



Centoscreen® Carrier Screening

DETECTS 330 AUTOSOMAL AND X-LINKED RECESSIVE DISORDERS

GENE	DISEASE	INHERITANCE	SEVERITY		
			MILD	MODERATE	SEVERE
AAAS	Achalasia-addisonianism-alacrima syndrome	AR			
ABCB11	Progressive familial intrahepatic cholestasis, type II	AR			
ABCC6	Pseudoxanthoma elasticum	AR			
ABCC8	Familial hyperinsulinemic hypoglycemia type 1	AR			
ABCD1	Adrenoleukodystrophy (X-linked)	XL			
ACADM	Medium chain Acyl-CoA dehydrogenase deficiency	AR			
ACADS	Short chain Acyl-CoA dehydrogenase deficiency	AR			
ACADSB	2-Methylbutyryl-CoA dehydrogenase deficiency	AR			
ACADVL	Very long chain Acyl-CoA dehydrogenase deficiency	AR			
ACAT1	Beta-ketothiolase deficiency (Alpha-methylacetoacetic aciduria)	AR			
ACOX1	Peroxisomal acyl-CoA oxidase deficiency	AR			
ADA	Severe combined immunodeficiency due to ADA deficiency	AR			
ADAMTS2	Ehlers Danlos syndrome, type VIIC	AR			
ADAR	Aicardi-Goutieres syndrome 6	AR			
ADGRG1	Bilateral frontoparietal polymicrogyria	AR			
AGA	Aspartylglycosaminuria	AR			
AGL	Glycogen storage disease, type III (a&b)	AR			
AGPS	Rhizomelic chondrodysplasia punctata, type III	AR			
AGXT	Primary hyperoxaluria, type I	AR			
AIRE	Polyglandular autoimmune syndrome, type I (Autoimmune polyendocrinopathy syndrome type I, with or without reversible metaphyseal dysplasia)	AR			
ALDH3A2	Sjögren-Larsson syndrome	AR			
ALDH7A1	Pyridoxine-dependent epilepsy	AR			
ALDOB	Hereditary fructose intolerance	AR			
ALG6	Congenital disorder of glycosylation, type Ic	AR			
ALPL	Hypophosphatasia, autosomal recessive	AR			
AMT	Glycine encephalopathy, AMT-related	AR			
AP1S1	MEDNIK syndrome	AR			
AP3B1	Hermansky-Pudlak syndrome, type 2	AR			
AR	Androgen insensitivity syndrome	XL			
ARSA	Metachromatic leukodystrophy	AR			
ARSB	Mucopolysaccharidosis, type VI	AR			
ASL	Argininosuccinic aciduria	AR			
ASNS	Asparagine Synthetase deficiency	AR			
ASPA	Canavan disease	AR			
ASS1	Citrullinemia, type I	AR			
ATM	Ataxia-telangiectasia	AR			
ATP13A2	Kufor-Rakeb syndrome (KRS); Autosomal recessive spastic paraplegia-78 (SPG78)	AR			
ATP6V1B1	Renal tubular acidosis and deafness, ATP6V1B1-related	AR			
ATP7B	Wilson disease	AR			
BBS1	Bardet-Biedl syndrome 1	AR			
BBS2	Bardet-Biedl syndrome 2	AR			
BBS4	Bardet-Biedl syndrome 4	AR			

MILD = Normal lifespan but affects quality of life
 MODERATE = Moderately affects lifespan (early adulthood) and/or quality of life
 SEVERE = Significantly affects lifespan (infancy/childhood) and quality of life

AR = Autosomal recessive
 XL = X-linked recessive

Some diseases can present with varying degrees of severity in different individuals.



