

Correction



Correction: Differential Acetylation of Histone H3 at the Regulatory Region of *OsDREB1b* Promoter Facilitates Chromatin Remodelling and Transcription Activation during Cold Stress

The *PLOS ONE* Staff

There are errors in Figure 6 and the legend for Figure 2. Please see the corrected versions here.

Citation: The *PLOS ONE* Staff (2014) Correction: Differential Acetylation of Histone H3 at the Regulatory Region of *OsDREB1b* Promoter Facilitates Chromatin Remodelling and Transcription Activation during Cold Stress. *PLoS ONE* 9(8): e105229. doi:10.1371/journal.pone.0105229

Published August 5, 2014

Copyright: © 2014 The *PLOS ONE* Staff. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

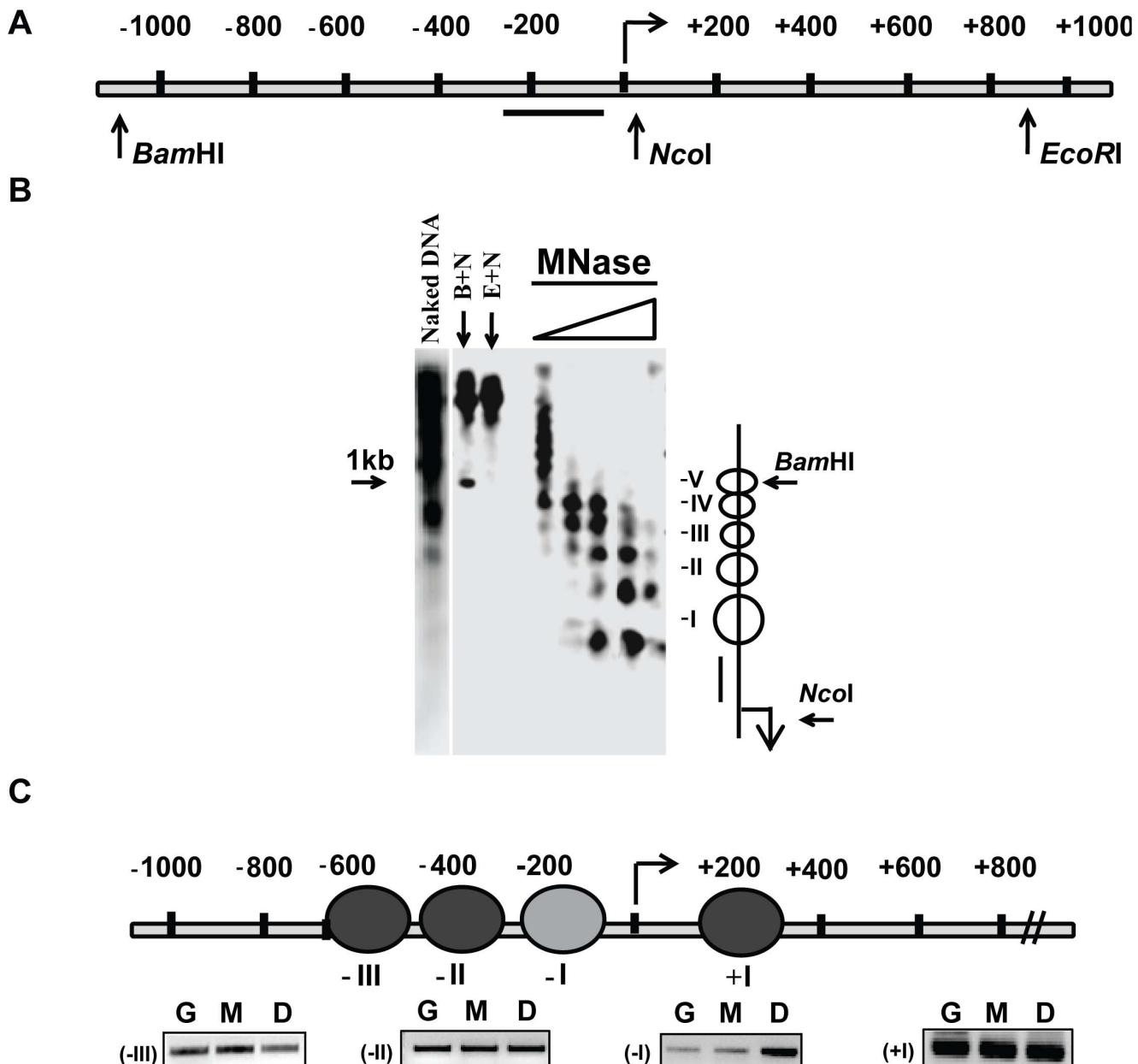


Figure 2. Mapping of nucleosome positions at the promoter and upstream region of *OsDREB1b* locus. (A). Schematic diagram of the *OsDREB1b* gene region and the flanking region showing the positions of the restriction enzymes that were used to map the nucleosome positions. (B). Mapping of nucleosome positions at the upstream and core promoter region of *OsDREB1b*. Chromatin isolated from 2-3 week old rice seedlings were partially digested with increasing concentration of MNase and further restriction digested with Ncol. The blot was probed with DNA from the core promoter region (-74 to -232) (C) Determination of the nucleosome positions at the promoter and upstream region *OsDREB1b* locus by PCR based approach. The positions of the nucleosomes are given relative to the *OsDREB1b* locus. G denotes genomic DNA, M denotes mono-nucleosomal DNA and D denotes di-nucleosomal DNA. Black shaded ovals denote a well positioned nucleosome and a grey shaded oval represents a partially positioned nucleosome.

