

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 "Hemophagocytic lymphohistiocytosis" (12 matching pairs). · Rows: 12 · Generated: 2026-10-11 04:59:33

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Developmental disorder	Hereditary hemophagocytic lymphohistiocytosis	1	1	STX11 (2)	0.05000	0.25000	4.150e-3	5.234e-3	
Carotid artery thrombosis	Hereditary hemophagocytic lymphohistiocytosis	1	1	STXBP2 (3)	0.10000	0.25000	1.558e-3	2.376e-3	
Hemophagocytic lymphohistiocytosis	Microvillus inclusion disease	1	1	STXBP2 (7)	0.09091	0.33333	1.558e-3	2.376e-3	
Congenital lactic acidosis	Hereditary hemophagocytic lymphohistiocytosis	1	1	STXBP2 (2)	0.12500	0.25000	1.039e-3	1.739e-3	
Hereditary hemophagocytic lymphohistiocytosis	Microvillus inclusion disease	1	1	STXBP2 (3)	0.14286	0.33333	7.792e-4	1.405e-3	
HAVCR2-related cancer predisposition	Hemophagocytic lymphohistiocytosis	1	1	HAVCR2 (3)	0.11111	1.00000	5.195e-4	1.061e-3	
Hemophagocytic lymphohistiocytosis	Reducing body myopathy	1	1	FHL1 (4)	0.11111	1.00000	5.195e-4	1.061e-3	
Hemophagocytic lymphohistiocytosis	Uruguay faciocardio-musculoskeletal syndrome	1	1	FHL1 (3)	0.11111	1.00000	5.195e-4	1.061e-3	
Hemophagocytic lymphohistiocytosis	X-linked scapuloperoneal muscular dystrophy	1	1	FHL1 (4)	0.11111	1.00000	5.195e-4	1.061e-3	
Autoinflammatory syndrome	Hemophagocytic lymphohistiocytosis	4	4	PRF1 (7), UNC13D (7), STX11 (6), STXBP2 (7)	0.09524	0.50000	1.961e-9	1.721e-8	
Autoinflammatory syndrome	Hereditary hemophagocytic lymphohistiocytosis	4	4	PRF1 (2), UNC13D (2), STX11 (2), STXBP2 (2)	0.10526	1.00000	2.821e-11	2.958e-10	
Hemophagocytic lymphohistiocytosis	Hereditary hemophagocytic lymphohistiocytosis	4	4	PRF1 (7), UNC13D (8), STX11 (6), STXBP2 (7)	0.44444	1.00000	2.990e-14	4.025e-13	