

GeDiPNet Cluster 445 -- 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 23:21:08

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
Elastic fibre formation	Reactome	2	FBN2, LOXL4	18	31	43.05	9.615e-4	1.100e-2
Activation of RAS in B cells	Reactome	1	RASGRP3	5	31	77.48	1.284e-2	6.602e-2
MET activates PTPN11	Reactome	1	GAB1	5	31	77.48	1.284e-2	6.602e-2
Caffeine metabolism	KEGG	1	XDH	6	31	64.57	1.539e-2	7.375e-2
MET activates PI3K/AKT signaling	Reactome	1	GAB1	6	31	64.57	1.539e-2	7.375e-2
Signaling by FGFR3 fusions in cancer	Reactome	1	GAB1	10	31	38.74	2.552e-2	9.859e-2
MET receptor recycling	Reactome	1	GAB1	10	31	38.74	2.552e-2	9.859e-2
Signaling by FGFR4 in disease	Reactome	1	GAB1	11	31	35.22	2.804e-2	1.040e-1
MET activates RAP1 and RAC1	Reactome	1	GAB1	11	31	35.22	2.804e-2	1.040e-1
Mitophagy - animal	KEGG	2	RABGEF1, MFN2	105	31	7.38	2.986e-2	1.080e-1
Ubiquinone and other terpenoid-quinone biosynthesis	KEGG	1	COQ2	12	31	32.28	3.055e-2	1.095e-1
Purine catabolism	Reactome	1	XDH	12	31	32.28	3.055e-2	1.095e-1
Butyrophilin (BTN) family interactions	Reactome	1	XDH	12	31	32.28	3.055e-2	1.095e-1
Transport of nucleosides and free purine and pyrimidine bases across the plasma membrane	Reactome	1	SLC28A3	12	31	32.28	3.055e-2	1.095e-1
Erythropoietin activates Phosphoinositide-3-kinase (PI3K)	Reactome	1	GAB1	12	31	32.28	3.055e-2	1.095e-1