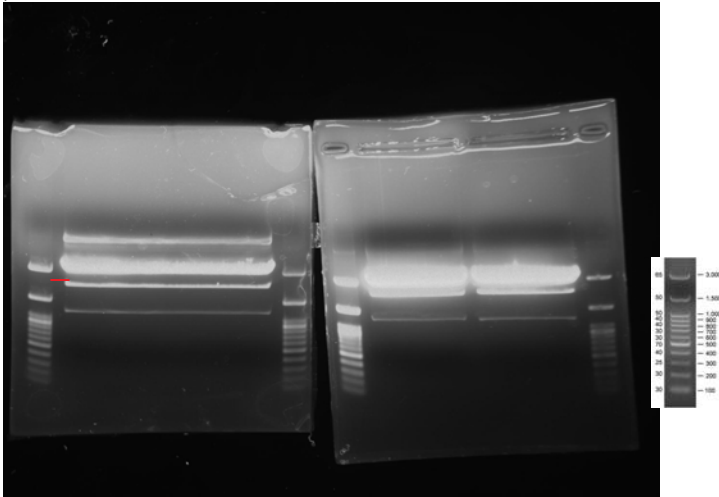


pSB1C3



Around 2k insert  
is good

Purified plasmid for pSB1C3 digested at EP and gel purification to separate out the vector and insert.

1. Did 3-1 for some colonies of RBS+ TermA. However RFP was heavily expressed.

The cl Exp: pTet+cl Gen+pcl +GFP Gen seems to be fine

Two colonies were picked for PCR confirmation.

Total expected base pair length should be around 1959.

Trying ligation with 10 uL total

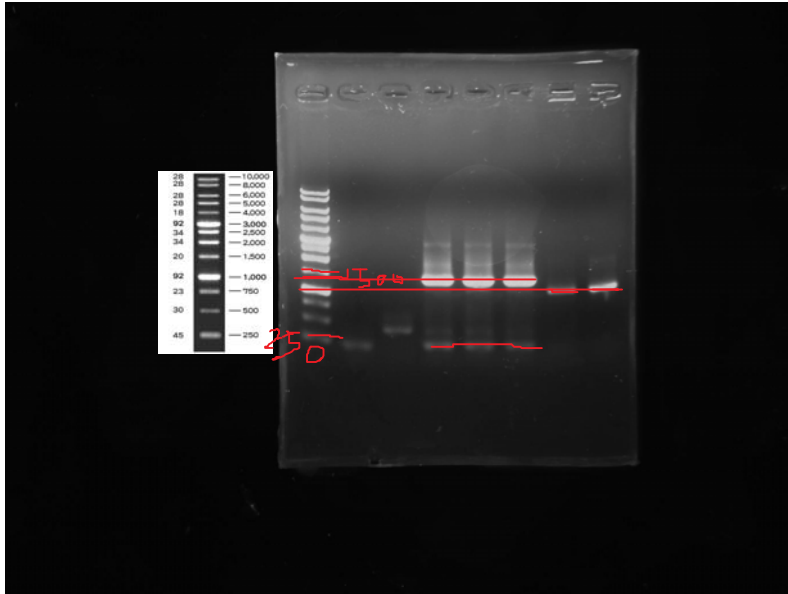
Tuesday, June 03, 2014  
1:30 PM

PCR Check:

- 1 - pLac+RBS+TermA
- 2 - pTet+RBS+TermA
- 3 - pCl+RBS+TermA

Gel(Left to Right w/ wells on top)

- RBS Term 1
- RBS Term 2
- PSB1C3 1
- PSB1C3 2
- PSB1C3 3
- CI EXP 1
- CI EXP 2



Edward did 3-1 on pLac+RBS+DT, pTet+RBS+DT, pCl+RBS+DT and ran gels for PCR from previous experiments.

Gel check

cl Exp showed that it was around 1k bp which is not right because it should be around 2kbp.

RBS+TermA is wrong because it should be around  $12+129=141$  and then you add the resistance which makes it around 400.

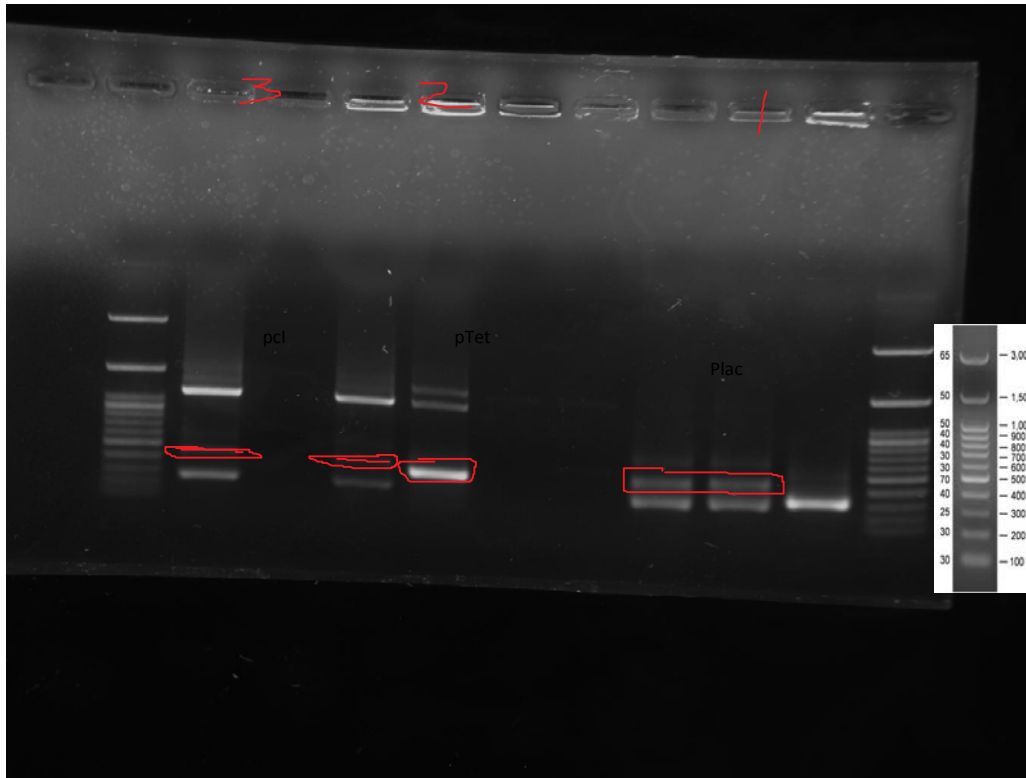
Can we store PCR checks in the -20 until the next day?

How do you do calculate how much to add to PCR checks in Gel?

For K resistance, it should be around 305 to add.

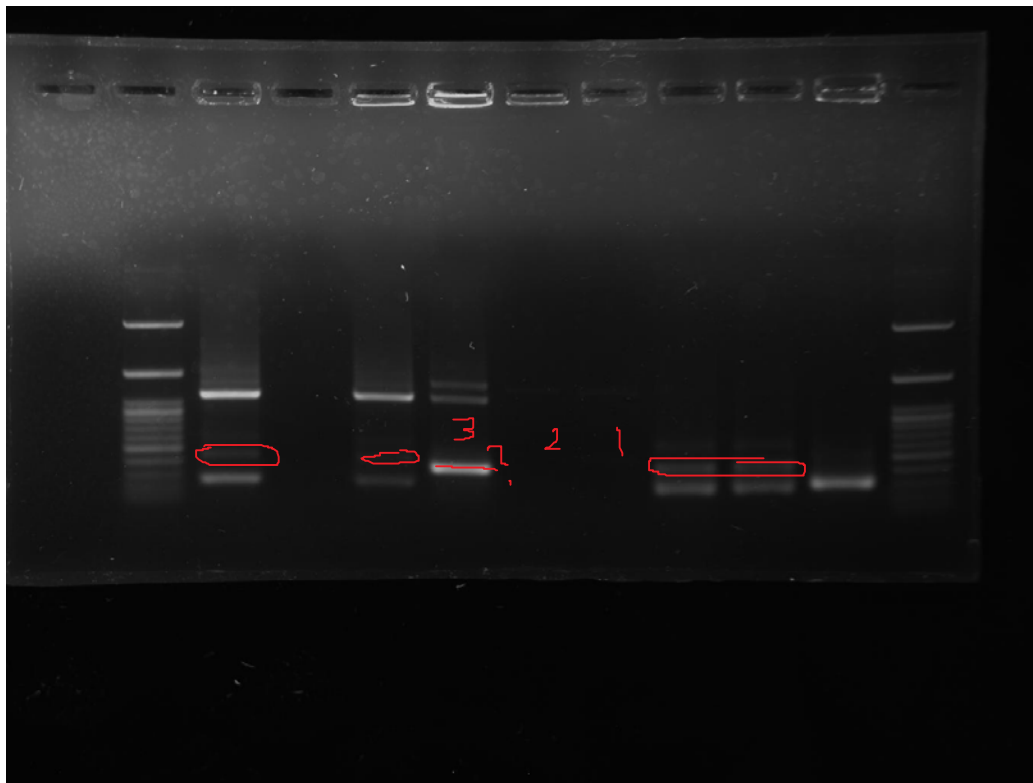
For C resistance, you add 314.

For A resistance, you add 238.



PCR Check:

- 1 - pLac+RBS+TermA
- 2 - pTet+RBS+TermA
- 3 - pCl+RBS+TermA



PCR check results.

