

GeDiPNet Cluster 76 -- 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 07:05:24

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
collagen fibril organization	GO:0030199	5	COL1A1, TGFB2, COL1A2, COL5A1, LOXL4	65	38	37.83	2.000e-7	2.204e-5
blood vessel development	GO:0001568	5	COL1A1, TGFB2, HIF1A, COL1A2, COL5A1	70	38	35.13	2.909e-7	3.003e-5
skeletal system development	GO:0001501	6	COL1A1, TGFB2, COL1A2, ANKH, FGFR3, TP63	151	38	19.54	5.619e-7	5.218e-5
skin morphogenesis	GO:0043589	3	COL1A1, COL1A2, TP63	13	38	113.48	2.188e-6	1.576e-4
cellular response to mycophenolic acid	GO:0071506	2	EGR1, PDGFB	2	38	491.76	4.027e-6	2.573e-4
positive regulation of miRNA transcription	GO:1902895	4	EGR1, TGFB2, HIF1A, PDGFB	56	38	35.13	4.948e-6	3.032e-4
bone mineralization	GO:0030282	4	HIF1A, COL1A2, ANKH, FGFR3	56	38	35.13	4.948e-6	3.032e-4
positive regulation of hormone biosynthetic process	GO:0046886	2	EGR1, HIF1A	3	38	327.84	1.206e-5	6.112e-4
regulation of transforming growth factor beta2 production	GO:0032909	2	TGFB2, HIF1A	4	38	245.88	2.410e-5	1.047e-3
response to hypoxia	GO:0001666	5	EGR1, TGFB2, HIF1A, NOS2, TRPV4	176	38	13.97	2.732e-5	1.153e-3
cartilage development	GO:0051216	4	TIMP1, HIF1A, FGFR3, CSGALNACT1	89	38	22.10	3.135e-5	1.279e-3
endochondral ossification	GO:0001958	3	COL1A1, FGFR3, CSGALNACT1	31	38	47.59	3.353e-5	1.349e-3
connective tissue replacement involved in inflammatory response wound healing	GO:0002248	2	TIMP1, HIF1A	5	38	196.71	4.011e-5	1.552e-3
neural crest cell migration	GO:0001755	3	HIF1A, SEMA3A, SEMA3D	47	38	31.39	1.183e-4	3.494e-3
cartilage development involved in endochondral bone morphogenesis	GO:0060351	2	COL1A1, TRPV4	9	38	109.28	1.437e-4	4.049e-3