

**Saturday 9/12/09**

*Miniprep of Pu GFP leu landing pad transformation colonies*

At 7:00 PM, 5 mL LB with 35 ug/mL CHL cultures were started for the *E. coli* DH5 $\alpha$  colonies with 3 colonies pick from each of the 1:1, 1:3 and 1:6 transformation plates.

## **Results**

*Transformation of Pu GFP leu landing pad ligation*

The *P. putida* mt-2 transformation was not successful because the negative control grew out. This shows this strain has CHL resistance at 200 ug/mL and further antibiotic testing needs to be done.

For the *E. coli* DH5 $\alpha$  the digested leu landing pad control grew out as well as all of the ligation mixes. This means multiple colonies need to be screened from each plate to determine the plasmids that only contain the backbone from the plasmids that have the ligated part.