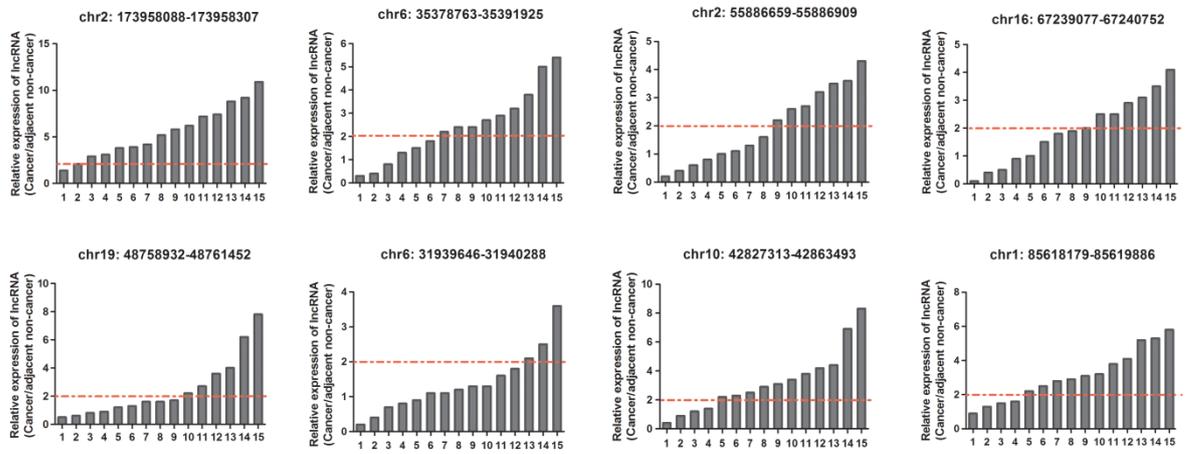


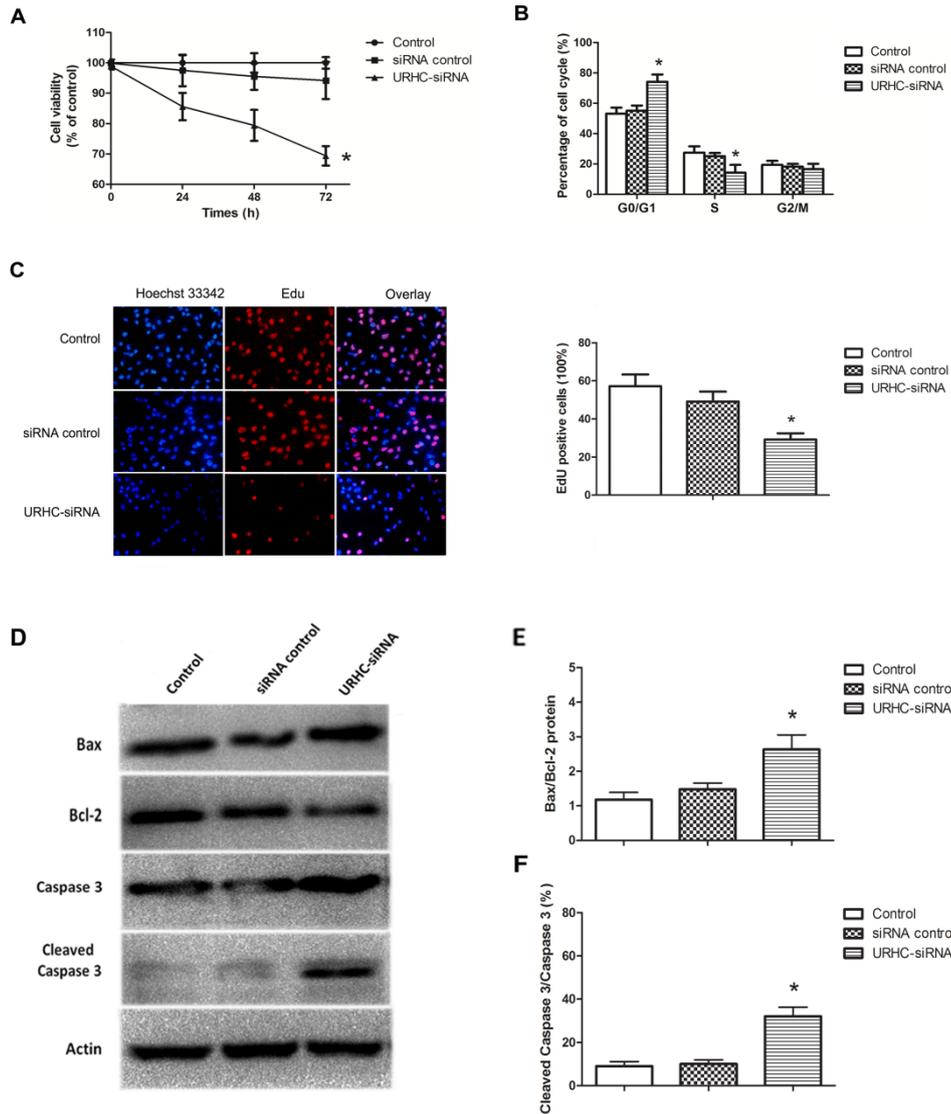
## Supplementary Figures

Fig. S1



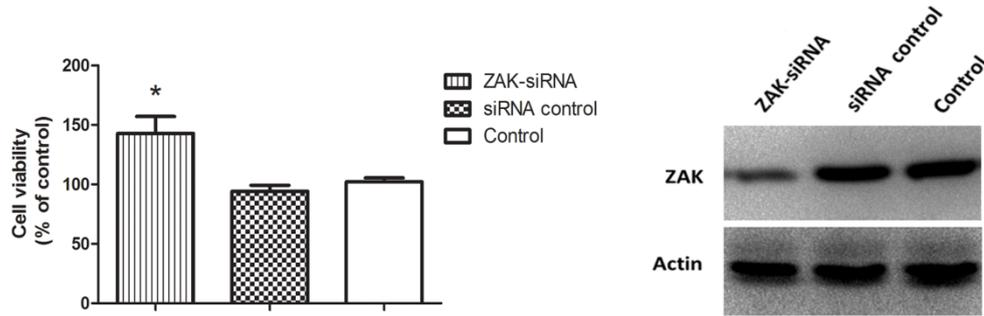
**Figure S1.** The expression levels of 8 overexpressed lncRNAs in the microarray analysis with fold change  $>2$  were determined by real-time PCR in 15 HCC tissues.

Fig. S2



**Figure S2.** Cell proliferation and apoptosis was induced by URHC in HepG2 cells. (A) HepG2 cells were transfected with URHC-siRNA or the siRNA control, respectively. The cell viability was evaluated by the MTT assay at 24 h, 48 h and 72 h post-transfection. (B) HepG2 cells were collected after 48 h and stained with PI and the cell cycle distribution was analyzed with flow cytometer. (C) The cell proliferation was examined by EdU incorporation assay at 48 h after transfection. (D) HepG2 cells were transfected as described in (A), Bax, Bcl-2, caspase 3 and cleaved caspase 3 expression were detected by western blot analyses and the ratios of Bax/Bcl-2 (E) and cleaved caspase 3/caspase 3 (F) were examined.  $\beta$ -actin was used as a reference. The results show the means  $\pm$  SD from at least 3 separate experiments. \*,  $P < 0.05$ .

Fig. S3



**Figure S3.** The proliferation of HL-7702 cells transfected with ZAK-siRNA was measured by MTT assay (left) and the protein levels of ZAK were examined by western blot analysis (right).  $\beta$ -actin was used as a reference. The results show the means  $\pm$  SD from 3 separate experiments. \*,  $P < 0.05$ .