

GeDiPNet Cluster 244 -- 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 03:59:59

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
aerobic respiration	GO:0009060	2	COX1, ND1	68	4	137.40	7.792e-5	2.515e-3
response to hypoxia	GO:0001666	2	COX1, ND1	176	4	53.09	5.227e-4	9.861e-3
proton transmembrane transport	GO:1902600	2	COX1, ND1	181	4	51.62	5.527e-4	1.021e-2
tRNA wobble position uridine thiolation	GO:0002143	1	TRMU	4	4	1167.94	8.560e-4	1.360e-2
negative regulation of mesenchymal cell apoptotic process	GO:2001054	1	POU3F4	6	4	778.63	1.284e-3	1.747e-2
response to hydroperoxide	GO:0033194	1	ND1	9	4	519.08	1.925e-3	2.203e-2
response to copper ion	GO:0046688	1	COX1	12	4	389.31	2.566e-3	2.584e-2
mitochondrial electron transport, cytochrome c to oxygen	GO:0006123	1	COX1	23	4	203.12	4.915e-3	3.634e-2
respiratory electron transport chain	GO:0022904	1	COX1	23	4	203.12	4.915e-3	3.634e-2
response to electrical stimulus	GO:0051602	1	COX1	24	4	194.66	5.128e-3	3.713e-2
oxidative phosphorylation	GO:0006119	1	COX1	27	4	173.03	5.767e-3	3.937e-2
cochlea morphogenesis	GO:0090103	1	POU3F4	28	4	166.85	5.980e-3	4.008e-2
mitochondrial respiratory chain complex I assembly	GO:0032981	1	ND1	40	4	116.79	8.535e-3	4.724e-2
cellular respiration	GO:0045333	1	COX1	41	4	113.95	8.748e-3	4.794e-2
mitochondrial electron transport, NADH to ubiquinone	GO:0006120	1	ND1	47	4	99.40	1.002e-2	5.143e-2