

GeDiPNet Cluster 203 -- 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 01:45:05

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
neuropeptide signaling pathway	GO:0007218	5	GRP, NMB, OPRM1, PDYN, TAC1	111	18	46.76	5.440e-8	7.274e-6
inflammatory response	GO:0006954	6	TNFRSF1A, F2RL1, HRH1, HRH4, SCN9A, TAC1	467	18	13.34	3.392e-6	2.203e-4
positive regulation of respiratory gaseous exchange	GO:1903942	2	GRP, NMB	4	18	519.08	5.252e-6	3.120e-4
positive regulation of cytosolic calcium ion concentration	GO:0007204	4	F2RL1, HRH4, NMB, TAC1	137	18	30.31	7.811e-6	4.297e-4
sensory perception of pain	GO:0019233	3	OPRM1, SCN9A, TAC1	44	18	70.78	9.696e-6	5.095e-4
positive regulation of lipid metabolic process	GO:0045834	2	PPARG, TNFRSF1A	6	18	346.06	1.311e-5	6.450e-4
G protein-coupled receptor signaling pathway, coupled to cyclic nucleotide second messenger	GO:0007187	3	HRH1, HRH4, OPRM1	54	18	57.68	1.805e-5	8.277e-4
positive regulation of behavioral fear response	GO:2000987	2	NPAS2, GRP	7	18	296.62	1.835e-5	8.380e-4
adenylate cyclase-inhibiting G protein-coupled acetylcholine receptor signaling pathway	GO:0007197	2	HRH4, OPRM1	8	18	259.54	2.445e-5	1.045e-3
response to toxic substance	GO:0009636	3	AHR, CYP1A1, SCN9A	83	18	37.52	6.570e-5	2.207e-3
chemical synaptic transmission	GO:0007268	4	HRH1, HRH4, PDYN, TAC1	236	18	17.60	6.602e-5	2.215e-3
sensory perception	GO:0007600	2	OPRM1, PDYN	16	18	129.77	1.043e-4	3.120e-3
detection of temperature stimulus involved in sensory perception of pain	GO:0050965	2	SCN9A, TAC1	20	18	103.82	1.648e-4	4.391e-3
xenobiotic metabolic process	GO:0006805	3	AHR, CYP1A1, ABCB11	120	18	25.95	1.964e-4	4.990e-3
rhythmic process	GO:0048511	3	AHR, NPAS2, PPARG	148	18	21.04	3.640e-4	7.657e-3