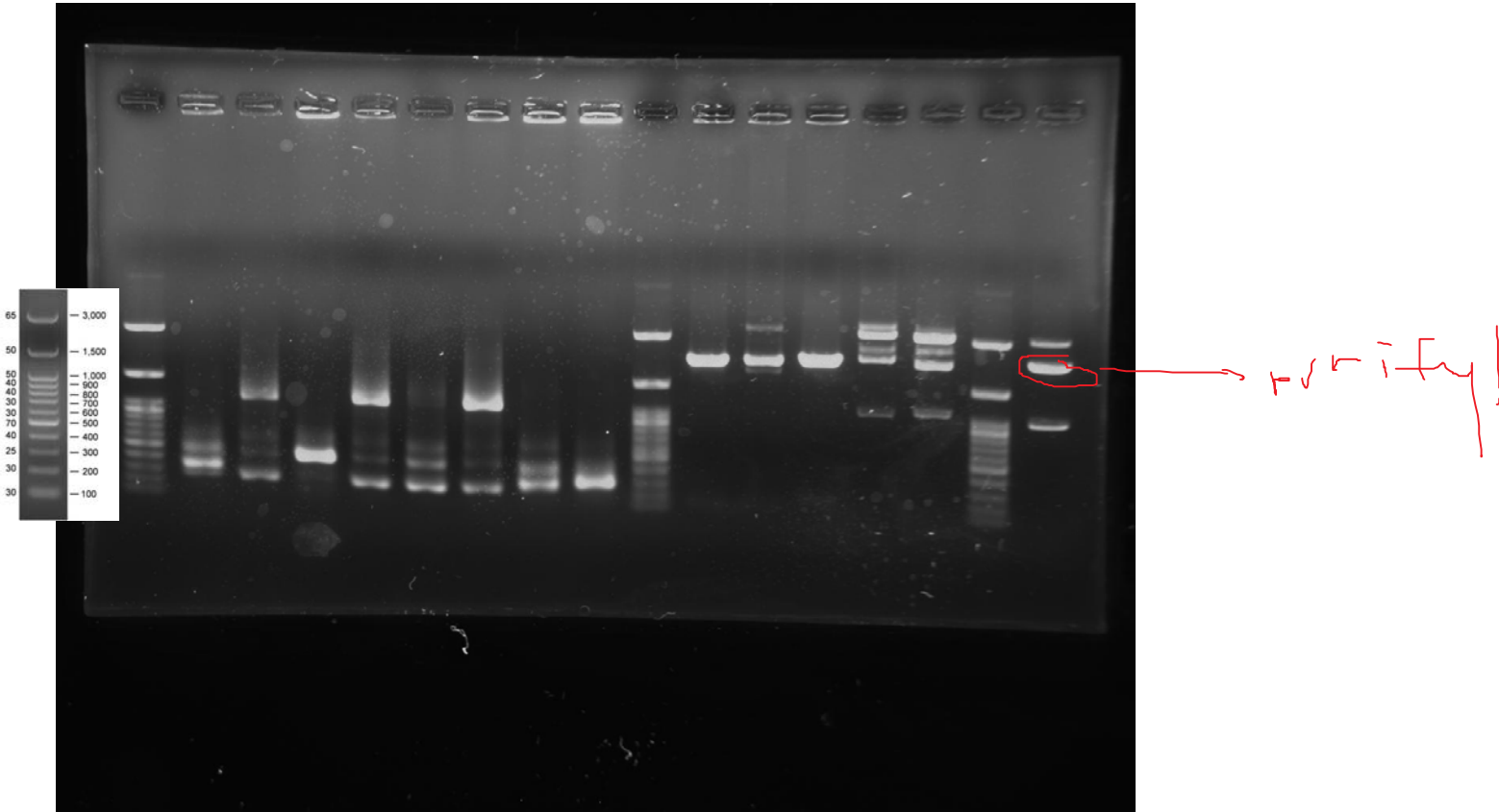
2. pTet+RBS+DT=195
1. pLac+RBS+DT=196
2. pCl+RBS+DT= 238

Ligations pLac+TetR+mRFP with pTet+GFP Gen

1. pCl Control

2. pTet Control.

Digestions: pLac+GFP Gen is being digested along with pSB1K3 (which needs to gel purified)



PCR for pLac+TetR Gen +mRFP +pTet+GFP Gen

Length:  $55+840+706+54+878=2,533$

1. Run gels on PCR results +some digested parts.

#### Order

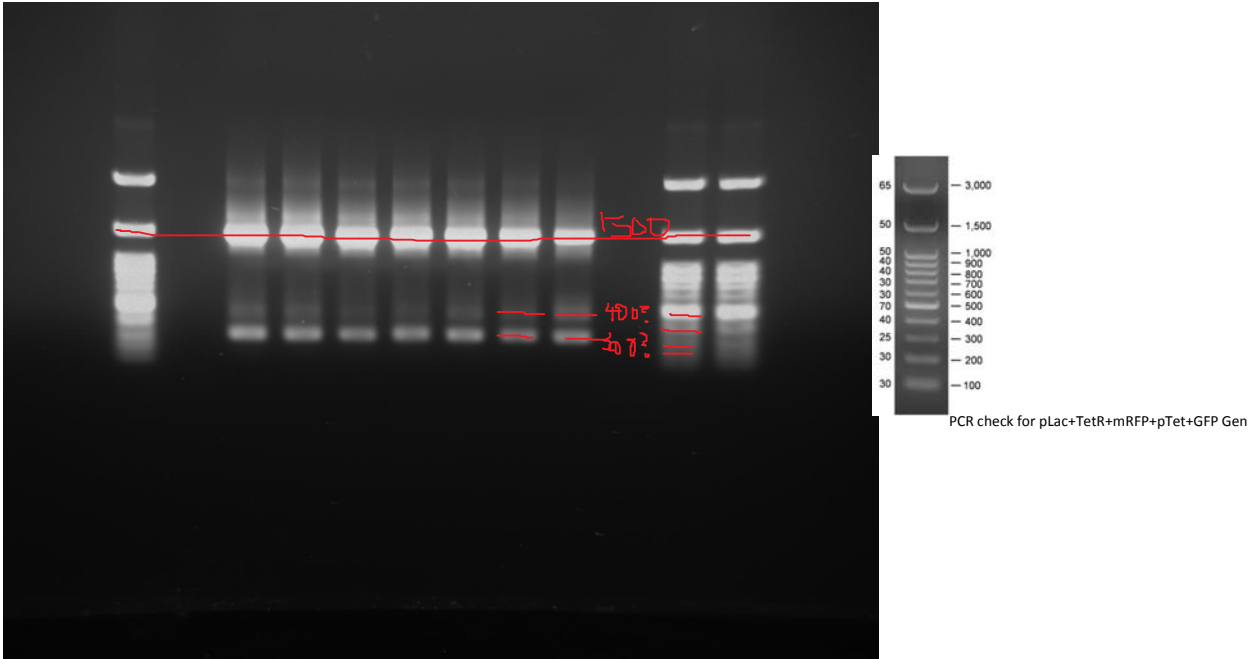
1. Ladder
2. pcl control 1
3. "" 2
4. RBS+DT 1
5. pTet Control 1
6. RDT 2
7. pTet Control 2
8. pLac 1
9. "" 2
10. Ladder
11. pTet ES
12. pLac ES
13. pcl ES
14. pTet+GFP 5/23 XP
15. pcl GFP 5/27 XP
16. pLac GFP 6/4 XP
17. Ladder
18. pSB1C3 6/4 EP

Need to run gels for RBS+DT to make sure that it becomes ligated to their respective promoters.

There were many bands, doesn't seem like a lot of the plasmids we have right...

2. Finished gel purification of pSB1K3 which were gel checked yesterday.
3. Purifying plasmids from above.

Rachel pLac+TetR+mRFP+pTet+GFP Gen  
Should be  $55+840+706+54+878=2,533$



Possible hypothesis:

Perhaps the whole construct did not ligate together properly and they were only composed of one specific part.

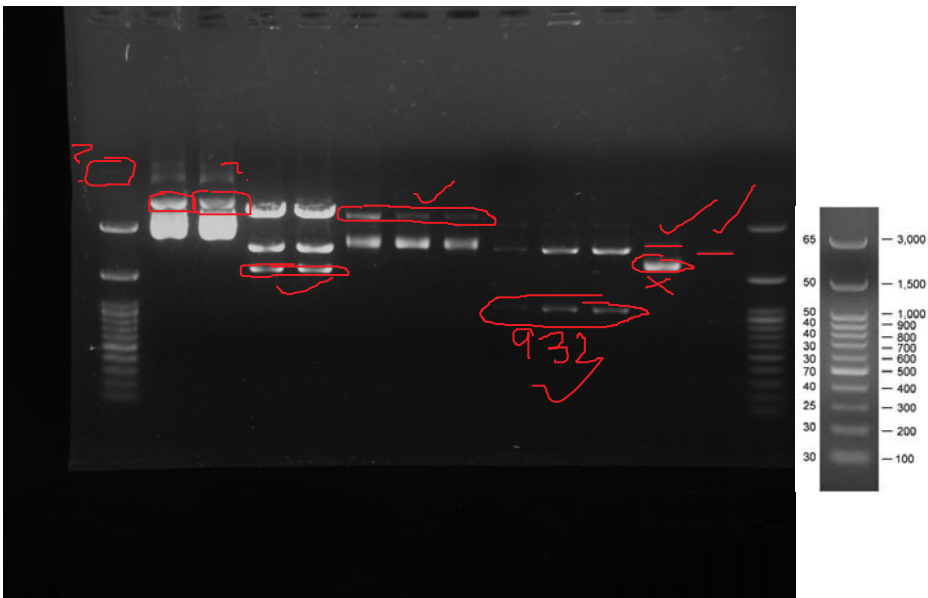
This means that the pLac+TetR+mRFP could be the only construct within the bacteria.

The expected length of this would then therefore be  $55+12+685+706+129=1,587$

This is Rohan's box, and the results showed that there are multiple bands for the plasmids that were used.

The order is the following from left to right.

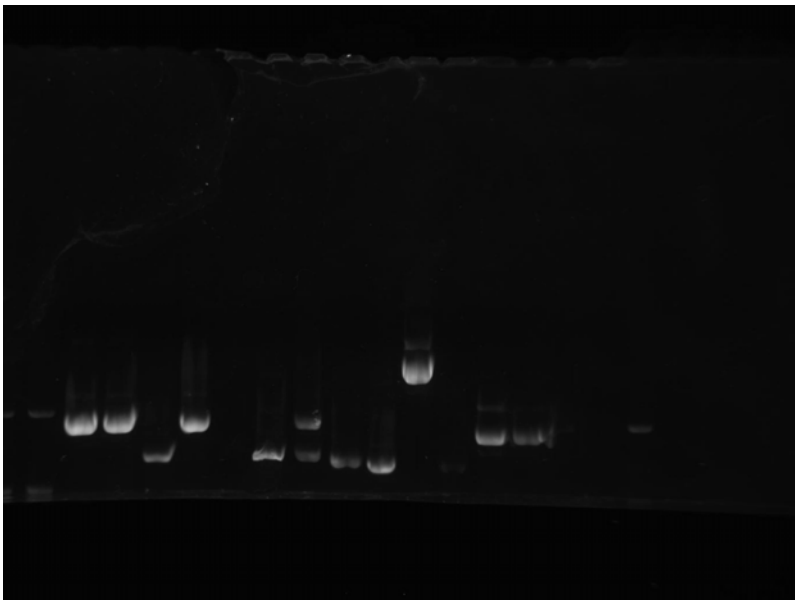
1. Ladder
2. K resistance pLac+TetR+mRFP #2 5/30
3. K resistance pLac+TetR+mRFP #3 5/30
4. pLac+TetR+mRFP cut at ES 2
5. pLac+TetR+mRFP cut at ES 3
6. pTet+GFP #1
7. pTet +GFP#2
8. pTet+GFP #3
9. pTet+GFP cut at XP #1
10. pTet+GFP cut at XP #2
11. pTet+GFP cut at XP #3
12. pSB1K3 2 5/27
13. pSB1C3 EP 6/4



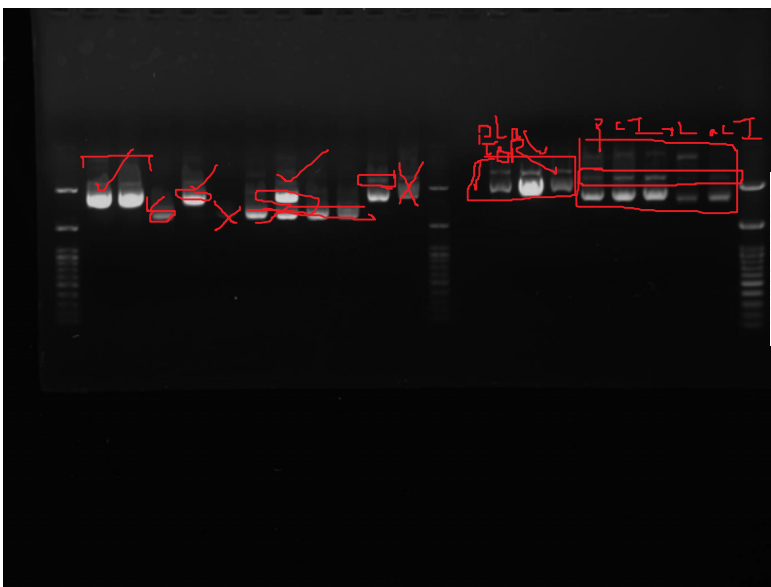
Questions:

Contamination of the ladder because there is sign of a plasmid greater than 3k bp.

pLac+TetR ES seems fine, but the presence of three bands means that the other bands were also cut, and if these were the plasmids that were in the original pLac+TetR+mRFP then doesn't that mean that it could possibly interfere with the plasmid that is actually inserted into the final construct?  
 In addition, the pTet+GFP plasmids are definitely in there however again, there are 2 other bands that are present in the digested part for pTET+GFP. This is very weird.  
 Finally, even the pSB1K3 backbone does not seem to have been purified correctly because there is an additional band at around 1.7k or something, which also means that we will need to run gel purification for the backbones.



