

Supplementary Information

Figure S1. The effects of KDM5B on the growth rate of HT1376 and T24 cells. The HT1376 and T24 cells transfected with pcDNA3.1-KDM5B, pTZU6+1-shRNA-KDM5B1 and pTZU6+1-shRNA-KDM5B2 were regarded as treatment groups. The HT1376 and T24 cells were regarded as control groups. All cells (2×10^5 per p-35 plate) were routinely grown in RPMI 1640 medium and incubated at 37 °C in a 50 mL/L CO₂ air incubator with saturated humidity. **(A)** The *in vitro* tests showed the inhibition of growth rate of the HT1376 and T24 cells transfected with pcDNA3.1-KDM5B comparing with corresponding non-transfected cell lines; **(B)** the *in vitro* tests showed the increase of growth rate of the HT1376 and T24 cells transfected with pTZU6+1-shRNA-KDM5B1 and pTZU6+1-shRNA-KDM5B2 comparing with corresponding non-transfected cell lines. Each bar represented the mean \pm S.D. of three independent experiments.

