

GeDiPNet Cluster 130 -- 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: 2026-10-07 03:30:09. · Rows: 15 · Generated: 2026-10-07 12:21:01

Pathway	Source	Overlap Genes	Overlap Gene Names	Pathway Gene Count	Cluster Gene Count	Fold Enrichment	P-value	FDR Q-value
t(4;14) translocations of FGFR3	Reactome	1	FGFR3	1	1	12010.00	8.326e-5	1.932e-3
FGFR3b ligand binding and activation	Reactome	1	FGFR3	7	1	1715.71	5.828e-4	8.985e-3
Signaling by FGFR3 fusions in cancer	Reactome	1	FGFR3	10	1	1201.00	8.326e-4	1.182e-2
Signaling by activated point mutants of FGFR3	Reactome	1	FGFR3	12	1	1000.83	9.992e-4	1.354e-2
FGFR3 mutant receptor activation	Reactome	1	FGFR3	12	1	1000.83	9.992e-4	1.354e-2
FGFR3c ligand binding and activation	Reactome	1	FGFR3	13	1	923.85	1.082e-3	1.440e-2
Phospholipase C-mediated cascade; FGFR3	Reactome	1	FGFR3	13	1	923.85	1.082e-3	1.440e-2
PI-3K cascade:FGFR3	Reactome	1	FGFR3	18	1	667.22	1.499e-3	1.846e-2
SHC-mediated cascade:FGFR3	Reactome	1	FGFR3	18	1	667.22	1.499e-3	1.846e-2
FRS-mediated FGFR3 signaling	Reactome	1	FGFR3	20	1	600.50	1.665e-3	1.998e-2
Negative regulation of FGFR3 signaling	Reactome	1	FGFR3	22	1	545.91	1.832e-3	2.135e-2
Signaling by FGFR3 point mutants in cancer	Reactome	1	FGFR3	22	1	545.91	1.832e-3	2.135e-2
PI3K Cascade	Reactome	1	FGFR3	39	1	307.95	3.247e-3	3.258e-2
Bladder cancer	KEGG	1	FGFR3	41	1	292.93	3.414e-3	3.376e-2
Central carbon metabolism in cancer	KEGG	1	FGFR3	71	1	169.15	5.912e-3	4.892e-2