

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 "Iminoglycinuria" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 06:17:30

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Glycinuria with/without oxalate urolithiasis	Iminoglycinuria	4	3	SLC36A1 (1), SLC36A2 (6), SLC6A19 (2), SLC6A20 (3)	0.66667	1.00000	2.135e-15	3.121e-14	
Hyperglycinuria	Iminoglycinuria	3	3	SLC36A2 (6), SLC6A19 (3), SLC6A20 (4)	0.50000	1.00000	1.644e-11	1.771e-10	
hartnup disease	Iminoglycinuria	1	1	SLC6A19 (3)	0.16667	1.00000	3.247e-4	7.709e-4	
Iminoglycinuria	Macular telangiectasia	1	1	SLC6A20 (4)	0.05000	0.20000	4.862e-3	5.987e-3	
Iminoglycinuria	Triple negative breast cancer	1	1	SLC6A18 (2)	0.02564	0.20000	1.099e-2	1.238e-2	