

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 "Tropical calcific pancreatitis" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 04:59:18

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Tropical calcific pancreatitis	Venous thromboembolism	1	1	SPINK1 (6)	0.00291	0.50000	4.393e-2	4.573e-2	
Diabetes mellitus	Tropical calcific pancreatitis	1	1	SPINK1 (5)	0.00336	0.50000	3.808e-2	3.993e-2	
Pancreatic neoplasms	Tropical calcific pancreatitis	1	1	SPINK1 (5)	0.00840	0.50000	1.514e-2	1.675e-2	
Pancreatitis	Tropical calcific pancreatitis	2	2	CTRC (4), SPINK1 (6)	0.03448	1.00000	1.346e-5	6.544e-5	
Hereditary chronic pancreatitis	Tropical calcific pancreatitis	2	2	CTRC (2), SPINK1 (5)	0.22222	1.00000	2.362e-7	1.551e-6	