

GeDiPNet Cluster 578 -- 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 23:20:04

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
regulation of acetylcholine secretion, neurotransmission	GO:0014056	1	CHRNA3	1	3	6229.00	1.605e-4	4.340e-3
calcitonin catabolic process	GO:0010816	1	ECE1	1	3	6229.00	1.605e-4	4.340e-3
endothelin maturation	GO:0034959	1	ECE1	1	3	6229.00	1.605e-4	4.340e-3
substance P catabolic process	GO:0010814	1	ECE1	3	3	2076.33	4.816e-4	9.241e-3
semaphorin-plexin signaling pathway involved in axon guidance	GO:1902287	1	ECE1	3	3	2076.33	4.816e-4	9.241e-3
synaptic transmission involved in micturition	GO:0060084	1	CHRNA3	4	3	1557.25	6.421e-4	1.113e-2
actin filament-based process	GO:0030029	1	ELMO1	4	3	1557.25	6.421e-4	1.113e-2
sympathetic neuron axon guidance	GO:0097492	1	ECE1	4	3	1557.25	6.421e-4	1.113e-2
hormone catabolic process	GO:0042447	1	ECE1	5	3	1245.80	8.025e-4	1.283e-2
regulation of systemic arterial blood pressure by endothelin	GO:0003100	1	ECE1	6	3	1038.17	9.630e-4	1.423e-2
bradykinin catabolic process	GO:0010815	1	ECE1	7	3	889.86	1.123e-3	1.550e-2
response to acetylcholine	GO:1905144	1	CHRNA3	8	3	778.63	1.284e-3	1.669e-2
behavioral response to nicotine	GO:0035095	1	CHRNA3	9	3	692.11	1.444e-3	1.794e-2
axonogenesis involved in innervation	GO:0060385	1	ECE1	10	3	622.90	1.605e-3	1.885e-2
positive regulation of receptor recycling	GO:0001921	1	ECE1	14	3	444.93	2.246e-3	2.244e-2