

Perform a **Substitution Mutation** on the second codon

Original/Non Mutated	↓	Mutated	↓
DNA	_____	DNA	_____
mRNA	_____	mRNA	_____
a.a.	_____	a.a.	_____

Perform an **Insertion Mutation** on the second codon

Original/Non Mutated	↓	Mutated	↓
DNA	_____	DNA	_____
mRNA	_____	mRNA	_____
a.a.	_____	a.a.	_____

Perform a **Deletion Mutation** on the second codon

Original/Non Mutated	↓	Mutated	↓
DNA	_____	DNA	_____
mRNA	_____	mRNA	_____
a.a.	_____	a.a.	_____

Briefly describe (in words) what happens in the 4 chromosomal mutations.

In DELETION:

In Duplication:

In Translocation:

In Inversion: