

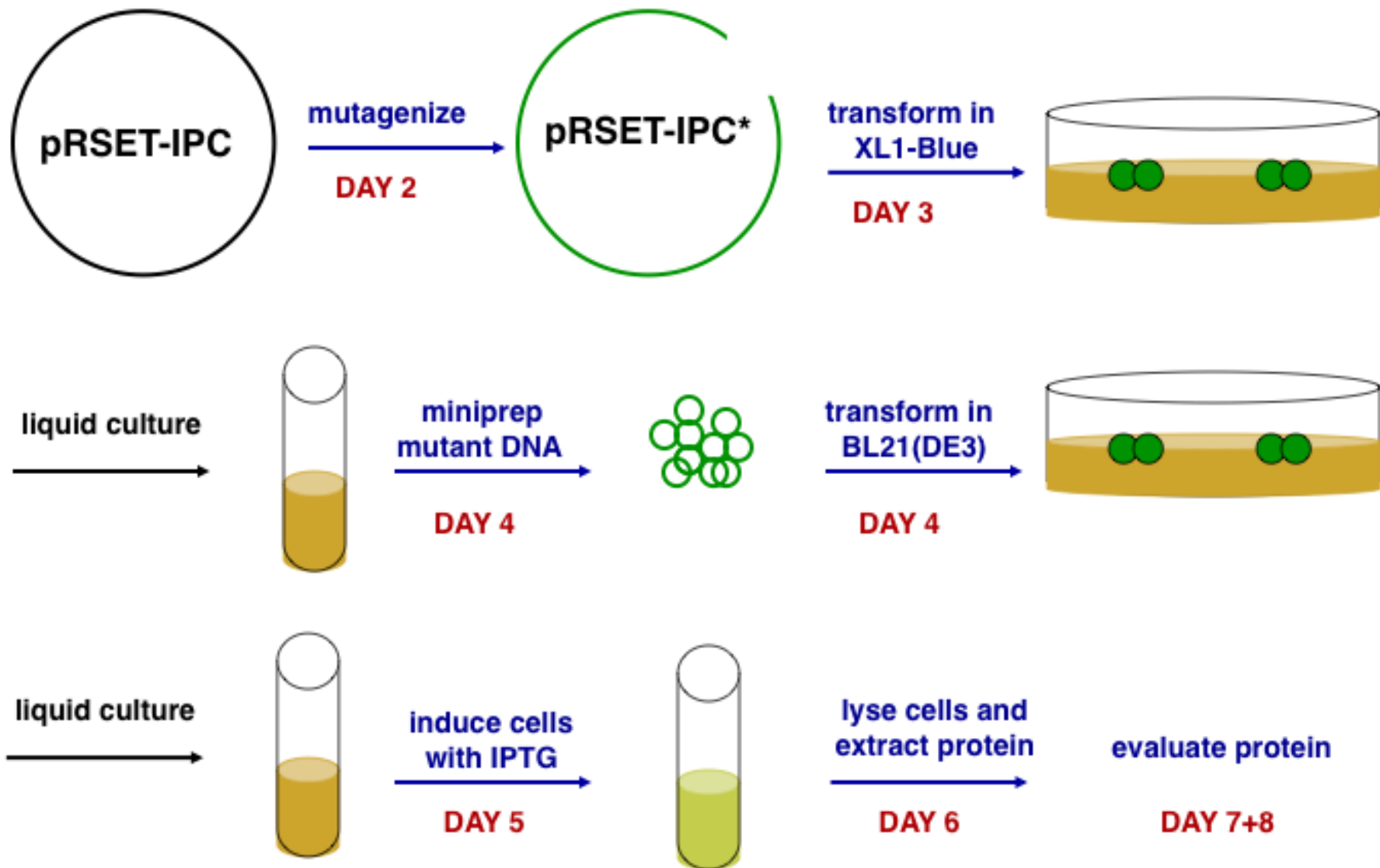
- Announcements
- Pre-lab Lecture
 - ❖ Mod 2 lab steps overview
 - ❖ Site-directed mutagenesis
 - ❖ Restriction enzymes recap
 - ❖ Today in Lab: M2D2