GENE	DISEASE	INHERITANCE	SEVERITY		
			MILD	MODERATE	SEVERE
BBS7	Bardet-Biedl syndrome 7	AR			
BBS9	Bardet-Biedl syndrome 9	AR			
BBS10	Bardet-Biedl syndrome 10	AR			
BBS12	Bardet-Biedl syndrome 12	AR			
BCKDHA	Maple syrup urine disease, type Ia	AR			
BCKDHB	Maple syrup urine disease, type Ib	AR			
BCS1L	GRACILE syndrome; Bjornstad syndrome; Leigh syndrome; Mitochondrial complex III deficiency, nuclear type 1	AR			
BLM	Bloom syndrome	AR			
BSND	Bartter syndrome, type IV	AR			
BTD	Biotinidase deficiency	AR			
CANT1	Desbuquois dysplasia, type I; Epiphyseal dysplasia, multiple, 7	AR			
CAPN3	Limb-girdle muscular dystrophy, type 2A	AR			
CBS	Homocystinuria, CBS-related	AR			
CDH23	Usher syndrome, type ID; Deafness, autosomal recessive 12	AR			
CEP290	Leber congenital amaurosis 10; Joubert syndrome 5; Meckel syndrome 4; Senior-Loken syndrome 6	AR			
CERKL	Retinitis pigmentosa 26	AR			
CFTR	Cystic fibrosis; Congenital bilateral absence of vas deferens	AR			
CHAT	Congenital myasthenic syndrome 6	AR			
CHM	Choroideremia	AR			
CHRNE	Congenital myasthenic syndrome 4A; Congenital myasthenic syndrome 4B; Congenital myasthenic syndrome 4C	AR			
CLN3	Neuronal ceroid lipofuscinosis, CLN3-related	AR			
CLN5	Neuronal ceroid lipofuscinosis, CLN5-related	AR			
CLN6	Neuronal ceroid lipofuscinosis, CLN6-related	AR			
CLN8	Neuronal ceroid lipofuscinosis, CLN8-related; Northern epilepsy	AR			
CLRN1	Usher syndrome, type IIIA	AR			
CNGA3	Achromatopsia 2, CNGA3-related	AR			
CNGB3	Achromatopsia 3, CNGB3-related	AR			
COL4A3	Alport syndrome	AR			
COL4A4	Alport syndrome 2	AR			
COL4A5	Alport syndrome, X-linked	XL			
COL7A1	Dystrophic epidermolysis bullosa, autosomal recessive	AR			
COLQ	Congenital myasthenic syndrome 5	AR			
CPT1A	Carnitine palmitoyltransferase IA deficiency	AR			
CPT2	Carnitine palmitoyltransferase II deficiency	AR			
CRB1	Leber congenital amaurosis 8; Retinitis pigmentosa-12, autosomal recessive	AR			
CTNS	Cystinosis, atypical nephropathic; Cystinosis, late-onset juvenile or adolescent nephropathic; Cystinosis, nephropathic; Cystinosis, ocular nonnephropathic	AR			
CTSD	Neuronal ceroid lipofuscinosis 10	AR			
CTSF	Neuronal ceroid lipofuscinosis 13	AR			
CTSK	Pycnodysostosis	AR			
CYP11B1	Adrenal hyperplasia, congenital, due to 11-beta-hydroxylase deficiency	AR			



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<i>CYP11B2</i>	Cortisone methyl oxidase type II deficiency; Cortisone methyl oxidase type I deficiency	AR			
<i>CYP17A1</i>	Congenital adrenal hyperplasia due to 17-alpha-hydroxylase deficiency	AR			
<i>CYP19A1</i>	Aromatase deficiency	AR			
<i>CYP11B1</i>	Primary congenital glaucoma 3A	AR			
<i>CYP21A2</i>	Congenital adrenal hyperplasia due to 21-hydroxylase deficiency	AR			
<i>CYP27A1</i>	Cerebrotendinous xanthomatosis	AR			
