MID8: Analysis II

3/5/15

Shannon's office hours:
Friday 3-4pm in 16-319
Sunday 3-5pm in 528 Simmons Hall
Monday 3-4pm in 16-319

Noreen and Leslie have OH on Monday

Noreen: 2-4pm in 16-429%

Leslie: I-2pm in 16-429%

Announcements

Journal club

Tuesday: Meet in 16-336 at 1:30pm (speakers 1:15pm)

Mod I Abstract + Data Summary: Due Saturday, March 14th at 5pm. Leslie R. will give a talk on Abstract on Tuesday at 11am Read the wiki — there are required figures + suggestions on ways to present your data.

Mod I Primer Design Memo:

Due Thursday, March 19th at 10pm

Data was sent to you last night. Let me know if you did not get it.

Suggestion: complete your Abstract + Data summary first

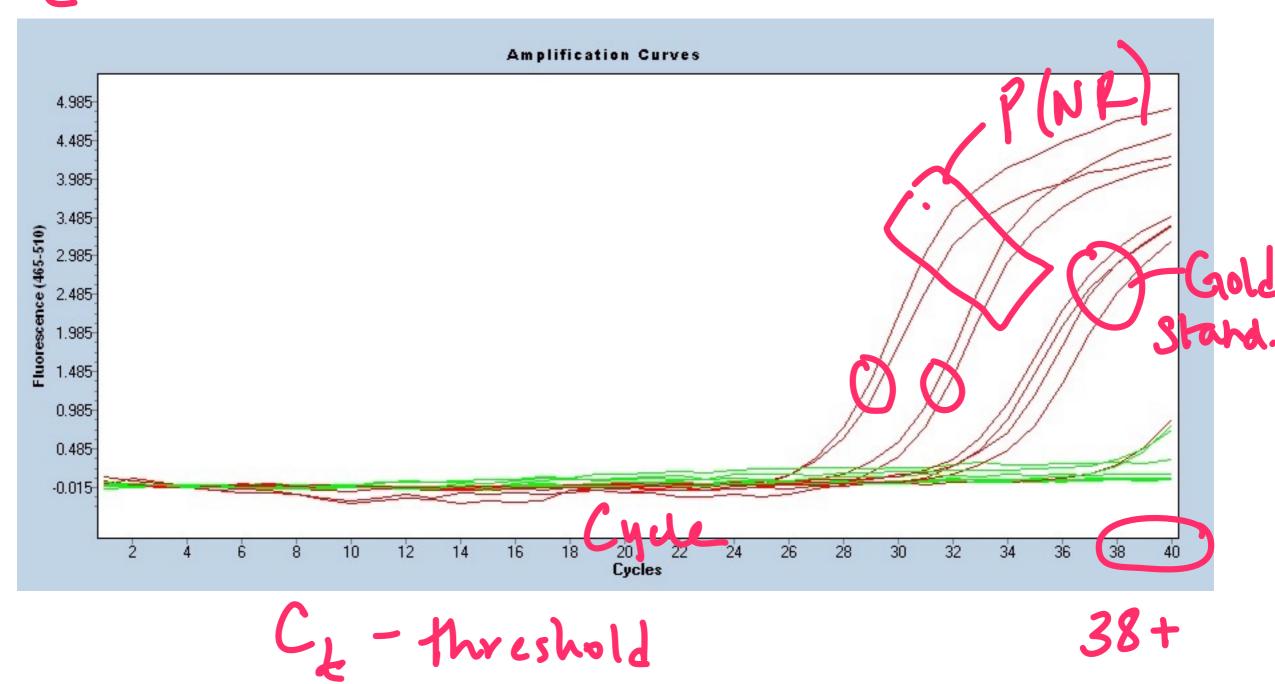
Announcements

Comments about Figure + Caption + R&D Bullets:

