GeDiPNet Shared-Gene Disease Pairs

Similarity: Jaccard index on shared curated genes (disease_gdp). Significance: upper-tail hypergeometric test (P(X>=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 "Focal facial dermal dysplasia" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 21:32:40

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Focal facial dermal dysplasia	Sjogren syndrome	1	1	TWIST2 (6)	0.01370	0.50000	9.201e-3	1.051e-2	
Dry eye syndrome	Focal facial dermal dysplasia	1	1	TWIST2 (6)	0.01695	0.50000	7.390e-3	8.700e-3	
Ablepharon macrostomia syndrome	Focal facial dermal dysplasia	1	1	TWIST2 (5)	0.33333	1.00000	1.299e-4	3.931e-4	
Barber-say syndrome	Focal facial dermal dysplasia	1	1	TWIST2 (6)	0.33333	1.00000	1.299e-4	3.931e-4	
Congenital ectodermal dysplasia of face	Focal facial dermal dysplasia	1	1	TWIST2 (5)	0.33333	1.00000	1.299e-4	3.931e-4	