MID6: Lipofection & Paper Discussion

10/1/13

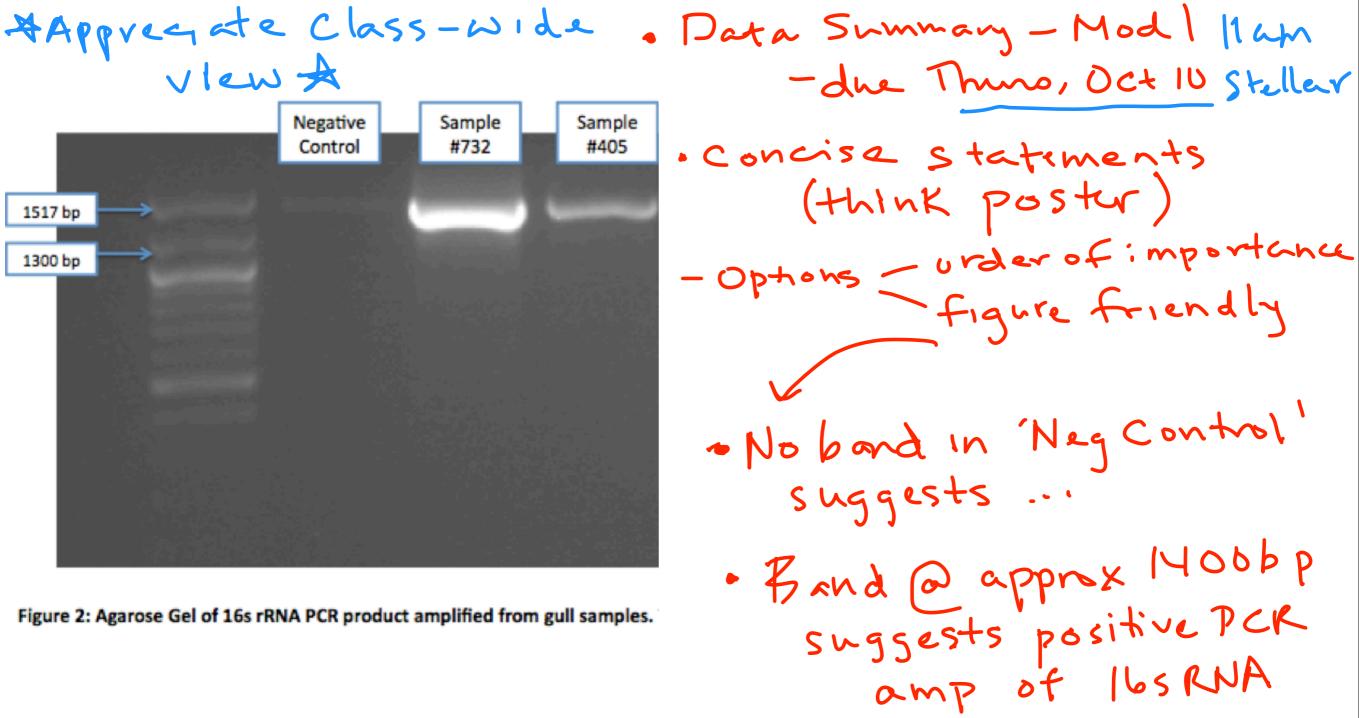
1. Pre-lab discussion



- 2. I/2 lab in TC to set up HR experiment
 - *White, Blue, Yellow & Orange in TC
- 3. I/2 lab meet with Prof. Engelward to discuss paper
 - *Red, Green, Pink, Purple, Platinum to 56-711
- 4. Switch!

Thank you Lizzie!!!

Review MID3 FNT: Figures & Data Interpretation



Current title: Agarose gel of 16s rRNA PCR product amplified from gull samples.

