

GeDiPNet Cluster 53 -- 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 17:25:06

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
positive regulation of gene expression	GO:0010628	6	ATM, CEBPB, SLC26A9, ACTG2, HFE, ERBB3	504	25	8.90	4.276e-5	1.631e-3
collagen fibril organization	GO:0030199	3	ADAMTS19, COL1A2, COL11A2	65	25	34.50	8.747e-5	2.801e-3
oxalate transport	GO:0019532	2	SLC26A9, SLC26A3	11	25	135.91	9.381e-5	2.951e-3
sulfate transmembrane transport	GO:1902358	2	SLC26A9, SLC26A3	16	25	93.44	2.038e-4	5.228e-3
monoatomic anion transport	GO:0006820	2	SLC26A9, SLC26A3	19	25	78.68	2.898e-4	6.677e-3
signal transduction in response to DNA damage	GO:0042770	2	ATM, MAP3K7	21	25	71.19	3.553e-4	7.726e-3
extrinsic apoptotic signaling pathway in absence of ligand	GO:0097192	2	EYA1, ERBB3	36	25	41.53	1.053e-3	1.593e-2
sensory perception of sound	GO:0007605	3	COL11A2, EYA1, GJB2	162	25	13.84	1.279e-3	1.789e-2
otic vesicle morphogenesis	GO:0071600	1	EYA1	1	25	747.48	1.338e-3	1.833e-2
regulation of membrane repolarization during atrial cardiac muscle cell action potential	GO:1905000	1	FLNA	1	25	747.48	1.338e-3	1.833e-2
regulation of membrane repolarization during cardiac muscle cell action potential	GO:1905031	1	FLNA	1	25	747.48	1.338e-3	1.833e-2
negative regulation of antigen processing and presentation of endogenous peptide antigen via MHC class I	GO:1904283	1	HFE	1	25	747.48	1.338e-3	1.833e-2
protein heterotrimerization	GO:0070208	1	COL1A2	1	25	747.48	1.338e-3	1.833e-2
mitotic spindle assembly	GO:0090307	2	FLNA, OFD1	46	25	32.50	1.715e-3	2.131e-2
ovarian follicle development	GO:0001541	2	ATM, CEBPB	47	25	31.81	1.790e-3	2.187e-2