

GeDiPNet Cluster 6 -- Pairs Within Cluster

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected across all tested pairs. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-08 03:00:13. · Rows: 84 · Generated: 2026-10-08 03:34:23

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Optic atrophy	Retinitis pigmentosa	0.35859	142	1.969e-207	8.074e-205
Leber congenital amaurosis	Retinitis pigmentosa	0.17534	64	5.547e-98	6.044e-96
Cone-rod dystrophy	Retinitis pigmentosa	0.17439	64	3.206e-96	3.336e-94
Cone dystrophy	Retinitis pigmentosa	0.10335	37	1.642e-60	1.013e-58
Macular dystrophy	Retinitis pigmentosa	0.10773	39	1.860e-59	1.135e-57
Cone-rod dystrophy	Optic atrophy	0.17431	38	9.094e-55	5.155e-53
Leber congenital amaurosis	Optic atrophy	0.16514	36	2.664e-51	1.436e-49
Cone-rod dystrophy	Macular dystrophy	0.27957	26	3.547e-51	1.907e-49
Cone dystrophy	Cone-rod dystrophy	0.28409	25	5.937e-51	3.168e-49
Cone-rod dystrophy	Leber congenital amaurosis	0.20492	25	1.507e-41	6.583e-40
Cone dystrophy	Optic atrophy	0.11675	23	1.298e-35	4.796e-34
Cone-rod dystrophy	Stargardt disease	0.18391	16	4.140e-31	1.308e-29
Leber congenital amaurosis	Macular dystrophy	0.17000	17	1.982e-29	5.923e-28
Macular dystrophy	Optic atrophy	0.09709	20	1.196e-27	3.349e-26
Cone dystrophy	Macular dystrophy	0.20290	14	2.215e-27	6.105e-26
Macular dystrophy	Stargardt disease	0.19672	12	1.685e-24	3.991e-23
Cone dystrophy	Leber congenital amaurosis	0.14433	14	5.528e-24	1.278e-22
Leber congenital amaurosis	Stargardt disease	0.14773	13	5.758e-24	1.328e-22
Cone-rod dystrophy	Nystagmus	0.09259	10	5.904e-15	8.441e-14
Cone-rod dystrophy	Retinal degeneration	0.08738	9	9.238e-14	1.201e-12
Cone dystrophy	Stargardt disease	0.11667	7	3.541e-13	4.475e-12
Leber congenital amaurosis	Retinal degeneration	0.07843	8	5.305e-12	6.002e-11
Leber congenital amaurosis	Nystagmus	0.07407	8	1.949e-11	2.095e-10
Cone dystrophy	Nystagmus	0.07895	6	8.519e-10	7.792e-9
Retinal degeneration	Stargardt disease	0.06452	4	5.542e-7	3.416e-6
PCARE-related retinopathy	Stargardt disease	0.03448	1	1.818e-3	2.675e-3
CERKL-related retinopathy	Stargardt disease	0.03448	1	1.818e-3	2.675e-3
cone-rod dystrophy 2	Stargardt disease	0.03448	1	1.818e-3	2.675e-3
Corneal degeneration	Stargardt disease	0.03448	1	1.818e-3	2.675e-3
leber congenital amaurosis 15	Stargardt disease	0.03448	1	1.818e-3	2.675e-3

