

GeDiPNet Cluster 568 -- 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: 2026-10-20 03:23:14. · Rows: 15 · Generated: 2026-10-19 23:18:33

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
directional locomotion	GO:0033058	1	GRIN2C	3	3	2076.33	4.816e-4	9.241e-3
protein localization to postsynaptic membrane	GO:1903539	1	GRIN2C	3	3	2076.33	4.816e-4	9.241e-3
mitochondrial protein quality control	GO:0141164	1	TMEM126A	4	3	1557.25	6.421e-4	1.113e-2
protein insertion into mitochondrial inner membrane from matrix	GO:0032979	1	TMEM126A	5	3	1245.80	8.025e-4	1.283e-2
calcium ion transmembrane import into cytosol	GO:0097553	1	GRIN2C	10	3	622.90	1.605e-3	1.885e-2
regulation of monoatomic cation transmembrane transport	GO:1904062	1	GRIN2C	10	3	622.90	1.605e-3	1.885e-2
excitatory chemical synaptic transmission	GO:0098976	1	GRIN2C	13	3	479.15	2.086e-3	2.170e-2
optic nerve development	GO:0021554	1	TMEM126A	15	3	415.27	2.406e-3	2.324e-2
ubiquinone biosynthetic process	GO:0006744	1	FDXR	17	3	366.41	2.727e-3	2.484e-2
glutamate receptor signaling pathway	GO:0007215	1	GRIN2C	19	3	327.84	3.047e-3	2.623e-2
ionotropic glutamate receptor signaling pathway	GO:0035235	1	GRIN2C	23	3	270.83	3.688e-3	2.890e-2
regulation of neuronal synaptic plasticity	GO:0048168	1	GRIN2C	26	3	239.58	4.168e-3	3.062e-2
positive regulation of synaptic transmission, glutamatergic	GO:0051968	1	GRIN2C	28	3	222.46	4.489e-3	3.173e-2
positive regulation of excitatory postsynaptic potential	GO:2000463	1	GRIN2C	32	3	194.66	5.129e-3	3.369e-2
mitochondrial respiratory chain complex I assembly	GO:0032981	1	TMEM126A	40	3	155.73	6.408e-3	3.733e-2