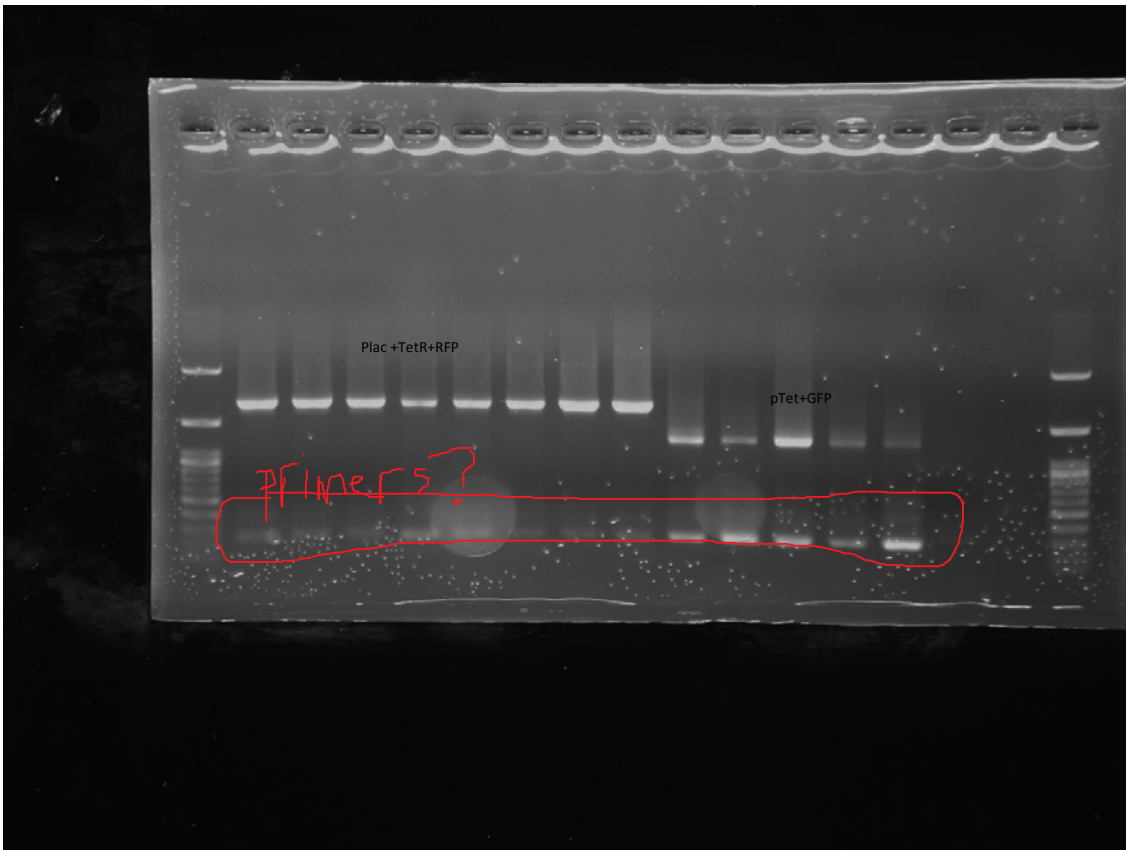
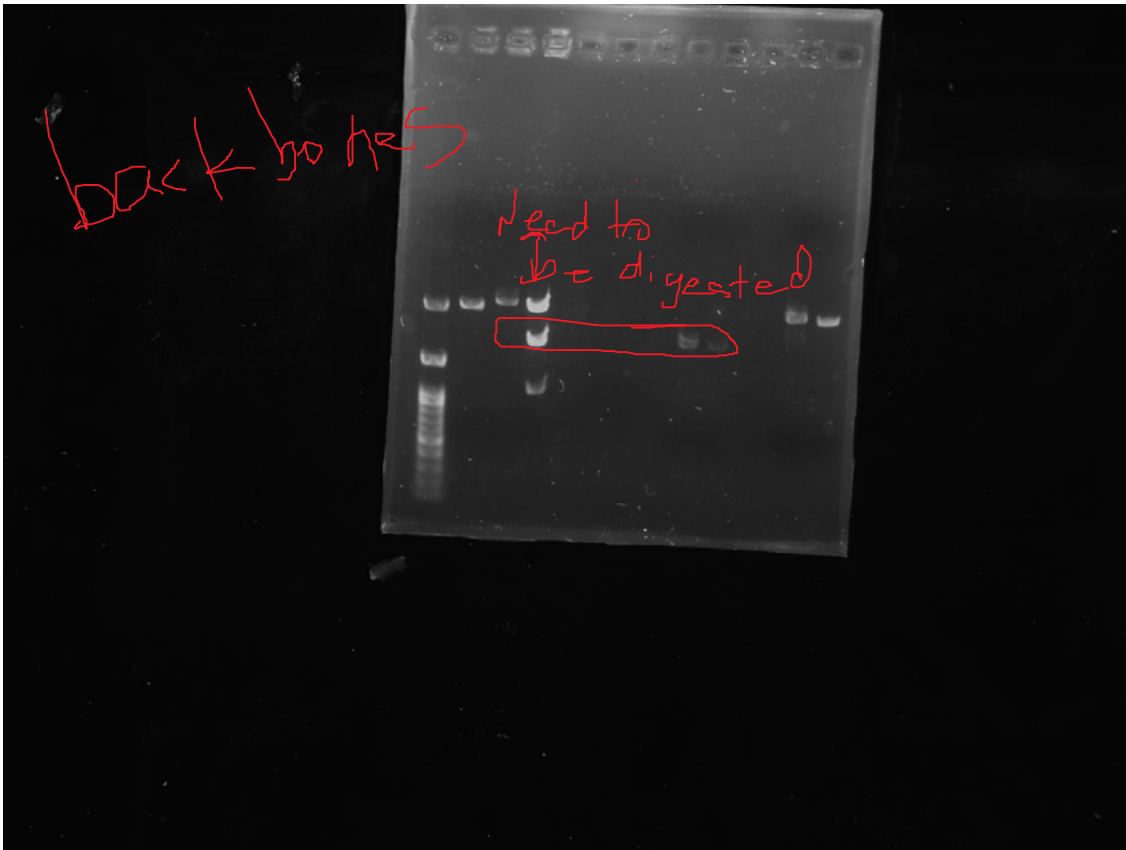
Ran off rerun on the bottom



Order from left to right:

Expected length

- |                          |                                |
|--------------------------|--------------------------------|
| 1. Ladder                | 1. Ladder                      |
| 2. pTet+RBS+DT 6/5 1 A   | 2. 129+54+12+2155=2350         |
| 3. pTet+RBS+DT 6/5 2 A   | 3. Ibid                        |
| 4. pLac+RBS+DT 1 6/5/9 A | 4. 141+97+2155=2393            |
| 5. pLac+RBS+DT 2 6/5 A   | 5. Ibid                        |
| 6. pLac+RBS+DT 1 6/5 A   | 6. 55+129+12+2155=2351         |
| 7. ac                    | 7. 141+2204=2345               |
| 8. RBS+DT 2 6/5 K        | 8. Ibid                        |
| 9. RBS+DT 3 6/5 K        | 9. Ibid                        |
| 10. RBS+DT 4 6/5 K       | 10. Ibid                       |
| 11. pLac+GFP Gen C       | 11. 97+878+2070=3045           |
| 12. pLac+GFP Gen K       | 12. 55+878+ ? 55+878+2204=3137 |
| 13. Ladder               | 13. Ladder                     |
| 14. Blank                | 14. Blank                      |
| 15. pLac+TetR 1 5/21 K   | 15. 97+930+2070=3097           |
| 16. pLac+TetR 2 5/21 K   | 16. Ibid                       |
| 17. pLac+TetR 3 5/21 K   | 17. Ibid                       |
| 18. pLac+LacI 1 C        | 18. 55+840+2204=3099           |
| 19. pLac+LacI 2 C        | 19. Ibid                       |
| 20. pLac+LacI 1 5/27 C   | 20. Ibid                       |
| 21. pLac+LacI 2 5/21 C   | 21. 97+930+2070=3097           |
| 22. pLac+LacI 1 5/27 C   | 22. Ibid                       |
| 23. Ladder               | 23. Ladder                     |





