

GeDiPNet Cluster 118 -- 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 12:43:40

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
response to ethanol	GO:0045471	8	DRD2, GNRH1, DRD3, SLC6A3, TH, FOSB, CAT, PENK	110	37	36.73	3.730e-11	1.181e-8
regulation of dopamine uptake involved in synaptic transmission	GO:0051584	4	DRD2, DRD3, DRD1, GDNF	5	37	404.04	6.492e-11	1.944e-8
behavioral response to cocaine	GO:0048148	5	DRD2, DRD3, FOSB, DRD1, HOMER1	17	37	148.55	1.397e-10	3.888e-8
response to cocaine	GO:0042220	5	DRD2, DRD3, SLC6A3, FOSB, DRD1	35	37	72.15	7.143e-9	1.279e-6
prepulse inhibition	GO:0060134	4	DRD2, DRD3, SLC6A3, DRD1	14	37	144.30	1.283e-8	2.123e-6
synaptic transmission, dopaminergic	GO:0001963	4	DRD2, DRD3, TH, DRD1	15	37	134.68	1.747e-8	2.777e-6
locomotory behavior	GO:0007626	6	DRD2, DRD3, SLC6A3, TH, DRD1, PENK	99	37	30.61	3.861e-8	5.446e-6
negative regulation of protein secretion	GO:0050709	4	DRD2, APOE, DRD3, INS	22	37	91.83	9.272e-8	1.130e-5
positive regulation of MAPK cascade	GO:0043410	7	IGF1, IL6, LIF, DRD1, RASGRF1, INS, GH1	224	37	15.78	2.455e-7	2.577e-5
hyaloid vascular plexus regression	GO:1990384	3	DRD2, SLC6A3, TH	7	37	216.45	2.487e-7	2.607e-5
cell surface receptor signaling pathway via STAT	GO:0097696	4	IGF1, IL6, LIF, GH1	28	37	72.15	2.573e-7	2.682e-5
response to amphetamine	GO:0001975	4	RGS9, DRD2, FOSB, DRD1	31	37	65.17	3.938e-7	3.827e-5
phospholipase C-activating dopamine receptor signaling pathway	GO:0060158	3	DRD2, DRD3, DRD1	8	37	189.40	3.974e-7	3.854e-5
dopamine biosynthetic process	GO:0042416	3	SLC6A3, TH, GCH1	9	37	168.35	5.953e-7	5.423e-5
G protein-coupled dopamine receptor signaling pathway	GO:0007212	3	RGS9, DRD2, DRD1	9	37	168.35	5.953e-7	5.423e-5