**Text Comparison Matrix**

**Concept/subject: Mutations**

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| --- | --- | --- | --- |
| Type of Mutation | Explanation | Possible Results | Picture |
| Point | Point is the change of one single base pair.  | The wrong amino acid can make the wrong protein.  |  |
| Frameshift | Single base is added or deleted from DNA sequence which causes shift in reading of codons. | All amino acids will be wrong.  |  |
| Deletion | The deletion of one amino acid  | Create the wrong change of protein |  |
| Insertion | The insertion of one amino acid | Create the wrong change of protein |  |
| Inversion | Nucleotide rotates 180 | Offspring dies or sterile |  |
| Translocation | Moved to new location | Offspring dies or sterile |  |

Summary: (discuss similarities and differences)