

GeDiPNet Cluster 624 -- 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: 2026-10-19 23:18:39

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
postsynaptic membrane organization	GO:0001941	1	CHRNA1	2	1	9343.50	1.070e-4	3.249e-3
behavioral response to nicotine	GO:0035095	1	CHRNA1	9	1	2076.33	4.816e-4	9.241e-3
muscle cell development	GO:0055001	1	CHRNA1	23	1	812.48	1.231e-3	1.640e-2
synaptic transmission, cholinergic	GO:0007271	1	CHRNA1	25	1	747.48	1.338e-3	1.709e-2
acetylcholine receptor signaling pathway	GO:0095500	1	CHRNA1	28	1	667.39	1.498e-3	1.821e-2
neuromuscular synaptic transmission	GO:0007274	1	CHRNA1	31	1	602.81	1.659e-3	1.929e-2
membrane depolarization	GO:0051899	1	CHRNA1	32	1	583.97	1.712e-3	1.958e-2
skeletal muscle contraction	GO:0003009	1	CHRNA1	32	1	583.97	1.712e-3	1.958e-2
nervous system process	GO:0050877	1	CHRNA1	53	1	352.58	2.836e-3	2.543e-2
regulation of postsynaptic membrane potential	GO:0060078	1	CHRNA1	59	1	316.73	3.157e-3	2.689e-2
monoatomic cation transport	GO:0006812	1	CHRNA1	61	1	306.34	3.264e-3	2.725e-2
excitatory postsynaptic potential	GO:0060079	1	CHRNA1	69	1	270.83	3.692e-3	2.892e-2
regulation of membrane potential	GO:0042391	1	CHRNA1	85	1	219.85	4.549e-3	3.200e-2
muscle contraction	GO:0006936	1	CHRNA1	85	1	219.85	4.549e-3	3.200e-2
monoatomic ion transmembrane transport	GO:0034220	1	CHRNA1	404	1	46.25	2.162e-2	6.781e-2