Sequence Analysis and Database Display

Use NCBI database to answer the following questions:

1) Retrieve all records of cancer except those from BRACA1 mutations. Which database returns the highest number of hits?

2) How many articles published on Arabian camel?

3) What happen if you search only for camel?

4) How many articles published from King Saud University in 2009?

5) Search for the largest Factor IX (Factor 9) mRNA in Bos taurus.

6) Retrieve the mRNA transcript for the human Factor IX gene.

7) How many base pair does it contain?

8) What are the main functions of this gene?

9) What is the accession number for the human Factor IX mRNA sequence?

10) How many times was the record updated?

11) What is the location of the CDS?

12) Using the GeneBank accession number "NM_000133" , Get the mRNA transcript sequane of the Factor IX gene.

13) Locate the protein coding region by underlining the initiation codon and the stop codon.

14) Get the amino acid sequence of the above coding sequence.