

GeDiPNet Cluster 385 -- Enriched Pathways

Pathway enrichment: KEGG + Reactome, upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected. Fold enrichment = (overlap / cluster gene count) / (pathway gene count / universe size). Top 15 pathways per cluster by q-value. See scripts/build_cluster_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-07 03:30:09. · Rows: 15 · Generated: 2026-10-07 07:29:56

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Phase 2 - plateau phase	Reactome	1	CACNA1F	25	2	240.20	4.159e-3	3.874e-2
Phase 0 - rapid depolarisation	Reactome	1	CACNA1F	44	2	136.48	7.314e-3	5.625e-2
Cortisol synthesis and secretion	KEGG	1	CACNA1F	65	2	92.38	1.080e-2	7.190e-2
GnRH secretion	KEGG	1	CACNA1F	65	2	92.38	1.080e-2	7.190e-2
Renin secretion	KEGG	1	CACNA1F	69	2	87.03	1.146e-2	7.445e-2
Insulin secretion	KEGG	1	CACNA1F	86	2	69.83	1.427e-2	8.457e-2
Arrhythmogenic right ventricular cardiomyopathy	KEGG	1	CACNA1F	86	2	69.83	1.427e-2	8.457e-2
Cardiac muscle contraction	KEGG	1	CACNA1F	87	2	69.02	1.444e-2	8.523e-2
GABAergic synapse	KEGG	1	CACNA1F	89	2	67.47	1.477e-2	8.634e-2
GnRH signaling pathway	KEGG	1	CACNA1F	93	2	64.57	1.543e-2	8.849e-2
Aldosterone synthesis and secretion	KEGG	1	CACNA1F	98	2	61.28	1.625e-2	9.136e-2
Hypertrophic cardiomyopathy	KEGG	1	CACNA1F	99	2	60.66	1.642e-2	9.183e-2
Dilated cardiomyopathy	KEGG	1	CACNA1F	105	2	57.19	1.741e-2	9.522e-2
Cholinergic synapse	KEGG	1	CACNA1F	115	2	52.22	1.906e-2	1.001e-1
Serotonergic synapse	KEGG	1	CACNA1F	115	2	52.22	1.906e-2	1.001e-1