<i>CYP27B1</i>	Vitamin D-dependent rickets, type I	AR			
<i>DBT</i>	Maple syrup urine disease, type II	AR			
<i>DCLRE1C</i>	Omenn syndrome; Severe combined immunodeficiency, Athabascan type	AR			
<i>DHCR7</i>	Smith-Lemli-Opitz syndrome	AR			
<i>DHDDS</i>	Retinitis pigmentosa 59	AR			
<i>DKC1</i>	Dyskeratosis congenita, X-linked	XL			
<i>DLD</i>	Dihydroipoamide dehydrogenase deficiency	AR			
<i>DMD</i>	Duchenne/Becker muscular dystrophy	XL			
<i>DNAH5</i>	Primary ciliary dyskinesia type 3, DNAH5-related	AR			
<i>DNAI1</i>	Primary ciliary dyskinesia type 1, DNAI1-related	AR			
<i>DNAI2</i>	Primary ciliary dyskinesia type 9, DNAI2-related	AR			
<i>DNAJC5</i>	Neuronal ceroid lipofuscinosis type 4	AR			
<i>DOK7</i>	Fetal akinesia deformation sequence, DOK7-related; Congenital myasthenic syndrome, 10	AR			
<i>DPYD</i>	Dihydropyrimidine dehydrogenase deficiency	AR			
<i>DYSF</i>	Limb-girdle muscular dystrophy, type 2B; Miyoshi myopathy and distal myopathy with anterior tibial onset	AR			
<i>EDA</i>	Hypohidrotic ectodermal dysplasia, X-linked	XL			
<i>EDAR</i>	Hypohidrotic ectodermal dysplasia 10B	AR			
<i>EMD</i>	Emery-Dreifuss muscular dystrophy	XL			
<i>ERCC2</i>	Xeroderma pigmentosum	AR			
<i>ETFA</i>	Glutaric acidemia, Type IIA	AR			
<i>ETFB</i>	Glutaric acidemia, Type IIB	AR			
<i>ETFDH</i>	Glutaric acidemia, Type IIC	AR			
<i>ETHE1</i>	Ethylmalonic encephalopathy	AR			
<i>EXOSC3</i>	Pontocerebellar hypoplasia type 1B	AR			
<i>EYS</i>	Retinitis pigmentosa 25, EYS-related	AR			
<i>F8</i>	Hemophilia A	XL			
<i>F9</i>	Hemophilia B	XL			
<i>F11</i>	Factor XI Deficiency	AR			
<i>FAH</i>	Tyrosinemia, type I	AR			
<i>FAM161A</i>	Retinitis pigmentosa 28	AR			
<i>FANCA</i>	Fanconi anemia, complementation group A	AR			
<i>FANCC</i>	Fanconi anemia, complementation group C	AR			
<i>FANCG</i>	Fanconi Anemia, complementation group G	AR			
<i>FH</i>	Fumarase deficiency	AR			
<i>FKRP</i>	Limb-girdle muscular dystrophy, type 2I; Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 5; Muscular dystrophy-dystroglycanopathy (congenital with or without mental retardation), type B, 5; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 5	AR			
<i>FKTN</i>	Muscular dystrophy-dystroglycanopathy type 4A (Walker-Warburg syndrome); Muscular dystrophy-dystroglycanopathy type 4B; Muscular dystrophy-dystroglycanopathy type 4C; Cardiomyopathy, dilated, 1X	AR			



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<i>FMR1</i>	Fragile X syndrome; FMR1-related primary ovarian insufficiency; Fragile X-associated tremor/ataxia syndrome	XL			
<i>G6PC</i>	Glycogen storage disease, type IA	AR			
<i>G6PD</i>	Glucose-6-phosphate dehydrogenase deficiency; Hemolytic anemia due to G6PD deficiency	XL			
<i>GAA</i>	Glycogen storage disease, type II	AR			
<i>GALC</i>	Krabbe disease	AR			
