- Announcements
- Lab Quiz
- Pre-lab Lecture
  - Where we are/going
  - Mutant phenotypes
  - Today in Lab (M2D5)

Announcements

- Methods sections
  - see general comments, apply to many of you
  - review writing guidelines
  - breakdown a published journal article as a model
  - meet with me or WAC for help revising
- Plus one more iPad experiment

Plus music: oops

Where we are/going

- Each colony you chose was re-streaked, then grown O/N in light and dark. Now what?

➢ 1 β-gal assay — to compare mutant to original
  ✱ perform as similarly as possible (OD)

➢ 2 sequence DNA — what is each mutant?
  ✱ are there other mutations?

➢ 3 is [phB] protein itself changed?
  + ✱ potential for artifacts

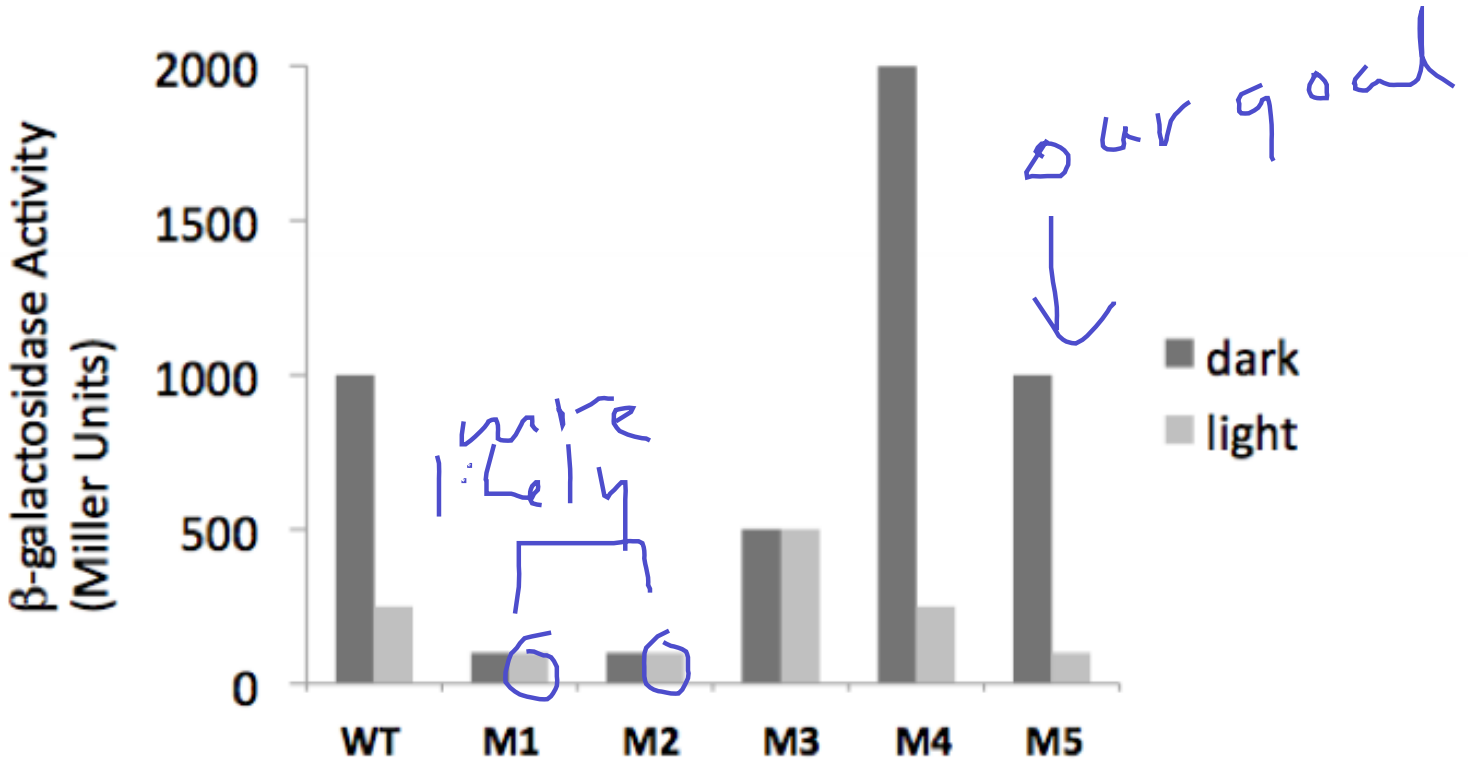
➢ 4 new photo — compare to original
  + ideally, would run same day, with same light/media conditions, rel OD

+LATER

Chance for design/investigation

- Day 7 = Western = lots of long incubations
- Chance to design and carry out an additional experiment that could shed light on your results
- Start thinking about it now (or rather as soon as you have your first batch of mutant data)
- Also a day to share, collaborate with other groups

β-gal assay of K-P+ candidates



Cph1/EnvZ	A553	G554	V555	S556	H557
EnvZ	A239T	G240E	V241G	S242D	H243A

Slide from N. Kuldell

Today in Lab:M2D5

- Miniprep each mutant candidate (light *or* dark)
- Resuspend in sterile water, mix an aliquot with sequencing primer → ideally done by 3 pm!
- Linda will discuss paper structure @ 4 pm