

Exercise 1.

Find human insulin protein sequence from NCBI.

You should be able to retrieve the record AAH05255.

Take entire sequence and run a protein-protein BLAST search and a protein-protein FASTA search against SWISSPROT.

What happens? Explain the results.

Can you make the FASTA search produce results by changing a flag? Now compare the results. Are they the same? Is the results expected?

Click on the sequences and describe what you notice.

HW Problems

Page 222 – Question 1

Page 276 – Questions 1 and 3

Turn answers to Exercise 1 and the HW problems.