**Sequence**

[Name of Writer]

[Name of Instituion]

**SEQUENCE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| G | A | C | T | C | T | A | G | A | G | G | A | T | C | C | C | C | G | G | G | T | A | C | C |
| C | T | G | A | G | A | T | C | T | C | C | T | A | G | G | G | G | C | C | C | A | T | G | G |
| **G** | **A** | **C** | **U** | **C** | **U** | **A** | **G** | **A** | **G** | **G** | **A** | **U** | **C** | **C** | **C** | **C** | **G** | **G** | **G** | **U** | **A** | **C** | **C** |
|  | | |  | | |  | | |  | | |  | | |  | | |  | | |  | | |
| G | A | G | C | T | C | G | A | A | T | T | C | G | T | A | A | T | C | A | T | G | G | T | C |
| C | T | C | G | A | G | C | T | T | A | A | G | C | A | T | T | A | G | T | A | C | C | A | G |
| **G** | **A** | **G** | **C** | **U** | **C** | **G** | **A** | **A** | **U** | **U** | **C** | **G** | **U** | **A** | **A** | **U** | **C** | **A** | **U** | **G** | **G** | **U** | **C** |
|  | | |  | | |  | | |  | | |  | | |  | | | **Met** | | | **Val** | | |
| A | T | A | G | C | T | G | T | T | T | C | C | T | G | T | G | T | G | A | A | A | T | T | G |
| T | A | T | C | G | A | C | A | A | A | G | G | A | C | A | C | A | C | T | T | T | A | A | C |
| **A** | **U** | **A** | **G** | **C** | **U** | **G** | **U** | **U** | **U** | **C** | **C** | **U** | **G** | **U** | **G** | **U** | **G** | **A** | **A** | **A** | **U** | **U** | **G** |
| **Met** | | | **Ala** | | | **Val** | | | **Ser** | | | **Cys** | | | **Val** | | | **Lys** | | | **Leu** | | |
| T | T | A | T | C | C | G | C | T | C | A | C | A | A | T | T | C | C | A | C | A | C | A | A |
| A | A | T | A | G | G | C | G | A | G | T | G | T | T | A | A | G | G | T | G | T | G | T | T |
| **U** | **U** | **A** | **U** | **C** | **C** | **G** | **C** | **U** | **C** | **A** | **C** | **A** | **A** | **U** | **U** | **C** | **C** | **A** | **C** | **A** | **C** | **A** | **A** |
| **Leu** | | | **Ser** | | | **Ala** | | | **His** | | | **Asn** | | | **Ser** | | | **Thr** | | | **Gln** | | |
| C | A | T | A | C | G | A | G | C | C | G | G | A | A | G | C | A | T | A | A | A | G | T | G |
| G | T | A | T | G | C | T | C | G | G | C | C | T | T | C | G | T | A | T | T | T | C | A | C |
| **C** | **A** | **U** | **A** | **C** | **G** | **A** | **G** | **C** | **C** | **G** | **G** | **A** | **A** | **G** | **C** | **A** | **U** | **A** | **A** | **A** | **G** | **U** | **G** |
| **His** | | | **Thr** | | | **Ser** | | | **Arg** | | | **Lys** | | | **His** | | | **Lys** | | | **Val** | | |
| T | A | A | A | G | C | C | T | G | G | G | G | T | G | C | C | T | T | A | A | T | G | A | G |
| A | T | T | T | C | G | G | A | C | C | C | C | A | C | G | G | A | A | T | T | A | C | T | C |
| **U** | **A** | **A** | **A** | **G** | **C** | **C** | **U** | **G** | **G** | **G** | **G** | **U** | **G** | **C** | **C** | **U** | **U** | **A** | **A** | **U** | **G** | **A** | **G** |
| **STOP** | | |  | | |  | | |  | | |  | | |  | | |  | | |  | | |

The first row represents the sequence as read from the autoradiogram of the gel read from bottom up representing 5’ to 3’. The second row represents the complementary sequence of this sequence meaning the sequence in 3’ to 5’ direction of the DNA sequence on the primer. This is the coding strand and is written in red color. The third row represents the mRNA sequence that is complementary to the coding strand and in 5’ to 3’ direction. This is written in green. The fourth row is the sequence of amino acids in the polypeptide. This is written in blue. This sequence starts with the start codon and ends at the stop codon. The start codon in this case is AUG while the stop codon is UAA. Both are clearly mentioned in the table.