

GeDiPNet Cluster 173 -- 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: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-08 09:56:15

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
sensory perception of pain	GO:0019233	5	SCN11A, NGF, PRDM12, RETREG1, SCN9A	44	25	84.94	2.936e-9	5.651e-7
detection of temperature stimulus involved in sensory perception of pain	GO:0050965	4	SCN11A, NTRK1, PRDM12, SCN9A	20	25	149.50	1.189e-8	1.951e-6
sphingosine biosynthetic process	GO:0046512	3	SPTLC1, SPTLC2, SPTLC3	16	25	140.15	1.171e-6	9.514e-5
sphinganine biosynthetic process	GO:0046511	2	SPTLC1, SPTLC2	2	25	747.48	1.718e-6	1.296e-4
circadian rhythm	GO:0007623	4	SCN11A, NGF, NTRK1, SCN9A	82	25	36.46	4.061e-6	2.592e-4
behavioral response to formalin induced pain	GO:0061368	2	SCN11A, NTRK1	3	25	498.32	5.151e-6	3.132e-4
positive regulation of lipophagy	GO:1904504	2	SPTLC1, SPTLC2	5	25	298.99	1.714e-5	8.067e-4
endoplasmic reticulum membrane fusion	GO:0016320	2	ATL1, ATL3	5	25	298.99	1.714e-5	8.067e-4
ceramide biosynthetic process	GO:0046513	3	SPTLC1, SPTLC2, SPTLC3	41	25	54.69	2.180e-5	9.741e-4
sphingolipid biosynthetic process	GO:0030148	3	SPTLC1, SPTLC2, SPTLC3	45	25	49.83	2.892e-5	1.202e-3
endoplasmic reticulum organization	GO:0007029	3	RETREG1, ATL1, ATL3	46	25	48.75	3.091e-5	1.265e-3
detection of mechanical stimulus involved in sensory perception	GO:0050974	2	SCN11A, SCN9A	8	25	186.87	4.788e-5	1.771e-3
endoplasmic reticulum tubular network membrane organization	GO:1990809	2	ATL1, ATL3	8	25	186.87	4.788e-5	1.771e-3
sphingolipid metabolic process	GO:0006665	3	SPTLC1, SPTLC2, SPTLC3	59	25	38.01	6.544e-5	2.245e-3
sphingomyelin biosynthetic process	GO:0006686	2	SPTLC1, SPTLC2	11	25	135.91	9.381e-5	2.951e-3