

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 "Hypotonia-cystinuria syndrome" (5 matching pairs). · Rows: 5 · Generated: 2026-10-11 23:49:48

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Cystine urolithiasis	Hypotonia-cystinuria syndrome	2	2	PREPL (2), SLC3A1 (2)	0.40000	0.66667	7.592e-8	5.413e-7	
Cystinuria	Hypotonia-cystinuria syndrome	2	2	PREPL (2), SLC3A1 (7)	0.33333	0.66667	1.518e-7	1.030e-6	
Developmental coordination disorder	Hypotonia-cystinuria syndrome	1	1	CAMKMT (2)	0.06667	0.33333	2.336e-3	3.243e-3	
Hypotonia-cystinuria syndrome	Motor skills disorder	1	1	CAMKMT (3)	0.06250	0.33333	2.531e-3	3.446e-3	
Hypotonia-cystinuria syndrome	Mitochondrial myopathy	1	1	CAMKMT (3)	0.05556	0.33333	2.920e-3	3.876e-3	