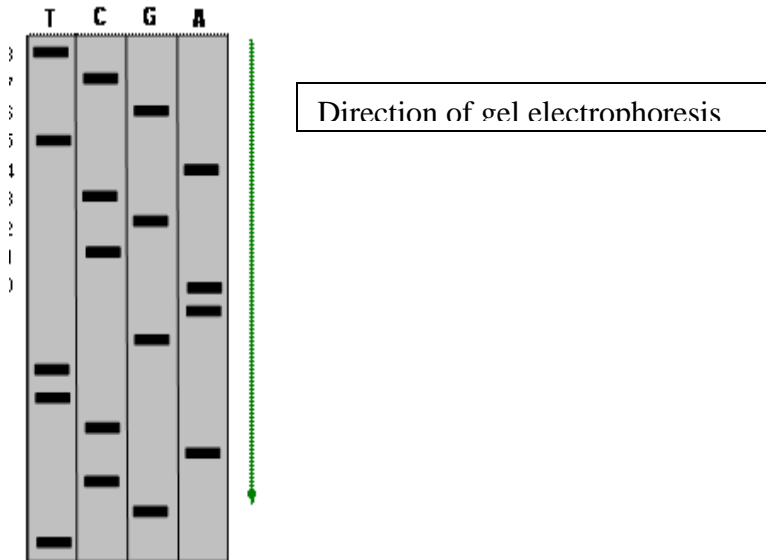


Quiz 2. Molecular basis of life

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



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				
		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
	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
						3rd base in codon