

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 "Hennekam syndrome" (6 matching pairs). · Rows: 6 · Generated: 2026-10-11 13:05:28

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Bone remodeling disease	Hennekam syndrome	1	1	CCBE1 (6)	0.06667	0.33333	2.336e-3	3.243e-3	
Corneal ulcer	Hennekam syndrome	1	1	CCBE1 (6)	0.08333	0.33333	1.753e-3	2.609e-3	
Distal renal tubular acidosis	Hennekam syndrome	1	1	CCBE1 (5)	0.08333	0.33333	1.753e-3	2.609e-3	
Cerebrofacioarticular syndrome	Hennekam syndrome	1	1	FAT4 (5)	0.20000	0.50000	3.896e-4	8.665e-4	
Hennekam syndrome	Van maldergem syndrome	1	1	FAT4 (6)	0.20000	0.50000	3.896e-4	8.665e-4	
FAT4-related neurodevelopmental disorder	Hennekam syndrome	1	1	FAT4 (6)	0.25000	1.00000	1.948e-4	5.354e-4	