<i>GALE</i>	Galactose epimerase deficiency	AR			
<i>GALK1</i>	Galactokinase deficiency	AR			
<i>GALNT3</i>	Hyperphosphatemic tumoral calcinosis, familial	AR			
<i>GALT</i>	Galactosemia	AR			
<i>GAMT</i>	Guanidinoacetate methyltransferase deficiency	AR			
<i>GBA</i>	Gaucher disease	AR			
<i>GBE1</i>	Glycogen storage disease, type IV	AR			
<i>GCDH</i>	Glutaric acidemia, type I	AR			
<i>GCSH</i>	Nonketotic hyperglycinemia	AR			
<i>GDF5</i>	Du Pan syndrome; Chondrodysplasia, Grebe type; Brachydactyly type A1,C; Acromesomelic dysplasia, Hunter-Thompson type	AR			
<i>GFPT1</i>	Congenital myasthenic syndrome 12	AR			
<i>GJB1</i>	Charcot-Marie-Tooth disease, GJB1-related	XL			
<i>GJB2</i>	Nonsyndromic hearing loss, GJB2-related	AR			
<i>GJB6</i>	Nonsyndromic Hearing Loss, GJB6-related	AR			
<i>GLA</i>	Fabry disease	XL			
<i>GLB1</i>	GM1-gangliosidosis; Mucopolysaccharidosis type IVB	AR			
<i>GLDC</i>	Glycine encephalopathy, GLDC-related	AR			
<i>GNE</i>	Inclusion body myopathy, type II	AR			
<i>GNPAT</i>	Rhizomelic chondrodysplasia punctata, type II	AR			
<i>GNPTAB</i>	Mucopolipidosis, type II alpha/beta; Mucopolipidosis, type III alpha/beta	AR			
<i>GNPTG</i>	Mucopolipidosis III gamma	AR			
<i>GNS</i>	Mucopolysaccharidosis type IIID	AR			
<i>GORAB</i>	Geroderma osteodysplastica	AR			
<i>GRHPR</i>	Primary hyperoxaluria, type II	AR			
<i>GRN</i>	Neuronal ceroid lipofuscinosis type 11	AR			
<i>GUCY2D</i>	Leber congenital amaurosis 1; Choroidal dystrophy, central areolar 1	AR			
<i>HADH</i>	Familial hyperinsulinemic hypoglycemia, familial 4; 3-hydroxyacyl-CoA dehydrogenase deficiency	AR			
<i>HADHA</i>	Long-chain 3-Hydroxyacyl-CoA dehydrogenase deficiency; Trifunctional protein deficiency	AR			
<i>HADHB</i>	Mitochondrial trifunctional protein deficiency	AR			
<i>HAX1</i>	Severe congenital neutropenia 3, autosomal recessive	AR			
<i>HBA1</i>	Alpha-thalassemia	AR			
<i>HBA2</i>	Alpha-thalassemia	AR			
<i>HBB</i>	Beta-thalassemia, and other hemoglobinopathies	AR			
<i>HEPACAM</i>	Megalencephalic Leukoencephalopathy with Subcortical Cysts, types 2A & 2B	AR			
<i>HEXA</i>	Tay-Sachs disease; GM2-gangliosidosis	AR			
<i>HEXB</i>	Sandhoff disease	AR			
<i>HFE2</i>	Hereditary hemochromatosis type 2A, HFE2-related	AR			
<i>HGD</i>	Alkaptonuria	AR			



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HGSNAT	Mucopolysaccharidosis, type IIIC	AR			
HLCS	Holocarboxylase synthetase deficiency	AR			
HMGCL	3-hydroxy-3-methylglutaryl CoA lyase deficiency	AR			
HOGA1	Primary hyperoxaluria, type III	AR			
HPRT1	Lesch-Nyhan syndrome; HPRT-related gout	XL			
HPS1	Hermansky-Pudlak syndrome, type 1	AR			
HPS3	Hermansky-Pudlak syndrome, type 3	AR			
HPS4	Hermansky-Pudlak syndrome, type 4	AR			
HPS5	Hermansky-Pudlak syndrome, type 5	AR			
HPS6	Hermansky-Pudlak syndrome, type 6	AR			