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
SNRNP200-related dominant retinopathy	Stargardt disease	0.03448	1	1.818e-3	2.675e-3
Retinal degeneration	retinitis pigmentosa 27	0.02632	1	2.403e-3	3.312e-3
Retinal degeneration	Uridine-cytidineuria	0.02632	1	2.403e-3	3.312e-3
cone-rod dystrophy 2	Retinal degeneration	0.02632	1	2.403e-3	3.312e-3
Cone dystrophy	PHARC syndrome	0.02564	1	2.468e-3	3.370e-3
Cone dystrophy	RAB28-related retinopathy	0.02564	1	2.468e-3	3.370e-3
CERKL-related retinopathy	Cone dystrophy	0.02564	1	2.468e-3	3.370e-3
BBS5-related ciliopathy	Cone dystrophy	0.02564	1	2.468e-3	3.370e-3
Cone dystrophy	retinitis pigmentosa 65	0.02564	1	2.468e-3	3.370e-3
CNGA1-related retinopathy	Macular dystrophy	0.02222	1	2.858e-3	3.805e-3
CERKL-related retinopathy	Macular dystrophy	0.02222	1	2.858e-3	3.805e-3
Macular dystrophy	retinitis pigmentosa 65	0.02222	1	2.858e-3	3.805e-3
cone-rod dystrophy 2	Macular dystrophy	0.02222	1	2.858e-3	3.805e-3
macular corneal dystrophy	Macular dystrophy	0.02222	1	2.858e-3	3.805e-3
Leber congenital amaurosis	retinitis pigmentosa 65	0.01370	1	4.676e-3	5.786e-3
cone-rod dystrophy 2	Leber congenital amaurosis	0.01370	1	4.676e-3	5.786e-3
foveal hypoplasia - optic nerve decussation defect - anterior segment dysgenesis syndrome	Leber congenital amaurosis	0.01370	1	4.676e-3	5.786e-3
Leber congenital amaurosis	TUBB4B-related ciliopathy	0.01370	1	4.676e-3	5.786e-3
Leber congenital amaurosis	PRPF31-related retinopathy	0.01370	1	4.676e-3	5.786e-3
Leber congenital amaurosis	leber congenital amaurosis 15	0.01370	1	4.676e-3	5.786e-3
Acyl-coa binding domain containing protein 5 deficiency	Cone-rod dystrophy	0.01333	1	4.806e-3	5.921e-3
Cone-rod dystrophy	retinitis pigmentosa 65	0.01333	1	4.806e-3	5.921e-3
Cone-rod dystrophy	RAB28-related retinopathy	0.01333	1	4.806e-3	5.921e-3
Cone-rod dystrophy	PCARE-related retinopathy	0.01333	1	4.806e-3	5.921e-3
CNGA1-related retinopathy	Cone-rod dystrophy	0.01333	1	4.806e-3	5.921e-3
CERKL-related retinopathy	Cone-rod dystrophy	0.01333	1	4.806e-3	5.921e-3
Optic atrophy	retinitis pigmentosa 86	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	PHARC syndrome	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	retinitis pigmentosa 65	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	PCARE-related retinopathy	0.00549	1	1.175e-2	1.316e-2
IDH3B-related retinopathy	Optic atrophy	0.00549	1	1.175e-2	1.316e-2
CNGA1-related retinopathy	Optic atrophy	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	RAB28-related retinopathy	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	ornithine aminotransferase deficiency	0.00549	1	1.175e-2	1.316e-2

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Optic atrophy	optic atrophy 15	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	optic atrophy 11	0.00549	1	1.175e-2	1.316e-2
autosomal recessive optic atrophy, OPA7 type	Optic atrophy	0.00549	1	1.175e-2	1.316e-2
Optic atrophy	retinitis pigmentosa 9	0.00549	1	1.175e-2	1.316e-2
Alzahrani-kuwahara syndrome	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
Retinitis pigmentosa	retinitis pigmentosa 9	0.00280	1	2.312e-2	2.494e-2
Retinitis pigmentosa	retinitis pigmentosa 27	0.00280	1	2.312e-2	2.494e-2
Retinitis pigmentosa	SNRNP200-related dominant retinopathy	0.00280	1	2.312e-2	2.494e-2
Acyl-coa binding domain containing protein 5 deficiency	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
Retinitis pigmentosa	TUBB4B-related ciliopathy	0.00280	1	2.312e-2	2.494e-2
IDH3B-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
Retinitis pigmentosa	retinitis pigmentosa 86	0.00280	1	2.312e-2	2.494e-2
PDE6G-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
autosomal recessive optic atrophy, OPA7 type	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
BBS5-related ciliopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
RAB28-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
ornithine aminotransferase deficiency	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
PRPF31-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
PHARC syndrome	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2
PCARE-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.494e-2