

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

February 3:

- Organized office hours tomorrow + notes on ORFinder
- A first look at multiple sequence alignments (proteins)
- Back to what we started discussing last week
Protein sequence analysis: motifs, profiles (collections),
protein domains

More on midterm exam format on Thursday (class)
+ Review session in the evening

Accompanying Reading (B4D): Chp 9+10 (Chp 13 for Thursday)

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