

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 "Peeling skin syndrome" (14 matching pairs). · Rows: 14 · Generated: 2026-10-11 21:08:29

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Acral peeling skin syndrome	Lung cancer	1	1	TGM5 (2)	0.00154	0.50000	8.252e-2	8.366e-2	
Acral peeling skin syndrome	Glioblastoma	1	1	CSTA (2)	0.00164	0.50000	7.729e-2	7.858e-2	
Hypotrichosis	Peeling skin syndrome	1	1	CDSN (7)	0.04167	0.14286	7.704e-3	9.000e-3	
Cutaneous lupus erythematosus	Peeling skin syndrome	1	1	PSORS1C1 (2)	0.05556	0.14286	4.991e-3	6.120e-3	
Peeling skin syndrome with leukonychia and acral punctate keratoses	Vasculitis	1	1	CAST (6)	0.03226	0.50000	3.763e-3	4.809e-3	
Aneurysm	Peeling skin syndrome with leukonychia and acral punctate keratoses	1	1	CAST (7)	0.03448	0.50000	3.504e-3	4.517e-3	
Blood coagulation disorder	Peeling skin syndrome with leukonychia and acral punctate keratoses	1	1	CAST (7)	0.03846	0.50000	3.115e-3	4.096e-3	
Acral peeling skin syndrome	Nasopharyngeal carcinoma	1	1	CSTA (2)	0.04167	0.50000	2.856e-3	3.806e-3	
Acral peeling skin syndrome	Junctional epidermolysis bullosa	1	1	CSTA (3)	0.05000	0.50000	2.337e-3	3.243e-3	
Peeling skin syndrome with leukonychia and acral punctate keratoses	Pemphigus	1	1	CAST (6)	0.10000	0.50000	1.039e-3	1.739e-3	1
Peeling skin syndrome	Rheumatic disease	2	2	PSORS1C1 (2), CDSN (7)	0.10526	0.28571	1.379e-5	6.665e-5	
Hypotrichosis simplex	Peeling skin syndrome	2	1	PSORS1C1 (1), CDSN (7)	0.11111	0.28571	1.167e-5	5.715e-5	
Peeling skin syndrome with leukonychia and acral punctate keratoses	Uveitis	2	2	CAST (7), ERAP1 (2)	0.05882	1.00000	4.454e-6	2.335e-5	
Acral peeling skin syndrome	Peeling skin syndrome	2	2	CSTA (4), TGM5 (4)	0.25000	1.00000	1.772e-7	1.182e-6	