- Announcements
- Lab Quiz
- Pre-lab Lecture
 - Where are we/going?
 - Today in Lab: M1D5

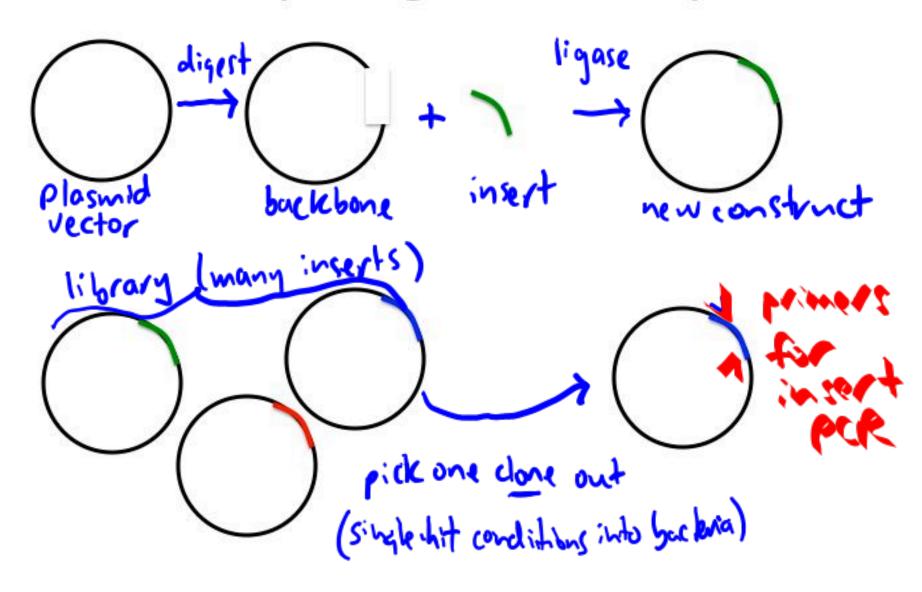
Announcements

- HW: MEME exercise
 - Very few folks selected the correct clones
 - Think about how you can learn which are unique
- Next time
 - One week from today
 - Meet here to set up IVT
 - Move to 16-336 for talks (~1:30/45 pm)
 - Check out j club rubric in advance!
- FNT: Mfold analysis, draft introduction.

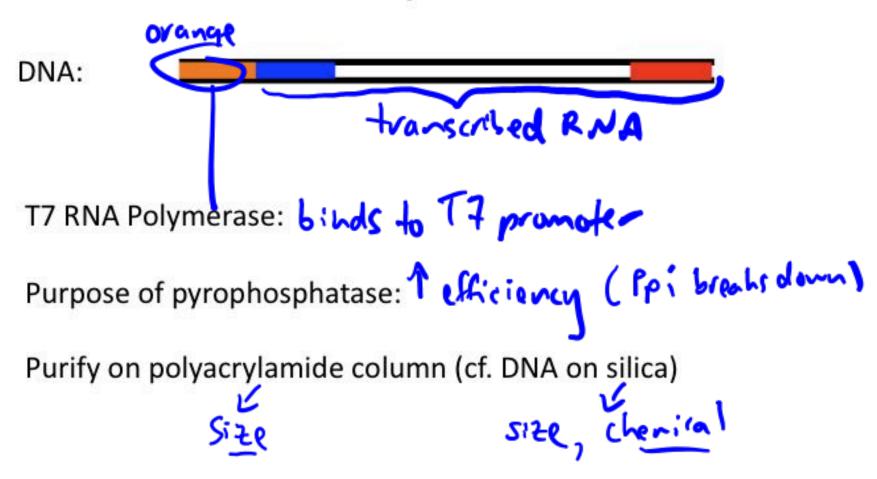
D2 FNT: Figure/Results

- D2 FNT can be picked up early next week, TBA
- For now, a few comments...
- Results
 - Set context in 1-2 sentences [read example]
 - Focus on results, not methods
 - Consider observations vs. expectations be explicit
 - What do you know about band size?
- Figure
 - Still set a little context (e.g., the word aptamer)
 - Avoid writing "6-5" and "8-12" this way

