

GeDiPNet Cluster 350 -- 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 13:23:24

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to hypoxia	GO:0001666	7	ENG, TGFBR3, MMP2, CXCL12, CXCR4, MTHFR, TGFB1	176	30	24.77	9.891e-9	1.694e-6
transforming growth factor beta receptor signaling pathway	GO:0007179	6	COL3A1, ENG, TGFBR3, COL1A2, HIPK2, TGFB1	112	30	33.37	2.139e-8	3.312e-6
positive regulation of vasculature development	GO:1904018	3	CXCL12, CXCR4, TGFB1	5	30	373.74	3.726e-8	5.273e-6
heart development	GO:0007507	7	COL3A1, ENG, MMP2, PKD1, PKD2, SOX17, TGFB1	273	30	15.97	2.009e-7	2.177e-5
positive regulation of smooth muscle cell proliferation	GO:0048661	4	IL6, MMP2, FGF2, TGFB1	52	30	47.92	1.385e-6	1.074e-4
cellular response to amino acid stimulus	GO:0071230	4	COL3A1, COL1A2, MMP2, COL1A1	64	30	38.93	3.206e-6	2.108e-4
regulation of cell cycle	GO:0051726	6	BCL2, PKD1, PKD2, FGF2, HIPK2, TGFB1	262	30	14.26	3.211e-6	2.111e-4
cellular response to transforming growth factor beta stimulus	GO:0071560	4	TGFBR3, ACTA2, COL1A1, TGFB1	67	30	37.19	3.855e-6	2.440e-4
blood vessel development	GO:0001568	4	COL3A1, COL1A2, PKD1, COL1A1	70	30	35.59	4.596e-6	2.808e-4
cell migration	GO:0016477	6	ENG, TGFBR3, BCL2, MMP2, MMP9, CXCR4	303	30	12.33	7.399e-6	4.109e-4
positive regulation of gene expression	GO:0010628	7	TGFBR3, IL6, PKD2, SOX17, ACTA2, FGF2, TGFB1	504	30	8.65	1.183e-5	5.941e-4
animal organ regeneration	GO:0031100	3	TGFBR3, CXCL12, TGFB1	28	30	66.74	1.190e-5	5.970e-4
metanephric ascending thin limb development	GO:0072218	2	PKD1, PKD2	4	30	311.45	1.492e-5	7.148e-4
positive regulation of cell population proliferation	GO:0008284	7	BCL2, IL6, KMT2D, CXCL12, FGF2, HIPK2, TGFB1	532	30	8.20	1.678e-5	7.829e-4
face morphogenesis	GO:0060325	3	MMP2, COL1A1, TGFB1	33	30	56.63	1.972e-5	8.877e-4