

GeDiPNet Cluster 413 -- 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 07:03:59

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
regulation of G2/M transition of mitotic cell cycle	GO:0010389	3	CDK2, CDK4, CDK6	15	17	219.85	2.826e-7	2.936e-5
positive regulation of gene expression	GO:0010628	6	YAP1, CCL2, CDK6, CXCL8, KRAS, TLR9	504	17	13.09	3.590e-6	2.349e-4
cellular response to lipopolysaccharide	GO:0071222	4	CCL2, CDK4, CXCL8, TLR9	187	17	23.51	2.087e-5	9.429e-4
regulation of gene expression	GO:0010468	5	YAP1, CDK2, CDK4, CDK6, PRMT5	402	17	13.67	2.246e-5	9.945e-4
cell division	GO:0051301	5	CDK2, CDK4, CDK6, CDT1, KIFC1	406	17	13.54	2.356e-5	1.029e-3
G1/S transition of mitotic cell cycle	GO:0000082	3	CDK2, CDK4, CDK6	85	17	38.80	5.898e-5	2.076e-3
negative regulation of epithelial cell differentiation	GO:0030857	2	YAP1, KRAS	17	17	129.32	1.051e-4	3.209e-3
signal transduction	GO:0007165	8	CCL2, CDK2, CDK4, CDK6, CXCL8, KRAS, ROR2, TLR9	2125	17	4.14	2.598e-4	6.183e-3
cellular response to gamma radiation	GO:0071480	2	YAP1, RAD51	28	17	78.52	2.904e-4	6.684e-3
positive regulation of DNA replication	GO:0045740	2	CDK2, CDT1	29	17	75.81	3.117e-4	7.045e-3
cellular response to fibroblast growth factor stimulus	GO:0044344	2	CCL2, CXCL8	33	17	66.62	4.045e-4	8.450e-3
helper T cell extravasation	GO:0035684	1	CCL2	1	17	1099.24	9.097e-4	1.456e-2
chemokine (C-C motif) ligand 2 signaling pathway	GO:0038148	1	CCL2	1	17	1099.24	9.097e-4	1.456e-2
regulation of single stranded viral RNA replication via double stranded DNA intermediate	GO:0045091	1	CXCL8	1	17	1099.24	9.097e-4	1.456e-2
response to mineralocorticoid	GO:0051385	1	KRAS	1	17	1099.24	9.097e-4	1.456e-2