HSD17B3	17-beta-hydroxysteroid dehydrogenase deficiency, type III	AR			
HSD17B4	D-bifunctional protein deficiency; Perrault syndrome 1	AR			
HSD3B2	Congenital adrenal hyperplasia due to 3-Beta-hydroxysteroid dehydrogenase deficiency, type II	AR			
IDS	Mucopolysaccharidosis, type II (Hunter syndrome)	XL			
IDUA	Mucopolysaccharidosis, type I (Hurler syndrome)	AR			
IKBKAP	Familial dysautonomia (HSAN3)	AR			
IL2RG	Severe combined immunodeficiency, X-linked	XL			
ISPD	Walker-Warburg (Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 7; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 7	AR			
IVD	Isovaleric acidemia	AR			
KCNJ11	Familial hyperinsulinemic hypoglycemia type 2, KCNJ11-related	AR			
KCTD7	Neuronal ceroid lipofuscinosis 14 (progressive myoclonic epilepsy type 3)	AR			
L1CAM	L1 syndrome; MASA syndrome, CRASH syndrome	XL			
LAMA3	Herlitz junctional epidermolysis bullosa, LAMA3-related; Laryngoonychocutaneous syndrome; Epidermolysis bullosa, generalized atrophic benign	AR			
LAMB3	Herlitz junctional epidermolysis bullosa; non-Herlitz junctional epidermolysis bullosa	AR			
LAMC2	Herlitz junctional epidermolysis bullosa; non-Herlitz junctional epidermolysis bullosa	AR			
LARGE1	Muscular dystrophy-dystroglycanopathy, congenital with brain and eye anomalies, type 6A (Walker-Warburg); Muscular dystrophy-dystroglycanopathy (congenital with mental retardation), type 6B	AR			
LCA5	Leber congenital amaurosis 5, LCA5-related	AR			
LHCGR	Leydig cell hypoplasia; Luteinizing hormone resistance	AR			
LIFR	Stuve-Wiedemann syndrome	AR			
LIPA	Cholesteryl ester storage disease	AR			
LIPH	Woolly hair/hypotrichosis, autosomal recessive	AR			
LOXHD1	Autosomal recessive deafness 77	AR			
LPL	Lipoprotein lipase deficiency	AR			
LRPPRC	Leigh syndrome with COX deficiency (French Canadian type)	AR			
LYST	Chediak-Higashi syndrome	AR			
MAN2B1	Alpha-mannosidosis type I & II	AR			
MCCC1	3-Methylcrotonyl-CoA carboxylase 1 deficiency	AR			
MCCC2	3-Methylcrotonyl-CoA carboxylase 2 deficiency	AR			
MCOLN1	Mucopolipidosis type IV	AR			
MED17	Microcephaly, postnatal progressive, with seizures and brain atrophy	AR			
MEFV	Familial Mediterranean fever	AR			
MFSD8	Neuronal ceroid-lipofuscinosis 7, MFSD8-related; Macular dystrophy with central cone involvement	AR			
MKKS	Bardet-Biedl syndrome 6; McKusick-Kaufman syndrome	AR			



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<i>MKS1</i>	Bardet-Biedl syndrome 13; Joubert syndrome 28; Meckel syndrome 1	AR			
<i>MLC1</i>	Megalencephalic Leukoencephalopathy with subcortical cysts, type I	AR			
<i>MMAA</i>	Methylmalonic aciduria, cblA type	AR			
<i>MMAB</i>	Methylmalonic aciduria, cblB type	AR			
<i>MMADHC</i>	Methylmalonic aciduria, cblD type	AR			
<i>MPI</i>	Congenital disorder of glycosylation, type IB	AR			
