

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: 2026-10-09 03:00:13. Filters applied: disease name contains "Split hand-foot malformation" (9 matching pairs). · Rows: 9 · Generated: 2026-10-09 15:41:11

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Ectrodactyly	Split hand-foot malformation	7	6	TP63 (7), DLX5 (7), MAP3K20 (6), EPS15L1 (2), DLX6 (1), WNT10B (5), FBXW4 (2)	0.58333	0.87500	2.360e-23	5.263e-22	
Camptosynpolydactyly	Split hand-foot malformation	1	1	BHLHA9 (6)	0.11111	1.00000	5.195e-4	1.060e-3	
Congenital cleft hand	Split hand-foot malformation	1	1	DLX5 (7)	0.11111	1.00000	5.195e-4	1.060e-3	
Gollop-wolfgang complex	Split hand-foot malformation	1	1	BHLHA9 (3)	0.11111	1.00000	5.195e-4	1.060e-3	
myopathy, centronuclear, 6, with fiber-type disproportion	Split hand-foot malformation	1	1	MAP3K20 (7)	0.11111	1.00000	5.195e-4	1.060e-3	
Acro-dermo-ungual-lacrima-tooth syndrome	Split hand-foot malformation	1	1	TP63 (5)	0.11111	1.00000	5.195e-4	1.060e-3	
Ankyloblepharon-ectodermal defects-cleft lip/palate	Split hand-foot malformation	1	1	TP63 (6)	0.11111	1.00000	5.195e-4	1.060e-3	
Limb-mammary syndrome	Split hand-foot malformation	1	1	TP63 (5)	0.11111	1.00000	5.195e-4	1.060e-3	
Rudiger syndrome	Split hand-foot malformation	1	1	TP63 (5)	0.11111	1.00000	5.195e-4	1.060e-3	