

GeDiPNet Cluster 26 -- Top Shared Genes

Curated genes (disease_gdp) linked to 2 or more of this cluster's member diseases, most widely shared first. Data as of: 2026-10-07 03:15:01. · Rows: 31 · Generated: 2026-10-07 16:33:16

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
ATP8	9	19	Bicuspid aortic valve; Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Optic neuropathy; Periodic paralysis with later-onset distal motor neuropathy; Postaxial polydactyly; Rod-cone dystrophy
ND4	9	19	Cleft palate and bilateral cleft lip; Congenital cardiomyopathy; Developmental delay; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Optic neuropathy; Postaxial polydactyly; Rod-cone dystrophy
ND5	9	19	Cleft palate and bilateral cleft lip; Congenital cardiomyopathy; Developmental delay; Leber hereditary optic neuropathy; Melas syndrome; Myoclonic epilepsy with ragged red fibers; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
ATP6	8	19	Bicuspid aortic valve; Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Optic neuropathy; Postaxial polydactyly; Rod-cone dystrophy
COX3	7	19	Cleft palate and bilateral cleft lip; Developmental delay; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
ND1	7	19	Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Optic neuropathy; Postaxial polydactyly; Rod-cone dystrophy
ND2	7	19	Cleft palate and bilateral cleft lip; Developmental delay; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
COX1	6	19	Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
COX2	6	19	Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
ND3	6	19	Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Melas syndrome; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
IL1A	5	19	Leber hereditary optic neuropathy; Melas syndrome; Mitochondrial myopathy; Myoclonic epilepsy with ragged red fibers; Progressive external ophthalmoplegia
IL1B	5	19	Leber hereditary optic neuropathy; Melas syndrome; Mitochondrial myopathy; Myoclonic epilepsy with ragged red fibers; Progressive external ophthalmoplegia
ND4L	5	19	Cleft palate and bilateral cleft lip; Leber hereditary optic neuropathy; Neuropathy, ataxia, and retinitis pigmentosa; Postaxial polydactyly; Rod-cone dystrophy
CYTB	4	19	Developmental delay; Leber hereditary optic neuropathy; Melas syndrome; Mitochondrial myopathy
RRM2B	3	19	Mitochondrial myopathy; Progressive external ophthalmoplegia; Rod-cone dystrophy
SOD2	3	19	Leber hereditary optic neuropathy; Melas syndrome; Progressive external ophthalmoplegia
BBIP1	2	19	Postaxial polydactyly; Rod-cone dystrophy
CSF3	2	19	Optic neuropathy; Stomatitis
FBXW7	2	19	Developmental delay; Developmental delay with hypotonia and impaired language
IFNA2	2	19	Optic neuropathy; Stomatitis
LMBRD2	2	19	Developmental delay; Developmental delay with variable neurological abnormalities
LRAT	2	19	Leber hereditary optic neuropathy; Rod-cone dystrophy
ND6	2	19	Leber hereditary optic neuropathy; Melas syndrome
PIGL	2	19	Cleft palate and bilateral cleft lip; Postaxial polydactyly
POLG	2	19	Melas syndrome; Progressive external ophthalmoplegia
ROBO4	2	19	aortic valve disease 3; Bicuspid aortic valve

Gene	Member Diseases Linked	Cluster Size	Linked Diseases
RPE65	2	19	Leber hereditary optic neuropathy; Rod-cone dystrophy
SETD1B	2	19	Developmental delay; Intellectual developmental disorder seizures language
SLC25A4	2	19	Mitochondrial myopathy; Progressive external ophthalmoplegia
SOD1	2	19	Melas syndrome; Progressive external ophthalmoplegia
TK2	2	19	Mitochondrial myopathy; Progressive external ophthalmoplegia