

GeDiPNet Cluster 159 -- 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 01:45:41

GO Term	GO ID	Overlap Genes	Overlap Gene Names	Term Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
regulation of metabolic process	GO:0019222	2	TREX1, STING1	10	11	339.76	1.414e-5	6.844e-4
negative regulation of type I interferon-mediated signaling pathway	GO:0060339	2	TREX1, SAMHD1	23	11	147.72	7.916e-5	2.539e-3
cGAS/STING signaling pathway	GO:0140896	2	TREX1, STING1	29	11	117.16	1.268e-4	3.614e-3
cellular response to interferon-beta	GO:0035458	2	TREX1, STING1	29	11	117.16	1.268e-4	3.614e-3
regulation of innate immune response	GO:0045088	2	TREX1, SAMHD1	32	11	106.18	1.548e-4	4.195e-3
DNA damage checkpoint signaling	GO:0000077	2	ATRIP, TREX1	47	11	72.29	3.356e-4	7.253e-3
defense response to virus	GO:0051607	3	TREX1, SAMHD1, STING1	247	11	20.63	3.480e-4	7.431e-3
nucleobase-containing compound metabolic process	GO:0006139	2	ATRIP, DGUOK	61	11	55.70	5.657e-4	1.041e-2
negative regulation of cell communication	GO:0010648	1	PTEN	1	11	1698.82	5.886e-4	1.069e-2
negative regulation of synaptic vesicle clustering	GO:2000808	1	PTEN	1	11	1698.82	5.886e-4	1.069e-2
immune response in brain or nervous system	GO:0002383	1	TREX1	1	11	1698.82	5.886e-4	1.069e-2
immune complex formation	GO:0097281	1	TREX1	1	11	1698.82	5.886e-4	1.069e-2
guanosine metabolic process	GO:0008617	1	DGUOK	1	11	1698.82	5.886e-4	1.069e-2
dGTP metabolic process	GO:0046070	1	DGUOK	1	11	1698.82	5.886e-4	1.069e-2
purine deoxyribonucleoside metabolic process	GO:0046122	1	DGUOK	1	11	1698.82	5.886e-4	1.069e-2