# 8

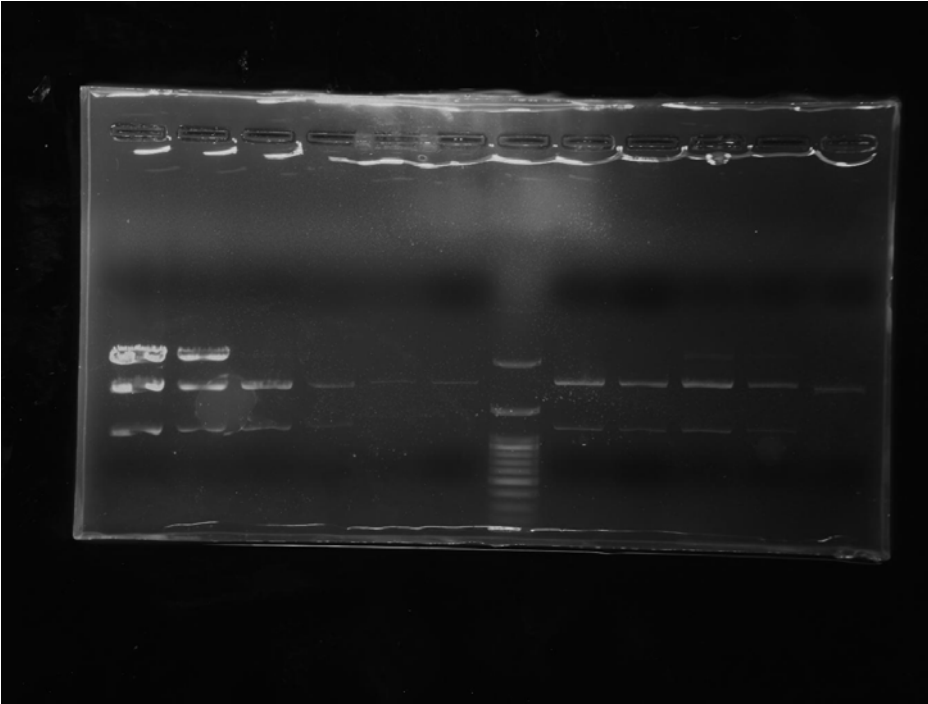
Friday, June 06, 2014

11:08 AM

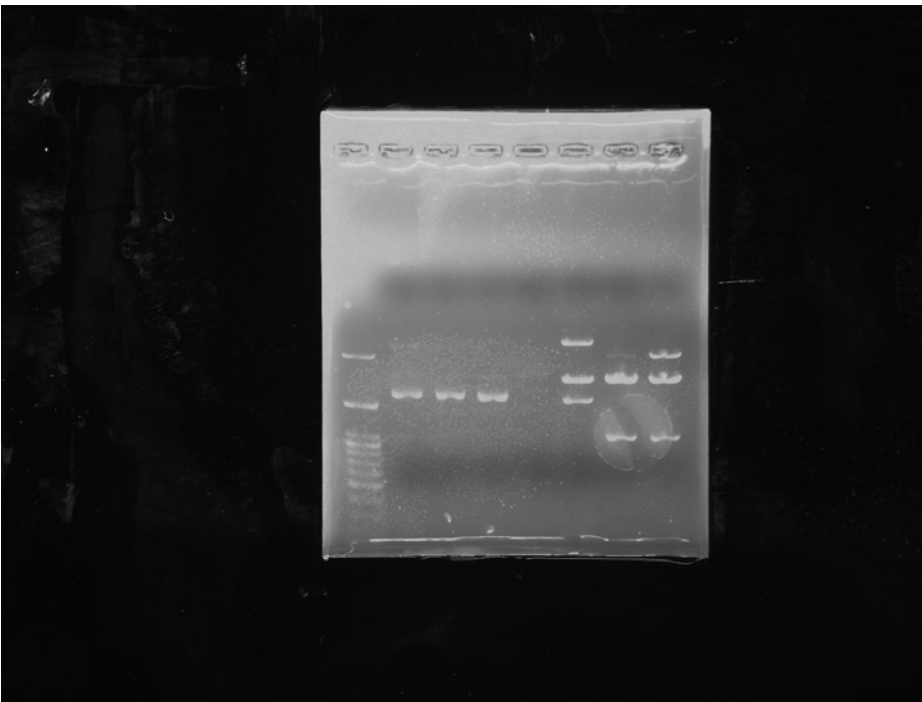
1. Purified plasmid for pLac+TetR+mRFP --> rachel
2. Did 2-1 for pTet+GFP Gen (PCR check liquid culture)
3. Rohan is trying out pLac+TetR+mRFP ligation to pTet +GFP Gen
4. Checked the resistance for pLac +GFP Gen (K resistance)

Friday, June 06, 2014  
5:38 PM

Purified plasmid for pLac+ TetR+ mRFP.  
Did 2-1 for pTet Gen (PCr



Backbone check:



1. Ladder
2. pLac4
3. pLac5
4. pLac1
5. pLac2
6. pLac+TetR/RFP Digested Part
7. pTet+GFP Gen 1 6/9 Digested Part
8. pTet+GFP Gen 2 6/9 Digested Part

Purify plasmid for 36 tubes --> Julie, Bethany, Dean, Rachel  
30 backbones and 6 tubes of pTet+GFP Gen

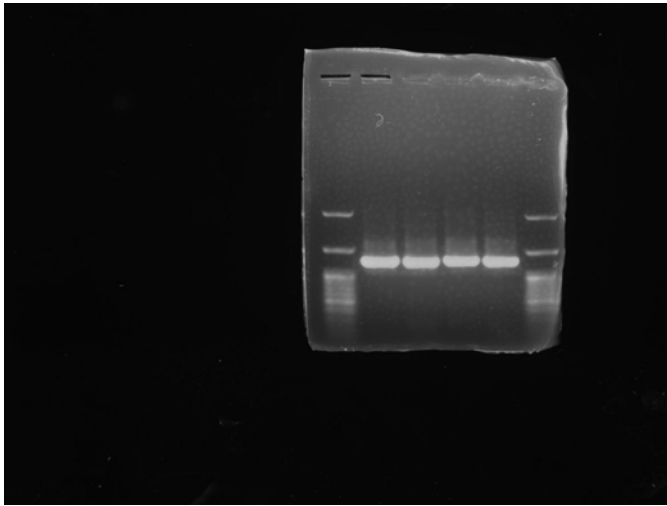
Need liquid culture at 4 for pTet x3. pLac x3.

Autoclave more centrifuge tubes --> Brian

Get primers we are running out!

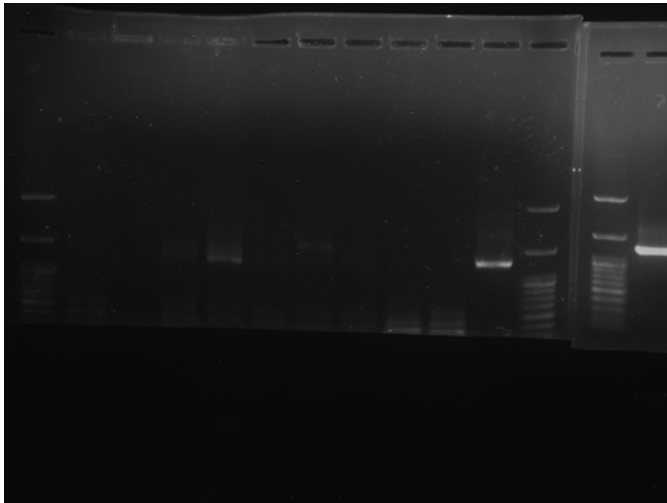
Need to digest pLac+GFP Gen at XP --> seems good, the transformations grew on K plates therefore the resistance is K!

Ran gels for PCR items from the 2-1. This is done to confirm if the liquid cultures are correct or not.



PCR CHECK FOR THE 14 LIQUID CULTURE TUBES STRAIGHT FROM NYMU.  
THIS STUFF SHOULD BE GOOD.

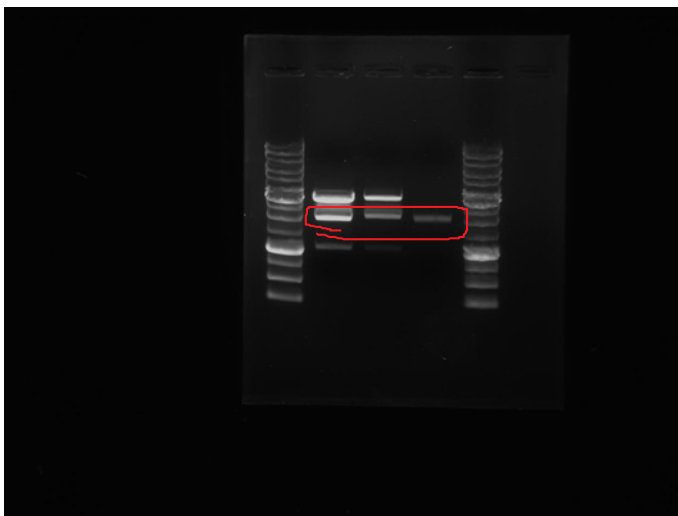
1. Ladder
2. pLac+TetR 1
3. pLac+TetR 2
4. pTet+GFP 1
5. pTet+GFP 2
6. Ladder



The gel ran off because the timer was set for 30 minutes. Next time the timer should be set at 15 minutes and check how far the gel has ran before we add an additional 5 minutes. Sometimes the gel runs faster than other times because of TAE concentration differences and also current differences. Therefore it is vital that only 15 minute is set for the first time, this ensures that the DNA does not run off the gel.

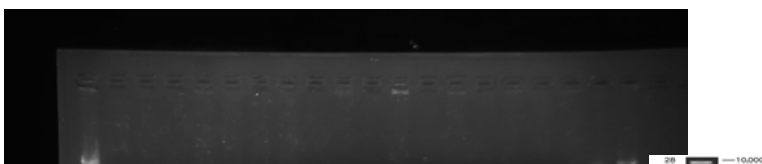
But the order is

1. Ladder
2. pTet+cl 1
3. pLac+GFP 1
4. pTet+cl 2
5. pcl+GFP2
6. pcl+LacI 1
7. pcl+LacI 2
8. RBS+DT 1
9. RBS+DT 2
10. pLac+GFP 2
11. Ladder

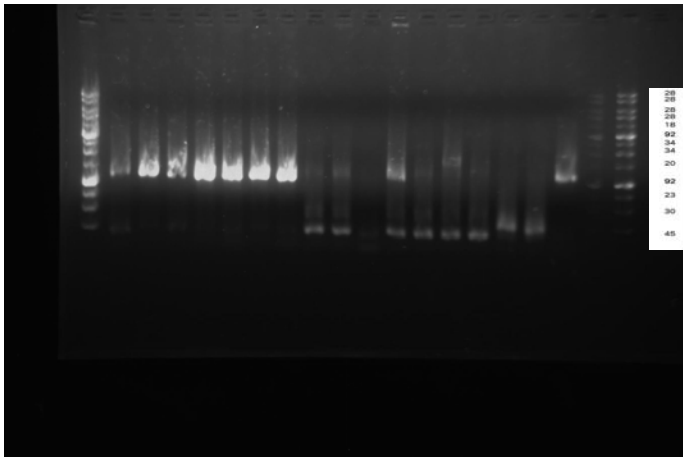


1. Ladder
2. pSB1C3
3. pSB1K3
4. pSB1A3
5. Ladder

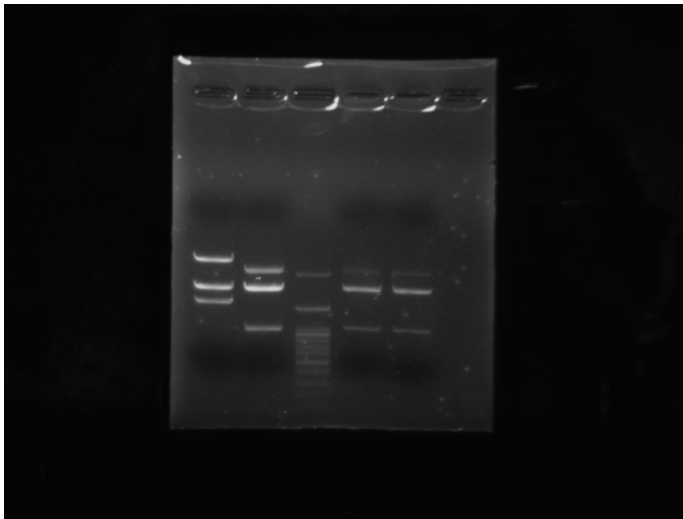
They were all cut and put in the UGP box for gel purification.



