

GeDiPNet Cluster 124 -- 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: 2026-10-07 03:23:06. · Rows: 15 · Generated: 2026-10-07 16:25:55

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
neuron migration	GO:0001764	14	AUTS2, FGFR1, TUBA1A, TUBB2A, DCX, PAFAH1B1, NDE1, ARX, ASPM, CEP85L, RELN, TUBB2B	132	87	22.78	1.330e-15	1.009e-12
microtubule cytoskeleton organization	GO:0000226	12	TUBA1A, TUBB2A, PAFAH1B1, TOGARAM1, TUBB3, APC2, TUBA3E, TUBB, TUBB2B, TUBG1, CDK5, TUBGCP2	149	87	17.30	4.480e-12	1.767e-9
microtubule-based process	GO:0007017	8	TUBA1A, TUBB2A, PAFAH1B1, TUBB3, TUBA3E, TUBB, TUBB2B, TUBG1	46	87	37.36	3.588e-11	1.140e-8
cerebral cortex development	GO:0021987	9	TUBA1A, TUBB2A, PAFAH1B1, NDE1, ASPM, FOXG1, RELN, TUBB2B, CDK5	88	87	21.97	2.847e-10	7.302e-8
forebrain development	GO:0030900	7	FOXP1, PAFAH1B1, NDE1, ARX, FOXG1, RELN, CDK5	76	87	19.78	6.252e-8	8.173e-6
cilium assembly	GO:0060271	10	KIAA0586, ARL3, B9D2, FAM149B1, IFT74, INPP5E, KIAA0753, TMEM216, TMEM237, TOGARAM1	237	87	9.06	1.516e-7	1.718e-5
nervous system development	GO:0007399	15	ARID1A, ARID1B, FZD3, L1CAM, OPHN1, SEMA6B, VLDLR, DCX, PAFAH1B1, NDE1, ARX, APC2	631	87	5.11	1.986e-7	2.157e-5
mitotic cell cycle	GO:0000278	8	TUBA1A, TUBB2A, TUBB3, TUBA3E, TUBB, TUBB2B, TUBG1, TUBGCP2	142	87	12.10	3.213e-7	3.221e-5
layer formation in cerebral cortex	GO:0021819	4	PAFAH1B1, RELN, CDK5, ADGRG1	18	87	47.73	1.276e-6	1.008e-4
protein O-linked glycosylation via mannose	GO:0035269	4	POMGNT1, POMT1, POMT2, TMTC3	18	87	47.73	1.276e-6	1.008e-4
cell migration	GO:0016477	10	FGFR1, L1CAM, LAMB1, PAFAH1B1, NDE1, APC2, CTNNA2, RELN, CDK5, ADGRG1	303	87	7.09	1.439e-6	1.107e-4
cell division	GO:0051301	11	TUBA1A, PAFAH1B1, ARL3, CHMP1A, NDE1, CEP55, ASPM, DYNC1H1, TUBB, KATNB1, CDK5	406	87	5.82	2.833e-6	1.902e-4
neuroblast proliferation	GO:0007405	5	PAFAH1B1, NDE1, ASPM, FOXG1, NBN	48	87	22.37	2.848e-6	1.908e-4
interneuron migration	GO:1904936	3	PAFAH1B1, ARX, RELN	11	87	58.58	1.565e-5	7.437e-4
hippocampus development	GO:0021766	5	SEMA6B, TUBA1A, PAFAH1B1, RELN, CDK5	74	87	14.51	2.437e-5	1.044e-3