

Reading Assignment for Prokaryote Translation Lecture:

Chapter 6 – From DNA to Protein
MBOC 5th edition

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366-382	From RNA to protein
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An mRNA sequence is decoded in sets of 3 nucleotides

tRNA molecules match amino acids to codons in mRNA

Specific enzymes couple each amino acid to its appropriate tRNA molecule

Amino acids are added to the C-terminal end of a growing polypeptide chain

RNA message is decoded on ribosomes

Elongation factors drive translation forward and improve its accuracy

The ribosome is a ribozyme

Nucleotide sequences in mRNA signal where to start protein synthesis

Stop codons mark the end of translation

Proteins are made on polyribosomes