

GeDiPNet Cluster 297 -- 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 15:51:50

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
interleukin-18-mediated signaling pathway	GO:0035655	3	PDGFB, AKT1, NLRP6	14	25	160.17	7.624e-7	6.666e-5
negative regulation of gene expression	GO:0010629	6	SMO, PDGFB, AKT1, HES1, PGR, PIK3CA	339	25	13.23	4.513e-6	2.764e-4
negative regulation of proteolysis	GO:0045861	3	AKT1, CST3, CSTB	27	25	83.05	6.057e-6	3.497e-4
paracrine signaling	GO:0038001	2	PDGFB, PGR	7	25	213.57	3.594e-5	1.405e-3
positive regulation of gene expression	GO:0010628	6	BRAF, SMO, PDGFB, AKT1, HES1, PGR	504	25	8.90	4.276e-5	1.602e-3
positive regulation of smooth muscle cell proliferation	GO:0048661	3	PDGFB, AKT1, PIK3CA	52	25	43.12	4.476e-5	1.658e-3
spinal cord dorsal/ventral patterning	GO:0021513	2	SMO, SUFU	8	25	186.87	4.788e-5	1.738e-3
forebrain morphogenesis	GO:0048853	2	SMO, PTEN	10	25	149.50	7.682e-5	2.491e-3
epidermal growth factor receptor signaling pathway	GO:0007173	3	BRAF, AKT1, PIK3CA	64	25	35.04	8.350e-5	2.643e-3
anoikis	GO:0043276	2	AKT1, PIK3CA	12	25	124.58	1.125e-4	3.301e-3
protein K29-linked ubiquitination	GO:0035519	2	AKT1, TRAF7	12	25	124.58	1.125e-4	3.301e-3
positive regulation of organ growth	GO:0046622	2	SMO, AKT1	13	25	115.00	1.328e-4	3.744e-3
mammary gland epithelial cell differentiation	GO:0060644	2	SMO, AKT1	14	25	106.78	1.548e-4	4.195e-3
negative regulation of macroautophagy	GO:0016242	2	AKT1, PIK3CA	14	25	106.78	1.548e-4	4.195e-3
negative regulation of osteoblast proliferation	GO:0033689	2	MN1, NF2	14	25	106.78	1.548e-4	4.195e-3