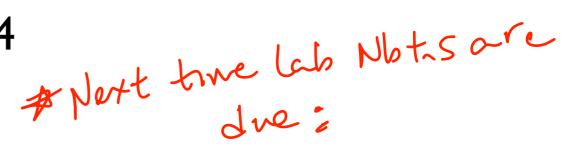
MID6: Lipofection & Stats Practice

9/30/14

I. Pre-lab discussion



- 2. I/2 lab in TC to set up HR experiment
- 3. I/2 in lab to work on statistics practice today is also a good notebook 'catch up' day. (or nap)
- 4. Switch! Thank you Isaak!!!

Review MID3 FNT: Figures & Data Interpretation

When you are writing your R&D, consider the following:

a. What was the overall goal of these data/figure?

1 Intro statement - prepare DNA for cloning/

b. What was your expected result?

-bunds@ 42376p + 6636p

c. What was the result?

- bands @ ~4000 bp & ~650 bp

d. What evidence do you have that your result is correct or incorrect?

- Single digest controls for RE function 11 suggest our experiment is a success

e. In sum, what does this data suggest or indicate? What does this motivate you to do next?

roudy for ligation

Review MID3 FNT: Figures & Data Interpretation

*Each R+D section needs a Jessiptive title

Livit each figure (experiment) 1-2 pages max

Don't & include Methods

Revisit Methods section: What experiments fit together?

PCR Monday 1016 & 5 pm
Transformation

Xbal/EcoRI Digest

PCR product purification

Diagnostic Digest GE

Xbal/EcoR | Digest Purification (GE)

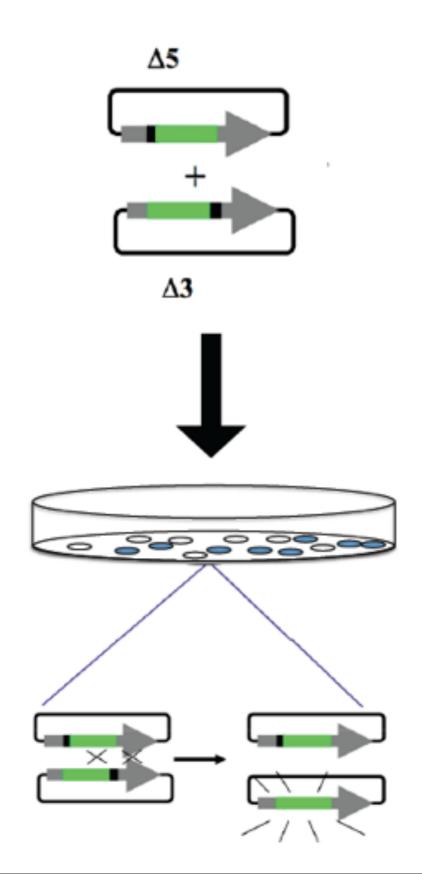
O/N e.coli cultures

Plasmid purification

Ligation/Precipitation

Diagnostic Digest

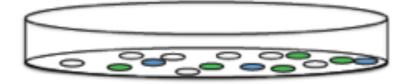
Step 2: Test the system!





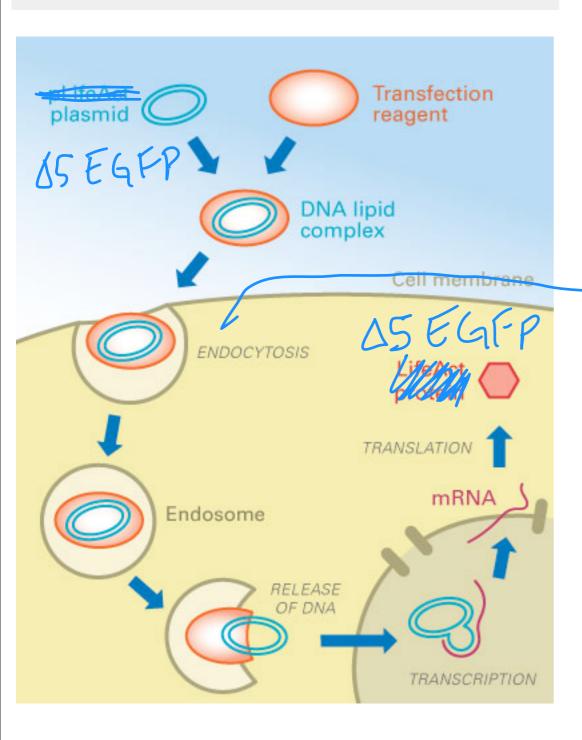
Julian Voss-Andreae Steel Jellyfish (Green Fluorescent Protein), 2006 Stainless steel, 4' x 3' x 3' (1.20 x 0.90 x 0.90 m) Location: Friday Harbor Laboratories (San Juan Island, WA)

