs72551361, rs770564267
UGT1A1	Increased function	*36
VKORC1	Decreased function	rs9923231

DRUG LIST FOR PHARMACOGENOMICS FINDINGS

v10.0

GENE	DRUGS
ABCG2	Rosuvastatin (Crestor)
BCHE	Mivacurium (Mivacron), Succinylcholine (Quelicin), Tetracaine (Tetacaine)
CACNA1S	Desflurane (Suprane), Sevoflurane (Ultane), Isoflurane (Forane), Succinylcholine (Quelicin)
CFTR	Ivacaftor (Kalydeco)
CYP1A2	Tizanidine (Zanaflex), Olanzapine (Zyprexa), Clozapine (Clozaril), Chlorpromazine (Thorazine)
CYP2C19	Clopidogrel (Plavix), Omeprazole (Prilosec), Nelfinavir (Viracept), Lansoprazole (Prevacid), Sertraline (Zoloft), Citalopram (Celexa), Brivaracetam (Briviact), Esomeprazole (Nexium), Mavacamten (Camzyos), Clobazam (Onfi), Carisoprodol (Soma), Belzutifan (Welireg), Escitalopram (Lexapro), Phenytoin (Dilantin), Diazepam (Valium), Drospirenone (Slynd), Voriconazole (Vfend), Dexlansoprazole (Dexilant), Lacosamide (Vimpat), Rabeprazole (AcipHex), Vonoprazan (Voquezna), Formoterol (Foradil), Arformoterol (Brovana), Pantoprazole (Protonix), Flibanserine (Addyi), Abrocitinib (Cibinqo)
CYP2C9	Celecoxib (Celebrex), Piroxicam (Feldene), Phenytoin (Phenytek), Lornoxicam (Xefo), Flurbiprofen (Ansaid), Nateglinide (Starlix), Fluvastatin (Lescol), Ibuprofen (Advil), Seladelpar (Livdelzi), Dronabinol (Marinol), Lesinurad (Zurampic), Deuruxolitinib (Leqselvi), Rimegepant (Nurtec ODT), Etrasimod (Velsipity), Avatrombopag (Doptelet), Warfarin (Coumadin), Erdafitinib (Balversa), Fosphenytoin (Cerebyx), Meloxicam (Vivlodex), Siponimod (Mayzent), Vonoprazan (Voquezna), Formoterol (Foradil), Ospemifene (Osphena), Tenoxicam (Mobiflex)
CYP2D6	Amphetamine (Adderall), Iloperidone (Fanapt), Lofexidine (Lucemyra), Bupropion (Wellbutrin), Galantamine (Razadyne), Nortriptyline (Pamelor), Mirabegron (Myrbetriq), Tiotropium (Spiriva), Tramadol (Ultram), Pimozide (Orap), Tropisetron (Navoban), Modafinil (Provigil), Valbenazine (Ingrezza), Aripiprazole Lauroxil (Aristada), Hydrocodone (Norco), Risperidone (Risperdal), Oxycodone (Oxaydo), Duloxetine (Cymbalta), Tetrabenazine (Xenazine), Palonosetron (Aloxi), Aripiprazole (Abilify), Darifenacin (Enablex), Umeclidinium (Incruse Ellipta), Fluvoxamine (Luvox), Gefitinib (Iressa), Brexpiprazole (Rexulti), Codeine (Codeine Sulfate), Thioridazine (Mellaril), Oliceridine (Olinvyk), Fluoxetine (Prozac), Trimipramine (Surmontil), Rucaparib (Rubraca), Venlafaxine (Effexor), Carvedilol (Coreg), Tamsulosin (Flomax), Clomipramine (Anafranil), Dextromethorphan (Robitussin), Fesoterodine (Toviaz), Deutetrabenazine (Austedo), Paliperidone (Invega), Palonosetron (Posfrea), Propranolol (Hemangeol), Tamoxifen (Soltamox), Cevimeline (Evoxac), Propafenone (Rythmol), Vortioxetine (Trintellix), Imipramine (Tofranil), Metoprolol (Lopressor), Ondansetron (Zofran), Olanzapine (Zyprexa), Pitolisant (Wakix), Nebivolol (Bystolic), Perphenazine (Trilafon), Desipramine (Norpramin), Donepezil (Aricept), Protriptyline (Vivactil), Atomoxetine (Strattera), Meclizine (Antivert), Viloxazine (Qelbree), Xanomeline (Cobenfy), Doxepin (Silenor), Tolterodine (Detrol), Amitriptyline (Elavil), Eliglustat (Cerdelga), Metoclopramide (Reglan), Amoxapine (Asendin), Paroxetine (Paxil), Clozapine (Clozaril), Formoterol (Foradil), Arformoterol (Brovana), Vonoprazan (Voquezna), Quinidine (Cardioquin)
CYP3A4	Ketoconazole (Nizoral), Fentanyl (Sublimaze), Amlodipine (Norvasc), Axitinib (Inlyta), Nifedipine (Adalat), Ritonavir (Norvir), Indinavir (Crixivan), Itraconazole (Sporanox), Sirolimus (Rapamune), Cyclosporine (Neoral), Prasugrel (Effient), Ticagrelor (Brilinta), Diltiazem (Cardizem), Atorvastatin (Lipitor), Saquinavir (Invirase), Remibrutinib (Rhapsido), Terbinafine (Lamisil), Alprazolam (Xanax), Felodipine (Plendil), Triazolam (Halcion), Nefazodone (Serzone), Upadacitinib (Rinvoq), Rimegepant (Nurtec ODT), Erythromycin (Erythrocin), Simvastatin (Zocor), Lovastatin (Mevacor), Tacrolimus (Prograf), Buspirone (BuSpar), Midazolam (Versed), Cariprazine (Vraylar), Lorazepam (Ativan), Vonoprazan (Voquezna), Clarithromycin (Biaxin), Sildenafil (Viagra), Imatinib (Gleevec), Flibanserine (Addyi), Verapamil (Calan)
CYP3A5	Axitinib (Inlyta), Tacrolimus (Prograf)
CYP4F2	Warfarin (Coumadin)
DPYD	Tegafur (UFT), Fluorouracil (Efudex), Capecitabine (Xeloda)
F2	Avatrombopag (Doptelet), Lusutrombopag (Mulpleta)
F5	Eltrombopag (Promacta), Relugolix (Myfembree), Avatrombopag (Doptelet), Norelgestromin (Ortho Evra), Lusutrombopag (Mulpleta)
G6PD	Mafenide (Sulfamylon), Norfloxacin (Noroxin), Rasburicase (Elitek), Tolazamide (Tolinase), Glyburide (Diabeta), Mepivacaine (Carbocaine), Flutamide (Eulexin), Glipizide (Glucotrol), Bupivacaine (Marcaine), Dapsone (Aczone), Primaquine (Primaquine Phosphate), Lidocaine (Xylocaine), Pegloticase (Krystexxa), Chlorpropamide (Diabinese), Tafenoquine (Krintafel), Methylene Blue (Provayblue), Nalidixic Acid (NegGram), Toluidine Blue (TBO), Probenecid (Benemid), Chlorpropocaine (Nesacaine), Sulfasalazine (Azulfidine), Glimepiride (Amaryl), Dabrafenib (Tafinlar), Ropivacaine (Naropin), Sulfadiazine (Lantrisol), Nitrofurantoin (Macrobid), Quinine (Qualaquin)
IFNL3	Peginterferon Alfa-2b (Pegintron), Ribavirin (Rebetol), Peginterferon Alfa-2a (Pegasys)
NUDT15	Thioguanine (Tabloid), Mercaptopurine (Purinethol), Azathioprine (Imuran)
OPRM1	Morphine (MS Contin)
PCSK9	Evolocumab (Repatha), Alirocumab (Praluent), Inclisiran (Leqvio)

DRUG LIST FOR PHARMACOGENOMICS FINDINGS

v10.0

GENE	DRUGS
POLG	Valproic Acid (Valproic)
RS113993960	Lumacaftor (Orkambi), Tezacaftor (Symdeko), Elexacaftor (Trikafta)
RS12777823	Warfarin (Coumadin)
RYR1	Desflurane (Suprane), Isoflurane (Forane), Enflurane (Ethrane), Methoxyflurane (Penthrox), Succinylcholine (Quelicin), Sevoflurane (Ultane)
SLCO1B1	Elagolix (Oriahnn), Pitavastatin (Livalo), Fluvastatin (Lescol), Atorvastatin (Lipitor), Rosuvastatin (Crestor), Pravastatin (Pravachol), Simvastatin (Zocor), Lovastatin (Mevacor)
TPMT	Thioguanine (Tabloid), Mercaptopurine (Purinethol), Azathioprine (Imuran)
UGT1A1	Pazopanib (Votrient), Irinotecan (Onivyde), Rilpivirine (Edurant), Nilotinib (Tasigna), Indacaterol (Arcapta Neohaler), Atazanavir (Reyataz), Belinostat (Beleodaq), Binimetinib (Mektovi), Formoterol (Foradil), Arformoterol (Brovana), Raltegravir (Isentress), Sacituzumab Govitecan-hziy (Trodelvy), Cabotegravir (Apretude), Dolutegravir (Tivicay)
VKORC1	Warfarin (Coumadin)

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
1	Age-Related Macular Degeneration	rs2070895	G	0.1484	26691988
2	Age-Related Macular Degeneration	rs8135665	T	0.131	26691988
3	Age-Related Macular Degeneration	rs11884770	C	0.0862	26691988
4	Age-Related Macular Degeneration	rs5754227	T	0.2311	26691988
5	Age-Related Macular Degeneration	rs142450006	TTTTC	0.174	26691988
6	Age-Related Macular Degeneration	rs1142	T	0.131	26691988
7	Age-Related Macular Degeneration	rs55975637	A	0.1484	26691988
8	Age-Related Macular Degeneration	rs35292876	T	0.4318	26691988
9	Age-Related Macular Degeneration	rs140647181	C	0.6152	26691988
10	Age-Related Macular Degeneration	rs2043085	C	0.1398	26691988
11	Age-Related Macular Degeneration	rs12019136	G	0.3001	26691988
12	Age-Related Macular Degeneration	rs5817082	C	0.1398	26691988
13	Age-Related Macular Degeneration	rs144629244	A	1.026	26691988
14	Age-Related Macular Degeneration	rs62247658	C	0.131	26691988
15	Age-Related Macular Degeneration	rs17231506	T	0.1044	26691988
16	Age-Related Macular Degeneration	rs141853578	T	1.6332	26691988
17	Age-Related Macular Degeneration	rs148553336	T	1.1694	26691988
18	Age-Related Macular Degeneration	rs3750846	C	1.075	26691988
19	Age-Related Macular Degeneration	rs7803454	T	0.1398	26691988
20	Age-Related Macular Degeneration	rs12357257	A	0.1133	26691988
21	Age-Related Macular Degeneration	rs9564692	C	0.1044	26691988
22	Age-Related Macular Degeneration	rs6565597	T	0.1133	26691988
23	Age-Related Macular Degeneration	rs429358	T	0.3988	26691988
24	Age-Related Macular Degeneration	rs2230199	G	0.3853	26691988
25	Age-Related Macular Degeneration	rs11080055	C	0.0862	26691988
26	Age-Related Macular Degeneration	rs2740488	A	0.1133	26691988
27	Age-Related Macular Degeneration	rs570618	T	0.5539	26691988
28	Age-Related Macular Degeneration	rs3138141	A	0.1655	26691988
29	Age-Related Macular Degeneration	rs1626340	G	0.131	26691988
30	Age-Related Macular Degeneration	rs10781182	T	0.1133	26691988
31	Age-Related Macular Degeneration	rs10033900	T	0.1398	26691988
32	Age-Related Macular Degeneration	rs943080	T	0.1398	26691988
33	Age-Related Macular Degeneration	rs147859257	G	1.1694	26691988
34	Age-Related Macular Degeneration	rs71507014	G	0.1044	26691988
35	Age-Related Macular Degeneration	rs73036519	G	0.0953	26691988
36	Age-Related Macular Degeneration	rs10922109	C	0.6729	26691988
37	Age-Related Macular Degeneration	rs62358361	T	0.5128	26691988
38	Age-Related Macular Degeneration	rs2842339	G	0.1655	26691988
39	Age-Related Macular Degeneration	rs79037040	T	0.1133	26691988
40	Age-Related Macular Degeneration	rs61941274	A	0.47	26691988

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
41	Age-Related Macular Degeneration	rs114092250	G	0.3436	26691988
42	Age-Related Macular Degeneration	rs116503776	G	0.6729	26691988
43	Age-Related Macular Degeneration	rs191281603	C	0.892	26691988
44	Age-Related Macular Degeneration	rs121913059	T	3.8635	26691988
45	Age-Related Macular Degeneration	rs114254831	G	0.1222	26691988
46	Age-Related Macular Degeneration	rs72802342	C	0.239	26691988
1	Alzheimer's Disease	rs429358	C	1.2892	24162737
2	Alzheimer's Disease	rs7274581	T	0.1275	24162737
3	Alzheimer's Disease	rs28834970	C	0.0953	24162737
4	Alzheimer's Disease	rs10838725	C	0.077	24162737
5	Alzheimer's Disease	rs11771145	G	0.1053	24162737
6	Alzheimer's Disease	rs10498633	G	0.0944	24162737
7	Alzheimer's Disease	rs983392	A	0.1053	24162737
8	Alzheimer's Disease	rs9331896	T	0.151	24162737
9	Alzheimer's Disease	rs35349669	T	0.077	24162737
10	Alzheimer's Disease	rs17125944	C	0.131	24162737
11	Alzheimer's Disease	rs11218343	T	0.2616	24162737
12	Alzheimer's Disease	rs4147929	A	0.1398	24162737
13	Alzheimer's Disease	rs10948363	G	0.0953	24162737
14	Alzheimer's Disease	rs6733839	T	0.1989	24162737
15	Alzheimer's Disease	rs6656401	A	0.1655	24162737
16	Alzheimer's Disease	rs1476679	T	0.0944	24162737
17	Alzheimer's Disease	rs10792832	G	0.1389	24162737
18	Alzheimer's Disease	rs9271192	C	0.1044	24162737
19	Alzheimer's Disease	rs2718058	A	0.0723	24162737
20	Alzheimer's Disease	rs190982	A	0.0723	24162737
1	Asthma	rs12543811	G	0.0723	29273806
2	Asthma	rs7927894	T	0.0953	29273806
3	Asthma	rs2033784	G	0.1044	29273806
4	Asthma	rs20541	A	0.116	29273806
5	Asthma	rs1233578	G	0.1044	29273806
6	Asthma	rs2952156	A	0.1484	29273806
7	Asthma	rs17806299	G	0.1044	29273806
8	Asthma	rs2855812	T	0.0953	29273806
9	Asthma	rs992969	A	0.1625	29273806
10	Asthma	rs10455025	C	0.1398	29273806
11	Asthma	rs7705042	A	0.077	29273806
12	Asthma	rs17637472	A	0.077	29273806
13	Asthma	rs1420101	T	0.1133	29273806
14	Asthma	rs11071558	A	0.1165	29273806

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
15	Asthma	rs2325291	G	0.0943	29273806
16	Asthma	rs2589561	A	0.1044	29273806
17	Asthma	rs167769	T	0.077	29273806
1	Atrial Fibrillation	rs332388	C	0.0488	29892015
2	Atrial Fibrillation	rs3960788	C	0.0488	29892015
3	Atrial Fibrillation	rs716845	A	0.0488	29892015
4	Atrial Fibrillation	rs117984853	T	0.1133	29892015
5	Atrial Fibrillation	rs951366	C	0.0488	29892015
6	Atrial Fibrillation	rs503706	T	0.0953	29892015
7	Atrial Fibrillation	rs7919685	G	0.0583	29892015
8	Atrial Fibrillation	rs174048	C	0.0677	29892015
9	Atrial Fibrillation	rs2145587	A	0.0677	29892015
10	Atrial Fibrillation	rs146311723	C	0.0583	29892015
11	Atrial Fibrillation	rs76097649	A	0.131	29892015
12	Atrial Fibrillation	rs6847935	T	0.392	29892015
13	Atrial Fibrillation	rs4484922	G	0.0677	29892015
14	Atrial Fibrillation	rs7770062	G	0.1044	29892015
15	Atrial Fibrillation	rs56181519	C	0.077	29892015
16	Atrial Fibrillation	rs11264280	T	0.131	29892015
17	Atrial Fibrillation	rs4355822	A	0.0488	29892015
18	Atrial Fibrillation	rs72926475	G	0.077	29892015
19	Atrial Fibrillation	rs3789967	T	0.0488	29892015
20	Atrial Fibrillation	rs6546553	C	0.0677	29892015
21	Atrial Fibrillation	rs295114	C	0.0677	29892015
22	Atrial Fibrillation	rs55734480	A	0.0583	29892015
23	Atrial Fibrillation	rs7578393	T	0.0677	29892015
24	Atrial Fibrillation	rs12908437	T	0.0488	29892015
25	Atrial Fibrillation	rs12810346	T	0.0677	29892015
26	Atrial Fibrillation	rs7650482	G	0.077	29892015
27	Atrial Fibrillation	rs10520260	A	0.0488	29892015
28	Atrial Fibrillation	rs72700114	C	0.1989	29892015
29	Atrial Fibrillation	rs9953366	C	0.0488	29892015
30	Atrial Fibrillation	rs6998692	T	0.0862	29892015
31	Atrial Fibrillation	rs2359171	A	0.1823	29892015
32	Atrial Fibrillation	rs146518726	A	0.1655	29892015
33	Atrial Fibrillation	rs11180703	G	0.0392	29892015
34	Atrial Fibrillation	rs78332318	T	0.131	29892015
35	Atrial Fibrillation	rs2288327	G	0.1044	29892015
36	Atrial Fibrillation	rs2145274	A	0.1044	29892015
37	Atrial Fibrillation	rs6462078	A	0.0583	29892015

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
38	Atrial Fibrillation	rs6891790	G	0.0677	29892015
39	Atrial Fibrillation	rs9481842	G	0.0677	29892015
40	Atrial Fibrillation	rs34969716	A	0.0862	29892015
41	Atrial Fibrillation	rs2441380	C	0.0488	29892015
42	Atrial Fibrillation	rs2860482	A	0.0488	29892015
43	Atrial Fibrillation	rs8181996	G	0.0488	29892015
44	Atrial Fibrillation	rs2834618	T	0.1044	29892015
45	Atrial Fibrillation	rs10842383	C	0.1044	29892015
46	Atrial Fibrillation	rs762624	A	0.0583	29892015
47	Atrial Fibrillation	rs868155	C	0.0677	29892015
48	Atrial Fibrillation	rs79187193	G	0.1133	29892015
49	Atrial Fibrillation	rs12809354	C	0.0862	29892015
50	Atrial Fibrillation	rs6480708	C	0.1133	29892015
51	Atrial Fibrillation	rs10786662	G	0.0488	29892015
52	Atrial Fibrillation	rs7026071	T	0.0953	29892015
53	Atrial Fibrillation	rs7987944	C	0.0583	29892015
54	Atrial Fibrillation	rs7789146	G	0.0677	29892015
55	Atrial Fibrillation	rs7172038	G	0.1044	29892015
56	Atrial Fibrillation	rs73228543	G	0.0677	29892015
57	Atrial Fibrillation	rs3844438	T	0.0488	29892015
58	Atrial Fibrillation	rs11773845	A	0.1133	29892015
59	Atrial Fibrillation	rs10027347	T	0.1133	29892015
60	Atrial Fibrillation	rs1443926	A	0.0488	29892015
61	Atrial Fibrillation	rs2723064	T	0.0677	29892015
62	Atrial Fibrillation	rs883079	T	0.1133	29892015
63	Atrial Fibrillation	rs4590732	C	0.0677	29892015
64	Atrial Fibrillation	rs28631169	T	0.077	29892015
65	Atrial Fibrillation	rs6790396	G	0.0583	29892015
66	Atrial Fibrillation	rs4855074	T	0.0677	29892015
67	Atrial Fibrillation	rs11598047	G	0.1484	29892015
68	Atrial Fibrillation	rs9675122	C	0.0583	29892015
69	Atrial Fibrillation	rs7508	A	0.077	29892015
70	Atrial Fibrillation	rs12908004	G	0.077	29892015
71	Atrial Fibrillation	rs30252	T	0.0677	29892015
72	Atrial Fibrillation	rs7632427	T	0.0488	29892015
73	Atrial Fibrillation	rs55754224	T	0.0488	29892015
74	Atrial Fibrillation	rs76774446	A	0.0677	29892015
75	Atrial Fibrillation	rs2625322	A	0.0677	29892015
76	Atrial Fibrillation	rs11773884	A	0.0488	29892015
77	Atrial Fibrillation	rs2738413	A	0.077	29892015

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
78	Atrial Fibrillation	rs465276	G	0.0488	29892015
79	Atrial Fibrillation	rs35349325	T	0.0583	29892015
80	Atrial Fibrillation	rs10479177	G	0.0953	29892015
81	Atrial Fibrillation	rs187585530	A	0.4383	29892015
82	Atrial Fibrillation	rs113819537	C	0.0488	29892015
1	Basal Cell Carcinoma	rs10425559	G	0.077	27539887
2	Basal Cell Carcinoma	rs73183643	G	0.1054	27539887
3	Basal Cell Carcinoma	rs12916300	T	0.1398	27539887
4	Basal Cell Carcinoma	rs141115006	C	0.131	27539887
5	Basal Cell Carcinoma	rs2116709	A	0.1054	27539887
6	Basal Cell Carcinoma	rs73635312	G	0.174	27539887
7	Basal Cell Carcinoma	rs2294214	C	0.0677	27539887
8	Basal Cell Carcinoma	rs2080303	T	0.1222	27539887
9	Basal Cell Carcinoma	rs12210050	T	0.2231	27539887
10	Basal Cell Carcinoma	rs11993814	C	0.0862	27539887
11	Basal Cell Carcinoma	rs61824911	G	0.1044	27539887
12	Basal Cell Carcinoma	rs7776701	C	0.0583	27539887
13	Basal Cell Carcinoma	rs214785	C	0.174	27539887
14	Basal Cell Carcinoma	rs12203592	T	0.392	27539887
15	Basal Cell Carcinoma	rs6059655	A	0.2151	27539887
16	Basal Cell Carcinoma	rs78378222	G	0.3436	27539887
17	Basal Cell Carcinoma	rs10093547	G	0.1989	27539887
18	Basal Cell Carcinoma	rs2776353	A	0.0953	27539887
19	Basal Cell Carcinoma	rs9267650	T	0.157	27539887
20	Basal Cell Carcinoma	rs9275642	C	0.1165	27539887
21	Basal Cell Carcinoma	rs10810657	A	0.1054	27539887
22	Basal Cell Carcinoma	rs1805007	T	0.3365	27539887
23	Basal Cell Carcinoma	rs35407	G	0.4637	27539887
24	Basal Cell Carcinoma	rs57142672	G	0.1222	27539887
25	Basal Cell Carcinoma	rs1126809	A	0.1133	27539887
26	Basal Cell Carcinoma	rs11170164	T	0.174	27539887
27	Basal Cell Carcinoma	rs4710154	T	0.077	27539887
28	Basal Cell Carcinoma	rs7907606	G	0.0953	27539887
29	Basal Cell Carcinoma	rs421284	T	0.1044	27539887
1	Bladder Cancer	rs9642880	T	0.2151	24163127
2	Bladder Cancer	rs11892031	A	0.157	24163127
3	Bladder Cancer	rs401681	C	0.1133	24163127
4	Bladder Cancer	rs10775480	T	0.1222	24163127
5	Bladder Cancer	rs1014971	T	0.1222	24163127
6	Bladder Cancer	rs710521	T	0.131	24163127