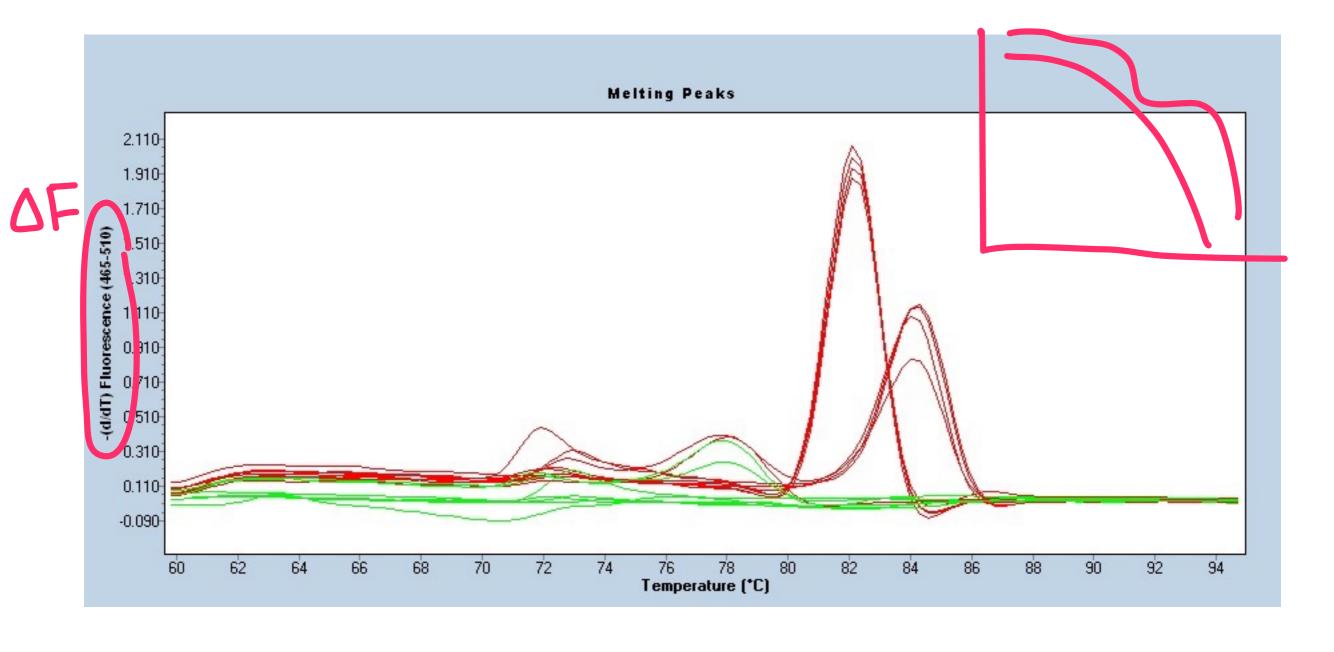
- 1. What was the overall goal of these data/figure? State this concisely in an introsentence.
- 2. What was your expected result? State this concisely in a bullet point (i.e what are the expected band sizes on your gel?).
- 3. What was the result? State this concisely in a bullet point or two (i.e. were your bands present at the expected size? Why or why not?).
- 4. What evidence do you have that your result is correct or incorrect? (i.e. what controls did you perform and did they work as expected? What was the expectation?)
- 5. In sum, what do these data suggest or indicate? Think about how we used these data.
- 6. What does this motivate you to do next?

A,B+

Comments on AIV experiment:

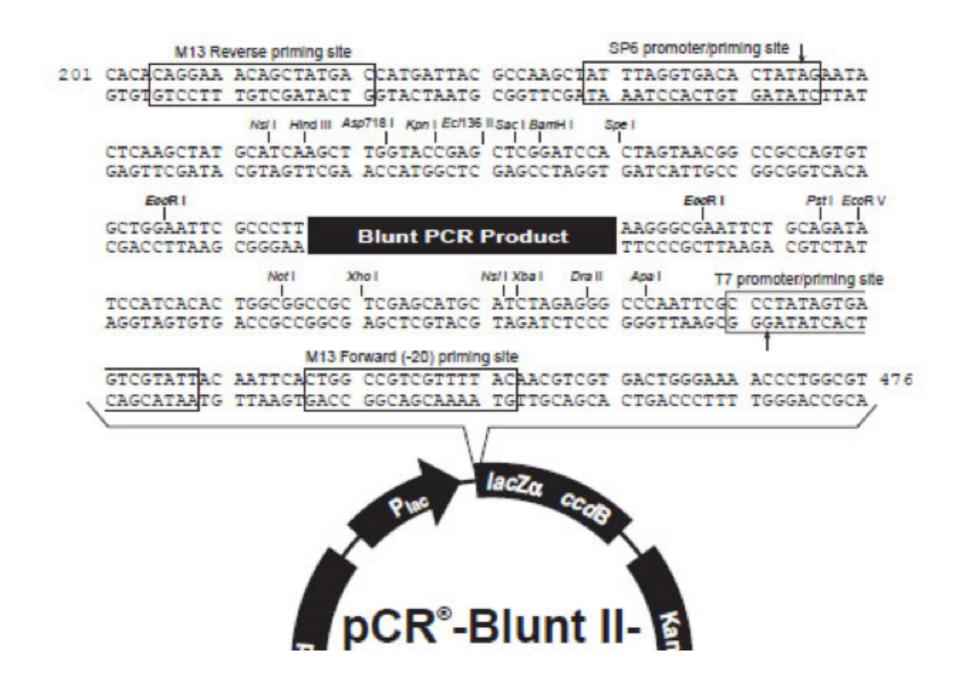


Comments on AIV experiment:



