

GeDiPNet Cluster 7 -- 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: 2026-10-07 03:00:13. · Rows: 82 · Generated: 2026-10-07 08:26:00

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Optic atrophy	Retinitis pigmentosa	0.35859	142	1.969e-207	8.507e-205
Leber congenital amaurosis	Retinitis pigmentosa	0.17534	64	5.547e-98	6.367e-96
Cone-rod dystrophy	Retinitis pigmentosa	0.17439	64	3.206e-96	3.515e-94
Cone dystrophy	Retinitis pigmentosa	0.10335	37	1.642e-60	1.068e-58
Macular dystrophy	Retinitis pigmentosa	0.10773	39	1.860e-59	1.195e-57
Cone-rod dystrophy	Optic atrophy	0.17431	38	9.094e-55	5.432e-53
Leber congenital amaurosis	Optic atrophy	0.16514	36	2.664e-51	1.513e-49
Cone-rod dystrophy	Macular dystrophy	0.27957	26	3.547e-51	2.009e-49
Cone dystrophy	Cone-rod dystrophy	0.28409	25	5.937e-51	3.338e-49
Cone-rod dystrophy	Leber congenital amaurosis	0.20492	25	1.507e-41	6.936e-40
Cone dystrophy	Optic atrophy	0.11675	23	1.298e-35	5.053e-34
Cone-rod dystrophy	Stargardt disease	0.18391	16	4.140e-31	1.378e-29
Leber congenital amaurosis	Macular dystrophy	0.17000	17	1.982e-29	6.240e-28
Macular dystrophy	Optic atrophy	0.09709	20	1.196e-27	3.528e-26
Cone dystrophy	Macular dystrophy	0.20290	14	2.215e-27	6.432e-26
Macular dystrophy	Stargardt disease	0.19672	12	1.685e-24	4.205e-23
Cone dystrophy	Leber congenital amaurosis	0.14433	14	5.528e-24	1.346e-22
Leber congenital amaurosis	Stargardt disease	0.14773	13	5.758e-24	1.399e-22
Cone-rod dystrophy	Nystagmus	0.09259	10	5.904e-15	8.893e-14
Cone-rod dystrophy	Retinal degeneration	0.08738	9	9.238e-14	1.265e-12
Cone dystrophy	Stargardt disease	0.11667	7	3.541e-13	4.715e-12
Leber congenital amaurosis	Retinal degeneration	0.07843	8	5.305e-12	6.323e-11
Leber congenital amaurosis	Nystagmus	0.07407	8	1.949e-11	2.207e-10
Cone dystrophy	Nystagmus	0.07895	6	8.519e-10	8.209e-9
Retinal degeneration	Stargardt disease	0.06452	4	5.542e-7	3.597e-6
PCARE-related retinopathy	Stargardt disease	0.03448	1	1.818e-3	2.662e-3
leber congenital amaurosis 15	Stargardt disease	0.03448	1	1.818e-3	2.662e-3
SNRNP200-related dominant retinopathy	Stargardt disease	0.03448	1	1.818e-3	2.662e-3
CERKL-related retinopathy	Stargardt disease	0.03448	1	1.818e-3	2.662e-3
Corneal degeneration	Stargardt disease	0.03448	1	1.818e-3	2.662e-3

