

GeDiPNet Cluster 254 -- 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 01:10:07

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
T cell receptor signaling pathway	GO:0050852	4	CTLA4, HLA-DPB1, HLA-DRB1, HLA-A	121	23	26.86	1.346e-5	6.583e-4
antigen processing and presentation	GO:0019882	3	HLA-DPB1, HLA-DRB1, HLA-A	48	23	50.78	2.717e-5	1.133e-3
negative regulation of B cell apoptotic process	GO:0002903	2	BCL2, BCL6	11	23	147.72	7.916e-5	2.539e-3
detection of bacterium	GO:0016045	2	HLA-DRB1, HLA-A	12	23	135.41	9.493e-5	2.908e-3
antigen processing and presentation of peptide or polysaccharide antigen via MHC class II	GO:0002504	2	HLA-DPB1, HLA-DRB1	15	23	108.33	1.507e-4	4.109e-3
peptide antigen assembly with MHC class II protein complex	GO:0002503	2	HLA-DPB1, HLA-DRB1	16	23	101.56	1.721e-4	4.540e-3
regulation of T cell proliferation	GO:0042129	2	CTLA4, BCL6	17	23	95.59	1.949e-4	4.958e-3
T cell mediated cytotoxicity	GO:0001913	2	FCGR3A, HLA-A	18	23	90.28	2.191e-4	5.374e-3
immune response	GO:0006955	5	CTLA4, FCGR3A, HLA-DPB1, HLA-DRB1, HLA-A	543	23	7.48	4.433e-4	8.805e-3
vesicle docking involved in exocytosis	GO:0006904	2	EXOC6, PLEK	29	23	56.03	5.766e-4	1.055e-2
positive regulation of apoptotic process	GO:0043065	4	CTLA4, BCLAF1, BCL2, BCL6	326	23	9.97	6.195e-4	1.110e-2
antigen processing and presentation of exogenous peptide antigen via MHC class II	GO:0019886	2	HLA-DPB1, HLA-DRB1	31	23	52.42	6.593e-4	1.149e-2
immune system process	GO:0002376	6	CTLA4, FCGR3A, HLA-DPB1, HLA-DRB1, BCL6, HLA-A	943	23	5.17	7.823e-4	1.287e-2
positive regulation of T cell mediated cytotoxicity	GO:0001916	2	HLA-DRB1, HLA-A	34	23	47.79	7.937e-4	1.300e-2
positive regulation of multicellular organism growth	GO:0040018	2	CHD7, BCL2	34	23	47.79	7.937e-4	1.300e-2