

GeDiPNet Cluster 492 -- 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 23:18:56

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
mitochondrial ATP transmembrane transport	GO:1990544	2	SLC25A24, SLC25A4	8	2	2335.88	1.604e-7	1.890e-5
ADP transport	GO:0015866	2	SLC25A24, SLC25A4	9	2	2076.33	2.062e-7	2.318e-5
adenine nucleotide transport	GO:0051503	1	SLC25A24	3	2	3114.50	3.211e-4	7.044e-3
mitochondrial ADP transmembrane transport	GO:0140021	1	SLC25A4	5	2	1868.70	5.351e-4	9.880e-3
adenine transport	GO:0015853	1	SLC25A4	6	2	1557.25	6.421e-4	1.113e-2
transmembrane transport	GO:0055085	2	SLC25A24, SLC25A4	557	2	33.55	8.869e-4	1.365e-2
regulation of mitochondrial membrane permeability	GO:0046902	1	SLC25A4	12	2	778.63	1.284e-3	1.669e-2
ATP transport	GO:0015867	1	SLC25A24	12	2	778.63	1.284e-3	1.669e-2
negative regulation of mitochondrial outer membrane permeabilization involved in apoptotic signaling pathway	GO:1901029	1	SLC25A4	15	2	622.90	1.605e-3	1.885e-2
adaptive thermogenesis	GO:1990845	1	SLC25A4	15	2	622.90	1.605e-3	1.885e-2
positive regulation of mitophagy	GO:1901526	1	SLC25A4	15	2	622.90	1.605e-3	1.885e-2
mitochondrial transport	GO:0006839	1	SLC25A24	16	2	583.97	1.712e-3	1.958e-2
apoptotic mitochondrial changes	GO:0008637	1	SLC25A4	20	2	467.18	2.139e-3	2.189e-2
negative regulation of necroptotic process	GO:0060546	1	SLC25A4	22	2	424.70	2.353e-3	2.301e-2
generation of precursor metabolites and energy	GO:0006091	1	SLC25A4	49	2	190.68	5.238e-3	3.415e-2