

GeDiPNet Cluster 179 -- 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 13:24:17

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
antigen processing and presentation of peptide antigen via MHC class I	GO:0002474	5	HLA-B, HLA-A, ERAP2, LNPEP, HLA-E	17	25	219.85	1.714e-11	5.965e-9
protection from natural killer cell mediated cytotoxicity	GO:0042270	3	HLA-B, HLA-A, HLA-E	6	25	373.74	4.219e-8	5.863e-6
positive regulation of T cell mediated cytotoxicity	GO:0001916	4	HLA-B, HLA-A, HLA-DRB1, HLA-E	34	25	87.94	1.124e-7	1.331e-5
detection of bacterium	GO:0016045	3	HLA-B, HLA-A, HLA-DRB1	12	25	186.87	4.616e-7	4.367e-5
antigen processing and presentation	GO:0019882	4	HLA-B, HLA-A, HLA-DRB1, HLA-E	48	25	62.29	4.658e-7	4.402e-5
antigen processing and presentation of endogenous peptide antigen via MHC class Ib	GO:0002476	3	HLA-B, HLA-A, HLA-E	14	25	160.17	7.624e-7	6.666e-5
antigen processing and presentation of endogenous peptide antigen via MHC class I via ER pathway, TAP-independent	GO:0002486	3	HLA-B, HLA-A, HLA-E	14	25	160.17	7.624e-7	6.666e-5
positive regulation of CD8-positive, alpha-beta T cell activation	GO:2001187	2	HLA-A, HLA-E	2	25	747.48	1.718e-6	1.276e-4
positive regulation of CD8-positive, alpha-beta T cell proliferation	GO:2000566	2	HLA-A, HLA-E	3	25	498.32	5.151e-6	3.079e-4
CD8-positive, alpha-beta T cell activation	GO:0036037	2	HLA-A, HLA-E	4	25	373.74	1.029e-5	5.328e-4
adaptive immune response	GO:0002250	6	HLA-B, HLA-A, HLA-DRB1, IL2, ERAP2, HLA-E	507	25	8.85	4.420e-5	1.644e-3
antigen processing and presentation of endogenous peptide antigen via MHC class I	GO:0019885	2	HLA-A, ERAP2	9	25	166.11	6.150e-5	2.097e-3
immune response	GO:0006955	6	HLA-B, HLA-A, HLA-DRB1, IL2, HLA-E, SMAD3	543	25	8.26	6.474e-5	2.181e-3
immune system process	GO:0002376	7	HLA-B, IFIH1, HLA-A, HLA-DRB1, IL2, ERAP2, HLA-E	943	25	5.55	1.759e-4	4.614e-3
positive regulation of chondrocyte differentiation	GO:0032332	2	SMAD3, SOX5	20	25	74.75	3.217e-4	7.035e-3