

PreDNA Test

ΚΑΤΑΛΟΓΟΣ ΓΟΝΙΔΙΩΝ ΚΑΙ ΑΝΤΙΣΤΟΙΧΩΝ ΓΕΝΕΤΙΚΩΝ ΝΟΣΩΝ

<u>ΓΟΝΙΔΙΟ</u>	<u>ΚΩΔΙΚΟΣ NLM</u>	<u>ΝΟΣΟΣ</u>	<u>ΣΥΧΝΟΤΗΤΑ ΕΜΦΑΝΙΣΗΣ ΝΟΣΟΥ</u>
ABCA4	NM_000350.2	Cone-rod dystrophy type 3, Retinitis pigmentosa type 19, Stargardt disease type 1	1:3.500 - 1:30.000
ACAD9	NM_014049.4	Acyl-CoA dehydrogenase type 9 deficiency	1-9:1.000.000
ACADM	NM_000016.5	Acyl-CoA dehydrogenase deficiency, medium-chain	1:17.000
ACADS	NM_000017.2	Acyl-CoA dehydrogenase deficiency, short-chain	1:35.000 - 1:50.000
ACADSB	NM_001609.3	2-Methylbutyryl-CoA dehydrogenase deficiency	1:250 - 1:500
ACADVL	NM_000018.3	Very long chain acyl-CoA dehydrogenase deficiency	1:40.000 - 1:120.000
ACAT1	NM_000019	beta-ketothiolase deficiency	1:1.000.000
ACOX1	NM_001185039	peroxisomal acyl-CoA oxidase deficiency	< 1: 1.000.000
ACTN4	NM_004924.4	Glomerulosclerosis, focal segmental, type 1	2-4:100.000
ADA	NM_000022.2	Adenosine deaminase deficiency	1:200.000 - 1:1.000.000
ADAMTS2	NM_014244.4	Ehlers-Danlos syndrome type 7C	1:5.000
AFG3L2	NM_006796	Progressive external ophthalmoplegia, Spastic ataxia, Spinocerebellar ataxia	Unknown
AGA	NM_000027.3	Aspartylglucosaminuria	1:85.000
AGL	NM_000642.2	Glycogen storage disease type 3	1:100.000
AGPS	NM_003659.3	Rhizomelic chondrodysplasia punctata type 3	1:100.000
AGRN	NM_198576	Congenital myasthenic syndrome	Unknown
AGXT	NM_000030.2	Primary hyperoxaluria type 1	1:58.000
AHI1	NM_017651.4	Joubert syndrome type 3	1:80.000 - 1:100.000

AIPL1	NM_014336.4	Cone-rod dystrophy, Leber congenital amaurosis type 4	1:30.000 - 1:40.000
AKR1D1	NM_005989	Congenital bile acid synthesis defect	1-9:1.000.000
ALAS2	NM_000032.4	Erythropoietic protoporphyria, Sideroblastic anemia, X-linked	1:500 - 1:50.000
ALDOA	NM_000034.3	Glycogen storage disease type 12	1:100.000
ALDOB	NM_000035.3	Hereditary fructose intolerance	1:20.000 - 1:30.000
ALPL	NM_000478.4	Hypophosphatasia	1:2.500 - 1:100.000
AMACR	NM_014324	Alpha-methylacyl-CoA racemase (AMACR) deficiency	Unknown
AMT	NM_000481.3	Glycine encephalopathy	1:55.000 - 1:63.000
ANK1	NM_020475	Hereditary spherocytosis	1:2.000
ANO5	NM_213599.2	Limb-girdle muscular dystrophy type 2L, autosomal recessive	1:14.500 - 1:123.000
APOB	NM_000384	Familial hypobetalipoproteinemia, Hypercholesterolemia	1:500 – 1:1.000
APOC2	NM_000483	Apolipoprotein C2 deficiency, Hyperlipoproteinemia	1:1.000
APOE	NM_000041	Age-related macular degeneration, Alzheimer disease	1:2.000
APTX	NM_175073.2	Ataxia with oculomotor apraxia type 1	>1:100.000
AR	NM_000044.3	Androgen insensitivity syndrome	2-5:100.000
ARG1	NM_000045	Arginase deficiency	1:300.000
ARL13B	NM_182896.2	Joubert syndrome type 8	<1:80.000 - 1:100.000
ARL6	NM_177976.2	Retinitis pigmentosa type 55, Bardet-Biedl syndrome type 3	1:3.500 - 1:160.000
ARSA	NM_000487.5	Metachromatic leukodystrophy	1:75 - 1:160.000
ARSB	NM_000046.3	Mucopolysaccharidosis type 6	1:100.000 - 1:250.000
ARX	NM_139058.2	Epileptic encephalopathy, early infantile, type 1, Lissencephaly with abnormal genitalia, X-linked	1 - 9:1.000.000
ASL	NM_000048.3	Argininosuccinic aciduria	1:70.000

ASPA	NM_000049.2	Canavan disease	1:6.400 - 1:13.500
ASPM	NM_018136.4	Microcephaly primary, type 5, autosomal recessive	1:30.000 - 1:250.000
ASS1	NM_000050.4	Citrullinemia type 1	1:57.000
ATP2A1	NM_004320	Brody myopathy	Unknown
ATP7A	NM_000052.6	Menkes disease, Occipital horn syndrome, Spinal muscular atrophy, distal, X-linked	1:50.000 - 100.000
ATP7B	NM_000053.3	Wilson disease	1:40.000
ATXN1	NM_000332	Spinocerebellar ataxia type 1	1:50.000 – 1:100.000
ATXN2	NM_002973	Amyotrophic lateral sclerosis, Spinocerebellar ataxia type 2	1:20.000 – 1:50.000
ATXN3	NM_004993	Spinocerebellar ataxia type 3	Unknown
ATXN7	NM_000333	Spinocerebellar ataxia 7	Unknown
B9D1	NM_015681	Meckel syndrome, Joubert syndrome	1:3.000 - 1:13.250
B9D2	NM_030578.3	Meckel syndrome type 10	1:3.000 - 1:140.000
BBS1	NM_024649	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BBS10	NM_024685	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BBS12	NM_152618	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BBS2	NM_031885	Bardet-Biedl syndrome, Retinitis pigmentosa	1:13.500 – 1:160.000
BBS4	NM_033028	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BBS5	NM_152384	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BBS7	NM_018190	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BBS9	NM_001033604	Bardet-Biedl syndrome	1:13.500 – 1:160.000
BCKDHA	NM_000709.3	Maple syrup urine disease type 1A	1 - 9:1.000.000
BCKDHB	NM_183050.2	Maple syrup urine disease type 1B	1 - 9:1.000.000

