**Figure S2** Yeast shmoo formation in temperature-sensitive mutants. (A, B) Representative DIC images of mutants containing temperature sensitive alleles in the essential proteins topoisomerase II (top2-1) (A) and karyopherine Crm1/Xpo1 (xpo1-1) (B). Mutants were grown at 25° until exponential phase and were maintained at 25° or transferred to 37° for 4h. Cells were then treated with 10 μg/ml α-factor for 2h. Percentage of cells containing shmoos in samples treated with α-factor are indicated. Approximately 300 cells were manually counted for each sample from at least two independent experiments.