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
7	Bladder Cancer	rs907611	A	0.1398	24163127
8	Bladder Cancer	rs1495741	A	0.131	24163127
9	Bladder Cancer	rs10936599	C	0.1625	24163127
10	Bladder Cancer	rs8102137	C	0.1222	24163127
11	Bladder Cancer	rs798766	T	0.1989	24163127
12	Bladder Cancer	rs2204008	T	0.1222	24163127
1	Breast Cancer	rs3817198	C	0.0488	29059683
2	Breast Cancer	rs3819405	C	0.0408	29059683
3	Breast Cancer	rs1550623	A	0.0513	29059683
4	Breast Cancer	rs1436904	T	0.0513	29059683
5	Breast Cancer	rs78269692	C	0.0862	29059683
6	Breast Cancer	rs704010	T	0.0677	29059683
7	Breast Cancer	rs11552449	T	0.0392	29059683
8	Breast Cancer	rs4849887	C	0.0943	29059683
9	Breast Cancer	rs13066793	A	0.0619	29059683
10	Breast Cancer	rs4442975	G	0.1165	29059683
11	Breast Cancer	rs4808801	A	0.0726	29059683
12	Breast Cancer	rs514192	A	0.0488	29059683
13	Breast Cancer	rs10995201	A	0.1054	29059683
14	Breast Cancer	rs10623258	CTT	0.0392	29059683
15	Breast Cancer	rs3903072	G	0.0305	29059683
16	Breast Cancer	rs4562056	T	0.0488	29059683
17	Breast Cancer	rs13281615	G	0.1044	29059683
18	Breast Cancer	rs10718573	TA	0.0392	29059683
19	Breast Cancer	rs58847541	A	0.077	29059683
20	Breast Cancer	rs13294895	T	0.0583	29059683
21	Breast Cancer	rs79724016	T	0.0726	29059683
22	Breast Cancer	rs16857609	T	0.0583	29059683
23	Breast Cancer	rs13365225	A	0.0943	29059683
24	Breast Cancer	rs6597981	G	0.0408	29059683
25	Breast Cancer	rs554219	G	0.1906	29059683
26	Breast Cancer	rs1830298	C	0.0583	29059683
27	Breast Cancer	rs6805189	T	0.0305	29059683
28	Breast Cancer	rs67397200	G	0.0296	29059683
29	Breast Cancer	rs146699004	GGT	0.0305	29059683
30	Breast Cancer	rs6122906	G	0.0488	29059683
31	Breast Cancer	rs11627032	T	0.0408	29059683
32	Breast Cancer	rs10472076	C	0.0296	29059683
33	Breast Cancer	rs745570	A	0.0296	29059683
34	Breast Cancer	rs72755295	G	0.1398	29059683

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
35	Breast Cancer	rs10022462	T	0.0392	29059683
36	Breast Cancer	rs4973768	T	0.1044	29059683
37	Breast Cancer	rs10760444	G	0.0296	29059683
38	Breast Cancer	rs6562760	G	0.0513	29059683
39	Breast Cancer	rs17426269	A	0.0488	29059683
40	Breast Cancer	rs1292011	A	0.0834	29059683
41	Breast Cancer	rs12405132	G	0.0305	29059683
42	Breast Cancer	rs6596100	C	0.0619	29059683
43	Breast Cancer	rs12479355	A	0.0408	29059683
44	Breast Cancer	rs2432539	A	0.0296	29059683
45	Breast Cancer	rs16991615	A	0.0953	29059683
46	Breast Cancer	rs7297051	C	0.1165	29059683
47	Breast Cancer	rs113577745	G	0.077	29059683
48	Breast Cancer	rs6762644	G	0.0488	29059683
49	Breast Cancer	rs13329835	G	0.0677	29059683
50	Breast Cancer	rs3215401	A	0.0726	29059683
51	Breast Cancer	rs1432679	C	0.077	29059683
52	Breast Cancer	rs4784227	T	0.207	29059683
53	Breast Cancer	rs72826962	T	0.1823	29059683
54	Breast Cancer	rs77528541	G	0.0513	29059683
55	Breast Cancer	rs6472903	T	0.0619	29059683
56	Breast Cancer	rs527616	G	0.0305	29059683
57	Breast Cancer	rs17817449	T	0.0513	29059683
58	Breast Cancer	rs11075995	A	0.0296	29059683
59	Breast Cancer	rs2823093	G	0.0619	29059683
60	Breast Cancer	rs7707921	A	0.0408	29059683
61	Breast Cancer	rs75915166	A	0.2469	29059683
62	Breast Cancer	rs11199914	C	0.0408	29059683
63	Breast Cancer	rs1053338	G	0.0488	29059683
64	Breast Cancer	rs11977670	A	0.0583	29059683
65	Breast Cancer	rs2965183	A	0.0392	29059683
66	Breast Cancer	rs11820646	C	0.0408	29059683
67	Breast Cancer	rs71801447	C	0.0862	29059683
68	Breast Cancer	rs2588809	T	0.0583	29059683
69	Breast Cancer	rs9833888	T	0.0583	29059683
70	Breast Cancer	rs4593472	C	0.0305	29059683
71	Breast Cancer	rs10816625	G	0.1044	29059683
72	Breast Cancer	rs4496150	C	0.0408	29059683
73	Breast Cancer	rs7072776	A	0.0488	29059683
74	Breast Cancer	rs6828523	C	0.0943	29059683

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
75	Breast Cancer	rs10069690	T	0.0583	29059683
76	Breast Cancer	rs35951924	A	0.0513	29059683
77	Breast Cancer	rs11780156	T	0.0488	29059683
78	Breast Cancer	rs12710696	T	0.0296	29059683
79	Breast Cancer	rs12546444	A	0.0726	29059683
80	Breast Cancer	rs616488	A	0.0619	29059683
81	Breast Cancer	rs17529111	C	0.0198	29059683
82	Breast Cancer	rs10941679	G	0.1398	29059683
83	Breast Cancer	rs1353747	T	0.0408	29059683
84	Breast Cancer	rs1707302	G	0.0408	29059683
85	Breast Cancer	rs6507583	A	0.0834	29059683
86	Breast Cancer	rs738321	C	0.0513	29059683
87	Breast Cancer	rs3760982	A	0.0488	29059683
88	Breast Cancer	rs676256	T	0.0943	29059683
89	Breast Cancer	rs62355902	T	0.1655	29059683
90	Breast Cancer	rs73161324	T	0.0583	29059683
91	Breast Cancer	rs2236007	G	0.0726	29059683
92	Breast Cancer	rs6964587	T	0.0296	29059683
93	Breast Cancer	rs2747652	C	0.0619	29059683
94	Breast Cancer	rs17356907	A	0.0943	29059683
95	Breast Cancer	rs2594714	G	0.0305	29059683
96	Breast Cancer	rs34005590	C	0.1985	29059683
97	Breast Cancer	rs206966	T	0.0488	29059683
98	Breast Cancer	rs11571833	T	0.3001	29059683
99	Breast Cancer	rs941764	G	0.0296	29059683
100	Breast Cancer	rs6569648	T	0.0619	29059683
101	Breast Cancer	rs9397437	A	0.157	29059683
102	Breast Cancer	rs11814448	C	0.1133	29059683
103	Breast Cancer	rs6001930	C	0.1133	29059683
104	Breast Cancer	rs117618124	T	0.1165	29059683
105	Breast Cancer	rs1011970	T	0.0677	29059683
106	Breast Cancer	rs6725517	A	0.0408	29059683
107	Breast Cancer	rs2290203	G	0.0619	29059683
108	Breast Cancer	rs12628403	C	0.0953	29059683
109	Breast Cancer	rs2016394	G	0.0513	29059683
110	Breast Cancer	rs6796502	G	0.0834	29059683
111	Breast Cancer	rs7971	A	0.0408	29059683
112	Breast Cancer	rs28539243	A	0.0488	29059683
113	Breast Cancer	rs71559437	G	0.0726	29059683
114	Breast Cancer	rs72749841	T	0.0726	29059683

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
115	Breast Cancer	rs2981578	C	0.207	29059683
116	Breast Cancer	rs9693444	A	0.0583	29059683
117	Breast Cancer	rs71338792	AT	0.0488	29059683
118	Breast Cancer	rs10474352	C	0.0619	29059683
119	Breast Cancer	rs2943559	G	0.0953	29059683
120	Breast Cancer	rs13267382	A	0.0296	29059683
121	Breast Cancer	rs9257408	C	0.0198	29059683
122	Breast Cancer	rs12207986	A	0.0305	29059683
123	Breast Cancer	rs4233486	T	0.0305	29059683
124	Breast Cancer	rs17879961	G	0.2311	29059683
125	Breast Cancer	rs58058861	A	0.0583	29059683
126	Breast Cancer	rs132390	C	0.0392	29059683
127	Breast Cancer	rs12493607	C	0.0488	29059683
128	Breast Cancer	rs3757322	G	0.077	29059683
129	Breast Cancer	rs35383942	T	0.1133	29059683
130	Breast Cancer	rs28512361	A	0.0488	29059683
131	Breast Cancer	rs2223621	T	0.0392	29059683
132	Breast Cancer	rs11249433	G	0.1044	29059683
133	Breast Cancer	rs17156577	C	0.0488	29059683
134	Breast Cancer	rs7529522	C	0.0583	29059683
135	Breast Cancer	rs12422552	C	0.0583	29059683
136	Breast Cancer	rs7904519	G	0.0296	29059683
137	Breast Cancer	rs4971059	A	0.0488	29059683
138	Breast Cancer	rs999737	C	0.0943	29059683
139	Breast Cancer	rs2992756	T	0.0583	29059683
140	Breast Cancer	rs204247	G	0.0392	29059683
141	Breast Cancer	rs35054928	GC	0.239	29059683
142	Breast Cancer	rs1895062	A	0.0619	29059683
143	Breast Cancer	rs45631563	A	0.2107	29059683
144	Breast Cancer	rs720475	G	0.0408	29059683
145	Breast Cancer	rs2787486	A	0.0726	29059683
146	Breast Cancer	rs9790517	T	0.0392	29059683
147	Breast Cancer	rs11117758	G	0.0513	29059683
148	Breast Cancer	rs34207738	C	0.0583	29059683
149	Breast Cancer	rs10759243	A	0.0583	29059683
150	Breast Cancer	rs17268829	C	0.0488	29059683
151	Breast Cancer	rs6815814	C	0.0583	29059683
1	Celiac Disease	rs6441991	A	0.1484	22057235, 20190752
2	Celiac Disease	rs4445406	T	0.1393	22057235, 20190752
3	Celiac Disease	rs13132308	A	0.3425	22057235, 20190752

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
4	Celiac Disease	rs2030519	A	0.2744	22057235, 20190752
5	Celiac Disease	rs1359062	G	0.2614	22057235, 20190752
6	Celiac Disease	rs1353248	C	0.1278	22057235, 20190752
7	Celiac Disease	rs10167650	T	0.0862	22057235, 20190752
8	Celiac Disease	rs79758729	G	0.1655	22057235, 20190752
9	Celiac Disease	rs2187668	T	1.8294	22057235, 20190752
10	Celiac Disease	rs1893592	A	0.1278	22057235, 20190752
11	Celiac Disease	rs12068671	T	0.1508	22057235, 20190752
12	Celiac Disease	rs72975916	C	0.0953	22057235, 20190752
13	Celiac Disease	rs2561288	T	0.1133	22057235, 20190752
14	Celiac Disease	rs9673543	G	0.0953	22057235, 20190752
15	Celiac Disease	rs80073729	A	0.5306	22057235, 20190752
16	Celiac Disease	rs1018326	C	0.1484	22057235, 20190752
17	Celiac Disease	rs7753008	C	0.0953	22057235, 20190752
18	Celiac Disease	rs6752770	G	0.0953	22057235, 20190752
19	Celiac Disease	rs1250552	A	0.1508	22057235, 20190752
20	Celiac Disease	rs12998748	G	0.1044	22057235, 20190752
21	Celiac Disease	rs2387397	C	0.1278	22057235, 20190752
22	Celiac Disease	rs7616215	C	0.1133	22057235, 20190752
23	Celiac Disease	rs76830965	A	0.3075	22057235, 20190752
24	Celiac Disease	rs72734930	A	0.207	22057235, 20190752
25	Celiac Disease	rs182429	A	0.1484	22057235, 20190752
26	Celiac Disease	rs13003464	G	0.157	22057235, 20190752
27	Celiac Disease	rs10800746	C	0.1133	22057235, 20190752
28	Celiac Disease	rs12203592	C	0.0953	22057235, 20190752
29	Celiac Disease	rs12142280	T	0.1393	22057235, 20190752
30	Celiac Disease	rs77027760	G	0.1278	22057235, 20190752
31	Celiac Disease	rs62097857	A	0.1823	22057235, 20190752
32	Celiac Disease	rs1050976	C	0.1165	22057235, 20190752
33	Celiac Disease	rs243323	A	0.0862	22057235, 20190752
34	Celiac Disease	rs61579022	A	0.1044	22057235, 20190752
35	Celiac Disease	rs4678523	C	0.1044	22057235, 20190752
36	Celiac Disease	rs10207814	T	0.1823	22057235, 20190752
37	Celiac Disease	rs17264332	G	0.2546	22057235, 20190752
38	Celiac Disease	rs2097282	C	0.1823	22057235, 20190752
39	Celiac Disease	rs13397	A	0.1655	22057235, 20190752
40	Celiac Disease	rs10808568	A	0.0953	22057235, 20190752
41	Celiac Disease	rs55743914	T	0.1906	22057235, 20190752
42	Celiac Disease	rs61907765	T	0.1655	22057235, 20190752
43	Celiac Disease	rs34037980	A	0.0953	22057235, 20190752

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
44	Celiac Disease	rs6715106	A	0.2357	22057235, 20190752
45	Celiac Disease	rs10892258	G	0.1508	22057235, 20190752
46	Celiac Disease	rs1107943	C	0.1655	22057235, 20190752
47	Celiac Disease	rs1980422	C	0.174	22057235, 20190752
48	Celiac Disease	rs11875687	C	0.157	22057235, 20190752
49	Celiac Disease	rs7104791	T	0.1484	22057235, 20190752
50	Celiac Disease	rs72657048	G	0.0834	22057235, 20190752
51	Celiac Disease	rs1378938	A	0.1222	22057235, 20190752
52	Celiac Disease	rs990171	A	0.1823	22057235, 20190752
53	Celiac Disease	rs4821124	C	0.1484	22057235, 20190752
54	Celiac Disease	rs62323881	A	0.1398	22057235, 20190752
55	Celiac Disease	rs3184504	C	0.174	22057235, 20190752
56	Celiac Disease	rs11851414	C	0.1222	22057235, 20190752
1	Chronic Lymphocytic Leukemia	rs2651823	A	0.1655	28165464
2	Chronic Lymphocytic Leukemia	rs7558911	A	0.1655	28165464
3	Chronic Lymphocytic Leukemia	rs71597109	C	0.157	28165464
4	Chronic Lymphocytic Leukemia	rs9271176	G	0.2546	28165464
5	Chronic Lymphocytic Leukemia	rs58055674	C	0.3436	28165464
6	Chronic Lymphocytic Leukemia	rs3755397	G	0.2776	28165464
7	Chronic Lymphocytic Leukemia	rs34004493	G	0.3293	28165464
8	Chronic Lymphocytic Leukemia	rs1036935	A	0.1398	28165464
9	Chronic Lymphocytic Leukemia	rs391855	A	0.2927	28165464
10	Chronic Lymphocytic Leukemia	rs35923643	G	0.4886	28165464
11	Chronic Lymphocytic Leukemia	rs6489882	G	0.1484	28165464
12	Chronic Lymphocytic Leukemia	rs2466029	G	0.207	28165464
13	Chronic Lymphocytic Leukemia	rs210143	C	0.2311	28165464
14	Chronic Lymphocytic Leukemia	rs7705526	A	0.1655	28165464
15	Chronic Lymphocytic Leukemia	rs6586163	A	0.207	28165464
16	Chronic Lymphocytic Leukemia	rs61904987	T	0.2151	28165464
17	Chronic Lymphocytic Leukemia	rs140522	T	0.1398	28165464
18	Chronic Lymphocytic Leukemia	rs4368253	C	0.157	28165464
19	Chronic Lymphocytic Leukemia	rs4869818	G	0.1398	28165464
20	Chronic Lymphocytic Leukemia	rs1317082	A	0.174	28165464
21	Chronic Lymphocytic Leukemia	rs8024033	C	0.2311	28165464
22	Chronic Lymphocytic Leukemia	rs874460	C	0.2151	28165464
23	Chronic Lymphocytic Leukemia	rs11637565	G	0.3001	28165464
24	Chronic Lymphocytic Leukemia	rs2267708	T	0.1484	28165464
25	Chronic Lymphocytic Leukemia	rs1679013	C	0.1484	28165464
26	Chronic Lymphocytic Leukemia	rs7254272	A	0.157	28165464
27	Chronic Lymphocytic Leukemia	rs77551289	A	0.3148	28165464

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
28	Chronic Lymphocytic Leukemia	rs9880772	A	0.1484	28165464
29	Chronic Lymphocytic Leukemia	rs7690934	C	0.1484	28165464
30	Chronic Lymphocytic Leukemia	rs2511713	G	0.157	28165464
31	Chronic Lymphocytic Leukemia	rs41271473	G	0.174	28165464
32	Chronic Lymphocytic Leukemia	rs57214277	T	0.1222	28165464
33	Chronic Lymphocytic Leukemia	rs142215530	G	0.3293	28165464
34	Chronic Lymphocytic Leukemia	rs888096	A	0.1398	28165464
35	Chronic Lymphocytic Leukemia	rs9392504	A	0.2852	28165464
36	Chronic Lymphocytic Leukemia	rs34676223	C	0.174	28165464
37	Chronic Lymphocytic Leukemia	rs3800461	C	0.1823	28165464
1	Colorectal Cancer	rs1370821	T	0.0677	29917119
2	Colorectal Cancer	rs1035209	T	0.0862	29917119
3	Colorectal Cancer	rs704017	G	0.0726	29917119
4	Colorectal Cancer	rs4939827	T	0.131	29917119
5	Colorectal Cancer	rs73376930	G	0.1278	29917119
6	Colorectal Cancer	rs1535	A	0.0677	29917119
7	Colorectal Cancer	rs2427308	C	0.1165	29917119
8	Colorectal Cancer	rs62404968	C	0.0862	29917119
9	Colorectal Cancer	rs10411210	C	0.0943	29917119
10	Colorectal Cancer	rs16892766	C	0.1985	29917119
11	Colorectal Cancer	rs6687758	G	0.0834	29917119
12	Colorectal Cancer	rs4444235	C	0.0726	29917119
13	Colorectal Cancer	rs4813802	G	0.0726	29917119
14	Colorectal Cancer	rs3184504	C	0.0726	29917119
15	Colorectal Cancer	rs6906359	C	0.1044	29917119
16	Colorectal Cancer	rs11255841	T	0.0943	29917119
17	Colorectal Cancer	rs2696839	G	0.0583	29917119
18	Colorectal Cancer	rs35360328	A	0.1222	29917119
19	Colorectal Cancer	rs6983267	G	0.1278	29917119
20	Colorectal Cancer	rs3217810	T	0.1398	29917119
21	Colorectal Cancer	rs3824999	G	0.0726	29917119
22	Colorectal Cancer	rs10911251	A	0.0677	29917119
23	Colorectal Cancer	rs961253	A	0.077	29917119
24	Colorectal Cancer	rs17094983	G	0.1054	29917119
25	Colorectal Cancer	rs58791712	GT	0.0943	29917119
26	Colorectal Cancer	rs2735940	G	0.0834	29917119
27	Colorectal Cancer	rs10994860	C	0.0862	29917119
28	Colorectal Cancer	rs72013726	C	0.077	29917119
29	Colorectal Cancer	rs3802842	C	0.1165	29917119
1	COPD	rs11727735	A	0.2231	28166215

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
2	COPD	rs10429950	T	0.1044	28166215
3	COPD	rs13141641	T	0.1989	28166215
4	COPD	rs754388	C	0.1044	28166215
5	COPD	rs7186831	A	0.1133	28166215
6	COPD	rs721917	G	0.077	28166215
7	COPD	rs2076295	T	0.0583	28166215
8	COPD	rs7733088	G	0.1655	28166215
9	COPD	rs17707300	C	0.0611	28166215
10	COPD	rs1441358	G	0.1222	28166215
11	COPD	rs6837671	G	0.0677	28166215
12	COPD	rs16825267	C	0.1222	28166215
13	COPD	rs9399401	T	0.157	28166215
14	COPD	rs2955083	A	0.1655	28166215
15	COPD	rs2047409	A	0.131	28166215
16	COPD	rs17486278	C	0.1222	28166215
17	COPD	rs2806356	C	0.1133	28166215
18	COPD	rs12459249	C	0.077	28166215
19	COPD	rs113897301	AT	0.1222	28166215
20	COPD	rs1529672	C	0.0488	28166215
21	COPD	rs647097	C	0.0862	28166215
22	COPD	rs2070600	C	0.1906	28166215
1	Coronary Artery Disease	rs11206510	T	0.077	26343387
2	Coronary Artery Disease	rs4420638	G	0.0953	26343387
3	Coronary Artery Disease	rs2128739	A	0.0677	26343387
4	Coronary Artery Disease	rs7528419	A	0.1133	26343387
5	Coronary Artery Disease	rs11830157	G	0.1133	26343387
6	Coronary Artery Disease	rs4593108	C	0.0677	26343387
7	Coronary Artery Disease	rs72689147	G	0.0677	26343387
8	Coronary Artery Disease	rs17678683	G	0.0953	26343387
9	Coronary Artery Disease	rs3184504	T	0.0677	26343387
10	Coronary Artery Disease	rs4252185	C	0.2927	26343387
11	Coronary Artery Disease	rs56336142	T	0.0677	26343387
12	Coronary Artery Disease	rs17087335	T	0.0583	26343387
13	Coronary Artery Disease	rs3918226	T	0.131	26343387
14	Coronary Artery Disease	rs515135	C	0.0677	26343387
15	Coronary Artery Disease	rs56289821	G	0.131	26343387
16	Coronary Artery Disease	rs180803	G	0.1823	26343387
17	Coronary Artery Disease	rs9349379	G	0.131	26343387
18	Coronary Artery Disease	rs1412444	T	0.0677	26343387
19	Coronary Artery Disease	rs10139550	G	0.0583	26343387

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
20	Coronary Artery Disease	rs4468572	C	0.077	26343387
21	Coronary Artery Disease	rs28451064	A	0.131	26343387
22	Coronary Artery Disease	rs9970807	C	0.1222	26343387
23	Coronary Artery Disease	rs8042271	G	0.0953	26343387
24	Coronary Artery Disease	rs56062135	C	0.0677	26343387
25	Coronary Artery Disease	rs12976411	A	0.4008	26343387
26	Coronary Artery Disease	rs11838776	A	0.0677	26343387
27	Coronary Artery Disease	rs7568458	A	0.0583	26343387
28	Coronary Artery Disease	rs16986953	A	0.0862	26343387
29	Coronary Artery Disease	rs11191416	T	0.077	26343387
30	Coronary Artery Disease	rs663129	A	0.0583	26343387
31	Coronary Artery Disease	rs55730499	T	0.3148	26343387
32	Coronary Artery Disease	rs2107595	A	0.077	26343387
33	Coronary Artery Disease	rs6689306	A	0.0583	26343387
34	Coronary Artery Disease	rs2487928	A	0.0583	26343387
35	Coronary Artery Disease	rs2891168	G	0.1906	26343387
36	Coronary Artery Disease	rs1870634	G	0.077	26343387
37	Coronary Artery Disease	rs12202017	A	0.0677	26343387
38	Coronary Artery Disease	rs6725887	C	0.131	26343387
39	Coronary Artery Disease	rs10840293	A	0.0583	26343387
40	Coronary Artery Disease	rs11556924	C	0.077	26343387
41	Coronary Artery Disease	rs2681472	G	0.077	26343387
1	Dupuytren's disease	rs7838717	T	0.1672	28886342
2	Dupuytren's disease	rs1509406	G	0.1519	28886342
3	Dupuytren's disease	rs1032466	A	0.2009	28886342
4	Dupuytren's disease	rs9951109	T	0.1985	28886342
5	Dupuytren's disease	rs394563	G	0.1887	28886342
6	Dupuytren's disease	rs629535	T	0.3053	28886342
7	Dupuytren's disease	rs1042704	A	0.2303	28886342
8	Dupuytren's disease	rs16879765	T	0.6297	28886342
9	Dupuytren's disease	rs6496519	C	0.2345	28886342
10	Dupuytren's disease	rs9525927	A	0.1827	28886342
11	Dupuytren's disease	rs977987	G	0.1363	28886342
12	Dupuytren's disease	rs7291412	T	0.2531	28886342
13	Dupuytren's disease	rs7524102	G	0.3008	28886342
14	Dupuytren's disease	rs6016142	T	0.2445	28886342
15	Dupuytren's disease	rs38904	C	0.2255	28886342
16	Dupuytren's disease	rs10866846	A	0.174	28886342
17	Dupuytren's disease	rs17433710	T	0.207	28886342
18	Dupuytren's disease	rs2912522	A	0.3065	28886342

