

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 "Stevens-johnson syndrome" (10 matching pairs). · Rows: 10 · Generated: 2026-10-10 15:06:41

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Stevens-johnson syndrome	Toxic epidermal necrolysis	37	3	LTBP3 (1), HLA-C (2), IKZF1 (3), SMC2 (1), SPMIP7 (1), UBE2K (1), UMAD1 (1), ZBTB20 (1), TAP2 (1), POU5F1 (1), ZNF423 (1), HLA-B (3)	0.46835	1.00000	4.095e-90	3.657e-88	
Psoriatic arthritis	Stevens-johnson syndrome	11	4	HLA-C (2), TAP2 (1), POU5F1 (1), HLA-DQB1 (2), HLA-B (4), MICA (1), MUC22 (1), NOS2 (3), SLC22A23 (1), HLA-F (1), BAG6 (1)	0.07801	0.15068	7.499e-14	9.785e-13	
Scleroderma	Stevens-johnson syndrome	6	6	TAP2 (2), CAV1 (2), HLA-DQB1 (2), CSF3 (2), PSORS1C1 (2), HLA-A (2)	0.05941	0.21429	4.790e-9	4.051e-8	
Exanthema	Stevens-johnson syndrome	4	4	HLA-B (3), VWF (2), C1QA (2), LBP (2)	0.04938	0.66667	9.068e-9	7.293e-8	
Sepsis	Stevens-johnson syndrome	6	5	CSF3 (2), IFNA2 (1), IFNG (2), NOS2 (2), MIF (2), LBP (2)	0.05607	0.17647	1.669e-8	1.313e-7	
C1q deficiency	Stevens-johnson syndrome	2	2	C1QA (5), C1QC (5)	0.02500	0.66667	7.575e-5	2.710e-4	
Dupuytren contracture	Stevens-johnson syndrome	5	2	ELMO1 (3), ZC3H12D (1), TAB2 (1), MAFB (1), NEDD4 (3)	0.03067	0.06410	8.723e-5	3.112e-4	
Intellectual developmental disorder cataracts myopathy	Stevens-johnson syndrome	1	1	ZBTB20 (2)	0.01266	1.00000	5.066e-3	6.202e-3	
primrose syndrome	Stevens-johnson syndrome	1	1	ZBTB20 (2)	0.01266	1.00000	5.066e-3	6.202e-3	
Stevens-johnson syndrome	systemic lupus erythematosus related to C1QA	1	1	C1QA (3)	0.01266	1.00000	5.066e-3	6.202e-3	