

## Transcription and Translation

5' ... G T A C T A T A A T T A C C G G C C T A T G A A A G T C A T A A T G G C C ...

3'

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5' ... G T C T A T C T A T A A C C A G C T A T A A C C C C C C G G G G G G G ...

3'

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5'cap

Codon

DNA dependent RNA Polymerase

Initiation sequence

mRNA

3'poly A tail

Ribosome

rRNA

SnRNP

Start codon

Termination sequence

tRNA