

GeDiPNet Cluster 128 -- 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: 2026-10-09 03:23:08. · Rows: 15 · Generated: 2026-10-09 10:09:43

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
cellular response to lipopolysaccharide	GO:0071222	6	AICDA, BCR, ABL1, CD40, CSF3, GSTP1	187	27	22.21	2.303e-7	2.437e-5
T cell receptor signaling pathway	GO:0050852	5	ABL1, CRKL, MAPK1, GATA3, IKBKG	121	27	28.60	7.545e-7	6.569e-5
thymus development	GO:0048538	4	ABL1, CRKL, MAPK1, GATA3	50	27	55.37	7.605e-7	6.606e-5
positive regulation of canonical NF-kappaB signal transduction	GO:0043123	6	ABL1, CD40, CD40LG, CFLAR, REL, IKBKG	232	27	17.90	8.168e-7	7.017e-5
canonical NF-kappaB signal transduction	GO:0007249	4	ABL1, NFKBIA, REL, IKBKG	62	27	44.65	1.820e-6	1.353e-4
isotype switching	GO:0045190	3	AICDA, UNG, CD40LG	19	27	109.28	2.567e-6	1.766e-4
inflammatory response	GO:0006954	7	CD40, CD40LG, GATA3, IFNA2, NFKBIA, REL, IKBKG	467	27	10.37	3.350e-6	2.194e-4
positive regulation of endothelial cell apoptotic process	GO:2000353	3	CD40, CD40LG, PTPN1	29	27	71.60	9.586e-6	5.093e-4
positive regulation of extracellular matrix organization	GO:1903055	2	ABL1, CFLAR	4	27	346.06	1.204e-5	6.067e-4
immune effector process	GO:0002252	2	ABL1, ICAM1	4	27	346.06	1.204e-5	6.067e-4
response to exogenous dsRNA	GO:0043330	3	MAPK1, IFNA2, NFKBIA	34	27	61.07	1.562e-5	7.443e-4
cellular response to tumor necrosis factor	GO:0071356	4	MAPK1, CD40, GATA3, NFKBIA	107	27	25.87	1.611e-5	7.633e-4
response to ethanol	GO:0045471	4	CSF3, GATA3, GSTP1, G6PD	110	27	25.17	1.797e-5	8.294e-4
vascular endothelial cell response to oscillatory fluid shear stress	GO:0097706	2	ABL1, PTPN1	5	27	276.84	2.005e-5	9.056e-4
B cell proliferation	GO:0042100	3	ABL1, CD40, CD40LG	38	27	54.64	2.194e-5	9.694e-4