<i>MPL</i>	Congenital amegakaryocytic thrombocytopenia	AR			
<i>MPV17</i>	Hepaticocerebral mitochondrial DNA depletion syndrome 6, MPV17-related	AR			
<i>MRE11A</i>	Ataxia-telangiectasia-like disorder 1	AR			
<i>MTHFR</i>	Homocystinuria due to MTHFR deficiency, severe; Neural tube defects folate-sensitive	AR			
<i>MTM1</i>	Myotubular myopathy, MTM1-related	XL			
<i>MTTP</i>	Abetalipoproteinemia	AR			
<i>MUT</i>	Methylmalonic aciduria mut(0) type, MUT-related	AR			
<i>MYO7A</i>	Usher syndrome, type IB; Deafness, autosomal recessive 2	AR			
<i>NAGLU</i>	Mucopolysaccharidosis type IIIB (Sanfilippo B)	AR			
<i>NAGS</i>	N-acetylglutamate synthase deficiency	AR			
<i>NBN</i>	Nijmegen breakage syndrome	AR			
<i>NDUFA6</i>	Mitochondrial complex 1 deficiency, NDUFA6-related	AR			
<i>NEB</i>	Nemaline myopathy 2	AR			
<i>NPC1</i>	Niemann-pick disease, type C1	AR			
<i>NPC2</i>	Niemann-pick disease, type C2	AR			
<i>NPHS1</i>	Nephrotic syndrome, type I	AR			
<i>NPHS2</i>	Nephrotic syndrome, type II	AR			
<i>NTRK1</i>	Congenital insensitivity to pain with anhidrosis	AR			
<i>OPA3</i>	3-methylglutaconic aciduria, type III	AR			
<i>OTC</i>	Ornithine transcarbamylase deficiency	XL			
<i>PAH</i>	Phenylalanine hydroxylase deficiency	AR			
<i>PCCA</i>	Propionic acidemia, PCCA-related	AR			
<i>PCCB</i>	Propionic acidemia, PCCB-related	AR			
<i>PCDH15</i>	Usher syndrome, type IF; Deafness, autosomal recessive 23	AR			
<i>PDHA1</i>	Pyruvate dehydrogenase E1-alpha deficiency, X-Linked	XL			
<i>PDHB</i>	Pyruvate dehydrogenase E1-beta deficiency, autosomal recessive	AR			
<i>PEPD</i>	Prolidase deficiency	AR			
<i>PET100</i>	Mitochondrial complex IV deficiency	AR			
<i>PEX1</i>	Zellweger syndrome spectrum, PEX1-related	AR			
<i>PEX2</i>	Zellweger syndrome spectrum, PEX2-related	AR			
<i>PEX6</i>	Zellweger syndrome spectrum, PEX6-related	AR			
<i>PEX7</i>	Rhizomelic chondrodysplasia punctata, type I; Peroxisome biogenesis disorder 9B	AR			
<i>PEX10</i>	Zellweger syndrome spectrum, PEX10- related	AR			
<i>PEX12</i>	Zellweger syndrome spectrum, PEX12- related	AR			
<i>PEX26</i>	Zellweger syndrome spectrum, PEX26- related	AR			
<i>PFKM</i>	Glycogen storage disease, type VII	AR			
<i>PHGDH</i>	3-phosphoglycerate dehydrogenase deficiency; Neu-Laxova syndrome 1	AR			
<i>PKHD1</i>	Polycystic kidney disease, autosomal recessive	AR			
<i>PMM2</i>	Congenital disorder of glycosylation, type IA	AR			



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<i>POLG</i>	Mitochondrial DNA depletion syndrome type 4A (Alpers type); Mitochondrial DNA depletion syndrome type 4B (MNGIE type); Mitochondrial Recessive Ataxia Syndrome (includes SANDO and SCAE); Progressive external ophthalmoplegia with mitochondrial deletions autosomal recessive type 1	AR			
