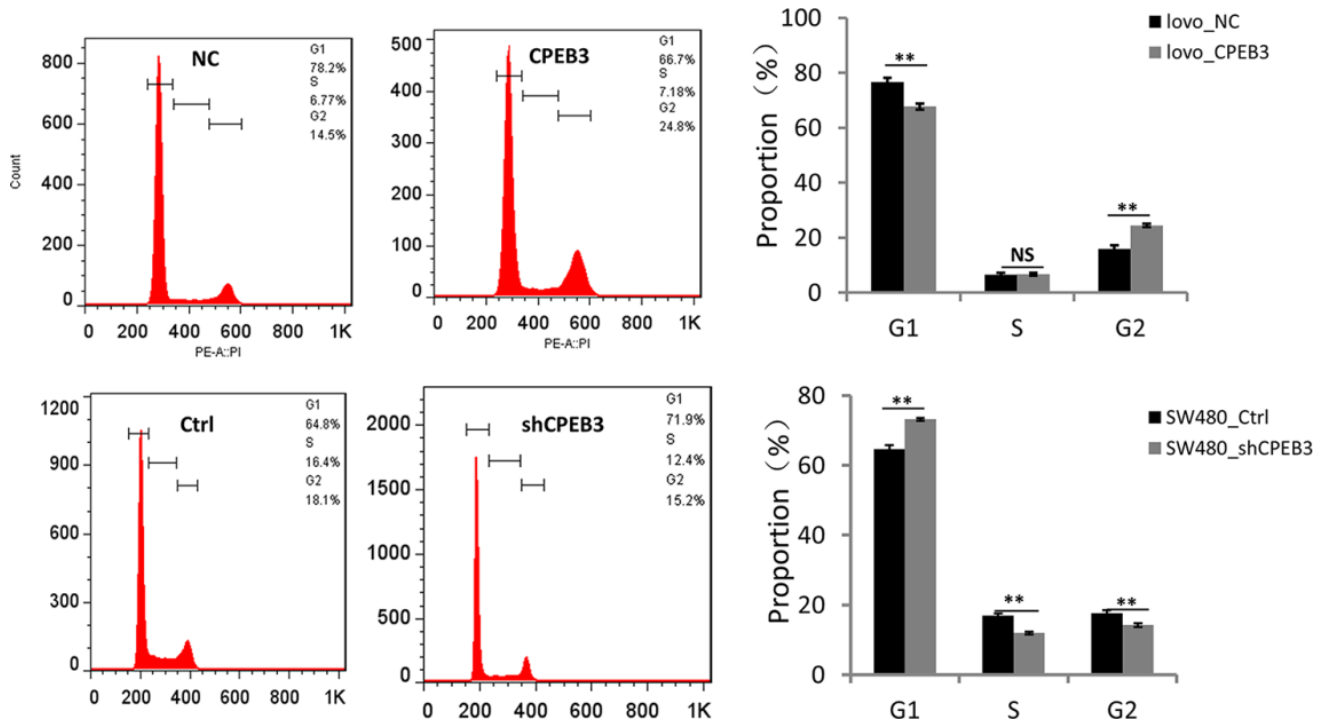
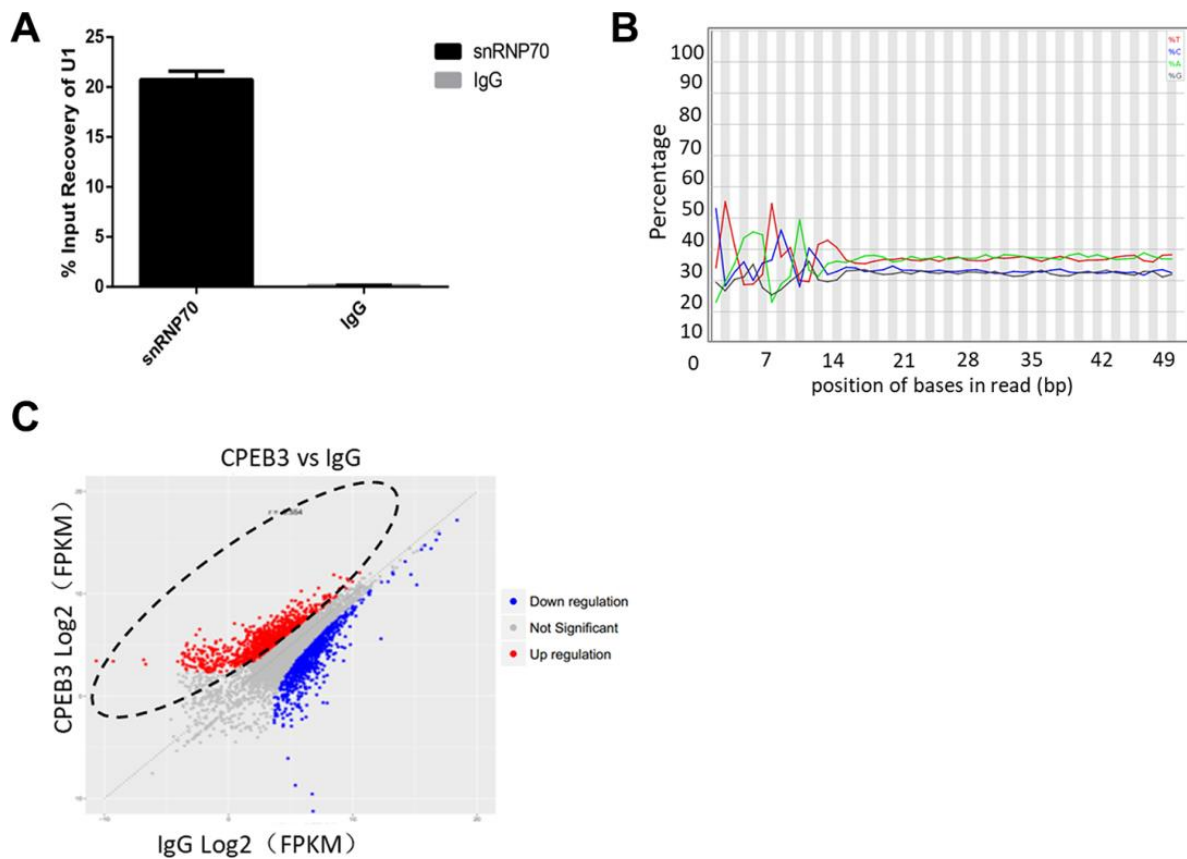


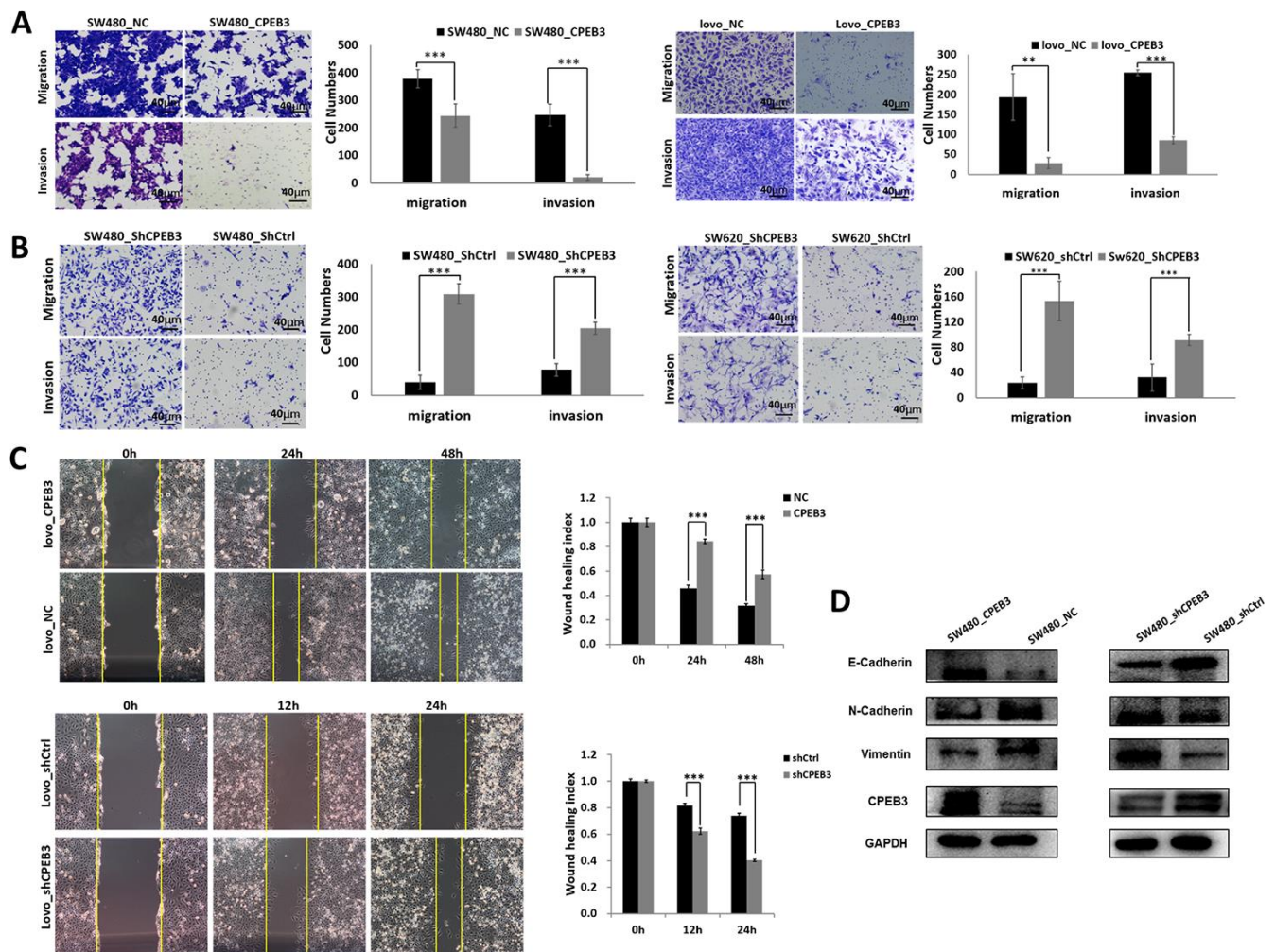
SUPPLEMENTARY FIGURES



Supplementary Figure 1. Up-regulation of CPEB3 in LoVo cells results in inhibition of cell cycle progression in G2/M phase as detected by flow cytometry.



Supplementary Figure 2. High-throughput sequencing analysis of mRNAs bound to CPEB3 in SW480 cells. (A) RNA extracts pre-incubated with IgG and SnRNP70 were used as negative and positive controls, respectively. (B) Sequence content across all in CPEB3 group. X axis represents the position of bases in reads (bp) and Y-axis represents the percentage of the bases in each position. (C) Scatter-plot of the read-densities for the mRNAs in the CPEB3 and the IgG group.



Supplementary Figure 3. CPEB3 inhibits metastasis of human colorectal cancer cells. (A) CPEB3 overexpression significantly suppressed migration and invasion capacity of SW480 and SW620 cells by transwell assays (original magnification, $\times 400$). (B) CPEB3 knockdown promoted migration and invasion ability of SW480 and SW620 cells (original magnification, $\times 400$). (C) In vitro wound healing assays showed that CPEB3 suppressed the migration ability of LoVo cells (original magnification, $\times 100$). (** $P < 0.01$, *** $P < 0.001$). (D) Metastasis-related markers were further confirmed by Western blotting.