

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: 2026-10-12 03:00:13. Filters applied: disease name contains "Disseminated superficial actinic porokeratosis" (5 matching pairs). · Rows: 5 · Generated: 2026-10-12 05:45:55

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Disseminated superficial actinic porokeratosis	Porokeratosis	5	5	MVK (6), FDPS (7), SART3 (2), MVD (6), SLC17A9 (6)	0.62500	1.00000	2.913e-18	5.082e-17	
Disseminated superficial actinic porokeratosis	Hyper-igd syndrome	1	1	MVK (2)	0.16667	1.00000	3.247e-4	7.709e-4	
Arthralgia	Disseminated superficial actinic porokeratosis	1	1	MVK (2)	0.14286	0.50000	6.494e-4	1.241e-3	
Disseminated superficial actinic porokeratosis	Mevalonate kinase deficiency	1	1	MVK (3)	0.14286	0.50000	6.494e-4	1.241e-3	
Disseminated superficial actinic porokeratosis	Hyper-immunoglobulin d syndrome	1	1	MVK (3)	0.11111	0.25000	1.298e-3	2.063e-3	