

GeDiPNet Cluster 322 -- 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 20:39:55

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
ossification	GO:0001503	5	BMP7, COL2A1, TNFSF11, IBSP, SPP1	110	24	35.39	2.507e-7	2.661e-5
skeletal system development	GO:0001501	5	BMP7, COL2A1, PTH, PTHLH, TNFRSF11B	151	24	25.78	1.210e-6	9.773e-5
positive regulation of estradiol secretion	GO:2000866	2	CYP19A1, SPP1	2	24	778.63	1.581e-6	1.211e-4
response to vitamin D	GO:0033280	3	BMP7, PTH, SPP1	21	24	111.23	2.438e-6	1.722e-4
response to macrophage colony-stimulating factor	GO:0036005	2	SPP1, TNF	4	24	389.31	9.470e-6	5.100e-4
cAMP metabolic process	GO:0046058	2	PTH, PTHLH	4	24	389.31	9.470e-6	5.100e-4
androgen catabolic process	GO:0006710	2	CYP19A1, SPP1	5	24	311.45	1.577e-5	7.563e-4
adenylate cyclase-activating G protein-coupled cAMP receptor signaling pathway	GO:0140582	2	PTH, PTHLH	5	24	311.45	1.577e-5	7.563e-4
extracellular matrix organization	GO:0030198	4	TNFRSF11B, ADAMTSL2, IBSP, TNF	145	24	21.48	3.275e-5	1.324e-3
chorio-allantoic fusion	GO:0060710	2	BMP7, WNT7B	7	24	222.46	3.307e-5	1.334e-3
bone mineralization	GO:0030282	3	PTH, PTHLH, IBSP	56	24	41.71	4.934e-5	1.814e-3
cellular response to molecule of bacterial origin	GO:0071219	2	AHR, TNF	9	24	173.03	5.660e-5	2.007e-3
embryonic skeletal joint morphogenesis	GO:0060272	2	BMP7, COL2A1	11	24	141.57	8.633e-5	2.773e-3
system development	GO:0048731	3	COL2A1, EPHB1, WNT7B	74	24	31.57	1.136e-4	3.393e-3
positive regulation of heterotypic cell-cell adhesion	GO:0034116	2	BMP7, TNF	13	24	119.79	1.222e-4	3.576e-3