1. Ladder
2. pLac+GFP 2
3. pLac+GFP 3
4. pLac+GFP 1
5. pLac+TetR 1



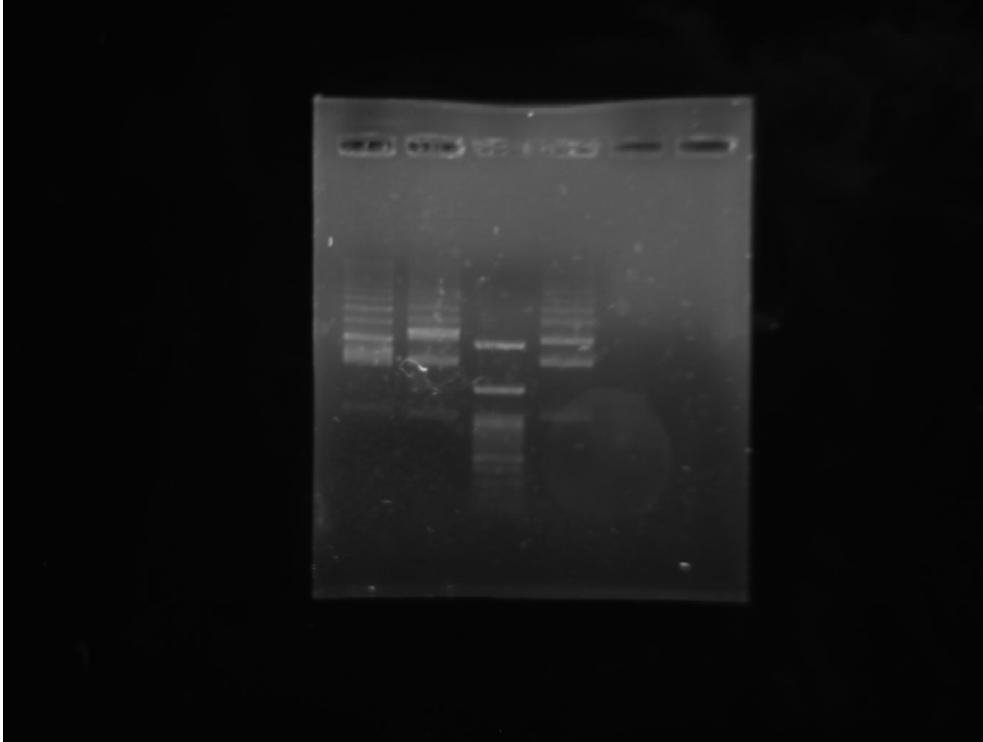
1. Ladder
2. pLac+GFP 2
3. pLac+GFP 3
4. pLac+GFP 1
5. pLac+TetR 1
6. pLac+GFP 1
7. pTet+GFP 2
8. pTet+cl 1
9. pTet+cl 2
10. pLac+RFP (GFP?) 1
11. pLac+GFP 1
12. pLac+GFP 2
13. pLac+LacI 1
14. pLac+LacI 2
15. RBS DT?
16. RBS DT?
17. pLac+GFP 2
18. Ladder
19. Ladder



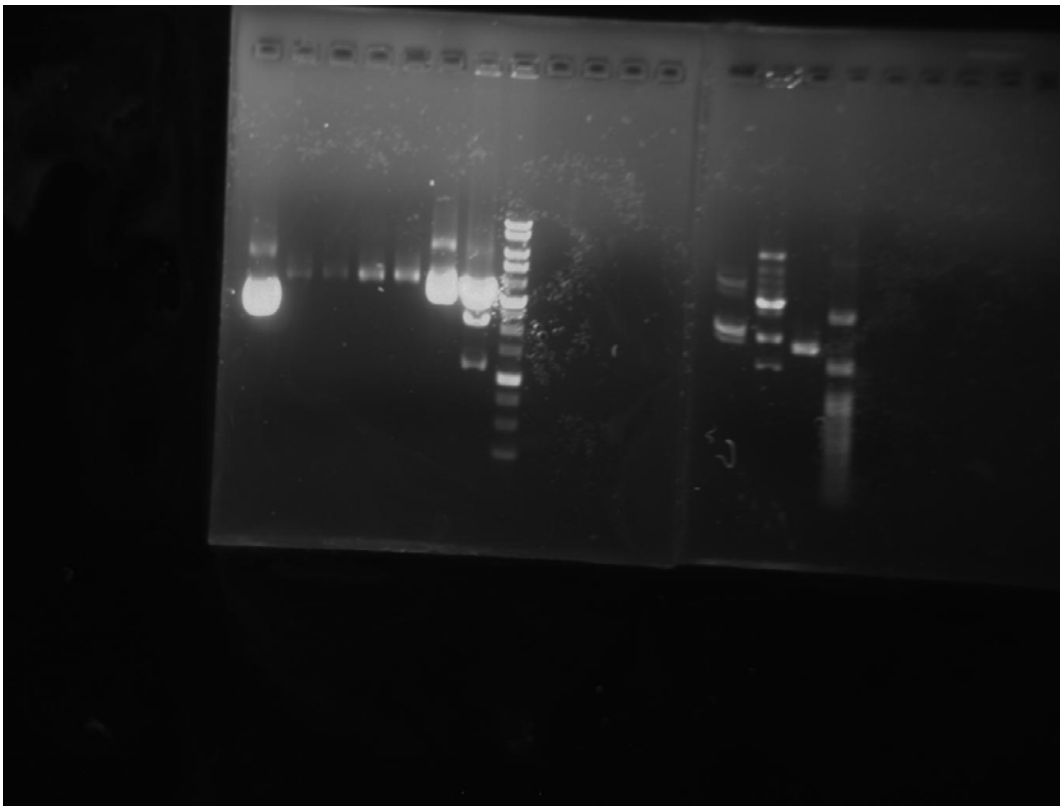
1. pLac+TetR/RFP ES
2. pTet+GFP XP
3. Ladder
4. pTet+GFP XP
5. pTet+GFP XP

Ultimately we ligated 3 of the experiments.  
Results: Morning didn't turn out good.

Reattempted the experimental constructs that shows repression of the promoters.  
Ran gel check for the ligated part. Seems to have multiple bands greater than 3k. Therefore one of the bands may be the correct band.



1. A pcl EXP ligation: pTet+cl Gen+pcl+GFP Gen=4144
2. A pLac EXP ligation: pcl+LacI Gen+pLac+GFP Gen=4493
3. Ladder
4. A pTet EXP ligation: pLac+TetR Gen+pTet+GFP Gen=3982



1. pcl @SP PDP C
2. LacI Gen XP XP C
3. pcl PP C
4. Ladder

- PCRed out pSurvivin+GFP and pSurvivin again
- Transported pSurvivin and pSurvivin+GFP both to pUC plasmids

12

Tuesday, June 10, 2014

7:37 PM

Purified Plasmids for all the promoters (pLac, pTet, pCl) at both ES and SP.

Gel Results:

We will finish ligation of this product with RBS+TermA with the promoters.

Everything that Phillip needs to get done:

1. Ligation of pLac, pTet, and pcl with RBS+TermA (already cut at XP). Do these on pSB1A3 backbone. The protocol for ligation is to create a solution with a total of 20uL inside a PCR tube. We insert 6 upstream (ES), 6 downstream (XP), and 5 backbone (PDP pSB1A3), then add 2 10x ligase buffer and 1 ligase.
2. After the ligations are done we will transform them using 3 uL of the ligated product and add 50 uL of competent cells.
3. Transformation of pLac+TetR+pTet+GFP and pLac+pcl
- 4.

pLac+TetR Gen	ES	pTet+GFP Gen	XP
	ES	pcl + GFP Gen	XP
pTet+cl Gen			
	ES	pLac + GFP Gen	XP
pcl+Lacl Gen			

5. Same ligation protol as above, the ES is upstream and the XP is downstream.

If the ligation for the promoters with RBS+TermA are successful (colonies grew) they should be picked (recommend at least 3 colonies) and done 3-1.

3-1 Protocol

Taq Mix RATIO (Mix all the solutions together in a centrifuge tube first and then transfer them into individual PCR tubes).

1. 8 ddH<sub>2</sub>O
2. 10 Taq 2x Mastermix
3. 2 Primers (they should be mix called VF2 and VR)

The antibiotic for the liquid cultures should correspond to the antibiotic resistance of the culture which is Ampicillin for the ligation of promoters with RBS+TermA

1. Add 4.5 mL of LB
2. Add 4.5 uL of Ampicillin (in the -20 box labeled antibiotics)

Streak

After 3-1 is done, wait for 16 hours.

Then do plasmid purification. Then digest the plasmid at ES.

Digestion Protocol

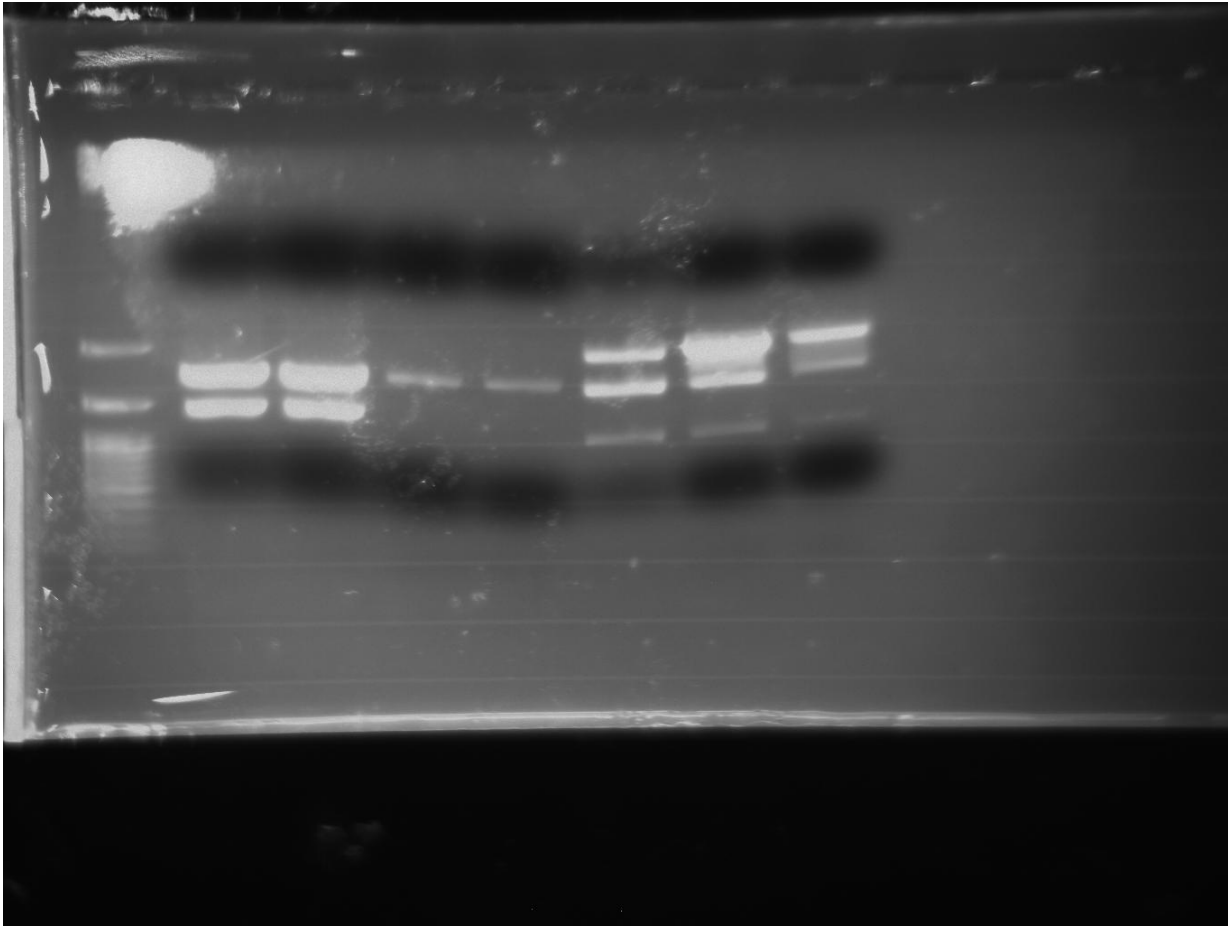
1. Add 43 of the plasmid
2. Add 5 10x 2.1 buffer
3. Add 1 of EcoR-H1 (or something like that)
4. Add 1 uL of SpeI

