

DNA Translation/Transcription Practice Worksheet

Directions: Convert the DNA template to mRNA. Indicate the mRNA codons. Convert mRNA to tRNA. Indicate the anticodons. Convert mRNA to amino acid sequence using the mRNA codon table. Show the amino acid sequence with “—” between each amino acid as shown in class.

1.
DNA Template: TACGGCTACCATATGGAGTTAAGGACT
mRNA:
tRNA:

Amino Acid Sequence:

2.
DNA Template: TACCCCCAGGAGATAACGTACTACTACATT
mRNA:
tRNA:

Amino Acid Sequence:

3.
DNA Template: TACCACATATTATTTAAAATAGCGATC
mRNA:
tRNA:

Amino Acid Sequence:

4
DNA Template: TACTACCATGAGCACTATAAGAACCCAGGTACT
mRNA:
tRNA:

Amino Acid Sequence:

5.
DNA Template: TACCGCGCGTTTTATAGCCGATTATAGGAGCAGGACATC
mRNA:
tRNA:

Amino Acid Sequence: