

GeDiPNet Cluster 236 -- 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 08:23:58

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
cellular response to lipopolysaccharide	GO:0071222	7	IL1B, NLRP3, NOS2, TNF, CD86, GFI1, IL10	187	31	22.56	1.927e-8	3.022e-6
positive regulation of transcription by RNA polymerase II	GO:0045944	13	ATF6, DDIT3, HSPA5, IL1B, NLRP3, TNF, CIITA, EOMES, GATA3, IKZF3, IL10, NOTCH2	1208	31	6.49	2.225e-8	3.423e-6
positive regulation of immunoglobulin production	GO:0002639	4	TNF, CD86, IL10, PTPRC	33	31	73.07	2.451e-7	2.575e-5
cell redox homeostasis	GO:0045454	4	DDIT3, NOS2, PRDX1, PRDX2	44	31	54.80	8.029e-7	6.938e-5
positive regulation of heterotypic cell-cell adhesion	GO:0034116	3	IL1B, TNF, IL10	13	31	139.11	1.169e-6	9.400e-5
positive regulation of miRNA transcription	GO:1902895	4	TNF, GATA3, IL10, NOTCH2	56	31	43.06	2.142e-6	1.523e-4
humoral immune response	GO:0006959	4	TNF, GATA3, NOTCH2, POU2F2	58	31	41.57	2.469e-6	1.706e-4
chronic inflammatory response to antigenic stimulus	GO:0002439	2	TNF, IL10	2	31	602.81	2.663e-6	1.807e-4
positive regulation of DNA-templated transcription	GO:0045893	9	DDIT3, IL1B, SPP1, TNF, CD86, EOMES, GATA3, IL10, RUNX3	778	31	6.97	3.168e-6	2.085e-4
positive regulation of interleukin-8 production	GO:0032757	4	DDIT3, IL1B, NOS2, TNF	65	31	37.10	3.908e-6	2.467e-4
positive regulation of non-canonical NF-kappaB signal transduction	GO:1901224	4	IL1B, NLRP3, TNF, CD86	66	31	36.53	4.156e-6	2.586e-4
response to lipopolysaccharide	GO:0032496	5	IL1B, NOS2, PRDX2, TNF, IL10	161	31	18.72	6.324e-6	3.617e-4
regulation of ATF6-mediated unfolded protein response	GO:1903891	2	ATF6, HSPA5	3	31	401.87	7.982e-6	4.367e-4
positive regulation of T cell mediated immunity	GO:0002711	2	IL1B, PTPRC	3	31	401.87	7.982e-6	4.367e-4
positive regulation of cytokine production	GO:0001819	4	IL1B, TNF, GATA3, IL10	81	31	29.77	9.428e-6	4.993e-4