

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 "Congenital factor xiii deficiency" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 17:31:14

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Congenital factor xiii deficiency	Disseminated intravascular coagulation	1	1	F13A1 (3)	0.09091	0.50000	1.169e-3	1.895e-3	
Cholesteatoma	Congenital factor xiii deficiency	1	1	F13B (3)	0.14286	0.50000	6.494e-4	1.241e-3	
Coagulation factor deficiency syndrome	Congenital factor xiii deficiency	1	1	F13B (3)	0.25000	0.50000	2.598e-4	6.509e-4	
Congenital factor xiii deficiency	Venous thrombosis	2	2	F13A1 (3), F13B (2)	0.08696	1.00000	1.949e-6	1.087e-5	
Congenital factor xiii deficiency	Factor xiii deficiency	2	2	F13A1 (8), F13B (7)	0.66667	1.00000	8.436e-9	6.818e-8	