

GeDiPNet Cluster 405 -- 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 03:46:52

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
immune response	GO:0006955	7	CCL22, IFNG, IL17A, CD70, FAS, KIR3DS1, STAT3	543	14	17.21	4.839e-8	6.607e-6
extrinsic apoptotic signaling pathway	GO:0097191	4	IFNG, CD70, FAS, CD27	57	14	93.67	7.610e-8	9.564e-6
adaptive immune memory response involving T cells and B cells	GO:0090717	2	CD70, CD27	3	14	889.86	1.563e-6	1.184e-4
CD27 signaling pathway	GO:0160162	2	CD70, CD27	5	14	533.91	5.205e-6	3.104e-4
positive regulation of phagocytosis	GO:0050766	3	IFNG, SLC11A1, STAT3	58	14	69.04	1.008e-5	5.249e-4
positive regulation of interleukin-23 production	GO:0032747	2	IFNG, IL17A	7	14	381.37	1.092e-5	5.577e-4
positive regulation of interleukin-1 beta production	GO:0032731	3	IFNG, IL17A, STAT3	66	14	60.67	1.490e-5	7.140e-4
T cell activation	GO:0042110	3	ITK, CD70, CD27	76	14	52.69	2.279e-5	9.930e-4
negative regulation of inflammatory response to wounding	GO:0106015	2	IL17A, STAT3	10	14	266.96	2.337e-5	1.012e-3
adaptive immune response	GO:0002250	5	IFNG, IL17A, SH2D1A, ITK, TAP2	507	14	13.16	2.356e-5	1.018e-3
positive regulation of cytokine production	GO:0001819	3	IFNG, ITK, SLC11A1	81	14	49.44	2.759e-5	1.147e-3
interleukin-2-mediated signaling pathway	GO:0038110	2	IFNG, STAT3	12	14	222.46	3.425e-5	1.353e-3
positive regulation of interleukin-6 production	GO:0032755	3	IFNG, IL17A, STAT3	103	14	38.88	5.664e-5	1.973e-3
positive regulation of tumor necrosis factor production	GO:0032760	3	IFNG, IL17A, STAT3	113	14	35.44	7.465e-5	2.436e-3
apoptotic process	GO:0006915	5	IFNG, IL17A, XIAP, FAS, CD27	747	14	8.93	1.492e-4	4.078e-3