

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: 2026-10-10 03:00:13. Filters applied: disease name contains "syndactyly-telecanthus-anogenital and renal malformations syndrome" (7 matching pairs). · Rows: 7 · Generated: 2026-10-10 20:18:39

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Diabetes mellitus type 2	syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	CCNQ (2)	0.00032	1.00000	2.000e-1	2.002e-1	
Desbuquois syndrome	syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	CCNQ (2)	0.00176	1.00000	3.682e-2	3.867e-2	
Endometrial neoplasms	Toe syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	STAR (2)	0.00746	0.50000	1.707e-2	1.873e-2	
Congenital adrenal hyperplasia	Toe syndactyly-telecanthus-anogenital and renal malformations syndrome	1	0	STAR (1)	0.07692	0.50000	1.428e-3	2.226e-3	
Glucocorticoid deficiency	Toe syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	STAR (2)	0.09091	0.50000	1.169e-3	1.895e-3	
Congenital lipoid adrenal hyperplasia	Toe syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	STAR (4)	0.33333	1.00000	1.299e-4	3.931e-4	
syndactyly-telecanthus-anogenital and renal malformations syndrome	Toe syndactyly-telecanthus-anogenital and renal malformations syndrome	1	1	CCNQ (4)	0.33333	1.00000	1.299e-4	3.931e-4	