

# Genetika

## 4. Determinasi Sex

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# Human Chromosomes

- 22 pair of autosomes
  - Everyone has these
- 1 pair of sex chromosomes
  - Different for each sex
  - Non-identical but act homologous (no crossover)
- Homologous chromosomes interact, then segregate from one another during meiosis

# Y Chromosome

- Small chromosome
- Fewer than two dozen genes identified
- SRY gene = male

# X chromosome

- Large Chromosome
- Carries more than 2,300 genes
- Most genes deal with nonsexual traits
- Expressed in both males and females

# Human Sex Determination

