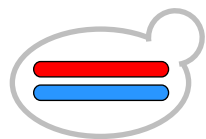


Diploid cross

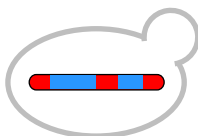
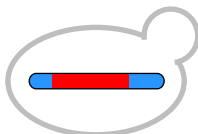
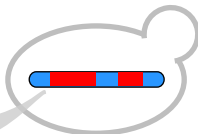
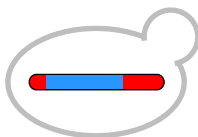
Haploid spores

PMS in a pair of
mother-daughter cells

Genome-wide
genotyping

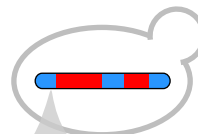
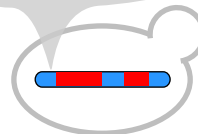


Meiosis



Mitosis

5' ttagactagTagaagtatc 3'
|||||||
3' aatctgatcAtcttcatag 5'



5' ttagactagCagaagtatc 3'
|||||||
3' aatctgatcGtcttcatag 5'



5' ttagactagTagaagtatc 3'
|||||||
3' aatctgatcGtcttcatag 5'

Unresolved mismatches in
heteroduplex DNA

 S288c Chr.
 YJM789 Chr.
 recombinant Chr.