

GeDiPNet Cluster 289 -- 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 15:02:19

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 T cell proliferation	GO:0042102	8	IL1B, BTNL2, CD28, HLA-DPB1, IL2RA, IL6, AIF1, VCAM1	67	58	38.47	2.950e-11	9.580e-9
positive regulation of neuroinflammatory response	GO:0150078	5	IL1B, IL6, TNF, MAPK1, MAPK3	16	58	100.68	1.027e-9	2.292e-7
positive regulation of gene expression	GO:0010628	13	IL1B, TGFB1, CD28, IL6, TNF, MAPK8, MAPK9, BMP2, NOS3, PTH, RUNX2, TGFB1	504	58	8.31	3.569e-9	6.909e-7
positive regulation of ERK1 and ERK2 cascade	GO:0070374	9	IL1B, TGFB1, HLA-DRB1, TNF, MAPK3, BMP2, EPO, ICAM1, KDR	201	58	14.43	1.088e-8	1.837e-6
inflammatory response	GO:0006954	12	CD14, HP, IL1B, IL1RN, TGFB1, IL2RA, IL6, TNF, AIF1, FOS, BMP2, VCAM1	467	58	8.28	1.621e-8	2.601e-6
skeletal system development	GO:0001501	8	COL1A1, COL9A2, BMP2, PTH, RUNX2, TGFB1, TNFRSF11B, VDR	151	58	17.07	2.054e-8	3.195e-6
positive regulation of epithelial to mesenchymal transition	GO:0010718	6	IL1B, TGFB1, IL6, COL1A1, BMP2, TGFB1	59	58	32.77	2.719e-8	4.056e-6
positive regulation of MAPK cascade	GO:0043410	9	ADRB3, IL1B, TGFB1, HLA-DRB1, IL6, TNF, BMP2, FLT1, KDR	224	58	12.95	2.783e-8	4.122e-6
response to lipopolysaccharide	GO:0032496	8	IL1B, TNF, FOS, MAPK1, MAPK3, EPO, NOS3, VCAM1	161	58	16.01	3.391e-8	4.869e-6
positive regulation of mononuclear cell migration	GO:0071677	3	TGFB1, TNF, AIF1	4	58	241.64	1.133e-7	1.339e-5
regulation of blood pressure	GO:0008217	6	POMC, ACE, CALCA, COMT, NOS3, SGK1	83	58	23.29	2.151e-7	2.308e-5
embryo implantation	GO:0007566	5	A1CF, IL1B, CALCA, EPO, SPP1	48	58	33.56	3.734e-7	3.658e-5
vascular endothelial growth factor production	GO:0010573	3	IL1B, IL6, TNF	6	58	161.09	5.638e-7	5.177e-5
positive regulation of glial cell proliferation	GO:0060252	4	IL1B, IL6, TNF, GFAP	22	58	58.58	5.861e-7	5.351e-5
positive regulation of miRNA transcription	GO:1902895	5	TGFB1, IL6, TNF, FOS, BMP2	56	58	28.77	8.174e-7	7.046e-5