

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 "membranoproliferative glomerulonephritis" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 02:16:34

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Kidney disease	membranoproliferative glomerulonephritis	1	1	DGKE (2)	0.00235	1.00000	2.760e-2	2.941e-2	
membranoproliferative glomerulonephritis	Nephrotic syndrome	1	1	DGKE (4)	0.00599	1.00000	1.078e-2	1.215e-2	
Hemolytic uremic syndrome	membranoproliferative glomerulonephritis	1	1	DGKE (5)	0.02941	1.00000	2.143e-3	3.044e-3	
membranoproliferative glomerulonephritis	Mesangiocapillary glomerulonephritis	1	1	DGKE (2)	0.11111	1.00000	5.195e-4	1.061e-3	
atypical hemolytic-uremic syndrome with DGKE deficiency	membranoproliferative glomerulonephritis	1	0	DGKE (1)	0.50000	1.00000	6.494e-5	2.331e-4	