Review MID3 FNT: Figures & Data Interpretation

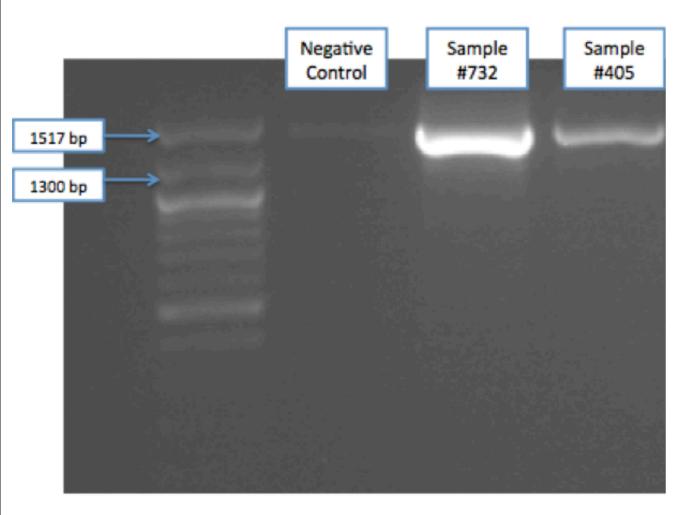


Figure 2: Agarose Gel of 16s rRNA PCR product amplified from gull samples.

Alternate titles:

Amplification of bacterial 16s rRNA gene from Alaskan gull stool samples.

Electrophoresis of amplified bacterial 16s rRNA genes.

Successful amplification of bacterial 16s rRNA gene from two Alaskan gulls.

Revisit Methods section: What experiments fit together?

PCR

Transformation

Xbal/EcoRI Digest

PCR product purification

Diagnostic Digest GE

Xbal/EcoR | Digest Purification (GE)

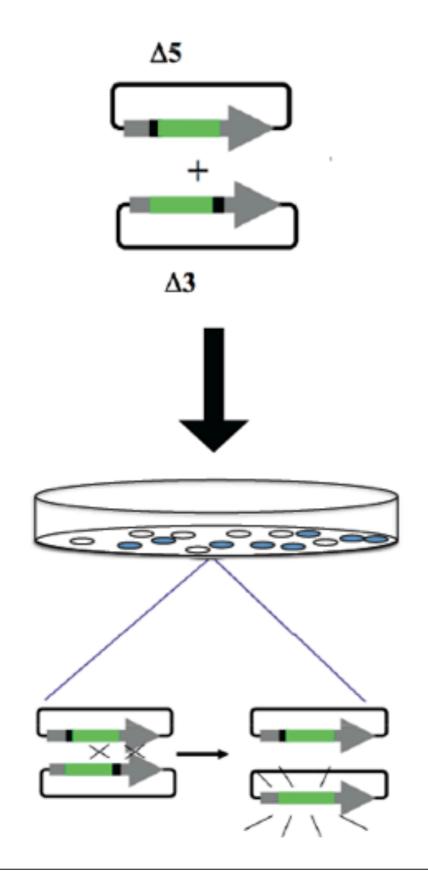
O/N e.coli cultures

Ligation/Precipitation

Plasmid purification

Diagnostic Digest

Step 2: Test the system!





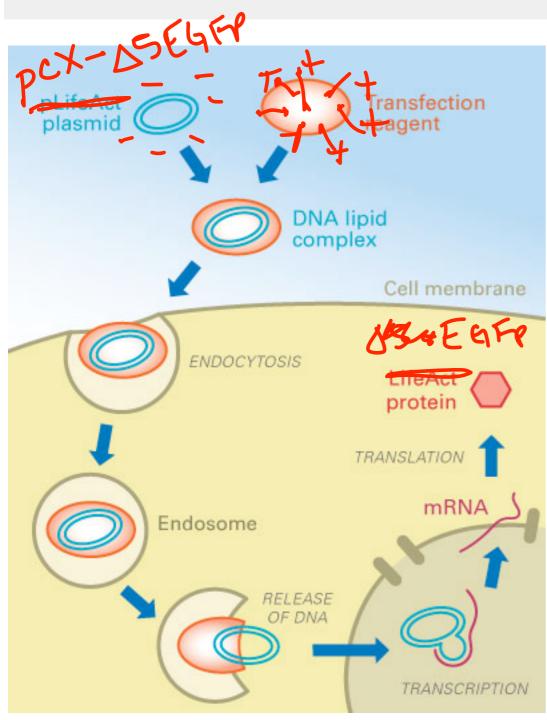
Julian Voss-Andreae Steel Jellyfish (Green Fluorescent Protein), 2006 Stainless steel, 4' x 3' x 3' (1.20 x 0.90 x 0.90 m) Location: Friday Harbor Laboratories (San Juan Island, WA)



