

Figure S1. *Aspergillus fumigatus* chromosomes. The 8 chromosomes of *A. fumigatus* are represented from largest to smallest, short arm to long arm. The size presented to the right of each chromosome representation is the optical map estimated size. The numbers superimposed on each arm is the size of that arm in Mb by sequence content. The location of the rRNA repeat cluster is represented by the maroon vertical bars. The number of repeats is estimated to be 35 by the optical map. The direction of the repeat telomeric to centromeric is 28S to 18S with 5' 28S to intervening sequence to 3' 18S spanning 7 Kb bases. The 33 copies of 5S rRNA are dispersed in the genome. No centromere is completely sequenced. The sizes of the centromeric gaps are: Chromosome 1, 43 Kb; Chromosome 2, 14 Kb flanking 2,354 bp of centromeric sequence followed by a gap of 8 Kb; Chromosome 3, 8 Kb; Chromosome 4, 82 Kb; Chromosome 5, 59 Kb; Chromosome 6, 25 Kb; Chromosome 7, 42 Kb, Chromosome 8, 29, Kb. There are also physical gaps at the rDNA repeats on Chromosome 4 as well as at a subtelomeric location on Chromosome 6.

