

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 "Uncombable hair syndrome" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 13:05:30

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Biliary tract cancer	Uncombable hair syndrome	1	1	TGM3 (6)	0.00826	0.33333	2.282e-2	2.469e-2	
Skin cancer	Uncombable hair syndrome	1	1	TGM3 (6)	0.01163	0.33333	1.608e-2	1.772e-2	
Keratinocyte carcinoma	Uncombable hair syndrome	1	1	TGM3 (6)	0.01250	0.33333	1.493e-2	1.655e-2	
Inflammatory skin disease	Uncombable hair syndrome	1	1	TGM3 (6)	0.01266	0.33333	1.474e-2	1.635e-2	
Central centrifugal cicatricial alopecia	Uncombable hair syndrome	1	1	PADI3 (6)	0.25000	1.00000	1.948e-4	5.354e-4	