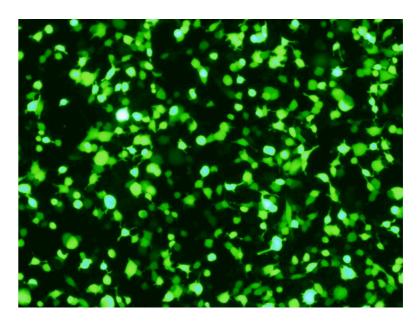


Step 2: Test the system!



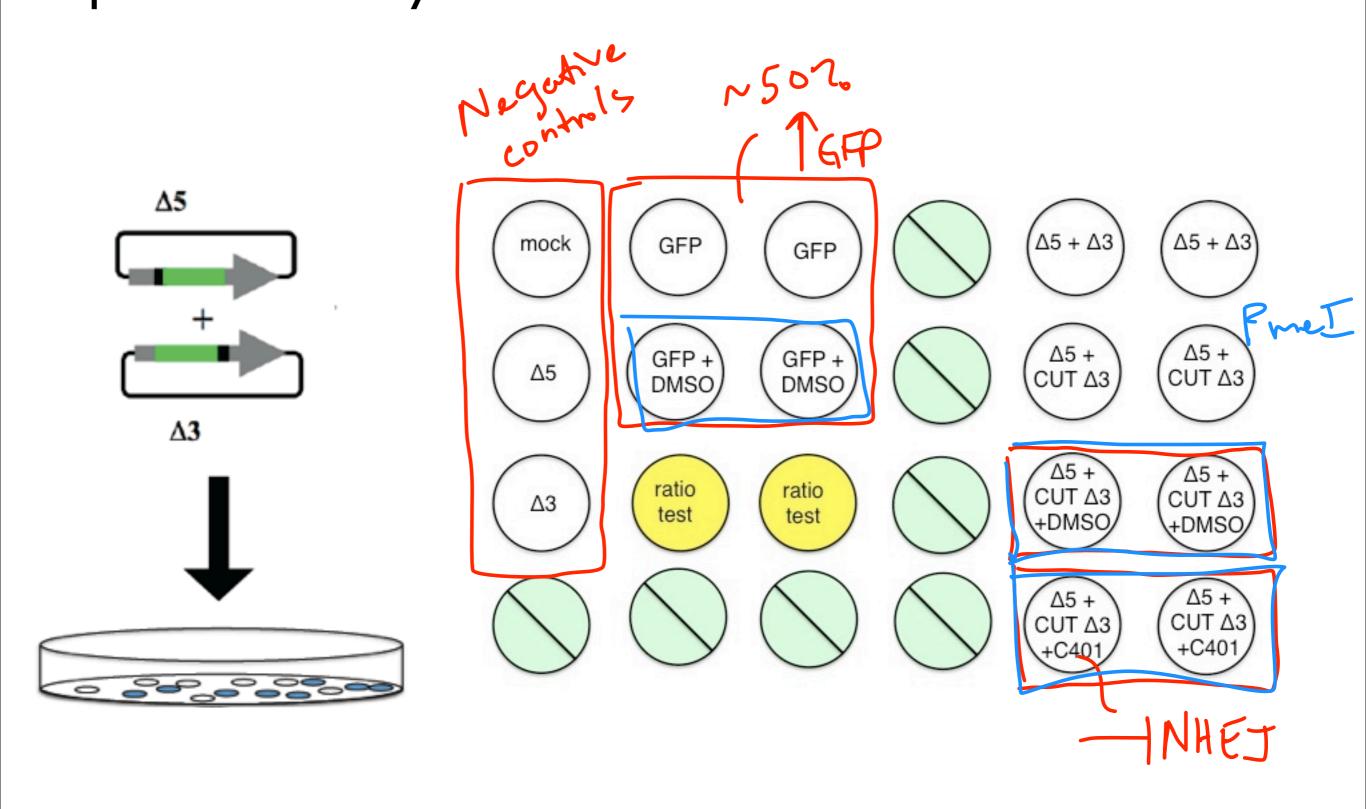


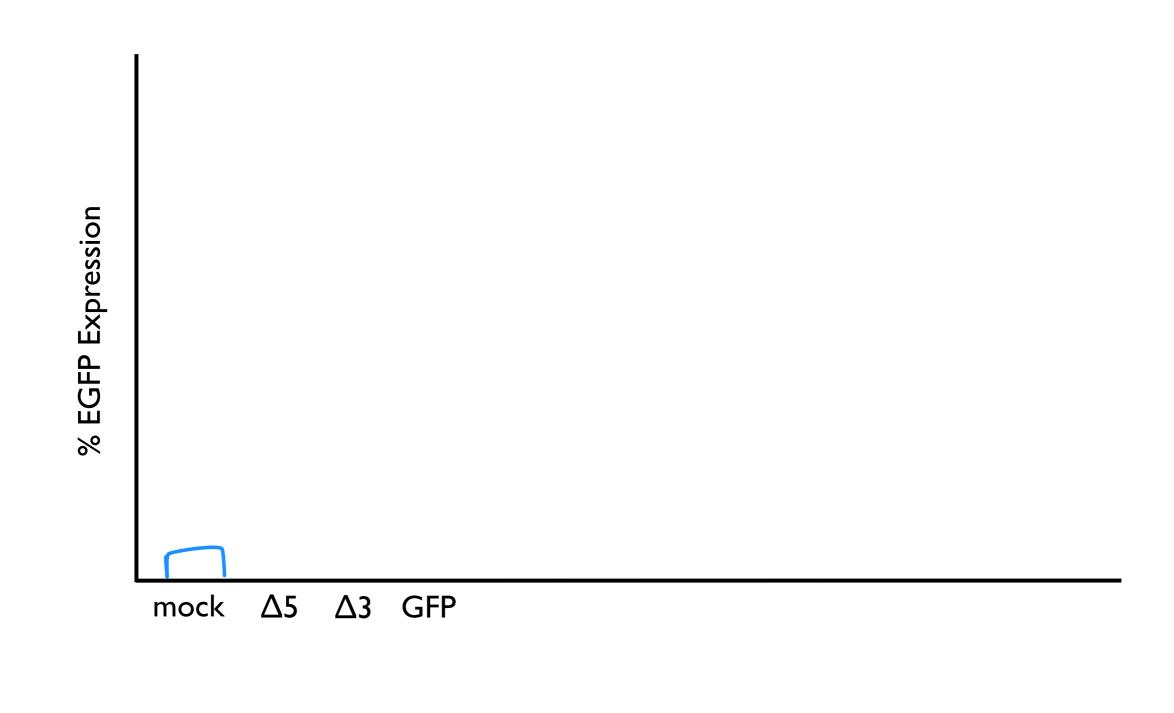




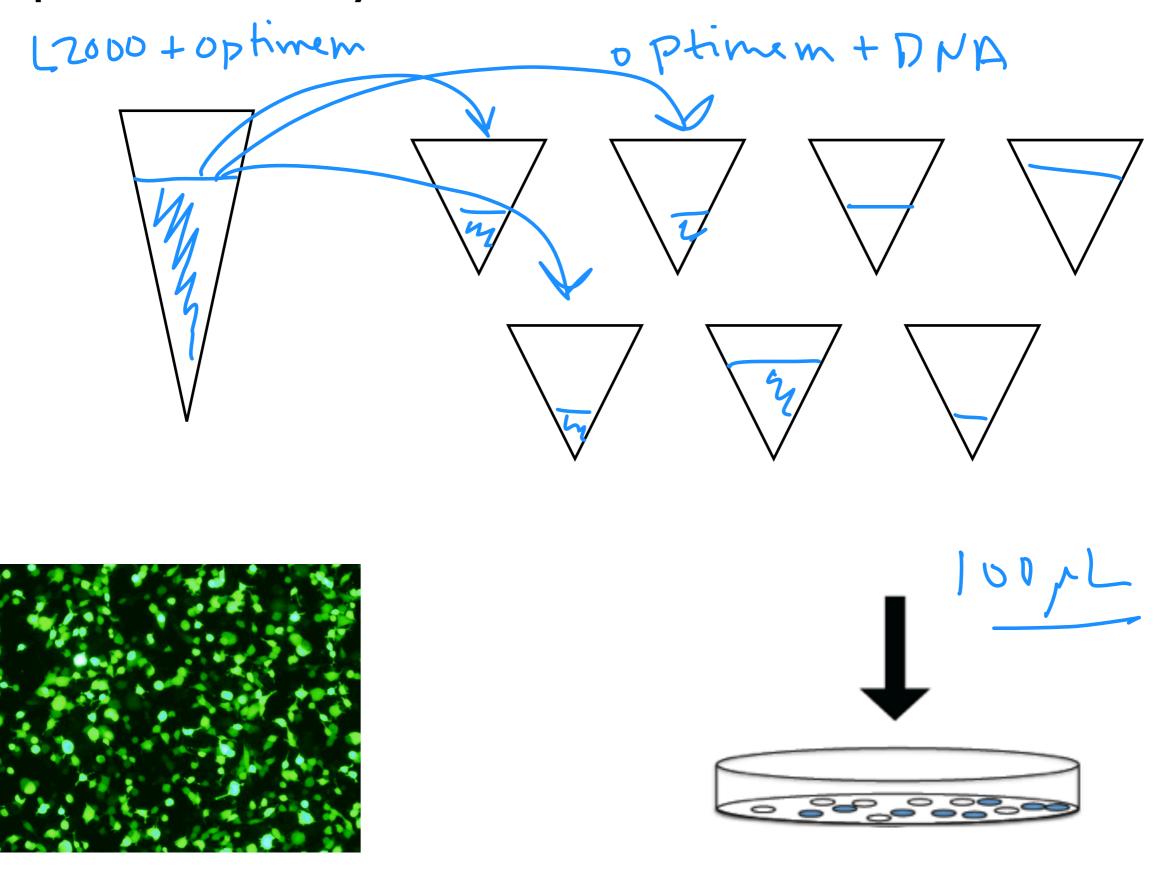
MES ~ max 70%

Step 2: Test the system!





Step 2: Test the system!



Tissue culture tips

- Set up a few inches behind the barrier/grate
- Minimize opportunities to bump or expose sterile equipment or your samples
 - Uncap bottles before opening pipet
 - Keep tips and dishes closed when not in use
 - Avoid passing your hands/arms over open dishes
 - Don't try to hold > 2 things at once! ☺
- Take care not to clog the pipet-aids

Today in the lab:

- Set-up lipofections -- pick your bonus condition
- Discuss paper with Prof. Engelward
- Look for feedback on Methods ASAP

Next time in the lab:

- Sign-up on MID7 Talk Page
- FACS analysis to measure HR efficiency
- Post FACS data on MID7 Talk page promptly!!!