

GeDiPNet Cluster 395 -- 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 02:20:07

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to amphetamine	GO:0001975	3	CNR2, RGS2, SLC18A2	31	19	95.18	3.934e-6	2.478e-4
regulation of locomotion	GO:0040012	2	SNCA, FBXO7	6	19	327.84	1.466e-5	7.039e-4
dopamine uptake involved in synaptic transmission	GO:0051583	2	SNCA, PRKN	6	19	327.84	1.466e-5	7.039e-4
negative regulation of neuron apoptotic process	GO:0043524	4	SNCA, GDNF, PRKN, FBXO7	160	19	24.59	1.815e-5	8.310e-4
response to lipopolysaccharide	GO:0032496	4	SNCA, ABCB1, CNR2, NOS2	161	19	24.44	1.860e-5	8.461e-4
cellular response to manganese ion	GO:0071287	2	ATP13A2, PRKN	7	19	281.01	2.051e-5	9.164e-4
adult locomotory behavior	GO:0008344	3	SNCA, GDNF, PRKN	56	19	52.69	2.387e-5	1.027e-3
cellular response to L-glutamate	GO:1905232	2	ABCB1, PRKN	9	19	218.56	3.511e-5	1.379e-3
regulation of protein localization to nucleus	GO:1900180	2	ATP13A2, SHH	10	19	196.71	4.386e-5	1.634e-3
response to toxic substance	GO:0009636	3	FMC1, PON1, SLC18A2	83	19	35.55	7.777e-5	2.513e-3
negative regulation of oxidative stress-induced neuron intrinsic apoptotic signaling pathway	GO:1903377	2	PRKN, FBXO7	14	19	140.50	8.848e-5	2.762e-3
response to xenobiotic stimulus	GO:0009410	4	SNCA, ABCB1, BCHE, PRKN	248	19	15.86	1.003e-4	3.030e-3
regulation of dopamine secretion	GO:0014059	2	SNCA, PRKN	15	19	131.14	1.020e-4	3.068e-3
synaptic transmission, dopaminergic	GO:0001963	2	SNCA, PRKN	15	19	131.14	1.020e-4	3.068e-3
positive regulation of mitophagy	GO:1901526	2	PRKN, FBXO7	15	19	131.14	1.020e-4	3.068e-3