

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 "Body skin hyperlaxity" (5 matching pairs). · Rows: 5 · Generated: 2026-10-12 09:56:05

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Body skin hyperlaxity	Urolithiasis	1	1	GGCX (5)	0.01429	1.00000	4.481e-3	5.604e-3	
Body skin hyperlaxity	Pulmonary arterial hypertension	1	1	GGCX (6)	0.02174	1.00000	2.922e-3	3.876e-3	
Benign prostatic hyperplasia	Body skin hyperlaxity	1	1	GGCX (4)	0.02778	1.00000	2.273e-3	3.191e-3	
Blood coagulation disorder	Body skin hyperlaxity	1	1	GGCX (5)	0.04000	1.00000	1.559e-3	2.376e-3	
Body skin hyperlaxity	Combined deficiency of vitamin k-dependent clotting factors	1	1	GGCX (7)	0.25000	1.00000	1.948e-4	5.354e-4	