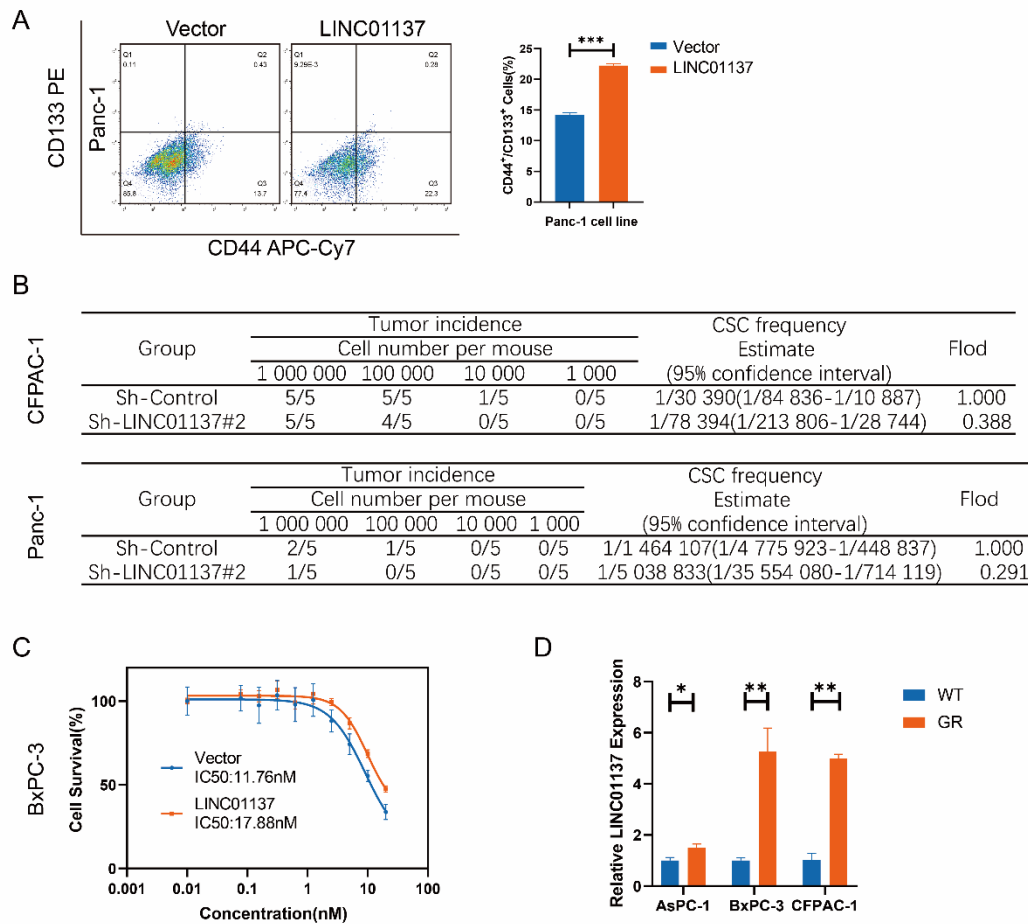
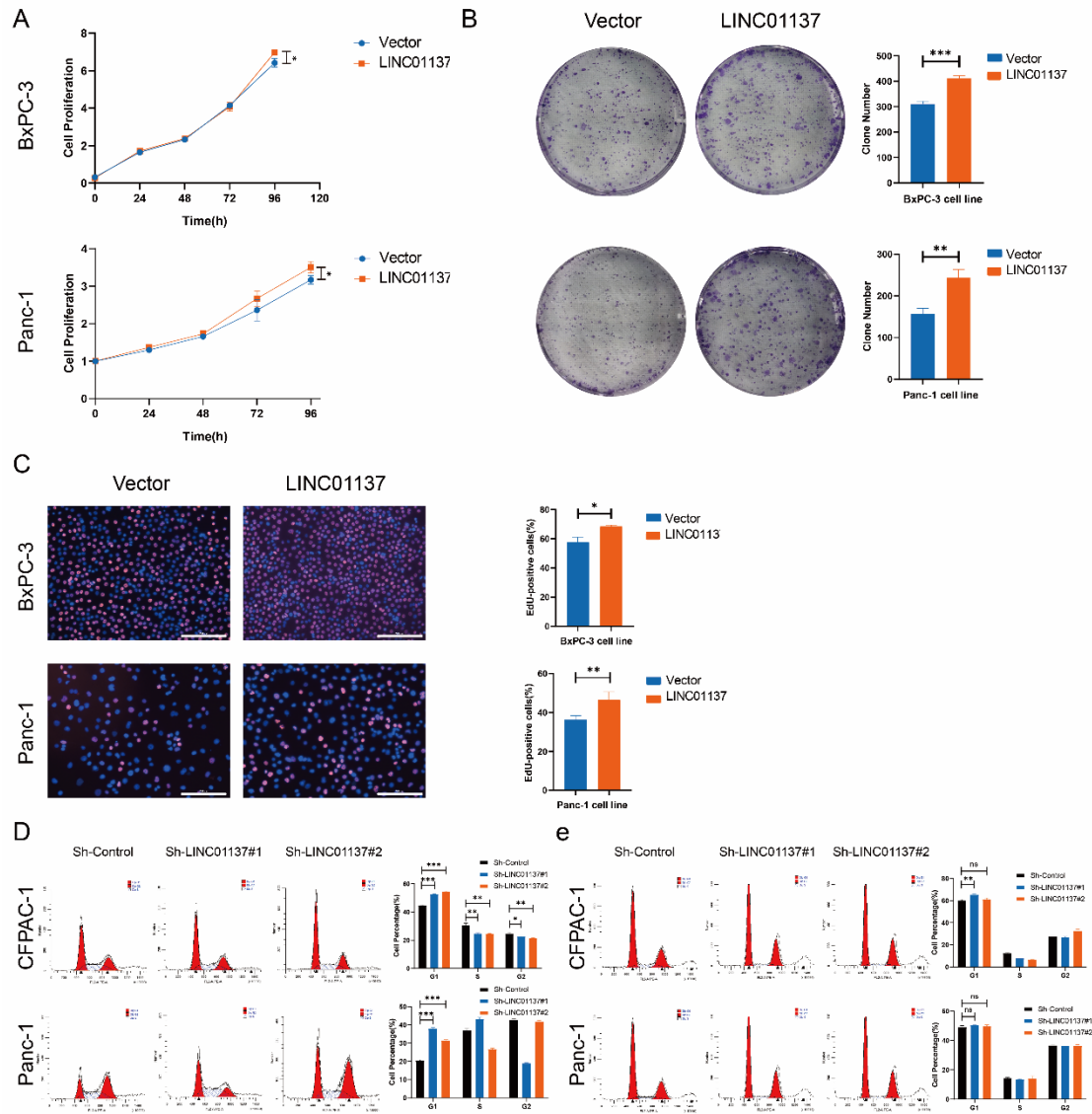


