

GeDiPNet Cluster 218 -- 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 16:42:53

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 transmembrane transport via high voltage-gated calcium channel	GO:1902514	2	NOS1, NPPA	12	6	519.08	5.662e-6	3.312e-4
response to hypoxia	GO:0001666	3	TRPV4, NOS1, NPPA	176	6	53.09	1.609e-5	7.589e-4
negative regulation of blood pressure	GO:0045776	2	NOS1, NPPA	28	6	222.46	3.236e-5	1.294e-3
vasodilation	GO:0042311	2	NOS1, NPPA	50	6	124.58	1.045e-4	3.123e-3
response to insulin	GO:0032868	2	TRPV4, NPPA	83	6	75.05	2.890e-4	6.540e-3
hyperosmotic salinity response	GO:0042538	1	TRPV4	1	6	3114.50	3.211e-4	7.027e-3
blood vessel endothelial cell delamination	GO:0097497	1	TRPV4	1	6	3114.50	3.211e-4	7.027e-3
synaptic signaling by nitric oxide	GO:0099163	1	NOS1	1	6	3114.50	3.211e-4	7.027e-3
positive regulation of sodium ion transmembrane transport	GO:1902307	1	NOS1	1	6	3114.50	3.211e-4	7.027e-3
negative regulation of collecting lymphatic vessel constriction	GO:1903815	1	NPPA	1	6	3114.50	3.211e-4	7.027e-3
negative regulation of establishment of blood-brain barrier	GO:0090212	1	TTPA	1	6	3114.50	3.211e-4	7.027e-3
positive regulation of striated muscle contraction	GO:0045989	1	TRPV4	2	6	1557.25	6.421e-4	1.127e-2
regulation of response to osmotic stress	GO:0047484	1	TRPV4	2	6	1557.25	6.421e-4	1.127e-2
response to 3-methylcholanthrene	GO:1904681	1	NPPA	2	6	1557.25	6.421e-4	1.127e-2
sulfate assimilation	GO:0000103	1	PAPSS2	2	6	1557.25	6.421e-4	1.127e-2