

GeDiPNet Cluster 74 -- 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: 2026-10-10 03:23:26. · Rows: 15 · Generated: 2026-10-10 07:35:06

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
animal organ morphogenesis	GO:0009887	5	PAX6, FGFR2, MSX1, PITX2, TBX3	130	18	39.93	1.202e-7	1.436e-5
negative regulation of transcription by RNA polymerase II	GO:0000122	8	PAX6, EDN1, HDAC9, HSPA1A, FGFR2, MSX1, PITX2, TBX3	1002	18	8.29	1.796e-6	1.371e-4
embryonic hindlimb morphogenesis	GO:0035116	3	MSX1, PITX2, TBX3	29	18	107.40	2.699e-6	1.894e-4
pituitary gland development	GO:0021983	3	PAX6, MSX1, PITX2	30	18	103.82	2.997e-6	2.052e-4
in utero embryonic development	GO:0001701	5	EDN1, FGFR2, MSX1, PITX2, TBX3	252	18	20.60	3.182e-6	2.154e-4
embryonic forelimb morphogenesis	GO:0035115	3	MSX1, RUNX2, TBX3	33	18	94.38	4.021e-6	2.600e-4
odontogenesis	GO:0042476	3	FGFR2, MSX1, PITX2	36	18	86.51	5.252e-6	3.222e-4
signal transduction involved in regulation of gene expression	GO:0023019	3	PAX6, EDN1, MSX1	39	18	79.86	6.711e-6	3.933e-4
positive regulation of odontogenesis	GO:0042482	2	EDN1, MSX1	5	18	415.27	8.748e-6	4.877e-4
positive regulation of cell cycle	GO:0045787	3	FGFR2, MSX1, TBX3	44	18	70.78	9.696e-6	5.282e-4
skeletal system development	GO:0001501	4	EDN1, ANKH, RUNX2, TBX3	151	18	27.50	1.148e-5	6.017e-4
dorsal/ventral pattern formation	GO:0009953	3	PAX6, EDN1, LRP4	47	18	66.27	1.185e-5	6.168e-4
lacrimal gland development	GO:0032808	2	PAX6, FGFR2	7	18	296.62	1.835e-5	8.667e-4
cardiac neural crest cell migration involved in outflow tract morphogenesis	GO:0003253	2	EDN1, PITX2	7	18	296.62	1.835e-5	8.667e-4
bone mineralization	GO:0030282	3	ANKH, FGFR2, RUNX2	56	18	55.62	2.015e-5	9.335e-4