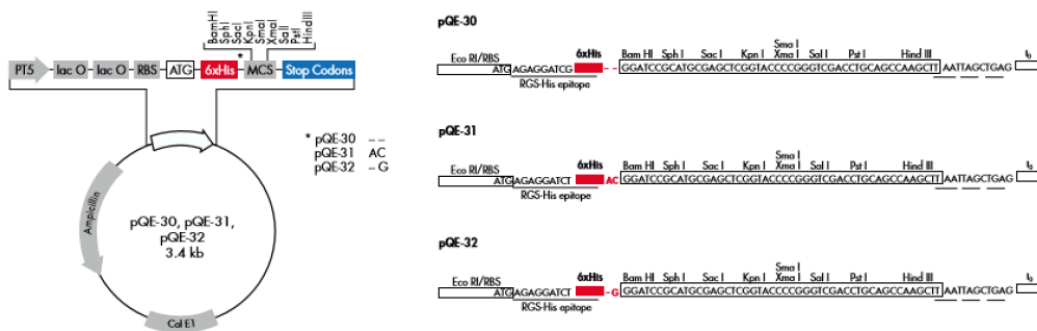


Molecular Techniques – Initial Instructor Visit Planning Sheet

Take the first 30 min of class to prepare for our meeting using the following points. Have this written out to hand in.

- 1) Show how you will subclone/mutate your product. Show is the key point. Primer design, show the insert / deletion / amplicon will STAY in reading frame – that means a typing out of the initial and final proposed sequence. Include enough detail that ANYONE could see what you started with and your final product (see item 2 below). We encourage you to use Snapgene or other products.
- 2) Include a plasmid map and an expanded image showing your final product (see figure below for an EXAMPLE)



- 3) Things to consider
 - a. Met – make certain following the promoter and RBS site that there isn't a MET before your clone in reading frame.
 - b. Stop/end codon. Make certain you have one in the right place.
 - c. Look at the sequence and SHOW that the final product will be in the correct reading frame.
 - d. Look
- 4) A list of all enzymes, polymerase (type), primers, ligases and other reagents that you will need. A grocery list if you will.
- 5) A detailed outline and protocols (refer to protocols, they are not part of the outline) of each step you will need to have to get to the final product (refer to the original instructions).