Instructions: Report on a Tool or Database  
BIOL 315  
Fall 2017

Choose a tool or database listed below for this assignment or propose one that you would like to review.

Some of these, we will look at briefly in class so be sure to go beyond the simple exercise we do in class.

1. MINT: http://mint.bio.uniroma2.it/mint/Welcome.do
4. KEGG: http://www.genome.jp/kegg/
5. GOLD: http://genomesonline.org/cgi-bin/GOLD/bin/gold.cgi
6. RDP: http://rdp.cme.msu.edu/
7. Reactome: http://www.reactome.org
11. UCSC’s Microbial Genome Browser: http://microbes.ucsc.edu/
12. Other: propose another tool or database and get it approved by me

In your report, include the following. Be sure to put everything in your own words.

1. A brief summary of what the database/tool can be used for and how this is significant. Do not copy a description provided by the site. This should take about a paragraph (less than half a page).

2. Prepare a tutorial for how to use some major aspects of the database/tool. The best tutorial will provide examples to walk the reader through the various steps. Since the complexity of each database/tool will be different, as a rule of thumb include a minimum of 20 steps. You should include screenshots of various steps to guide someone through the tutorial.

3. Prepare a Glossary/Description of terms that are pertinent to the site. This should include any terms that are encountered in the tutorial and any others that are key to understanding the database/tool. Include a minimum of 5 terms.

4. Extra credit will be awarded for outstanding tutorials that may be useful for other students wanting to learn how to use this database/tool.