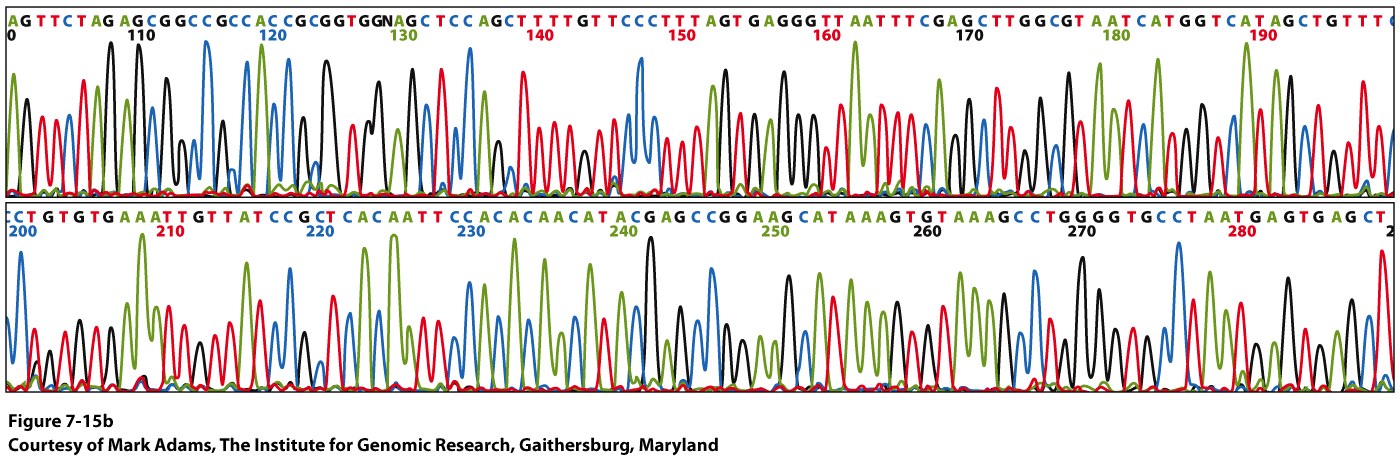
**CHEM525 Experiment 5 PreLab**

**Screening and Sequencing**

1. Describe how the image below is collected.



1. Describe two reasons why colonies may be observed if the ligation reaction was not successful.
2. What are two methods to determine if a ligation reaction was successful?
3. How will you prepare your PCR reactions in lab? Assuming a 50 L reaction, clearly list the volume of any reactant that you’ll need. Refer to your lab notebook for guidance.