Announcements

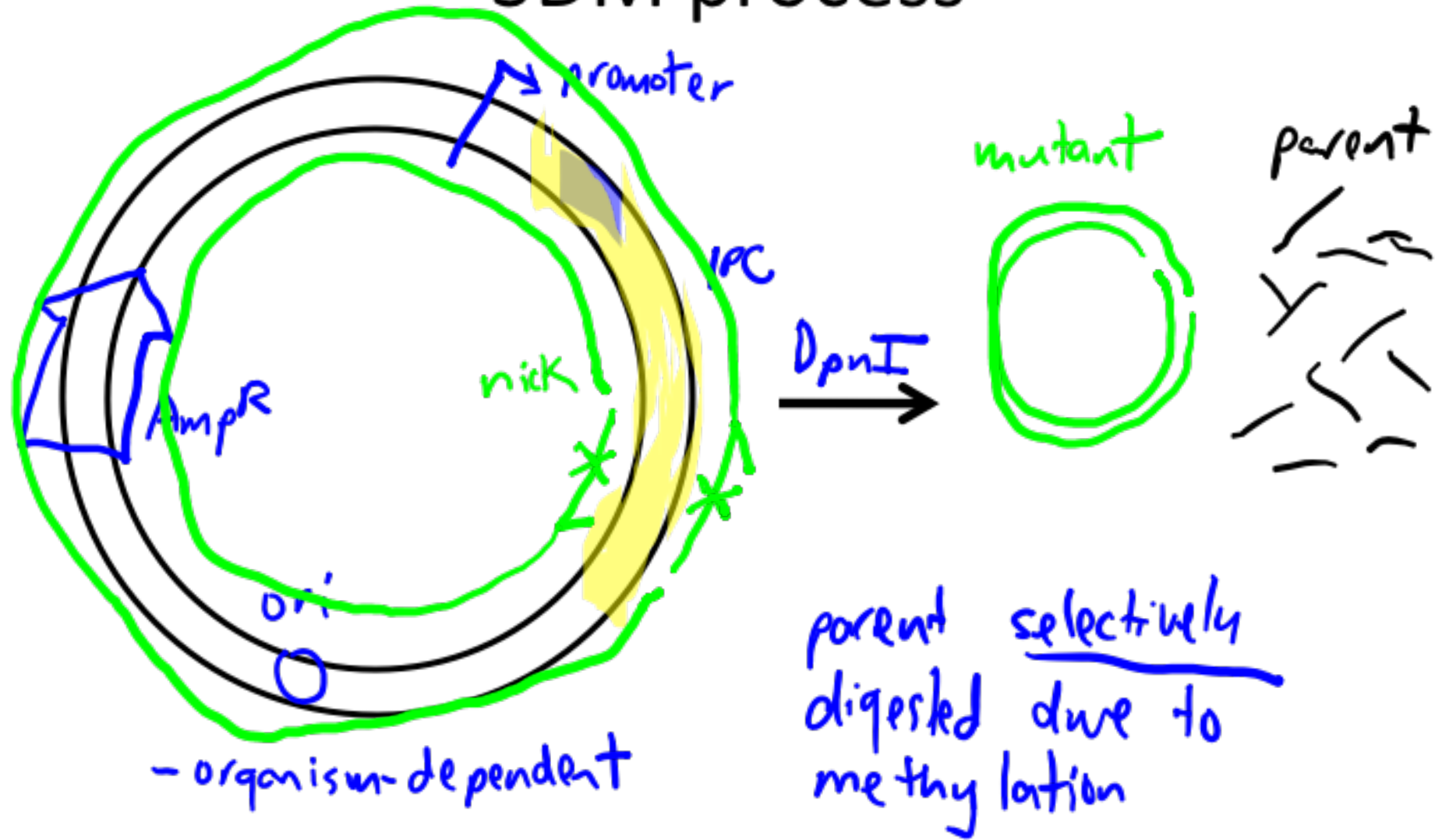
- First M2 quiz next time!
- Plus a short-answer FNT due
- Primer design summary due Tuesday by 11 AM
 - again, to 20109.submit@gmail.com
 - individual, and *not* subject to revision
 - expectations vs observations? reasoning?
 - consider both size and intensity of each band

DNA stain \propto bp # (mass, not moles)

 brighter than 

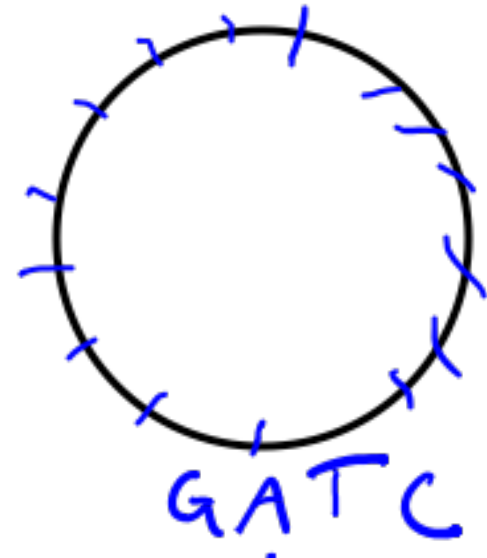


SDM process



Restriction enzyme recap

- Allow selective cutting of DNA
- Some are more common than others
e.g., DpnI v. common
- Often, but not always palindromic
- Some are less selective



XcmI CCA N₉ TAG

N = A, T, C, G

CH₃

PpuMI RGGWCCY

R = A/G Y = C/T

W = A/T

Today in Lab: M2D2

- Prepare primer stock and dilution.
 - Read part 1, step 3 carefully to prepare your primers in the appropriate volume at the appropriate concentration.
- SDM rxn: careful not to contaminate shared stocks!
- Paper reading period and discussion. *Nagai - required*
- Start digestion of SDM rxn. *Heim - recommended*
- For next time:
 - Short answer questions