

CSCI 551: HW1

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1 Question 1:

For the following mRNA sequence, can you extract its 5' UTR, 3' UTR and the protein sequence?

ACTTGTC**AT**GGTAACTCCGTCGTACCAG**TAG**GGTCATG

Answer: The 5' UTR is ACTTGTC, 3' UTR is GTCATG and the protein sequence is ATGGTA^{ACTCCGTCGTACCAGTAG} which is MVTPSYQ

2 Coding

[illegible]

Figure 1: Output of code searching in test fasta file for tac