

GeDiPNet Cluster 280 -- 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 16:25:47

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
brain development	GO:0007420	4	CHD8, FOXP1, MYH10, RAB3GAP1	244	8	38.29	1.905e-6	1.383e-4
regulation of calcium ion-dependent exocytosis of neurotransmitter	GO:1903233	1	RAB3GAP1	2	8	1167.94	8.560e-4	1.360e-2
positive regulation of glutamate neurotransmitter secretion in response to membrane depolarization	GO:0061646	1	RAB3GAP1	2	8	1167.94	8.560e-4	1.360e-2
fourth ventricle development	GO:0021592	1	MYH10	2	8	1167.94	8.560e-4	1.360e-2
pyramidal neuron migration to cerebral cortex	GO:0021852	1	FOXP1	3	8	778.63	1.284e-3	1.747e-2
establishment of protein localization to endoplasmic reticulum membrane	GO:0097051	1	RAB3GAP1	3	8	778.63	1.284e-3	1.747e-2
positive regulation of endoplasmic reticulum tubular network organization	GO:1903373	1	RAB3GAP1	3	8	778.63	1.284e-3	1.747e-2
positive regulation of protein lipidation	GO:1903061	1	RAB3GAP1	4	8	583.97	1.711e-3	2.068e-2
axon midline choice point recognition	GO:0016199	1	FOXP1	5	8	467.18	2.139e-3	2.343e-2
third ventricle development	GO:0021678	1	MYH10	5	8	467.18	2.139e-3	2.343e-2
mitochondrion-endoplasmic reticulum membrane tethering	GO:1990456	1	PDZD8	8	8	291.98	3.420e-3	3.030e-2
negative regulation of fibroblast apoptotic process	GO:2000270	1	CHD8	8	8	291.98	3.420e-3	3.030e-2
neuron fate determination	GO:0048664	1	FOXP1	8	8	291.98	3.420e-3	3.030e-2
substrate-dependent cell migration, cell extension	GO:0006930	1	MYH10	10	8	233.59	4.274e-3	3.381e-2
axonogenesis involved in innervation	GO:0060385	1	COL25A1	10	8	233.59	4.274e-3	3.381e-2