

BME 110L / BIOL 181L
Computational Biology Tools
www.soe.ucsc.edu/classes/bme110/Winter09

February 17:

- Finishing off Lecture from Feb 5 (protein motifs, profiles, etc)
- New lecture: Phylogenetic Trees

Rescheduled to Thursday Feb 19:

- In-class exercise/demo: continuing from MSA-exercise we started on Feb 5
- Difficulties people had with HW2 (if time + voluntary)

REVIEW of midterm Qs/As: NEXT WEEK

Accompanying Reading (B4D): Chp 13 (Phylogeny)

Office hours Wednesday Feb 4

- **Grant 10-11: Parts III and IV**
- **Grant 11-12: Parts II and III**
- **DG 11-12: Parts I and IV**

try to answer with as little help as possible -
you'll probably notice that you can feel more
confident going into the midterm than you thought!

all in PSB 313 (Grant's usual, 3rd floor this bldg)

If you can't but have questions - about HW2 or 1 -
arrange a different time with Grant or me.

On-line ORF Finding @ NCBI

<http://www.ncbi.nlm.nih.gov/gorf/gorf.html>

Shows all ORFs of min. length 50, 100, or 300 nucleotides long

Also shows all start (green) & stop (red) codons

Allows “alternate” start codons (TTG, GTG, CTG)

When you’ve selected an ORF you like, click on “Accept” button, then can display nucleotide or protein sequence for further analyses