

GeDiPNet Cluster 489 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-19 23:18:15

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
regulation of store-operated calcium entry	GO:2001256	2	CASQ1, STIM1	14	6	444.93	7.805e-6	4.506e-4
positive regulation of store-operated calcium channel activity	GO:1901341	1	CASQ1	1	6	3114.50	3.211e-4	7.044e-3
calcium-dependent cell-matrix adhesion	GO:0016340	1	TRPM7	2	6	1557.25	6.421e-4	1.113e-2
N-acetylglucosamine biosynthetic process	GO:0006045	1	GNE	2	6	1557.25	6.421e-4	1.113e-2
response to muscle inactivity	GO:0014870	1	CASQ1	2	6	1557.25	6.421e-4	1.113e-2
miRNA transport	GO:1990428	1	HNRNPA2B1	3	6	1038.17	9.630e-4	1.423e-2
N-acetylneuraminate biosynthetic process	GO:0046380	1	GNE	3	6	1038.17	9.630e-4	1.423e-2
calcium ion transport	GO:0006816	2	STIM1, TRPM7	157	6	39.68	1.029e-3	1.491e-2
regulation of skeletal muscle contraction by regulation of release of sequestered calcium ion	GO:0014809	1	CASQ1	4	6	778.63	1.284e-3	1.669e-2
UDP-N-acetylglucosamine metabolic process	GO:0006047	1	GNE	5	6	622.90	1.605e-3	1.885e-2
positive regulation of adenylate cyclase activity	GO:0045762	1	STIM1	5	6	622.90	1.605e-3	1.885e-2
regulation of sequestering of calcium ion	GO:0051282	1	CASQ1	5	6	622.90	1.605e-3	1.885e-2
activation of store-operated calcium channel activity	GO:0032237	1	STIM1	5	6	622.90	1.605e-3	1.885e-2
CMP-N-acetylneuraminate biosynthetic process	GO:0006055	1	GNE	5	6	622.90	1.605e-3	1.885e-2
positive regulation of telomere maintenance via telomere lengthening	GO:1904358	1	HNRNPA2B1	6	6	519.08	1.925e-3	2.069e-2