

GeDiPNet Cluster 288 -- Enriched Pathways

Pathway enrichment: KEGG + Reactome, upper-tail hypergeometric test, Benjamini-Hochberg FDR-corrected. Fold enrichment = (overlap / cluster gene count) / (pathway gene count / universe size). Top 15 pathways per cluster by q-value. See scripts/build_cluster_enrichment.php on gedipnet.bicnirrh.res.in. Data as of: 2026-10-08 03:30:07. · Rows: 15 · Generated: 2026-10-08 07:07:15

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
ARL13B-mediated ciliary trafficking of INPP5E	Reactome	1	INPP5E	3	24	166.81	5.984e-3	5.030e-2
SUMOylation of chromatin organization proteins	Reactome	2	NDC1, SATB2	70	24	14.30	8.508e-3	6.332e-2
Inositol phosphate metabolism	KEGG	2	INPP1, INPP5E	73	24	13.71	9.225e-3	6.666e-2
MyD88 dependent cascade initiated on endosome	Reactome	1	IRAK1	8	24	62.55	1.588e-2	9.307e-2
Phosphatidylinositol signaling system	KEGG	2	INPP1, INPP5E	98	24	10.21	1.619e-2	9.416e-2
Activation of the phototransduction cascade	Reactome	1	GNB1	9	24	55.60	1.785e-2	9.951e-2
OAS antiviral response	Reactome	1	FLNA	9	24	55.60	1.785e-2	9.951e-2
MyD88 cascade initiated on plasma membrane	Reactome	1	IRAK1	9	24	55.60	1.785e-2	9.951e-2
Cohesin Loading onto Chromatin	Reactome	1	NIPBL	10	24	50.04	1.981e-2	1.052e-1
TRAF6 mediated induction of NFkB and MAP kinases upon TLR7/8 or 9 activation	Reactome	1	IRAK1	10	24	50.04	1.981e-2	1.052e-1
Cell-extracellular matrix interactions	Reactome	1	FLNA	12	24	41.70	2.373e-2	1.170e-1
GP1b-IX-V activation signalling	Reactome	1	FLNA	12	24	41.70	2.373e-2	1.170e-1
Synthesis of IP2, IP, and Ins in the cytosol	Reactome	1	INPP1	12	24	41.70	2.373e-2	1.170e-1
p75NTR recruits signalling complexes	Reactome	1	IRAK1	13	24	38.49	2.568e-2	1.222e-1
NF-kB is activated and signals survival	Reactome	1	IRAK1	13	24	38.49	2.568e-2	1.222e-1