

Figure S1

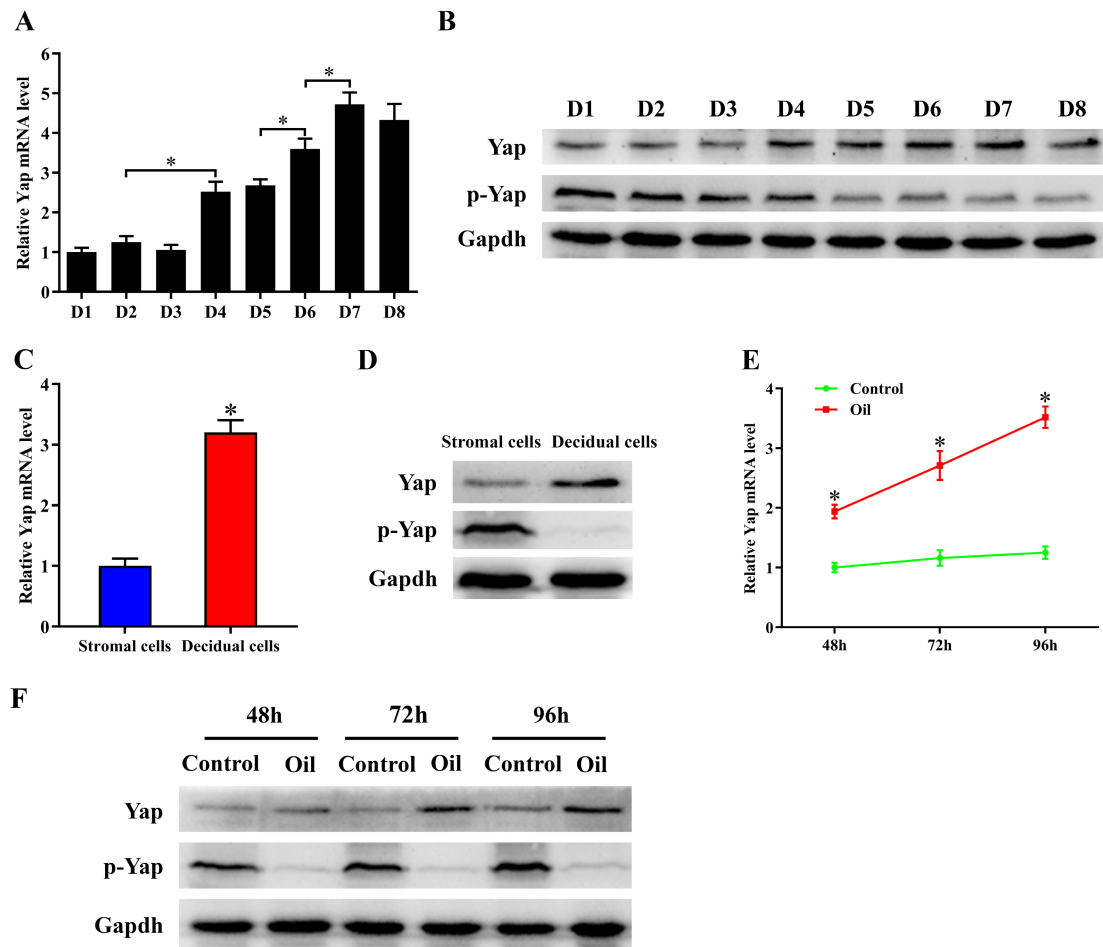


Figure S1. Yap expression during decidualization. (A) and (B) Real-time PCR and western blot analyses of Yap expression in mice uteri on days 1-8 of pregnancy (3 mice per group). (C) and (D) Yap mRNA and protein expression in decidual and stromal cells (3 mice per group). (E) and (F) Yap mRNA and protein expression under artificial decidualization (3 mice per group). Data are shown mean \pm SEM, Asterisks denote significance ($P < 0.05$).

