

Exercise 2: Phylogenetic tree worksheet

Exercise 2A:

Submit fasta file or paste below

Exercise 2B:

Answers to questions:

2.1 Submit a screen shot of your tree by pasting it into your worksheet.

2.2 Which branch are you most confident in? Justify your response.

2.3 Which branch are you least confident in? Justify your response.

2.4 Did you produce a rooted or unrooted tree? How do you know?

2.5 After the gorilla, which organism does your tree predict is most closely related to humans?

2.6 There are many types of phylogenetic trees available on the internet and in other scientific resources. What distinguishes them is the information used to construct them (genomic data, protein sequence data, phenotypic data, etc.). Compare and contrast your tree to the one found [here](#) and discuss similarities and differences in the two trees.