

GeDiPNet Cluster 412 -- 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: 2026-10-08 03:23:04. · Rows: 15 · Generated: 2026-10-08 17:25:06

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
vocal learning	GO:0042297	4	CNTNAP2, FOXP2, HTT, NRXN1	8	122	76.59	1.186e-7	1.411e-5
proteoglycan biosynthetic process	GO:0030166	4	CHST8, CHST9, CSGALNACT1, XYLT1	21	122	29.18	9.497e-6	5.109e-4
positive regulation of inositol 1,4,5-trisphosphate-sensitive calcium-release channel activity	GO:0031587	2	HTT, HAP1	2	122	153.17	4.228e-5	1.618e-3
triglyceride homeostasis	GO:0070328	4	ABCG5, ANGPTL4, APOE, CETP	38	122	16.12	1.075e-4	3.263e-3
axon development	GO:0061564	4	L1CAM, MAPT, MARK2, NEUROD2	40	122	15.32	1.318e-4	3.798e-3
low-density lipoprotein particle remodeling	GO:0034374	3	APOB, APOE, CETP	16	122	28.72	1.429e-4	4.032e-3
vocalization behavior	GO:0071625	3	CNTNAP2, FOXP2, NRXN1	19	122	24.19	2.437e-4	5.904e-3
negative regulation of protein secretion	GO:0050709	3	CYP51A1, DRD4, APOE	22	122	20.89	3.818e-4	8.130e-3
cellular response to amyloid-beta	GO:1904646	4	EPHA4, FOXO3, APOB, APOE	53	122	11.56	3.955e-4	8.330e-3
cellular response to lipoprotein particle stimulus	GO:0071402	2	APOB, APOE	5	122	61.27	4.174e-4	8.652e-3
NMDA glutamate receptor clustering	GO:0097114	2	NRXN1, APOE	5	122	61.27	4.174e-4	8.652e-3
antral ovarian follicle growth	GO:0001547	2	FOXO3, ESR1	5	122	61.27	4.174e-4	8.652e-3
lipoprotein biosynthetic process	GO:0042158	2	APOB, APOE	6	122	51.06	6.234e-4	1.137e-2
chondroitin sulfate proteoglycan biosynthetic process	GO:0050650	3	CHST9, CSGALNACT1, XYLT1	26	122	17.67	6.325e-4	1.147e-2
neuron projection development	GO:0031175	6	CNTNAP2, L1CAM, MAPT, NRXN1, APOE, TNC	161	122	5.71	6.614e-4	1.178e-2