BCS1L	NM_004328.4	Björnstad syndrome, GRACILE syndrome, Mitochondrial complex III deficiency, nuclear type 1	1:47.000 (FINLAND)
BEST1	NM_004183.3	Retinitis pigmentosa type 50, Bestrophinopathy, Vitelliform macular dystrophy type 2	1:3.500 - UNKNOWN
BICC1	NM_025044	Renal dysplasia	Unknown
BRCA1	NM_007294.3	Breast Cancer gene 1	1:33
BRCA2	NM_000059.3	Breast Cancer gene 2, Fanconi anemia, complementation group D1	1:33
BRIP1	NM_032043.2	Fanconi anemia, complementation group J	1 - 9:1.000.000
BSND	NM_057176.2	Bartter syndrome type 4A	< 1:1.000.000
BTD	NM_000060.3	Biotinidase deficiency	1:60.000
BTK	NM_000061.2	Agammaglobulinemia, X-linked	1:200.000
C3	NM_000064.2	C3 deficiency, Atypical hemolytic-uremic syndrome with C3 anomaly	1:10.000 - 1:1.000.000
C5ORF42	NM_023073	Joubert syndrome	1:80.000 – 1:100.000
CA2	NM_000067.2	Osteopetrosis, autosomal recessive, type 3	1:250.000
CACNA1A	NM_000068	19p13.13 deletion syndrome, Episodic ataxia, Familial hemiplegic migraine, Spinocerebellar ataxia type 6	1:10.000 – 1:100.000
CAPN3	NM_000070.2	Limb-girdle muscular dystrophy type 2A	1:150 - 1:178.000
CAV3	NM_033337	distal myopathy, hyperCKemia, Limb-girdle muscular dystrophy, Rippling muscle disease	1:14.500 – 1:123.000
CBS	NM_000071.2	Homocystinuria	1:6.400 - 1:344.000
CC2D2A	NM_001080522.2	Joubert syndrome type 9, Meckel syndrome type 6	1:3.000 - 1:100.000
CD2AP	NM_012120.2	Focal segmental glomerulosclerosis type 3	5-24:1.000.000
CD40LG	NM_000074.2	Hyper IgM syndrome, X-linked	2:1.000.000
CDH23	NM_022124.5	Usher syndrome type 1D, Deafness type 12, autosomal recessive	1/500
CDH3	NM_001793.4	Ectodermal dysplasia - ectrodactyly - macular dystrophy	7:10.000
CDHR1	NM_033100.3	Retinitis pigmentosa type 65	1:3.500

CDK5RAP2	NM_018249.5	Microcephaly, primary, type 3, autosomal recessive	1:10.000 - 1:150.000
CDKL5	NM_003159	X-linked infantile spasm syndrome	>1:100.000
CDKN1C	NM_000076	Beckwith-Wiedemann syndrome	1:13.700
CENPJ	NM_018451.4	Microcephaly primary, type 6, autosomal recessive	1:10.000 - 1:150.000
CEP152	NM_014985.3	Microcephaly, primary, type 9, autosomal recessive, Seckel syndrome type 5	1:10.000 - 1:150.000
CEP164	NM_014956	Nephronophthisis	1:50.000
CEP290	NM_025114.3	Joubert syndrome, Senior-Loken type, Leber congenital amaurosis type 1, Meckel syndrome type 4	<1:80.000 -1:100.000
CEP41	NM_018718	Joubert syndrome, autism	<1:80.000 -1:100.000
CERKL	NM_201548.4	Retinitis pigmentosa type 26	1:4.000
CFH	NM_000186.3	Complement factor H deficiency	1:10.000
CFTR	NM_000492.3	Cystic fibrosis	1:2.500 - 1:3.500
CHAT	NM_020549	Congenital myasthenic syndrome	Unknown
CHKB	NM_005198	Narcolepsy, Muscular dystrophy	1:600 – 1:2.000
CHRNA1	NM_000079	Congenital myasthenic syndrome, Multiple pterygium syndrome	Unknown
CHRNB1	NM_000747	Congenital myasthenic syndrome	Unknown
CHRND	NM_000751	Congenital myasthenic syndrome, Multiple pterygium syndrome	Unknown
CHRNE	NM_000080	Congenital myasthenic syndrome	Unknown
CHRNG	NM_005199	Escobar syndrome, Multiple pterygium syndrome	Unknown
CHST6	NM_021615.4	Macular corneal dystrophy	1-9:100.000
CLCN1	NM_000083.2	Myotonia congenital, autosomal recessive	1:8.000
CLCN7	NM_001287.5	Osteopetrosis type 4, autosomal recessive	1:250.000
CLDN14	NM_144492.2	Deafness type 29, autosomal recessive	1:500 - 1:2.500

CLDN19	NM_148960.2	Hypomagnesemia type 5, renal failure with severe ocular abnormalities	1:40.000
CLN3	NM_001042432.1	Ceroid-lipofuscinoses neuronal type 3	1:12.500
CLN5	NM_006493.2	Neuronal ceroid lipofuscinosis type 5	1:12.500
CLN6	NM_017882.2	Ceroid lipofuscinosis, neuronal, type 6	1:12.500
CLN8	NM_018941.3	Ceroid lipofuscinosis, neuronal, type 8	1:12.500
CLRN1	NM_174878.2	Retinitis pigmentosa type 61, Usher syndrome type 3A	1:4.000 - 1:15.000
CNBP	NM_003418	Myotonic dystrophy	1:8.000
CNGA1	NM_000087.3	Retinitis pigmentosa type 49	1:4.000
CNGB1	NM_001297.4	Retinitis pigmentosa type 45	1:4.000
CNGB3	NM_019098.4	Achromatopsia type 3, Macular degeneration, juvenile	1:5.000 - 1:67.000
COL11A1	NM_001854.3	Stickler syndrome type 2	1:7.000 - 1:9.000
COL17A1	NM_000494.3	Epidermolysis bullosa, junctional, non-Herlitz type	1:30.000 - 1:50.000
COL1A2	NM_000089.3	Ehlers-Danlos syndrome, cardiac valvular type	1:5.000 - 1:250.000
COL4A3	NM_000091.4	Alport syndrome, autosomal recessive	1:50.000
COL4A4	NM_000092.4	Alport syndrome, autosomal recessive	1:50.000
COL6A1	NM_001848	Bethlem myopathy, Ullrich congenital muscular dystrophy	1:100.000
COL6A2	NM_001849	Bethlem myopathy, Ullrich congenital muscular dystrophy	1:100.000
COL6A3	NM_004369	Bethlem myopathy, Ullrich congenital muscular dystrophy	1:100.000
COL7A1	NM_000094.3	Epidermolysis bullosa dystrophica, Hallopeau-Siemens type	1:30.000 - 1:50.000
COL9A1	NM_001851.4	Stickler syndrome type 4	1:7.000 - 1:9.000
COL9A2	NM_001852.3	Stickler syndrome type 5	1:7.000 - 1:9.000
COLQ	NM_005677	Congenital myasthenic syndrome	Unknown

