

GeDiPNet Cluster 401 -- 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 06:17:53

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	4	NOD2, TLR9, DDIT3, NOS2	65	18	63.89	3.932e-7	3.823e-5
positive regulation of interleukin-6 production	GO:0032755	4	NOD2, IFNG, TLR9, NOS2	103	18	40.32	2.510e-6	1.727e-4
positive regulation of interleukin-12 production	GO:0032735	3	IFNG, TLR9, MAPK14	43	18	72.43	9.040e-6	4.828e-4
cellular response to lipopolysaccharide	GO:0071222	4	NOD2, TLR9, MAPK14, NOS2	187	18	22.21	2.663e-5	1.117e-3
positive regulation of B cell activation	GO:0050871	2	NOD2, TLR9	10	18	207.63	3.925e-5	1.499e-3
defense response to bacterium	GO:0042742	4	NOD2, MBL2, TLR9, NOS2	214	18	19.40	4.511e-5	1.669e-3
pharyngeal arch artery morphogenesis	GO:0061626	2	EDN1, BMPR1A	11	18	188.76	4.795e-5	1.739e-3
regulation of cytokine production involved in inflammatory response	GO:1900015	2	MAPK14, NOS2	11	18	188.76	4.795e-5	1.739e-3
response to muramyl dipeptide	GO:0032495	2	NOD2, MAPK14	13	18	159.72	6.793e-5	2.262e-3
positive regulation of transcription by RNA polymerase II	GO:0045944	7	NOD2, EDN1, IFNG, TLR9, MAPK14, BMPR1A, DDIT3	1208	18	6.02	7.836e-5	2.524e-3
maintenance of gastrointestinal epithelium	GO:0030277	2	NOD2, TLR9	16	18	129.77	1.043e-4	3.120e-3
positive regulation of JNK cascade	GO:0046330	3	NOD2, EDN1, TLR9	102	18	30.53	1.214e-4	3.502e-3
positive regulation of tumor necrosis factor production	GO:0032760	3	NOD2, IFNG, TLR9	113	18	27.56	1.644e-4	4.389e-3
response to muscle stretch	GO:0035994	2	EDN1, MAPK14	20	18	103.82	1.648e-4	4.391e-3
Fc-gamma receptor signaling pathway involved in phagocytosis	GO:0038096	2	IFNG, NOS2	23	18	90.28	2.191e-4	5.374e-3