

Figure S1 m⁶A RNA methylation contributes to DBH-AS1 downregulation in patients with PC. (A) qRT-PCR analysis of PC cells treated with DMSO or 5-AZA as indicated. (B) qRT-PCR analysis of PC cells treated with DMSO or TSA as indicated. (C) qRT-PCR analysis of PC cells transfected with si-Dicer or si-Control as indicated. (D) qRT-PCR analysis of PC cells transfected with si-METTTL3 or si-Control. (E) The m⁶A of DBH-AS1 levels from 16 patients with PC and the paracancerous normal tissues was performed by MeRIP-qPCR. (A-E) *t*-test. Data are means ± SEM from triplicate experiments. *, P<0.05; ns, P>0.05. PC, pancreatic cancer; DMSO, dimethylsulphoxide; TSA, trichostatin; qRT-PCR, quantitative real-time polymerase chain reaction; MeRIP, methylated RNA immunoprecipitation.

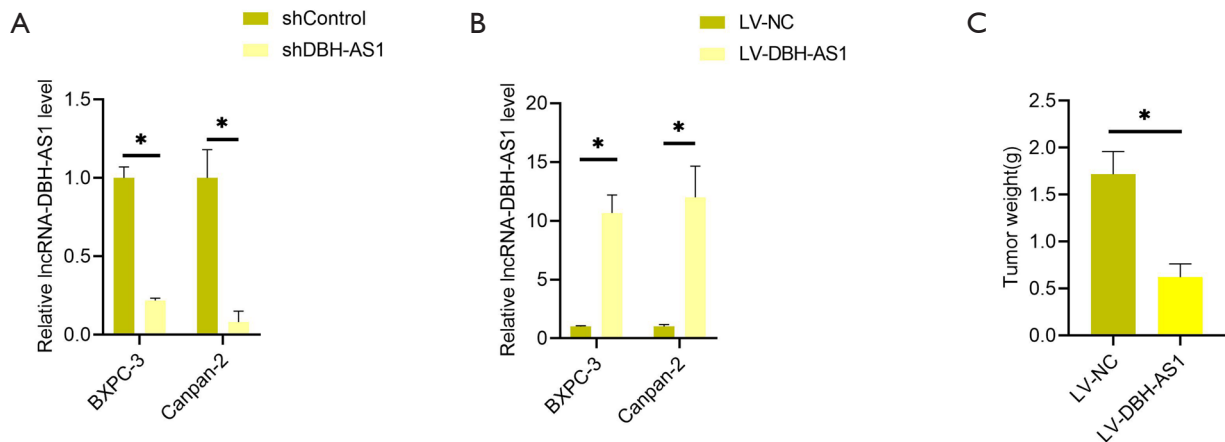


Figure S2 DBH-AS1 inhibits the growth of PC cells. (A) qRT-PCR analysis of DBH-AS1 levels in PC cells with shControl or shDBH-AS1 as indicated. (B) qRT-PCR analysis of DBH-AS1 levels in PC cells with LV-NC or LV-DBH-AS1 as indicated. (C) Tumor weight from the LV-NC or LV-DBH-AS1 groups. (A-C) *t*-test. Data are means ± SEM from triplicate experiments. *, P<0.05. PC, pancreatic cancer; qRT-PCR, quantitative real-time polymerase chain reaction.

