



**Figure S5** Spatial distribution of crossover events vs distribution of double-strand breaks (DSBs) reported by Smagulova *et al.* (2011); Brick *et al.* (2012). Cumulative distribution of crossover events along scaled, normalized chromosomes by sex is shown as in Figure S4. Cumulative distribution of DSBs is shown in grey. Values in each panel give  $-\log_{10}(p\text{-values})$  for a two-tailed Kolmogorov-Smirnov test of difference between male distribution and DSB distribution on each chromosome.