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
19	Dupuytren's disease	rs12342106	A	0.2546	28886342
20	Dupuytren's disease	rs10276303	C	0.1924	28886342
21	Dupuytren's disease	rs2598107	T	0.39	28886342
22	Dupuytren's disease	rs611744	A	0.2614	28886342
23	Dupuytren's disease	rs246105	C	0.2311	28886342
24	Dupuytren's disease	rs2306022	T	0.2429	28886342
25	Dupuytren's disease	rs6102095	G	0.2904	28886342
1	Endometriosis	rs71575922	G	0.1044	28537267
2	Endometriosis	rs6546324	A	0.077	28537267
3	Endometriosis	rs12700667	A	0.077	28537267
4	Endometriosis	rs17803970	A	0.1398	28537267
5	Endometriosis	rs1903068	A	0.1044	28537267
6	Endometriosis	rs11674184	T	0.1133	28537267
7	Endometriosis	rs77294520	C	0.1484	28537267
8	Endometriosis	rs1448792	G	0.0862	28537267
9	Endometriosis	rs10167914	G	0.1044	28537267
10	Endometriosis	rs760794	T	0.077	28537267
11	Endometriosis	rs1250241	T	0.0583	28537267
12	Endometriosis	rs2206949	T	0.0862	28537267
13	Endometriosis	rs4762326	T	0.0677	28537267
14	Endometriosis	rs1537377	C	0.077	28537267
15	Endometriosis	rs10757272	C	0.0583	28537267
16	Endometriosis	rs74485684	T	0.1044	28537267
17	Endometriosis	rs74491657	G	0.077	28537267
18	Endometriosis	rs12037376	A	0.131	28537267
19	Endometriosis	rs1971256	C	0.0953	28537267
1	Gout	rs12498742	A	0.3784	23263486
2	Gout	rs11099098	G	0.0296	23263486
3	Gout	rs17786744	G	0.0296	23263486
4	Gout	rs675209	T	0.0677	23263486
5	Gout	rs17632159	G	0.0392	23263486
6	Gout	rs3741414	C	0.0677	23263486
7	Gout	rs1035942	A	0.0296	23263486
8	Gout	rs10821905	A	0.0488	23263486
9	Gout	rs1178977	A	0.0488	23263486
10	Gout	rs6598541	A	0.0392	23263486
11	Gout	rs7188445	G	0.0296	23263486
12	Gout	rs7224610	C	0.0392	23263486
13	Gout	rs7193778	C	0.0488	23263486
14	Gout	rs17050272	A	0.0392	23263486

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
15	Gout	rs164009	A	0.0296	23263486
16	Gout	rs478607	G	0.0488	23263486
17	Gout	rs1471633	T	0.0583	23263486
18	Gout	rs1165151	G	0.0953	23263486
19	Gout	rs729761	G	0.0488	23263486
20	Gout	rs10480300	T	0.0296	23263486
21	Gout	rs1171614	C	0.077	23263486
22	Gout	rs1260326	T	0.077	23263486
23	Gout	rs11264341	C	0.0488	23263486
24	Gout	rs1394125	A	0.0392	23263486
25	Gout	rs653178	C	0.0392	23263486
26	Gout	rs10813960	C	0.0296	23263486
27	Gout	rs6770152	G	0.0488	23263486
28	Gout	rs2231142	T	0.2231	23263486
29	Gout	rs2078267	C	0.077	23263486
1	HDL Cholesterol	rs16942887	A	0.0742	30275531
2	HDL Cholesterol	rs2083637	G	0.0484	30275531
3	HDL Cholesterol	rs12443634	C	0.0313	30275531
4	HDL Cholesterol	rs2867125	T	0.0173	30275531
5	HDL Cholesterol	rs10733608	T	0.0139	30275531
6	HDL Cholesterol	rs10773105	C	0.0255	30275531
7	HDL Cholesterol	rs900399	G	0.0213	30275531
8	HDL Cholesterol	rs1421085	T	0.0282	30275531
9	HDL Cholesterol	rs622082	A	0.0155	30275531
10	HDL Cholesterol	rs2602836	A	0.0127	30275531
11	HDL Cholesterol	rs2228510	C	0.0117	30275531
12	HDL Cholesterol	rs738322	G	0.0198	30275531
13	HDL Cholesterol	rs17162330	T	0.0413	30275531
14	HDL Cholesterol	rs1132274	C	0.0159	30275531
15	HDL Cholesterol	rs13326165	A	0.0213	30275531
16	HDL Cholesterol	rs2071379	A	0.0143	30275531
17	HDL Cholesterol	rs36020289	C	0.0462	30275531
18	HDL Cholesterol	rs6905288	G	0.0295	30275531
19	HDL Cholesterol	rs7306660	G	0.0286	30275531
20	HDL Cholesterol	rs17091872	G	0.0559	30275531
21	HDL Cholesterol	rs964184	C	0.1321	30275531
22	HDL Cholesterol	rs11648751	C	0.0304	30275531
23	HDL Cholesterol	rs7165077	C	0.0273	30275531
24	HDL Cholesterol	rs11700063	A	0.0206	30275531
25	HDL Cholesterol	rs4976033	A	0.0134	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
26	HDL Cholesterol	rs7927401	C	0.021	30275531
27	HDL Cholesterol	rs4983559	G	0.0252	30275531
28	HDL Cholesterol	rs1801177	G	0.12	30275531
29	HDL Cholesterol	rs6486121	C	0.0152	30275531
30	HDL Cholesterol	rs2274517	T	0.0156	30275531
31	HDL Cholesterol	rs1534696	A	0.0185	30275531
32	HDL Cholesterol	rs235314	C	0.015	30275531
33	HDL Cholesterol	rs11774381	C	0.0278	30275531
34	HDL Cholesterol	rs2303361	C	0.0238	30275531
35	HDL Cholesterol	rs676210	A	0.0617	30275531
36	HDL Cholesterol	rs9657541	C	0.0246	30275531
37	HDL Cholesterol	rs7136716	G	0.0191	30275531
38	HDL Cholesterol	rs7134150	G	0.0314	30275531
39	HDL Cholesterol	rs2745353	C	0.0202	30275531
40	HDL Cholesterol	rs8044753	A	0.0248	30275531
41	HDL Cholesterol	rs2726070	G	0.0172	30275531
42	HDL Cholesterol	rs264	A	0.0325	30275531
43	HDL Cholesterol	rs3803800	G	0.0134	30275531
44	HDL Cholesterol	rs12912415	A	0.04	30275531
45	HDL Cholesterol	rs1415771	G	0.0129	30275531
46	HDL Cholesterol	rs12148597	G	0.0158	30275531
47	HDL Cholesterol	rs5880	G	0.1378	30275531
48	HDL Cholesterol	rs13284054	T	0.0541	30275531
49	HDL Cholesterol	rs2075650	A	0.0379	30275531
50	HDL Cholesterol	rs439401	T	0.0141	30275531
51	HDL Cholesterol	rs184070214	G	0.0445	30275531
52	HDL Cholesterol	rs3773910	G	0.0169	30275531
53	HDL Cholesterol	rs2943641	T	0.0391	30275531
54	HDL Cholesterol	rs17405319	C	0.0252	30275531
55	HDL Cholesterol	rs2792751	T	0.0277	30275531
56	HDL Cholesterol	rs61897793	A	0.0238	30275531
57	HDL Cholesterol	rs41272114	T	0.0663	30275531
58	HDL Cholesterol	rs37029	G	0.0242	30275531
59	HDL Cholesterol	rs635634	T	0.0145	30275531
60	HDL Cholesterol	rs11553746	T	0.0158	30275531
61	HDL Cholesterol	rs10023050	G	0.0152	30275531
62	HDL Cholesterol	rs5167	G	0.0376	30275531
63	HDL Cholesterol	rs326214	G	0.0248	30275531
64	HDL Cholesterol	rs1800977	A	0.0256	30275531
65	HDL Cholesterol	rs34317102	C	0.019	30275531

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
66	HDL Cholesterol	rs11556624	C	0.0867	30275531
67	HDL Cholesterol	rs11255744	C	0.0182	30275531
68	HDL Cholesterol	rs506829	T	0.0192	30275531
69	HDL Cholesterol	rs35349911	C	0.0138	30275531
70	HDL Cholesterol	rs838880	C	0.0249	30275531
71	HDL Cholesterol	rs16885998	T	0.0506	30275531
72	HDL Cholesterol	rs13107325	C	0.0777	30275531
73	HDL Cholesterol	rs11869286	C	0.0239	30275531
74	HDL Cholesterol	rs3905000	G	0.0547	30275531
75	HDL Cholesterol	rs390299	G	0.0145	30275531
76	HDL Cholesterol	rs4917014	G	0.0138	30275531
77	HDL Cholesterol	rs1532624	A	0.1128	30275531
78	HDL Cholesterol	rs8093249	A	0.0337	30275531
79	HDL Cholesterol	rs386000	C	0.0437	30275531
80	HDL Cholesterol	rs116843064	A	0.2456	30275531
81	HDL Cholesterol	rs4420638	A	0.042	30275531
82	HDL Cholesterol	rs11755393	A	0.0304	30275531
83	HDL Cholesterol	rs138407155	A	0.3555	30275531
84	HDL Cholesterol	rs11613352	T	0.0226	30275531
85	HDL Cholesterol	rs150728540	A	0.4756	30275531
86	HDL Cholesterol	rs12990465	T	0.0263	30275531
87	HDL Cholesterol	rs17616661	A	0.0258	30275531
88	HDL Cholesterol	rs4804833	G	0.015	30275531
89	HDL Cholesterol	rs12740374	T	0.0454	30275531
90	HDL Cholesterol	rs41270076	T	0.0386	30275531
91	HDL Cholesterol	rs2878349	G	0.015	30275531
92	HDL Cholesterol	rs2894342	A	0.0146	30275531
93	HDL Cholesterol	rs10488698	A	0.0447	30275531
94	HDL Cholesterol	rs10838738	A	0.0193	30275531
95	HDL Cholesterol	rs4871137	G	0.0213	30275531
96	HDL Cholesterol	rs1532085	A	0.062	30275531
97	HDL Cholesterol	rs1126930	G	0.0373	30275531
98	HDL Cholesterol	rs1211644	C	0.0178	30275531
99	HDL Cholesterol	rs4705986	G	0.0348	30275531
100	HDL Cholesterol	rs333947	G	0.0267	30275531
101	HDL Cholesterol	rs7298751	G	0.0426	30275531
102	HDL Cholesterol	rs7412	T	0.0856	30275531
103	HDL Cholesterol	rs2862954	C	0.0173	30275531
104	HDL Cholesterol	rs1800775	A	0.0317	30275531
105	HDL Cholesterol	rs6494003	A	0.0927	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
106	HDL Cholesterol	rs4239651	C	0.021	30275531
107	HDL Cholesterol	rs940904	G	0.0226	30275531
108	HDL Cholesterol	rs2954026	G	0.0493	30275531
109	HDL Cholesterol	rs138326449	A	0.7155	30275531
110	HDL Cholesterol	rs6494006	T	0.0436	30275531
111	HDL Cholesterol	rs2111504	A	0.0167	30275531
112	HDL Cholesterol	rs3184504	C	0.0243	30275531
113	HDL Cholesterol	rs4823006	G	0.013	30275531
114	HDL Cholesterol	rs731839	A	0.0178	30275531
115	HDL Cholesterol	rs34859606	G	0.0194	30275531
116	HDL Cholesterol	rs72650673	G	0.1716	30275531
117	HDL Cholesterol	rs6511720	T	0.0201	30275531
118	HDL Cholesterol	rs11652146	G	0.0172	30275531
119	HDL Cholesterol	rs4794822	C	0.0177	30275531
120	HDL Cholesterol	rs8111071	A	0.0278	30275531
121	HDL Cholesterol	rs1800978	C	0.0574	30275531
122	HDL Cholesterol	rs28362581	G	0.0276	30275531
123	HDL Cholesterol	rs936960	T	0.0524	30275531
124	HDL Cholesterol	rs1869138	C	0.0281	30275531
125	HDL Cholesterol	rs34718390	A	0.0528	30275531
126	HDL Cholesterol	rs6777217	G	0.0129	30275531
127	HDL Cholesterol	rs17679445	A	0.0295	30275531
128	HDL Cholesterol	rs9989419	G	0.0336	30275531
129	HDL Cholesterol	rs972283	A	0.0276	30275531
130	HDL Cholesterol	rs267738	G	0.0239	30275531
131	HDL Cholesterol	rs2373459	T	0.016	30275531
132	HDL Cholesterol	rs2289750	G	0.0283	30275531
133	HDL Cholesterol	rs738409	C	0.0155	30275531
134	HDL Cholesterol	rs10408844	T	0.018	30275531
135	HDL Cholesterol	rs2957447	A	0.0138	30275531
136	HDL Cholesterol	rs12602912	C	0.0176	30275531
137	HDL Cholesterol	rs4650994	G	0.0193	30275531
138	HDL Cholesterol	rs12369179	C	0.031	30275531
139	HDL Cholesterol	rs11242	T	0.015	30275531
140	HDL Cholesterol	rs7076938	T	0.0172	30275531
141	HDL Cholesterol	rs4850047	T	0.0201	30275531
142	HDL Cholesterol	rs1759645	T	0.0239	30275531
143	HDL Cholesterol	rs12929759	A	0.0183	30275531
144	HDL Cholesterol	rs2066714	C	0.0514	30275531
145	HDL Cholesterol	rs174583	C	0.0424	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
146	HDL Cholesterol	rs4883201	A	0.0288	30275531
147	HDL Cholesterol	rs863750	C	0.0172	30275531
148	HDL Cholesterol	rs3752125	C	0.0204	30275531
149	HDL Cholesterol	rs1011731	A	0.0134	30275531
150	HDL Cholesterol	rs6855363	C	0.0185	30275531
151	HDL Cholesterol	rs140201358	C	0.0523	30275531
152	HDL Cholesterol	rs11660468	T	0.0253	30275531
153	HDL Cholesterol	rs884366	G	0.0143	30275531
154	HDL Cholesterol	rs10120087	A	0.0444	30275531
155	HDL Cholesterol	rs231539	C	0.0357	30275531
156	HDL Cholesterol	rs55707100	C	0.0934	30275531
157	HDL Cholesterol	rs6083	G	0.0162	30275531
158	HDL Cholesterol	rs10904908	G	0.0118	30275531
159	HDL Cholesterol	rs2268086	A	0.0144	30275531
160	HDL Cholesterol	rs6062343	A	0.0137	30275531
161	HDL Cholesterol	rs13389219	T	0.0327	30275531
162	HDL Cholesterol	rs180349	A	0.0171	30275531
163	HDL Cholesterol	rs11556924	T	0.0126	30275531
164	HDL Cholesterol	rs35169799	C	0.0396	30275531
165	HDL Cholesterol	rs9332739	G	0.029	30275531
166	HDL Cholesterol	rs2230808	C	0.0236	30275531
167	HDL Cholesterol	rs581080	C	0.037	30275531
168	HDL Cholesterol	rs12928822	T	0.0179	30275531
169	HDL Cholesterol	rs16940233	C	0.0478	30275531
170	HDL Cholesterol	rs1767141	C	0.0263	30275531
171	HDL Cholesterol	rs2305637	C	0.0264	30275531
172	HDL Cholesterol	rs1279840	T	0.028	30275531
173	HDL Cholesterol	rs11248051	C	0.019	30275531
174	HDL Cholesterol	rs17738540	C	0.0184	30275531
175	HDL Cholesterol	rs6694509	C	0.0195	30275531
176	HDL Cholesterol	rs181362	C	0.0303	30275531
177	HDL Cholesterol	rs72836561	C	0.1875	30275531
178	HDL Cholesterol	rs4847399	G	0.0216	30275531
179	HDL Cholesterol	rs139271800	G	0.2482	30275531
180	HDL Cholesterol	rs117623631	T	0.3432	30275531
181	HDL Cholesterol	rs8123864	T	0.0477	30275531
182	HDL Cholesterol	rs2807834	G	0.0238	30275531
183	HDL Cholesterol	rs4846914	A	0.0468	30275531
184	HDL Cholesterol	rs12230272	A	0.0223	30275531
185	HDL Cholesterol	rs4622454	T	0.0205	30275531

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
186	HDL Cholesterol	rs3824866	T	0.0331	30275531
187	HDL Cholesterol	rs268	A	0.2379	30275531
188	HDL Cholesterol	rs970548	C	0.0245	30275531
189	HDL Cholesterol	rs4711698	T	0.018	30275531
190	HDL Cholesterol	rs112519623	G	0.0472	30275531
191	HDL Cholesterol	rs3822072	G	0.0214	30275531
192	HDL Cholesterol	rs76315536	T	0.1614	30275531
193	HDL Cholesterol	rs2754820	A	0.0196	30275531
194	HDL Cholesterol	rs7837677	C	0.0336	30275531
195	HDL Cholesterol	rs925946	G	0.0122	30275531
196	HDL Cholesterol	rs12281729	A	0.0769	30275531
197	HDL Cholesterol	rs3786248	C	0.059	30275531
198	HDL Cholesterol	rs12317176	C	0.0224	30275531
199	HDL Cholesterol	rs76881554	G	0.1641	30275531
200	HDL Cholesterol	rs4238772	A	0.0286	30275531
201	HDL Cholesterol	rs4963975	G	0.0198	30275531
202	HDL Cholesterol	rs12708974	C	0.0857	30275531
203	HDL Cholesterol	rs4512408	T	0.0255	30275531
204	HDL Cholesterol	rs117901517	T	0.0378	30275531
205	HDL Cholesterol	rs12269901	C	0.0268	30275531
206	HDL Cholesterol	rs17301746	T	0.0879	30275531
207	HDL Cholesterol	rs2243976	A	0.0289	30275531
208	HDL Cholesterol	rs1043900	A	0.0234	30275531
209	HDL Cholesterol	rs1800961	C	0.1421	30275531
210	HDL Cholesterol	rs2148489	T	0.0223	30275531
211	HDL Cholesterol	rs9686661	C	0.0343	30275531
212	HDL Cholesterol	rs16962034	G	0.0157	30275531
213	HDL Cholesterol	rs2303108	T	0.0137	30275531
214	HDL Cholesterol	rs8021180	A	0.0142	30275531
215	HDL Cholesterol	rs2410622	C	0.0264	30275531
216	HDL Cholesterol	rs16856110	A	0.0199	30275531
217	HDL Cholesterol	rs737337	T	0.057	30275531
218	HDL Cholesterol	rs1788783	T	0.015	30275531
219	HDL Cholesterol	rs746463	C	0.0165	30275531
220	HDL Cholesterol	rs13702	C	0.0589	30275531
221	HDL Cholesterol	rs4660293	A	0.04	30275531
222	HDL Cholesterol	rs12975366	T	0.0212	30275531
223	HDL Cholesterol	rs12145743	G	0.014	30275531
224	HDL Cholesterol	rs4937122	T	0.0317	30275531
225	HDL Cholesterol	rs36049418	A	0.0656	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
226	HDL Cholesterol	rs2913968	T	0.0166	30275531
227	HDL Cholesterol	rs4841132	G	0.108	30275531
228	HDL Cholesterol	rs6025606	T	0.0119	30275531
229	HDL Cholesterol	rs293429	C	0.0133	30275531
230	HDL Cholesterol	rs2303975	A	0.0192	30275531
231	HDL Cholesterol	rs12975319	G	0.0153	30275531
232	HDL Cholesterol	rs10106652	A	0.0306	30275531
233	HDL Cholesterol	rs7241918	T	0.0741	30275531
234	HDL Cholesterol	rs2292642	T	0.0319	30275531
235	HDL Cholesterol	rs2293889	G	0.0304	30275531
236	HDL Cholesterol	rs3827066	T	0.0496	30275531
237	HDL Cholesterol	rs3735080	C	0.0137	30275531
238	HDL Cholesterol	rs3756772	T	0.0128	30275531
239	HDL Cholesterol	rs6668958	T	0.0204	30275531
240	HDL Cholesterol	rs6651485	A	0.0539	30275531
241	HDL Cholesterol	rs2068888	A	0.0205	30275531
242	HDL Cholesterol	rs10852765	A	0.0156	30275531
243	HDL Cholesterol	rs881858	G	0.0138	30275531
244	HDL Cholesterol	rs34065661	G	0.4847	30275531
245	HDL Cholesterol	rs4234589	A	0.0222	30275531
246	HDL Cholesterol	rs17532301	G	0.0266	30275531
247	HDL Cholesterol	rs181181625	T	0.3478	30275531
248	HDL Cholesterol	rs2067819	A	0.0211	30275531
249	HDL Cholesterol	rs6983999	A	0.0239	30275531
250	HDL Cholesterol	rs593245	T	0.0146	30275531
251	HDL Cholesterol	rs16940147	A	0.0499	30275531
252	HDL Cholesterol	rs6586892	A	0.036	30275531
253	HDL Cholesterol	rs6762477	A	0.0232	30275531
254	HDL Cholesterol	rs5891	T	0.0776	30275531
255	HDL Cholesterol	rs1652507	T	0.046	30275531
256	HDL Cholesterol	rs562338	A	0.0178	30275531
257	HDL Cholesterol	rs3135006	C	0.0195	30275531
258	HDL Cholesterol	rs643381	A	0.0208	30275531
259	HDL Cholesterol	rs11712666	G	0.0141	30275531
260	HDL Cholesterol	rs35000036	C	0.0132	30275531
261	HDL Cholesterol	rs7735253	G	0.021	30275531
262	HDL Cholesterol	rs784563	T	0.0153	30275531
263	HDL Cholesterol	rs1183910	A	0.0127	30275531
264	HDL Cholesterol	rs77960347	G	0.2505	30275531
265	HDL Cholesterol	rs1345868	A	0.0144	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
266	HDL Cholesterol	rs10892063	A	0.0418	30275531
267	HDL Cholesterol	rs16928809	G	0.0246	30275531
268	HDL Cholesterol	rs72786786	A	0.0577	30275531
269	HDL Cholesterol	rs10483776	A	0.0153	30275531
270	HDL Cholesterol	rs310631	A	0.0133	30275531
271	HDL Cholesterol	rs12482088	A	0.0187	30275531
272	HDL Cholesterol	rs1798192	G	0.0193	30275531
273	HDL Cholesterol	rs7787577	A	0.0314	30275531
274	HDL Cholesterol	rs558971	G	0.0138	30275531
275	HDL Cholesterol	rs424346	T	0.0545	30275531
276	HDL Cholesterol	rs77301115	G	0.066	30275531
277	HDL Cholesterol	rs1168089	C	0.0153	30275531
278	HDL Cholesterol	rs289714	A	0.0822	30275531
279	HDL Cholesterol	rs2292101	C	0.0438	30275531
280	HDL Cholesterol	rs7633675	T	0.0133	30275531
281	HDL Cholesterol	rs17269397	G	0.0261	30275531
282	HDL Cholesterol	rs10057967	C	0.0205	30275531
283	HDL Cholesterol	rs5883	T	0.1674	30275531
284	HDL Cholesterol	rs12144891	A	0.0168	30275531
285	HDL Cholesterol	rs1265099	A	0.017	30275531
286	HDL Cholesterol	rs7134375	A	0.0215	30275531
287	HDL Cholesterol	rs11078915	C	0.0267	30275531
288	HDL Cholesterol	rs7202647	T	0.017	30275531
289	HDL Cholesterol	rs10019888	A	0.0243	30275531
290	HDL Cholesterol	rs4939886	A	0.0198	30275531
291	HDL Cholesterol	rs459193	A	0.0265	30275531
292	HDL Cholesterol	rs7202185	G	0.0373	30275531
293	HDL Cholesterol	rs4775041	C	0.0388	30275531
294	HDL Cholesterol	rs7203984	A	0.0741	30275531
295	HDL Cholesterol	rs1178979	C	0.0335	30275531
296	HDL Cholesterol	rs644740	T	0.016	30275531
297	HDL Cholesterol	rs6435161	T	0.0177	30275531
298	HDL Cholesterol	rs4783961	A	0.026	30275531
299	HDL Cholesterol	rs6983170	T	0.0933	30275531
300	HDL Cholesterol	rs499974	C	0.0254	30275531
301	HDL Cholesterol	rs7941030	C	0.0229	30275531
302	HDL Cholesterol	rs2434612	A	0.0225	30275531
303	HDL Cholesterol	rs7298565	A	0.028	30275531
304	HDL Cholesterol	rs9944249	G	0.0132	30275531
305	HDL Cholesterol	rs12979085	A	0.0204	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
306	HDL Cholesterol	rs13292026	G	0.0437	30275531
307	HDL Cholesterol	rs1997243	G	0.0222	30275531
308	HDL Cholesterol	rs9956279	C	0.0168	30275531
309	HDL Cholesterol	rs7550711	C	0.049	30275531
310	HDL Cholesterol	rs7730898	G	0.0183	30275531
311	HDL Cholesterol	rs10282707	C	0.0258	30275531
1	Inflammatory Bowel Disease	rs4845604	G	0.1236	26192919, 28067908
2	Inflammatory Bowel Disease	rs4656958	G	0.077	26192919, 28067908
3	Inflammatory Bowel Disease	rs111456533	G	0.1044	26192919, 28067908
4	Inflammatory Bowel Disease	rs13300218	G	0.1548	26192919, 28067908
5	Inflammatory Bowel Disease	rs2189234	T	0.0518	26192919, 28067908
6	Inflammatory Bowel Disease	rs564349	G	0.0552	26192919, 28067908
7	Inflammatory Bowel Disease	rs314313	C	0.0666	26192919, 28067908
8	Inflammatory Bowel Disease	rs10781499	A	0.157	26192919, 28067908
9	Inflammatory Bowel Disease	rs10492862	A	0.1044	26192919, 28067908
10	Inflammatory Bowel Disease	rs6920220	A	0.0948	26192919, 28067908
11	Inflammatory Bowel Disease	rs17057051	A	0.0587	26192919, 28067908
12	Inflammatory Bowel Disease	rs2457996	A	0.077	26192919, 28067908
13	Inflammatory Bowel Disease	rs7240004	A	0.0665	26192919, 28067908
14	Inflammatory Bowel Disease	rs11681525	G	0.1074	26192919, 28067908
15	Inflammatory Bowel Disease	rs80244186	C	0.1222	26192919, 28067908
16	Inflammatory Bowel Disease	rs17119	A	0.0833	26192919, 28067908
17	Inflammatory Bowel Disease	rs925255	C	0.077	26192919, 28067908
18	Inflammatory Bowel Disease	rs17085007	C	0.0862	26192919, 28067908
19	Inflammatory Bowel Disease	rs568617	T	0.0583	26192919, 28067908
20	Inflammatory Bowel Disease	rs913678	T	0.0692	26192919, 28067908
21	Inflammatory Bowel Disease	rs6863411	T	0.0862	26192919, 28067908
22	Inflammatory Bowel Disease	rs12568930	T	0.0862	26192919, 28067908
23	Inflammatory Bowel Disease	rs6588248	G	0.0862	26192919, 28067908
24	Inflammatory Bowel Disease	rs7954567	A	0.0488	26192919, 28067908
25	Inflammatory Bowel Disease	rs483905	A	0.0579	26192919, 28067908
26	Inflammatory Bowel Disease	rs3853824	C	0.064	26192919, 28067908
27	Inflammatory Bowel Disease	rs67289879	T	0.0862	26192919, 28067908
28	Inflammatory Bowel Disease	rs4743820	T	0.064	26192919, 28067908
29	Inflammatory Bowel Disease	rs2073505	A	0.095	26192919, 28067908
30	Inflammatory Bowel Disease	rs3774937	C	0.0488	26192919, 28067908
31	Inflammatory Bowel Disease	rs6667605	C	0.0488	26192919, 28067908
32	Inflammatory Bowel Disease	rs34687326	G	0.1655	26192919, 28067908
33	Inflammatory Bowel Disease	rs3024505	A	0.1989	26192919, 28067908
34	Inflammatory Bowel Disease	rs13300483	T	0.0931	26192919, 28067908

