

GeDiPNet Cluster 347 -- 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 08:47:22

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
vascular associated smooth muscle cell migration	GO:1904738	2	NF1, DDIT3	3	9	1384.22	6.184e-7	5.627e-5
vascular associated smooth muscle cell proliferation	GO:1990874	2	NF1, DDIT3	6	9	692.11	3.090e-6	2.083e-4
regulation of cell cycle	GO:0051726	4	CDK4, MDM2, YEATS4, DDIT3	262	9	31.70	4.503e-6	2.811e-4
response to caloric restriction	GO:0061771	2	FASN, DDIT3	10	9	415.27	9.260e-6	5.017e-4
negative regulation of astrocyte differentiation	GO:0048712	2	HMGA2, NF1	11	9	377.52	1.132e-5	5.816e-4
regulation of gene expression	GO:0010468	4	HMGA2, CDK4, MDM2, NF1	402	9	20.66	2.441e-5	1.058e-3
adrenal gland development	GO:0030325	2	HMGA2, NF1	24	9	173.03	5.660e-5	2.007e-3
cellular response to interleukin-4	GO:0071353	2	CDK4, FASN	24	9	173.03	5.660e-5	2.007e-3
astrocyte differentiation	GO:0048708	2	HMGA2, NF1	25	9	166.11	6.150e-5	2.141e-3
amyloid fibril formation	GO:1990000	2	MDM2, FUS	29	9	143.20	8.315e-5	2.697e-3
fibroblast proliferation	GO:0048144	2	HMGA2, NF1	42	9	98.87	1.758e-4	4.708e-3
positive regulation of double-strand break repair via homologous recombination	GO:1905168	2	YEATS4, FUS	46	9	90.28	2.111e-4	5.352e-3
regulation of DNA-templated transcription	GO:0006355	5	HMGA2, PLAG1, YEATS4, DDIT3, FUS	1454	9	7.14	2.735e-4	6.406e-3
positive regulation of vascular associated smooth muscle cell proliferation	GO:1904707	2	MDM2, NF1	53	9	78.35	2.805e-4	6.523e-3
stem cell proliferation	GO:0072089	2	HMGA2, NF1	54	9	76.90	2.913e-4	6.699e-3