

GeDiPNet Cluster 82 -- 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 08:45:17

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 chemokine production	GO:0032722	4	IFNG, TNF, AGER, HMOX1	49	26	58.67	5.977e-7	5.478e-5
astrocyte activation	GO:0048143	3	IFNG, TNF, AGER	17	26	126.83	1.605e-6	1.225e-4
positive regulation of neutrophil mediated killing of fungus	GO:0070965	2	ARG1, POMC	2	26	718.73	1.861e-6	1.386e-4
positive regulation of vitamin D biosynthetic process	GO:0060557	2	IFNG, TNF	2	26	718.73	1.861e-6	1.386e-4
positive regulation of ERK1 and ERK2 cascade	GO:0070374	5	GCG, GPBAR1, OPRM1, TNF, AGER	201	26	17.88	7.498e-6	4.242e-4
microglial cell activation	GO:0001774	3	IFNG, TNF, AGER	28	26	77.01	7.654e-6	4.315e-4
cell surface receptor signaling pathway via STAT	GO:0097696	3	IFNA2, IFNG, LEPR	28	26	77.01	7.654e-6	4.315e-4
response to macrophage colony-stimulating factor	GO:0036005	2	TNF, SPP1	4	26	359.37	1.115e-5	5.753e-4
negative regulation of T-helper 2 cell cytokine production	GO:2000552	2	ARG1, IFNA2	4	26	359.37	1.115e-5	5.753e-4
regulation of insulin secretion	GO:0050796	3	GCG, IFNG, TNF	46	26	46.87	3.488e-5	1.394e-3
extrinsic apoptotic signaling pathway	GO:0097191	3	IFNG, TNF, TNFRSF10A	57	26	37.83	6.656e-5	2.278e-3
humoral immune response	GO:0006959	3	IFNA2, IFNG, TNF	58	26	37.18	7.012e-5	2.372e-3
positive regulation of interleukin-1 beta production	GO:0032731	3	IFNG, TNF, AGER	66	26	32.67	1.032e-4	3.171e-3
response to L-glutamate	GO:1902065	2	ABCB1, TNF	12	26	119.79	1.218e-4	3.569e-3
negative regulation of amyloid-beta clearance	GO:1900222	2	IFNG, TNF	12	26	119.79	1.218e-4	3.569e-3