

GeDiPNet Cluster 608 -- 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 00:01:23

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
layer formation in cerebral cortex	GO:0021819	2	RELN, CDK5	18	3	692.11	2.627e-6	1.886e-4
protein localization to synapse	GO:0035418	2	RELN, CDK5	19	3	655.68	2.936e-6	2.062e-4
associative learning	GO:0008306	2	RELN, CDK5	40	3	311.45	1.338e-5	6.821e-4
hippocampus development	GO:0021766	2	RELN, CDK5	74	3	168.35	4.629e-5	1.746e-3
forebrain development	GO:0030900	2	RELN, CDK5	76	3	163.92	4.884e-5	1.813e-3
cerebral cortex development	GO:0021987	2	RELN, CDK5	88	3	141.57	6.557e-5	2.259e-3
neuron migration	GO:0001764	2	RELN, CDK5	132	3	94.38	1.479e-4	4.094e-3
spinal cord patterning	GO:0021511	1	RELN	1	3	6229.00	1.605e-4	4.340e-3
positive regulation of lateral motor column neuron migration	GO:1902078	1	RELN	1	3	6229.00	1.605e-4	4.340e-3
positive regulation of presynaptic cytosolic calcium concentration	GO:0099533	1	CDK5	1	3	6229.00	1.605e-4	4.340e-3
negative regulation of calcium ion-dependent exocytosis of neurotransmitter	GO:1903234	1	CDK5	1	3	6229.00	1.605e-4	4.340e-3
regulation of synaptic vesicle recycling	GO:1903421	1	CDK5	2	3	3114.50	3.211e-4	7.044e-3
lateral motor column neuron migration	GO:0097477	1	RELN	3	3	2076.33	4.816e-4	9.241e-3
cerebellar cortex formation	GO:0021697	1	CDK5	3	3	2076.33	4.816e-4	9.241e-3
post-translational protein acetylation	GO:0034421	1	ESCO2	3	3	2076.33	4.816e-4	9.241e-3