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: 2026-10-22 03:00:19. Filters applied: disease name contains "Warts, hypogammaglobulinemia, infections and myelokathexis syndrome" (5 matching pairs). · Rows: 5 · Generated: 2026-10-22 01:21:53

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Warts, hypogammaglobulinemia, infections and myelokathexis syndrome	Whim syndrome	1	1	CXCR4 (9)	0.33333	1.00000	1.291e-4	3.269e-4	
Nephrosclerosis	Warts, hypogammaglobulinemia, infections and myelokathexis syndrome	1	1	CXCR4 (3)	0.06667	1.00000	9.039e-4	1.411e-3	
Benign monoclonal gammopathy	Warts, hypogammaglobulinemia, infections and myelokathexis syndrome	1	0	CXCR4 (1)	0.05556	1.00000	1.098e-3	1.652e-3	
Severe congenital neutropenia	Warts, hypogammaglobulinemia, infections and myelokathexis syndrome	1	0	CXCR4 (1)	0.03846	1.00000	1.614e-3	2.265e-3	
Cd4+/cd56+ hematodermic neoplasm	Warts, hypogammaglobulinemia, infections and myelokathexis syndrome	1	0	CXCR4 (1)	0.02174	1.00000	2.905e-3	3.711e-3	