

GeDiPNet Cluster 28 -- 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 18:17:16

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
intracellular phosphate ion homeostasis	GO:0030643	4	FGF23, SLC34A3, ENPP1, SLC34A1	10	50	149.50	9.410e-9	1.584e-6
thyroid gland development	GO:0030878	5	MAP2K1, CGA, PAX8, NKX2-1, FOXE1	30	50	62.29	1.513e-8	2.418e-6
Ras protein signal transduction	GO:0007265	6	NRAS, RASGRP1, KRAS, HRAS, RB1, TP53	79	50	28.39	6.449e-8	8.401e-6
cellular senescence	GO:0090398	5	PRKCD, HRAS, MAP2K1, ATM, TP53	57	50	32.78	4.211e-7	4.087e-5
positive regulation of neuron apoptotic process	GO:0043525	5	CASP10, CASP8, FASLG, ATM, TP53	65	50	28.75	8.174e-7	7.097e-5
biomineral tissue development	GO:0031214	4	PHEX, DMP1, ENPP1, WDR72	35	50	42.71	2.233e-6	1.604e-4
MAPK cascade	GO:0000165	6	NRAS, KRAS, FGF23, FGFR3, HRAS, MAP2K1	147	50	15.25	2.556e-6	1.789e-4
cellular response to parathyroid hormone stimulus	GO:0071374	3	FGF23, PHEX, SLC34A1	11	50	101.93	2.929e-6	1.998e-4
response to magnesium ion	GO:0032026	3	FGF23, SLC34A1, ENTPD6	12	50	93.44	3.899e-6	2.507e-4
neuron apoptotic process	GO:0051402	5	KRAS, HRAS, RB1, ATM, TP53	98	50	19.07	6.290e-6	3.677e-4
positive regulation of gene expression	GO:0010628	9	ACTA2, KRAS, HRAS, MAP2K1, VDR, ATM, TP53, PPARG, NKX2-1	504	50	6.67	6.585e-6	3.814e-4
animal organ development	GO:0048513	5	CASP8, ENPP1, ADGRV1, NKX2-1, FOXE1	102	50	18.32	7.653e-6	4.315e-4
phosphate ion homeostasis	GO:0055062	3	FGF23, ENPP1, SLC34A1	15	50	74.75	8.017e-6	4.478e-4
thymus development	GO:0048538	4	MAP2K1, ATM, TYR, FOXE1	50	50	29.90	9.537e-6	5.129e-4
glial cell proliferation	GO:0014009	3	KRAS, RB1, TP53	18	50	62.29	1.430e-5	7.017e-4