

GeDiPNet Cluster 542 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-19 23:18:51

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
negative regulation of iron ion transport	GO:0034757	1	B2M	1	1	18687.00	5.351e-5	1.943e-3
antigen processing and presentation of exogenous protein antigen via MHC class Ib, TAP-dependent	GO:0002481	1	B2M	2	1	9343.50	1.070e-4	3.249e-3
regulation of iron ion transport	GO:0034756	1	B2M	2	1	9343.50	1.070e-4	3.249e-3
cellular response to iron(III) ion	GO:0071283	1	B2M	2	1	9343.50	1.070e-4	3.249e-3
negative regulation of forebrain neuron differentiation	GO:2000978	1	B2M	2	1	9343.50	1.070e-4	3.249e-3
regulation of erythrocyte differentiation	GO:0045646	1	B2M	6	1	3114.50	3.211e-4	7.044e-3
cellular response to iron ion	GO:0071281	1	B2M	7	1	2669.57	3.746e-4	7.813e-3
cellular response to nicotine	GO:0071316	1	B2M	8	1	2335.88	4.281e-4	8.531e-3
response to molecule of bacterial origin	GO:0002237	1	B2M	9	1	2076.33	4.816e-4	9.241e-3
peptide antigen assembly with MHC class I protein complex	GO:0002502	1	B2M	9	1	2076.33	4.816e-4	9.241e-3
antigen processing and presentation of endogenous peptide antigen via MHC class I	GO:0019885	1	B2M	9	1	2076.33	4.816e-4	9.241e-3
negative regulation of receptor-mediated endocytosis	GO:0048261	1	B2M	10	1	1868.70	5.351e-4	9.880e-3
regulation of membrane depolarization	GO:0003254	1	B2M	10	1	1868.70	5.351e-4	9.880e-3
transferrin transport	GO:0033572	1	B2M	11	1	1698.82	5.886e-4	1.058e-2
positive regulation of T cell cytokine production	GO:0002726	1	B2M	14	1	1334.79	7.492e-4	1.230e-2