COLOR CODING KEY

Characterization
Construct
Data Collection/Analysis
Improvement of Biobrick
Plant-Care
Plasmid
Plasmid/Construct Design
Preparatory Work

Sunday June 23rd

- Streaked 14 plates with bacteria that contained PreLim plasmid (Amp resistance)
- Incubated plates at 37 C for overnight
- Poured Agar Plates, added Agar to regular LB broth, mixed (note it was a little clumpy and took a while to dissolve)
- Sterilized bench, water bath, cool, added Kanamycin
- Did not cool and harden (probably because we did not autoclave after adding the agar)
- Put into hot bath to cool to 50-60 degrees
- Added Kanamycin
- Poured Plates and let them solidify
- Streaked 1 plate with bacteria that contained main project plasmid (Kan resistance)
- Incubated at 37C for overnight
- Incubated empty plate as negative control

Monday June 24th

- Made 250 ml of agar liquid

Tuesday June 25th

- Streaked 8 plated with PreLim plasmid, and 2 control plates

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Wednesday June 26th

- Created a detailed Outline for Characterization with Constitutive Promoter (Bronze - BBa_K541503)
    - GFP (experiment 1)
    - Bradford Assay (experiment 2)
- Liquid inoculation of PreLim plasmids
- Plated KAN plates (main project)

Thursday June 27th

- Potted plants that were grown on 6/7
- Pruned and removed the buds of the plants
- Miniprepped PreLim plasmid
    - Low concentration, but good 260/280 numbers
    - Changed protocol to fix this issue (water instead of elution buffer, 6 ul instead of 30 ul, no dilution)
- Liquid inoculation of KAN plates
- Made 1.2% agarose gel

Friday June 28th

- Miniprepped DNA for PreLim backbone
    - Low 260/230 numbers, due to not doing optional carbohydrate and phenol filtering step
- Problems with samples floating out of the gel during gel electrophoresis

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Saturday June 29th
