

GeDiPNet Cluster 397 -- 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 00:26:38

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
serotonin metabolic process	GO:0042428	2	HTR1A, ATP7A	10	15	249.16	2.696e-5	1.127e-3
chemical synaptic transmission	GO:0007268	4	HTR1A, SLC6A5, APP, CHRND	236	15	21.12	3.034e-5	1.230e-3
neuron projection maintenance	GO:1990535	2	APP, INS	13	15	191.66	4.667e-5	1.706e-3
positive regulation of adipose tissue development	GO:1904179	2	PARP1, SIRT1	13	15	191.66	4.667e-5	1.706e-3
locomotory behavior	GO:0007626	3	APP, ATP7A, SOD1	99	15	37.75	6.266e-5	2.132e-3
removal of superoxide radicals	GO:0019430	2	ATP7A, SOD1	15	15	166.11	6.277e-5	2.133e-3
cellular response to oxygen-containing compound	GO:1901701	2	INS, PARP1	16	15	155.73	7.170e-5	2.359e-3
fatty acid homeostasis	GO:0055089	2	INS, SIRT1	18	15	138.42	9.133e-5	2.827e-3
intracellular copper ion homeostasis	GO:0006878	2	APP, ATP7A	18	15	138.42	9.133e-5	2.827e-3
negative regulation of oxidative stress-induced intrinsic apoptotic signaling pathway	GO:1902176	2	INS, SIRT1	18	15	138.42	9.133e-5	2.827e-3
positive regulation of superoxide anion generation	GO:0032930	2	APP, SOD1	20	15	124.58	1.133e-4	3.319e-3
positive regulation of insulin receptor signaling pathway	GO:0046628	2	INS, SIRT1	20	15	124.58	1.133e-4	3.319e-3
positive regulation of long-term synaptic potentiation	GO:1900273	2	APP, INS	24	15	103.82	1.643e-4	4.388e-3
positive regulation of glycolytic process	GO:0045821	2	APP, INS	24	15	103.82	1.643e-4	4.388e-3
DNA repair-dependent chromatin remodeling	GO:0140861	2	PARP1, SIRT1	25	15	99.66	1.785e-4	4.667e-3