Name: Rehmat Babar, Chiara Brust, Krithika Karunakaran
Date: 7/5/19

Goals:

1. PCR on pcb302 in E. Coli straight from papers 1 & 2
2. Overnights of pcb302 in Agrobacterium Tumefaciens from papers 1 & 2

Name: Krithika Karunakaran
Date: 7/5/19

Goal:

1. Overnights of pcb302 in Agrobacterium Tumefaciens

Protocol:

Overnights of pcb302 Protocol

1. 15mL of YM (media) was added to each 50mL Falcon tube (3 tubes total)
2. 15µL of kanamycin was added to each tube
3. A p20 was dipped into each of the 3 colonies and dropped into the corresponding tubes.
4. The tubes were placed in the shaker (next to the incubator on the back counter) at 28°C and shaking at 220rpm. They should be removed from the incubator first thing Monday (7/8/19)
    a. The pcb302 plates are in the fridge.

Name: Rehmat Babar
Date: 7/5/19

Goals:

1. PCR on pCB302-gfp-MBD plasmid in E. Coli that came off of the filter paper that was sent to us.

Materials:

DreamTaq Green PCR Master Mix (2x) Lot 00603571

Protocol:

PCR Protocol
20 µL Reaction

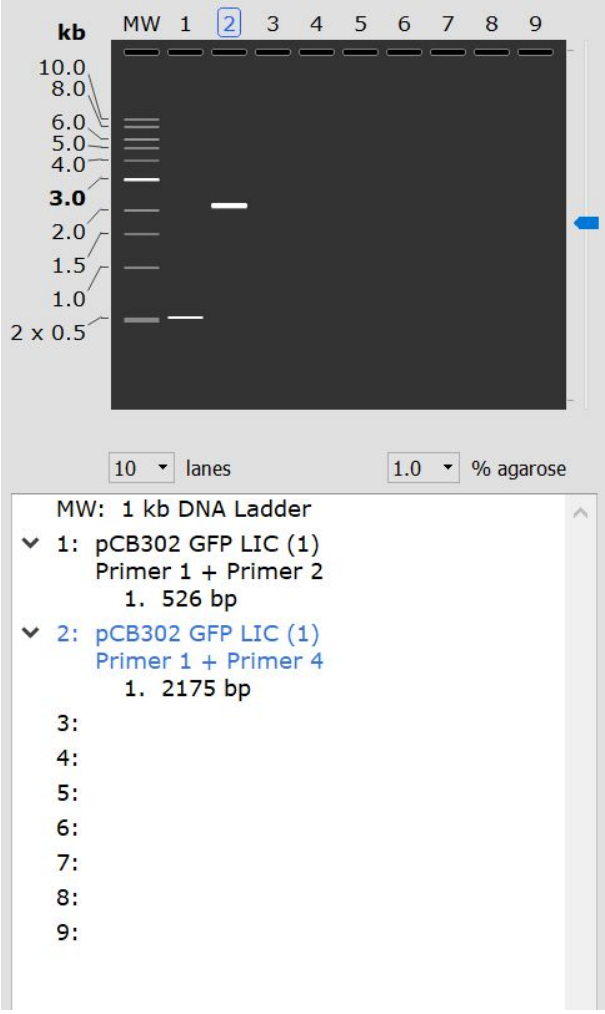
1. Prepared a PCR concentration cocktail with the following proportions: 7 µL of diH2O, 10 µL Dream Taq PCR Mastermix (2x), 1 µL of the forward primer, and 1 µL of the reverse primer.
    - 1 reaction with primers 1 & 2
    - 1 reaction with primers 1 & 4

2. Placed PCR tube in the thermocycler at the following settings:
    1. 95° C for 3:00 minutes
    2. 95° C for 1:00 minute
    3. **48° C for 1:00 minute**
    4. 72° C for 1:00 minute
    5. 30X (Go to Step 2)
    6. 72° C for 5:00 minutes

    Lid Temperature: 105° C

The PCR was analyzed on a gel electrophoresis gel

Results:


kb
MW 1 2 3 4 5 6 7 8 9
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.5
1.0
2 x 0.5
10 lanes
1.0 % agarose
MW: 1 kb DNA Ladder
1: pCB302 GFP LIC (1)
Primer 1 + Primer 2
1. 526 bp
2: pCB302 GFP LIC (1)
Primer 1 + Primer 4
1. 2175 bp
3:
4:
5:
6:
7:
8:
9: