Supporting Information

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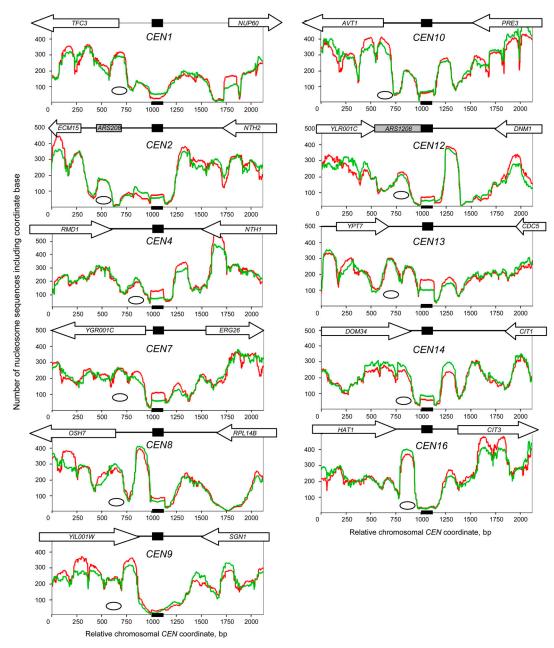


Fig. S1. Nucleosome occupancy profiles for all yeast centromeres not included in Fig. 2. The scale has been set arbitrarily such that the first nucleotide in CDEI in the CEN sequence as defined by the Saccharomyces Genome Database (black box) is at coordinate 1,001. Red trace: control cells; green trace: 3AT-treated cells. All nucleosome sequences were included. Raw data are shown. The data for 3AT-treated cells were multiplied by 1.27 to adjust for the different total numbers of nucleosomes sequenced for the two samples.

Fig. S2. Alignment of the CEN nucleosome kernels according to their dyad axes (i.e., the centers of the kernel sequences). Nucleotides within the CEN sequence are indicated in red, those outside CEN but within the kernel are in black and those that are outside the kernel are in gray. Nucleotides underlined in CDEI and CDEIII represent the specific binding sites of Cbf1 and CBF3 (Cep3), respectively. Fig. S2 is an expanded version of Fig. 4A, showing the entire CEN sequences.