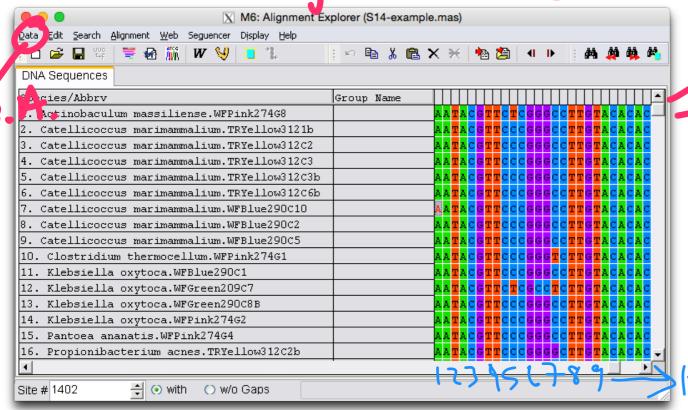
http://www.idtdna.com/pages/support/technical-vault/decoded-archive/core-concepts/decoded/2014/01/20/interpreting-melt-curves-an-indicator-not-a-diagnosis

Insert Orientation



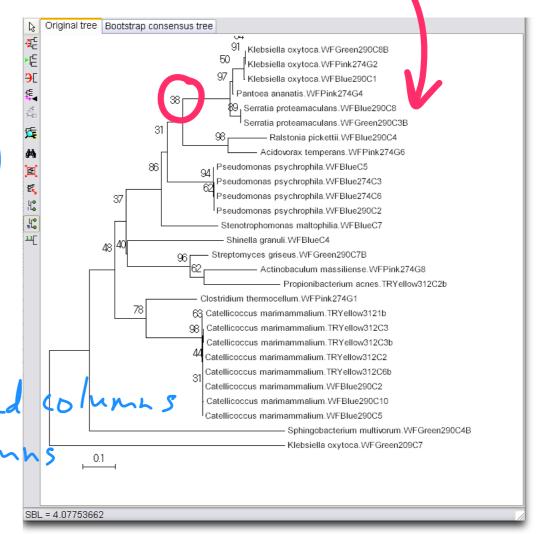
Practical bootstrapping example (your tree):

