Running and imaging a Gel:

Materials:

-Results of PCR run (thawed if previously frozen)

-Blue dye for running

-DNA ladder

-Poured gel and gel box

1. Create dyed samples for each different PCR sample by combining 10 uL of sample with 2 uL of blue dye. Pipet up and down to mix, about 10x for each sample.

2. Prepare gel by cutting to the correct amount of lanes using a razor blade. You need enough lanes to have at least ½ a lane on each end of the gel, 1 lane for each sample, and 1 lane for the ladder.

3. Place gel such that it is lined up parallel to the edge of the box and near the left side (negative side) of the box.

4. Load first lane of the gel with 8 uL of DNA ladder.

5. Load remaining lanes with all 12 uL of dyed sample.

6. Place lid onto box and plug negative and positive terminals into the correct ports.

7. Check to make sure you’re running for 30 minutes, then press “Start” to begin run.