

GeDiPNet Cluster 651 -- 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: 2026-10-21 12:39:04. · Rows: 15 · Generated: 2026-10-21 08:34:01

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
positive regulation of neuron projection arborization	GO:0150012	2	DLG4, DVL2	8	27	173.03	5.599e-5	1.961e-3
negative regulation of fatty acid oxidation	GO:0046322	2	ACADL, ACADVL	10	27	138.42	8.982e-5	2.798e-3
fatty acid beta-oxidation using acyl-CoA dehydrogenase	GO:0033539	2	ACADL, ACADVL	11	27	125.84	1.097e-4	3.243e-3
regulation of cholesterol metabolic process	GO:0090181	2	ACADL, ACADVL	15	27	92.28	2.087e-4	5.148e-3
temperature homeostasis	GO:0001659	2	ACADL, ACADVL	23	27	60.18	4.992e-4	9.307e-3
negative regulation of fatty acid biosynthetic process	GO:0045717	2	ACADL, ACADVL	24	27	57.68	5.441e-4	9.828e-3
stress fiber assembly	GO:0043149	2	ELN, LIMK1	24	27	57.68	5.441e-4	9.828e-3
positive regulation of excitatory postsynaptic potential	GO:2000463	2	DLG4, STX1A	32	27	43.26	9.708e-4	1.406e-2
non-canonical Wnt signaling pathway	GO:0035567	2	DVL2, FZD3	33	27	41.95	1.033e-3	1.469e-2
Wnt signaling pathway, planar cell polarity pathway	GO:0060071	2	DVL2, FZD3	34	27	40.71	1.096e-3	1.515e-2
transition between slow and fast fiber	GO:0014886	1	GTF2IRD1	1	27	692.11	1.445e-3	1.764e-2
carnitine catabolic process	GO:0042413	1	ACADL	1	27	692.11	1.445e-3	1.764e-2
negative regulation of mitotic chromosome condensation	GO:1905213	1	BAZ1B	2	27	346.06	2.888e-3	2.520e-2
negative regulation of mitotic cell cycle, embryonic	GO:0045976	1	FZD3	2	27	346.06	2.888e-3	2.520e-2
regulation of respiratory burst involved in inflammatory response	GO:0060264	1	NCF1	2	27	346.06	2.888e-3	2.520e-2