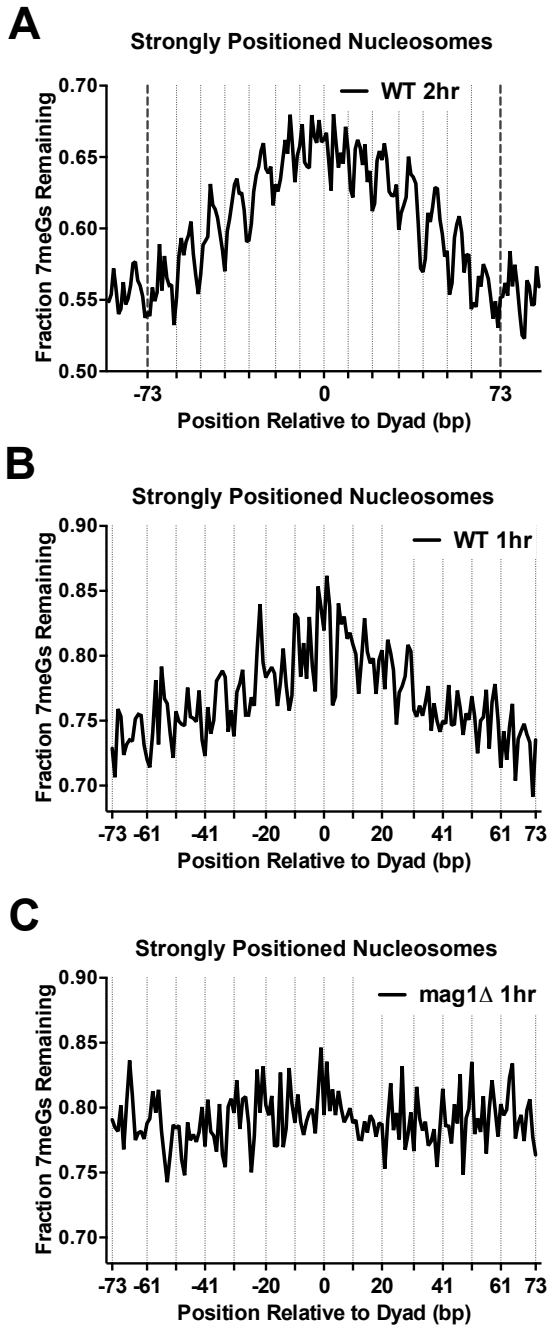


Supplemental Fig. S5



Supplemental Figure S5. Strongly positioned nucleosomes modulate repair of 7meG lesions in WT but not *mag1Δ* strains. (A) Fraction of 7meG lesions remaining in ~10,000 strongly positioned nucleosomes (nucleosome score > 5) following 2hr repair in WT cells relative to 0hr *mag1Δ* control. Nucleosomes overlapping with the *MAG1* gene, which is deleted in the *mag1Δ* control strain, were excluded from this analysis. 'Out' rotational settings are indicated by dashed lines. Includes 16 nucleotides of flanking DNA beyond each nucleosome boundary (i.e., -73 and +73). (B) Fraction of 7meG lesions remaining following 1hr repair in WT cells relative to 0hr

mag1 Δ control among ~10,000 strongly positioned nucleosomes. (C) Same as in part B, except for 1hr repair in *mag1* Δ mutant cells.