

GeDiPNet Cluster 78 -- 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 08:35:47

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
elastic fiber assembly	GO:0048251	5	FBLN5, EFEMP2, ATP7A, LOX, LTBP4	11	27	314.60	1.954e-12	8.287e-10
ATP metabolic process	GO:0046034	3	ATP6V1A, ABCC6, ATP7A	36	27	57.68	1.860e-5	8.605e-4
L-proline biosynthetic process	GO:0055129	2	ALDH18A1, PYCR1	6	27	230.70	3.005e-5	1.237e-3
monoatomic ion transport	GO:0006811	7	ATP6V0A2, ATP6V1A, ATP6V1E1, ATP7A, SLC39A13, ATP2A2, ATP2C1	667	27	7.26	3.402e-5	1.367e-3
connective tissue development	GO:0061448	2	LOX, SLC39A13	7	27	197.75	4.203e-5	1.611e-3
cellular response to increased oxygen levels	GO:0036295	2	ATP6V0A2, ATP6V1A	8	27	173.03	5.599e-5	1.994e-3
regulation of macroautophagy	GO:0016241	3	ATP6V0A2, ATP6V1A, ATP6V1E1	57	27	36.43	7.472e-5	2.490e-3
Golgi lumen acidification	GO:0061795	2	ATP6V0A2, ATP6V1A	10	27	138.42	8.982e-5	2.859e-3
collagen fibril organization	GO:0030199	3	ATP7A, COL5A1, LOX	65	27	31.94	1.107e-4	3.331e-3
telomere maintenance	GO:0000723	3	MUS81, DNA2, RECQL4	66	27	31.46	1.158e-4	3.445e-3
blood vessel development	GO:0001568	3	ATP7A, COL5A1, LOX	70	27	29.66	1.380e-4	3.923e-3
synaptic vesicle lumen acidification	GO:0097401	2	ATP6V1A, ATP6V1E1	18	27	76.90	3.032e-4	6.918e-3
vacuolar acidification	GO:0007035	2	ATP6V0A2, ATP6V1A	23	27	60.18	4.992e-4	9.745e-3
regulation of transforming growth factor beta receptor signaling pathway	GO:0017015	2	LOX, LTBP4	24	27	57.68	5.441e-4	1.032e-2
amino acid biosynthetic process	GO:0008652	2	ALDH18A1, PYCR1	27	27	51.27	6.901e-4	1.217e-2