Mas Wignment file

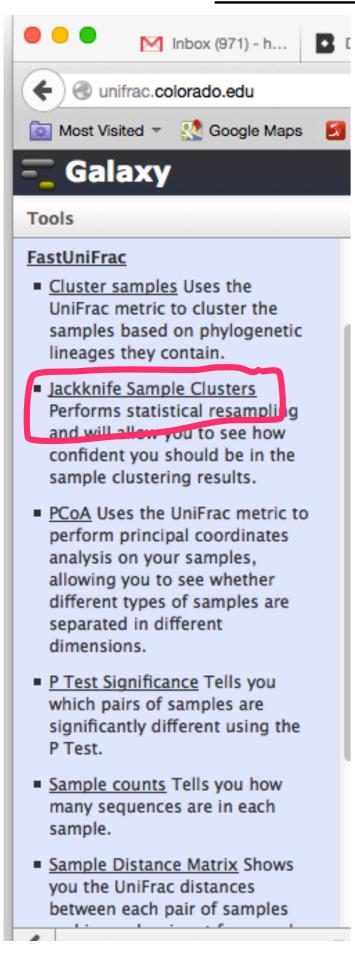


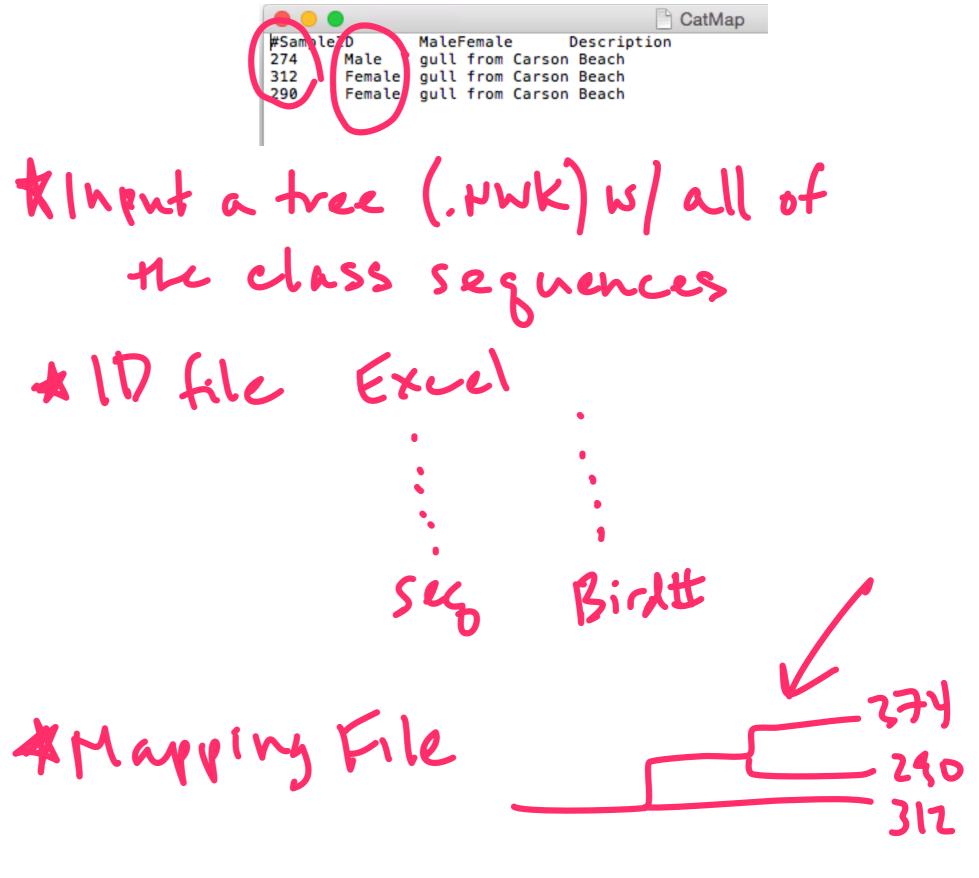
In class I said the rows (sieces) were shuffled but it is actually the Columns that are shuffled Soj True # | contains 1-1400 Tree # 2 contains one or more shuffled columns Tree#3 contains other shuffled columns

Tree # 1 on mand seg >Tratz 5,1,5,7,12,2 5500 MEGA Treeth

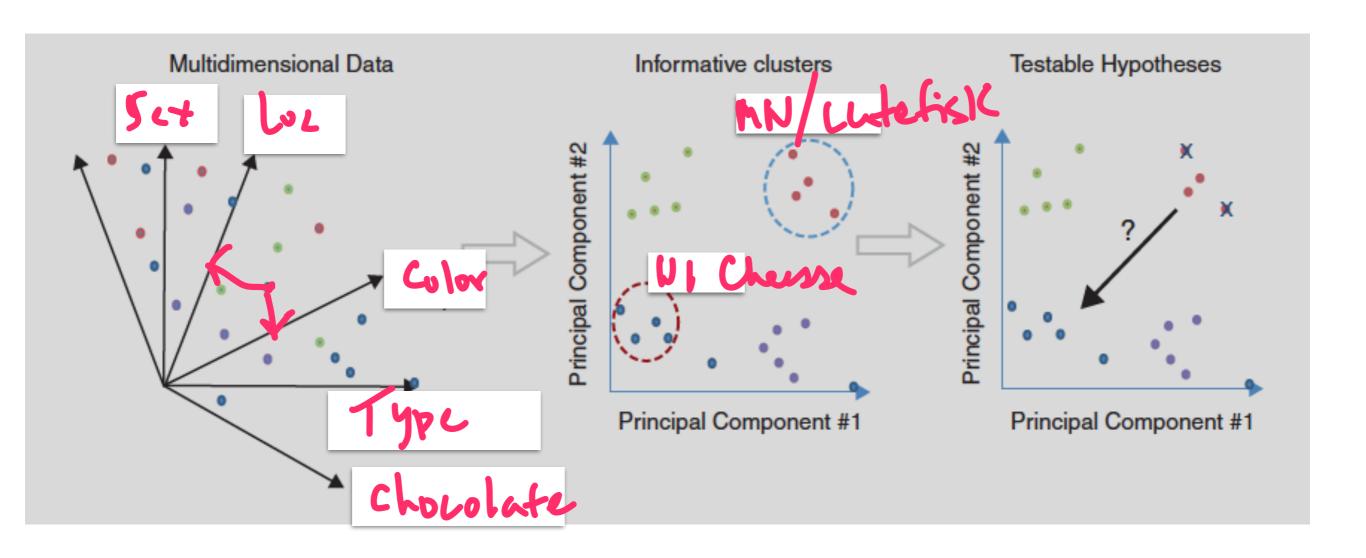


What's all the stuff on the Fast UniFrac site?





(Hopefully) intuitive PCoA:



Today in lab (practice analysis):

- Locate samples on Genewiz site that are good use the spreadsheet to help you
- Analyze at least 9 sequences
- Post your full length sequence text files from ApE (those you use for your alignment in MEGA). **Make sure there is ONLY SEQUENCE in those files**
- Post your MEGA alignment file. This is the .mas file (the multicolored spreadsheet-like window).
- We will make sure that all sequences are posted as text files by Saturday at noon.
- Do cool analysis + learn something no one knew before.