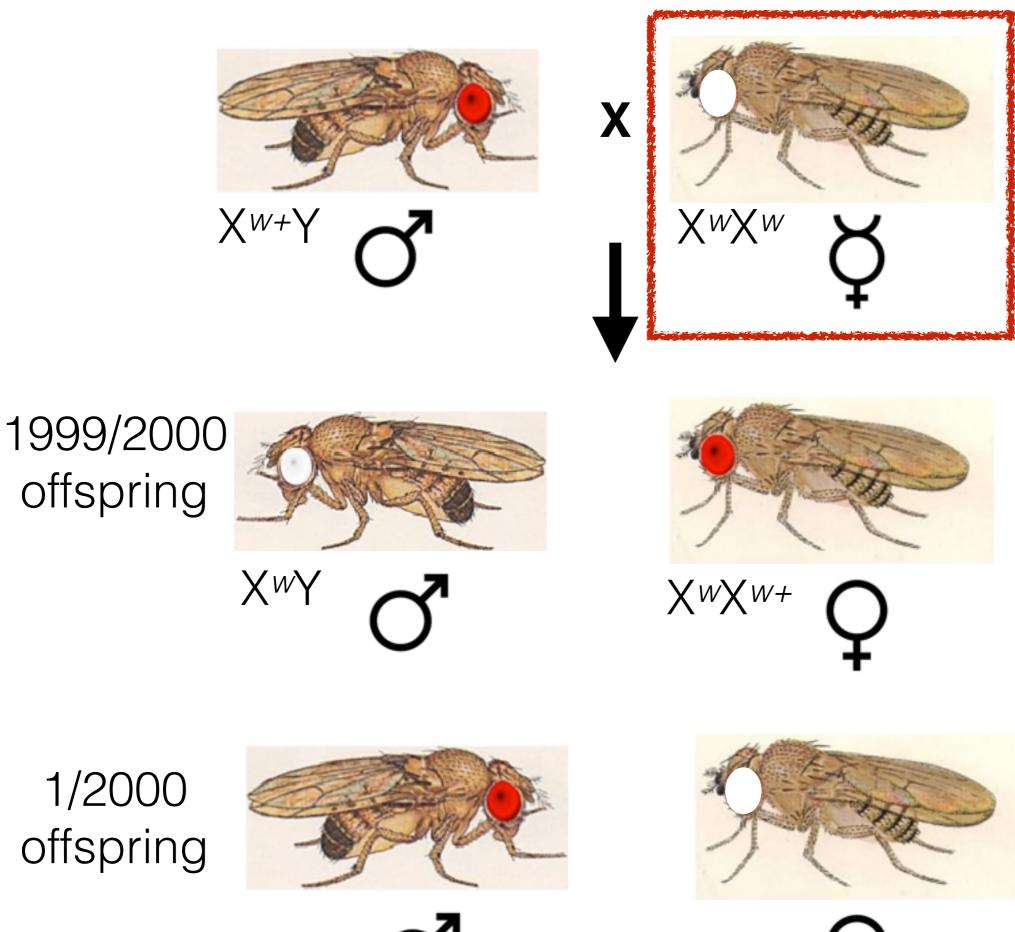
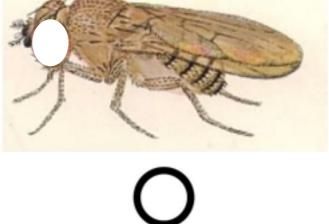
Bio393: Genetic Analysis

