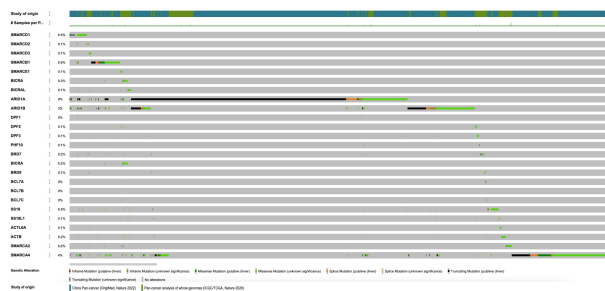


A

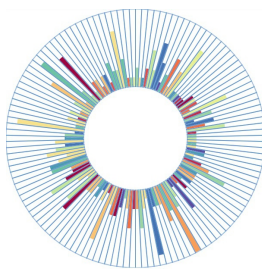
The cBioportal database

China Pan-cancer (Origimed, Nature 2022) &
Pan-cancer analysis of whole genomes (ICGC/TCGA, Nature 2020)

B

The iGMDR database

Drug selection for ARID1A



Drug targets distribution

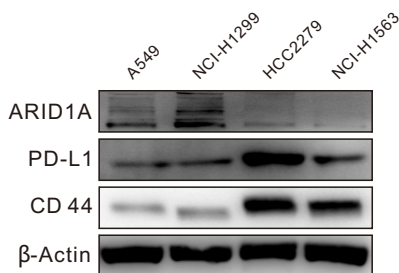
EGFR	6
BCL2L2	2
MAP2K2	2
TP53	2
RSK	2
LCK	2
NAMPT	2
IR	2
MDM2	2

Drug pathways distribution

7	Other, Kinases
5	PI3K/MTOR signaling
5	ERK MAPK signaling
4	Chromatin histone acetylation
3	IGFR signaling
3	Apoptosis regulation
3	Breast cancer
3	RTK signaling
3	EGFR signaling

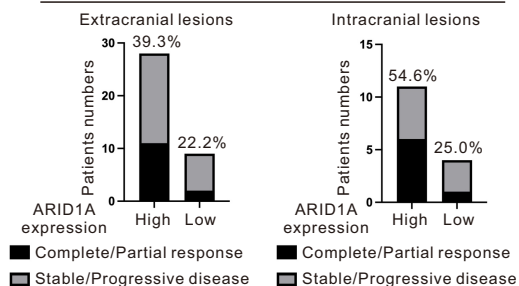
C

ARID1A-wt ARID1A-mut



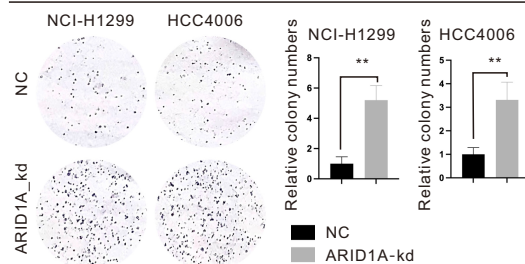
D

EGFR mutant LUAD patients

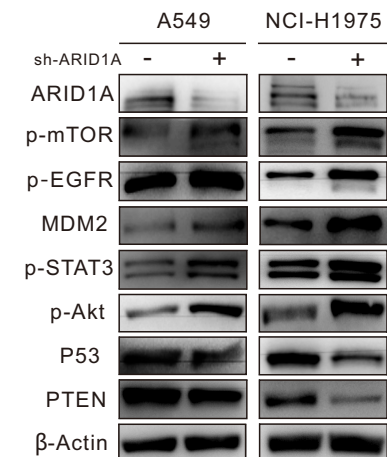


G

Colony formation assay

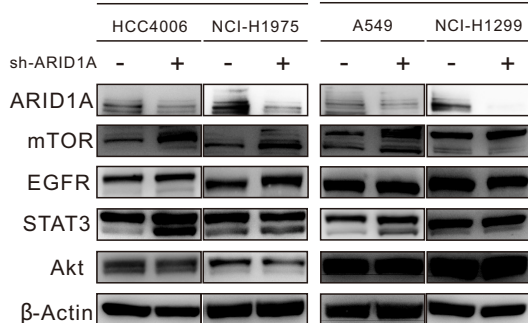


E



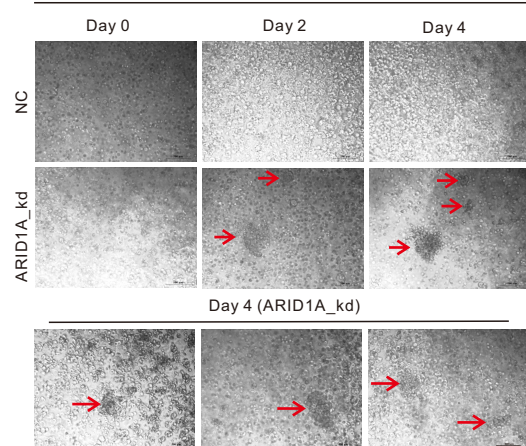
F

EGFR-mut EGFR-wt



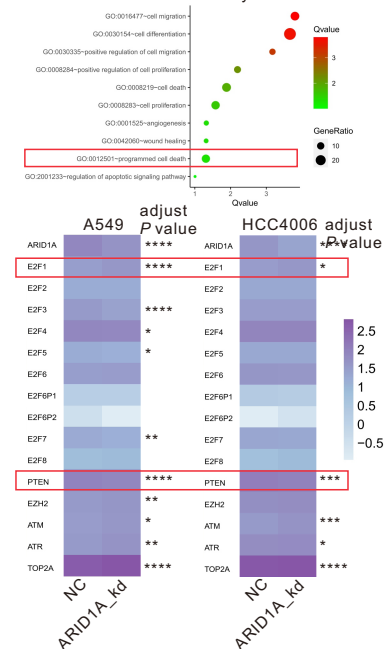
H

HCC4006



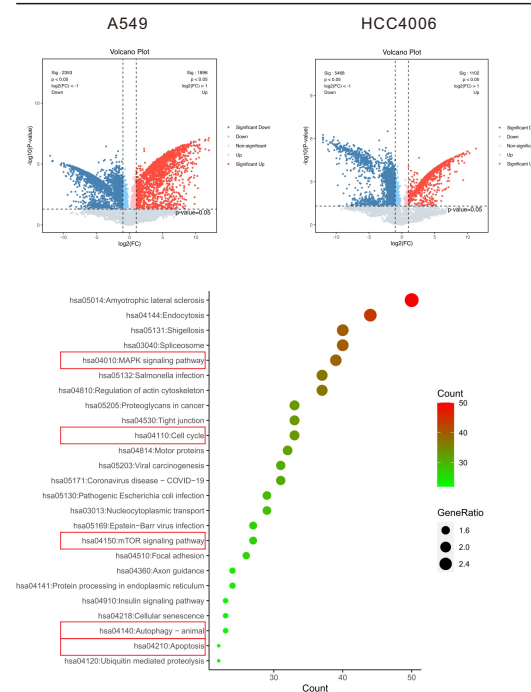
I

RNA-seq

Common DEGs in A549 and HCC4006 cell lines
Enrichment analysis

J

MS for phosphorylated proteins



K

NCI-H1299

