

Amino acid sequence	Leu	Ser	Glu	Ala	Pro	STOP	Gly	Lys
Mutated codon?	No	No	Yes	Yes	Yes	Yes	No	No

Circle, box, or underline the location(s) in the template DNA strand of any mutation(s) in the above table

Q6. Describe how the primary structure of the polypeptide was affected by mutation, including any changes in the type(s) of amino acids (e.g., was a polar neutral amino acid coded by the unmutated strand changed to a nonpolar hydrophobic amino acid in the mutated strand?) and whether the polypeptide length was shortened.

The ribosome of polypeptide will read a different mRNA sequence resulting to formation of a growing polypeptide chain hence the polypeptide is not shortened. The protein formed is folded into shape that is biologically active.

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