**IMPORTANT REMINDER: THE GREAT PART OF THE PIPETTER SHOULD NEVER TOUCH THE INSIDE OF THE CONTAINERS OF THE ENZYMES. ONLY THE AUTOCLAVED PORTION OF THE TIP SHOULD TOUCH.**

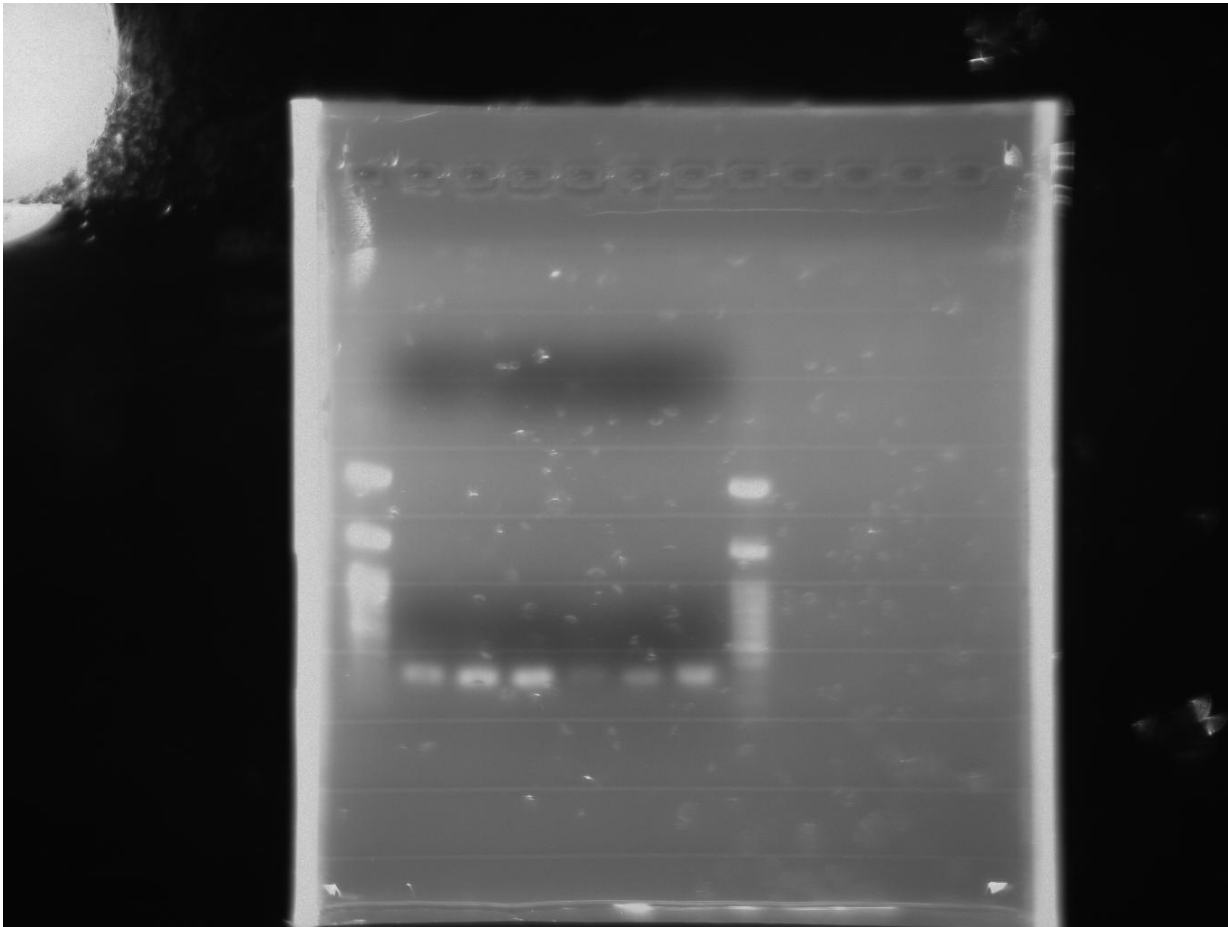
#### ROHAN

- Ligate the pLac, pcl, and pTet, which are cut at ES, to the Lacl Gen which is currently cut at XP, remember this is 3A assembly. Backbone needs to be cut at EP and then purified
  - Transform the construct
- 3-1 the transformation of pLac+Lacl gen, pcl+Lacl gen, pTet+Lacl gen
- Plasmid extract from the cultures
- Digest the three plasmids at XP, digest K1253000 at ES
- Ligate K1253000 with each of the three plasmids which have been digested, use a different backbone from the two plasmids being ligated.
- Testing time.





Ladder  
Laci gen xp c  
Laci gen xp c  
Psb1 c ep  
Psb1 c ep  
Psb1 a ep  
Psb1 a ep  
Psb1 k ep



Ladder  
Plac exp 1  
Plac exp 2  
Plac exp 3  
Plac exp 4  
Plac exp 5  
Ptet exp  
ladder

# 14

Friday, June 13, 2014

1:13 PM

Take out the liquid cultures from yesterday 3-1 for the experiments

2. Run gel check for the PCR tubes.

Primers concentration

100  $\mu$ M in stock solution after being hydrated.

10  $\mu$ M can be made by simply adding 9x the original volume of the solution (10x dilution)

So then this solution can be added to the Taq MasterMix with a total of 20  $\mu$ L. This means that the final concentration will fall under 0.5  $\mu$ M which is perfect for PCR.

Ran gels for the pTet Experiment and also pLac experiment PCR results from yesterday.

- Transfected pSurvivin+GFP into MRC-5 cells

# 15

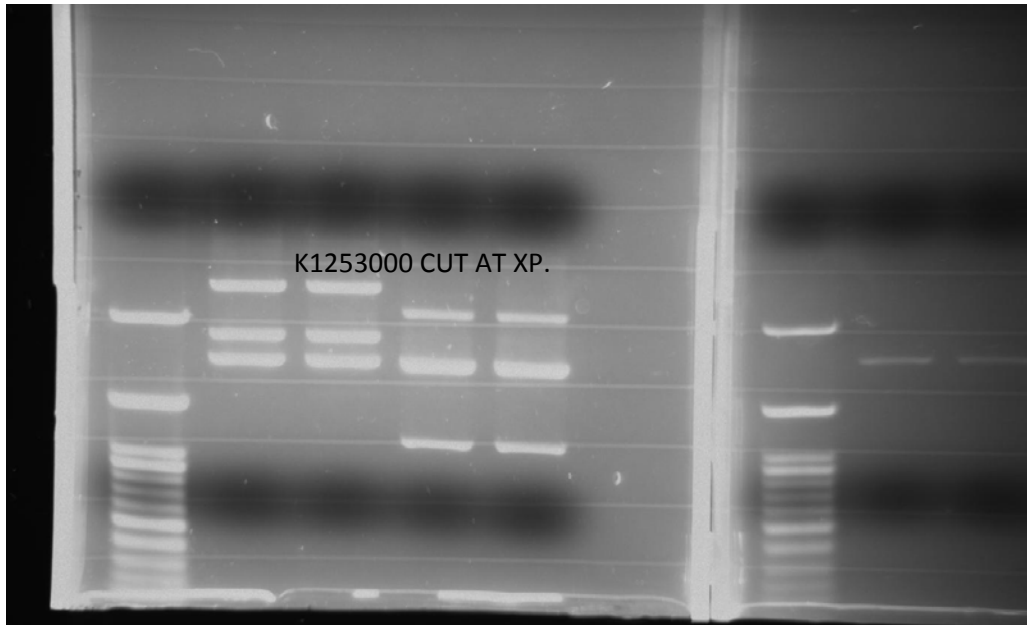
Friday, June 13, 2014

1:13 PM

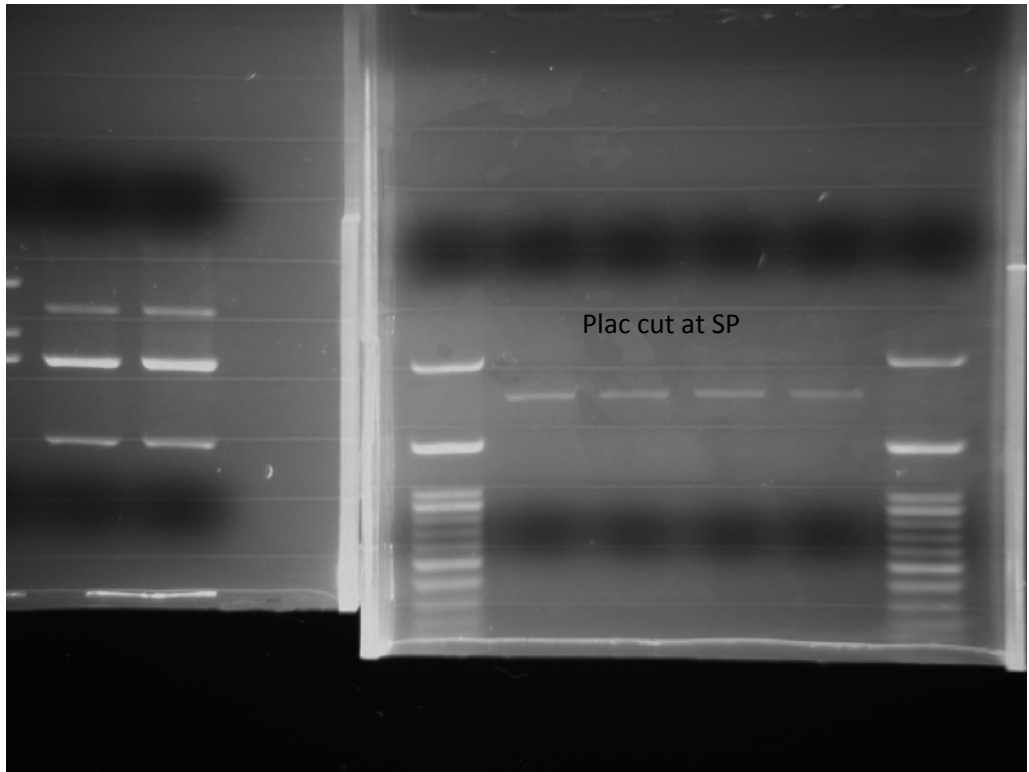
The plates for pCl+RBS+DT, pTet+RBS+DT, pLac+RBS+DT all grew.

Therefore I needed to 2-1 which includes the Taq mix and the liquid culture for plasmid purification tomorrow.

- Results of the transfection of pSurvivin+GFP into MRC-5 cells show that the cells do not glow green, as expected.