Figure S2

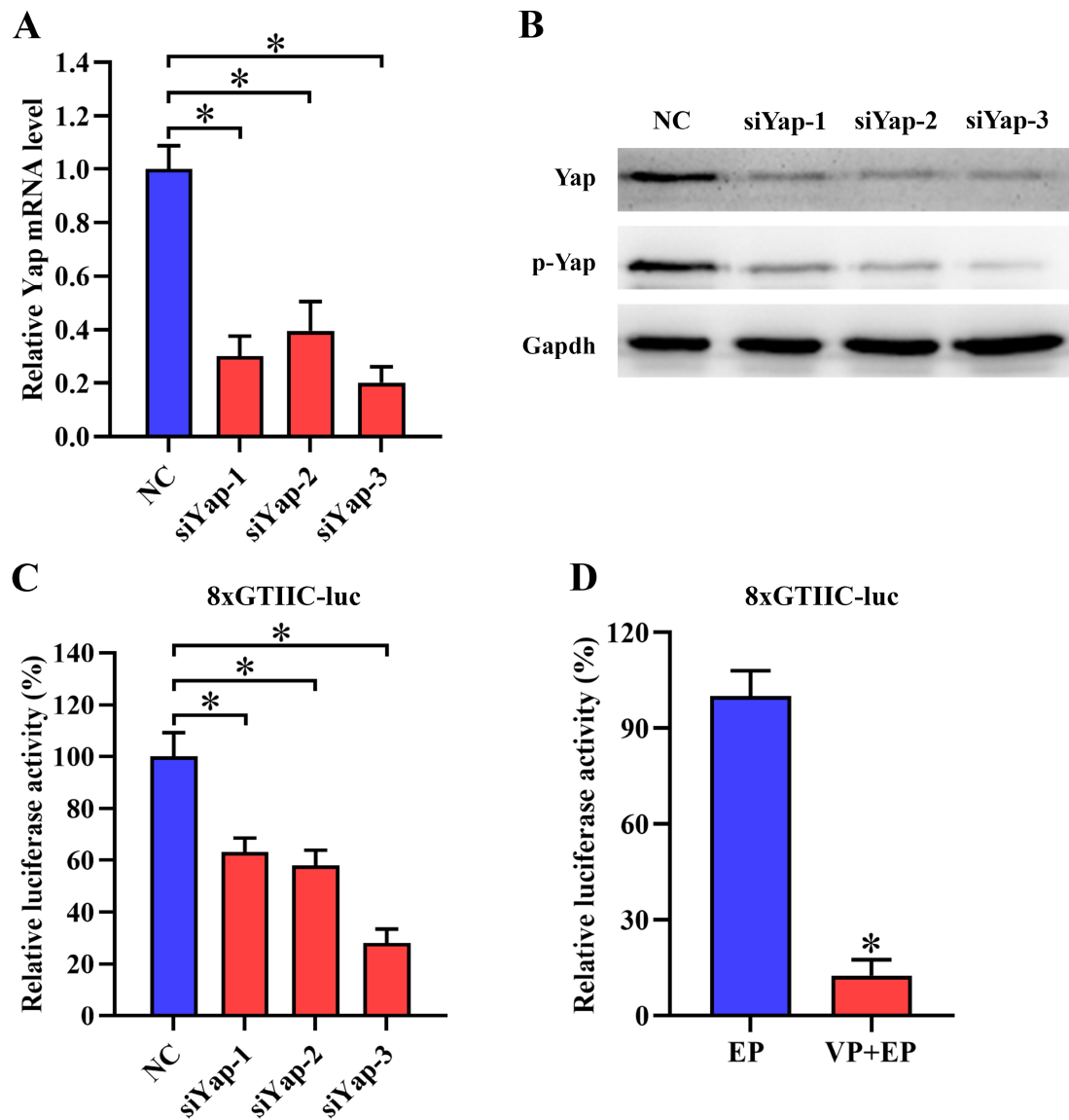


Figure S2. Yap mRNA and protein levels as well as Yap-Tead transcriptional activity in stromal cells after treatment with Yap siRNA or Verteporfin. (A-C) Yap mRNA and protein levels (N = 3 per group) as well as Yap-Tead transcriptional activity (N = 5 per group) in stromal cells after introduction of Yap siRNA. (D) Effect of Yap inhibitor Verteporfin on Yap-Tead transcriptional activity (N = 5 per group).