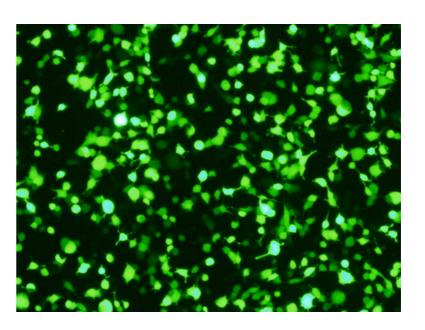


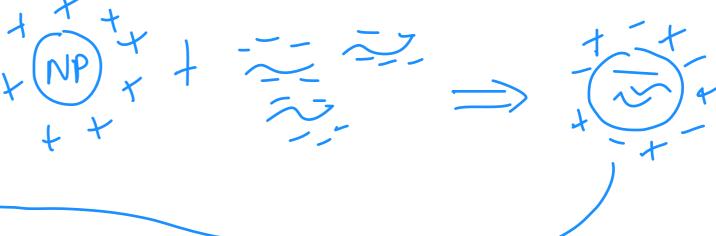


Step 2: Test the system!

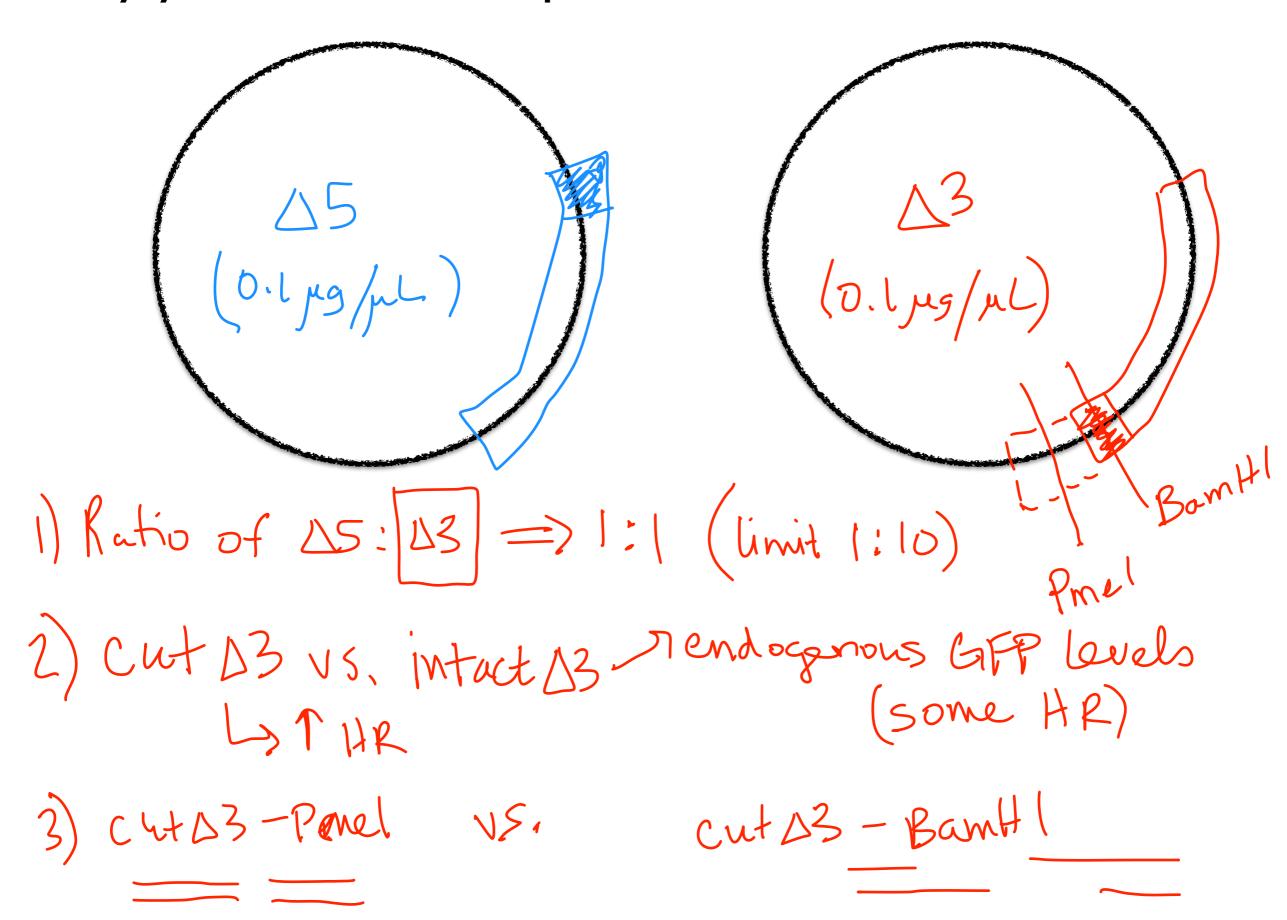




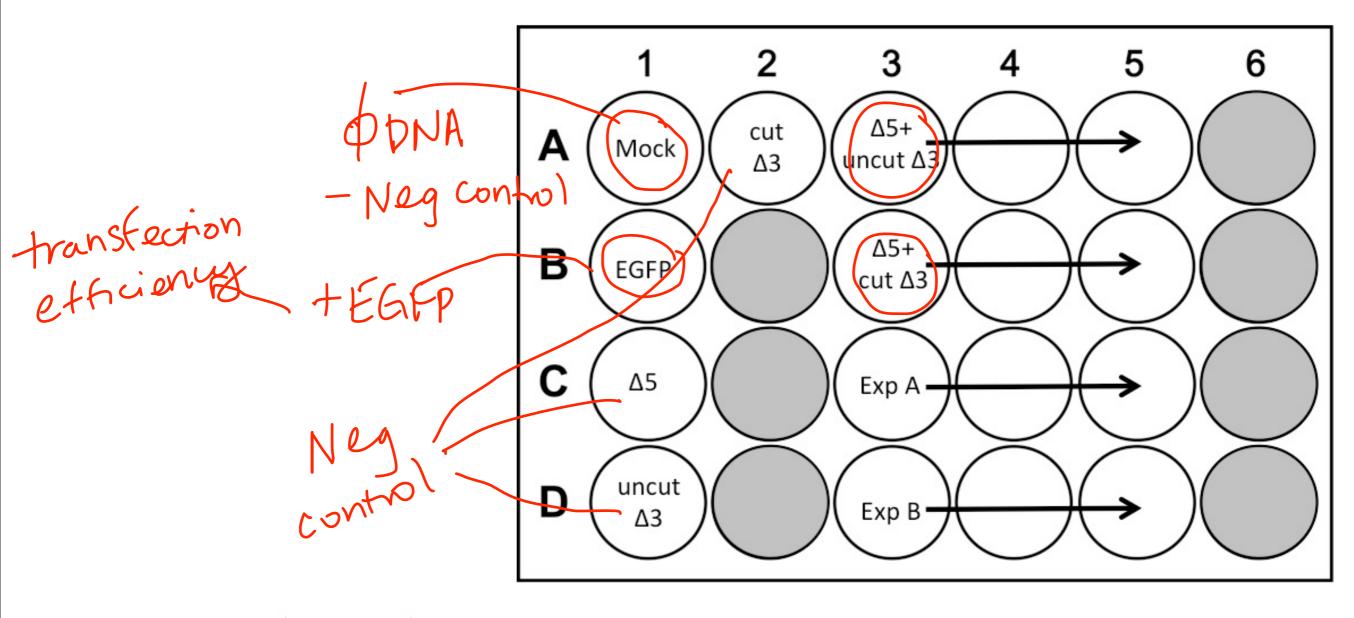




Today you have some options:



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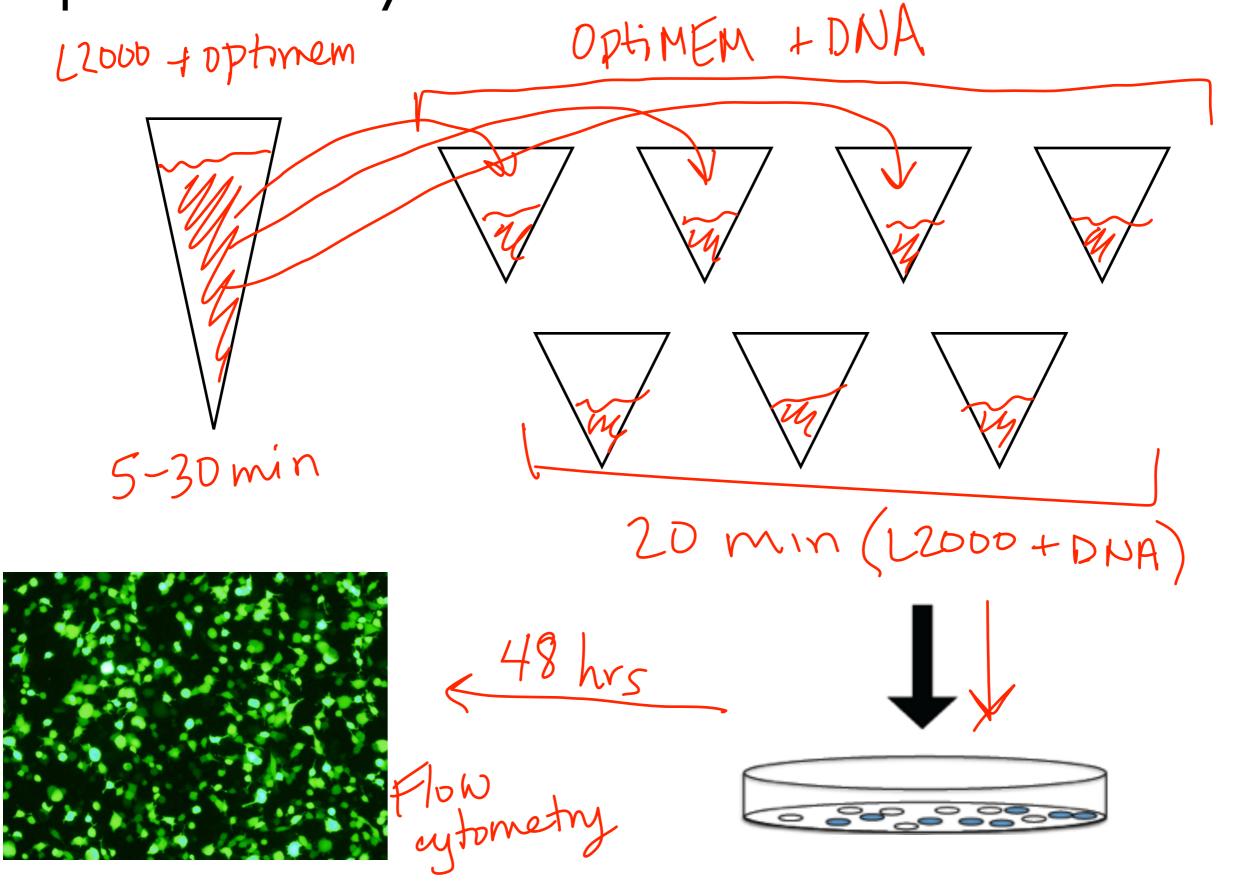
You get to pick

1) What is your cut D3 \ BamH

2) Ratio of D5: cut D3 (or uncur D3)



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 conditions and do your calculations BEFORE you start TC
- Look for feedback on Methods ASAP for sure Thursday in lab, possibly tomorrow night.

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!!!