

Chromosomal Basis of Inheritance

Glossary

- **Branch Migration:** The process in which base pairs on homologous strands are consequently exchanged at a Holliday junction, moving the branch up or down the DNA sequence.
- **Cis configuration:** The presence of dominant alleles of two or more pairs on one chromosome and the recessive alleles on the homologous chromosome.
- **Feminizing Masculinizing:** To induce female characteristics in male To induce male characteristics in female.
- **Heteroduplex:** A double stranded molecule of nucleic acid originated through genetic recombination from different sources
- **Self incompatibility:** A genetic mechanism which prevent self fertilization thus encourage outcross.
- **Synapsis:** The pairing of two homologous chromosomes that occurs during meiosis.
- **Tassel seed:** Feminization of the tassel
- **Trans configuration:** An arrangement in which the dominant allele of one pair of genes and the recessive allele of another pair are on the same chromosome

- **Transesterification:** A reaction that breaks and makes chemical bonds in a coordinated transfer, so that no energy is required.
- **Vestigial:** Rudimentary organ of body become functionless in the course of evolution