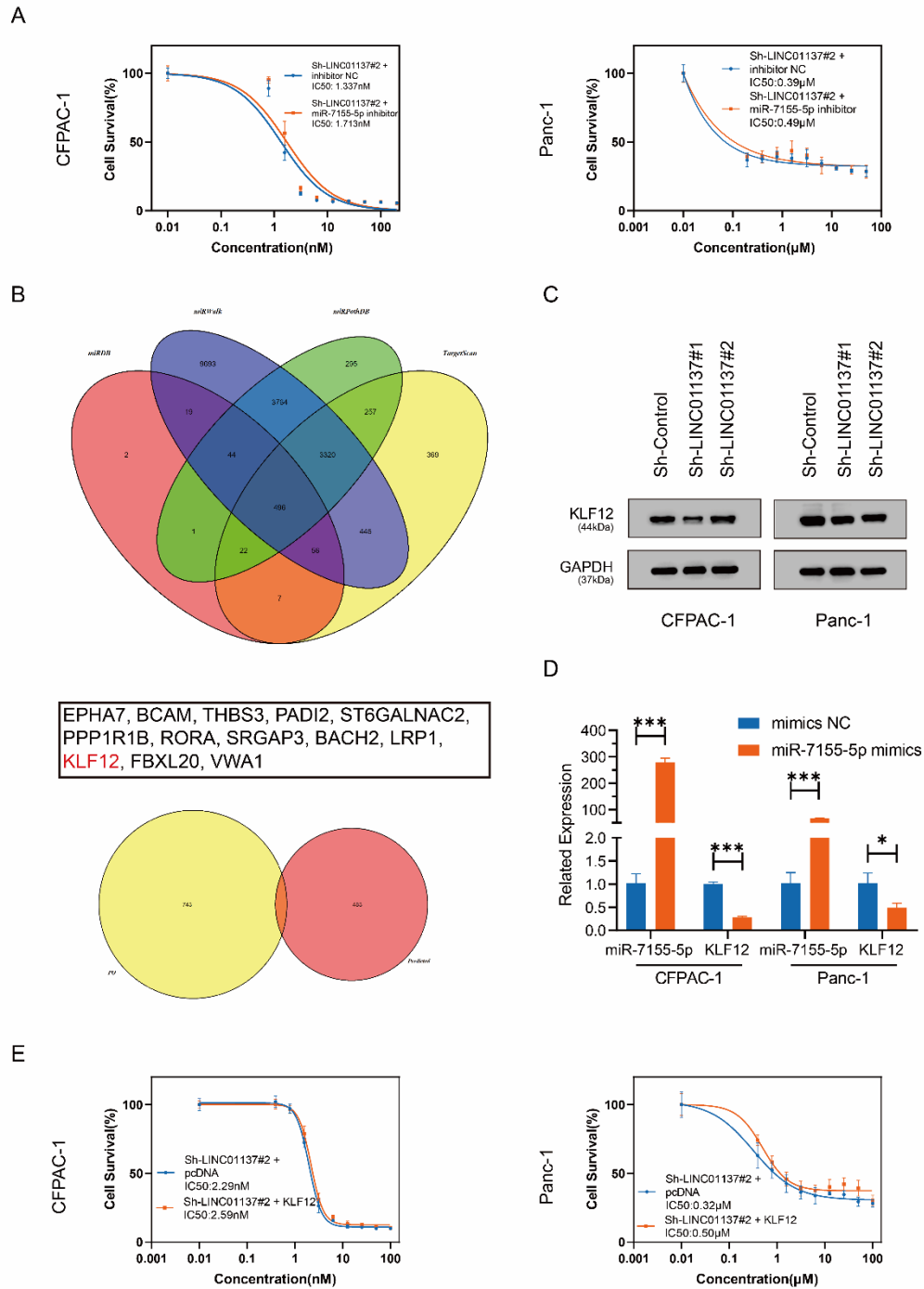
**Figure S1 Overexpression of LINC01137 in PDAC cell lines.** A Overexpression efficiency of LINC01137 in two pancreatic cell lines (CFPAC-1 and Panc-1). Data are represented as means  $\pm$  SD. \*\*\* $p < 0.001$ .