Preparing DNA library



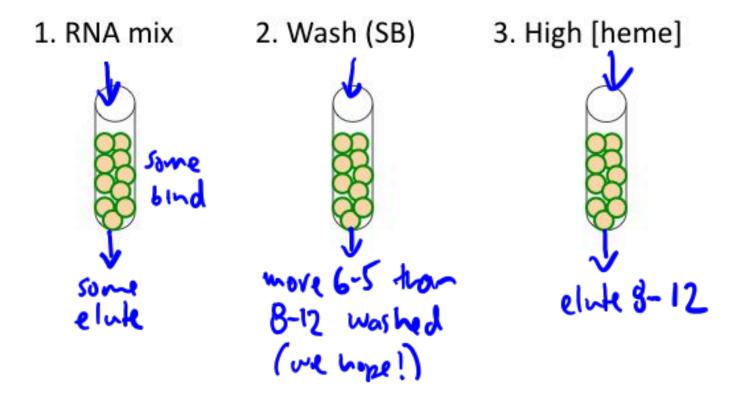
IVT and purification



Cartoon from Niles Lecture 2.

Column purification

- Why did we heat the RNA first?
- What happens at each step?



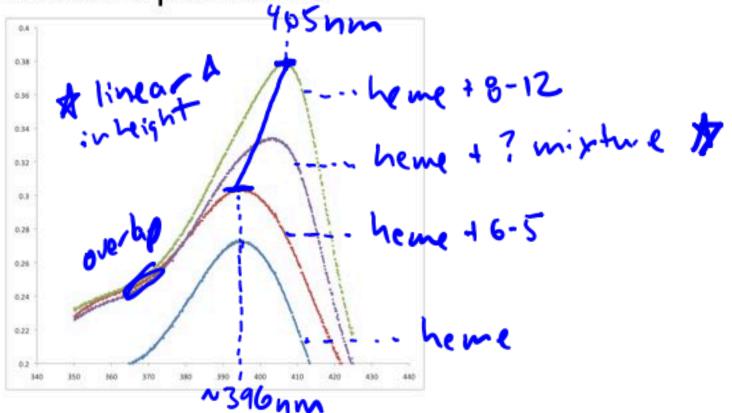
RNA precipitation and RT-PCR

- RNA precipitation
 - Glycogen co-precipitale "corrier"
 - Ethanol lowers charge screening
 - Salt book precipitate RNA
- RT-PCR
 - Step 1: RT RNA -> DNA 5.5.
 - Step 2: PCR amplify DNA J.S.
 - Assume: Same copy rate 6-5,8-12
 - Purpose of BSA: prevent heme interference

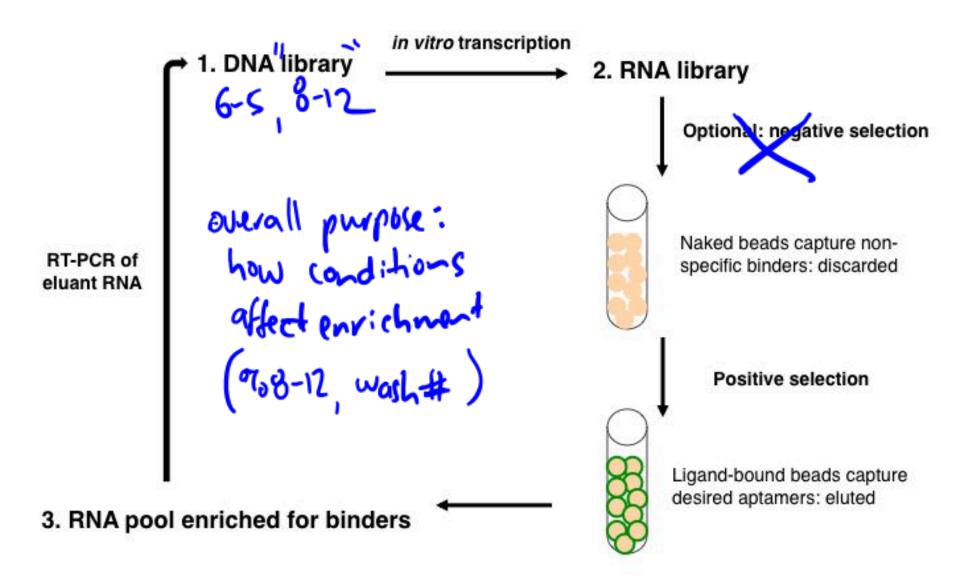
Preview of binding assay

Mix RNA and heme ~ 1:1

Measure peak shift



SELEX Overview



Today in Lab (M1D5)

- Still working with RNA (at first) careful!
- Collect precipitated RNA, set up RT-PCR
 - check EtOH removal with us
- WAC session ~3ρm
 - Academic integrity and plagiarism
- Prepare samples to run on gel