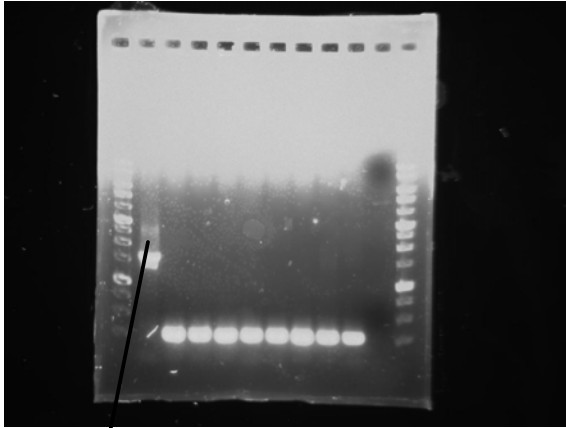
EXPECTED LENGTH:



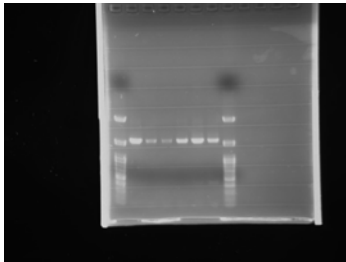
17

Friday, June 13, 2014

1:13 PM

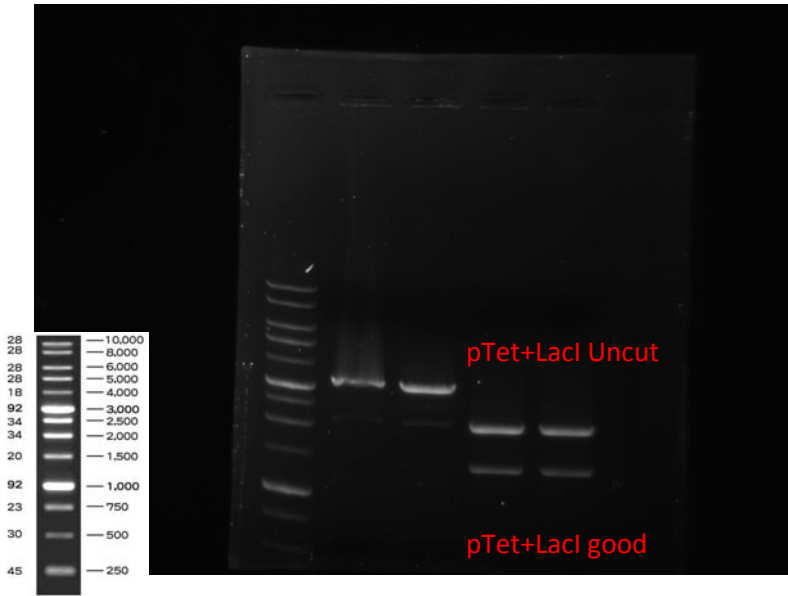


1. 1st Well pTET+LacI Correct
2. 2-9 Well pTet+LacI Wrong
3. 10 Well K1253000 SP PDP Correct



All pLac LacI gen are correct

54+

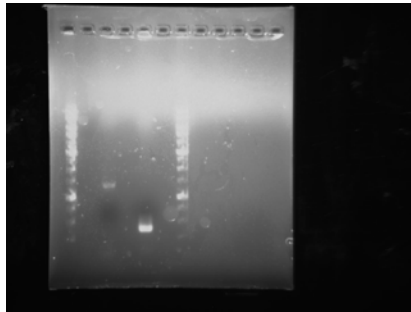


- Promoter testing of pTet, pCl, pLac
-

# 18

Wednesday, June 18, 2014

12:35 PM



1. 1kb Ladder
3. K1253000+pcl+LacI Gen #1 Wrong, should be 4200 bp but it is at 1400, which makes absolutely no sense because pcl +LacI PCR by itself should be 1600 bp at the minimum
6. K1253000+pcl+LacI Gen #2 Wrong, should also be at 4200 bp but it is also still wrong, looks like 400 bp. Makes no sense.

Digestion for pTet+LacI Gen overnight at XP. Hopefully, the DNA is completely cut. The protocol for digestion has now been changed to 25 minutes for incubation at 37 degrees.

The order for the gel is

1. Ladder
2. pTet+LacI Gen
3. pTet+LacI Gen
4. pTet+LacI Gen
5. Blank

The expected length was 1362, hopefully this is right?

Then the gel was purified. For higher concentration, all of the three wells were loaded into one single well.

The trial had already been purified but it was the larger band from yesterday.

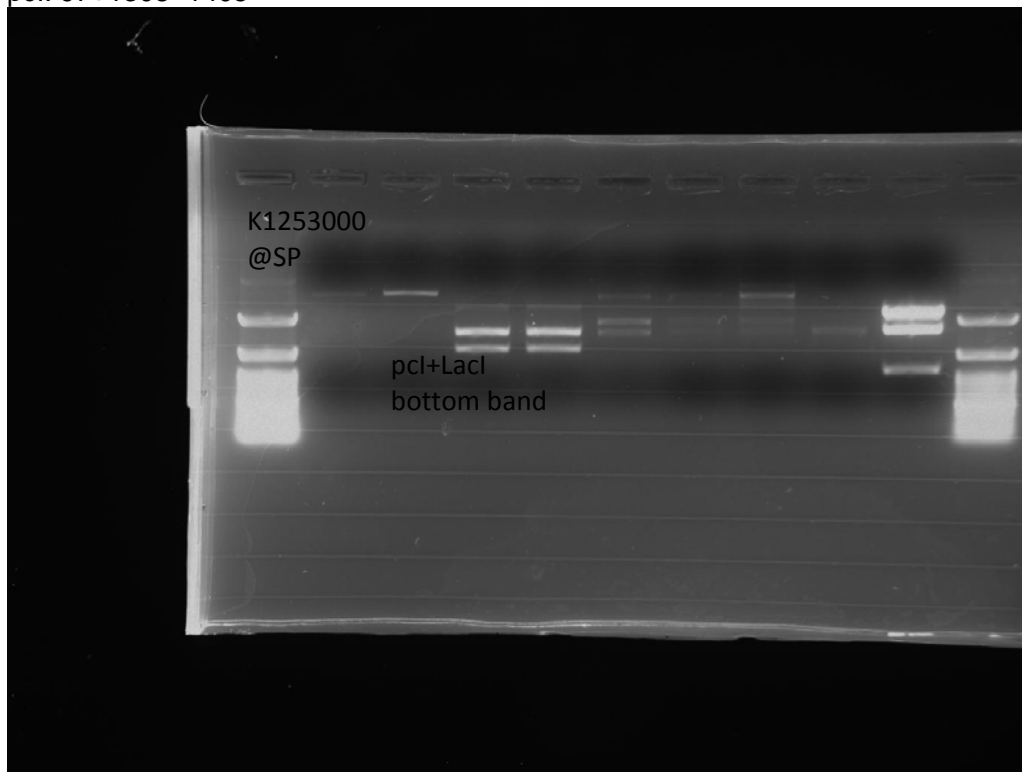
Redigest pTet+LacI

- IPTG and Tetracycline testing of the half oscillator and full oscillator plasmids

Wednesday, June 18, 2014

Find gel photos needed and labeled

- K1253000, picture of it fluorescing red on a plate, short discussion of why this occurs =2533  
UVP00317June152014.jpg  
Also picture below
- pTet, pLac, pcl + Lacl Gen
  - pTet:  $54+1308=1362$ 
    - First well of UVP00329June162014
  - pLac:  $55+1308=1363$ 
    - UVP00331June172014
  - pcl:  $97+1308=1405$



- pLac+TetR/RFP  
 $55+12+685+12+706+129=1,599$
- pLac, pTet, pcl + GFP - bands  
pLac:  $55+878=933$   
pTet:  $54+878=932$   
pcl:  $97+878=975$
- All the promoters + repressors used in the repression circuits - bands  
pTet experiment: 1827  
pcl experiment: 1989  
pLac experiment: 2338

Night

- K1253000 and pLac+Lacl, and K1253000 by itself
  - Compare red and green



- Red K1253000 with tetracycline, green K1253000+pLac+Lacl with IPTG
  - pSurvivin+GFP gel picture\
- Digested c-Myc, pSurvivin, and pSurvivin+GFP at EP and transported them to BioBrick plasmids

Saturday, June 14, 2014  
1:42 AM

- Purify all the promoter EXPs that are currently in the shaking incubator
- 3-1 all the promoter EXPs that are currently growing in the incubator
- Ligate the promoters to RBS+TermA, of which I have no clue of its whereabouts

**6/14**

### **Part A**

- **10:30 am start time stamp for BOTH the CULTURES AND PLATES of the [pLac, pTet, pcl] + GFP**
  - o Do this for 12 hours every hour, so end at 10:30pm
- **11:30 am time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **12:30 am time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **1:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **2:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **3:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **4:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **4:30 pm take plates of [pLac, pTet, pcl] + GFP plates and 3-1 all of them, but CONTINUE THE TIME STAMPING**
  - o All of these plates AND THE CULTURES we will continue with time stamps until 10:30 pm
  - o We will only plasmid purify the culture tubes the following morning to get the plasmids. **DON'T PLASMID PURIFY THE [pLac, pTet, pcl] + GFP OMG**
- **4:30 pm take c-Myc, pSurvivin, TK gene cultures out of the shaking incubator**
  - o Plasmid purify all of these
- **5:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **6:30 pm take [pLac, pTet, pcl] + [LacI Gen] plates out of the incubator, and 3-1 them**
  - o Do 6 tubes of culture for each one, even if there are not enough colonies, double up on one colony. We want ALL THE PLASMIDS WE CAN GET.
- **7:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**
- **8:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates**

- 9:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates
- 10:30 pm time stamp [pLac, pTet, pcl] + GFP culture and plates
  - o FINISH THE TIME STAMP HERE
  - o STORE THE PLATES IN THE FRIDGE IN AN ORGANIZED FASHION PLEASE.

## Part B

- 8:00 am take the EXP culture tubes out of the shaking incubator, and store them in the fridge, to be plasmid purified at 12pm
- 8:00 am take the EXP plates out of the incubator, and store them in the fridge, to be 3-1 at 6:00 pm
- 11:00 am take photos of all the EXP plates that are successful
- 11:00 am 3-1 all the successful EXP plates, let them grow in the incubator/shaking incubator for one hour
  - o Do at least 6 cultures and restreak repeats, since we will be timestamping these the next day.
- 12:00 pm take the cultures and restreaks of the EXP plates and store them in the fridge
- 10:30 am ligate pLac, pTet, pcl to [RBS+Term] and transform them
- 12 pm plasmid purify the EXP cultures in the tubes
- 6:30 pm take the cultures and restreaks of the EXP plates that were earlier put in the fridge, and put them in the incubator/shaking incubator to grow
- 2:30 am (not a typo) take the pLac, pTet, pcl to [RBS+Term] transformations out and 3-1 them

6/15

## PART A

- 8:30 am take out [pLac, pTet, pcl] + GFP restreak plates and cultures, and store them in the fridge
  - Plasmid purifications will be done at 12 pm
- 10:30 am [pLac, pTet, pcl] + [LacI Gen] plasmid purification of all 6 tubes
- 12:00 pm [pLac, pTet, pcl] + GFP cultures to do their plasmid purification

## - Part B

- 10:30 am time stamp [pLac, pTet, pcl] EXP plates and cultures

- **11:30 am time stamp [pLac, pTet, pci] EXP plates and cultures**
- **12:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **1:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **2:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **3:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **4:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **11:30 am time stamp [pLac, pTet, pci] EXP plates and cultures**
- **12:30 am time stamp [pLac, pTet, pci] EXP plates and cultures**
- **1:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **2:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **3:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**
- **4:30 pm time stamp [pLac, pTet, pci] EXP plates and cultures**

