

GeDiPNet Cluster 574 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-20 00:01:11

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
intracellular calcium ion homeostasis	GO:0006874	5	VDR, GCM2, PTH, CASR, PTH1R	113	20	41.34	1.067e-7	1.340e-5
bone resorption	GO:0045453	3	PTH, PTH1R, ACP5	26	20	107.81	2.683e-6	1.919e-4
negative regulation of cell population proliferation	GO:0008285	6	VDR, CDC73, MEN1, PTH1R, CDKN1B, IL6	444	20	12.63	5.081e-6	3.212e-4
adenylate cyclase-activating G protein-coupled cAMP receptor signaling pathway	GO:0140582	2	PTH, CASR	5	20	373.74	1.086e-5	5.797e-4
calcium ion homeostasis	GO:0055074	3	PTH, TRPV6, ALPL	42	20	66.74	1.172e-5	6.145e-4
skeletal system development	GO:0001501	4	VDR, PTH, PTH1R, ALPL	151	20	24.75	1.795e-5	8.537e-4
positive regulation of transcription by RNA polymerase II	GO:0045944	8	VDR, CDC73, GCM2, MEN1, AIRE, PTH, MAFB, IL6	1208	20	6.19	1.862e-5	8.752e-4
positive regulation of inositol phosphate biosynthetic process	GO:0060732	2	PTH, PTH1R	7	20	266.96	2.278e-5	1.019e-3
response to glucocorticoid	GO:0051384	3	CCND1, ALPL, IL6	53	20	52.89	2.373e-5	1.050e-3
response to calcium ion	GO:0051592	3	CASR, CCND1, TRPV6	55	20	50.96	2.654e-5	1.140e-3
bone mineralization	GO:0030282	3	PTH, PTH1R, ALPL	56	20	50.05	2.803e-5	1.187e-3
regulation of G1/S transition of mitotic cell cycle	GO:2000045	3	CCND1, TMEM14B, CDKN1B	57	20	49.18	2.956e-5	1.236e-3
negative regulation of cyclin-dependent protein serine/threonine kinase activity	GO:0045736	2	MEN1, CDKN1B	9	20	207.63	3.900e-5	1.527e-3
response to fibroblast growth factor	GO:0071774	2	PTH, CASR	11	20	169.88	5.951e-5	2.102e-3
negative regulation of lipid storage	GO:0010888	2	CRP, IL6	12	20	155.73	7.136e-5	2.404e-3