

GeDiPNet Cluster 143 -- 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 12:38:19

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 peptidyl-serine phosphorylation	GO:0033138	4	BRAF, EGFR, PDCD10, IL6	20	28	133.48	1.921e-8	3.014e-6
negative regulation of apoptotic process	GO:0043066	7	HMGA2, BRAF, EGFR, MAP4K4, PDCD10, IL6, MITF	524	28	8.92	9.293e-6	4.934e-4
MAPK cascade	GO:0000165	4	BRAF, EGFR, KRAS, MAP4K4	147	28	18.16	6.497e-5	2.186e-3
positive regulation of T-helper 2 cell cytokine production	GO:2000553	2	NLRP3, IL6	9	28	148.31	7.744e-5	2.503e-3
positive regulation of gene expression	GO:0010628	6	HMGA2, BRAF, KRAS, PDCD10, IL6, MITF	504	28	7.95	8.491e-5	2.678e-3
synaptic vesicle clustering	GO:0097091	2	CDH2, SYN3	12	28	111.23	1.416e-4	3.916e-3
regulation of synaptic transmission, GABAergic	GO:0032228	2	KRAS, SYN3	14	28	95.34	1.948e-4	4.958e-3
regulation of cell population proliferation	GO:0042127	4	BRAF, EGFR, ENG, MITF	201	28	13.28	2.173e-4	5.345e-3
positive regulation of protein serine/threonine kinase activity	GO:0071902	2	HMGA2, PDCD10	15	28	88.99	2.246e-4	5.471e-3
positive regulation of transcription by RNA polymerase II	GO:0045944	8	HMGA2, EGFR, ENG, GLI2, NLRP3, NOTCH4, IL6, MITF	1208	28	4.42	2.886e-4	6.533e-3
cellular response to virus	GO:0098586	3	GLI2, NLRP3, IL6	89	28	22.50	3.139e-4	6.935e-3
striated muscle cell differentiation	GO:0051146	2	CDH2, KRAS	20	28	66.74	4.045e-4	8.277e-3
epithelial tube branching involved in lung morphogenesis	GO:0060441	2	HMGA2, KRAS	20	28	66.74	4.045e-4	8.277e-3
positive regulation of glial cell proliferation	GO:0060252	2	KRAS, IL6	22	28	60.67	4.909e-4	9.439e-3
stress fiber assembly	GO:0043149	2	BRAF, PDCD10	24	28	55.62	5.855e-4	1.067e-2