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
35	Inflammatory Bowel Disease	rs13126505	A	0.131	26192919, 28067908
36	Inflammatory Bowel Disease	rs17771967	G	0.0465	26192919, 28067908
37	Inflammatory Bowel Disease	rs4409764	T	0.1655	26192919, 28067908
38	Inflammatory Bowel Disease	rs12720356	C	0.1483	26192919, 28067908
39	Inflammatory Bowel Disease	rs6716753	C	0.0813	26192919, 28067908
40	Inflammatory Bowel Disease	rs6087990	G	0.0488	26192919, 28067908
41	Inflammatory Bowel Disease	rs2111485	A	0.0583	26192919, 28067908
42	Inflammatory Bowel Disease	rs559928	C	0.0944	26192919, 28067908
43	Inflammatory Bowel Disease	rs1182188	T	0.0659	26192919, 28067908
44	Inflammatory Bowel Disease	rs34856868	G	0.1953	26192919, 28067908
45	Inflammatory Bowel Disease	rs4728142	A	0.0507	26192919, 28067908
46	Inflammatory Bowel Disease	rs1405108	C	0.0392	26192919, 28067908
47	Inflammatory Bowel Disease	rs7165170	A	0.0649	26192919, 28067908
48	Inflammatory Bowel Disease	rs10758669	C	0.1488	26192919, 28067908
49	Inflammatory Bowel Disease	rs6062504	G	0.1044	26192919, 28067908
50	Inflammatory Bowel Disease	rs59043219	A	0.077	26192919, 28067908
51	Inflammatory Bowel Disease	rs1199103	A	0.0862	26192919, 28067908
52	Inflammatory Bowel Disease	rs3197999	A	0.1655	26192919, 28067908
53	Inflammatory Bowel Disease	rs7555082	A	0.0959	26192919, 28067908
54	Inflammatory Bowel Disease	rs2816958	G	0.099	26192919, 28067908
55	Inflammatory Bowel Disease	rs28374715	A	0.0488	26192919, 28067908
56	Inflammatory Bowel Disease	rs2361755	G	0.1398	26192919, 28067908
57	Inflammatory Bowel Disease	rs7097656	G	0.0993	26192919, 28067908
58	Inflammatory Bowel Disease	rs16967103	C	0.0643	26192919, 28067908
59	Inflammatory Bowel Disease	rs7517810	T	0.0583	26192919, 28067908
60	Inflammatory Bowel Disease	rs8005161	T	0.1398	26192919, 28067908
61	Inflammatory Bowel Disease	rs616597	C	0.0488	26192919, 28067908
62	Inflammatory Bowel Disease	rs212388	C	0.0537	26192919, 28067908
63	Inflammatory Bowel Disease	rs1801274	A	0.1253	26192919, 28067908
64	Inflammatory Bowel Disease	rs17061048	A	0.1355	26192919, 28067908
65	Inflammatory Bowel Disease	rs2503322	A	0.0392	26192919, 28067908
66	Inflammatory Bowel Disease	rs116392568	C	0.0947	26192919, 28067908
67	Inflammatory Bowel Disease	rs4246905	C	0.1222	26192919, 28067908
68	Inflammatory Bowel Disease	rs1077773	A	0.049	26192919, 28067908
69	Inflammatory Bowel Disease	rs4976646	C	0.073	26192919, 28067908
70	Inflammatory Bowel Disease	rs6426833	A	0.1242	26192919, 28067908
71	Inflammatory Bowel Disease	rs6908425	C	0.0862	26192919, 28067908
72	Inflammatory Bowel Disease	rs72810983	A	0.0626	26192919, 28067908
73	Inflammatory Bowel Disease	rs6556412	A	0.1254	26192919, 28067908
74	Inflammatory Bowel Disease	rs113653754	C	0.1931	26192919, 28067908

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
75	Inflammatory Bowel Disease	rs6740462	A	0.08	26192919, 28067908
76	Inflammatory Bowel Disease	rs3742130	G	0.0864	26192919, 28067908
77	Inflammatory Bowel Disease	rs12946510	T	0.1315	26192919, 28067908
78	Inflammatory Bowel Disease	rs6074022	G	0.0743	26192919, 28067908
79	Inflammatory Bowel Disease	rs12627970	G	0.1093	26192919, 28067908
80	Inflammatory Bowel Disease	rs566416	T	0.0392	26192919, 28067908
81	Inflammatory Bowel Disease	rs1811711	C	0.131	26192919, 28067908
82	Inflammatory Bowel Disease	rs11641184	A	0.0773	26192919, 28067908
83	Inflammatory Bowel Disease	rs2538470	A	0.0676	26192919, 28067908
84	Inflammatory Bowel Disease	rs10061469	T	0.0518	26192919, 28067908
85	Inflammatory Bowel Disease	rs5763767	A	0.077	26192919, 28067908
86	Inflammatory Bowel Disease	rs17229285	C	0.0493	26192919, 28067908
87	Inflammatory Bowel Disease	rs1847472	C	0.0673	26192919, 28067908
88	Inflammatory Bowel Disease	rs7134472	A	0.1044	26192919, 28067908
89	Inflammatory Bowel Disease	rs12199775	A	0.1039	26192919, 28067908
90	Inflammatory Bowel Disease	rs17780256	A	0.0834	26192919, 28067908
91	Inflammatory Bowel Disease	rs727563	C	0.0565	26192919, 28067908
92	Inflammatory Bowel Disease	rs3806308	C	0.0953	26192919, 28067908
93	Inflammatory Bowel Disease	rs11548656	A	0.239	26192919, 28067908
94	Inflammatory Bowel Disease	rs11554257	C	0.1384	26192919, 28067908
95	Inflammatory Bowel Disease	rs12103	A	0.0867	26192919, 28067908
96	Inflammatory Bowel Disease	rs653178	C	0.0564	26192919, 28067908
97	Inflammatory Bowel Disease	rs1517352	C	0.0779	26192919, 28067908
98	Inflammatory Bowel Disease	rs4821544	C	0.0953	26192919, 28067908
99	Inflammatory Bowel Disease	rs194749	C	0.0583	26192919, 28067908
100	Inflammatory Bowel Disease	rs7404095	C	0.0557	26192919, 28067908
101	Inflammatory Bowel Disease	rs11054935	G	0.0505	26192919, 28067908
102	Inflammatory Bowel Disease	rs9297145	C	0.0713	26192919, 28067908
103	Inflammatory Bowel Disease	rs9358372	G	0.0605	26192919, 28067908
104	Inflammatory Bowel Disease	rs13204048	A	0.0497	26192919, 28067908
105	Inflammatory Bowel Disease	rs2382817	A	0.0677	26192919, 28067908
106	Inflammatory Bowel Disease	rs56167332	A	0.1559	26192919, 28067908
107	Inflammatory Bowel Disease	rs2581828	C	0.0953	26192919, 28067908
108	Inflammatory Bowel Disease	rs3116494	G	0.059	26192919, 28067908
109	Inflammatory Bowel Disease	rs224090	T	0.0953	26192919, 28067908
110	Inflammatory Bowel Disease	rs17694108	A	0.0858	26192919, 28067908
111	Inflammatory Bowel Disease	rs13204742	T	0.0916	26192919, 28067908
112	Inflammatory Bowel Disease	rs10486483	A	0.0602	26192919, 28067908
113	Inflammatory Bowel Disease	rs174537	T	0.0583	26192919, 28067908
114	Inflammatory Bowel Disease	rs7236492	C	0.0803	26192919, 28067908

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
115	Inflammatory Bowel Disease	rs4380874	T	0.0806	26192919, 28067908
116	Inflammatory Bowel Disease	rs6088765	G	0.0296	26192919, 28067908
117	Inflammatory Bowel Disease	rs80174646	G	0.6259	26192919, 28067908
118	Inflammatory Bowel Disease	rs6651252	T	0.0908	26192919, 28067908
119	Inflammatory Bowel Disease	rs4256018	G	0.077	26192919, 28067908
120	Inflammatory Bowel Disease	rs423674	G	0.084	26192919, 28067908
121	Inflammatory Bowel Disease	rs12663356	C	0.0627	26192919, 28067908
122	Inflammatory Bowel Disease	rs10798069	G	0.0511	26192919, 28067908
123	Inflammatory Bowel Disease	rs10065637	C	0.0687	26192919, 28067908
124	Inflammatory Bowel Disease	rs670523	A	0.0488	26192919, 28067908
125	Inflammatory Bowel Disease	rs1363907	A	0.0815	26192919, 28067908
126	Inflammatory Bowel Disease	rs10051722	A	0.0616	26192919, 28067908
127	Inflammatory Bowel Disease	rs7015630	T	0.0628	26192919, 28067908
128	Inflammatory Bowel Disease	rs7438704	G	0.0511	26192919, 28067908
129	Inflammatory Bowel Disease	rs12722515	C	0.0989	26192919, 28067908
130	Inflammatory Bowel Disease	rs2641348	A	0.0742	26192919, 28067908
131	Inflammatory Bowel Disease	rs1569328	C	0.081	26192919, 28067908
132	Inflammatory Bowel Disease	rs13407913	G	0.0917	26192919, 28067908
133	Inflammatory Bowel Disease	rs138788	A	0.0862	26192919, 28067908
134	Inflammatory Bowel Disease	rs17622378	G	0.1368	26192919, 28067908
135	Inflammatory Bowel Disease	rs1505992	A	0.1257	26192919, 28067908
136	Inflammatory Bowel Disease	rs2024092	A	0.1068	26192919, 28067908
137	Inflammatory Bowel Disease	rs3172494	T	0.0862	26192919, 28067908
138	Inflammatory Bowel Disease	rs7746082	C	0.1044	26192919, 28067908
139	Inflammatory Bowel Disease	rs6724516	A	0.0583	26192919, 28067908
140	Inflammatory Bowel Disease	rs2593855	C	0.0862	26192919, 28067908
141	Inflammatory Bowel Disease	rs12942547	A	0.0953	26192919, 28067908
142	Inflammatory Bowel Disease	rs113010081	C	0.0922	26192919, 28067908
143	Inflammatory Bowel Disease	rs3851228	T	0.1484	26192919, 28067908
144	Inflammatory Bowel Disease	rs11734570	A	0.0677	26192919, 28067908
145	Inflammatory Bowel Disease	rs6856616	C	0.0934	26192919, 28067908
146	Inflammatory Bowel Disease	rs2488389	A	0.0953	26192919, 28067908
147	Inflammatory Bowel Disease	rs6740847	A	0.0953	26192919, 28067908
148	Inflammatory Bowel Disease	rs1292053	G	0.0701	26192919, 28067908
149	Inflammatory Bowel Disease	rs2836878	G	0.1655	26192919, 28067908
150	Inflammatory Bowel Disease	rs26528	C	0.0969	26192919, 28067908
151	Inflammatory Bowel Disease	rs11150589	T	0.05	26192919, 28067908
152	Inflammatory Bowel Disease	rs12994997	A	0.1336	26192919, 28067908
153	Inflammatory Bowel Disease	rs1893217	G	0.1432	26192919, 28067908
154	Inflammatory Bowel Disease	rs1748195	G	0.0392	26192919, 28067908

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
155	Inflammatory Bowel Disease	rs17736589	G	0.0488	26192919, 28067908
156	Inflammatory Bowel Disease	rs144344067	A	0.1133	26192919, 28067908
157	Inflammatory Bowel Disease	rs11083840	G	0.0473	26192919, 28067908
158	Inflammatory Bowel Disease	rs11742570	C	0.174	26192919, 28067908
159	Inflammatory Bowel Disease	rs56116661	C	0.131	26192919, 28067908
160	Inflammatory Bowel Disease	rs11064881	A	0.0994	26192919, 28067908
161	Inflammatory Bowel Disease	rs17293632	T	0.1072	26192919, 28067908
162	Inflammatory Bowel Disease	rs1456896	T	0.0784	26192919, 28067908
163	Inflammatory Bowel Disease	rs561722	C	0.0645	26192919, 28067908
164	Inflammatory Bowel Disease	rs3091315	A	0.1036	26192919, 28067908
165	Inflammatory Bowel Disease	rs6025	C	0.1775	26192919, 28067908
166	Inflammatory Bowel Disease	rs1260326	T	0.0771	26192919, 28067908
167	Inflammatory Bowel Disease	rs727088	G	0.0618	26192919, 28067908
168	Inflammatory Bowel Disease	rs9868809	T	0.1372	26192919, 28067908
169	Inflammatory Bowel Disease	rs395157	T	0.0914	26192919, 28067908
170	Inflammatory Bowel Disease	rs243505	A	0.077	26192919, 28067908
171	Inflammatory Bowel Disease	rs254560	A	0.0615	26192919, 28067908
172	Inflammatory Bowel Disease	rs11168249	C	0.0392	26192919, 28067908
173	Inflammatory Bowel Disease	rs6708413	G	0.0878	26192919, 28067908
174	Inflammatory Bowel Disease	rs2284553	G	0.0595	26192919, 28067908
175	Inflammatory Bowel Disease	rs4692386	C	0.058	26192919, 28067908
176	Inflammatory Bowel Disease	rs503734	A	0.0677	26192919, 28067908
177	Inflammatory Bowel Disease	rs4541435	T	0.1484	26192919, 28067908
178	Inflammatory Bowel Disease	rs10761659	G	0.1538	26192919, 28067908
179	Inflammatory Bowel Disease	rs10495903	T	0.1044	26192919, 28067908
180	Inflammatory Bowel Disease	rs2930047	C	0.077	26192919, 28067908
181	Inflammatory Bowel Disease	rs4243971	G	0.0487	26192919, 28067908
182	Inflammatory Bowel Disease	rs3764147	G	0.0946	26192919, 28067908
183	Inflammatory Bowel Disease	rs7517847	T	0.2469	26192919, 28067908
184	Inflammatory Bowel Disease	rs2256609	G	0.0862	26192919, 28067908
185	Inflammatory Bowel Disease	rs259964	A	0.0675	26192919, 28067908
186	Inflammatory Bowel Disease	rs3740415	A	0.0488	26192919, 28067908
187	Inflammatory Bowel Disease	rs1842076	T	0.0866	26192919, 28067908
188	Inflammatory Bowel Disease	rs38911	G	0.0392	26192919, 28067908
189	Inflammatory Bowel Disease	rs76527535	C	0.0862	26192919, 28067908
190	Inflammatory Bowel Disease	rs7011507	G	0.0846	26192919, 28067908
191	Inflammatory Bowel Disease	rs11768365	A	0.0862	26192919, 28067908
192	Inflammatory Bowel Disease	rs11583043	T	0.0539	26192919, 28067908
193	Inflammatory Bowel Disease	rs17656349	T	0.0862	26192919, 28067908
194	Inflammatory Bowel Disease	rs907611	A	0.0603	26192919, 28067908

