

GeDiPNet Cluster 443 -- 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 23:17:53

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
positive regulation of interleukin-8 production	GO:0032757	3	DDIT3, NOD2, NOS2	65	17	50.73	2.638e-5	1.135e-3
regulation of cytokine production involved in inflammatory response	GO:1900015	2	MAPK14, NOS2	11	17	199.86	4.264e-5	1.632e-3
response to muramyl dipeptide	GO:0032495	2	MAPK14, NOD2	13	17	169.11	6.040e-5	2.128e-3
p38MAPK cascade	GO:0038066	2	MAPK14, NOD2	26	17	84.56	2.499e-4	5.945e-3
positive regulation of cardiac muscle cell proliferation	GO:0060045	2	MAPK14, BMPR1A	32	17	68.70	3.802e-4	7.887e-3
cell surface receptor protein serine/threonine kinase signaling pathway	GO:0007178	2	MAPK14, BMPR1A	33	17	66.62	4.045e-4	8.237e-3
cellular response to lipopolysaccharide	GO:0071222	3	MAPK14, NOD2, NOS2	187	17	17.63	6.047e-4	1.081e-2
cell redox homeostasis	GO:0045454	2	DDIT3, NOS2	44	17	49.97	7.205e-4	1.209e-2
intrinsic apoptotic signaling pathway in response to nitrosative stress	GO:1990442	1	DDIT3	1	17	1099.24	9.097e-4	1.386e-2
detection of muramyl dipeptide	GO:0032498	1	NOD2	1	17	1099.24	9.097e-4	1.386e-2
positive regulation of gamma-delta T cell activation	GO:0046645	1	NOD2	1	17	1099.24	9.097e-4	1.386e-2
neural plate mediolateral regionalization	GO:0021998	1	BMPR1A	1	17	1099.24	9.097e-4	1.386e-2
paraxial mesoderm structural organization	GO:0048352	1	BMPR1A	1	17	1099.24	9.097e-4	1.386e-2
neural plate pattern specification	GO:0060896	1	BMPR1A	1	17	1099.24	9.097e-4	1.386e-2
positive regulation of cardiac ventricle development	GO:1904414	1	BMPR1A	1	17	1099.24	9.097e-4	1.386e-2