

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 "glycogen storage disease II" (10 matching pairs). · Rows: 10 · Generated: 2026-10-11 07:14:50

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
glycogen storage disease II	Glycoprotein storage disease	1	1	GAA (2)	0.50000	1.00000	6.494e-5	2.331e-4	
glycogen storage disease II	Membranous glomerulonephritis	1	1	GAA (2)	0.03125	1.00000	2.013e-3	2.901e-3	
Glycogen storage disease	glycogen storage disease II	1	1	GAA (7)	0.02632	1.00000	2.403e-3	3.313e-3	
Glycogen storage disease	glycogen storage disease III	1	1	AGL (7)	0.02632	1.00000	2.403e-3	3.313e-3	148
glycogen storage disease II	Ventricular dysfunction	1	1	GAA (2)	0.02128	1.00000	2.987e-3	3.949e-3	
glycogen storage disease II	Hypertrophy	1	1	GAA (2)	0.02000	1.00000	3.182e-3	4.168e-3	
glycogen storage disease III	Meniere disease	1	1	AGL (2)	0.01471	1.00000	4.351e-3	5.456e-3	
Atherosclerosis	glycogen storage disease III	1	1	AGL (2)	0.00833	1.00000	7.728e-3	9.016e-3	
glycogen storage disease III	Kidney disease	1	1	AGL (2)	0.00235	1.00000	2.760e-2	2.941e-2	
Bipolar disorder	glycogen storage disease III	1	1	AGL (2)	0.00082	1.00000	7.923e-2	8.034e-2	