

GeDiPNet Cluster 282 -- 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: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 01:43:32

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
detection of light stimulus involved in visual perception	GO:0050908	3	CACNA1F, CNGB1, EYS	24	31	75.35	8.171e-6	4.454e-4
negative regulation of osteoclast differentiation	GO:0045671	3	CARTPT, TLR4, ZNF675	30	31	60.28	1.628e-5	7.662e-4
visual perception	GO:0007601	4	CACNA1F, CNGB1, USH2A, EYS	215	31	11.22	4.202e-4	8.516e-3
calcium ion import across plasma membrane	GO:0098703	2	CACNA1E, CACNA1F	28	31	43.06	9.800e-4	1.486e-2
negative regulation of calcium-independent cell-cell adhesion	GO:0051042	1	BMP2	1	31	602.81	1.659e-3	2.033e-2
regulation of granulocyte chemotaxis	GO:0071622	1	CAMK1D	1	31	602.81	1.659e-3	2.033e-2
positive regulation of epinephrine secretion	GO:0032812	1	CARTPT	1	31	602.81	1.659e-3	2.033e-2
beta-catenin-TCF complex assembly	GO:1904837	1	KMT2D	1	31	602.81	1.659e-3	2.033e-2
developmental maturation	GO:0021700	1	MAP1B	1	31	602.81	1.659e-3	2.033e-2
induction of synaptic plasticity by chemical substance	GO:0051915	1	MAP1B	1	31	602.81	1.659e-3	2.033e-2
optic cup structural organization	GO:0003409	1	TFAP2A	1	31	602.81	1.659e-3	2.033e-2
nitric oxide production involved in inflammatory response	GO:0002537	1	TLR4	1	31	602.81	1.659e-3	2.033e-2
axon extension	GO:0048675	2	MAP1B, SLC9A6	37	31	32.58	1.711e-3	2.068e-2
calcium ion transmembrane transport	GO:0070588	3	CACNA1E, CACNA1F, CNGB1	149	31	12.14	1.896e-3	2.203e-2
positive regulation of bone mineralization	GO:0030501	2	BMP2, TFAP2A	42	31	28.71	2.200e-3	2.387e-2