

GeDiPNet Cluster 422 -- 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 01:44:54

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
iron-sulfur cluster export from the mitochondrion	GO:0140466	1	ABCB7	1	3	6229.00	1.605e-4	4.313e-3
positive regulation of iron-sulfur cluster assembly	GO:1903331	1	ABCB7	1	3	6229.00	1.605e-4	4.313e-3
positive regulation of heme biosynthetic process	GO:0070455	1	ABCB7	3	3	2076.33	4.816e-4	9.305e-3
calcium ion export across plasma membrane	GO:1990034	1	ATP2B3	6	3	1038.17	9.630e-4	1.467e-2
heme transport	GO:0015886	1	ABCB7	7	3	889.86	1.123e-3	1.623e-2
gap junction assembly	GO:0016264	1	GJB1	8	3	778.63	1.284e-3	1.747e-2
iron ion transmembrane transport	GO:0034755	1	ABCB7	11	3	566.27	1.765e-3	2.107e-2
regulation of presynaptic cytosolic calcium ion concentration	GO:0099509	1	ATP2B3	14	3	444.93	2.246e-3	2.412e-2
transmembrane transport	GO:0055085	2	GJB1, ABCB7	557	3	22.37	2.608e-3	2.616e-2
negative regulation of reactive oxygen species biosynthetic process	GO:1903427	1	ABCB7	18	3	346.06	2.887e-3	2.764e-2
regulation of cardiac conduction	GO:1903779	1	ATP2B3	21	3	296.62	3.368e-3	3.005e-2
iron-sulfur cluster assembly	GO:0016226	1	ABCB7	27	3	230.70	4.329e-3	3.402e-2
regulation of cytosolic calcium ion concentration	GO:0051480	1	ATP2B3	39	3	159.72	6.248e-3	4.103e-2
intracellular iron ion homeostasis	GO:0006879	1	ABCB7	71	3	87.73	1.136e-2	5.465e-2
cell communication	GO:0007154	1	GJB1	80	3	77.86	1.279e-2	5.777e-2