Inheritance Patterns

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| **Type** | **Which Chromosomes involved?** | **Geno type**  **Possibilities** | **Genotype Examples** | **Phenotype Pattern** | **Phenotype Example** |
| **Dominant Recessive** | Autosomal | Homozygous Dominant  Heterozygous  Homozygous Recessive | TT  Tt  tt | Express Dominant trait  Express Dominant trait  Express Recessive trait | Can roll tongue  Can roll tongue  Cannot roll tongue |
| **Sex Determination** | Sex Chromosomes | XX or XY | XX or XY | Either Female or Male | Female or Male |
| **Sex-Linked** | Sex Chromosomes (X only) | Females:  Homozygous Dominant  Heterozygous  Homozygous Recessive  Males:  Hemizygous | XHXH  XHXh  XhXh  XHY  XhY | Express Dominant trait  Express Dominant trait  (Carrier)  Express Recessive trait  Express Dominant trait  Express Recessive trait | Not Haemophiliac  Not Haemophiliac  Haemophiliac  Not Haemophiliac  Haemophiliac |
| **Incomplete** | Autosomal | Homozygous  Heterozygous | HCHC  HSHS  HCHS | Features of both traits ‘blend’ to make a new trait | Curly Hair  Straight Hair  Wavy Hair |
| **Co-dominant** | Autosomal | Homozygous  Heterozygous | IAIA  IAIB | Features of both traits expressed | A Blood Group  AB Blood Group |