# Timestamps

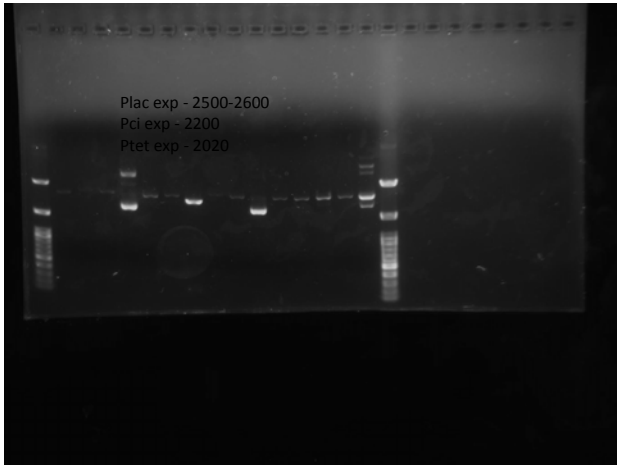
Saturday, June 14, 2014

10:57 AM

1. 11:00 am pLac+GFP 1-1 Plate
2. 11:00 am pLac+GFP 2-1 Culture
3. 11:00 am pTet+GFP 1-1 Plate
4. 11:00 am pTet+GFP 2-1 Culture
5. 11:00 am pcl+GFP 1-1 Plate
6. 11:00 am pcl+GFP 2-1 Culture
  
7. 11:00 am pcl+GFP 1-1 Plate
8. 11:00 am pcl+GFP 2-1 Culture
9. 11:00 am pcl+GFP 1-1 Plate
10. 11:00 am pcl+GFP 2-1 Culture
11. 11:00 am pcl+GFP 1-1 Plate
12. 11:00 am pcl+GFP 2-1 Culture
13. 11:00 am pcl+GFP 1-1 Plate
14. 11:00 am pcl+GFP 2-1 Culture
15. 11:00 am pcl+GFP 1-1 Plate
16. 11:00 am pcl+GFP 2-1 Culture
17. 11:00 am pcl+GFP 1-1 Plate
18. 11:00 am pcl+GFP 2-1 Culture

## Gel result photos

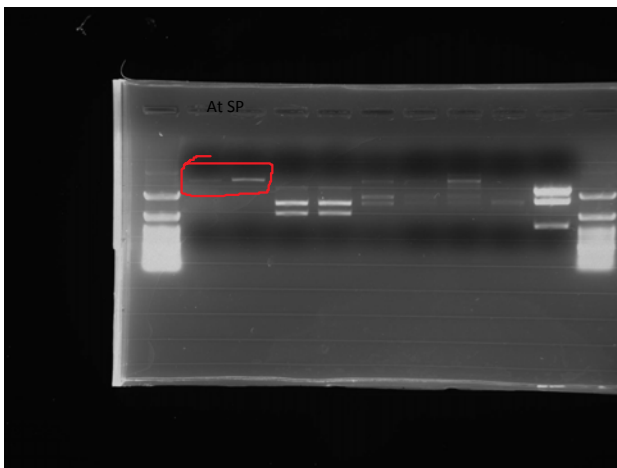
Thursday, June 19, 2014  
12:37 PM



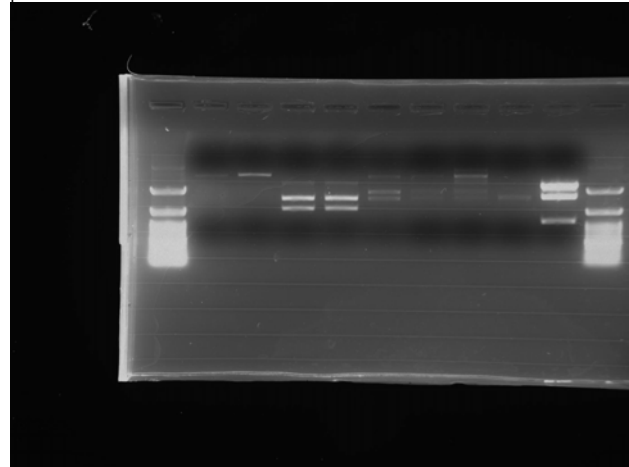
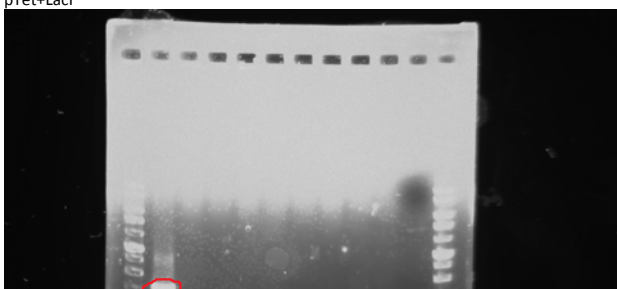
Find gel photos needed and labeled

- K1253000, picture of it fluorescing red on a plate, short discussion of why this occurs =2533  
UVP00317June152014.jpg  
Also picture below
- pTet, pLac, pcl + Lacl Gen  
pTet: 54+1308=1362
  - First well of UVP00329June162014
- pLac: 55+1308=1363
  - UVP00331June172014
- pcl: 97+1308=1405

K1253000 photos



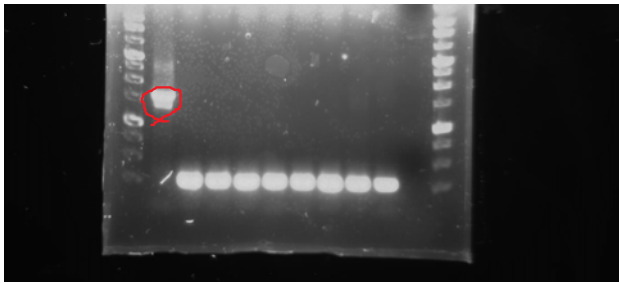
pTet+Lacl



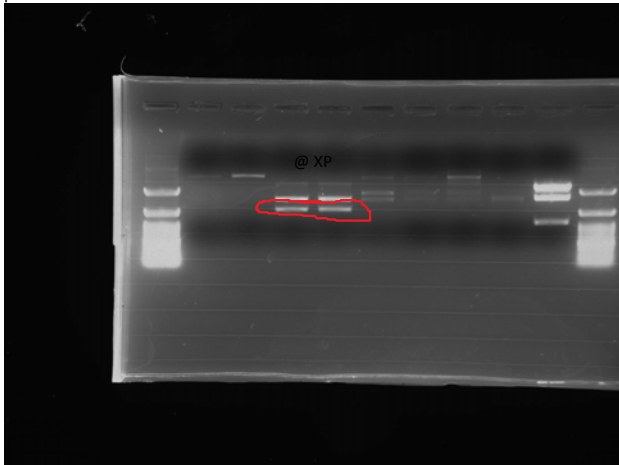
- pLac+TetR/RFP  
55+12+685+12+706+129=1,599
- pLac, pTet, pcl + GFP - bands  
pLac: 55+878=933  
pTet: 54+878=932  
pcl: 97+878=975
- All the promoters + repressors used in the repression circuits - bands  
pTet experiment: 1827  
pcl experiment: 1989  
pLac experiment: 2338

Night

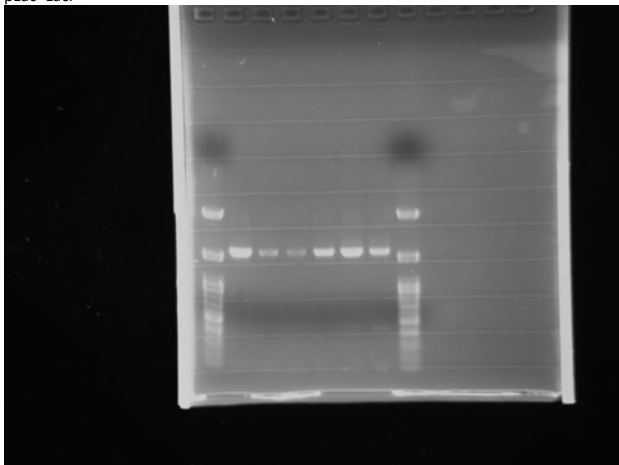
- K1253000 and pLac+Lacl, and K1253000 by itself
  - Compare red and green
  - Red K1253000 with tetracycline, green K1253000+pLac+Lacl with IPTG
- pSurvivin+GFP gel picture



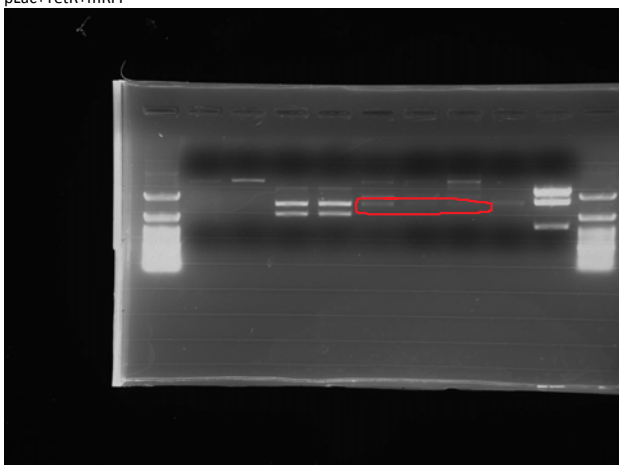
pcl+LacI



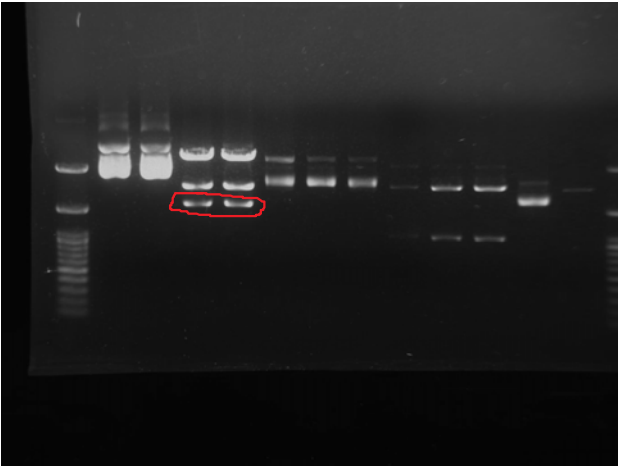
pLac+LacI



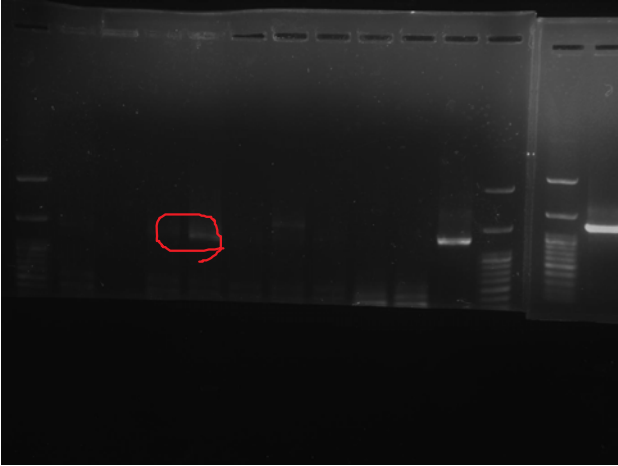
pLac+TetR+mRFP



pTet+GFP Gen



pcl+GFP Gen



pLac+GFP Gen

