

MUTATIONS

- a change in the DNA that may cause an incorrect protein to be made
- mutations can be helpful as well as harmful
- substitutions (aka point mutation)
changing one base for another

(M&M's instead of chocolate chips)

(salt instead of sugar)

- deletions
dropping a base from the code

(forgot the nuts)

(forgot the flour)

- additions
adding a base to the code

(added M&M's to chocolate chips)

(added motor oil)

- sometimes mutations are silent because the same amino acid is coded and no change is seen in the resulting protein

Attachments

Amino Acid chart.pdf