

Figure 1. MI Segregation Pattern.

When no crossing over occurs between the gene and the centromere, the "+" gene segregates from the "t" gene at MI.

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If crossing over does occur, then the genetic markers do not separate until the sister chromatids divide at meiosis II, an MII segregation pattern.

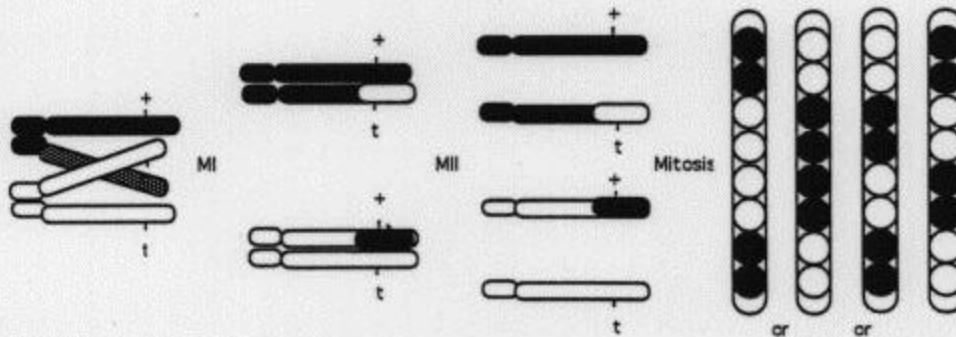


Figure 2. MII Segregation Pattern

When a crossover occurs between the $+/t$ locus and the centromere, the "+" gene does not segregate from the "t" gene until MII.