COQ2	NM_015697	Multiple system atrophy	2-5:100.000
CPS1	NM_001122633	Carbamoyl phosphate synthetase I deficiency	1:800.000
CPT1A	NM_001876	Carnitine palmitoyltransferase I (CPT I) deficiency	Rare
CPT2	NM_000098	Carnitine palmitoyltransferase II (CPT II) deficiency	Rare
CRB1	NM_201253.2	Leber congenital amaurosis type 8, Retinitis pigmentosa type 12, Pigmented paravenous chorioretinal atrophy	1:4.000 - 1:50.000
CRTAP	NM_006371.4	Osteogenesis imperfecta type 7	<1:15.000
CRX	NM_000554.4	Leber congenital amaurosis type 7	1:50.000
CSTB	NM_000100.3	Progressive myoclonic epilepsy type 1A	UNKNOWN
CTNS	NM_004937.2	Cystinosis, ocular nonnephropathic, Nephropathic cystinosis	1-9:100.000
CTSD	NM_001909.4	Ceroid lipofuscinosis, neuronal, type 10	1:12.500 - 1:200.000
CTSK	NM_000396.3	Pycnodysostosis	<1:100.000
CYP21A2	NM_000500.7	Congenital adrenal hyperplasia due to 21-hydroxylase deficiency	1:10.000
CYP27A1	NM_000784	Cerebrotendinous xanthomatosis	1:1.000.000
CYP4V2	NM_207352.3	Bietti crystalline corneoretinal dystrophy	1:67.000
CYP7A1	NM_000780	hypercholesterolemia	1:500
CYP7B1	NM_004820.3	Congenital bile acid synthesis defect type 3, Spastic paraplegia type 5A, autosomal recessive	1-9:100.000
DBT	NM_001918.3	Maple syrup urine disease type 2	1:380 - 1:185.000
DECR1	NM_001359	2,4-dienoyl-CoA reductase deficiency	Rare
DFNB31	NM_015404.3	Deafness type 31, autosomal recessive	<1:333
DFNB59	NM_001042702.3	Deafness type 59, autosomal recessive	<1:333
DHCR24	NM_014762	Desmosterolosis	Unknown

DHCR7	NM_001360.2	Smith-Lemli-Opitz syndrome	1:20.000 - 1:60.000
DHDDS	NM_024887.3	Retinitis pigmentosa type 59	1:4.000
DLD	NM_000108.4	Dihydrolipoamide dehydrogenase deficiency E3	1:35.000 - 1:48.000
DMD	NM_004006.2	Becker/Duchenne muscular dystrophy, Dilated cardiomyopathy type 3B	1:2.500 - 1:3.300
DMP1	NM_004407.3	Hypophosphatemic rickets type 1, autosomal recessive	1:20.000
DMPK	NM_004409	Myotonic dystrophy	1:8.000
DNAJB6	NM_005494	Limb-girdle muscular dystrophy	1:14.500 – 1:123.000
DNM2	NM_004945	Centronuclear myopathy, Charcot-Marie-Tooth disease	1:2.500
DOK7	NM_173660	Congenital myasthenic syndrome	Unknown
DPAGT1	NM_001382	Congenital disorder of glycosylation, Myasthenic syndrome	Unknown
DPM2	NM_003863	Congenital disorder of glycosylation	Unknown
DPM3	NM_153741	Congenital disorder of glycosylation	Unknown
DSP	NM_004415.2	Cardiomyopathy, arrhythmogenic, dilated with woolly hair and keratoderma, Lethal acantholytic epidermolysis bullosa	1:1.000 - 1:30.000
DYSF	NM_003494.3	Dysferlinopathy, Miyoshi myopathy, Muscular dystrophy, limb girdle type 2B	1:1.300 - 1:14.500
EBP	NM_006579	X-linked chondrodysplasia punctata	1:400.000
EDA	NM_001399.4	Hypohidrotic ectodermal dysplasia, X-linked	1:15.000
EDN3	NM_207034.1	Shah-Waardenburg syndrome type 4B	1:40.000
EDNRB	NM_000115.3	Shah-Waardenburg syndrome type 4A	1:40.000
EGR2	NM_000399.3	Charcot-Marie-Tooth disease type 4E	1:2.500
EMD	NM_000117.2	Emery-Dreifuss muscular dystrophy type 1, X-linked	1:100.000
ENO3	NM_053013.3	Glycogen storage disease type 13	1:100.000

ENPP1	NM_006208.2	Generalized arterial calcification of infancy and pseudoxanthoma elasticum, Hypophosphatemic rickets type 2, autosomal recessive, Idiopathic infantile arterial calcification	1:20.000 - 391.000
ERCC4	NM_005236	Xeroderma pigmentosum, Fanconi anemia, Tracheoesophageal fistula, XFE progeroid syndrome	1:1.000.000
ERCC6	NM_000124.3	Cerebrooculofacioskeletal syndrome type 1, Cockayne syndrome type B	1:200.000 - 1:1.000.000
ERCC8	NM_000082.3	Cockayne syndrome type A	1:200.000
ESCO2	NM_001017420.2	Roberts syndrome, SC Phocomelia syndrome	<1:1.000.000
ESPN	NM_031475.2	Deafness type 36, autosomal recessive	<1:333
ESRRB	NM_004452.3	Deafness type 35, autosomal recessive	<1:333
ETFA	NM_001014763	Glutaric acidemia	Rare
ETFB	NM_001014763	Glutaric acidemia	Rare
ETFDH	NM_001281737	Glutaric acidemia	Rare
EYS	NM_001142800.1	Retinitis pigmentosa type 25	1:4.000
F11	NM_000128.3	Factor 11 deficiency	1:7 - 1:1.000.000
F5	NM_000130.4	Factor 5 deficiency, Thrombosis	1:1.000 - 1:100.000
F8	NM_000132.3	Hemophilia A	1:4.000
F9	NM_000133.3	Hemophilia B	1:20.000
FAH	NM_000137.2	Tyrosinemia type 1	1:60.000 - 1:100.000
FAM126A	NM_032581.3	Hypomyelination and congenital cataract	<1:1.000.000
FAM20C	NM_020223.3	Osteosclerotic bone dysplasia	<1:1.000.000
FANCA	NM_000135.2	Fanconi anemia, complementation group A	1:160.000
FANCB	NM_152633	Fanconi anemia, complementation group B	1:160.000
FANCC	NM_000136.2	Fanconi anemia, complementation group C	1:160.000

FANCD2	NM_033084.3	Fanconi anemia, complementation group D2	1:160.000
FANCE	NM_021922.2	Fanconi anemia, complementation group E	1:160.000
FANCG	NM_004629.1	Fanconi anemia, complementation group G	1:160.000
FANCI	NM_001113378.1	Fanconi anemia, complementation group I	1:160.000
FANCL	NM_018062.3	Fanconi anemia, complementation group L	1:160.000
FANCM	NM_020937.2	Fanconi anemia, complementation group M	1:160.000
FBP1	NM_000507	Fructose-biphosphatase deficiency	Rare
FGD4	NM_139241.2	Charcot-Marie-Tooth disease type 4H	1:2.500
FHL1	NM_001449.4	Emery-Dreifuss muscular dystrophy type 6, Myopathy, reducing body	1:100.000
FIG4	NM_014845.5	Charcot-Marie-Tooth disease type 4J, Yunis-Varon syndrome	1:2.500
FKRP	NM_024301.4	Congenital muscular dystrophy type 5B, Limb-girdle muscular dystrophy type 2I, autosomal recessive	UNKNOWN
FKTN	NM_001079802.1	Fukuyama congenital muscular dystrophy, Muscular dystrophy, limb girdle, type 2M	1:25.000
FMR1	NM_002024	Fragile X syndrome, Premature ovarian failure	1:3600 - 1:6.000
FOXP1	NM_005249	Rett syndrome	Rare
FOXN1	NM_003593.2	T-cell immunodeficiency, congenital alopecia, and nail dystrophy	<1:200.000
FUCA1	NM_000147.4	Fucosidosis	<1:200.000
FXN	NM_000144.4	Friedreich ataxia	1:25.000 - 1:50.000
G6PC	NM_000151.3	Glycogen storage disease type 1a	1:100.000
G6PC3	NM_138387.3	Severe congenital neutropenia type 4	1:200.000
GAA	NM_000152.3	Glycogen storage disease type 2	1:100.000
GALC	NM_000153.3	Krabbe disease	1:150 - 1:100.000
GALE	NM_000403	Galactosemia	1:3.500 - 1:50.000

