RDM Day 2 Interpretation Questions

1. Interpret what you saw on your low-melt gel. If you didn't see the three bands you were aiming for, give explanations as to why that happened.

2. What three features do pUC19 and pET share making them useful cloning vectors? In addition, what distinct quality does pET have that pUC19 does not? How will this feature come in handy later in the module?

3. When group A1 plates their ligations, the following are their results. Explain what might have happened. (Assume they performed all the steps in the experiment correctly and had complete digestions of pET and pUGFP as judged by the low melt gel.)

   Ligation #1 – lots of transformants
   Ligation #2 – lots of transformants
   Ligation #3 – zero transformants
   Ligation #4 – lots transformants