doi:10.1371/journal.pone.0100343.g002

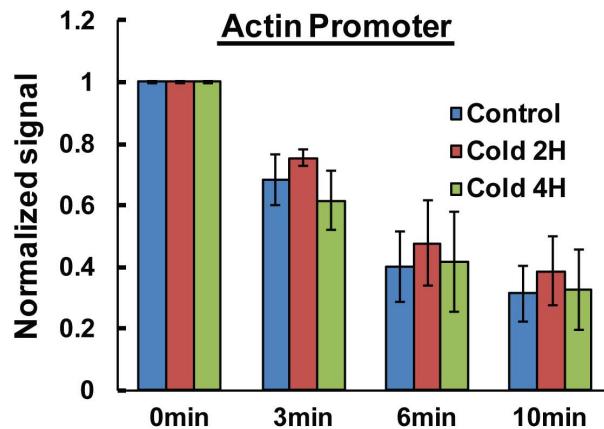
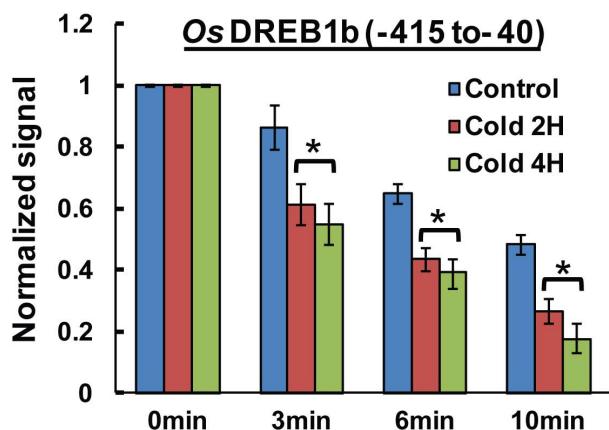
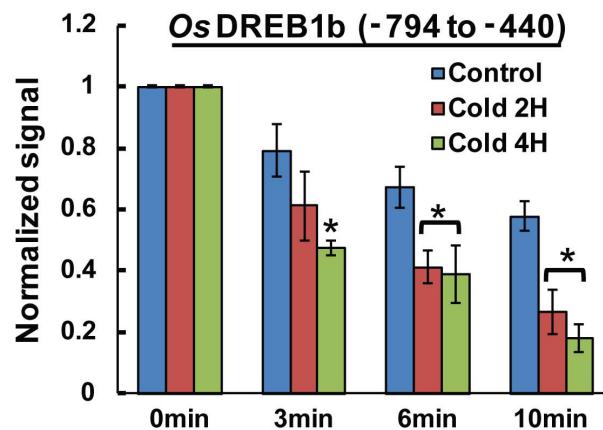
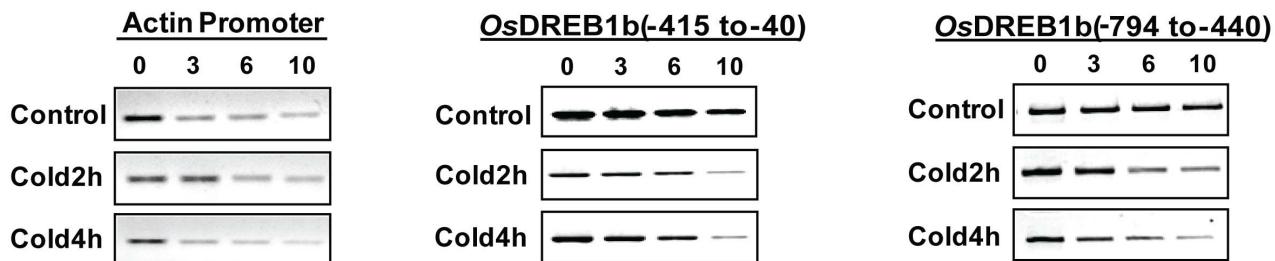
A**B****C****D**

Figure 6. Change in DNase I accessibility at the promoter and upstream region of *OsDREB1b* loci. Relative DNase I accessibility in control and cold stress treated nuclei (2 Hr and 4 Hr) was detected with PCR based method. Nuclei were digested with DNase I (5 U/ml) for increasing time period (0,3,6,10 min). The isolated DNA was used for PCR reaction with primers specific for promoter and upstream region. The amount of DNA amplified at each time point was normalised to that at time 0 and plotted against time to compare the rate of degradation. The relative rate of accessibility for actin promoter (A and D) and *OsDREB1b* (B, C, D) and The data represented here is a mean of three independent experiments with standard error bars. Statistically significant values were marked with *.

doi:10.1371/journal.pone.0100343.g006

Reference

- Roy D, Paul A, Roy A, Ghosh R, Ganguly P, et al. (2014) Differential Acetylation of Histone H3 at the Regulatory Region of *OsDREB1b* Promoter Facilitates Chromatin Remodelling and Transcription Activation during Cold Stress. PLoS ONE 9(6): e100343. doi:10.1371/journal.pone.0100343