GALNS	NM_000512	Mucopolysaccharidosis	1:200.000 – 1:300.000
GALT	NM_000155.3	Galactosemia	1:3.500 - 1:50.000
GAMT	NM_138924	Guanidinoacetate methyltransferase deficiency	Rare
GATM	NM_001482	Arginine:glycine amidinotransferase deficiency	Unknown
GBA	NM_001005741.2	Gaucher disease	1:855 - 1:57.000
GBE1	NM_000158.3	Glycogen storage disease type 4, Polyglucosan body disease, adult	1:100.000
GCDH	NM_000159.3	Glutaric acidemia type 1	1:300 - 1:40.000
GCH1	NM_000161	Dopa-responsive dystonia, Tetrahydrobiopterin deficiency	1:500.000 – 1:1.000.000
GCSH	NM_004483.4	Glycine encephalopathy (GCSH)	1:12.000 - 1:63.000
GDAP1	NM_018972.2	Charcot-Marie-Tooth disease type 4A	1:2.500
GFPT1	NM_001244710	Congenital myasthenic syndrome	Unknown
GJB2	NM_004004.5	Deafness type 1A, autosomal recessive	<1:333
GJB3	NM_024009.2	Deafness type 1A, autosomal recessive	<1:333
GJB6	NM_006783.4	Deafness type 1B, autosomal recessive	<1:333
GJC2	NM_020435.3	Pelizaeus-Merzbacher-like disease type 1	1:100.000 - 1:500.000
GLA	NM_000169	Fabry disease	1:40.000 – 1:60.000
GLB1	NM_000404.2	GM1 Gangliosidosis, Mucopolysaccharidosis type 4B	1:100.000 - 1:200.000
GLDC	NM_000170.2	Glycine encephalopathy	1:12.000 - 1:63.000
GLE1	NM_001003722.1	Lethal arthrogryposis with anterior horn cell disease	1:3.000
GM2A	NM_000405.4	GM2 Gangliosidosis (Tay-Sachs disease)	1:3.500 - 1:320.000
GNE	NM_005476.5	Distal myopathy Nonaka type	1:5.000 - 1:300.000
GNPAT	NM_001316350	Rhizomelic chondrodysplasia punctata	1:100.000

GNPTAB	NM_024312.4	Mucopolipidosis type 2/type 3	1:100.000 - 1:400.000
GNPTG	NM_032520	Mucopolipidosis III gamma	1:100.000 – 1:400.000
GNS	NM_002076.3	Mucopolysaccharidosis type 3D	1:100.000 - 1:200.000
GPR143	NM_000273.2	Ocular albinism, X-linked	1:60.000
GPR98	NM_032119.3	Usher syndrome type 2C	1:6.000
GRHPR	NM_012203.1	Primary hyperoxaluria type 2	1:58.000
GRXCR1	NM_001080476.2	Deafness type 25, autosomal recessive	<1:333
GUCY2D	NM_000180.3	Leber congenital amaurosis type 1	1:30.000
GUSB	NM_000181	Mucopolysaccharidosis type VII (Sly syndrome)	1:250.000
GYS2	NM_021957	Glycogen storage disease	Unknown
HADHA	NM_000182	Long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency, Mitochondrial trifunctional protein deficiency	Rare
HADHB	NM_000183	Mitochondrial trifunctional protein deficiency	Rare
HAL	NM_002108.3	Histidinemia	1:20.000
HBA	NM_000517/000558	Alpha-thalassemia	1:100 - 1:2.272
HBB	NM_000518.4	Beta-thalassemia, Sickle cell anaemia	1:50 - 1:1.500
HESX1	NM_003865.2	Combined pituitary hormone deficiencies, genetic forms	1:8.000
HEXA	NM_000520.4	Tay-Sachs disease	1:2.900 - 1:360.000
HEXB	NM_000521.3	Sandhoff disease	1:130.000
HFE	NM_000410.3	Haemochromatosis	1:200 - 1:1.000
HGD	NM_000187.3	Alkaptonuria	1:19.000 - 1:250.000
HGF	NM_000601.4	Deafness type 39, autosomal recessive	<1:333
HGSNAT	NM_152419.2	Mucopolysaccharidosis type 3C	1:100.000 - 1:500.000

HIBCH	NM_014362.3	3-Hydroxyisobutryl-CoA hydrolase deficiency	1:130.000
HLCS	NM_000411	Holocarboxylase synthetase deficiency	1:87.000
HMGCS2	NM_005518	mitochondrial 3-hydroxy-3-methylglutaryl-CoA synthase deficiency	Unknown
HPD	NM_002150.2	Tyrosinemia type 3	1:1.800 - 1:100.000
HPRT1	NM_000194.2	Lesch-Nyhan syndrome	1:380.000
HPS1	NM_000195.3	Hermansky-Pudlak syndrome type 1	1:1.800 - 1:500.000
HSD17B4	NM_000414.3	D-bifunctional protein deficiency, Perrault syndrome	1:100.000
HSD3B7	NM_001142777	Congenital bile acid synthesis defect	1-9:1.000.000
HSPG2	NM_005529	Schwartz-Jampel syndrome	Rare
HYLS1	NM_145014.2	Hydrolethalus syndrome type 1	1:20.000
IDH3B	NM_006899.3	Retinitis pigmentosa type 46	1:4.000
IDS	NM_000202.6	Mucopolysaccharidosis type 2	1:100.000 - 1:500.000
IDUA	NM_000203	Mucopolysaccharidosis type I	1:100.000 - 1:500.000
IFT80	NM_020800.2	Short-rib thoracic dysplasia type 2 with or without polydactyly	1:100.000 - 1:130.000
IGF1	NM_000618.3	Growth delay due to insulin-like growth factor type 1 deficiency	<1.000.000
IGHMBP2	NM_002180.2	Spinal muscular atrophy, distal, type 1, autosomal recessive	1:6.000 - 1:10.000
IKBKAP	NM_003640.3	Familial dysautonomia	1:3.700 (Ashkenazi)
IL2RG	NM_000206.2	Severe combined immunodeficiency T-B+; X-linked	1:2.500 - 1:100.000
IMPDH1	NM_000883.3	Retinitis pigmentosa type 10	1:4.000
IMPG2	NM_016247.3	Retinitis pigmentosa type 56	1:4.000
INF2	NM_022489	Charcot-Marie-Tooth disease	1:2.500
INPP5E	NM_019892.4	Joubert syndrome type 1, MORM syndrome	1:100.000

