

GeDiPNet Cluster 64 -- 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 11:20:23

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 chronic inflammatory response to antigenic stimulus	GO:0002876	2	TNF, LTA	2	14	1334.79	5.212e-7	4.894e-5
animal organ morphogenesis	GO:0009887	4	TNF, CCL2, ELN, IGF2	130	14	41.07	2.121e-6	1.538e-4
response to isolation stress	GO:0035900	2	TNF, SOD2	4	14	667.39	3.125e-6	2.102e-4
positive regulation of humoral immune response mediated by circulating immunoglobulin	GO:0002925	2	TNF, LTA	5	14	533.91	5.205e-6	3.159e-4
response to hypoxia	GO:0001666	4	TNF, PLAT, LTA, SOD2	176	14	30.34	7.071e-6	4.046e-4
humoral immune response	GO:0006959	3	TNF, CCL2, LTA	58	14	69.04	1.008e-5	5.332e-4
positive regulation of glial cell proliferation	GO:0060252	2	TNF, LTA	22	14	121.34	1.194e-4	3.517e-3
positive regulation of mitotic nuclear division	GO:0045840	2	TNF, IGF2	29	14	92.05	2.092e-4	5.321e-3
response to lipopolysaccharide	GO:0032496	3	TNF, LTA, SOD2	161	14	24.87	2.131e-4	5.384e-3
regulation of synaptic transmission, glutamatergic	GO:0051966	2	TNF, ATP1A2	33	14	80.90	2.716e-4	6.373e-3
negative regulation of fibroblast proliferation	GO:0048147	2	LTA, SOD2	35	14	76.27	3.058e-4	6.953e-3
positive regulation of extrinsic apoptotic signaling pathway	GO:2001238	2	TNF, LTA	38	14	70.25	3.608e-4	7.811e-3
blood circulation	GO:0008015	2	ELN, ATP1A2	41	14	65.11	4.203e-4	8.690e-3
positive regulation of nitric oxide biosynthetic process	GO:0045429	2	TNF, SOD2	42	14	63.56	4.411e-4	8.958e-3
vasodilation	GO:0042311	2	TNF, SOD2	50	14	53.39	6.255e-4	1.138e-2