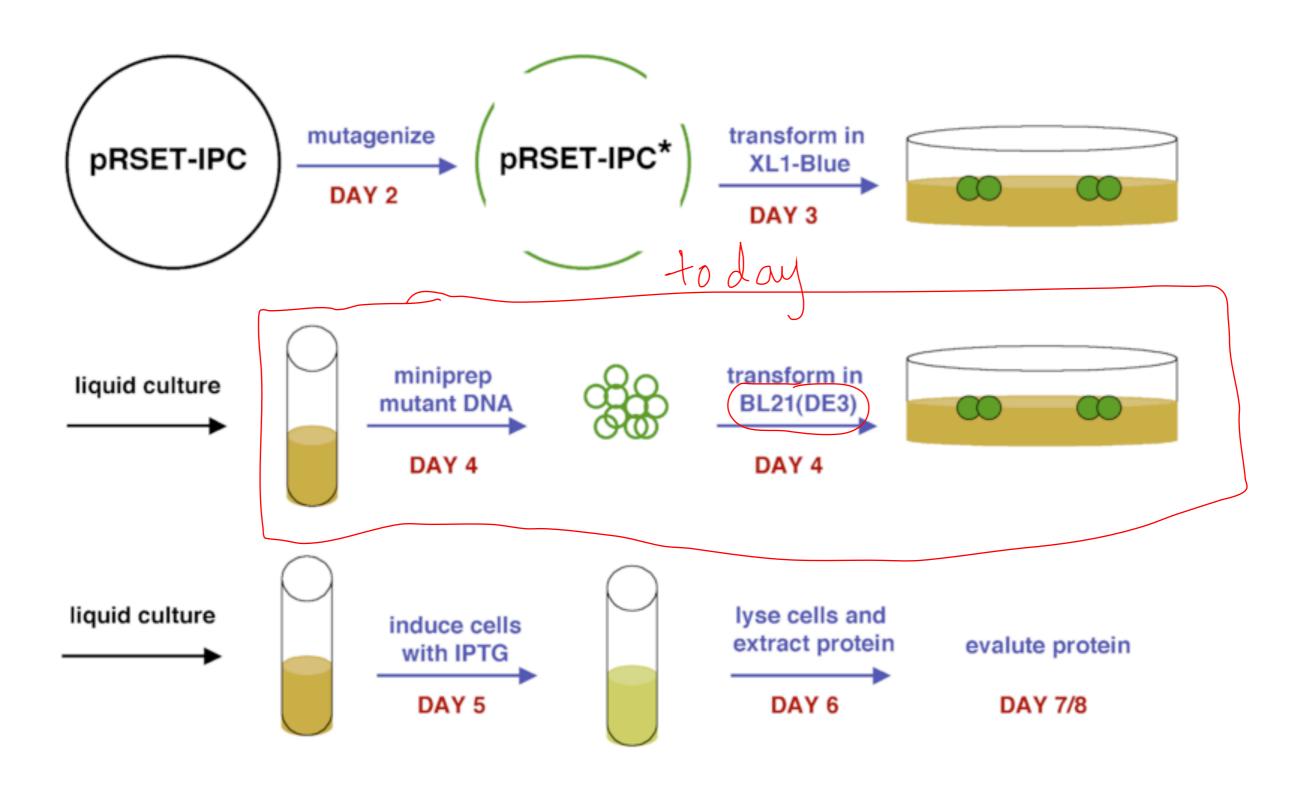
M2D4: Prepare for Expression 3/22/13

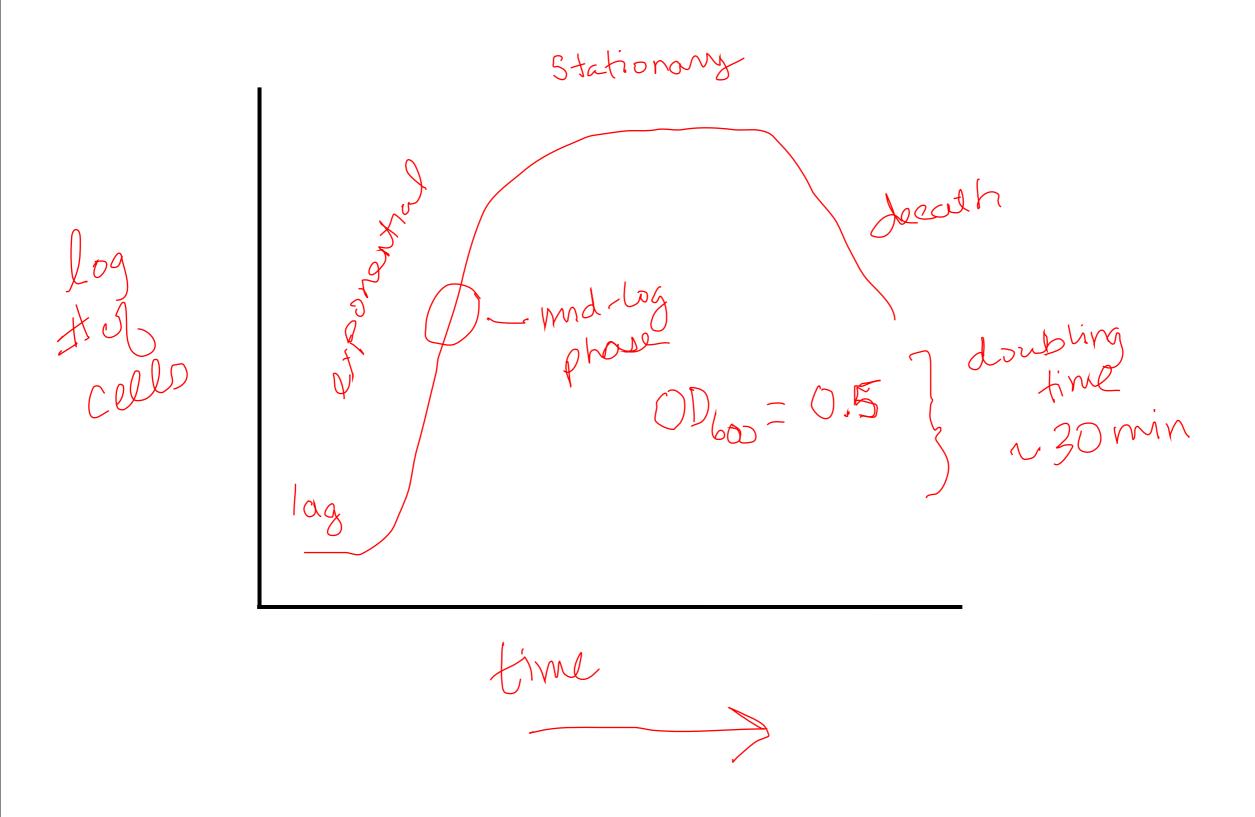
- I. Turn in MID3 FNT up front in folder: I'll check off your name and you can come get it if/when you need it
- 2. Preview of graduate school. Today we will:
 - Make competent cells
 - Miniprep DNA
 - Transform into our homemade competent cells
 - Set-up diagnostic digests
 - Set-up sequencing reactions
- 3. And, hey!, today is not as long as we originally thought!
- 4. Actual lab treats are out in the break room.

Protein Engineering -- Experimental Overview



Let's think about our transformations DNA - Ab		
Sample	Expectation (what if?)	Role - Numbatur - Your - Other past
no DNA	Dothina bad Ab ontampation of medial labeled plate - You bad Stenle technique	Negative Control
E67K	DNA collo-	positive control.
Y.M. (X#Z)	~10-20 colomas PCR-based reasons (Naed to optimize!)	czpaniment

E.coli density matters. Why?



Today in lab:

- Obtain BL21(DE3) in mid-log phase, make competent -- 1 hr incubation
- 2. Extract DNA from two mutants
- 3. Transform BL21 with extracted DNA -- 30 min incubation
- 4. During incubation(s): set-up diagnostic digests, sequencing reactions, and count colonies -- we will stop digests if they go past 5pm



