

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 "Kidney cancer" (13 matching pairs). · Rows: 13 · Generated: 2026-10-10 17:48:36

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
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	
Kidney cancer	Uterine fibroid	17	0	RTEL1 (1), TERT (1), TP53 (1), EXO1 (1), TTC28 (1), POT1 (1), CDKN2C (1), STMN3 (1), MLLT10 (1), ATM (1), C11orf65 (1), RBPMS (1)	0.04582	0.20988	3.081e-13	3.895e-12	
Kidney cancer	Myeloproliferative disorder	9	2	TERT (2), TP53 (2), MAD1L1 (1), ATM (1), RBPMS (1), STN1 (1), PMF1 (1), PMF1-BGLAP (1), MYNN (1)	0.07143	0.16981	7.177e-12	7.958e-11	
Kidney cancer	Lipoma	4	0	TERT (1), EXO1 (1), STN1 (1), ACTRT3 (1)	0.04444	0.33333	3.406e-7	2.179e-6	
Clonal hematopoiesis	Kidney cancer	6	0	RTEL1 (1), TERT (1), TTC28 (1), ITPR2 (1), ATM (1), STN1 (1)	0.04545	0.10714	4.623e-7	2.896e-6	
Camptodactyly	Kidney cancer	1	1	TLN2 (3)	0.01220	1.00000	5.260e-3	6.419e-3	
fanconi anemia complementation group d2	Kidney cancer	1	1	FANCD2 (2)	0.01220	1.00000	5.260e-3	6.419e-3	
hartnup disease	Kidney cancer	1	1	SLC6A19 (2)	0.01220	1.00000	5.260e-3	6.419e-3	
Intellectual developmental disorder seizures cerebellar	Kidney cancer	1	1	RORA (4)	0.01220	1.00000	5.260e-3	6.419e-3	
Isolated anhidrosis	Kidney cancer	1	1	ITPR2 (3)	0.01220	1.00000	5.260e-3	6.419e-3	
Kidney cancer	leukodystrophy, hypomyelinating, 25	1	1	TMEM163 (2)	0.01220	1.00000	5.260e-3	6.419e-3	
Kidney cancer	Vulto-van silfhout-de vries syndrome	1	1	DLG4 (2)	0.01205	0.50000	1.049e-2	1.186e-2	
Kidney cancer	Very long chain acyl-coa dehydrogenase deficiency	1	1	DLG4 (2)	0.01176	0.25000	2.088e-2	2.268e-2	