Name: Kennex, Shakera, Jiazi, Justin
Date:7/29/19
Goals:

1. Restriction digest DinoIII-GFP P2
2. Make 100ml overnight cultures for PCB302 in E. Coli from 7/3/19 glycerol stocks

Name: Jiazi Tian
Date:7/29/19

Goal:

1. Make 100ml overnight cultures for pcb302 in E. Coli from 7/3/19 glycerol stocks

Protocol:

Overnight cultures for PCB302 from 7/3/19 75ul 7&150ul 1&150ul 3

1.Added 100ml YM medium and 100ul kanamycin into a flask.
2.Used 10ul pipette tip to dip the glycerol stock of these samples.
3.Incubated at 28 degrees C for 48 hours.

Name: Shakera Thomas, Kennex Lam
Date: 7/29/2019

Goal:

1. Restriction Digest on DinoIII P2 (4) and DinoIII P2 (10)

Protocol:

Restriction Digest Protocol

30 µL Fast Digest Restriction Digest

1. Prepared a Fast Digest concentration cocktail with the following proportions: 1 µL Restriction Enzyme XbaI, 1 µL Restriction Enzyme BglII, 3 µL of 10X Fast Digest Buffer, and 15 µL of diH2O.
2. Added 20 µL of this cocktail to a clean 1.5 Eppendorf tube and then add 10 µL of the DNA samples
3. Incubated at 37° C for 30 minutes.

Name: Shakera Thomas, Kennex Lam
Date: 7/29/2019

Goal:

1. Run gel of DinoIII restriction digest

Protocol:

Preparing, Loading, and Running a 1% Agarose Gel

Preparing

1. Added 1 g of Agarose in 100 mL of 1X TBE in an Erlenmeyer flask
2. Heated in the microwave until fully dissolved
3. Allowed the solution to cool until comfortable to touch
4. Added 10 µL GelRed Nucleic Acid Gel Stain and mixed
5. Inserted casting tray, made sure the rubber on the sides was not overlapping
6. Carefully poured the agarose into the tray and placed the comb to create the wells
7. Allowed the gel to solidify
8. Once solidified, changed the orientation of casting tray where the rubber sides are not in contact with the sides of the system.
9. Poured in 1X TBE into the gel electrophoresis system to the fill line, being sure to submerge the gel, and removed the comb

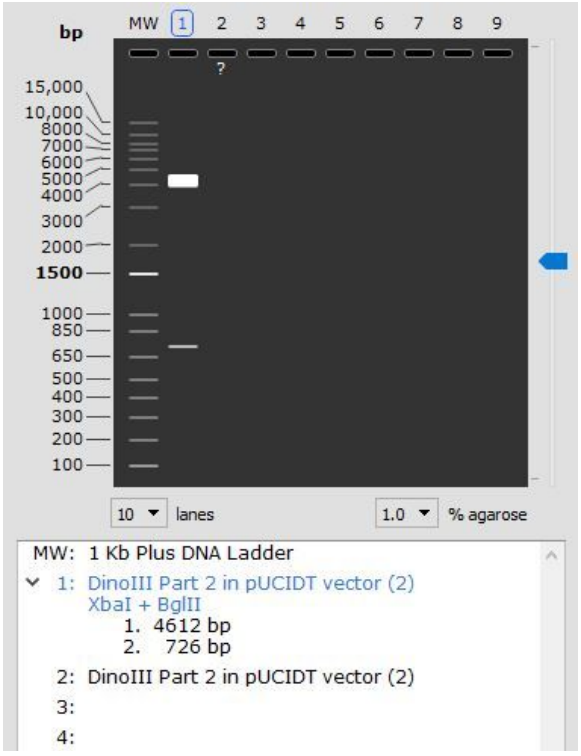
Loading

1. Loaded 10 µL of the 1 kb Plus DNA ladder in the first well
2. The prepared samples were loaded into the gel
    a. 10 µL of DinoIII P2 (10) in Lane 3
    b. 10 uL of Dino III P2 (4) in Lane 5

Running

1. Once the gel had been loaded, slid on the cover making sure the negative electrode is closest to the DNA and the positive electrode is at the bottom of the gel
2. Ran for 45 minutes at 120 V

Expected Results:



Results: