

GeDiPNet Cluster 360 -- 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: 2026-10-07 23:53:04

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Defective CYP17A1 causes Adrenal hyperplasia 5 (AH5)	Reactome	1	CYP17A1	1	35	343.14	2.914e-3	3.064e-2
COX reactions	Reactome	1	PTGS1	1	35	343.14	2.914e-3	3.064e-2
Adherens junctions interactions	Reactome	2	ANG, CDH3	32	35	21.45	3.874e-3	3.742e-2
Coronavirus disease - COVID-19	KEGG	4	C1QB, CFD, NFKB1, RPL5	238	35	5.77	4.861e-3	4.372e-2
Defective Mismatch Repair Associated With MSH6	Reactome	1	MSH2	2	35	171.57	5.820e-3	4.947e-2
Defective Mismatch Repair Associated With MSH3	Reactome	1	MSH2	2	35	171.57	5.820e-3	4.947e-2
Defective Mismatch Repair Associated With MSH2	Reactome	1	MSH2	3	35	114.38	8.718e-3	6.436e-2
Efferocytosis	KEGG	3	C1QB, PTGER4, TIMD4	157	35	6.56	1.056e-2	7.256e-2
HHAT G278V abrogates palmitoylation of Hh-Np	Reactome	1	IHH	4	35	85.79	1.161e-2	7.656e-2
Alternative complement activation	Reactome	1	CFD	5	35	68.63	1.449e-2	8.761e-2
CLEC7A/inflammasome pathway	Reactome	1	NFKB1	6	35	57.19	1.736e-2	9.779e-2
Classical antibody-mediated complement activation	Reactome	1	C1QB	6	35	57.19	1.736e-2	9.779e-2
Prolactin signaling pathway	KEGG	2	CYP17A1, NFKB1	71	35	9.67	1.808e-2	1.004e-1
Epithelial cell signaling in Helicobacter pylori infection	KEGG	2	ATP6V0D2, NFKB1	71	35	9.67	1.808e-2	1.004e-1
IκBA variant leads to EDA-ID	Reactome	1	NFKB1	7	35	49.02	2.023e-2	1.065e-1