

GeDiPNet Cluster 208 -- 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: 2026-10-09 03:23:08. · Rows: 15 · Generated: 2026-10-08 23:30:53

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
protein localization to CENP-A containing chromatin	GO:0061644	5	H4C3, H4C1, H4C11, H4C5, H4C9	18	44	117.97	4.793e-10	1.173e-7
negative regulation of megakaryocyte differentiation	GO:0045653	5	H4C3, H4C1, H4C11, H4C5, H4C9	20	44	106.18	8.643e-10	1.965e-7
telomere organization	GO:0032200	5	H4C3, H4C1, H4C11, H4C5, H4C9	28	44	75.84	5.403e-9	9.810e-7
nucleosome assembly	GO:0006334	6	ATRX, H4C3, H4C1, H4C11, H4C5, H4C9	119	44	21.41	3.403e-7	3.375e-5
regulation of gene expression	GO:0010468	7	AFF4, AHR, ATP7A, CYP1A2, DNMT3A, PIK3CA, PTHLH	402	44	7.40	3.902e-5	1.499e-3
insulin-like growth factor receptor signaling pathway	GO:0048009	3	IGF1R, IGF2, PIK3CA	33	44	38.61	6.325e-5	2.155e-3
chromatin organization	GO:0006325	7	ATRX, DNMT3A, H4C3, H4C1, H4C11, H4C5, H4C9	449	44	6.62	7.837e-5	2.530e-3
autosome genomic imprinting	GO:0141068	2	DNMT3A, PIK3CA	6	44	141.57	8.079e-5	2.590e-3
positive regulation of phosphatidylinositol 3-kinase/protein kinase B signal transduction	GO:0051897	5	CBL, GH1, IGF1R, IGF2, PIK3CA	217	44	9.79	1.515e-4	4.139e-3
protein localization to chromosome, telomeric region	GO:0070198	2	ATRX, TINF2	11	44	77.22	2.940e-4	6.662e-3
skeletal system development	GO:0001501	4	RAI1, LTBP3, PTHLH, SH3PXD2B	151	44	11.25	4.325e-4	8.710e-3
negative regulation of macroautophagy	GO:0016242	2	HMOX1, PIK3CA	14	44	60.67	4.843e-4	9.446e-3
osteoblast development	GO:0002076	2	ACHE, PTHLH	16	44	53.09	6.367e-4	1.140e-2
genomic imprinting	GO:0071514	2	DNMT3A, IGF2	17	44	49.97	7.205e-4	1.235e-2
insulin receptor signaling pathway	GO:0008286	3	IGF1R, IGF2, PIK3CA	80	44	15.93	8.817e-4	1.407e-2