

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 "Urofacial syndrome" (5 matching pairs). · Rows: 5 · Generated: 2026-10-12 04:27:23

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Peripheral neuropathy	Urofacial syndrome	1	1	HPSE2 (5)	0.00515	0.50000	2.478e-2	2.653e-2	
Gestational diabetes	Urofacial syndrome	1	1	HPSE2 (5)	0.01087	0.50000	1.166e-2	1.308e-2	
Congenital anomalies of the kidney and urinary tract	Urofacial syndrome	1	1	HPSE2 (6)	0.01818	0.50000	6.872e-3	8.155e-3	
Multinodular goiter	Urofacial syndrome	1	1	HPSE2 (5)	0.03333	0.50000	3.634e-3	4.667e-3	
Ochoa syndrome	Urofacial syndrome	2	2	HPSE2 (6), LRIG2 (6)	0.66667	1.00000	8.436e-9	6.818e-8	