

GeDiPNet Cluster 59 -- 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 06:46:48

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
DNA-templated transcription	GO:0006351	6	POLR1C, POLR3K, POLR3B, POLR3A, ERCC2, POLR1A	113	48	20.67	4.268e-7	4.084e-5
tRNA aminoacylation for protein translation	GO:0006418	4	RARS1, AARS1, KARS1, EPRS1	36	48	43.26	2.124e-6	1.512e-4
protein import into mitochondrial intermembrane space	GO:0045041	2	HSPD1, AIFM1	3	48	259.54	1.935e-5	8.744e-4
lysosome organization	GO:0007040	4	HEXA, TMEM63A, VPS18, TMEM106B	65	48	23.96	2.312e-5	1.003e-3
myelination	GO:0042552	4	TMEM163, GALC, HEXA, MAL	73	48	21.33	3.661e-5	1.426e-3
organelle fusion	GO:0048284	2	VPS11, VPS18	4	48	194.66	3.864e-5	1.483e-3
translation	GO:0006412	6	AIMP1, RARS1, AARS1, KARS1, EPRS1, AIMP2	310	48	7.54	1.356e-4	3.796e-3
positive regulation of interferon-beta production	GO:0032728	3	POLR3B, POLR3A, TOMM70	41	48	28.49	1.583e-4	4.269e-3
regulation of SNARE complex assembly	GO:0035542	2	VPS11, VPS18	12	48	64.89	4.195e-4	8.504e-3
tRNA aminoacylation	GO:0043039	2	AARS1, EPRS1	13	48	59.89	4.949e-4	9.495e-3
transcription by RNA polymerase I	GO:0006360	2	POLR1C, POLR1A	15	48	51.91	6.641e-4	1.154e-2
endosomal vesicle fusion	GO:0034058	2	VPS11, VPS18	15	48	51.91	6.641e-4	1.154e-2
negative regulation of intracellular estrogen receptor signaling pathway	GO:0033147	2	VPS11, VPS18	15	48	51.91	6.641e-4	1.154e-2
response to toxic substance	GO:0009636	3	GJC2, AIFM1, CNP	83	48	14.07	1.265e-3	1.747e-2
positive regulation of macrophage activation	GO:0043032	2	HSPD1, KARS1	21	48	37.08	1.315e-3	1.780e-2