INSR	NM_000208.2	Diabetes mellitus, insulin-resistant, Leprechaunism	1:6 - 1:33
INVS	NM_014425	Nephronophthisis	1:50.000 – 1:1.000.000
IQCB1	NM_014642	Senior-Løken syndrome	1:1.000.000
ISCU	NM_213595.3	Myopathy with deficiency of ISCU	1:35.000
ISPD	NM_001101426	Limb-girdle muscular dystrophy, Walker-Warburg syndrome	1:14.500 – 1:123.000
ITGA3	NM_005501	Interstitial lung disease, nephrotic syndrome, and epidermolysis bullosa, congenital	Unknown
ITGA7	NM_002206	Muscular dystrophy congenital due to integrin alpha-7 deficiency	Unknown
IVD	NM_002225.3	Isovaleric acidemia	1:250.000
JAK3	NM_000215.3	Severe combined immunodeficiency T-B+NK-	1:2.500 - 1:100.000
KCNC3	NM_004977	Spinocerebellar ataxia 13	Unknown
KCNJ13	NM_002242.4	Leber congenital amaurosis type 16	1:30.000
KCNQ2	NM_172109	Benign familial neonatal seizures	1:100.000
KCNQ3	NM_004519	Benign familial neonatal seizures	1:100.000
KCNV2	NM_133497.3	Retinal cone dystrophy type 3B	1:40.000
KIF7	NM_198525	Acrocallosal syndrome, Joubert syndrome	1:80.000 – 1:100.000
L1CAM	NM_000425.4	MASA syndrome/hydrocephalus	1:30.000
LAMA2	NM_000426.3	Congenital muscular dystrophy type 1A	1:30.000
LAMB2	NM_002292	Congenital nephrotic syndrome	1:10.000 – 1:100.000
LARGE	NM_004737.4	Muscular dystrophy-dystroglycanopathy type 6	1:30.000
LBR	NM_002296	Greenberg dysplasia	Rare
LDHA	NM_005566.3	Glycogen storage disease type 11	1:100.000
LDLR	NM_000527	Hypercholesterolemia	1:500

LEPRE1	NM_022356.3	Osteogenesis imperfecta type 8	1:10.000 - 1:20.000
LHFPL5	NM_182548.3	Deafness type 67, autosomal recessive	<1:333
LHX3	NM_014564.3	Combined pituitary hormone deficiency type 3	1:8.000
LIFR	NM_002310.5	Stuve-Wiedemann syndrome	1:20.000
LMNA	NM_170707.3	Hutchinson-Gilford progeria syndrome, Lipodystrophy, familial partial, type 2, Mandibuloacral dysplasia, Muscular dystrophy, Emery-Dreifuss type 3, Cardiomyopathy, dilated type 1A	1:2.500 - 1:100.000
LMX1B	NM_001174146	Nail-patella syndrome	1:50.000
LOXHD1	NM_144612.6	Deafness type 77, autosomal recessive	<1:333
LPL	NM_000237	Familial lipoprotein lipase deficiency	<1:1.000.000
LRAT	NM_004744.3	Leber congenital amaurosis type 14, Retinal dystrophy, early-onset severe	1:5.000 - 1:67.000
LRP5	NM_002335.3	Exudative vitreoretinopathy type 4, Isolated polycystic liver disease, Osteoporosis-pseudoglioma syndrome	1:100.000
LRPPRC	NM_133259.3	Leigh syndrome, French-Canadian type	1:36.000
LRTOMT	NM_001145308.4	Deafness type 63, utosomal recessive	<1:333
MAK	NM_001242957.1	Retinitis pigmentosa type 62	1:4.000
MAN2B1	NM_000528.3	Alpha-mannosidosis	1:300.000
MANBA	NM_005908	Beta-mannosidosis	Rare
MARVELD2	NM_001038603.2	Deafness type 49, autosomal recessive	<1:333
MAT1A	NM_000429.2	Methionine adenosyltransferase deficiency	1:20.000
MATN3	NM_002381.4	Multiple epiphyseal dysplasia type 5	1:10.000
MBTPS2	NM_015884.3	Ichthyosis follicularis-atrichia-photophobia	1:2.000 - 1:10.000
MCCC1	NM_020166.4	3-Methylcrotonyl-CoA carboxylase type 1 deficiency	1:36.000
MCCC2	NM_022132.4	3-Methylcrotonyl-CoA carboxylase 2 deficiency, type 2	1:36.000

MCEE	NM_032601.3	Methylmalonic acidemia due to methylmalonyl-CoA epimerase deficiency	1:50.000 - 1:80.000
MCOLN1	NM_020533.2	Mucopolipidosis type 4	1:100.000 - 1:400.000
MCPH1	NM_024596.3	Microcephaly, primary, type 1, autosomal recessive	1:10.000 - 1:250.000
MECP2	NM_004992.3	Rett syndrome	1:8.500
MED25	NM_030973.3	Charcot-Marie-Tooth disease type 2B2	1:2.500 - 1:250.000
MEFV	NM_000243.2	Familial mediterranean fever	1:200 - 1:1.000
MERTK	NM_006343.2	Retinitis pigmentosa type 38	1:4.000
MFRP	NM_031433.3	Microphthalmia - Retinitis pigmentosa - foveoschisis - optic disc drusen	1:4.000
MFSD8	NM_152778.2	Ceroid lipofuscinosis, neuronal, type 7	1:385.000
MGAT2	NM_002408.3	Congenital disorders of glycosylation 2a type	1:20.000
MKKS	NM_018848.3	Bardet-Biedl/McKusick-Kaufman syndrome, Bardet-Biedl syndrome type 6, McKusick-Kaufman syndrome	1:100.000 - 1:175.000
MKS1	NM_017777.3	Bardet-Biedl syndrome type 13, Meckel type 1/Bardet-Biedl syndrome	1:13.500 - 1:140.000
MMAA	NM_172250.2	Vitamin B12-responsive methylmalonic acidemia type cblA	1:48.000 - 1:61.000
MMAB	NM_052845.3	Vitamin B12-responsive methylmalonic acidemia type cblB	1:48.000 - 1:61.000
MMACHC	NM_015506.2	Methylmalonic aciduria cblC type, with homocystinuria	1:37.000 - 1:100.000
MMADHC	NM_015702.2	methylmalonic aciduria cblD type, with homocystinuria	1:37.000 - 1:100.000
MOCS1	NM_005943.5	Molybdenum cofactor deficiency type A	1:100.000 - 1:200.000
MOCS2	NM_176806.3	Molybdenum cofactor deficiency type B	1:100.000 - 1:200.000
MPI	NM_002435.2	Congenital disorders of glycosylation type 1b	1:20.000
MPZ	NM_000530.6	Dejerine-Sottas syndrome (MPZ), Neuropathy, congenital hypomyelinating or amyelinating	1:3.500
MTHFR	NM_005957.4	Homocystinuria due to MTHFR deficiency	1:65.000
MTM1	NM_000252.2	Myotubular myopathy, X-linked	1:50.000

