

GeDiPNet Cluster 450 -- 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 23:18:39

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
vasculature development	GO:0001944	2	FBXW7, PIK3CA	33	6	188.76	4.516e-5	1.712e-3
positive regulation of reactive oxygen species metabolic process	GO:2000379	2	TP53, TGFBR2	34	6	183.21	4.798e-5	1.790e-3
gastrulation	GO:0007369	2	TP53, TGFBR2	38	6	163.92	6.009e-5	2.120e-3
negative regulation of gene expression	GO:0010629	3	TP53, FBXW7, PIK3CA	339	6	27.56	1.136e-4	3.394e-3
cellular response to UV	GO:0034644	2	TP53, FBXW7	55	6	113.25	1.266e-4	3.664e-3
regulation of gene expression	GO:0010468	3	MET, PIK3CA, TGFBR2	402	6	23.24	1.883e-4	4.879e-3
regulation of mitotic cell cycle	GO:0007346	2	TP53, FBXW7	77	6	80.90	2.487e-4	5.924e-3
liver development	GO:0001889	2	MET, PIK3CA	87	6	71.60	3.175e-4	7.044e-3
negative regulation of helicase activity	GO:0051097	1	TP53	1	6	3114.50	3.211e-4	7.044e-3
regulation of intrinsic apoptotic signaling pathway by p53 class mediator	GO:1902253	1	TP53	1	6	3114.50	3.211e-4	7.044e-3
negative regulation of G1 to G0 transition	GO:1903451	1	TP53	1	6	3114.50	3.211e-4	7.044e-3
negative regulation of dendritic cell cytokine production	GO:0002731	1	JAK3	1	6	3114.50	3.211e-4	7.044e-3
positive regulation of tolerance induction to self antigen	GO:0002651	1	TGFBR2	1	6	3114.50	3.211e-4	7.044e-3
positive regulation of B cell tolerance induction	GO:0002663	1	TGFBR2	1	6	3114.50	3.211e-4	7.044e-3
cell proliferation involved in endocardial cushion morphogenesis	GO:1905315	1	TGFBR2	1	6	3114.50	3.211e-4	7.044e-3