

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 "Interstitial nephritis" (9 matching pairs). · Rows: 9 · Generated: 2026-10-11 11:37:52

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Huntington disease	Interstitial nephritis	2	2	FAN1 (4), MTMR10 (2)	0.03226	1.00000	1.544e-5	7.431e-5	
Interstitial nephritis	karyomegalic interstitial nephritis	1	1	FAN1 (4)	0.33333	1.00000	1.299e-4	3.931e-4	
hereditary nonpolyposis colon cancer	karyomegalic interstitial nephritis	1	0	FAN1 (1)	0.11111	1.00000	5.195e-4	1.061e-3	
hereditary nonpolyposis colon cancer	Interstitial nephritis	1	1	FAN1 (4)	0.10000	0.50000	1.039e-3	1.739e-3	
Hypertriglyceridemia	karyomegalic interstitial nephritis	1	1	FAN1 (2)	0.03448	1.00000	1.818e-3	2.677e-3	
karyomegalic interstitial nephritis	Lynch syndrome	1	1	FAN1 (3)	0.02000	1.00000	3.182e-3	4.168e-3	
Hypertriglyceridemia	Interstitial nephritis	1	1	FAN1 (4)	0.03333	0.50000	3.634e-3	4.667e-3	
Huntington disease	karyomegalic interstitial nephritis	1	1	FAN1 (2)	0.01613	1.00000	3.962e-3	5.015e-3	
Interstitial nephritis	Lynch syndrome	1	1	FAN1 (5)	0.01961	0.50000	6.355e-3	7.624e-3	