## Supplemental Fig. S1





Nascent antisense transcription (3455)



















Ε

3.0

2.5

2.0

1.5

1.0

0.5

asXUT

no

asXUT

H3K4me3/H3 ratio



H3K4me3/H3

TSS to +500

P < 2.2e<sup>-16</sup>

**H3K36me3/H3** TSS to TTS *P* < 2.2e<sup>-16</sup>















