

GeDiPNet Cluster 170 -- 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 06:36:39

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
nerve growth factor signaling pathway	GO:0038180	3	NGF, BDNF, NTF3	14	19	210.76	3.221e-7	3.261e-5
nerve development	GO:0021675	3	NGF, BDNF, NTF3	19	19	155.29	8.546e-7	7.376e-5
endodermal cell differentiation	GO:0035987	3	ITGB2, LAMA3, MMP9	36	19	81.96	6.229e-6	3.648e-4
negative regulation of neuron apoptotic process	GO:0043524	4	NGF, BDNF, NES, NTF3	160	19	24.59	1.815e-5	8.443e-4
positive regulation of collateral sprouting	GO:0048672	2	NGF, BDNF	9	19	218.56	3.511e-5	1.401e-3
neuron projection morphogenesis	GO:0048812	3	NGF, BDNF, NTF3	70	19	42.15	4.672e-5	1.743e-3
positive regulation of phosphatidylinositol 3-kinase/protein kinase B signal transduction	GO:0051897	4	FGF2, NGF, HBEGF, NTF3	217	19	18.13	5.978e-5	2.094e-3
positive regulation of keratinocyte migration	GO:0051549	2	MMP9, HBEGF	12	19	163.92	6.425e-5	2.217e-3
cell surface receptor protein tyrosine kinase signaling pathway	GO:0007169	3	NGF, BDNF, NTF3	120	19	24.59	2.321e-4	5.709e-3
modulation of chemical synaptic transmission	GO:0050804	3	NGF, BDNF, NTF3	121	19	24.38	2.379e-4	5.804e-3
leukocyte cell-cell adhesion	GO:0007159	2	ITGB2, FERMT3	33	19	59.61	5.075e-4	9.839e-3
regulation of heart rate	GO:0002027	2	OXT, SLC8A1	39	19	50.44	7.097e-4	1.238e-2
collagen catabolic process	GO:0030574	2	MMP9, PEPD	41	19	47.98	7.844e-4	1.325e-2
GDP-fucose import into Golgi lumen	GO:0036085	1	SLC35C1	1	19	983.53	1.017e-3	1.554e-2
cocaine metabolic process	GO:0050783	1	BCHE	1	19	983.53	1.017e-3	1.554e-2