

SUPPLEMENTAL MATERIAL

TABLES

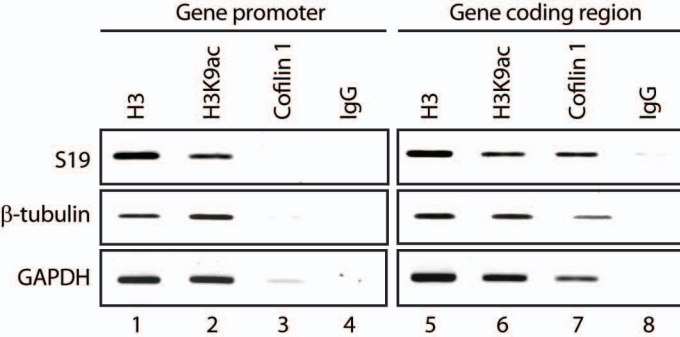
Table 1. Primers sequences used in ChIP assays performed on the EP300 gene.

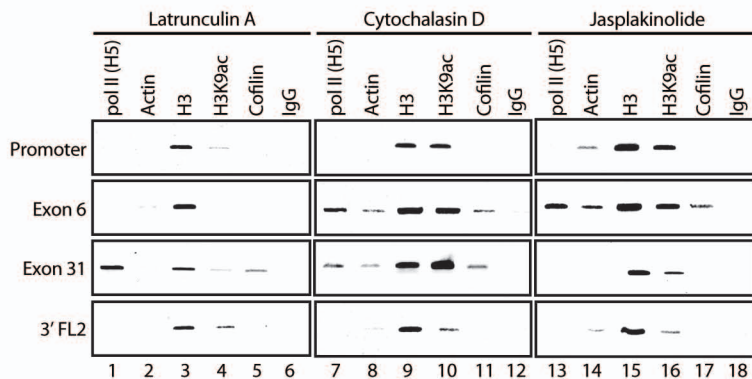
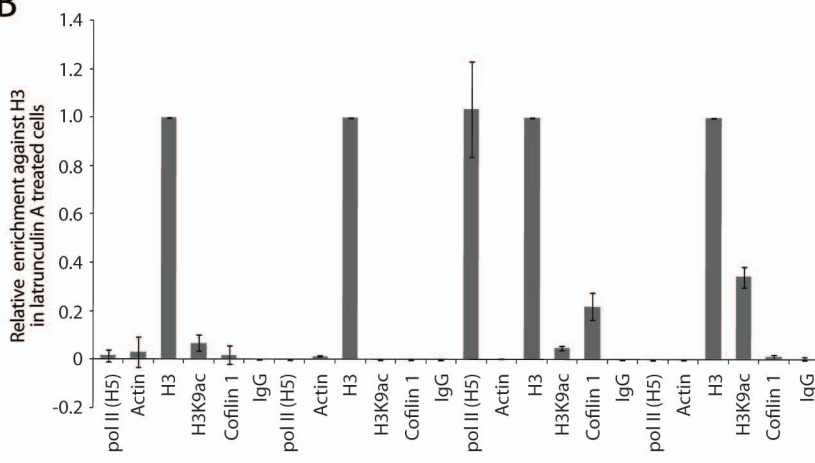
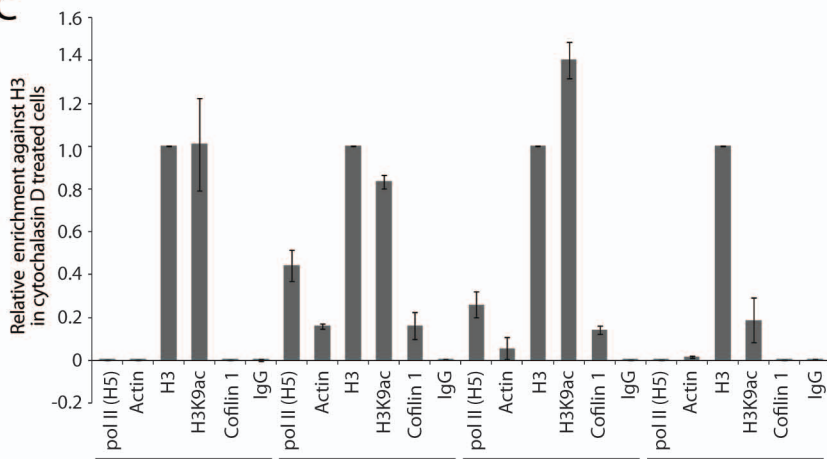
Primer	Gene region	Sequence	Position on gene in relation to +1
Prom L2	EP300 Promoter	GAGGAGGTGAGTGTCTCTTG	-68
Prom R2	EP300 Promoter	CGCCATCAACCTCTTCCTC	32
Ex3 L1	EP300 Exon 3	AGATGGGAATGATGAACAACC	33260
Ex3 R1	EP300 Exon 3	ACTCACCATGTTGGGCATTC	33444
Ex6 L1	EP300 Exon 6	GAGCACCCGTTGGACTTG	38798
Ex6 R1	EP300 Exon 6	GGTTCTTTGCTTGCACCTG	38974
Ex31 L1	EP300 Exon 31	ACCAGGCACTGTGTCTCAAC	85235
Ex31 R1	EP300 Exon 31	AGGGATGGGTTGTGGATTAG	85412
UTR L2	EP300 3' UTR	TTACCACCAGCCTTTCTTCC	86570
UTR R2	EP300 3' UTR	ATGTCAACCATCTGCACCAG	86753
FL1 L1	EP300 3' FL1	GCAGGTACCAGCTAACAGTC	87659
FL1 R1	EP300 3' FL1	GGACTTAGGCAGATATGATCC	87812
FL2 L1	EP300 3' FL2	TATGCAAGGAATGCAAGAGGG	88994
FL2 R1	EP300 3' FL1	AGCTGCTCCCTAGCAGAATG	89160

FIGURE LEGENDS

Supplementary figure 1. Cofilin 1 preferentially occupies gene coding region. ChIP assays. Lysates from cross-linked cells were incubated with the indicated antibodies and coprecipitated DNA was analyzed by PCR with primers amplifying promoter and coding regions of the S19, β -tubulin and GAPDH genes. Non-specific rabbit IgGs were used as negative control. All experiments were reproduced at least in triplicates.

Supplementary figure 2. Effect of latrunculin A, cytochalasin D and jasplakinolide on the occupancy of EP300 gene promoter, proximal, distal exons and 3' flanking region by phosphorylated pol II, actin, H3, H3K9ac and cofilin 1. **(A)** ChIP analysis on lysates from crosslinked cells treated with latrunculin A, cytochalasin D or jasplakinolide, incubated with the indicated antibodies. Co-precipitated DNA was analyzed by PCR using primers amplifying promoter, proximal exon 6, distal exon 31 and 3' gene flanking region FL2. Densitometric quantification of relative occupancies determined by ChIP experiments on chromatin isolated from cells treated with **(B)** latrunculin A, **(C)** cytochalasin D or **(D)** jasplakinolide. In all cases the bars diagrams represent average values calculated from analysis of promoter, coding regions (exon 6 and exon 31) and 3' FL2 over five independent experiments. All values are normalized against the signals obtained with an anti-histone H3 antibody.



A**B****C****D**