

DNA Mutations Notes

Mutation: Change in DNA (genetic Material)

CHROMOSOMAL MUTATIONS:

GENE MUTATIONS:

Point Mutation:

Duplication:

Ex:

Inversion:

Point mutations can be divided into two general categories:

Translocation:

- 1. Base-pair substitutions**
- 2. Base-pair insertions or deletions (frameshift mutations)**

Associated Disorder:

1. Base-Pair Substitutions

Reproductive cell mutations

Silent Mutation:

Somatic cell mutations

Missense Substitution:

Nonsense Substitution:

Causes of Mutation:

Benefits of Mutation:

2. Base-pair insertions or deletions

Frameshift deletion and insertion: