

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 "Adenoid cystic carcinoma" (15 matching pairs). · Rows: 15 · Generated: 2026-10-10 08:32:09

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Adenoid cystic carcinoma	Diaphragm disease	1	1	WNT5B (2)	0.00980	0.50000	1.295e-2	1.447e-2	
Adenoid cystic carcinoma	autosomal dominant combined immunodeficiency due to ERBIN deficiency	1	1	ERBIN (2)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	Developmental delay with hypotonia and behavioral abnormalities	1	1	SRCAP (5)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	Developmental delay with hypotonia and impaired language	1	1	FBXW7 (5)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	floating-harbor syndrome	1	1	SRCAP (2)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	Intellectual disability with craniofacial dysmorphism and macrocephaly	1	1	H1-4 (2)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	megalencephalic leukoencephalopathy with subcortical cysts 1	1	1	MLC1 (2)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	severe combined immunodeficiency due to DNA-PKcs deficiency	1	1	PRKDC (2)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	Shukla-vernon syndrome	1	1	BCORL1 (5)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	Zhu-tokita-takenouchi-kim syndrome	1	1	SON (6)	0.00990	1.00000	6.494e-3	7.751e-3	
Adenoid cystic carcinoma	Cholangiocarcinoma	6	1	PTEN (1), TP53 (1), ARID1A (1), KMT2C (1), FGFR2 (1), BRCA1 (2)	0.04511	0.15789	1.505e-7	1.030e-6	
Adenoid cystic carcinoma	Coffin-siris syndrome	5	5	ARID1A (5), SMARCA2 (2), SMARCE1 (7), SOX4 (6), SOX11 (4)	0.04425	0.29412	6.075e-8	4.421e-7	
Adenoid cystic carcinoma	Urinary bladder neoplasms	13	0	TP53 (1), ARID1A (1), KMT2C (1), CREBBP (1), CDH1 (1), ATM (1), SMC1A (1), KDM6A (1), HRAS (1), EP300 (1), FANCA (1), CCND1 (1)	0.05652	0.13000	7.167e-12	7.952e-11	
Adenoid cystic carcinoma	Transitional cell carcinoma	10	0	TP53 (1), ARID1A (1), KMT2C (1), CREBBP (1), DAPK1 (1), KDM6A (1), HRAS (1), EP300 (1), CCND1 (1), ESPL1 (1)	0.08065	0.30303	6.884e-15	9.754e-14	
Adenoid cystic carcinoma	Salivary gland neoplasms	43	0	JAG1 (1), BCL11A (1), FAT1 (1), MARCKS (1), MARK2 (1), RBFOX2 (1), SERPINF1 (1), KRT5 (1), ST3GAL4 (1), GAS6 (1), DAPK1 (1), ITGB4 (1)	0.42157	0.97727	9.304e-98	9.930e-96	