

GeDiPNet Cluster 340 -- Enriched GO Terms (Biological Process)

GO term enrichment: Biological Process terms (gene2go, human/tax_id=9606 only), upper-tail hypergeometric test, fold enrichment = (overlap / cluster gene count) / (term gene count / universe size), Benjamini-Hochberg FDR-corrected. Top 15 terms per cluster by q-value. See scripts/build_cluster_go_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-09 03:23:08. · Rows: 15 · Generated: 2026-10-09 19:02:59

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
regulation of calcium ion transport	GO:0051924	3	CAV3, ORAI1, STIM1	25	9	249.16	1.767e-7	1.948e-5
positive regulation of adenylate cyclase activity	GO:0045762	2	ORAI1, STIM1	5	9	830.53	2.060e-6	1.488e-4
store-operated calcium entry	GO:0002115	2	ORAI1, STIM1	10	9	415.27	9.260e-6	4.965e-4
regulation of store-operated calcium entry	GO:2001256	2	CASQ1, STIM1	14	9	296.62	1.871e-5	8.577e-4
calcium ion transport	GO:0006816	3	CAV3, ORAI1, STIM1	157	9	39.68	4.709e-5	1.727e-3
regulation of signal transduction by receptor internalization	GO:0038009	1	CAV3	1	9	2076.33	4.816e-4	9.407e-3
regulation of nerve growth factor receptor activity	GO:0051394	1	CAV3	1	9	2076.33	4.816e-4	9.407e-3
negative regulation of sarcomere organization	GO:0060299	1	CAV3	1	9	2076.33	4.816e-4	9.407e-3
negative regulation of membrane depolarization during cardiac muscle cell action potential	GO:1900826	1	CAV3	1	9	2076.33	4.816e-4	9.407e-3
positive regulation of store-operated calcium channel activity	GO:1901341	1	CASQ1	1	9	2076.33	4.816e-4	9.407e-3
geranylgeranyl diphosphate biosynthetic process	GO:0033386	1	GGPS1	1	9	2076.33	4.816e-4	9.407e-3
geranyl diphosphate biosynthetic process	GO:0033384	1	GGPS1	2	9	1038.17	9.630e-4	1.485e-2
farnesyl diphosphate biosynthetic process	GO:0045337	1	GGPS1	2	9	1038.17	9.630e-4	1.485e-2
response to muscle inactivity	GO:0014870	1	CASQ1	2	9	1038.17	9.630e-4	1.485e-2
regulation of skeletal muscle contraction by regulation of release of sequestered calcium ion	GO:0014809	1	CASQ1	4	9	519.08	1.925e-3	2.234e-2