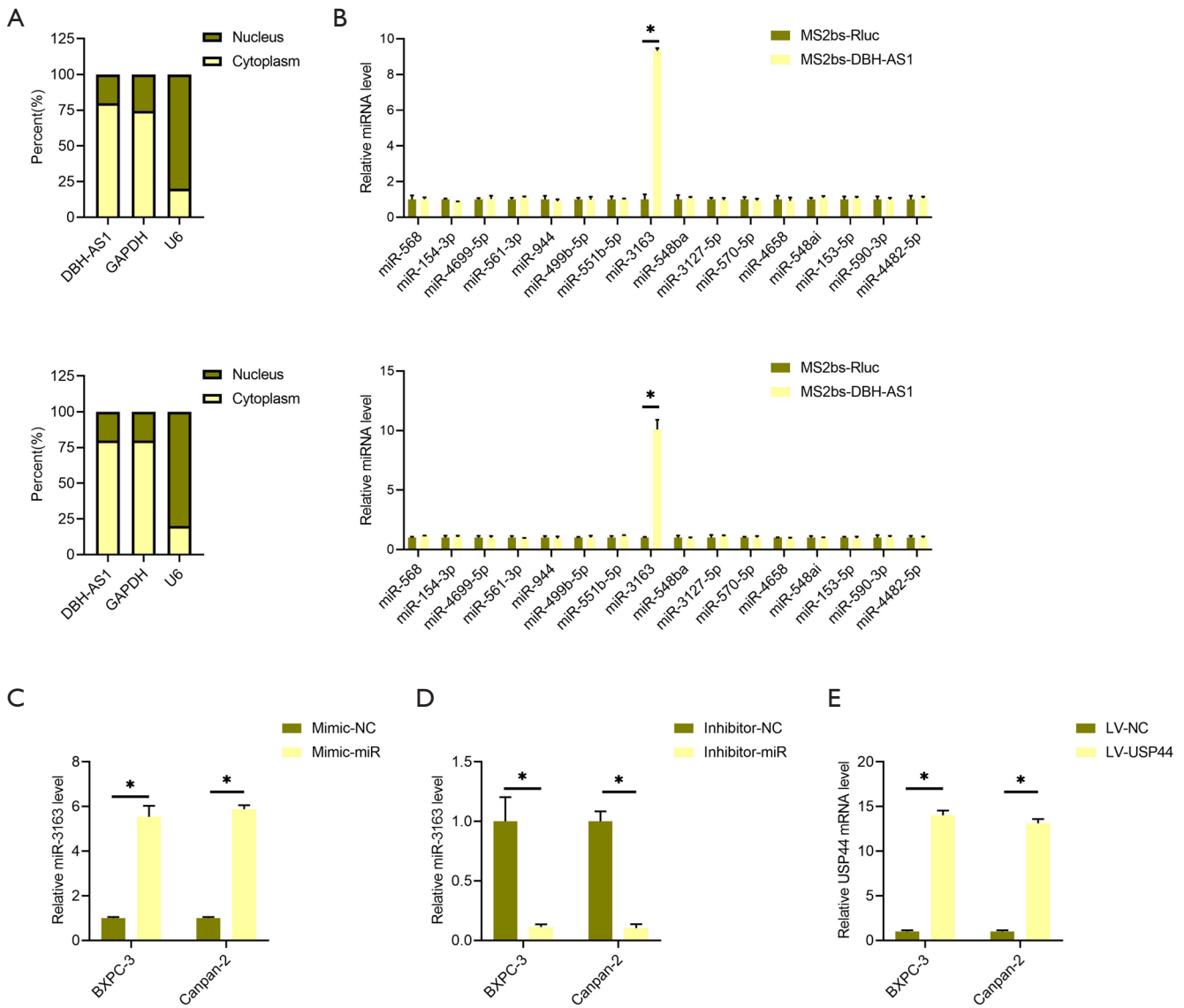


Figure S3 DBH-AS1 sequesters miR-3163 and thereby promotes USP44 upregulation. (A) Expression levels of DBH-AS1 in nuclear and cytoplasm of HCC cells. U6 (nuclear retained) and GAPDH (exported to cytoplasm) were used as controls. (B) RNA pull-down assays detected the binding of DBH-AS1 with miRNA after PC cells were transfected with an MS2bs-DBH-AS1 or MS2bs-RLUC plasmid. (C) qRT-PCR analysis of miR-3163 levels in PC cells with Mimic-miR-NC or Mimic-miR-3163. (D) qRT-PCR analysis of miR-3163 levels in PC cells with Inhibitor-miR-NC or Inhibitor-miR-3163. (E) qRT-PCR analysis of the USP44 mRNA levels in PC cells with LV-NC or LV-USP44. Data are means \pm SEM from triplicate experiments. *, $P < 0.05$. HCC, hepatocellular carcinoma; GAPDH, glyceraldehyde 3-phosphatedehydrogenase; PC, pancreatic cancer; qRT-PCR, quantitative real-time polymerase chain reaction.