Figure S3

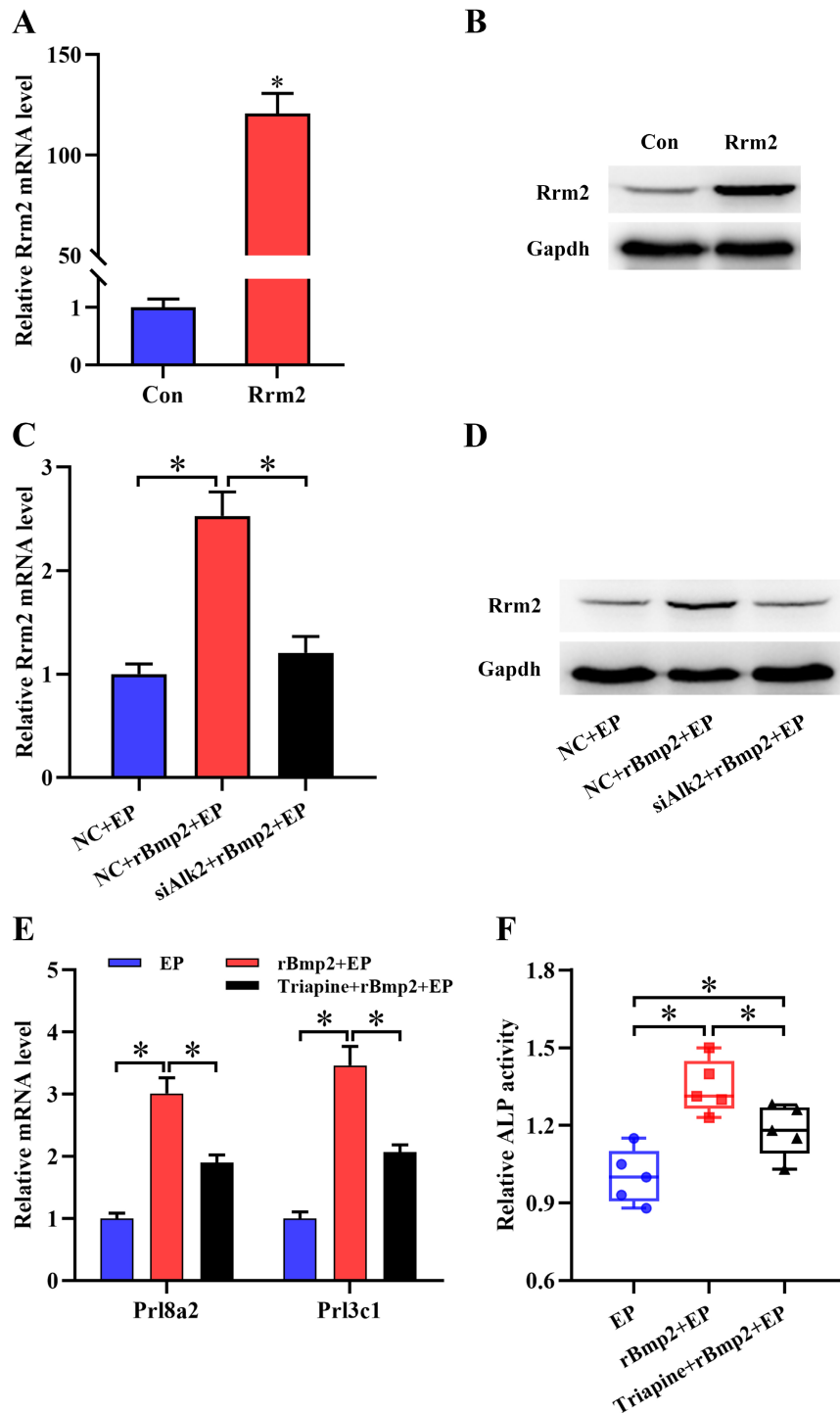


Figure S3. Rrm2 mediated the effect of Bmp2 on stromal differentiation. (A) and (B) Rrm2 mRNA and protein expression was evaluated after introduction of Rrm2 overexpression plasmid (N = 3 per group). (C) and (D) Rrm2 mRNA and protein expression was evaluated after exposure to rBmp2 with/without Alk2 siRNA (N = 3 per group). (E) and (F) Repression of Rrm2 by Triapine prevented the induction of Bmp2 on *Prl8a2* and *Prl3c1* expression (N = 3 per group) as

well as ALP activity (N = 5 per group).

Table S1. Primers used in this study

Gene	Sequence of Forward Primer	Sequence of Reverse Primer	Application
<i>Yap</i>	TTAACAGTGGCACCTATCAC	TCCAAGATTTTCGGA ACTCAG	In situ hybridization
<i>Rrm2</i>	AAGCTTATGCTCTCCGTCCGCACCCCG	CTCGAGTTAGAAGTCAGCATCCAAGGT	Overexpression
<i>Bax</i>	CCGGCGAATTGGAGATGAACT	CCAGCCCATGATGGTTCTGAT	Real-time PCR
<i>Bcl2</i>	TCAGAGCGAGAAGGTAGGGA	CTGTGGGGTAACAAGAAGGTC	Real-time PCR
<i>Casp3</i>	CTGGACTGTGGCATTGAGAC	GCAAAGGGACTGGATGAACC	Real-time PCR