MTMR2	NM_016156.5	Charcot-Marie-Tooth disease type 4B1	1:2.500 - 1:250.000
MUSK	NM_001166280	Congenital myasthenic syndrome	Unknown
MUT	NM_000255.3	Methylmalonic acidemia	1:25.000 - 1:48.000
MVK	NM_000431	Mevalonate kinase deficiency	Rare
MYO15A	NM_016239.3	Deafness type 3, autosomal recessive	<1:333
MYO3A	NM_017433.4	Deafness type 30, autosomal recessive	<1:333
MYO6	NM_004999.3	Deafness type 37, autosomal recessive	<1:333
MYO7A	NM_000260.3	Deafness type 2, autosomal recessive, Usher syndrome type 1B	<1:333
NAGLU	NM_000263	Mucopolysaccharidosis type III	1:70.000
NAGS	NM_153006	N-acetylglutamate synthase deficiency	Rare
NDRG1	NM_006096.3	Charcot-Marie-Tooth disease, type 4D	1:2.500 - 1:250.000
NEB	NM_004543.4	Nemaline myopathy type 2	1:50.000
NEFL	NM_006158.3	Charcot-Marie-Tooth disease type 1F	1:2.500 - 1:250.000
NEK8	NM_178170	Nephronophthisis	1:50.000 – 1:1.000.000
NMNAT1	NM_022787.3	Leber congenital amaurosis type 9	1:50.000 - 1:100.000
NOTCH2	NM_024408	Alagille syndrome, Hajdu-Cheney syndrome, cancers	1 : 70.000
NPC1	NM_000271.4	Niemann-Pick disease type C1	1:120.000
NPC2	NM_006432.3	Niemann-Pick disease type C2	1:120.000
NPHP1	NM_000272.3	Nephronophthisis type 1	1:50.000 - 1:100.000
NPHP3	NM_153240.4	Nephronophthisis type 3	1:50.000 - 1:100.000
NPHP4	NM_015102.4	Nephronophthisis type 4	1:50.000 - 1:100.000
NPHS1	NM_004646.3	Nephrotic syndrome type 1	1:6.000

NPHS2	NM_001297575	Nephrotic syndrome	1:10.000
NROB1	NM_000475.4	Cytomegalic congenital adrenal hypoplasia	1:10.000
NSDHL	NM_015922	Congenital hemidysplasia with ichthyosiform erythroderma and limb defects (CHILD syndrome)	Rare
NTRK1	NM_001012331.1	Hereditary sensory and autonomic neuropathy type 4	1:25.000
NYX	NM_022567.2	Night blindness, congenital stationary , type 1A, X-linked	1:100
OAT	NM_000274.3	Gyrate atrophy of choroid and retina with or without ornithinemia	1:50.000
OCA2	NM_000275.2	Oculocutaneous albinism type 2	1:1.400 - 1:20.000
OCRL	NM_000276.3	Lowe syndrome	1:500.000
OFD1	NM_003611.2	Joubert syndrome type 10, Orofaciodigital syndrome type 1	1:100.000
OPA3	NM_025136.3	3-methylglutaconic aciduria type 3	1:10.000
OSTM1	NM_014028.3	Osteopetrosis type 5, autosomal recessive	1:100.000 - 1:500.000
OTC	NM_000531.5	Ornithine transcarbamylase deficiency	1:56.500 - 1:77.000
OTOA	NM_144672.3	Deafness type 22, autosomal recessive	<1:333
OTOF	NM_194248.2	Deaffness type 9, autosomal recessive	<1:333
OXCT1	NM_000436	Succinyl-CoA:3-ketoacid CoA transferase (SCOT) deficiency	Unknown
PAH	NM_000277.1	Phenylketonuria	1:10.000
PALB2	NM_024675.3	Fanconi anemia, complementation group N	1:30.000 - 1:40.000
PAX3	NM_181457.3	Waardenburg syndrome type 3	1:40.000
PAX6	NM_000280.4	Aniridia	1:40.000 - 1:100.000
PC	NM_000920.3	Pyruvate carboxylase deficiency	1:250.000
PCCA	NM_000282.3	Propionic acidemia type 1	1:35.000
PCCB	NM_000532.4	Propionic acidemia type 2	1:35.000

PCDH15	NM_033056.3	Usher syndrome type 1F	1:6.000
PDE6A	NM_000440.2	Retinitis pigmentosa type 43	1:4.000
PDE6B	NM_000283.3	Retinitis pigmentosa type 43	1:4.000
PDE6C	NM_006204.3	Cone dystrophy type 4	1:40.000
PDE6G	NM_002602.3	Retinitis pigmentosa type 57	1:4.000
PDSS1	NM_001321978	Coenzyme Q10 deficiency	Unknown
PDSS2	NM_020381	Leigh syndrome	1:2.000 – 1:40.000
PDYN	NM_001190892	Spinocerebellar ataxia 23	Unknown
PDZD7	NM_001195263.1	Usher syndrome type 2C	1:6.000
PEX1	NM_000466.2	Peroxisome biogenesis disorder type 1A, Peroxisome biogenesis disorder type 1B	1:50.000
PEX12	NM_000286.2	Peroxisome biogenesis disorder complementation group 6	1:50.000
PEX13	NM_002618	Zellweger spectrum disorder	1:50.000
PEX14	NM_004565	Zellweger spectrum disorder	1:50.000
PEX2	NM_000318.2	Peroxisome biogenesis disorder complementation group 5	1:50.000
PEX26	NM_017929.5	Peroxisome biogenesis disorder type 7	1:50.000
PEX3	NM_003630	Zellweger spectrum disorder	1:50.000
PEX5	NM_001131025.1	Peroxisome biogenesis disorder type 2	1:50.000
PEX6	NM_000287	Zellweger spectrum disorder	1:50.000
PEX7	NM_000288.3	Rhizomelic chondrodysplasia punctata type 1	1:100.000
PFKM	NM_000289	Glycogen storage disease type VII	Rare
PGM1	NM_002633.2	Congenital disorder of glycosylation, type 1T	1:20.000
PHKA2	NM_000292	Glycogen storage disease type IX	1:100.000

PHKG2	NM_000294.2	Glycogen storage disease type 9C	1:100.000
PHYH	NM_001037537	Refsum disease	Unknown
PKD1	NM_000296	Polycystic kidney disease	1:500
PKD2	NM_000297	Polycystic kidney disease	1:500
PKHD1	NM_138694.3	Polycystic kidney disease, autosomal recessive	1:20.000
PKLR	NM_000298.5	Hemolytic anemia due to red cell pyruvate kinase deficiency	1:20.000
PLCE1	NM_016341.3	Nephrotic syndrome type 3	2-17:100.000
PLEC	NM_000445.4	Epidermolysis bullosa simplex with muscular dystrophy, Epidermolysis bullosa simplex with pyloric atresia	1:53.000
PLEKHG5	NM_020631.4	Charcot-Marie-Tooth disease, intermediate type C	1:2.500 - 1:250.000
PLG	NM_000301.3	Congenital plasminogen deficiency type 1	1,6:1.000.000
PLOD1	NM_000302.3	Ehlers-Danlos syndrome, type 6	1:5.000
PLP1	NM_000533.3	Pelizaeus-Merzbacher disease, Spastic paraplegia type 2, X-linked	1:100.000 - 200.000
PNPO	NM_018129.3	PNPO deficiency	1-9:1.000.000
POLG	NM_002693.2	Mitochondrial DNA depletion syndrome, Alpers type, Progressive external ophthalmoplegia	UNKNOWN
POMGNT1	NM_017739.3	Muscular dystrophy-dystroglycanopathy (congenital with brain and eye anomalies) type A3	1:10.000
POMGNT2	NM_032806	Walker-Warburg syndrome	1:65.000
POMT1	NM_007171.3	Congenital muscular dystrophy with intellectual disability type B1, Walker-Warburg syndrome	1:60.000
POMT2	NM_013382.5	Congenital muscular dystrophy with intellectual disability type A2, Walker-Warburg syndrome	1:60.000
POR	NM_000941	Antley-Bixler syndrome with genital anomalies and disordered steroidogenesis	Unknown
POU1F1	NM_000306.3	Pituitary hormone deficiency, combined, type 1	1:8.000

