

# Quiz 1. DNA and proteins

1. If we know that 40% of a given sequence is A, what is a proportion for the rest of the nucleotides?

- A. 40% G, 10% T, 10% C
- B. 40% T, 10% G, 10% C
- C. 40% G, 15% C, 5% T
- D. Insufficient data

2. What protein sequence will be transcribed and then translated from the following DNA sequence?

AAAGGG

Transcribed into:

Translated into:

		2nd base in codon					
		U	C	A	G		
1st base in codon	U	Phe Phe Leu Leu	Ser Ser Ser Ser	Tyr Tyr STOP STOP	Cys Cys STOP Trp	U C A G	3rd base in codon
	C	Leu Leu Leu Leu	Pro Pro Pro Pro	His His Gln Gln	Arg Arg Arg Arg	U C A G	
	A	Ile Ile Ile Met	Thr Thr Thr Thr	Asn Asn Lys Lys	Ser Ser Arg Arg	U C A G	
	G	Val Val Val Val	Ala Ala Ala Ala	Asp Asp Glu Glu	Gly Gly Gly Gly	U C A G	