

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: 2026-10-09 03:00:13. Filters applied: disease name contains "DHDDS-CDG" (5 matching pairs). · Rows: 5 · Generated: 2026-10-09 15:16:44

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Alzheimer disease	DHDDS-CDG	1	1	DHDDS (2)	0.00045	1.00000	1.440e-1	1.450e-1	
DHDDS-CDG	Retinitis pigmentosa	1	1	DHDDS (7)	0.00280	1.00000	2.312e-2	2.493e-2	
Developmental and epileptic encephalopathy	DHDDS-CDG	1	1	DHDDS (4)	0.00452	1.00000	1.429e-2	1.587e-2	
Congenital disorder of glycosylation	DHDDS-CDG	1	1	DHDDS (2)	0.01000	1.00000	6.429e-3	7.680e-3	
Developmental delay and seizures	DHDDS-CDG	1	1	DHDDS (5)	0.50000	1.00000	6.494e-5	2.329e-4	