

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: 2026-10-12 03:00:13. Filters applied: disease name contains "Corticosteroid-binding globulin deficiency" (5 matching pairs). · Rows: 5 · Generated: 2026-10-12 10:09:17

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Corticosteroid-binding globulin deficiency	Major depressive disorder	1	1	SERPINA6 (6)	0.00051	1.00000	1.273e-1	1.284e-1	
Corticosteroid-binding globulin deficiency	Liver cirrhosis	1	1	SERPINA6 (6)	0.00377	1.00000	1.715e-2	1.880e-2	
Cholecystolithiasis	Corticosteroid-binding globulin deficiency	1	1	SERPINA6 (6)	0.00699	1.00000	9.222e-3	1.053e-2	
Corticosteroid-binding globulin deficiency	Fatty liver	1	1	SERPINA6 (6)	0.01064	1.00000	6.040e-3	7.267e-3	
Corticosteroid-binding globulin deficiency	Fatty liver, alcoholic	1	1	SERPINA6 (6)	0.01149	1.00000	5.585e-3	6.785e-3	