

GeDiPNet Cluster 584 -- 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
Ras protein signal transduction	GO:0007265	4	TP53, CDKN2A, RRAS2, KRAS	79	11	86.02	9.544e-8	1.217e-5
rRNA transcription	GO:0009303	2	TP53, CDKN2A	15	11	226.51	3.294e-5	1.347e-3
replicative senescence	GO:0090399	2	TP53, CDKN2A	16	11	212.35	3.763e-5	1.487e-3
glial cell proliferation	GO:0014009	2	TP53, KRAS	18	11	188.76	4.795e-5	1.790e-3
positive regulation of cellular senescence	GO:2000774	2	TP53, KRAS	20	11	169.88	5.951e-5	2.102e-3
transcription initiation-coupled chromatin remodeling	GO:0045815	2	TP53, ARID1A	41	11	82.87	2.551e-4	6.036e-3
regulation of G1/S transition of mitotic cell cycle	GO:2000045	2	ARID1A, CDKN2A	57	11	59.61	4.940e-4	9.411e-3
cellular senescence	GO:0090398	2	TP53, CDKN2A	57	11	59.61	4.940e-4	9.411e-3
negative regulation of helicase activity	GO:0051097	1	TP53	1	11	1698.82	5.886e-4	1.058e-2
regulation of intrinsic apoptotic signaling pathway by p53 class mediator	GO:1902253	1	TP53	1	11	1698.82	5.886e-4	1.058e-2
negative regulation of G1 to G0 transition	GO:1903451	1	TP53	1	11	1698.82	5.886e-4	1.058e-2
iron-sulfur cluster export from the mitochondrion	GO:0140466	1	ABCB7	1	11	1698.82	5.886e-4	1.058e-2
positive regulation of iron-sulfur cluster assembly	GO:1903331	1	ABCB7	1	11	1698.82	5.886e-4	1.058e-2
response to mineralocorticoid	GO:0051385	1	KRAS	1	11	1698.82	5.886e-4	1.058e-2
female pregnancy	GO:0007565	2	KRAS, GNAS	80	11	42.47	9.708e-4	1.431e-2