POU3F4	NM_000307.4	Deafness type 2, X-linked	<1:333
PPP2R2B	NM_181678	Spinocerebellar ataxia 12	Unknown
PPT1	NM_000310.3	Neuronal ceroid-lipofuscinoses type 1	1:20.000 -1:100.000
PRCD	NM_001077620.2	Retinitis pigmentosa 36	1:4.000
PRKCG	NM_002739	Spinocerebellar ataxia 14	Unknown
PRKRA	NM_003690.4	Dystonia tipo 16	1:1.000 - 1:50.000
PROM1	NM_006017.2	Retinitis pigmentosa type 41	1:4.000
PROP1	NM_006261.4	Pituitary hormone deficiency, combined, type 2	1:8.000
PRPS1	NM_002764.3	Charcot-Marie-Tooth disease type 5, X-linked recessive, Deafness, X-linked, Phosphoribosylpyrophosphate synthetase superactivity, Sensorineural deafness, nonsyndromic, X-linked	<1:333
PRRT2	NM_145239	Familial hemiplegic migraine, Familial paroxysmal kinesigenic dyskinesia	1:10.000 – 1:150.000
PRX	NM_181882.2	Charcot-Marie-Tooth disease type 4F, Dejerine-Sottas syndrome (PRX)	1:2.500 - 1:250.000
PSAP	NM_002778	Metachromatic leukodystrophy	1:8.000 – 1:160.000
PTPRO	NM_002848	Nephrotic syndrome 6	Unknown
PTRF	NM_012232	Congenital generalized lipodystrophy (Berardinelli-Seip congenital lipodystrophy)	1:10.000.000
PTS	NM_000317	Tetrahydrobiopterin deficiency	Rare
PYGL	NM_002863	Glycogen storage disease type VI	Unknown
PYGM	NM_005609.2	McArdle disease	1:100.000
RAD51	NM_002875	Breast cancer	1:33
RAD51C	NM_058216.2	Fanconi anemia, complementation group O	1:160.000
RAG1	NM_000448.2	Immunodeficiency severe combined B cell-negative, Omenn syndrome	1:200.000 -1:1.000.000

RAG2	NM_000536.3	Combined immunodeficiency with skin granulomas, Omenn syndrome	1:200.000 - 1:1.000.000
RAPSN	NM_005055.4	Congenital myasthenic syndrome, Fetal akinesia deformation sequence	1:500.000
RAX	NM_013435.2	Isolated microphthalmia type 3	1:10.000 - 1:100.000
RDH12	NM_152443.2	Leber congenital amaurosis type 13	1:30.000 - 1:50.000
RDX	NM_002906.3	Deafness type 24, autosomal recessive	<1:333
RELN	NM_005045.3	Lissencephaly syndrome, Norman-Roberts type	1:100.000
RGR	NM_001012720.1	Retinitis pigmentosa type 44	1:3.500
REX5	NM_000319	Peroxisome biogenesis disorder (Zellweger spectrum disorder)	1:50.000
RHO	NM_000539.3	Retinitis pigmentosa type 4	1:3.500
RLBP1	NM_000326.4	Retinitis punctata albescens	1:800.000
RP2	NM_006915.2	Retinitis pigmentosa type 2	1:3.500
RPE65	NM_000329.2	Leber congenital amaurosis type 2, Retinitis pigmentosa type 20	1:3.500 - 1:50.000
RPGR	NM_001034853.1	Retinitis pigmentosa type 3	1:3.500
RPGRIP1L	NM_015272.2	Joubert syndrome type 7, Meckel syndrome type 5	1:1.300 - 1:100.000
SACS	NM_014363.5	Spastic ataxia, Charlevoix-Saguenay type	1:20.000 - 1:100.000
SBDS	NM_016038.2	Shwachman-Diamond syndrome	1:77.000
SBF2	NM_030962.3	Charcot-Marie-Tooth disease type 4B2	1:2.500 - 1:250.000
SC5D	NM_006918.4	Lathosterolosis	1:10.000 - 1:60.000
SCN1A	NM_006920	Familial hemiplegic migraine, Malignant migrating partial seizures of infancy	1:10.000
SCN2A	NM_021007	Benign familial neonatal-infantile seizures, Early infantile epileptic encephalopathy 11	Unknown
SCN4A	NM_000334	Congenital myasthenic syndrome, Hyperkalemic periodic paralysis, Hypokalemic periodic paralysis, Paramyotonia congenita	1:100.000

SDCCAG8	NM_006642	Senior-Løken syndrome	Rare
SEC63	NM_007214	Polycystic liver disease	Unknown
SEMA4A	NM_022367.3	Retinitis pigmentosa type 35	1:3.500
SEPN1	NM_020451.2	Muscular dystrophy, rigid spine, type 1	UNKNOWN
SERPINA1	NM_000295.4	Alpha1-antitrypsin deficiency	1:1.500 - 1:3.500
SETX	NM_015046.5	Spinocerebellar ataxia with axonal neuropathy type 2	1:10.000
SGCA	NM_000023.2	Limb-girdle muscular dystrophy type 2D	1:14.500 - 1:143.000
SGCB	NM_000232.4	Muscular dystrophy, limb-girdle, type 2E	1:14.500 - 1:143.000
SGCD	NM_000337	Familial dilated cardiomyopathy, Limb-girdle muscular dystrophy	1:14.500
SGCG	NM_000231.2	Limb-girdle muscular dystrophy type 2C	1:14.500 - 1:143.000
SGSH	NM_000199.3	Mucopolysaccharidosis type 3A (Sanfilippo disease type A)	1:10.000
SH3TC2	NM_024577.3	Charcot-Marie-Tooth disease type 4C	1:2.500 - 1:250.000
SIX6	NM_007374.2	Anophthalmia or microphthalmia, isolated	1:4.000
SLC22A5	NM_003060	Primary carnitine deficiency	1:40.000
SLC25A13	NM_014251.2	Citrullinemia type 2	1:57.000 - 1:100.000
SLC25A15	NM_014252	Ornithine translocase deficiency	Rare
SLC25A20	NM_000387	Carnitine-acylcarnitine translocase (CACT) deficiency	Rare
SLC25A22	NM_024698.5	Epileptic encephalopathy, early infantile, type 3	1:50.000 - 1:100.000
SLC26A2	NM_000112.3	Atelosteogenesis type 2, Diastrophic dysplasia	1:100.000
SLC26A4	NM_000441.1	Deafness type 4, autosomal recessive, Pendred syndrome	<1:333
SLC26A5	NM_198999.2	Deafness type 61, autosomal recessive	<1:333
SLC27A1	NM_198580	Fatty acid transportation defect	Unknown

