Gene Annotation Project
Practice Evidence Page

Each letter corresponds to the same letter in Activity I

Part 1.
A. Paste screen capture of directory: drosophila_erecta/dot_chromosome.
B. Paste screen capture of D. erecta Genome Browser Gateway with selected contig showing in the search or position search window.
C. Paste screen capture of Genome Browser showing BLASTX Alignment and gene models.
   List the BLASTX Alignment proteins [proteins in black boxes] that are very similar to D. melanogaster proteins:
   List the protein [which also the name of the gene] that you have selected to annotate: [Note, you will need this information for part F.]
D. Paste screen capture of Genome Browser DNA. Paste a screen capture that shows part of the DNA sequence.
E. Paste screen capture of BLASTX page with sequence entered in query box.
F. Paste screen capture of Gene Record Finder that shows the gene details and mRNA details of your selected gene.
G. Paste screen capture of Gene Record Finder of the polypeptide details of your selected gene.
   List the isoforms found for your gene [found in the left hand column]:
H. Paste screen capture of the amino acid sequence of exon 1.
I. Paste screen capture of the BLASTX page that has the Query nucleotide sequence [top window] and the Subject amino acid sequence [bottom window].
J. Paste screen capture of the BLASTX results that shows the Graphic Summary.
K. Paste screen capture of the Alignments section of the BLASTX results that shows a block with an acceptable E value [and the amino acid sequence of exon 1 of the first isoform for your gene.

Part II.
Prepare a comparable list of instructions for Activity II.