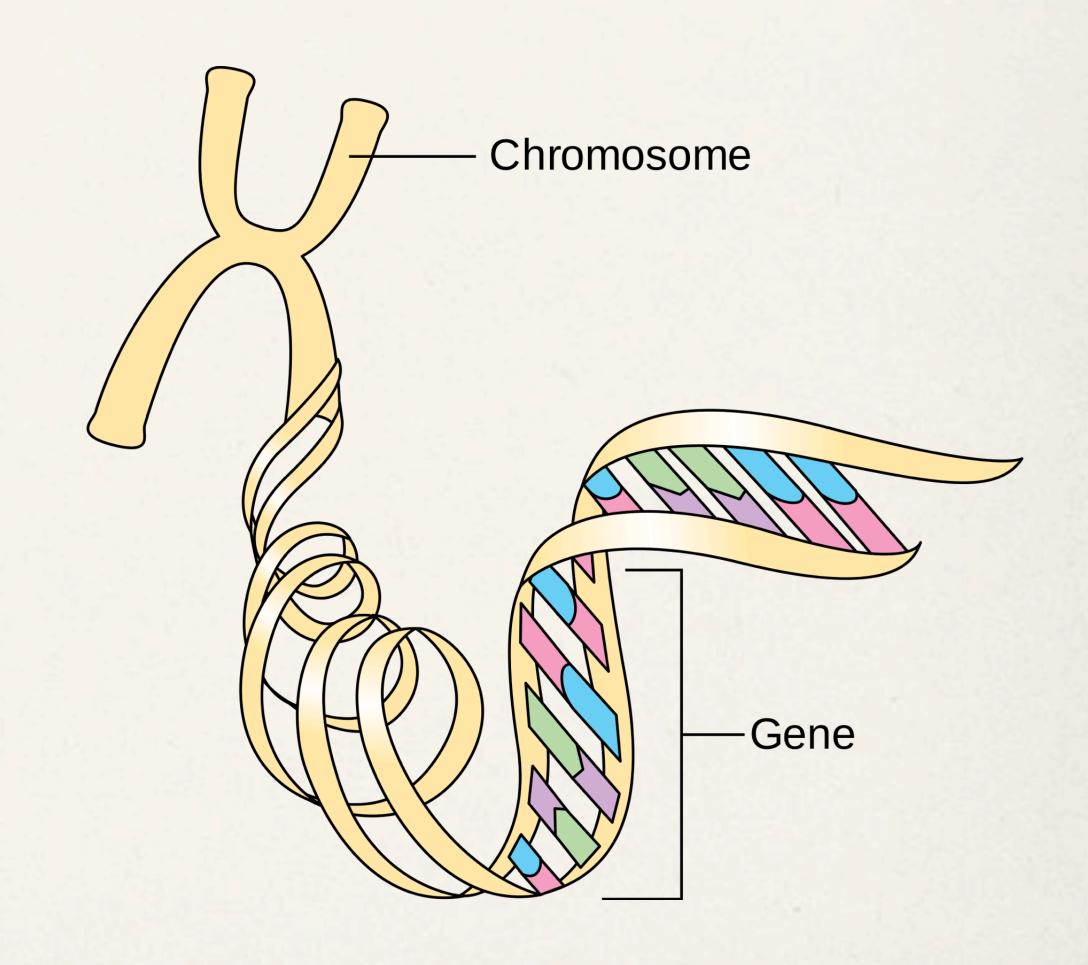
Genes and genotypes

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- * In diploid organisms each gene exists in pairs (the genotype) at the chromosome locus.
 - * Homozygous genotype if the alleles in the gene pair are the same.
 - * Heterozygous genotype if the alleles in the gene pair are different.



A recessive and lethal gene

- * Alleles: A, a
 - Gene A is dominant
 - * Gene a is recessive and lethal
- * Genotypes: AA, Aa, aa
 - * Type AA individuals are free of the disease
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