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
195	Inflammatory Bowel Disease	rs2413583	C	0.174	26192919, 28067908
196	Inflammatory Bowel Disease	rs2155219	T	0.1484	26192919, 28067908
197	Inflammatory Bowel Disease	rs7805114	A	0.0583	26192919, 28067908
198	Inflammatory Bowel Disease	rs4256159	T	0.0862	26192919, 28067908
199	Inflammatory Bowel Disease	rs4703855	C	0.0711	26192919, 28067908
200	Inflammatory Bowel Disease	rs7911117	T	0.131	26192919, 28067908
201	Inflammatory Bowel Disease	rs1819333	T	0.0862	26192919, 28067908
202	Inflammatory Bowel Disease	rs12718244	A	0.0762	26192919, 28067908
203	Inflammatory Bowel Disease	rs10995235	A	0.077	26192919, 28067908
204	Inflammatory Bowel Disease	rs17391694	C	0.077	26192919, 28067908
205	Inflammatory Bowel Disease	rs915286	A	0.0587	26192919, 28067908
206	Inflammatory Bowel Disease	rs1042058	C	0.0583	26192919, 28067908
207	Inflammatory Bowel Disease	rs4768236	C	0.0816	26192919, 28067908
208	Inflammatory Bowel Disease	rs10185424	T	0.0862	26192919, 28067908
209	Inflammatory Bowel Disease	rs2227551	T	0.077	26192919, 28067908
210	Inflammatory Bowel Disease	rs516246	T	0.0756	26192919, 28067908
211	Inflammatory Bowel Disease	rs921720	G	0.0862	26192919, 28067908
212	Inflammatory Bowel Disease	rs11743851	C	0.1024	26192919, 28067908
213	Inflammatory Bowel Disease	rs2823286	G	0.1133	26192919, 28067908
214	Inflammatory Bowel Disease	rs11230563	C	0.0812	26192919, 28067908
215	Inflammatory Bowel Disease	rs941823	C	0.083	26192919, 28067908
216	Inflammatory Bowel Disease	rs12778642	T	0.0488	26192919, 28067908
217	Inflammatory Bowel Disease	rs9313808	G	0.1422	26192919, 28067908
218	Inflammatory Bowel Disease	rs9525625	T	0.045	26192919, 28067908
219	Inflammatory Bowel Disease	rs7608910	G	0.1264	26192919, 28067908
220	Inflammatory Bowel Disease	rs11879191	G	0.1133	26192919, 28067908
221	Inflammatory Bowel Disease	rs7657746	A	0.0869	26192919, 28067908
222	Inflammatory Bowel Disease	rs1250546	A	0.0862	26192919, 28067908
223	Inflammatory Bowel Disease	rs7758080	G	0.058	26192919, 28067908
224	Inflammatory Bowel Disease	rs113986290	C	0.3075	26192919, 28067908
225	Inflammatory Bowel Disease	rs12422544	C	0.3001	26192919, 28067908
226	Inflammatory Bowel Disease	rs4802307	G	0.0611	26192919, 28067908
227	Inflammatory Bowel Disease	rs3749171	T	0.1133	26192919, 28067908
228	Inflammatory Bowel Disease	rs3766606	G	0.1133	26192919, 28067908
229	Inflammatory Bowel Disease	rs11010067	G	0.1058	26192919, 28067908
230	Inflammatory Bowel Disease	rs9319943	C	0.0392	26192919, 28067908
231	Inflammatory Bowel Disease	rs11229555	G	0.0788	26192919, 28067908
1	LDL Cholesterol	rs4635554	G	0.0221	30275531
2	LDL Cholesterol	rs3816492	C	0.0167	30275531
3	LDL Cholesterol	rs2251219	C	0.0137	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
4	LDL Cholesterol	rs41274050	T	0.0774	30275531
5	LDL Cholesterol	rs129128	T	0.0208	30275531
6	LDL Cholesterol	rs4745	A	0.0124	30275531
7	LDL Cholesterol	rs4968318	A	0.022	30275531
8	LDL Cholesterol	rs13315871	G	0.0323	30275531
9	LDL Cholesterol	rs11774381	C	0.0286	30275531
10	LDL Cholesterol	rs1473886	G	0.0146	30275531
11	LDL Cholesterol	rs12208357	T	0.0616	30275531
12	LDL Cholesterol	rs2521567	G	0.0149	30275531
13	LDL Cholesterol	rs1979848	A	0.0257	30275531
14	LDL Cholesterol	rs1521516	C	0.0161	30275531
15	LDL Cholesterol	rs35172831	T	0.0191	30275531
16	LDL Cholesterol	rs4870941	C	0.0439	30275531
17	LDL Cholesterol	rs1044418	T	0.018	30275531
18	LDL Cholesterol	rs887829	C	0.0205	30275531
19	LDL Cholesterol	rs2235215	T	0.0246	30275531
20	LDL Cholesterol	rs10260606	C	0.0369	30275531
21	LDL Cholesterol	rs7080366	T	0.0194	30275531
22	LDL Cholesterol	rs3742318	T	0.0201	30275531
23	LDL Cholesterol	rs34130495	A	0.0478	30275531
24	LDL Cholesterol	rs12175867	T	0.0255	30275531
25	LDL Cholesterol	rs679899	G	0.0295	30275531
26	LDL Cholesterol	rs1122608	G	0.0479	30275531
27	LDL Cholesterol	rs1475701	C	0.0676	30275531
28	LDL Cholesterol	rs2833487	G	0.035	30275531
29	LDL Cholesterol	rs3852861	G	0.0563	30275531
30	LDL Cholesterol	rs2068888	G	0.0171	30275531
31	LDL Cholesterol	rs1260327	A	0.0148	30275531
32	LDL Cholesterol	rs732841	A	0.0413	30275531
33	LDL Cholesterol	rs1169288	C	0.0346	30275531
34	LDL Cholesterol	rs4752805	G	0.0148	30275531
35	LDL Cholesterol	rs58542926	C	0.0978	30275531
36	LDL Cholesterol	rs1808458	T	0.031	30275531
37	LDL Cholesterol	rs1048013	T	0.0123	30275531
38	LDL Cholesterol	rs118004742	T	0.0291	30275531
39	LDL Cholesterol	rs4302748	A	0.0152	30275531
40	LDL Cholesterol	rs4300767	G	0.0947	30275531
41	LDL Cholesterol	rs2391211	T	0.0231	30275531
42	LDL Cholesterol	rs59325138	T	0.0982	30275531
43	LDL Cholesterol	rs12713843	C	0.1881	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
44	LDL Cholesterol	rs61739739	T	0.08	30275531
45	LDL Cholesterol	rs892010	C	0.0395	30275531
46	LDL Cholesterol	rs3184504	C	0.0258	30275531
47	LDL Cholesterol	rs17651629	C	0.0317	30275531
48	LDL Cholesterol	rs11669338	T	0.0501	30275531
49	LDL Cholesterol	rs12610605	A	0.1262	30275531
50	LDL Cholesterol	rs1135062	G	0.0169	30275531
51	LDL Cholesterol	rs9646133	G	0.0195	30275531
52	LDL Cholesterol	rs3780181	A	0.0328	30275531
53	LDL Cholesterol	rs11080150	A	0.0148	30275531
54	LDL Cholesterol	rs7640978	C	0.0321	30275531
55	LDL Cholesterol	rs2954029	A	0.0242	30275531
56	LDL Cholesterol	rs61754230	T	0.0515	30275531
57	LDL Cholesterol	rs2239619	A	0.0159	30275531
58	LDL Cholesterol	rs2479409	G	0.0225	30275531
59	LDL Cholesterol	rs814295	A	0.0305	30275531
60	LDL Cholesterol	rs769452	C	0.1493	30275531
61	LDL Cholesterol	rs1129187	G	0.0123	30275531
62	LDL Cholesterol	rs4077440	T	0.1167	30275531
63	LDL Cholesterol	rs11669576	A	0.0636	30275531
64	LDL Cholesterol	rs10888896	C	0.0289	30275531
65	LDL Cholesterol	rs157580	A	0.0754	30275531
66	LDL Cholesterol	rs157582	C	0.0324	30275531
67	LDL Cholesterol	rs6547409	C	0.0953	30275531
68	LDL Cholesterol	rs3800406	A	0.0278	30275531
69	LDL Cholesterol	rs4148218	G	0.0598	30275531
70	LDL Cholesterol	rs867772	G	0.0258	30275531
71	LDL Cholesterol	rs17789218	T	0.022	30275531
72	LDL Cholesterol	rs4804579	T	0.0244	30275531
73	LDL Cholesterol	rs3745677	A	0.0774	30275531
74	LDL Cholesterol	rs35106910	A	0.0317	30275531
75	LDL Cholesterol	rs558971	G	0.0363	30275531
76	LDL Cholesterol	rs492602	G	0.0279	30275531
77	LDL Cholesterol	rs6058302	C	0.0271	30275531
78	LDL Cholesterol	rs62440901	T	0.0358	30275531
79	LDL Cholesterol	rs11583680	T	0.0272	30275531
80	LDL Cholesterol	rs174449	A	0.0268	30275531
81	LDL Cholesterol	rs641738	T	0.0141	30275531
82	LDL Cholesterol	rs3798236	T	0.0184	30275531
83	LDL Cholesterol	rs1997243	G	0.0164	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
84	LDL Cholesterol	rs28929474	T	0.0713	30275531
85	LDL Cholesterol	rs3816873	T	0.0135	30275531
86	LDL Cholesterol	rs2081687	T	0.0268	30275531
87	LDL Cholesterol	rs6511721	G	0.0371	30275531
88	LDL Cholesterol	rs3846662	G	0.0565	30275531
89	LDL Cholesterol	rs4883201	A	0.0228	30275531
90	LDL Cholesterol	rs10773003	A	0.0237	30275531
91	LDL Cholesterol	rs10119	A	0.0668	30275531
92	LDL Cholesterol	rs7616006	A	0.0222	30275531
93	LDL Cholesterol	rs11955819	T	0.0583	30275531
94	LDL Cholesterol	rs314253	T	0.0203	30275531
95	LDL Cholesterol	rs11206510	T	0.0684	30275531
96	LDL Cholesterol	rs12740374	G	0.1598	30275531
97	LDL Cholesterol	rs7197453	C	0.0251	30275531
98	LDL Cholesterol	rs704	A	0.0201	30275531
99	LDL Cholesterol	rs12602912	T	0.0156	30275531
100	LDL Cholesterol	rs4921914	C	0.0181	30275531
101	LDL Cholesterol	rs405509	T	0.1727	30275531
102	LDL Cholesterol	rs4773173	A	0.0164	30275531
103	LDL Cholesterol	rs2992753	C	0.0124	30275531
104	LDL Cholesterol	rs6016373	A	0.0227	30275531
105	LDL Cholesterol	rs13107325	C	0.0292	30275531
106	LDL Cholesterol	rs13192471	C	0.0336	30275531
107	LDL Cholesterol	rs330093	C	0.0295	30275531
108	LDL Cholesterol	rs12601110	A	0.0272	30275531
109	LDL Cholesterol	rs62122515	A	0.0258	30275531
110	LDL Cholesterol	rs11556157	T	0.0202	30275531
111	LDL Cholesterol	rs72796748	T	0.0588	30275531
112	LDL Cholesterol	rs738409	C	0.0148	30275531
113	LDL Cholesterol	rs8069974	C	0.0148	30275531
114	LDL Cholesterol	rs515135	C	0.0882	30275531
115	LDL Cholesterol	rs2954038	C	0.0368	30275531
116	LDL Cholesterol	rs11782386	C	0.0246	30275531
117	LDL Cholesterol	rs6062343	G	0.0146	30275531
118	LDL Cholesterol	rs12670798	C	0.0295	30275531
119	LDL Cholesterol	rs4129767	A	0.0157	30275531
120	LDL Cholesterol	rs2274224	G	0.0142	30275531
121	LDL Cholesterol	rs17111483	T	0.0403	30275531
122	LDL Cholesterol	rs150090162	A	0.1614	30275531
123	LDL Cholesterol	rs35259348	C	0.0197	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
124	LDL Cholesterol	rs2569538	G	0.0606	30275531
125	LDL Cholesterol	rs12713844	C	0.0741	30275531
126	LDL Cholesterol	rs3812594	G	0.0139	30275531
127	LDL Cholesterol	rs2282889	G	0.0164	30275531
128	LDL Cholesterol	rs4485425	G	0.0189	30275531
129	LDL Cholesterol	rs9390698	A	0.0129	30275531
130	LDL Cholesterol	rs1042023	C	0.0864	30275531
131	LDL Cholesterol	rs4722551	C	0.0386	30275531
132	LDL Cholesterol	rs9302635	T	0.055	30275531
133	LDL Cholesterol	rs1801702	C	0.0969	30275531
134	LDL Cholesterol	rs1730859	G	0.019	30275531
135	LDL Cholesterol	rs6435161	T	0.0236	30275531
136	LDL Cholesterol	rs73015030	G	0.0788	30275531
137	LDL Cholesterol	rs12742537	A	0.0153	30275531
138	LDL Cholesterol	rs439401	T	0.0292	30275531
139	LDL Cholesterol	rs3852856	A	0.0612	30275531
140	LDL Cholesterol	rs10185855	A	0.0138	30275531
141	LDL Cholesterol	rs144787122	G	0.1042	30275531
142	LDL Cholesterol	rs871841	C	0.0146	30275531
143	LDL Cholesterol	rs10263252	G	0.023	30275531
144	LDL Cholesterol	rs693668	A	0.0286	30275531
145	LDL Cholesterol	rs10513551	G	0.0154	30275531
146	LDL Cholesterol	rs10757272	C	0.0195	30275531
147	LDL Cholesterol	rs7941030	C	0.0138	30275531
148	LDL Cholesterol	rs12939848	C	0.014	30275531
149	LDL Cholesterol	rs1014283	C	0.0186	30275531
150	LDL Cholesterol	rs6718187	G	0.0697	30275531
151	LDL Cholesterol	rs4530754	A	0.0161	30275531
152	LDL Cholesterol	rs6706968	C	0.0228	30275531
153	LDL Cholesterol	rs3748034	T	0.0179	30275531
154	LDL Cholesterol	rs11603023	T	0.0126	30275531
155	LDL Cholesterol	rs1982074	A	0.0229	30275531
156	LDL Cholesterol	rs1800562	G	0.0492	30275531
157	LDL Cholesterol	rs941408	T	0.0163	30275531
158	LDL Cholesterol	rs769450	A	0.0605	30275531
159	LDL Cholesterol	rs10455872	G	0.0876	30275531
160	LDL Cholesterol	rs10893500	C	0.0427	30275531
161	LDL Cholesterol	rs5927	G	0.0299	30275531
162	LDL Cholesterol	rs115881343	T	0.1945	30275531
163	LDL Cholesterol	rs11571836	A	0.0213	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
164	LDL Cholesterol	rs13268	A	0.042	30275531
165	LDL Cholesterol	rs10062361	T	0.0245	30275531
166	LDL Cholesterol	rs4968839	T	0.0387	30275531
167	LDL Cholesterol	rs4704825	G	0.0279	30275531
168	LDL Cholesterol	rs3798220	C	0.1363	30275531
169	LDL Cholesterol	rs45508991	T	0.1064	30275531
170	LDL Cholesterol	rs10874746	C	0.0154	30275531
171	LDL Cholesterol	rs2792751	T	0.0262	30275531
172	LDL Cholesterol	rs12710745	A	0.02	30275531
173	LDL Cholesterol	rs2522056	G	0.0182	30275531
174	LDL Cholesterol	rs926663	A	0.0144	30275531
175	LDL Cholesterol	rs562556	A	0.1298	30275531
176	LDL Cholesterol	rs1891110	A	0.0212	30275531
177	LDL Cholesterol	rs6072328	C	0.0264	30275531
178	LDL Cholesterol	rs77960347	G	0.0797	30275531
179	LDL Cholesterol	rs3812945	C	0.015	30275531
180	LDL Cholesterol	rs8103315	A	0.0277	30275531
181	LDL Cholesterol	rs72852601	T	0.0481	30275531
182	LDL Cholesterol	rs1165222	G	0.1352	30275531
183	LDL Cholesterol	rs635634	T	0.075	30275531
184	LDL Cholesterol	rs77542162	G	0.1767	30275531
185	LDL Cholesterol	rs6511727	T	0.0202	30275531
186	LDL Cholesterol	rs217181	C	0.0494	30275531
187	LDL Cholesterol	rs6859	A	0.0783	30275531
188	LDL Cholesterol	rs9298506	G	0.0217	30275531
189	LDL Cholesterol	rs2737245	G	0.0179	30275531
190	LDL Cholesterol	rs2886232	T	0.0409	30275531
191	LDL Cholesterol	rs1652507	T	0.027	30275531
192	LDL Cholesterol	rs3905000	G	0.0179	30275531
193	LDL Cholesterol	rs1487971	C	0.0157	30275531
194	LDL Cholesterol	rs870992	G	0.0268	30275531
195	LDL Cholesterol	rs67710536	C	0.0267	30275531
196	LDL Cholesterol	rs10490626	G	0.0447	30275531
197	LDL Cholesterol	rs2745865	T	0.0387	30275531
198	LDL Cholesterol	rs10065787	G	0.0189	30275531
199	LDL Cholesterol	rs6502640	A	0.0195	30275531
200	LDL Cholesterol	rs72836561	C	0.0373	30275531
201	LDL Cholesterol	rs10489488	G	0.0934	30275531
202	LDL Cholesterol	rs138777	A	0.0125	30275531
203	LDL Cholesterol	rs2183573	G	0.0144	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
204	LDL Cholesterol	rs35803101	G	0.1387	30275531
205	LDL Cholesterol	rs7241918	T	0.0191	30275531
206	LDL Cholesterol	rs892115	G	0.0232	30275531
207	LDL Cholesterol	rs8104483	G	0.0874	30275531
208	LDL Cholesterol	rs35350976	G	0.0168	30275531
209	LDL Cholesterol	rs12748152	T	0.026	30275531
210	LDL Cholesterol	rs2143544	C	0.0165	30275531
211	LDL Cholesterol	rs11125936	T	0.0245	30275531
212	LDL Cholesterol	rs2287623	G	0.0181	30275531
213	LDL Cholesterol	rs2198562	C	0.0353	30275531
214	LDL Cholesterol	rs187706273	G	0.1081	30275531
215	LDL Cholesterol	rs10417443	C	0.0325	30275531
216	LDL Cholesterol	rs9376090	T	0.0275	30275531
217	LDL Cholesterol	rs7551981	T	0.0296	30275531
218	LDL Cholesterol	rs28555129	A	0.0134	30275531
1	Melanoma	rs4785763	A	0.1989	28212542
2	Melanoma	rs16891982	G	0.6931	28212542
3	Melanoma	rs6059655	A	0.3221	28212542
4	Melanoma	rs187843643	T	0.6729	28212542
5	Melanoma	rs7023329	A	0.1655	28212542
6	Melanoma	rs1393350	A	0.157	28212542
7	Melanoma	rs35407	G	0.734	28212542
8	Melanoma	rs910873	A	0.3075	28212542
9	Melanoma	rs62389423	A	0.2151	28212542
10	Melanoma	rs1805007	T	0.4055	28212542
11	Melanoma	rs1885120	C	0.3001	28212542
12	Melanoma	rs258322	A	0.2852	28212542
13	Melanoma	rs45430	T	0.1165	28212542
1	Multiple Sclerosis	rs6880778	G	0.1133	26343388, 24076602
2	Multiple Sclerosis	rs756699	T	0.1133	26343388, 24076602
3	Multiple Sclerosis	rs8070345	T	0.1133	26343388, 24076602
4	Multiple Sclerosis	rs1813375	T	0.1398	26343388, 24076602
5	Multiple Sclerosis	rs9828629	G	0.077	26343388, 24076602
6	Multiple Sclerosis	rs7132277	T	0.1133	26343388, 24076602
7	Multiple Sclerosis	rs2688608	T	0.0677	26343388, 24076602
8	Multiple Sclerosis	rs212405	T	0.1133	26343388, 24076602
9	Multiple Sclerosis	rs2256814	A	0.0862	26343388, 24076602
10	Multiple Sclerosis	rs6498184	C	0.1398	26343388, 24076602
11	Multiple Sclerosis	rs3135388	A	1.3661	26343388, 24076602
12	Multiple Sclerosis	rs1843938	A	0.077	26343388, 24076602

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
13	Multiple Sclerosis	rs1131265	C	0.157	26343388, 24076602
14	Multiple Sclerosis	rs2726518	C	0.0677	26343388, 24076602
15	Multiple Sclerosis	rs706015	G	0.0953	26343388, 24076602
16	Multiple Sclerosis	rs1800693	C	0.131	26343388, 24076602
17	Multiple Sclerosis	rs17785991	A	0.0677	26343388, 24076602
18	Multiple Sclerosis	rs4796791	T	0.1133	26343388, 24076602
19	Multiple Sclerosis	rs9989735	C	0.1484	26343388, 24076602
20	Multiple Sclerosis	rs1036207	G	0.0677	26343388, 24076602
21	Multiple Sclerosis	rs12946510	T	0.0677	26343388, 24076602
22	Multiple Sclerosis	rs7769192	G	0.077	26343388, 24076602
23	Multiple Sclerosis	rs2163226	T	0.1133	26343388, 24076602
24	Multiple Sclerosis	rs7196953	A	0.0862	26343388, 24076602
25	Multiple Sclerosis	rs4794058	T	0.0862	26343388, 24076602
26	Multiple Sclerosis	rs2050568	C	0.077	26343388, 24076602
27	Multiple Sclerosis	rs1077667	G	0.1484	26343388, 24076602
28	Multiple Sclerosis	rs2104286	T	0.1989	26343388, 24076602
29	Multiple Sclerosis	rs67297943	T	0.1044	26343388, 24076602
30	Multiple Sclerosis	rs8107548	C	0.1044	26343388, 24076602
31	Multiple Sclerosis	rs11554159	G	0.1398	26343388, 24076602
32	Multiple Sclerosis	rs4976646	C	0.1133	26343388, 24076602
33	Multiple Sclerosis	rs4665719	C	0.077	26343388, 24076602
34	Multiple Sclerosis	rs34383631	T	0.1222	26343388, 24076602
35	Multiple Sclerosis	rs11587876	T	0.0862	26343388, 24076602
36	Multiple Sclerosis	rs1359062	C	0.1398	26343388, 24076602
37	Multiple Sclerosis	rs1782645	A	0.0953	26343388, 24076602
38	Multiple Sclerosis	rs694739	A	0.0677	26343388, 24076602
39	Multiple Sclerosis	rs7552544	T	0.0953	26343388, 24076602
40	Multiple Sclerosis	rs2229092	C	0.2852	26343388, 24076602
41	Multiple Sclerosis	rs4780346	A	0.0862	26343388, 24076602
42	Multiple Sclerosis	rs2283792	G	0.0953	26343388, 24076602
43	Multiple Sclerosis	rs74796499	C	0.2776	26343388, 24076602
44	Multiple Sclerosis	rs759648	C	0.077	26343388, 24076602
45	Multiple Sclerosis	rs941816	G	0.1044	26343388, 24076602
46	Multiple Sclerosis	rs12296430	C	0.1133	26343388, 24076602
47	Multiple Sclerosis	rs17119	A	0.0953	26343388, 24076602
48	Multiple Sclerosis	rs7595717	T	0.0953	26343388, 24076602
49	Multiple Sclerosis	rs4810485	A	0.1044	26343388, 24076602
50	Multiple Sclerosis	rs523604	A	0.0953	26343388, 24076602
51	Multiple Sclerosis	rs8042861	A	0.0677	26343388, 24076602
52	Multiple Sclerosis	rs3748817	T	0.131	26343388, 24076602

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
53	Multiple Sclerosis	rs2248359	C	0.0862	26343388, 24076602
54	Multiple Sclerosis	rs201202118	A	0.1222	26343388, 24076602
55	Multiple Sclerosis	rs4679081	C	0.0677	26343388, 24076602
56	Multiple Sclerosis	rs793108	T	0.077	26343388, 24076602
57	Multiple Sclerosis	rs6881706	G	0.1133	26343388, 24076602
58	Multiple Sclerosis	rs1870071	C	0.0953	26343388, 24076602
59	Multiple Sclerosis	rs34536443	C	0.2546	26343388, 24076602
60	Multiple Sclerosis	rs2255214	G	0.1222	26343388, 24076602
61	Multiple Sclerosis	rs35929052	G	0.1398	26343388, 24076602
62	Multiple Sclerosis	rs72928038	A	0.131	26343388, 24076602
63	Multiple Sclerosis	rs4410871	C	0.1044	26343388, 24076602
64	Multiple Sclerosis	rs12927355	C	0.1823	26343388, 24076602
65	Multiple Sclerosis	rs4772201	A	0.0953	26343388, 24076602
66	Multiple Sclerosis	rs7775055	C	0.4383	26343388, 24076602
67	Multiple Sclerosis	rs7923837	G	0.1044	26343388, 24076602
68	Multiple Sclerosis	rs11154801	A	0.1133	26343388, 24076602
69	Multiple Sclerosis	rs9736016	T	0.0953	26343388, 24076602
70	Multiple Sclerosis	rs7204270	G	0.0862	26343388, 24076602
71	Multiple Sclerosis	rs9266773	T	0.2469	26343388, 24076602
72	Multiple Sclerosis	rs12087340	T	0.1906	26343388, 24076602
73	Multiple Sclerosis	rs9967792	C	0.0862	26343388, 24076602
74	Multiple Sclerosis	rs59772922	T	0.0862	26343388, 24076602
75	Multiple Sclerosis	rs7120737	G	0.0953	26343388, 24076602
76	Multiple Sclerosis	rs3957146	C	0.2624	26343388, 24076602
77	Multiple Sclerosis	rs7665090	G	0.0862	26343388, 24076602
78	Multiple Sclerosis	rs1886700	T	0.0953	26343388, 24076602
79	Multiple Sclerosis	rs3007421	A	0.1044	26343388, 24076602
80	Multiple Sclerosis	rs2371108	T	0.0953	26343388, 24076602
81	Multiple Sclerosis	rs1920296	C	0.1133	26343388, 24076602
82	Multiple Sclerosis	rs6677309	A	0.2546	26343388, 24076602
83	Multiple Sclerosis	rs4713274	G	0.3988	26343388, 24076602
84	Multiple Sclerosis	rs60600003	C	0.1398	26343388, 24076602
85	Multiple Sclerosis	rs917116	G	0.0862	26343388, 24076602
86	Multiple Sclerosis	rs2288904	G	0.0953	26343388, 24076602
87	Multiple Sclerosis	rs12149527	T	0.077	26343388, 24076602
88	Multiple Sclerosis	rs1021156	T	0.1044	26343388, 24076602
89	Multiple Sclerosis	rs9277565	T	0.2776	26343388, 24076602
90	Multiple Sclerosis	rs2236262	A	0.077	26343388, 24076602
91	Multiple Sclerosis	rs12148050	A	0.0862	26343388, 24076602
92	Multiple Sclerosis	rs666930	C	0.077	26343388, 24076602