<i>POMGNT1</i>	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type 3A; Muscular dystrophy-dystroglycanopathy (congenital with mental retardation), type 3B; Muscular dystrophy-dystroglycanopathy (limb-girdle), type 3C	AR			
<i>POMT1</i>	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 1; Muscular dystrophy-dystroglycanopathy (congenital with mental retardation), type B, 1; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 1	AR			
<i>POMT2</i>	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies), type A, 2; Muscular dystrophy-dystroglycanopathy (congenital with mental retardation), type B, 2; Muscular dystrophy-dystroglycanopathy (limb-girdle), type C, 2	AR			
<i>PPT1</i>	Neuronal ceroid lipofuscinosis 1, PPT1-related	AR			
<i>PRPS1</i>	Arts Syndrome; Charcot-Marie-Tooth disease, PRPS1-related; Gout, PRPS1-related	XL			
<i>PSAP</i>	Metachromatic leukodystrophy due to SAP-b deficiency; Atypical Gaucher disease; Atypical Krabbe disease	AR			
<i>PUS1</i>	Mitochondrial myopathy and sideroblastic anemia 1	AR			
<i>PYGL</i>	Glycogen storage disease VI	AR			
<i>PYGM</i>	Glycogen storage disease, type V	AR			
<i>RAB23</i>	Carpenter syndrome	AR			
<i>RAG1</i>	Severe combined immunodeficiency, RAG1-related; Omenn syndrome; Combined cellular and humoral immune defects with granulomas	AR			
<i>RAG2</i>	Omenn syndrome; Severe combined immunodeficiency, Athabascan type	AR			
<i>RAPSN</i>	Congenital myasthenic syndrome 11, RAPSN-related; Fetal akinesia deformation sequence	AR			
<i>RARS2</i>	Pontocerebellar hypoplasia type 6	AR			
<i>RDH12</i>	Leber congenital amaurosis 13	AR			
<i>RNASEH2A</i>	Aicardi-Goutieres syndrome 4	AR			
<i>RNASEH2B</i>	Aicardi-Goutieres syndrome 2	AR			
<i>RNASEH2C</i>	Aicardi-Goutieres syndrome 3, RNASEH2C-related	AR			
<i>RPE65</i>	Leber congenital amaurosis 2; Retinitis pigmentosa 20	AR			
<i>RS1</i>	Juvenile retinoschisis, X-linked	XL			
<i>RTKL1</i>	Dyskeratosis congenita, autosomal recessive 5	AR			
<i>SACS</i>	Spastic ataxia of Charlevoix-Saguenay, autosomal recessive	AR			
<i>SAMD9</i>	Familial tumoral calcinosis, normophosphatemic	AR			
<i>SAMHD1</i>	Aicardi-Goutieres syndrome 5	AR			
<i>SBDS</i>	Shwachman-Diamond syndrome	AR			
<i>SEPSECS</i>	Pontocerebellar hypoplasia 2D	AR			
<i>SERPINA1</i>	Alpha-1 antitrypsin deficiency	AR			
<i>SGCA</i>	Limb-girdle muscular dystrophy, type 2D	AR			
<i>SGCB</i>	Limb-girdle muscular dystrophy, type 2E	AR			
<i>SGCG</i>	Limb-girdle muscular dystrophy, type 2C	AR			
<i>SGSH</i>	Mucopolysaccharidosis type IIIA (Sanfilippo A)	AR			
<i>SLC12A3</i>	Gitelman syndrome	AR			
<i>SLC12A6</i>	Agenesis of the corpus callosum with peripheral neuropathy (Andermann syndrome)	AR			
<i>SLC17A5</i>	Salla disease; Infantile sialic acid storage disorder	AR			
<i>SLC22A5</i>	Primary carnitine deficiency	AR			
