

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: 2026-10-10 03:00:13. Filters applied: disease name contains "ectodermal dysplasia WNT10A related" (5 matching pairs). · Rows: 5 · Generated: 2026-10-10 16:35:42

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
ectodermal dysplasia WNT10A related	Tooth agenesis	1	1	WNT10A (8)	0.02381	1.00000	2.663e-3	3.596e-3	
Ectodermal dysplasia	ectodermal dysplasia WNT10A related	1	1	WNT10A (2)	0.03030	1.00000	2.078e-3	2.969e-3	
Bladder exstrophy and epispadias complex	ectodermal dysplasia WNT10A related	1	1	WNT10A (2)	0.03571	1.00000	1.753e-3	2.609e-3	
ectodermal dysplasia WNT10A related	Hypohidrotic ectodermal dysplasia	1	1	WNT10A (3)	0.12500	1.00000	4.546e-4	9.726e-4	
ectodermal dysplasia WNT10A related	Schopf-schulz-passarge syndrome	1	1	WNT10A (4)	0.50000	1.00000	6.494e-5	2.331e-4	