

GeDiPNet Cluster 293 -- 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 08:40:33

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
chemical synaptic transmission	GO:0007268	6	NLGN3, MECP2, PTCHD1, CACNA1A, CACNB4, SLC1A3	236	15	31.67	1.733e-8	2.715e-6
social behavior	GO:0035176	4	NLGN3, NLGN4X, MECP2, PTCHD1	58	15	85.92	1.112e-7	1.335e-5
learning	GO:0007612	3	NLGN3, NLGN4X, MECP2	64	15	58.40	1.693e-5	7.993e-4
presynaptic membrane assembly	GO:0097105	2	NLGN3, NLGN4X	9	15	276.84	2.158e-5	9.673e-4
regulation of respiratory gaseous exchange by nervous system process	GO:0002087	2	NLGN3, MECP2	13	15	191.66	4.667e-5	1.743e-3
presynapse assembly	GO:0099054	2	NLGN3, NLGN4X	14	15	177.97	5.442e-5	1.952e-3
neuron cell-cell adhesion	GO:0007158	2	NLGN3, NLGN4X	16	15	155.73	7.170e-5	2.410e-3
startle response	GO:0001964	2	MECP2, KCNA1	18	15	138.42	9.133e-5	2.893e-3
vocalization behavior	GO:0071625	2	NLGN3, NLGN4X	19	15	131.14	1.020e-4	3.140e-3
modulation of chemical synaptic transmission	GO:0050804	3	NLGN3, NLGN4X, CACNA1A	121	15	30.89	1.138e-4	3.398e-3
monoatomic ion transport	GO:0006811	5	CACNA1A, CACNB4, KCNA1, SCN2A, SLC1A3	667	15	9.34	1.272e-4	3.691e-3
monoatomic ion transmembrane transport	GO:0034220	4	CACNA1A, CACNB4, KCNA1, SCN2A	404	15	12.33	2.432e-4	5.894e-3
neuronal action potential	GO:0019228	2	KCNA1, SCN2A	34	15	73.28	3.324e-4	7.356e-3
long-term memory	GO:0007616	2	MECP2, PTCHD1	37	15	67.34	3.941e-4	8.318e-3
adult behavior	GO:0030534	2	NLGN3, NLGN4X	37	15	67.34	3.941e-4	8.318e-3