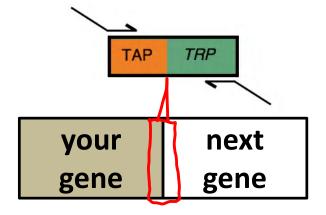
- Announcements
- Lab Quiz
- Pre-lab Lecture
 - Yeast Strain Overview
 - Growth Curves
 - Yeast Transformation
 - Today in Lab

Announcements

- Prof. Bevin's office hours
 - Room 16-743, Monday 4:30-6 pm
- Module 1 lab report revision due Wednesday
 - Great care was taken to comment on your work –
 embrace the opportunity to improve your writing!
 - Up to 1.5 letter grade improvement

Module 2: where are we/going?

• Last time:



PCR product

- Today: transform yeast with linear PCR product vely on HR to incorporate
- · Next time: evaluate which colonies have tag

A little more about your yeast



»NY411 -> las shortland

genotype

MAT(A) his4-917d, lys2-173R2, leu2d1, ura3-52, trp1d63

two mating types

happoid <

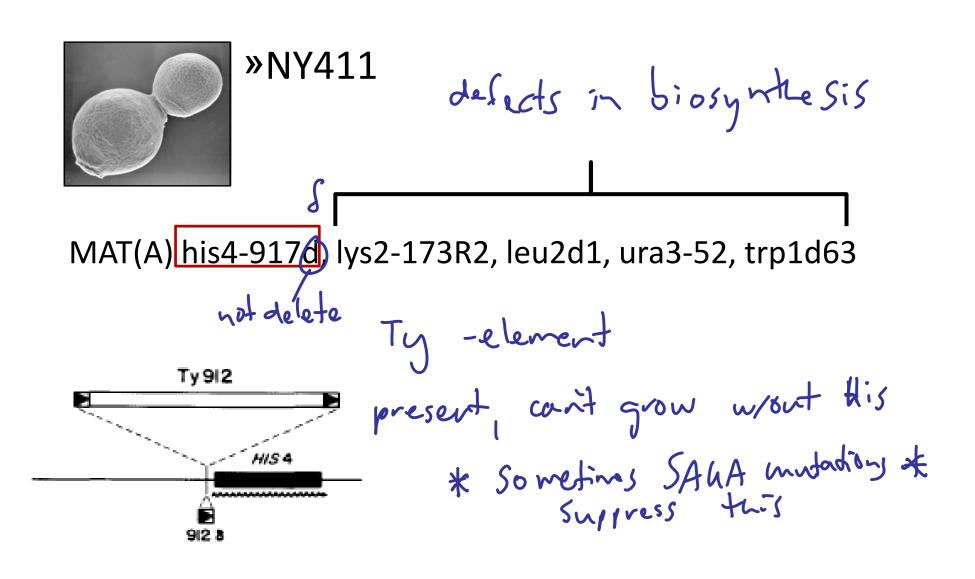
. Why use haplaid?

all proten is tagged

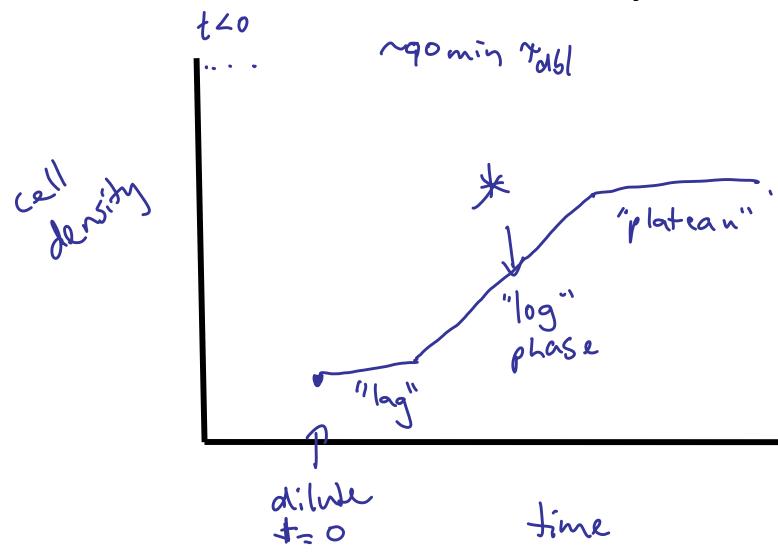
diploid weeful is tethal

diploid - A/X

A little more about your yeast



Yeast Growth Cycle



Yeast Transformation

- You will make your own competent cells today!
 - Competent yeast are more stable than competent bacteria
- Resuspend the cells in Competent Sol'n (= LiAc?)
 Mix with your DNA Wash the cells with Wash Sol'n (= water?)
- Mix with your DNA samples No DNA, pRS414, concentrated/cleaned PCR
- Resuspend in Transformation Sol'n (= PEG?) + (M2 (H20)
- Plate on SC-trp

Transformation Controls + Outcomes

Sample	Expectation	Role	
no DNA	no colonies	for contamination	
pRS414 (- KI)	lots of alonies	for transformation	Hilpey
PCR product	Some	experiment	

What if...

Selecting for TRP transformants

Today in Lab

- Clean PCR product, transform yeast
 - Be careful with alcohol burners
- During incubation
 - Read sample module 1 assignments (at teaching bench)
 - Work on for next time assignment
 - Materials and methods
 - Read article to be discussed next time
 - Module 1 lab report revision
 - (Start thinking about presenting in Mod2 vs. Mod3...)
- Enjoy the long weekend you've worked so hard and learned so much already!