

6/12/2015

**Aims for today:**

1. Miniprep pACBB-eGFP
2. Glycerol stock of pACBB-eGFP
3. Back dilute/ induce lux box→ Back dilute @ 12:57 PM
4. Colony PCR lux box→ run on a gel
5. Glycerol stock lux box
6. Miniprep pDawn
7. Glycerol stock of pDawn
8. 3 hr digest of pDawn + lacZ
9. Overnight ligation of pDawn + lacZ
10. Run colony PCR on a gel for pDawn + lacZ ligation product.

**Accomplishments:**

1. pCR lacZ
2. Miniprep pACBB-eGFP
3. Glycerol stock of pACBB-eGFP
4. Colony PCR lux box→ run on a gel
5. Miniprep pDawn
6. Glycerol stock of pDawn
7. Run colony PCR on a gel for pDawn + lacZ ligation product.

**Aims for Monday:**

1. Induce lux box
2. Glycerol stock lux box
3. 3 hr digest of pDawn + lacZ (didn't do before because needed more lacZ)
4. Overnight ligation of pDawn + lacZ
5. Clone lux box into pACBB-eGFP

**Questions:**

1. Does completing PCR on LacZ as a positive control using the Colony PCR Protocol (a.k.a using Taq instead of Phusion) have a significant effect on the results of the PCR? [If not clear, this question is better explained in person]
2. Should we purchase the enzymes and dntps? How long after the expiration date are the enzymes good for? Should we get rid of enzymes/ dntps that are months/years past their expiration date?
3. What happens if you use a buffer for restriction digest that is not the optimal one?