

September 1:

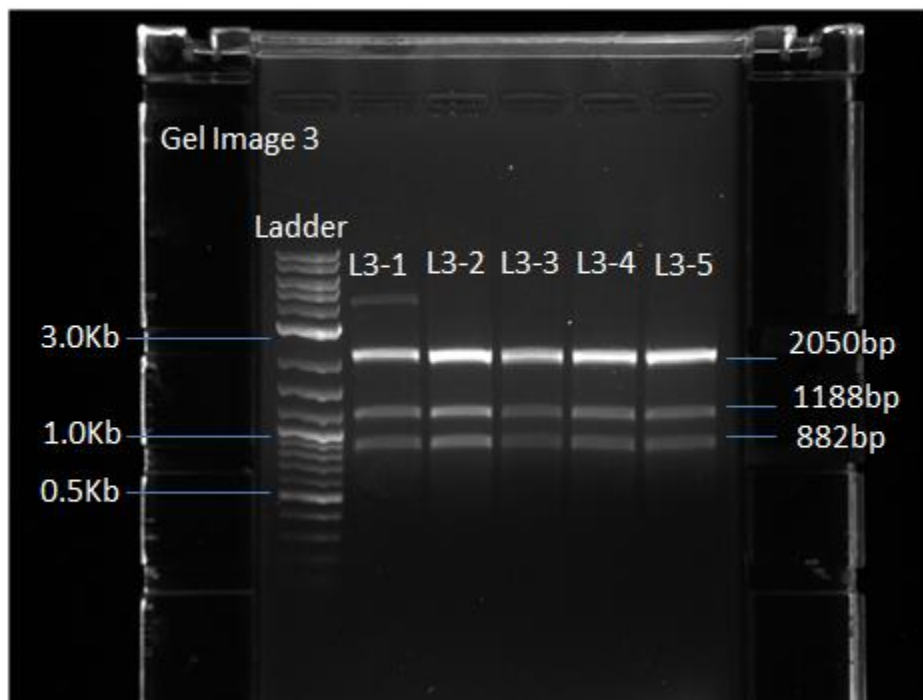
- Matt and Bethany observed growth on the plates and no growth on the transformation controls. There was a lot of growth on the ligation controls, however, so they chose five colonies for plate to inoculate.
- They labeled as following:
  - L3 – A2•R/G/T
  - L4 – A3•R/G/T
  - L1 – A2•Terminator
  - L2 – A3•Terminator

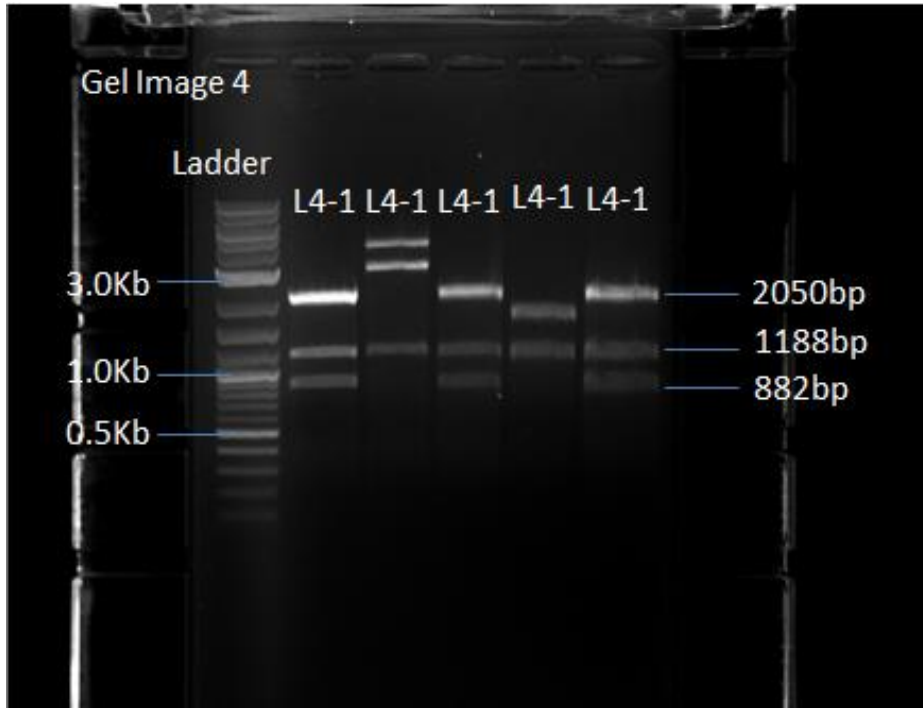
September 2:

- Bethany, Matt and Liz miniprepped the cultures from the previous day and got good nanodrop results.

September 3:

- Bethany, Matt and Liz ran a confirmatory digest **and gels prior sequencing**





September 4:

- Bethany sent in L3 and L4 for sequencing

September 5:

- Liz transformed A2 and A3 to get more DNA.

September 6:

- Liz regrew A2 and A3 and took 2 colonies from each plate to inoculate.

September 7:

- Bethany did a miniprep of A2 and A3, with nanodrop results between 115-200 ng/μl

September 10:

- We submitted several BioBricks to iGEM:
  - BBa\_B0034 + BBa\_E0040 (RBS•GFP)
    - We have two sequenced samples, which were minipreped on August 11<sup>th</sup> and sequenced August 13<sup>th</sup>
  - BBa\_B0034 + BBa\_E0040 + BBa\_B0015 (RBS•GFP•Terminator)
    - We have two sequenced samples, which were minipreped on August 11<sup>th</sup> and sequenced on August 13<sup>th</sup>
  - FtsZ

- We have two sequenced samples, which were minipreped on August 29<sup>th</sup> and sequenced on August 30<sup>th</sup>
- BBa\_K215000 + FtsZ
  - We have two sequenced samples, which were minipreped on August 29<sup>th</sup> and sequenced on August 30<sup>th</sup>
- BBa\_K215000 + FtsZ + BBa\_B0034 + BBa\_E0040 + BBa\_B0015
  - We have four sequenced samples which were minipreped on September 2<sup>nd</sup> and sequenced on September 4<sup>th</sup>

September 11:

- Matt and Chris L transformed samples of the full construct including FtsZ and GFP in order to test and characterize minicell transformation with IPTG induction
- Liz grew up cultures of L1, L2 and L3 from glycerol stocks.

September 13:

- For BioBrick submission, Shaun made the following pages on 9/12/13:
  - BBa\_K1011000 – FtsZ on psB1C3
  - BBa\_S05211 – BBa\_B0034 (RBS) + BBa\_E0040 (GFP)
  - BBa\_S05212 – BBa\_S05211 + B0015
  - BBa\_S05213 – BBa\_K215000 + BBa\_K1011000
  - BBa\_K1011001 – Promoter•RBS•FtsZ•RBS•GFP•Terminator
- Matt and Bethany minipreped DNA samples that were grown up to replenish stocks

September 17:

- Richard is preparing work for HA tagging FtsZ
  - Forward FtsZ HA tag digested with EcoRI and XbaI
  - Reverse FtsZ HA tag digested with SpeI and PstI
  - Clean up: Put 20 µl of digest product in Qiagen spin column and centrifuged for 1 min @ 13,000 rpm. Dumped out excess supernatant. Added 10 µl EB buffer, let sit for 5 minutes and spun for 1 min at 13,000 rpm. Added 10 µl EB buffer, let sit for 5 minutes and spun for 1 min at 13,000 rpm again.

September 21:

- Richard ran PCR with both forward and reverse primers for HA tagging of FtsZ.

September 22:

- Greg and Richard did PCR clean up.