SLC2A1	NM_006516	GLUT1 deficiency syndrome	1:90.000
SLC2A2	NM_000340	Diabetes mellitus type 2, Fanconi-Bickel syndrome	Unknown
SLC37A4	NM_001164278.1	Glycogen storage disease types 1b, 1c and 1d	1:100.000
SLC45A2	NM_016180.3	Albinism, oculocutaneous, type 4	1:20.000
SLC4A11	NM_032034.3	Congenital hereditary endothelial dystrophy type 2, Corneal dystrophy and perceptive deafness	1:64.500
SLX4	NM_032444.2	Fanconi anemia, complementation group P	1:160.000
SMN1	NM_000344	Spinal muscular atrophy	1:10.000
SMPD1	NM_000543.4	Niemann-Pick disease	1:40.000 - 1:250.000
SNAI2	NM_003068.4	Waardenburg syndrome type 2	1:40.000
SPG11	NM_025137.3	Spastic paraplegia type 11	1:12.000 - 1:80.000
SPG20	NM_015087.4	Spastic paraplegia type 20, autosomal recessive	1:12.000 - 1:80.000
SPG7	NM_003119.3	Spastic paraplegia type 7	1:12.000 - 1:80.000
STAR	NM_000349.2	Lipoid adrenal hyperplasia	1:10.000
STIL	NM_003035.2	Microcephaly primary, type 7, autosomal recessive	1:30.000 - 1:250.000
STRA6	NM_022369.3	Syndromic microphthalmia type 9	1:5.000 - 1:50.000
STRC	NM_153700.2	Deafness type 16, autosomal recessive	<1:333
SUMF1	NM_182760	Multiple sulfatase deficiency	1:1.000.000
SUOX	NM_000456.2	Sulfocysteinuria	1:20.000 - 1:64.000
SYNE1	NM_182961	Autosomal recessive cerebellar ataxia type 1	Unknown
SYNE2	NM_182914	Emery-Dreifuss muscular dystrophy 5	Unknown
TAF1	NM_004606.4	Dystonia-Parkinsonism, X-linked	1:20.000
TAT	NM_000353.2	Tyrosinemia type 2	1:250.000

TBC1D24	NM_020705	DOORS syndrome, Malignant migrating partial seizures of infancy , Nonsyndromic hearing loss	1:500
TBP	NM_003194	Huntington disease-like (HDL) syndrome	Rare
TCAP	NM_003673.3	Cardiomyopathy, hypertrophic, type 25, Limb-girdle muscular dystrophy type 2G	1:500 - 1:143.000
TCIRG1	NM_006019.3	Osteopetrosis type 1, autosomal recessive	1:250.000
TCTN1	NM_024549	Joubert syndrome 13	Unknown
TCTN3	NM_015631	Joubert syndrome 13, Orofacial-digital syndrome IV	Unknown
TECTA	NM_005422.2	Deafness type 21, autosomal recessive	<1:333
TFR2	NM_003227.3	Hemochromatosis, type 3	1:200 - 1:400
TH	NM_000360.3	Segawa syndrome, autosomal recessive	1:200.000 - 1:1.000.000
TMC1	NM_138691.2	Deafness type 7, autosomal recessive	<1:333
TMEM138	NM_016464	Joubert syndrome 16	Unknown
TMEM216	NM_001173990.2	Joubert syndrome type 2, Meckel syndrome type 2	1:80.000 - 1:100.000
TMEM231	NM_001077416	Meckel syndrome, type 11, Joubert syndrome 20	Unknown
TMEM237	NM_152388	Joubert syndrome 14	Unknown
TMEM43	NM_024334	Arrhythmogenic right ventricular cardiomyopathy	1:1.000 – 1:1.250
TMEM67	NM_153704.5	COACH syndrome, Joubert syndrome type 6, Meckel syndrome type 3	1:80.000 - 1:100.000
TMIE	NM_147196.2	Deafness type 6, autosomal recessive	<1:333
TMPRSS3	NM_024022.2	Deafness types 8/10, autosomal recessive	<1:333
TNNT1	NM_003283.5	Nemaline myopathy type 5	1:50.000
TPP1	NM_000391.3	Neuronal ceroid-lipofuscinoses type 2	1:200.000
TPRN	NM_001128228.2	Deafness type 79, autosomal recessive	<1:333
TRIM32	NM_012210.3	Limb-girdle muscular dystrophy type 2H	1:14.500 - 1:143.000

TRIOBP	NM_001039141.2	Deafness type 28, autosomal recessive	<1:333
TRPC6	NM_004621	Focal segmental glomerulosclerosis 2	Unknown
TSHR	NM_000369.2	Hypothyroidism	1:4.000
TTC21B	NM_024753	Joubert syndrome 11, Nephronophthisis 12, Bardet-Biedl syndrome	Unknown
TTN	NM_133378	Centronuclear myopathy, Early-onset myopathy with fatal cardiomyopathy, familial dilated cardiomyopathy, familial hypertrophic cardiomyopathy, Hereditary myopathy with early respiratory failure, Limb-girdle muscular dystrophy Tibial muscular dystrophy	>1:500
TULP1	NM_003322.4	Leber congenital amaurosis type 15, Retinitis pigmentosa type 14	1:3.500 - 1:50.000
TYR	NM_000372.4	Oculocutaneous albinism type 1	1:20.000
TYRP1	NM_000550.2	Oculocutaneous albinism type 3	1:20.000
UBA1	NM_003334.3	Spinal muscular atrophy type 2, X-linked	1:12.000
UBE2T	NM_014176	Fanconi anemia complementation group T	Unknown
UBR1	NM_174916.2	Johanson-Blizzard syndrome	1:250.000
UGT1A1	NM_000463.2	Crigler-Najjar syndrome type 1, Crigler-Najjar syndrome type 2, Gilbert syndrome	1:10 - 1:10.000
UMOD	NM_001008389	Uromodulin-associated kidney disease	Unknown
UQCRB	NM_006294.4	Mitochondrial complex III deficiency, nuclear type 3	UNKNOWN
UQCRQ	NM_014402.4	Mitochondrial complex III deficiency, nuclear type 4	UNKNOWN
USH1C	NM_153676.3	Usher syndrome type 1C	1:6.000 - 1:15.000
USH1G	NM_173477.4	Usher syndrome type 1G	1:6.000 - 1:15.000
USH2A	NM_206933.2	Retinitis pigmentosa type 39, Usher syndrome type 2A	1:3.500 - 1:15.000
VDR	NM_001017535.1	Rickets, vitamin D-resistant, type 2A	1:200.000
WAS	NM_000377.2	Neutropenia, severe congenital, X-linked, Thrombocytopaenia type 1, Wiskott-Aldrich syndrome	1:100.000 - 1:200.000
WDR19	NM_001317924	Asphyxiating thoracic dystrophy, cranioectodermal dysplasia, Nephronophthisis, Retinitis pigmentosa, Senior-Løken syndrome	1:3.500 - 1:15.000

WDR62	NM_001083961.1	Microcephaly primary, type 2, autosomal recessive	1:30.000 - 1:250.000
WFS1	NM_006005.3	Wolfram syndrome	1:500.000
WNT10A	NM_025216.2	Hypohidrotic ectodermal dysplasia, autosomal recessive, Odontoonychodermal dysplasia	1:50.000 - 1:100.000
WT1	NM_000378	Congenital nephrotic syndrome, Denys-Drash syndrome, Frasier syndrome	1:100.000
ZFYVE26	NM_015346.3	Spastic paraplegia type 15, autosomal recessive	1:10.000 - 1:100.000
ZNF423	NM_015069	Joubert syndrome 19, Nephronophthisis 14	Unknown

ΕΠΙΛΕΓΜΕΝΗ ΒΙΒΛΙΟΓΡΑΦΙΑ