

Eastern Mediterranean University

Faculty of Arts and Sciences

Molecular Biology and Genetics

BIOL312 Practical 2 Questions

- 1- What is an e-value, explain the difference between having a low vs high e-value?
- 2- Should you consider a significant expect value to be 1, 0.05, or 10^{-5} ? Does this depend on the particular search you are doing?
- 3- a. Fill the information in Table 1 with using Unknown Sequence provided below

Table 1: Best match obtained

Accession Number	E-value	Identity	Name

- b. Explain your reasoning for the best match.

Unknown sequence:

TGCAAGGACACCTGCCCCCACTCATGCT
CTACAACCCACACGTACCAGATGGATGTGAACCCCGAGGGCAAATACAGCTTTGGTGCCACCTGCGTG
AAGAAGTGTCCCGTAATTATGTGGTGACAGATCACGGCTCGTGCGTCCGAGCCTGTGGGGCCGACAGCT
ATGAGATGGAGGAAGACGGCGTCCGCAA

Submission Deadline: 10.03.2020, @17:00

Important Note: The lecture will start at 9 am on 9.03.2020, Monday.