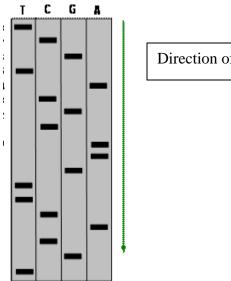
## Quiz 2. More DNA and proteins

3. (Sequencing) Read sequence (the first 10 nucleotides) from the Sanger gel experiment results. Hint: from the shorter to the longer



Direction of gel electrophoresis

- 4. (Protein encoding again) The protein products of what of the following pairs of mRNA sequences fold into the same tertiary structure:
- (1) CAUAAU, CAAAAG
- (2) UCUCGA, UCACGU
- (3) AAAGCU, CAAAAG
- (4) None of the above

2nd base in codon							
1st base in codon		U	С	Α	G		
	U	Phe Phe Leu Leu	Ser Ser Ser Ser	Tyr Tyr STOP STOP	Cys Cys STOP Trp	UCAG	3rd ba
	С	Leu Leu Leu Leu	Pro Pro Pro Pro	His His GIn GIn	Arg Arg Arg Arg	UCAG	3rd base in codon
	Α	lle lle lle Met	Thr Thr Thr Thr	Asn Asn Lys Lys	Ser Ser Arg Arg	UCAG	9
	G	Val Val Val Val	Ala Ala Ala Ala	Asp Asp Glu Glu	Gly Gly Gly Gly	UCAG	