<i>SLC25A15</i>	Hyperornithinemia-hyperammonemia-homocitrullinemia syndrome (Ornithine translocase deficiency)	AR			



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<i>SLC26A2</i>	Sulfate transporter-related osteochondrodysplasia; Achondrogenesis Ib; Atelosteogenesis II; Diastrophic dysplasia; Epiphyseal dysplasia, multiple, 4	AR			
<i>SLC26A4</i>	Pendred syndrome; Deafness, autosomal recessive 4, with enlarged vestibular aqueduct	AR			
<i>SLC35A3</i>	Arthrogyrosis, mental retardation and seizures	AR			
<i>SLC39A4</i>	Acrodermatitis enteropathica	AR			
<i>SLC4A11</i>	Corneal dystrophy and perceptive deafness syndrome; Autosomal recessive corneal dystrophy	AR			
<i>SLC6A8</i>	Creatine transporter defect, SLC6A8-related (Cerebral creatine deficiency syndrome 1)	XL			
<i>SMN1</i>	Spinal muscular atrophy	AR			
<i>SMPD1</i>	Niemann-Pick disease type A; Niemann-Pick disease type B	AR			
<i>ST3GAL5</i>	Amish infantile epilepsy syndrome	AR			
<i>STAR</i>	Congenital lipoid adrenal hyperplasia	AR			
<i>STS</i>	X-linked ichthyosis	XL			
<i>SUMF1</i>	Multiple sulphatase deficiency	AR			
<i>TAT</i>	Tyrosinemia type II (Richner-Hanhart syndrome)	AR			
<i>TCIRG1</i>	Osteopetrosis type 1, infantile malignant	AR			
<i>TECPR2</i>	Hereditary spastic paraparesis, type 49	AR			
<i>TFR2</i>	Hereditary hemochromatosis type 3, TFR2-related	AR			
<i>TGM1</i>	Lamellar ichthyosis type I	AR			
<i>TH</i>	Segawa syndrome (tyrosine hydroxylase deficiency)	AR			
<i>TMEM216</i>	Joubert syndrome 2; Meckel syndrome 2	AR			
<i>TPP1</i>	Neuronal ceroid lipofuscinosis 2, TPP1-related; Spinocerebellar ataxia type 7	AR			
<i>TREX1</i>	Aicardi-Goutieres syndrome type 1, TREX1-related	AR			
<i>TRIM37</i>	Mulibrey nanism	AR			
<i>TSEN2</i>	Pontocerebellar hypoplasia type 2B	AR			
<i>TSEN34</i>	Pontocerebellar hypoplasia type 2C	AR			
<i>TSEN54</i>	Pontocerebellar hypoplasia type 2A; pontocerebellar hypoplasia type 4; Pontocerebellar hypoplasia type 5	AR			
<i>TTC8</i>	Bardet-Biedl syndrome 8; Retinitis pigmentosa 51	AR			
<i>TTN</i>	Early onset myopathy with fatal cardiomyopathy; Limb-girdle muscular dystrophy 2J; Salih myopathy	AR			
<i>TTPA</i>	Ataxia with vitamin E deficiency	AR			
<i>UBR1</i>	Johanson-Blizzard syndrome	AR			
<i>UGT1A1</i>	Crigler-Najjar syndrome, type I; Crigler-Najjar syndrome, type II; Hyperbilirubinemia, familial transient neonatal Gilbert syndrome	AR			
<i>USH1C</i>	Usher syndrome, type IC; Deafness, autosomal recessive 18A	AR			
<i>USH2A</i>	Usher syndrome, Type 2A; Retinitis pigmentosa 39	AR			
<i>VPS13A</i>	Choreoacanthocytosis	AR			
<i>VPS53</i>	Pontocerebellar hypoplasia 2E	AR			
<i>VRK1</i>	Pontocerebellar hypoplasia, type 1A	AR			
<i>XPA</i>	Xeroderma pigmentosum group A	AR			
<i>XPC</i>	Xeroderma pigmentosum group C	AR			
<i>ZFYVE26</i>	Spastic paraplegia type 15, ZFYVE26-related	AR			