

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: 2026-10-12 03:00:13. Filters applied: disease name contains "Navajo neurohepatopathy" (5 matching pairs). · Rows: 5 · Generated: 2026-10-12 09:39:48

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Charcot-marie-tooth disease	Navajo neurohepatopathy	3	1	UCN (1), MPV17 (6), TRIM54 (1)	0.02256	1.00000	6.159e-7	3.756e-6	
Cochlear diseases	Navajo neurohepatopathy	1	1	MPV17 (3)	0.20000	0.50000	3.896e-4	8.665e-4	
Mitochondrial dna depletion syndrome	Navajo neurohepatopathy	1	1	MPV17 (5)	0.03125	0.33333	5.640e-3	6.850e-3	
Navajo neurohepatopathy	Proteinuria	1	1	MPV17 (3)	0.02222	0.33333	8.161e-3	9.472e-3	
Focal glomerulosclerosis	Navajo neurohepatopathy	1	1	MPV17 (3)	0.01667	0.33333	1.106e-2	1.245e-2	