

GeDiPNet Cluster 389 -- 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 21:00:56

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Virion - Ebolavirus, Lyssavirus and Morbillivirus	KEGG	1	NPC1	12	14	71.49	1.391e-2	8.546e-2
LDL clearance	Reactome	1	NPC1	18	14	47.66	2.079e-2	1.083e-1
Adherens junctions interactions	Reactome	1	CDH18	32	14	26.81	3.668e-2	1.479e-1
Cholesterol metabolism	KEGG	1	NPC1	51	14	16.82	5.787e-2	1.882e-1
Synthesis of PIPs at the plasma membrane	Reactome	1	INPP5K	51	14	16.82	5.787e-2	1.882e-1
Hedgehog signaling pathway	KEGG	1	SUFU	56	14	15.32	6.337e-2	1.973e-1
Hedgehog 'off' state	Reactome	1	SUFU	56	14	15.32	6.337e-2	1.973e-1
Degradation of GLI1 by the proteasome	Reactome	1	SUFU	57	14	15.05	6.447e-2	1.993e-1
GLI3 is processed to GLI3R by the proteasome	Reactome	1	SUFU	60	14	14.30	6.775e-2	2.044e-1
Basal cell carcinoma	KEGG	1	SUFU	63	14	13.62	7.102e-2	2.097e-1
Hedgehog 'on' state	Reactome	1	SUFU	70	14	12.26	7.862e-2	2.211e-1
Inositol phosphate metabolism	KEGG	1	INPP5K	73	14	11.75	8.186e-2	2.261e-1
PRC2 methylates histones and DNA	Reactome	1	JARID2	73	14	11.75	8.186e-2	2.261e-1
Polycomb repressive complex	KEGG	1	JARID2	83	14	10.34	9.257e-2	2.408e-1
Lysosome	KEGG	1	NPC1	133	14	6.45	1.444e-1	3.058e-1