

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 "Lymphatic system disease" (5 matching pairs). · Rows: 5 · Generated: 2026-10-09 18:04:52

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Lymphatic system disease	Rolandic epilepsy	1	0	PTPRM (1)	0.02041	0.50000	6.096e-3	7.329e-3	
Lymphatic system disease	Temporal lobe epilepsy	1	1	SLC12A2 (3)	0.02857	0.50000	4.282e-3	5.381e-3	
Lymphatic system disease	Uterine prolapse	1	0	SLC12A2 (1)	0.05882	0.50000	1.947e-3	2.827e-3	
Carcinoid tumor	Lymphatic system disease	1	0	SLC12A2 (1)	0.16667	0.50000	5.195e-4	1.060e-3	
Delpire-mcneill syndrome	Lymphatic system disease	1	1	SLC12A2 (5)	0.33333	1.00000	1.299e-4	3.929e-4	