

MUTATION: HOW IT AFFECTS PROTEIN SYNTHESIS

Transcription is already done. *TRANSLATE* the original sequence and then each of the mutation strands to see the effect (The mutations are underlined)

Normal Strand: A U G U G U U C A G G U C A U U G A
○ ○ ○ ○ ○ ○

Mutation #1: A U G U G U U C G G G U C A U U G A
○ ○ ○ ○ ○ ○

Type point mutation:

Effect on polypeptide chain:

Mutation #2: A U G U G U U A A G G U C A U U G A
○ ○ ○ ○ ○ ○

Type point mutation:

Effect on polypeptide chain:

Mutation #3: A U G U _ U U C A G G U C A U U G A
○ ○ ○ ○ ○ ○

Type point mutation:

Effect on polypeptide chain:

Mutation #4: A U G U C G U U C A G G U C A U U G A
○ ○ ○ ○ ○ ○

Type point mutation:

Effect on polypeptide chain:

Mutation #5: A U G U G U U C A G G U C A G U G A
○ ○ ○ ○ ○ ○

Type point mutation:

Effect on polypeptide chain: