



COLOR CODING KEY

Characterization

Construct

Data Collection/Analysis

Improvement of Biobrick

Plant-Care

Plasmid

Plasmid/Construct Design

Preparatory Work

Sunday June 30th

- Autoclaved 3 bottles of 500 ml agar
- Plated main project plates, PreLim plates, and controls

Monday July 1st

- Got agrobacterium and TMV from Dr. Tran
- Got rifamycin (resistance antibiotic for agrobacterium strain)
- Plated 15 rifamycin plates
- Liquid inoculation of AMP plates (PreLim plasmids)
- Organized 4 degree fridge
- Realized incubator doesn't accurately display temperature, put thermometer inside
- Made more 70% ethanol

Tuesday July 2nd

- Learned how to inoculate leaf tissue with TMV
- Best to use plants that are about 3 weeks old
- Streaked agrobacterium
- Troubleshooted gel ladders, no issue with them

Wednesday July 3rd

- Liquid inoculations of AMP plates

- Calculated reagents for PCR
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Thursday July 4th

- Miniprepped AMP liquid inoculations
 - Ran gel with and without RNase for miniprep DNA
 - Liquid inoculated PreLim plates
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Friday July 5th

- Miniprepped liquid inoculations from previous day
 - No gel because there were no curves on the nanodrop
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Saturday July 6th

- Took notes about how to do PCR
 - Researched work arounds for gel extraction
 - Resuspended DNA from IDT
 - Ran PCR in the thermocycler
 - Liquid inoculation of KAN plates
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