

7/26/17 (Someone Deleted)

Tuesday, October 24, 2017 11:09 PM

7/26/17

Wednesday, July 26, 2017

12:11 PM

Who's in Lab: Ayesha, Martin, Jeff, Qingxi, Nathan

Summary:

A) -Checked the the G.A. trial #1 plates with pUC19 as the control plate and JOE+YCP construct as the experimental plate. Both had colonies but the pUC19 had smaller colonies. Put that back in 32 degree room for colonies to grow bigger and make sure they are E. Coli colonies and not contamination.

-The colonies on JOE+YCP plate were not yellow even under uv light visualization.

- Hence, BL21 cells were transformed with pUC19 and JOE+YCP. These plates will be checked tomorrow for results.

YCP+JOE on CAM+IPTG

Positive Control plated on AMP plates

Transformation of BL21 involved:

-40uL of cells

-2 uL of plasmid

B)- We miniprepped LC 1853 and LC 1539 because we want better sequencing data.

-36 mL worth of cells were miniprepped for bot strains.

- 6 centrifuge worth of media (9 mL) per spin column
- Miniprep results:
 - LC 1853 DNA conc. --> 15.1 ng/uL ratio 1.89
 - LC 1539 DNA conc. --> 26.0 ng/uL ratio 1.82.
- We started new overnight cultures to redo miniprep
- We also started an ethanol precipitation of current samples. They are stored in -20 deg freezer

C) -We ran gels of YCP and JOE PCR reactions performed on 7/25/17

-two 30 mL gels were made.

Labeled test tubes:

7/26 LC 1539 miniprep

7/26 LC 1853 miniprep

Both are stored in the large 4 degree fridge in blue centrifuge rack on top of petri dishes

What to do tomorrow:

-Redo miniprep for LC 1853 & LC 1539 with TYler's help

-Do gel purification of gels that were run yesterday of YCP and JOE PCR reactions performed on 7/25/17.

-Continue DNA precipitation of today's miniprep samples