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
93	Multiple Sclerosis	rs41286801	T	0.174	26343388, 24076602
94	Multiple Sclerosis	rs11719975	C	0.077	26343388, 24076602
95	Multiple Sclerosis	rs533646	G	0.0862	26343388, 24076602
96	Multiple Sclerosis	rs11052877	G	0.0862	26343388, 24076602
97	Multiple Sclerosis	rs71624119	G	0.1044	26343388, 24076602
98	Multiple Sclerosis	rs1014486	C	0.1044	26343388, 24076602
99	Multiple Sclerosis	rs35967351	A	0.0862	26343388, 24076602
100	Multiple Sclerosis	rs842639	A	0.0953	26343388, 24076602
101	Multiple Sclerosis	rs55838263	A	0.1222	26343388, 24076602
102	Multiple Sclerosis	rs17066096	G	0.131	26343388, 24076602
1	Pancreatic Cancer	rs4795218	G	0.1278	29422604
2	Pancreatic Cancer	rs401681	T	0.174	29422604
3	Pancreatic Cancer	rs16986825	T	0.1398	29422604
4	Pancreatic Cancer	rs17688601	C	0.1278	29422604
5	Pancreatic Cancer	rs1561927	T	0.1165	29422604
6	Pancreatic Cancer	rs73328514	A	0.1625	29422604
7	Pancreatic Cancer	rs920065566	C	0.239	29422604
8	Pancreatic Cancer	rs6971499	T	0.2107	29422604
9	Pancreatic Cancer	rs9854771	G	0.1054	29422604
10	Pancreatic Cancer	rs9543325	C	0.2151	29422604
11	Pancreatic Cancer	rs1486134	G	0.1222	29422604
12	Pancreatic Cancer	rs7190458	A	0.3075	29422604
13	Pancreatic Cancer	rs13303010	G	0.2311	29422604
14	Pancreatic Cancer	rs1517037	C	0.1484	29422604
15	Pancreatic Cancer	rs9581943	A	0.1398	29422604
16	Pancreatic Cancer	rs2736098	C	0.1744	29422604
17	Pancreatic Cancer	rs35226131	C	0.4005	29422604
18	Pancreatic Cancer	rs7214041	T	0.2231	29422604
19	Pancreatic Cancer	rs10094872	T	0.131	29422604
20	Pancreatic Cancer	rs2941471	A	0.1165	29422604
21	Pancreatic Cancer	rs3790844	A	0.2107	29422604
22	Pancreatic Cancer	rs2816938	A	0.1906	29422604
1	Parkinson's Disease	rs353116	C	0.0619	28892059
2	Parkinson's Disease	rs17649553	C	0.2485	28892059
3	Parkinson's Disease	rs591323	G	0.0943	28892059
4	Parkinson's Disease	rs117896735	A	0.5008	28892059
5	Parkinson's Disease	rs8005172	T	0.077	28892059
6	Parkinson's Disease	rs2694528	C	0.1398	28892059
7	Parkinson's Disease	rs356182	G	0.2852	28892059
8	Parkinson's Disease	rs9275326	C	0.1625	28892059

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
9	Parkinson's Disease	rs34884217	A	0.2086	28892059
10	Parkinson's Disease	rs78738012	C	0.1222	28892059
11	Parkinson's Disease	rs2280104	T	0.0677	28892059
12	Parkinson's Disease	rs6430538	C	0.1165	28892059
13	Parkinson's Disease	rs4073221	G	0.0953	28892059
14	Parkinson's Disease	rs76904798	T	0.1398	28892059
15	Parkinson's Disease	rs34637584	A	2.2638	28892059
16	Parkinson's Disease	rs4653767	T	0.0834	28892059
17	Parkinson's Disease	rs2230288	T	0.5008	28892059
18	Parkinson's Disease	rs11724635	A	0.1054	28892059
19	Parkinson's Disease	rs12497850	T	0.0726	28892059
20	Parkinson's Disease	rs329648	T	0.0862	28892059
21	Parkinson's Disease	rs10797576	T	0.1133	28892059
22	Parkinson's Disease	rs13294100	G	0.0834	28892059
23	Parkinson's Disease	rs143918452	A	0.3857	28892059
24	Parkinson's Disease	rs4784227	T	0.0862	28892059
25	Parkinson's Disease	rs9468199	A	0.1044	28892059
26	Parkinson's Disease	rs10906923	A	0.0726	28892059
27	Parkinson's Disease	rs823118	T	0.1165	28892059
28	Parkinson's Disease	rs12456492	G	0.0953	28892059
29	Parkinson's Disease	rs12637471	G	0.1625	28892059
30	Parkinson's Disease	rs2414739	A	0.0943	28892059
31	Parkinson's Disease	rs34311866	C	0.207	28892059
32	Parkinson's Disease	rs13201101	T	0.1697	28892059
33	Parkinson's Disease	rs14235	A	0.077	28892059
34	Parkinson's Disease	rs11060180	A	0.1054	28892059
35	Parkinson's Disease	rs6812193	C	0.0834	28892059
36	Parkinson's Disease	rs76763715	G	1.203	28892059
37	Parkinson's Disease	rs199347	A	0.0943	28892059
38	Parkinson's Disease	rs1474055	T	0.1863	28892059
39	Parkinson's Disease	rs3793947	G	0.0726	28892059
40	Parkinson's Disease	rs35749011	A	0.5447	28892059
41	Parkinson's Disease	rs11158026	C	0.0943	28892059
42	Parkinson's Disease	rs11343	T	0.0677	28892059
43	Parkinson's Disease	rs1555399	T	0.0862	28892059
44	Parkinson's Disease	rs7681154	C	0.0198	28892059
45	Parkinson's Disease	rs34043159	C	0.077	28892059
46	Parkinson's Disease	rs114138760	C	0.4181	28892059
1	Prostate Cancer	rs12500426	A	0.0677	29892016
2	Prostate Cancer	rs16901979	A	0.4447	29892016

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
3	Prostate Cancer	rs11649743	G	0.1222	29892016
4	Prostate Cancer	rs5799921	GA	0.0583	29892016
5	Prostate Cancer	rs10793821	T	0.0488	29892016
6	Prostate Cancer	rs9306895	C	0.077	29892016
7	Prostate Cancer	rs138213197	T	1.3481	29892016
8	Prostate Cancer	rs10875943	C	0.0677	29892016
9	Prostate Cancer	rs2292884	G	0.0583	29892016
10	Prostate Cancer	rs10936632	A	0.0953	29892016
11	Prostate Cancer	rs9364554	T	0.1044	29892016
12	Prostate Cancer	rs7968403	T	0.0583	29892016
13	Prostate Cancer	rs2680708	G	0.0488	29892016
14	Prostate Cancer	rs8102476	C	0.0862	29892016
15	Prostate Cancer	rs7679673	C	0.1222	29892016
16	Prostate Cancer	rs6062509	T	0.077	29892016
17	Prostate Cancer	rs1800057	G	0.1484	29892016
18	Prostate Cancer	rs1512268	T	0.131	29892016
19	Prostate Cancer	rs1218582	G	0.0488	29892016
20	Prostate Cancer	rs9469899	A	0.0488	29892016
21	Prostate Cancer	rs4711748	T	0.0488	29892016
22	Prostate Cancer	rs902774	A	0.1222	29892016
23	Prostate Cancer	rs56232506	A	0.0583	29892016
24	Prostate Cancer	rs1881502	T	0.0583	29892016
25	Prostate Cancer	rs2273669	G	0.0677	29892016
26	Prostate Cancer	rs7931342	G	0.157	29892016
27	Prostate Cancer	rs142436749	G	0.2231	29892016
28	Prostate Cancer	rs3096702	A	0.0583	29892016
29	Prostate Cancer	rs2066827	T	0.0583	29892016
30	Prostate Cancer	rs80130819	A	0.0953	29892016
31	Prostate Cancer	rs4713266	C	0.0488	29892016
32	Prostate Cancer	rs6763931	A	0.0392	29892016
33	Prostate Cancer	rs10993994	A	0.207	29892016
34	Prostate Cancer	rs10086908	T	0.1222	29892016
35	Prostate Cancer	rs12665339	G	0.0583	29892016
36	Prostate Cancer	rs2427345	C	0.0488	29892016
37	Prostate Cancer	rs2121875	C	0.0488	29892016
38	Prostate Cancer	rs6465657	C	0.1044	29892016
39	Prostate Cancer	rs1270884	A	0.0677	29892016
40	Prostate Cancer	rs11290954	AC	0.0583	29892016
41	Prostate Cancer	rs142444269	C	0.0677	29892016
42	Prostate Cancer	rs4245739	A	0.0953	29892016

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
43	Prostate Cancer	rs1859962	G	0.157	29892016
44	Prostate Cancer	rs10486567	G	0.131	29892016
45	Prostate Cancer	rs9287719	C	0.0677	29892016
46	Prostate Cancer	rs12543663	C	0.1133	29892016
47	Prostate Cancer	rs28607662	C	0.077	29892016
48	Prostate Cancer	rs76934034	T	0.1133	29892016
49	Prostate Cancer	rs6983267	G	0.1989	29892016
50	Prostate Cancer	rs12785905	C	0.1133	29892016
51	Prostate Cancer	rs2735839	G	0.1655	29892016
52	Prostate Cancer	rs7127900	A	0.174	29892016
53	Prostate Cancer	rs721048	A	0.0953	29892016
54	Prostate Cancer	rs8093601	C	0.0488	29892016
55	Prostate Cancer	rs1465618	T	0.0862	29892016
56	Prostate Cancer	rs138466039	T	0.2776	29892016
57	Prostate Cancer	rs28441558	C	0.1484	29892016
58	Prostate Cancer	rs533722308	CT	0.0488	29892016
59	Prostate Cancer	rs201158093	TA	0.0488	29892016
60	Prostate Cancer	rs9443189	A	0.0677	29892016
61	Prostate Cancer	rs1983891	T	0.0862	29892016
62	Prostate Cancer	rs56391074	AT	0.0488	29892016
63	Prostate Cancer	rs7611694	A	0.0862	29892016
64	Prostate Cancer	rs4430796	A	0.1989	29892016
65	Prostate Cancer	rs34925593	C	0.0488	29892016
66	Prostate Cancer	rs1283104	G	0.0488	29892016
67	Prostate Cancer	rs61890184	A	0.0677	29892016
68	Prostate Cancer	rs12621278	A	0.239	29892016
69	Prostate Cancer	rs11666569	C	0.0488	29892016
70	Prostate Cancer	rs10845938	G	0.0583	29892016
71	Prostate Cancer	rs2242652	G	0.157	29892016
72	Prostate Cancer	rs2277283	C	0.0583	29892016
73	Prostate Cancer	rs33984059	A	0.174	29892016
74	Prostate Cancer	rs7295014	G	0.0488	29892016
75	Prostate Cancer	rs4924487	C	0.0583	29892016
76	Prostate Cancer	rs17694493	G	0.077	29892016
77	Prostate Cancer	rs5759167	G	0.1398	29892016
78	Prostate Cancer	rs11629412	C	0.0583	29892016
79	Prostate Cancer	rs878987	G	0.0677	29892016
80	Prostate Cancer	rs1004030	T	0.0488	29892016
81	Prostate Cancer	rs10122495	T	0.0488	29892016
82	Prostate Cancer	rs11452686	T	0.0488	29892016

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
83	Prostate Cancer	rs11135910	T	0.077	29892016
84	Prostate Cancer	rs12480328	T	0.1044	29892016
85	Prostate Cancer	rs17321482	C	0.0677	29892016
86	Prostate Cancer	rs1182	A	0.0583	29892016
87	Prostate Cancer	rs11480453	C	0.0488	29892016
88	Prostate Cancer	rs17621345	A	0.0677	29892016
89	Prostate Cancer	rs74702681	T	0.157	29892016
90	Prostate Cancer	rs3129859	G	0.0583	29892016
91	Prostate Cancer	rs11650494	A	0.0953	29892016
92	Prostate Cancer	rs118005503	G	0.0862	29892016
93	Prostate Cancer	rs9625483	A	0.131	29892016
94	Prostate Cancer	rs62106670	T	0.0488	29892016
95	Prostate Cancer	rs112293876	C	0.0583	29892016
96	Prostate Cancer	rs76551843	A	0.27	29892016
97	Prostate Cancer	rs10187424	T	0.077	29892016
98	Prostate Cancer	rs339331	T	0.0862	29892016
99	Prostate Cancer	rs1894292	G	0.0583	29892016
100	Prostate Cancer	rs11568818	T	0.077	29892016
101	Prostate Cancer	rs9296068	T	0.0488	29892016
102	Prostate Cancer	rs5919432	T	0.0392	29892016
103	Prostate Cancer	rs1935581	C	0.0488	29892016
104	Prostate Cancer	rs4976790	T	0.077	29892016
105	Prostate Cancer	rs620861	G	0.1398	29892016
106	Prostate Cancer	rs684232	C	0.0862	29892016
107	Prostate Cancer	rs6091758	G	0.0677	29892016
108	Prostate Cancer	rs3850699	A	0.0677	29892016
109	Prostate Cancer	rs12956892	T	0.0488	29892016
110	Prostate Cancer	rs2660753	T	0.1222	29892016
111	Prostate Cancer	rs7767188	A	0.0583	29892016
112	Prostate Cancer	rs2928679	A	0.0488	29892016
113	Prostate Cancer	rs10009409	T	0.0583	29892016
114	Prostate Cancer	rs1447295	A	0.3436	29892016
115	Prostate Cancer	rs11672691	G	0.0953	29892016
116	Prostate Cancer	rs2405942	A	0.0488	29892016
117	Prostate Cancer	rs7241993	C	0.077	29892016
118	Prostate Cancer	rs183373024	G	1.0682	29892016
119	Prostate Cancer	rs10460109	T	0.0488	29892016
120	Prostate Cancer	rs11691517	T	0.0677	29892016
121	Prostate Cancer	rs17021918	C	0.0862	29892016
122	Prostate Cancer	rs5945619	C	0.1044	29892016

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
123	Prostate Cancer	rs1041449	G	0.0488	29892016
124	Prostate Cancer	rs8008270	C	0.0862	29892016
125	Prostate Cancer	rs10934853	A	0.0953	29892016
126	Prostate Cancer	rs11863709	C	0.1484	29892016
127	Prostate Cancer	rs11214775	G	0.0677	29892016
128	Prostate Cancer	rs12155172	A	0.0953	29892016
129	Prostate Cancer	rs7094871	G	0.0392	29892016
130	Prostate Cancer	rs1048169	C	0.0583	29892016
131	Prostate Cancer	rs2807031	C	0.0583	29892016
132	Prostate Cancer	rs4962416	C	0.0583	29892016
133	Prostate Cancer	rs3771570	T	0.0862	29892016
134	Prostate Cancer	rs17599629	G	0.0677	29892016
135	Prostate Cancer	rs7141529	C	0.0488	29892016
136	Prostate Cancer	rs1933488	A	0.077	29892016
137	Prostate Cancer	rs61088131	T	0.0583	29892016
138	Prostate Cancer	rs8014671	G	0.0488	29892016
1	Rheumatoid Arthritis	rs9826828	A	0.3646	24390342
2	Rheumatoid Arthritis	rs13385025	A	0.1044	24390342
3	Rheumatoid Arthritis	rs5987194	C	0.1484	24390342
4	Rheumatoid Arthritis	rs624988	T	0.0583	24390342
5	Rheumatoid Arthritis	rs74984480	T	0.1222	24390342
6	Rheumatoid Arthritis	rs947474	A	0.1044	24390342
7	Rheumatoid Arthritis	rs2317230	T	0.0677	24390342
8	Rheumatoid Arthritis	rs3806624	G	0.077	24390342
9	Rheumatoid Arthritis	rs706778	T	0.0953	24390342
10	Rheumatoid Arthritis	rs2301888	G	0.1222	24390342
11	Rheumatoid Arthritis	rs73081554	T	0.1655	24390342
12	Rheumatoid Arthritis	rs4780401	T	0.0677	24390342
13	Rheumatoid Arthritis	rs8026898	A	0.1398	24390342
14	Rheumatoid Arthritis	rs998731	T	0.077	24390342
15	Rheumatoid Arthritis	rs10790268	G	0.131	24390342
16	Rheumatoid Arthritis	rs45475795	G	0.131	24390342
17	Rheumatoid Arthritis	rs2105325	C	0.1133	24390342
18	Rheumatoid Arthritis	rs3824660	C	0.077	24390342
19	Rheumatoid Arthritis	rs331463	T	0.0953	24390342
20	Rheumatoid Arthritis	rs73194058	C	0.077	24390342
21	Rheumatoid Arthritis	rs11089637	C	0.077	24390342
22	Rheumatoid Arthritis	rs4409785	C	0.1133	24390342
23	Rheumatoid Arthritis	rs793108	T	0.077	24390342
24	Rheumatoid Arthritis	rs7752903	G	0.3221	24390342

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
25	Rheumatoid Arthritis	rs8083786	G	0.131	24390342
26	Rheumatoid Arthritis	rs11574914	A	0.1133	24390342
27	Rheumatoid Arthritis	rs9268839	G	0.8242	24390342
28	Rheumatoid Arthritis	rs10985070	C	0.077	24390342
29	Rheumatoid Arthritis	rs6715284	G	0.1398	24390342
30	Rheumatoid Arthritis	rs34695944	C	0.1133	24390342
31	Rheumatoid Arthritis	rs3218251	A	0.0677	24390342
32	Rheumatoid Arthritis	rs28411352	T	0.1044	24390342
33	Rheumatoid Arthritis	rs6732565	A	0.0677	24390342
34	Rheumatoid Arthritis	rs2671692	A	0.0677	24390342
35	Rheumatoid Arthritis	rs10028001	T	0.0583	24390342
36	Rheumatoid Arthritis	rs1571878	C	0.157	24390342
37	Rheumatoid Arthritis	rs968567	C	0.1133	24390342
38	Rheumatoid Arthritis	rs1516971	T	0.1398	24390342
39	Rheumatoid Arthritis	rs8133843	A	0.077	24390342
40	Rheumatoid Arthritis	rs11933540	C	0.1398	24390342
41	Rheumatoid Arthritis	rs17668708	C	0.1133	24390342
42	Rheumatoid Arthritis	rs10175798	A	0.077	24390342
43	Rheumatoid Arthritis	rs73013527	C	0.0862	24390342
44	Rheumatoid Arthritis	rs2451258	T	0.0953	24390342
45	Rheumatoid Arthritis	rs1950897	T	0.0953	24390342
46	Rheumatoid Arthritis	rs1633360	T	0.0677	24390342
47	Rheumatoid Arthritis	rs1877030	C	0.0862	24390342
48	Rheumatoid Arthritis	rs2664035	A	0.0677	24390342
49	Rheumatoid Arthritis	rs6479800	C	0.1044	24390342
50	Rheumatoid Arthritis	rs3087243	G	0.131	24390342
51	Rheumatoid Arthritis	rs508970	A	0.0677	24390342
52	Rheumatoid Arthritis	rs2561477	G	0.0862	24390342
53	Rheumatoid Arthritis	rs13330176	A	0.1133	24390342
54	Rheumatoid Arthritis	rs9378815	C	0.0862	24390342
55	Rheumatoid Arthritis	rs147868091	C	0.1044	24390342
56	Rheumatoid Arthritis	rs75409195	C	0.1133	24390342
57	Rheumatoid Arthritis	rs10774624	G	0.0862	24390342
58	Rheumatoid Arthritis	rs9372120	G	0.1044	24390342
59	Rheumatoid Arthritis	rs726288	T	0.131	24390342
60	Rheumatoid Arthritis	rs71508903	T	0.1484	24390342
61	Rheumatoid Arthritis	rs147622113	C	0.3853	24390342
62	Rheumatoid Arthritis	rs657075	A	0.0862	24390342
63	Rheumatoid Arthritis	rs8032939	C	0.1222	24390342
64	Rheumatoid Arthritis	rs909685	A	0.1222	24390342

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
65	Rheumatoid Arthritis	rs11605042	G	0.0583	24390342
66	Rheumatoid Arthritis	rs1858037	T	0.1044	24390342
67	Rheumatoid Arthritis	rs34536443	G	0.3784	24390342
68	Rheumatoid Arthritis	rs7731626	G	0.1906	24390342
69	Rheumatoid Arthritis	rs4272	G	0.0953	24390342
70	Rheumatoid Arthritis	rs9653442	C	0.1044	24390342
71	Rheumatoid Arthritis	rs1980422	C	0.1133	24390342
72	Rheumatoid Arthritis	rs12140275	A	0.1044	24390342
73	Rheumatoid Arthritis	rs3783782	A	0.131	24390342
74	Rheumatoid Arthritis	rs13142500	C	0.0953	24390342
75	Rheumatoid Arthritis	rs67250450	T	0.0953	24390342
76	Rheumatoid Arthritis	rs138193887	A	0.1906	24390342
77	Rheumatoid Arthritis	rs17264332	G	0.157	24390342
78	Rheumatoid Arthritis	rs2469434	C	0.0677	24390342
79	Rheumatoid Arthritis	rs678347	G	0.077	24390342
80	Rheumatoid Arthritis	rs2234067	C	0.1398	24390342
81	Rheumatoid Arthritis	rs9603616	C	0.0953	24390342
82	Rheumatoid Arthritis	rs2228145	A	0.077	24390342
83	Rheumatoid Arthritis	rs4239702	C	0.1222	24390342
84	Rheumatoid Arthritis	rs2476601	A	0.5878	24390342
85	Rheumatoid Arthritis	rs773125	A	0.0862	24390342
86	Rheumatoid Arthritis	rs11889341	T	0.1222	24390342
87	Rheumatoid Arthritis	rs2233424	T	0.2311	24390342
88	Rheumatoid Arthritis	rs72634030	A	0.1133	24390342
89	Rheumatoid Arthritis	rs227163	C	0.0392	24390342
90	Rheumatoid Arthritis	rs12413578	C	0.1823	24390342
91	Rheumatoid Arthritis	rs4452313	T	0.0862	24390342
92	Rheumatoid Arthritis	rs2582532	C	0.157	24390342
93	Rheumatoid Arthritis	rs72717009	T	0.1222	24390342
94	Rheumatoid Arthritis	rs1893592	A	0.1044	24390342
1	Schizophrenia	rs4936215	A	0.0917	29483656
2	Schizophrenia	rs12908161	A	0.0667	29483656
3	Schizophrenia	rs4820386	T	0.0583	29483656
4	Schizophrenia	rs7508148	T	0.077	29483656
5	Schizophrenia	rs28374258	A	0.0733	29483656
6	Schizophrenia	rs1120004	T	0.062	29483656
7	Schizophrenia	rs17465671	C	0.0575	29483656
8	Schizophrenia	rs324015	C	0.0677	29483656
9	Schizophrenia	rs10148671	C	0.0629	29483656
10	Schizophrenia	rs869060898	T	0.0646	29483656

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
11	Schizophrenia	rs5795787	G	0.0545	29483656
12	Schizophrenia	rs1319017	A	0.0661	29483656
13	Schizophrenia	rs6694545	A	0.077	29483656
14	Schizophrenia	rs2410572	G	0.0546	29483656
15	Schizophrenia	rs77011057	A	0.1098	29483656
16	Schizophrenia	rs56282503	C	0.0619	29483656
17	Schizophrenia	rs12293670	A	0.0807	29483656
18	Schizophrenia	rs7789569	T	0.0649	29483656
19	Schizophrenia	rs760608	G	0.0607	29483656
20	Schizophrenia	rs80020004	T	0.0862	29483656
21	Schizophrenia	rs13107325	T	0.1602	29483656
22	Schizophrenia	rs6002655	T	0.0747	29483656
23	Schizophrenia	rs4766428	T	0.0758	29483656
24	Schizophrenia	rs12823424	A	0.0639	29483656
25	Schizophrenia	rs16902086	G	0.0661	29483656
26	Schizophrenia	rs783540	G	0.059	29483656
27	Schizophrenia	rs7801375	G	0.0769	29483656
28	Schizophrenia	rs11993663	A	0.0552	29483656
29	Schizophrenia	rs7225476	A	0.052	29483656
30	Schizophrenia	rs7499750	A	0.0705	29483656
31	Schizophrenia	rs75575209	T	0.0953	29483656
32	Schizophrenia	rs36043959	G	0.0677	29483656
33	Schizophrenia	rs12148337	T	0.0823	29483656
34	Schizophrenia	rs3743078	G	0.078	29483656
35	Schizophrenia	rs6680011	C	0.0735	29483656
36	Schizophrenia	rs61937595	C	0.1249	29483656
37	Schizophrenia	rs111294930	A	0.0825	29483656
38	Schizophrenia	rs2851447	G	0.0871	29483656
39	Schizophrenia	rs1789595	A	0.0658	29483656
40	Schizophrenia	rs10803138	G	0.0677	29483656
41	Schizophrenia	rs14403	C	0.0742	29483656
42	Schizophrenia	rs10196799	A	0.0564	29483656
43	Schizophrenia	rs1080500	G	0.0723	29483656
44	Schizophrenia	rs10783624	C	0.0597	29483656
45	Schizophrenia	rs13169274	C	0.0597	29483656
46	Schizophrenia	rs12898315	A	0.0566	29483656
47	Schizophrenia	rs6065094	G	0.0856	29483656
48	Schizophrenia	rs42945	G	0.0629	29483656
49	Schizophrenia	rs7099380	G	0.0871	29483656
50	Schizophrenia	rs7951870	C	0.0932	29483656

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
51	Schizophrenia	rs4936277	A	0.0564	29483656
52	Schizophrenia	rs2053079	G	0.0704	29483656
53	Schizophrenia	rs3735025	T	0.0649	29483656
54	Schizophrenia	rs7596038	C	0.0677	29483656
55	Schizophrenia	rs17514846	C	0.0683	29483656
56	Schizophrenia	rs6800435	A	0.0823	29483656
57	Schizophrenia	rs34179565	C	0.0558	29483656
58	Schizophrenia	rs79212538	T	0.1398	29483656
59	Schizophrenia	rs893949	C	0.0534	29483656
60	Schizophrenia	rs10520163	C	0.0534	29483656
61	Schizophrenia	rs28758902	T	0.0677	29483656
62	Schizophrenia	rs4240748	G	0.0555	29483656
63	Schizophrenia	rs1473594	T	0.0639	29483656
64	Schizophrenia	rs1023497	C	0.0816	29483656
65	Schizophrenia	rs2905432	G	0.0686	29483656
66	Schizophrenia	rs1042992	T	0.0733	29483656
67	Schizophrenia	rs75968099	T	0.0661	29483656
68	Schizophrenia	rs7701440	C	0.0726	29483656
69	Schizophrenia	rs55672338	A	0.0583	29483656
70	Schizophrenia	rs77853293	C	0.0546	29483656
71	Schizophrenia	rs4470825	G	0.0556	29483656
72	Schizophrenia	rs35604463	G	0.0564	29483656
73	Schizophrenia	rs2007044	G	0.0888	29483656
74	Schizophrenia	rs12129573	A	0.0769	29483656
75	Schizophrenia	rs7432375	A	0.0801	29483656
76	Schizophrenia	rs146678232	C	0.0704	29483656
77	Schizophrenia	rs1347692	C	0.0602	29483656
78	Schizophrenia	rs12009217	G	0.0651	29483656
79	Schizophrenia	rs55669358	C	0.0949	29483656
80	Schizophrenia	rs72769124	A	0.1088	29483656
81	Schizophrenia	rs56145559	T	0.0716	29483656
82	Schizophrenia	rs281299	T	0.0552	29483656
83	Schizophrenia	rs211829	T	0.0592	29483656
84	Schizophrenia	rs56807175	TC	0.0877	29483656
85	Schizophrenia	rs10985817	C	0.0801	29483656
86	Schizophrenia	rs67439964	T	0.0723	29483656
87	Schizophrenia	rs139425113	GA	0.0661	29483656
88	Schizophrenia	rs9545047	A	0.056	29483656
89	Schizophrenia	rs1975802	G	0.0694	29483656
90	Schizophrenia	rs312477	G	0.0652	29483656

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
91	Schizophrenia	rs2565065	A	0.0639	29483656
92	Schizophrenia	rs6035706	G	0.0597	29483656
93	Schizophrenia	rs1451488	G	0.0672	29483656
94	Schizophrenia	rs2917569	T	0.061	29483656
95	Schizophrenia	rs4925114	A	0.0564	29483656
96	Schizophrenia	rs147922658	TAAC	0.1621	29483656
97	Schizophrenia	rs9881798	A	0.053	29483656
98	Schizophrenia	rs2332700	C	0.0705	29483656
99	Schizophrenia	rs11409090	AT	0.0597	29483656
100	Schizophrenia	rs1899543	T	0.0576	29483656
101	Schizophrenia	rs55770408	C	0.0583	29483656
102	Schizophrenia	rs62334820	T	0.0812	29483656
103	Schizophrenia	rs10083370	G	0.0751	29483656
104	Schizophrenia	rs11646127	G	0.0705	29483656
105	Schizophrenia	rs2970610	T	0.0677	29483656
106	Schizophrenia	rs11783093	C	0.0935	29483656
107	Schizophrenia	rs10650434	ACT	0.0856	29483656
108	Schizophrenia	rs4648845	T	0.0769	29483656
109	Schizophrenia	rs58950470	T	0.0574	29483656
110	Schizophrenia	rs6678676	C	0.0654	29483656
111	Schizophrenia	rs9611177	C	0.0583	29483656
112	Schizophrenia	rs7191183	C	0.0597	29483656
113	Schizophrenia	rs72986630	T	0.14	29483656
114	Schizophrenia	rs16867576	A	0.1007	29483656
115	Schizophrenia	rs12705761	G	0.0658	29483656
116	Schizophrenia	rs634940	T	0.0633	29483656
117	Schizophrenia	rs12498839	A	0.131	29483656
118	Schizophrenia	rs1353545	C	0.0591	29483656
119	Schizophrenia	rs1339227	C	0.063	29483656
120	Schizophrenia	rs13121251	T	0.0574	29483656
121	Schizophrenia	rs12522290	C	0.0797	29483656
122	Schizophrenia	rs34796896	G	0.0834	29483656
123	Schizophrenia	rs2910032	C	0.063	29483656
124	Schizophrenia	rs215411	A	0.0576	29483656
125	Schizophrenia	rs704373	A	0.0649	29483656
126	Schizophrenia	rs6434928	G	0.0733	29483656
127	Schizophrenia	rs12991836	C	0.0608	29483656
128	Schizophrenia	rs1191551	T	0.0733	29483656
129	Schizophrenia	rs35346733	C	0.0723	29483656
130	Schizophrenia	rs4523180	T	0.1017	29483656

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
131	Schizophrenia	rs489939	G	0.057	29483656
132	Schizophrenia	rs7632921	G	0.0566	29483656
133	Schizophrenia	rs7010876	T	0.062	29483656
134	Schizophrenia	rs2077586	A	0.0615	29483656
135	Schizophrenia	rs12704290	G	0.1142	29483656
136	Schizophrenia	rs254782	G	0.1258	29483656
137	Schizophrenia	rs12129719	A	0.0542	29483656
138	Schizophrenia	rs140505938	C	0.0834	29483656
139	Schizophrenia	rs4650963	T	0.0545	29483656
140	Schizophrenia	rs12712510	T	0.0576	29483656
141	Schizophrenia	rs2161711	A	0.0699	29483656
142	Schizophrenia	rs36104021	C	0.0903	29483656
143	Schizophrenia	rs1765142	A	0.0576	29483656
144	Schizophrenia	rs144158419	C	0.1328	29483656
145	Schizophrenia	rs4976967	G	0.0649	29483656
146	Schizophrenia	rs4144797	T	0.0816	29483656
147	Schizophrenia	rs35736453	TC	0.0606	29483656
148	Schizophrenia	rs12416331	T	0.1458	29483656
149	Schizophrenia	rs76432012	T	0.1398	29483656
150	Schizophrenia	rs12447542	A	0.0854	29483656
151	Schizophrenia	rs2660304	T	0.1087	29483656
152	Schizophrenia	rs7893279	T	0.1115	29483656
153	Schizophrenia	rs5825114	GA	0.0726	29483656
154	Schizophrenia	rs11165867	T	0.0694	29483656
155	Schizophrenia	rs9607782	A	0.0812	29483656
156	Schizophrenia	rs66791238	T	0.0695	29483656
157	Schizophrenia	rs2949006	T	0.0998	29483656
158	Schizophrenia	rs79926379	G	0.1655	29483656
159	Schizophrenia	rs217287	C	0.0695	29483656
160	Schizophrenia	rs56775891	T	0.0666	29483656
1	Thyroid Cancer	rs2289261	C	0.207	28195142
2	Thyroid Cancer	rs12129938	A	0.2776	28195142
3	Thyroid Cancer	rs2466076	G	0.2776	28195142
4	Thyroid Cancer	rs73227498	A	0.3148	28195142
5	Thyroid Cancer	rs56062135	T	0.2151	28195142
6	Thyroid Cancer	rs7902587	T	0.3436	28195142
7	Thyroid Cancer	rs116909374	T	0.5933	28195142
8	Thyroid Cancer	rs6793295	T	0.207	28195142
9	Thyroid Cancer	rs368187	G	0.3293	28195142
10	Thyroid Cancer	rs1588635	A	0.5247	28195142

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
1	Total Cholesterol	rs6589566	G	0.0856	30275531
2	Total Cholesterol	rs3184504	C	0.0291	30275531
3	Total Cholesterol	rs217378	A	0.0142	30275531
4	Total Cholesterol	rs34171271	T	0.0473	30275531
5	Total Cholesterol	rs13329672	T	0.0246	30275531
6	Total Cholesterol	rs11790326	T	0.042	30275531
7	Total Cholesterol	rs11563251	T	0.0247	30275531
8	Total Cholesterol	rs2290159	G	0.0157	30275531
9	Total Cholesterol	rs217181	C	0.0507	30275531
10	Total Cholesterol	rs1979848	A	0.0251	30275531
11	Total Cholesterol	rs293429	C	0.0175	30275531
12	Total Cholesterol	rs8017377	A	0.0187	30275531
13	Total Cholesterol	rs61361928	T	0.1057	30275531
14	Total Cholesterol	rs28929474	T	0.0688	30275531
15	Total Cholesterol	rs512535	T	0.0289	30275531
16	Total Cholesterol	rs870992	G	0.0252	30275531
17	Total Cholesterol	rs4142393	T	0.0172	30275531
18	Total Cholesterol	rs10466533	G	0.04	30275531
19	Total Cholesterol	rs61194703	A	0.1693	30275531
20	Total Cholesterol	rs2298428	C	0.0229	30275531
21	Total Cholesterol	rs2980876	C	0.0892	30275531
22	Total Cholesterol	rs7197453	C	0.0244	30275531
23	Total Cholesterol	rs1487971	C	0.0178	30275531
24	Total Cholesterol	rs28362459	C	0.0226	30275531
25	Total Cholesterol	rs737337	T	0.0297	30275531
26	Total Cholesterol	rs7013120	G	0.0146	30275531
27	Total Cholesterol	rs4773173	A	0.0158	30275531
28	Total Cholesterol	rs6547829	T	0.0249	30275531
29	Total Cholesterol	rs3786725	G	0.0248	30275531
30	Total Cholesterol	rs59325138	T	0.0259	30275531
31	Total Cholesterol	rs1367113	A	0.0692	30275531
32	Total Cholesterol	rs10184054	G	0.0359	30275531
33	Total Cholesterol	rs12130333	C	0.0455	30275531
34	Total Cholesterol	rs2305535	G	0.0155	30275531
35	Total Cholesterol	rs4704820	T	0.0191	30275531
36	Total Cholesterol	rs7640978	C	0.0314	30275531
37	Total Cholesterol	rs9298506	G	0.0228	30275531
38	Total Cholesterol	rs45508991	T	0.0833	30275531
39	Total Cholesterol	rs16844401	A	0.024	30275531
40	Total Cholesterol	rs12039115	C	0.0685	30275531

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
41	Total Cholesterol	rs7305599	A	0.0113	30275531
42	Total Cholesterol	rs12710260	C	0.0301	30275531
43	Total Cholesterol	rs2035816	A	0.025	30275531
44	Total Cholesterol	rs5104	C	0.0283	30275531
45	Total Cholesterol	rs1997243	G	0.0294	30275531
46	Total Cholesterol	rs2603188	C	0.0184	30275531
47	Total Cholesterol	rs17651629	C	0.0311	30275531
48	Total Cholesterol	rs4253772	T	0.0205	30275531
49	Total Cholesterol	rs78933755	A	0.033	30275531
50	Total Cholesterol	rs3927680	T	0.012	30275531
51	Total Cholesterol	rs10490626	G	0.041	30275531
52	Total Cholesterol	rs12713844	C	0.0616	30275531
53	Total Cholesterol	rs2521567	G	0.0167	30275531
54	Total Cholesterol	rs117623631	T	0.2665	30275531
55	Total Cholesterol	rs13107325	C	0.0361	30275531
56	Total Cholesterol	rs1801702	C	0.0941	30275531
57	Total Cholesterol	rs11125936	T	0.0214	30275531
58	Total Cholesterol	rs17203281	G	0.0181	30275531
59	Total Cholesterol	rs144787122	G	0.1223	30275531
60	Total Cholesterol	rs6717803	A	0.0594	30275531
61	Total Cholesterol	rs4680585	A	0.0191	30275531
62	Total Cholesterol	rs11603023	T	0.0135	30275531
63	Total Cholesterol	rs3809868	G	0.017	30275531
64	Total Cholesterol	rs2081687	T	0.0333	30275531
65	Total Cholesterol	rs12270837	A	0.0402	30275531
66	Total Cholesterol	rs7157785	T	0.0175	30275531
67	Total Cholesterol	rs11206508	A	0.0204	30275531
68	Total Cholesterol	rs77542162	G	0.1364	30275531
69	Total Cholesterol	rs1042034	T	0.0512	30275531
70	Total Cholesterol	rs4752805	G	0.0239	30275531
71	Total Cholesterol	rs2068888	G	0.021	30275531
72	Total Cholesterol	rs7585590	C	0.0151	30275531
73	Total Cholesterol	rs2745865	T	0.0242	30275531
74	Total Cholesterol	rs2287623	G	0.0191	30275531
75	Total Cholesterol	rs7846135	A	0.0488	30275531
76	Total Cholesterol	rs41274050	T	0.093	30275531
77	Total Cholesterol	rs12320328	A	0.0269	30275531
78	Total Cholesterol	rs7298565	A	0.0161	30275531
79	Total Cholesterol	rs7203984	A	0.0377	30275531
80	Total Cholesterol	rs202046887	C	0.5371	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
81	Total Cholesterol	rs75998532	T	0.0774	30275531
82	Total Cholesterol	rs10489488	G	0.093	30275531
83	Total Cholesterol	rs16844364	A	0.0255	30275531
84	Total Cholesterol	rs17532301	G	0.0294	30275531
85	Total Cholesterol	rs4530754	A	0.0151	30275531
86	Total Cholesterol	rs1521516	C	0.0161	30275531
87	Total Cholesterol	rs10260606	C	0.0344	30275531
88	Total Cholesterol	rs1429972	C	0.0486	30275531
89	Total Cholesterol	rs2721965	A	0.0209	30275531
90	Total Cholesterol	rs4745	A	0.0116	30275531
91	Total Cholesterol	rs6502640	A	0.021	30275531
92	Total Cholesterol	rs1473886	G	0.0243	30275531
93	Total Cholesterol	rs932372	A	0.0199	30275531
94	Total Cholesterol	rs2282894	T	0.0172	30275531
95	Total Cholesterol	rs3780181	A	0.0293	30275531
96	Total Cholesterol	rs4968839	T	0.0303	30275531
97	Total Cholesterol	rs16928809	G	0.0211	30275531
98	Total Cholesterol	rs970548	C	0.0179	30275531
99	Total Cholesterol	rs1077514	T	0.0254	30275531
100	Total Cholesterol	rs6435161	T	0.0277	30275531
101	Total Cholesterol	rs6882076	C	0.044	30275531
102	Total Cholesterol	rs7252293	C	0.0294	30275531
103	Total Cholesterol	rs630431	A	0.0306	30275531
104	Total Cholesterol	rs12939848	C	0.0146	30275531
105	Total Cholesterol	rs8106922	G	0.039	30275531
106	Total Cholesterol	rs28594460	G	0.0597	30275531
107	Total Cholesterol	rs170041	T	0.0167	30275531
108	Total Cholesterol	rs4883201	A	0.0296	30275531
109	Total Cholesterol	rs2111485	A	0.0141	30275531
110	Total Cholesterol	rs12912415	A	0.0249	30275531
111	Total Cholesterol	rs16963468	C	0.0285	30275531
112	Total Cholesterol	rs16937390	C	0.0382	30275531
113	Total Cholesterol	rs17765311	C	0.0174	30275531
114	Total Cholesterol	rs1800478	G	0.122	30275531
115	Total Cholesterol	rs35844368	T	0.0252	30275531
116	Total Cholesterol	rs2875967	A	0.0163	30275531
117	Total Cholesterol	rs6557781	C	0.0201	30275531
118	Total Cholesterol	rs7589059	C	0.0165	30275531
119	Total Cholesterol	rs35259348	C	0.0169	30275531
120	Total Cholesterol	rs1035140	A	0.0138	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
121	Total Cholesterol	rs7903137	T	0.0259	30275531
122	Total Cholesterol	rs1169288	C	0.0359	30275531
123	Total Cholesterol	rs35803101	G	0.1288	30275531
124	Total Cholesterol	rs3736946	A	0.0246	30275531
125	Total Cholesterol	rs11660468	T	0.0187	30275531
126	Total Cholesterol	rs9646133	G	0.0149	30275531
127	Total Cholesterol	rs12968116	T	0.0183	30275531
128	Total Cholesterol	rs1160985	C	0.1167	30275531
129	Total Cholesterol	rs2391199	C	0.0232	30275531
130	Total Cholesterol	rs10797566	T	0.0165	30275531
131	Total Cholesterol	rs11595267	C	0.0177	30275531
132	Total Cholesterol	rs6054	T	0.1303	30275531
133	Total Cholesterol	rs2886232	T	0.0321	30275531
134	Total Cholesterol	rs7240405	G	0.0387	30275531
135	Total Cholesterol	rs13019116	C	0.0188	30275531
136	Total Cholesterol	rs8111069	C	0.0173	30275531
137	Total Cholesterol	rs289719	T	0.0182	30275531
138	Total Cholesterol	rs2274224	G	0.0171	30275531
139	Total Cholesterol	rs73015007	A	0.0512	30275531
140	Total Cholesterol	rs887829	C	0.0197	30275531
141	Total Cholesterol	rs4926670	C	0.0569	30275531
142	Total Cholesterol	rs838880	C	0.0144	30275531
143	Total Cholesterol	rs4802307	G	0.0158	30275531
144	Total Cholesterol	rs11708067	A	0.0151	30275531
145	Total Cholesterol	rs2230808	C	0.0191	30275531
146	Total Cholesterol	rs17730649	A	0.0258	30275531
147	Total Cholesterol	rs7866925	T	0.0177	30275531
148	Total Cholesterol	rs5927	G	0.0456	30275531
149	Total Cholesterol	rs17050272	G	0.0198	30275531
150	Total Cholesterol	rs7703051	A	0.0599	30275531
151	Total Cholesterol	rs581080	C	0.0182	30275531
152	Total Cholesterol	rs814295	A	0.0534	30275531
153	Total Cholesterol	rs12572599	T	0.0183	30275531
154	Total Cholesterol	rs1800977	A	0.0173	30275531
155	Total Cholesterol	rs871841	C	0.015	30275531
156	Total Cholesterol	rs1127796	C	0.0144	30275531
157	Total Cholesterol	rs732841	A	0.0403	30275531
158	Total Cholesterol	rs12740374	G	0.1341	30275531
159	Total Cholesterol	rs314253	T	0.0176	30275531
160	Total Cholesterol	rs7616006	A	0.0238	30275531

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
161	Total Cholesterol	rs4622454	T	0.0153	30275531
162	Total Cholesterol	rs2517957	A	0.0174	30275531
163	Total Cholesterol	rs780090	T	0.0329	30275531
164	Total Cholesterol	rs10888896	C	0.0249	30275531
165	Total Cholesterol	rs405509	T	0.0622	30275531
166	Total Cholesterol	rs7952602	C	0.0356	30275531
167	Total Cholesterol	rs4683438	G	0.0199	30275531
168	Total Cholesterol	rs11855284	C	0.041	30275531
169	Total Cholesterol	rs1961957	G	0.0163	30275531
170	Total Cholesterol	rs12670798	C	0.0294	30275531
171	Total Cholesterol	rs2183573	G	0.0165	30275531
172	Total Cholesterol	rs10750215	T	0.024	30275531
173	Total Cholesterol	rs704	A	0.0118	30275531
174	Total Cholesterol	rs2479409	G	0.0247	30275531
175	Total Cholesterol	rs12602912	T	0.0171	30275531
176	Total Cholesterol	rs13315871	G	0.0292	30275531
177	Total Cholesterol	rs11774381	C	0.0309	30275531
178	Total Cholesterol	rs16831235	A	0.0161	30275531
179	Total Cholesterol	rs10208987	T	0.0417	30275531
180	Total Cholesterol	rs11700250	C	0.0334	30275531
181	Total Cholesterol	rs11789603	T	0.0706	30275531
182	Total Cholesterol	rs558971	G	0.0387	30275531
183	Total Cholesterol	rs515135	C	0.0803	30275531
184	Total Cholesterol	rs10282707	C	0.0132	30275531
185	Total Cholesterol	rs439401	C	0.027	30275531
186	Total Cholesterol	rs10773003	A	0.0369	30275531
187	Total Cholesterol	rs10846744	C	0.0201	30275531
188	Total Cholesterol	rs8060686	C	0.021	30275531
189	Total Cholesterol	rs440677	G	0.0134	30275531
190	Total Cholesterol	rs9938550	A	0.0139	30275531
191	Total Cholesterol	rs847812	G	0.0147	30275531
192	Total Cholesterol	rs115881343	T	0.1384	30275531
193	Total Cholesterol	rs4149311	T	0.0449	30275531
194	Total Cholesterol	rs17008917	G	0.0199	30275531
195	Total Cholesterol	rs4850047	T	0.02	30275531
196	Total Cholesterol	rs4722551	C	0.023	30275531
197	Total Cholesterol	rs7002551	T	0.031	30275531
198	Total Cholesterol	rs6752551	T	0.033	30275531
199	Total Cholesterol	rs77960347	G	0.1804	30275531
200	Total Cholesterol	rs505151	G	0.0798	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
201	Total Cholesterol	rs4134379	A	0.0267	30275531
202	Total Cholesterol	rs9901673	C	0.0178	30275531
203	Total Cholesterol	rs1881116	C	0.0194	30275531
204	Total Cholesterol	rs11669576	A	0.0773	30275531
205	Total Cholesterol	rs157582	T	0.0689	30275531
206	Total Cholesterol	rs2792751	T	0.0239	30275531
207	Total Cholesterol	rs1998013	C	0.1677	30275531
208	Total Cholesterol	rs17134533	G	0.0202	30275531
209	Total Cholesterol	rs72786786	A	0.0415	30275531
210	Total Cholesterol	rs6547409	C	0.0832	30275531
211	Total Cholesterol	rs769450	A	0.1239	30275531
212	Total Cholesterol	rs7859362	T	0.0162	30275531
213	Total Cholesterol	rs12104449	G	0.0255	30275531
214	Total Cholesterol	rs3135506	C	0.0778	30275531
215	Total Cholesterol	rs499974	C	0.0154	30275531
216	Total Cholesterol	rs2862954	C	0.0138	30275531
217	Total Cholesterol	rs4129767	A	0.0173	30275531
218	Total Cholesterol	rs635634	T	0.071	30275531
219	Total Cholesterol	rs4148218	G	0.0522	30275531
220	Total Cholesterol	rs9302635	T	0.0543	30275531
221	Total Cholesterol	rs2469202	A	0.0148	30275531
222	Total Cholesterol	rs9955201	A	0.0426	30275531
223	Total Cholesterol	rs11207993	C	0.0323	30275531
224	Total Cholesterol	rs3812316	C	0.0191	30275531
225	Total Cholesterol	rs7604798	C	0.0346	30275531
1	Triglycerides	rs541041	A	0.0232	30275531
2	Triglycerides	rs7940646	C	0.0152	30275531
3	Triglycerides	rs6831256	G	0.0141	30275531
4	Triglycerides	rs3110454	C	0.0166	30275531
5	Triglycerides	rs41302559	G	0.1447	30275531
6	Triglycerides	rs4410790	C	0.0121	30275531
7	Triglycerides	rs1126673	T	0.0178	30275531
8	Triglycerides	rs619054	G	0.0567	30275531
9	Triglycerides	rs1919128	G	0.0457	30275531
10	Triglycerides	rs17091905	G	0.0416	30275531
11	Triglycerides	rs8123864	C	0.0436	30275531
12	Triglycerides	rs10889353	A	0.0752	30275531
13	Triglycerides	rs61730763	A	0.19	30275531
14	Triglycerides	rs4240624	G	0.0342	30275531
15	Triglycerides	rs940904	A	0.0153	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
16	Triglycerides	rs2055491	C	0.0118	30275531
17	Triglycerides	rs1045241	C	0.0172	30275531
18	Triglycerides	rs1053328	T	0.0138	30275531
19	Triglycerides	rs147073127	C	0.2135	30275531
20	Triglycerides	rs2292642	C	0.0207	30275531
21	Triglycerides	rs925946	T	0.0164	30275531
22	Triglycerides	rs8180991	G	0.0345	30275531
23	Triglycerides	rs4976033	G	0.016	30275531
24	Triglycerides	rs7157785	T	0.0201	30275531
25	Triglycerides	rs2049019	C	0.0138	30275531
26	Triglycerides	rs2524060	C	0.0285	30275531
27	Triglycerides	rs6882076	C	0.0417	30275531
28	Triglycerides	rs5104	C	0.0354	30275531
29	Triglycerides	rs74360954	C	0.113	30275531
30	Triglycerides	rs10832027	A	0.0161	30275531
31	Triglycerides	rs4245791	C	0.017	30275531
32	Triglycerides	rs2079005	G	0.0219	30275531
33	Triglycerides	rs1862644	C	0.0168	30275531
34	Triglycerides	rs12740374	G	0.0153	30275531
35	Triglycerides	rs2943650	T	0.0424	30275531
36	Triglycerides	rs2000999	A	0.0203	30275531
37	Triglycerides	rs287621	T	0.0223	30275531
38	Triglycerides	rs12799766	A	0.042	30275531
39	Triglycerides	rs7621025	C	0.0212	30275531
40	Triglycerides	rs490262	G	0.0186	30275531
41	Triglycerides	rs2298117	T	0.0122	30275531
42	Triglycerides	rs11216168	G	0.0694	30275531
43	Triglycerides	rs2075260	A	0.0147	30275531
44	Triglycerides	rs11237471	C	0.0217	30275531
45	Triglycerides	rs2000571	A	0.0633	30275531
46	Triglycerides	rs7400722	A	0.0155	30275531
47	Triglycerides	rs1861410	C	0.0156	30275531
48	Triglycerides	rs3735080	T	0.016	30275531
49	Triglycerides	rs897453	C	0.0142	30275531
50	Triglycerides	rs35665085	A	0.0317	30275531
51	Triglycerides	rs312	C	0.0476	30275531
52	Triglycerides	rs10748579	G	0.0178	30275531
53	Triglycerides	rs718314	G	0.0192	30275531
54	Triglycerides	rs765751	C	0.0195	30275531
55	Triglycerides	rs59325138	C	0.04	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
56	Triglycerides	rs11871606	A	0.0163	30275531
57	Triglycerides	rs143292359	A	0.2415	30275531
58	Triglycerides	rs1997833	C	0.0158	30275531
59	Triglycerides	rs2792751	C	0.0177	30275531
60	Triglycerides	rs6054	T	0.1234	30275531
61	Triglycerides	rs3757838	A	0.0299	30275531
62	Triglycerides	rs7081888	G	0.0329	30275531
63	Triglycerides	rs1662750	G	0.0176	30275531
64	Triglycerides	rs7134375	C	0.0143	30275531
65	Triglycerides	rs2415168	A	0.0154	30275531
66	Triglycerides	rs2727271	T	0.0646	30275531
67	Triglycerides	rs3742004	A	0.0161	30275531
68	Triglycerides	rs17747633	G	0.0145	30275531
69	Triglycerides	rs6855363	T	0.0165	30275531
70	Triglycerides	rs1982768	C	0.022	30275531
71	Triglycerides	rs662799	G	0.1059	30275531
72	Triglycerides	rs16884656	C	0.0242	30275531
73	Triglycerides	rs2426428	C	0.0308	30275531
74	Triglycerides	rs2032915	C	0.0173	30275531
75	Triglycerides	rs3769823	G	0.0138	30275531
76	Triglycerides	rs114139997	G	0.3646	30275531
77	Triglycerides	rs78807370	G	0.0433	30275531
78	Triglycerides	rs1688030	C	0.0334	30275531
79	Triglycerides	rs4705986	T	0.034	30275531
80	Triglycerides	rs6025606	C	0.013	30275531
81	Triglycerides	rs799158	T	0.0756	30275531
82	Triglycerides	rs7901016	C	0.0396	30275531
83	Triglycerides	rs2980876	C	0.0911	30275531
84	Triglycerides	rs140744493	C	0.121	30275531
85	Triglycerides	rs1037814	C	0.0245	30275531
86	Triglycerides	rs28399653	A	0.0405	30275531
87	Triglycerides	rs10846744	C	0.0272	30275531
88	Triglycerides	rs17730649	A	0.0215	30275531
89	Triglycerides	rs16949992	G	0.0745	30275531
90	Triglycerides	rs643381	C	0.0236	30275531
91	Triglycerides	rs11858955	C	0.1145	30275531
92	Triglycerides	rs1801282	C	0.0339	30275531
93	Triglycerides	rs115289288	C	0.2216	30275531
94	Triglycerides	rs1652343	T	0.0156	30275531
95	Triglycerides	rs1211644	T	0.0237	30275531

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
96	Triglycerides	rs17178414	T	0.0188	30275531
97	Triglycerides	rs3853818	T	0.0158	30275531
98	Triglycerides	rs9271366	A	0.0279	30275531
99	Triglycerides	rs1011731	G	0.0132	30275531
100	Triglycerides	rs11057408	G	0.0222	30275531
101	Triglycerides	rs12602912	T	0.0229	30275531
102	Triglycerides	rs174587	T	0.0481	30275531
103	Triglycerides	rs4938289	T	0.0475	30275531
104	Triglycerides	rs16826069	G	0.0237	30275531
105	Triglycerides	rs7979398	T	0.0149	30275531
106	Triglycerides	rs116843064	G	0.2647	30275531
107	Triglycerides	rs11613352	C	0.0247	30275531
108	Triglycerides	rs2000615	T	0.0572	30275531
109	Triglycerides	rs9884830	T	0.019	30275531
110	Triglycerides	rs4938307	G	0.0732	30275531
111	Triglycerides	rs13396091	A	0.0138	30275531
112	Triglycerides	rs4311394	G	0.0203	30275531
113	Triglycerides	rs16844401	A	0.0324	30275531
114	Triglycerides	rs79593977	A	0.269	30275531
115	Triglycerides	rs3812316	C	0.0872	30275531
116	Triglycerides	rs676210	G	0.0765	30275531
117	Triglycerides	rs10489615	A	0.0392	30275531
118	Triglycerides	rs7203984	C	0.022	30275531
119	Triglycerides	rs157582	T	0.0421	30275531
120	Triglycerides	rs881858	A	0.0204	30275531
121	Triglycerides	rs10513687	T	0.0215	30275531
122	Triglycerides	rs268	G	0.2325	30275531
123	Triglycerides	rs117877390	C	0.1029	30275531
124	Triglycerides	rs1178979	T	0.0439	30275531
125	Triglycerides	rs17600346	C	0.0464	30275531
126	Triglycerides	rs13256965	A	0.017	30275531
127	Triglycerides	rs2070971	T	0.0234	30275531
128	Triglycerides	rs439401	C	0.0798	30275531
129	Triglycerides	rs11075253	C	0.0269	30275531
130	Triglycerides	rs8075803	C	0.019	30275531
131	Triglycerides	rs2686187	G	0.0142	30275531
132	Triglycerides	rs326214	A	0.0222	30275531
133	Triglycerides	rs180357	C	0.0493	30275531
134	Triglycerides	rs1800775	C	0.0229	30275531
135	Triglycerides	rs888246	T	0.0711	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
136	Triglycerides	rs9388768	A	0.0128	30275531
137	Triglycerides	rs12208357	T	0.0298	30275531
138	Triglycerides	rs7923609	A	0.0296	30275531
139	Triglycerides	rs9822326	A	0.0159	30275531
140	Triglycerides	rs10029254	T	0.021	30275531
141	Triglycerides	rs1077514	T	0.0206	30275531
142	Triglycerides	rs2125345	T	0.0132	30275531
143	Triglycerides	rs3208747	G	0.15	30275531
144	Triglycerides	rs326	A	0.0779	30275531
145	Triglycerides	rs3927680	T	0.016	30275531
146	Triglycerides	rs2074108	C	0.0147	30275531
147	Triglycerides	rs2273967	C	0.0175	30275531
148	Triglycerides	rs4014195	G	0.0147	30275531
149	Triglycerides	rs41274050	T	0.0939	30275531
150	Triglycerides	rs9940315	G	0.0188	30275531
151	Triglycerides	rs10152471	G	0.0158	30275531
152	Triglycerides	rs17184382	A	0.0174	30275531
153	Triglycerides	rs2075292	G	0.0627	30275531
154	Triglycerides	rs12913346	A	0.0238	30275531
155	Triglycerides	rs2395655	A	0.0165	30275531
156	Triglycerides	rs3827066	C	0.0428	30275531
157	Triglycerides	rs1563631	C	0.0171	30275531
158	Triglycerides	rs4871624	G	0.0203	30275531
159	Triglycerides	rs2081687	T	0.0191	30275531
160	Triglycerides	rs2298058	T	0.0243	30275531
161	Triglycerides	rs13389219	C	0.0352	30275531
162	Triglycerides	rs1801701	C	0.0302	30275531
163	Triglycerides	rs26008	T	0.0241	30275531
164	Triglycerides	rs200559406	A	0.2821	30275531
165	Triglycerides	rs6458349	A	0.0383	30275531
166	Triglycerides	rs264	G	0.028	30275531
167	Triglycerides	rs3748034	T	0.028	30275531
168	Triglycerides	rs2665357	C	0.0184	30275531
169	Triglycerides	rs4722551	T	0.0192	30275531
170	Triglycerides	rs17120029	T	0.1421	30275531
171	Triglycerides	rs7259004	C	0.0637	30275531
172	Triglycerides	rs1800978	C	0.027	30275531
173	Triglycerides	rs41278045	G	0.1991	30275531
174	Triglycerides	rs17134592	C	0.0206	30275531
175	Triglycerides	rs4738141	G	0.0169	30275531

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#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
176	Triglycerides	rs11776767	C	0.0236	30275531
177	Triglycerides	rs143076454	A	0.0481	30275531
178	Triglycerides	rs13326165	G	0.0169	30275531
179	Triglycerides	rs11248060	T	0.0224	30275531
180	Triglycerides	rs382534	T	0.0152	30275531
181	Triglycerides	rs2745353	T	0.0185	30275531
182	Triglycerides	rs1650527	T	0.0251	30275531
183	Triglycerides	rs11689803	T	0.0214	30275531
184	Triglycerides	rs6599389	A	0.0221	30275531
185	Triglycerides	rs10105418	A	0.0818	30275531
186	Triglycerides	rs1799816	C	0.0681	30275531
187	Triglycerides	rs6029143	C	0.0351	30275531
188	Triglycerides	rs301	T	0.0619	30275531
189	Triglycerides	rs35169799	T	0.0415	30275531
190	Triglycerides	rs2306590	G	0.0131	30275531
191	Triglycerides	rs4704820	T	0.0217	30275531
192	Triglycerides	rs9686661	T	0.0439	30275531
193	Triglycerides	rs10235225	A	0.0148	30275531
194	Triglycerides	rs2442719	C	0.0242	30275531
195	Triglycerides	rs4120895	C	0.0178	30275531
196	Triglycerides	rs1473886	G	0.0171	30275531
197	Triglycerides	rs11891554	G	0.0956	30275531
198	Triglycerides	rs17819328	G	0.0252	30275531
199	Triglycerides	rs2229738	T	0.0243	30275531
200	Triglycerides	rs9804646	C	0.0598	30275531
201	Triglycerides	rs10886863	C	0.0582	30275531
202	Triglycerides	rs1801177	A	0.0947	30275531
203	Triglycerides	rs10401969	T	0.0946	30275531
204	Triglycerides	rs1344642	G	0.0131	30275531
205	Triglycerides	rs11195943	C	0.0229	30275531
206	Triglycerides	rs2821231	T	0.0159	30275531
207	Triglycerides	rs13107325	T	0.0327	30275531
208	Triglycerides	rs11216157	A	0.0549	30275531
209	Triglycerides	rs4715316	C	0.0155	30275531
210	Triglycerides	rs6982502	C	0.0278	30275531
211	Triglycerides	rs9939609	A	0.019	30275531
212	Triglycerides	rs11752643	T	0.0663	30275531
213	Triglycerides	rs645718	C	0.0337	30275531
214	Triglycerides	rs78444298	G	0.0522	30275531
215	Triglycerides	rs3736147	A	0.0179	30275531

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
216	Triglycerides	rs13133548	A	0.0118	30275531
217	Triglycerides	rs145702982	A	0.1193	30275531
218	Triglycerides	rs4803760	T	0.0208	30275531
219	Triglycerides	rs2448428	T	0.0151	30275531
220	Triglycerides	rs1132990	G	0.0182	30275531
221	Triglycerides	rs2018519	C	0.0209	30275531
222	Triglycerides	rs2613503	A	0.0202	30275531
223	Triglycerides	rs2723062	G	0.023	30275531
224	Triglycerides	rs12443634	A	0.0184	30275531
225	Triglycerides	rs1534696	C	0.0191	30275531
226	Triglycerides	rs16849863	T	0.0561	30275531
227	Triglycerides	rs1049817	A	0.0459	30275531
228	Triglycerides	rs7248104	G	0.0191	30275531
229	Triglycerides	rs4149056	C	0.032	30275531
230	Triglycerides	rs6016381	T	0.0179	30275531
231	Triglycerides	rs12699758	A	0.0159	30275531
232	Triglycerides	rs6435161	T	0.0145	30275531
233	Triglycerides	rs12545984	T	0.0435	30275531
234	Triglycerides	rs2287922	A	0.0177	30275531
235	Triglycerides	rs814295	A	0.0772	30275531
236	Triglycerides	rs8182584	T	0.0166	30275531
237	Triglycerides	rs4683438	G	0.0172	30275531
238	Triglycerides	rs738409	C	0.0166	30275531
239	Triglycerides	rs780090	T	0.0477	30275531
240	Triglycerides	rs738322	A	0.021	30275531
241	Triglycerides	rs459193	G	0.0354	30275531
242	Triglycerides	rs11604424	C	0.0662	30275531
243	Triglycerides	rs2068888	G	0.0368	30275531
244	Triglycerides	rs1495741	G	0.0364	30275531
245	Triglycerides	rs17207867	T	0.0266	30275531
246	Triglycerides	rs5757161	A	0.016	30275531
247	Triglycerides	rs546383	G	0.0133	30275531
248	Triglycerides	rs11634257	A	0.0175	30275531
249	Triglycerides	rs12043350	T	0.0153	30275531
1	Type 2 Diabetes	rs635634	T	0.077	28566273
2	Type 2 Diabetes	rs4774420	C	0.077	28566273
3	Type 2 Diabetes	rs2237897	C	0.2231	28566273
4	Type 2 Diabetes	rs11616380	G	0.0862	28566273
5	Type 2 Diabetes	rs2292626	C	0.0677	28566273
6	Type 2 Diabetes	rs4238013	C	0.0953	28566273

VARIANT LIST FOR POLYGENIC RISK MODELS

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#	GENE	VARIARNT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
7	Type 2 Diabetes	rs233449	G	0.0862	28566273
8	Type 2 Diabetes	rs11187140	G	0.131	28566273
9	Type 2 Diabetes	rs10238625	A	0.0677	28566273
10	Type 2 Diabetes	rs952471	G	0.077	28566273
11	Type 2 Diabetes	rs11708067	A	0.1133	28566273
12	Type 2 Diabetes	rs4402960	T	0.1398	28566273
13	Type 2 Diabetes	rs7903146	T	0.2927	28566273
14	Type 2 Diabetes	rs6757251	C	0.131	28566273
15	Type 2 Diabetes	rs56348580	G	0.077	28566273
16	Type 2 Diabetes	rs11712037	C	0.131	28566273
17	Type 2 Diabetes	rs1182436	C	0.077	28566273
18	Type 2 Diabetes	rs60780116	T	0.0862	28566273
19	Type 2 Diabetes	rs1635852	T	0.0953	28566273
20	Type 2 Diabetes	rs757209	G	0.0862	28566273
21	Type 2 Diabetes	rs2023681	G	0.1222	28566273
22	Type 2 Diabetes	rs78761021	G	0.0583	28566273
23	Type 2 Diabetes	rs429358	T	0.1222	28566273
24	Type 2 Diabetes	rs1558902	A	0.1222	28566273
25	Type 2 Diabetes	rs231360	T	0.077	28566273
26	Type 2 Diabetes	rs9410573	T	0.077	28566273
27	Type 2 Diabetes	rs3802177	G	0.1133	28566273
28	Type 2 Diabetes	rs11759026	G	0.0953	28566273
29	Type 2 Diabetes	rs7428936	T	0.0677	28566273
30	Type 2 Diabetes	rs2972156	G	0.077	28566273
31	Type 2 Diabetes	rs10146997	G	0.0677	28566273
32	Type 2 Diabetes	rs1061810	A	0.0677	28566273
33	Type 2 Diabetes	rs756852	G	0.0862	28566273
34	Type 2 Diabetes	rs35352848	T	0.0862	28566273
35	Type 2 Diabetes	rs10193447	T	0.0677	28566273
36	Type 2 Diabetes	rs10965248	T	0.1398	28566273
37	Type 2 Diabetes	rs2925979	T	0.0677	28566273
38	Type 2 Diabetes	rs810517	C	0.0862	28566273
39	Type 2 Diabetes	rs340874	C	0.0677	28566273
40	Type 2 Diabetes	rs3821943	T	0.0953	28566273
41	Type 2 Diabetes	rs9687833	A	0.0953	28566273
42	Type 2 Diabetes	rs5219	T	0.0677	28566273
43	Type 2 Diabetes	rs8056814	G	0.1484	28566273
44	Type 2 Diabetes	rs7451008	C	0.174	28566273
45	Type 2 Diabetes	rs7224685	T	0.0677	28566273
46	Type 2 Diabetes	rs76550717	A	0.0953	28566273

VARIANT LIST FOR POLYGENIC RISK MODELS

v10.0

#	GENE	VARIANT	RISK ALLELE	WEIGHT (BETA)	PUBMED ID
47	Type 2 Diabetes	rs10965223	A	0.077	28566273
1	Uterine Fibroids	rs16991615	A	0.1484	30194396
2	Uterine Fibroids	rs1801516	G	0.0943	30194396
3	Uterine Fibroids	rs765333492	C	1.0152	30194396
4	Uterine Fibroids	rs2202282	T	0.0862	30194396
5	Uterine Fibroids	rs7986407	G	0.0677	30194396
6	Uterine Fibroids	rs73639400	C	0.1133	30194396
7	Uterine Fibroids	rs10917151	A	0.1133	30194396
8	Uterine Fibroids	rs1800057	G	0.2469	30194396
9	Uterine Fibroids	rs11031731	A	0.131	30194396
10	Uterine Fibroids	rs7907606	G	0.0953	30194396
11	Uterine Fibroids	rs7030354	T	0.1044	30194396
12	Uterine Fibroids	rs10929757	C	0.077	30194396
13	Uterine Fibroids	rs117245733	A	0.2624	30194396
14	Uterine Fibroids	rs12484951	G	0.1044	30194396
15	Uterine Fibroids	rs58415480	G	0.1655	30194396
16	Uterine Fibroids	rs78378222	G	0.5539	30194396
17	Uterine Fibroids	rs148143917	A	0.3011	30194396
18	Uterine Fibroids	rs11246001	C	0.1985	30194396
19	Uterine Fibroids	rs10069690	T	0.1133	30194396
20	Uterine Fibroids	rs507139	G	0.1863	30194396
21	Uterine Fibroids	rs479404	C	0.0862	30194396
1	Venous Thromboembolism	rs6087685	C	0.1398	28373160
2	Venous Thromboembolism	rs1799963	A	0.8286	28373160
3	Venous Thromboembolism	rs4602861	A	0.1044	28373160
4	Venous Thromboembolism	rs3136516	G	0.0953	28373160
5	Venous Thromboembolism	rs977371848	T	0.5188	28373160
6	Venous Thromboembolism	rs2289252	T	0.3001	28373160
7	Venous Thromboembolism	rs78707713	T	0.2469	28373160
8	Venous Thromboembolism	rs6025	T	1.1787	28373160
9	Venous Thromboembolism	rs2066865	A	0.2151	28373160
10	Venous Thromboembolism	rs2288904	G	0.174	28373160

VARIANT LIST FOR NUTRITION AND WELLNESS TRAITS

v10.0

TRAIT NAME	GENE	VARIANT	PUBMED ID
Achilles Tendinopathy	GDF5	rs143383	21642387
Alcohol Flush Reaction	ALDH2	rs671	6582480
Bitter Taste Perception	TAS2R38	rs713598	20675712
Caffeine Metabolism	CYP1A2	rs762551	17370067
COVID-19 Severity	ABO	rs657152	34737427;32558485;33307546
COVID-19 Severity	LZTFL1	rs17713054	34737427;32558485;33307546
COVID-19 Severity	SLC6A20	rs11385942	34737427;32558485;33307546
Endurance Training	ACE	rs4343	24240283
Endurance Training	ACTN3	rs1815739	10192379
Enhanced HDL Cholesterol Response to Exercise	PPARD	rs2016520	30157214
Histamine Intolerance	HNMT	rs1050891	30744146;21040557
Human Longevity	FOXO3	rs12206094	29234056
Human Longevity	FOXO3	rs4946935	29234056
Insulin Sensitivity	LIPC	rs1800588	15983229
Lactose intolerance	MCM6	rs4988235	11788828;19937006;16301215;22826639
Muscle Performance	ACTN3	rs1815739	10192379
Obesity	MC4R	rs17782313	31954858;35538513;35540528
OMEGA-6 and OMEGA-3 Levels	FADS1	rs174547	33331250;31991592;34201625;27527582;29068398
Protection against cardiovascular disease	B4GALT1	rs551564683	34855475
Protection against obesity	GPR75	rs148952285	34210852
Protection against obesity	GPR75	c.329_335delCCAGTAG	34210852
Response to GLP-1 receptor agonist treatment	GLP1R	rs6923761	40692597;21616920
Response to GLP-1 receptor agonist treatment	GLP1R	rs10305420	41951734
Risk Seeking Behavior	DRD4	rs1800955	10673770
SERPINE1 4G/5G Polymorphism-Associated Clotting Risk	SERPINE1	rs1799762	31920171;25450536;26245493
Smoking Behavior	CHRNA3	rs1051730	20418890
Smoking Cessation	ANKK1	rs1800497	26624925
Susceptibility to Non-Alcoholic Fatty Liver Disease	PNPLA3	rs738409	18820647;19651814;31419571
Sweet taste	TAS1R2	rs12033832	21743773
Sweet taste	TAS1R3	rs307355	21743773
Vitamin A	BCMO1	rs7501331	19103647
Vitamin A	BCMO1	rs12934922	19103647
Vitamin B12	FUT2	rs601338	29040465;18776911;19744961
Vitamin B6	NBPF3	rs4654748	19303062
Vitamin C	SLC23A1	rs33972313	20519558;30442817
Vitamin D	GC	rs1155563	19255064
Vitamin D	GC	rs2282679	19255064