

GeDiPNet Cluster 246 -- 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 11:57:12

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
proteasome-mediated ubiquitin-dependent protein catabolic process	GO:0043161	4	HERC2, KLHL2, JAK2, APC	343	16	13.62	1.705e-4	4.507e-3
cell adhesion	GO:0007155	5	CDH9, ITGB2, CNTN5, JAK2, APC	665	16	8.78	1.771e-4	4.639e-3
microglial cell activation	GO:0001774	2	ITGB2, JAK2	28	16	83.42	2.565e-4	6.021e-3
positive regulation of apoptotic signaling pathway	GO:2001235	2	FAS, JAK2	37	16	63.13	4.498e-4	8.903e-3
positive regulation of nitric oxide biosynthetic process	GO:0045429	2	ITGB2, JAK2	42	16	55.62	5.801e-4	1.059e-2
cell-cell adhesion	GO:0098609	3	CDH9, ITGB2, CNTN5	218	16	16.07	7.838e-4	1.289e-2
toxin biosynthetic process	GO:0009403	1	CYP1A2	1	16	1167.94	8.562e-4	1.360e-2
nuclear receptor-mediated mineralocorticoid signaling pathway	GO:0031959	1	JAK2	1	16	1167.94	8.562e-4	1.360e-2
symbiont-induced defense-related programmed cell death	GO:0034050	1	JAK2	1	16	1167.94	8.562e-4	1.360e-2
interleukin-35-mediated signaling pathway	GO:0070757	1	JAK2	1	16	1167.94	8.562e-4	1.360e-2
extrinsic apoptotic signaling pathway	GO:0097191	2	FAS, JAK2	57	16	40.98	1.067e-3	1.569e-2
tumor necrosis factor-mediated signaling pathway	GO:0033209	2	FAS, JAK2	60	16	38.93	1.182e-3	1.668e-2
alkaloid metabolic process	GO:0009820	1	CYP1A2	2	16	583.97	1.712e-3	2.068e-2
response to interleukin-12	GO:0070671	1	JAK2	2	16	583.97	1.712e-3	2.068e-2
positive regulation of growth factor dependent skeletal muscle satellite cell proliferation	GO:1902728	1	JAK2	2	16	583.97	1.712e-3	2.068e-2