

GeDiPNet Shared-Gene Disease Pairs

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test ($P(X \geq k)$), Benjamini-Hochberg FDR-corrected across all tested pairs. Corroborated Shared Genes: count of shared genes backed by ≥ 2 distinct disease_gdp.main_source values combined across both diseases (e.g. GWAS-backed for one, ClinVar-backed for the other still counts); Shared Gene Names lists each gene's own source count in parentheses. Overlap Coefficient: shared genes / MIN(each disease's own total gene count) -- complements the Jaccard-based Similarity Score by showing how much of the SMALLER disease's entire known gene-set is covered by this pair, which Jaccard (dividing by the union) can understate. Shared Cluster: cluster id if both diseases fall in the same label-propagation cluster (scripts/build_disease_clusters.php), blank otherwise. See scripts/build_related.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-11 03:00:14. Filters applied: disease name contains "Anaplastic oligodendroglioma" (8 matching pairs). · Rows: 8 · Generated: 2026-10-11 13:40:54

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Anaplastic oligoastrocytoma	Anaplastic oligodendroglioma	1	0	IDH2 (1)	0.33333	1.00000	1.299e-4	3.931e-4	304
Anaplastic oligodendroglioma	Gemistocytic astrocytoma	1	0	IDH2 (1)	0.33333	1.00000	1.299e-4	3.931e-4	304
Anaplastic oligodendroglioma	Congenital chromosomal disease	1	1	POT1 (2)	0.33333	1.00000	1.299e-4	3.931e-4	304
Anaplastic astrocytoma	Anaplastic oligodendroglioma	1	0	IDH2 (1)	0.25000	0.50000	2.598e-4	6.509e-4	304
Anaplastic oligodendroglioma	Central nervous system disease	1	1	IDH2 (2)	0.16667	0.50000	5.195e-4	1.061e-3	
Anaplastic oligodendroglioma	Cerebroretinal microangiopathy with calcifications and cysts	1	1	POT1 (5)	0.16667	0.50000	5.195e-4	1.061e-3	
Anaplastic oligodendroglioma	Combined d-2- and l-2-hydroxyglutaric aciduria	1	1	IDH2 (2)	0.16667	0.50000	5.195e-4	1.061e-3	
Anaplastic oligodendroglioma	D-2-hydroxyglutaric aciduria	1	1	IDH2 (5)	0.16667	0.50000	5.195e-4	1.061e-3	