Chromosome theory, Mitosis, and Meiosis

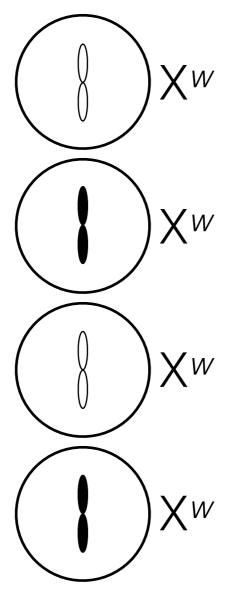
Nondisjunction



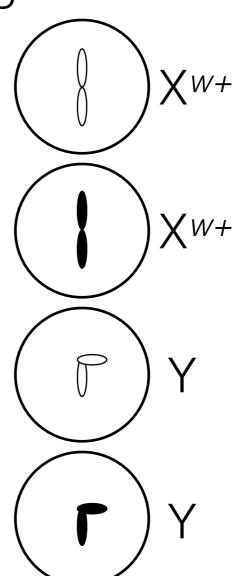
1/2000 offspring



Female gametes

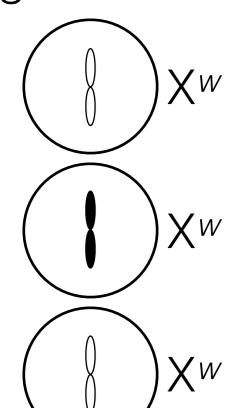


Male gametes

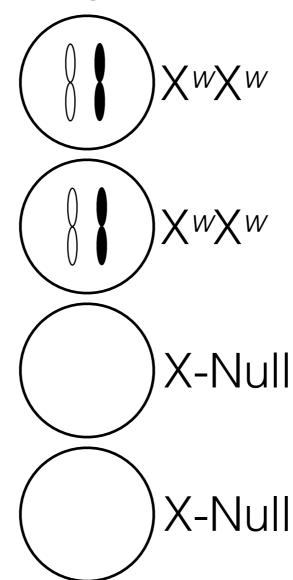


1999/2000 Xw+Xw offspring XWY

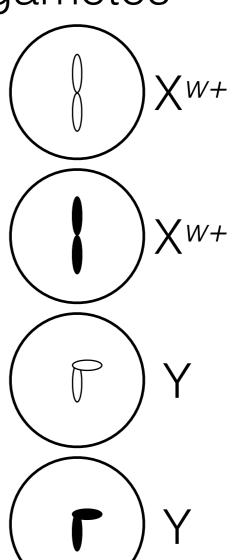
Female gametes



Meiosis I NDJ Female gametes



Male gametes



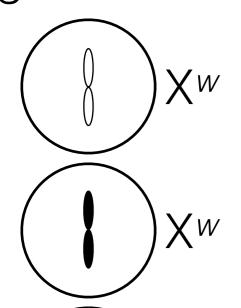
1999/2000 offspring

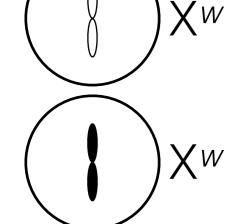
XW+XWXWY

1/2000 offspring XwXwY

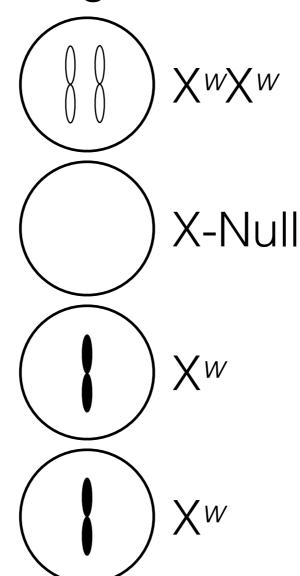
 X^{W+0}

Female gametes

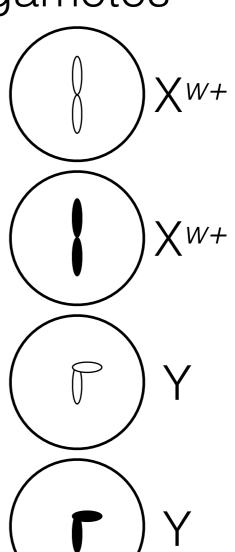




Meiosis II NDJ Female gametes



Male gametes



1999/2000 offspring XWY

XW+XW

1/2000 offspring XwXwY

 X^{W+0}

Why did the reciprocal cross not indicate to them that something weird was going on?

$$XWY$$
 $XW+XW+$

How can you tell the difference between MI NDJ and MII NDJ?

