

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 "Cardioembolic stroke" (11 matching pairs). · Rows: 11 · Generated: 2026-10-10 16:57:09

Disease A	Disease B	Shared Genes	Corroborated Shared Genes	Shared Gene Names	Similarity Score	Overlap Coefficient	P-value	FDR Q-value	Shared Cluster
Cardiac embolism	Cardioembolic stroke	50	0	PRRX1 (1), C16orf95 (1), DOCK10 (1), EPHA4 (1), GLIS3 (1), GORAB (1), HNF4G (1), HTR1E (1), KCNN3 (1), RBFOX1 (1), RBMS3 (1), RGS4 (1)	0.49020	1.00000	2.786e-116	3.972e-114	
Atrial flutter	Cardioembolic stroke	32	0	PRRX1 (1), ESR2 (1), GORAB (1), KCNN3 (1), TBX5 (1), TNFSF12-TNFSF13 (1), CAV1 (1), KCNJ5 (1), AOPEP (1), FAM13B (1), FGF5 (1), LRMDA (1)	0.21192	0.39506	1.668e-50	8.743e-49	
Atrial fibrillation	Cardioembolic stroke	54	35	PRRX1 (3), ESR2 (3), GORAB (1), KCNN2 (3), KCNN3 (3), NCOR2 (1), RBM20 (3), TBX5 (3), TNFSF12-TNFSF13 (1), TRIM36 (1), VRTN (1), IGF1R (3)	0.05928	0.53465	6.897e-41	2.941e-39	
Cardiac arrhythmia	Cardioembolic stroke	26	5	PRRX1 (1), ESR2 (3), GORAB (1), KCNN2 (3), KCNN3 (1), TBX5 (1), CAV1 (1), CAV2 (1), AOPEP (1), FAM13B (1), FGF5 (1), LRMDA (1)	0.14943	0.26531	1.409e-35	5.182e-34	
Cardioembolic stroke	Long qt syndrome	9	8	RBM20 (2), TBX5 (3), KCNJ5 (8), KLF12 (1), SYNE2 (2), NKX2-5 (2), KCNH2 (8), TTN (2), HCN4 (2)	0.04615	0.08911	2.165e-8	1.689e-7	
Cardioembolic stroke	cardiomyopathy, dilated, 2d	1	1	RPL3L (2)	0.00980	1.00000	6.559e-3	7.816e-3	
Cardioembolic stroke	Chromosome 2p16.1-p15 deletion syndrome	1	1	USP34 (2)	0.00980	1.00000	6.559e-3	7.816e-3	
Cardioembolic stroke	Neurodevelopmental disorder with dilated cardiomyopathy	1	1	CAMK2D (2)	0.00980	1.00000	6.559e-3	7.816e-3	
Cardioembolic stroke	neurodevelopmental disorder with hypotonia and variable intellectual and behavioral abnormalities	1	1	POLR2A (2)	0.00980	1.00000	6.559e-3	7.816e-3	
Cardioembolic stroke	Tritanopia	1	1	OPN1SW (4)	0.00980	1.00000	6.559e-3	7.816e-3	
Cardioembolic stroke	Wiskott-aldrich syndrome	1	1	WIPF1 (6)	0.00971	0.50000	1.308e-2	1.460e-2	