

Name:

Date:

### Intro to Bioinformatics - HW4

- A) Review the PECAAN video (E360)
- B) PECAAN website <http://discover.kbrinsgd.org/>
- C) Login to PECAAN (www. using your userID/password.
- D) We are going to start with the phage Sloopjoe – so type “Sloopjoe” in the Summary box to bring it up.

#### QUESTIONS

- 1) How many genes are in Sloopjoe?
- 2) What cluster does the phage belong to?

**Choose the gene which is the same number as your birthday and answer the following questions.**

State your birthday ie just the DAY (ex 24):

- 3) What is the start called by Glimmer?
- 4) What is the start called by Genemark?
- 5) What are the stop coordinates?
- 6) How many possible starts does your gene have?
- 7) What is the length of the gene called by Glimmer?
- 8) What is the gap with the previous gene?
- 9) What start codon was used for the start of the gene?
- 10) Does the start called by Glimmer give the longest open reading frame ie LORF?