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
cone-rod dystrophy 2	Stargardt disease	0.03448	1	1.818e-3	2.662e-3
Retinal degeneration	retinitis pigmentosa 27	0.02632	1	2.403e-3	3.301e-3
Retinal degeneration	Uridine-cytidineuria	0.02632	1	2.403e-3	3.301e-3
cone-rod dystrophy 2	Retinal degeneration	0.02632	1	2.403e-3	3.301e-3
Cone dystrophy	retinitis pigmentosa 65	0.02564	1	2.468e-3	3.358e-3
BBS5-related ciliopathy	Cone dystrophy	0.02564	1	2.468e-3	3.358e-3
CERKL-related retinopathy	Cone dystrophy	0.02564	1	2.468e-3	3.358e-3
Cone dystrophy	RAB28-related retinopathy	0.02564	1	2.468e-3	3.358e-3
Cone dystrophy	PHARC syndrome	0.02564	1	2.468e-3	3.358e-3
macular corneal dystrophy	Macular dystrophy	0.02222	1	2.858e-3	3.796e-3
Macular dystrophy	retinitis pigmentosa 65	0.02222	1	2.858e-3	3.796e-3
cone-rod dystrophy 2	Macular dystrophy	0.02222	1	2.858e-3	3.796e-3
CERKL-related retinopathy	Macular dystrophy	0.02222	1	2.858e-3	3.796e-3
CNGA1-related retinopathy	Macular dystrophy	0.02222	1	2.858e-3	3.796e-3
Leber congenital amaurosis	leber congenital amaurosis 15	0.01370	1	4.676e-3	5.784e-3
Leber congenital amaurosis	TUBB4B-related ciliopathy	0.01370	1	4.676e-3	5.784e-3
Leber congenital amaurosis	retinitis pigmentosa 65	0.01370	1	4.676e-3	5.784e-3
Leber congenital amaurosis	PRPF31-related retinopathy	0.01370	1	4.676e-3	5.784e-3
foveal hypoplasia - optic nerve decussation defect - anterior segment dysgenesis syndrome	Leber congenital amaurosis	0.01370	1	4.676e-3	5.784e-3
cone-rod dystrophy 2	Leber congenital amaurosis	0.01370	1	4.676e-3	5.784e-3
Cone-rod dystrophy	PCARE-related retinopathy	0.01333	1	4.806e-3	5.919e-3
Cone-rod dystrophy	retinitis pigmentosa 65	0.01333	1	4.806e-3	5.919e-3
Cone-rod dystrophy	RAB28-related retinopathy	0.01333	1	4.806e-3	5.919e-3
CNGA1-related retinopathy	Cone-rod dystrophy	0.01333	1	4.806e-3	5.919e-3
CERKL-related retinopathy	Cone-rod dystrophy	0.01333	1	4.806e-3	5.919e-3
Optic atrophy	PCARE-related retinopathy	0.00549	1	1.175e-2	1.317e-2
autosomal recessive optic atrophy, OPA7 type	Optic atrophy	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	retinitis pigmentosa 9	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	retinitis pigmentosa 86	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	retinitis pigmentosa 65	0.00549	1	1.175e-2	1.317e-2
IDH3B-related retinopathy	Optic atrophy	0.00549	1	1.175e-2	1.317e-2
CNGA1-related retinopathy	Optic atrophy	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	RAB28-related retinopathy	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	optic atrophy 15	0.00549	1	1.175e-2	1.317e-2

Disease A	Disease B	Similarity Score	Shared Genes	P-value	FDR Q-value
Optic atrophy	ornithine aminotransferase deficiency	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	PHARC syndrome	0.00549	1	1.175e-2	1.317e-2
Optic atrophy	optic atrophy 11	0.00549	1	1.175e-2	1.317e-2
ornithine aminotransferase deficiency	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
Alzahrani-kuwahara syndrome	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
Retinitis pigmentosa	TUBB4B-related ciliopathy	0.00280	1	2.312e-2	2.496e-2
IDH3B-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
PCARE-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
Retinitis pigmentosa	SNRNP200-related dominant retinopathy	0.00280	1	2.312e-2	2.496e-2
autosomal recessive optic atrophy, OPA7 type	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
Retinitis pigmentosa	retinitis pigmentosa 9	0.00280	1	2.312e-2	2.496e-2
PDE6G-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
Retinitis pigmentosa	retinitis pigmentosa 86	0.00280	1	2.312e-2	2.496e-2
PHARC syndrome	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
PRPF31-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
Retinitis pigmentosa	retinitis pigmentosa 27	0.00280	1	2.312e-2	2.496e-2
BBS5-related ciliopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2
RAB28-related retinopathy	Retinitis pigmentosa	0.00280	1	2.312e-2	2.496e-2