<i>Ccna1</i>	GCCCGACGTGGATGAGTTT	AGGAGGAATTGGTTGGTGGTT	Real-time PCR
<i>Ccnb1</i>	CTGAGCCTGAGCCTGAACCT	AGCCCCATCATCTGCGTCT	Real-time PCR
<i>Ccnb2</i>	GCTAGCTCCCAAGGATCGTC	CTGCAGAGCTGAGGGTTCTC	Real-time PCR
<i>Ccnd1</i>	GGGATGTGAGGGAAGAGGTGA	GCAGCGAAAACAACGTGAAA	Real-time PCR
<i>Ccnd3</i>	CCTCCTACTTCCAGTGCGTG	GGCAGACGGTACCTAGAAGC	Real-time PCR
<i>Ccne1</i>	AATGGATGGTTCCGTTTCGC	TGGGTCTGGATGTTGTGGG	Real-time PCR
<i>Cdk1</i>	CTGGGCACTCCTAACAACGAAG	TCCAAGCCGTTCTCGTCCAG	Real-time PCR
<i>Cdk2</i>	ACAGGGCAAGGTGAAAGAC	AGGAGGACGGCAATGAGG	Real-time PCR
<i>Cdk4</i>	GTGGCTGAAATTGGTGTCGG	TAACAAGGCCACCTCACGAA	Real-time PCR
<i>Cdk6</i>	TCCTGCTCCAGTCCAGCTAT	CCACGTCTGAACTTCCACGA	Real-time PCR
<i>Prl8a2</i>	AGCCAGAAATCACTGCCACT	TGATCCATGCACCCATAAAA	Real-time PCR
<i>Prl3c1</i>	GCCACACGATATGACCGGAA	GGTTTGGCACATCTTGGTGTT	Real-time PCR
mtDNA	CCTATCACCTTGCCATCAT	GAGGCTGTTGCTTGTGTGAC	Real-time PCR
ncDNA	ATGGAAAGCCTGCCATCATG	TCCTTGTTGTTTCAGCATCAC	Real-time PCR
<i>Rrm2</i>	AGTTCCTCACGGAGGCCTT	CTCTGATACTCGCCTACTCGC	Real-time PCR
<i>YAP</i>	CCGTTTCTCCTGGGACACTC	CTGCTGGCAGTGGTACATCA	Real-time PCR