

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: 2026-10-11 03:00:14. Filters applied: disease name contains "Clear cell renal cell carcinoma" (9 matching pairs). · Rows: 9 · Generated: 2026-10-11 01:44:06

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Chromosomal disorder	Clear cell renal cell carcinoma	1	0	GRB10 (1)	0.01695	0.25000	1.421e-2	1.581e-2	
Camptodactyly	Clear cell renal cell carcinoma	1	1	TLN2 (3)	0.01786	1.00000	3.572e-3	4.594e-3	
Clear cell renal cell carcinoma	fanconi anemia complementation group d2	1	1	FANCD2 (2)	0.01786	1.00000	3.572e-3	4.594e-3	
Clear cell renal cell carcinoma	Lipoma	3	0	TERT (1), STN1 (1), ACTRT3 (1)	0.04615	0.25000	9.273e-6	4.604e-5	
Clear cell renal cell carcinoma	Thyroid cancer	4	0	TERT (1), SLK (1), STN1 (1), CNEP1R1 (1)	0.04651	0.11765	6.239e-6	3.183e-5	
Clear cell renal cell carcinoma	Urinary bladder cancer	5	0	TERT (1), CDKAL1 (1), MAD1L1 (1), MYNN (1), ACTRT3 (1)	0.04274	0.09091	3.656e-6	1.946e-5	
Clear cell renal cell carcinoma	Toxic nodular goiter	4	0	TERT (1), INSR (1), SLK (1), STN1 (1)	0.05797	0.23529	3.349e-7	2.146e-6	
Clear cell renal cell carcinoma	Myeloproliferative disorder	6	1	TERT (2), MAD1L1 (1), STN1 (1), PMF1 (1), PMF1-BGLAP (1), MYNN (1)	0.05825	0.11321	3.165e-8	2.391e-7	
Clear cell renal cell carcinoma	Kidney cancer	43	0	TERT (1), CDKAL1 (1), COL25A1 (1), FANCD2 (1), MAD1L1 (1), SCARB1 (1), TLN2 (1), INSR (1), AKT1 (1), AP3D1 (1), MYEOV (1), SSPN (1)	0.45745	0.78182	4.353e-93	4.118e-91	