

GeDiPNet Cluster 323 -- 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: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-08 13:13:56

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	24	47.92	1.344e-6	1.062e-4
positive regulation of interleukin-6 production	GO:0032755	4	NOD2, IFNG, TLR9, NOS2	103	24	30.24	8.497e-6	4.690e-4
positive regulation of interleukin-12 production	GO:0032735	3	IFNG, TLR9, MAPK14	43	24	54.32	2.221e-5	9.866e-4
positive regulation of chemokine production	GO:0032722	3	IFNG, TLR9, C5	49	24	47.67	3.299e-5	1.331e-3
negative regulation of gene expression	GO:0010629	5	EDN1, IFNG, BMPR1A, NOS2, GSK3B	339	24	11.48	6.105e-5	2.130e-3
positive regulation of B cell activation	GO:0050871	2	NOD2, TLR9	10	24	155.73	7.069e-5	2.387e-3
positive regulation of transcription by RNA polymerase II	GO:0045944	8	NOD2, EDN1, IFNG, TLR9, MAPK14, BMPR1A, DDIT3, GSK3B	1208	24	5.16	8.612e-5	2.769e-3
pharyngeal arch artery morphogenesis	GO:0061626	2	EDN1, BMPR1A	11	24	141.57	8.633e-5	2.773e-3
ER overload response	GO:0006983	2	DDIT3, GSK3B	11	24	141.57	8.633e-5	2.773e-3
regulation of cytokine production involved in inflammatory response	GO:1900015	2	MAPK14, NOS2	11	24	141.57	8.633e-5	2.773e-3
cellular response to lipopolysaccharide	GO:0071222	4	NOD2, TLR9, MAPK14, NOS2	187	24	16.66	8.822e-5	2.822e-3
complement activation, lectin pathway	GO:0001867	2	MBL2, C5	13	24	119.79	1.222e-4	3.576e-3
response to muramyl dipeptide	GO:0032495	2	NOD2, MAPK14	13	24	119.79	1.222e-4	3.576e-3
defense response to bacterium	GO:0042742	4	NOD2, MBL2, TLR9, NOS2	214	24	14.55	1.484e-4	4.151e-3
maintenance of gastrointestinal epithelium	GO:0030277	2	NOD2, TLR9	16	24	97.33	1.876e-4	4.937e-3