

GeDiPNet Cluster 633 -- 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: 2026-10-20 03:30:09. · Rows: 15 · Generated: 2026-10-19 23:21:21

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Mineral absorption	KEGG	2	FXYP2, TRPM6	61	5	78.75	2.513e-4	3.928e-3
Hepatitis C	KEGG	2	CLDN16, EGF	159	5	30.21	1.697e-3	1.687e-2
Inhibition of Signaling by Overexpressed EGFR	Reactome	1	EGF	8	5	300.25	3.327e-3	2.738e-2
EGFR interacts with phospholipase C-gamma	Reactome	1	EGF	9	5	266.89	3.742e-3	2.976e-2
Signaling by ERBB4	Reactome	1	EGF	11	5	218.36	4.572e-3	3.438e-2
Signaling by EGFR	Reactome	1	EGF	11	5	218.36	4.572e-3	3.438e-2
ERBB2 Activates PTK6 Signaling	Reactome	1	EGF	13	5	184.77	5.401e-3	3.839e-2
GRB2 events in EGFR signaling	Reactome	1	EGF	13	5	184.77	5.401e-3	3.839e-2
SHC1 events in EGFR signaling	Reactome	1	EGF	14	5	171.57	5.816e-3	4.033e-2
ERBB2 Regulates Cell Motility	Reactome	1	EGF	15	5	160.13	6.230e-3	4.212e-2
Constitutive Signaling by EGFRvIII	Reactome	1	EGF	15	5	160.13	6.230e-3	4.212e-2
PI3K events in ERBB2 signaling	Reactome	1	EGF	16	5	150.13	6.644e-3	4.390e-2
Signaling by ERBB2 ECD mutants	Reactome	1	EGF	16	5	150.13	6.644e-3	4.390e-2
SHC1 events in ERBB2 signaling	Reactome	1	EGF	17	5	141.29	7.059e-3	4.563e-2
GAB1 signalosome	Reactome	1	EGF	17	5	141.29	7.059e-3	4.563e-2