6/08/17

Thursday, June 8, 2017 11:09 AM

Who was in lab today: Jeff, Ayesha, Qingxi, Martin

New Protocol: Tyler's protocol for efficient restriction digest:

1. Add DNA, water, buffer and enzymes to fresh eppendorf tube, **making sure to add enzymes last**
   a. 40 uL of DNA
   b. 5 uL buffer
   c. 2.5 uL of each enzyme
2. Let sit on hot water bath 37^{o}C for 1 hour

Martin & Jeff:

1. Miniprepped the DH5alpha w/ ligated plasmid. **See Miniprep Protocol**
2. Make chemically competent cells. **See Making Chemically Competent Cells protocol**
3. Transform with heat schock
4. Plate transformed cells, check for expression/growth tomorrow [6/09/17]. **See Plating Transformed Bacteria Protocol**

Ayesha & Qingxi:

1. Restriction digest was performed of leftover undigested CJBLUE and PET28B from the first time we miniprepped overnight cultures (on 6/02/17) of PET28B and CJBLUE. **See protocol for High Efficiency Restriction Digest.**
2. Made agarose gel to perform gel electrophoresis. **See Making Agarose Gel Protocol.**
3. Run Gel
4. Perform Gel Purification. **See Gel Purification Protocol.**
5. Obtain DNA concentration using plate reader
6. Perform DNA ligation step and leave overnight in 16 degree Celsius water bath. **See Ligase protocol.**