

Dideoxy Sequencing Practice

The key steps of this procedure will be presented in class, it is in your text. Also there is a link to a youtube video on the class web page.

In order to determine if a mutation has occurred, DNA is sequenced using the Sanger (dideoxy) method, use the data from the PAGE gel below to give the sequence of DNA. Be sure to label the 5' and 3' end of the DNA.

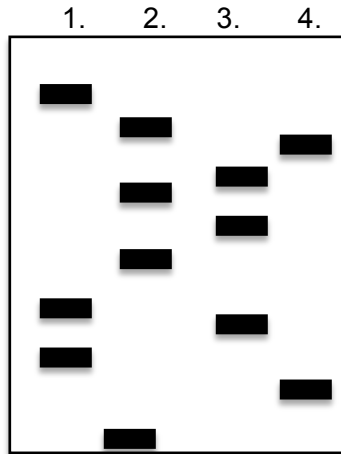


Figure1, DNA sequencing gel for a dodecamer (12 bases) of DNA.

Lane 1: dATP, dGTP, dCTP, dTTP, ddGTP

Lane 2: dATP, dGTP, dCTP, dTTP, ddTTP

Lane 3.: dATP, dGTP, dCTP, dTTP, ddATP

Lane 4: dATP, dGTP, dCTP, dTTP, ddCTP