**Figure S2 LINC01137 promoted PDAC stemness and gemcitabine chemoresistance. A** CD44<sup>+</sup>/CD133<sup>+</sup> cell ratio of the overexpression group with the negative control group in Panc-1 cell line. **B** CSC frequency assay of the knockdown group with the negative control group in the CFPAC-1 and Panc-1 cell lines *in vivo*. **C** Gemcitabine inhibitor ratio assay in BxPC-3 cell line. **D** Real-time PCR analysis of LINC01137 expression levels of gemcitabine-resistance cell lines with their parental cell lines. Data are represented as means  $\pm$  SD. \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ .



**Figure S3 LINC01137 promoted PDAC proliferation and cell cycle.** Cell proliferation was illuminated using the **A** CCK-8, **B** colony formation, and **c** EdU assays. **C** Cell cycle assay for the status of PDAC cell lines (CFPAC-1 and Panc-1). **D** Cell cycle assay for the status of PDAC cell lines (CFPAC-1 and Panc-1) which were synchronized in the G0/G1 phase via serum starvation. Data are represented as means  $\pm$  SD. \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ . White bar, 200  $\mu$ m.



**Figure S4 LINC01137 regulated KLF12 through miR-7155-5p.** **A**  $IC_{50}$  of gemcitabine in miR-7155-5p inhibitor and NC group of LINC01137 knockdown cell line. **B** Upper picture was predicted mRNAs binding to miR-7155-5p in four online datasets (miRDB, miRWalk, miRPathDB, and TargetScan), and under picture was screened mRNAs selected through combining online datasets results and RNA sequencing results. **C** Western blotting analysis of KLF12 level in knockdown group and negative control group of CFPAC-1 and Panc-1 cell line. **D** QRT-PCR analysis of KLF12 level in two pancreatic cancer cell lines (CFPAC-1 and Panc-1) transfected with a negative control mimics (mimics NC) or a miR-7155-5p mimics. **E**  $IC_{50}$  of gemcitabine in KLF12 overexpression and NC group of LINC01137 knockdown cell line. Data are represented as means  $\pm$  SD. \* $p < 0.05$ ,

\*\*\* $p < 0.001$ .