Final Annotation

Objective

The objective of this exercise is to:

1. Use data that has been collected to suggest and annotation for your gene.

Procedures

1. You should review the data collected in modules 1-9 and come to a conclusion of one of the following:

   1.1. The annotation of the gene under investigation is correct as called by the computer

   1.2. The annotation of the gene under investigation as called by the computer is incorrect and should be changed.

2. The questions to ask yourself while selecting a gene product name are:

   2.1. What were the names of the top BLAST hits?

   2.2. What were the names of the COG hits?

   2.3. What were the names of the TIGRfam hits?

   2.4. What were the names of the Pfam hits?

   2.5. What was the accepted name of the enzyme (if it was an enzyme)?

3. Take the answers to each of these into account, and try to find which of the names given to the same gene most accurately summarizes the names predicted by all of the searches.

4. Summarize the reasoning used to make your choice. In the event that that you feel the annotation should be changed, provide a detailed rationale for coming to you conclusion. Cite specific findings from your notebook (and their interpretation) to support your conclusion.