

Assignment 2

Assignment 2

14 marks total

Download the data associated with this assignment using:

```
$ cd ~
$ wget \
"https://www.bing.com" \
-O assignment_2.tar.gz
$ tar xvzf assignment_2.tar.gz
```

Question 1

10 marks

Question text goes here

Question 2

2 marks

Another question

Question 3

2 marks

A question with an image:



The image shows a screenshot of a GenBank search results page. At the top, there is a header bar with a 'select all' checkbox (checked) and the text '100 sequences selected'. To the right of the header are links for 'GenBank', 'Graphics', 'Distance tree of results', and a 'New MSA Viewer' button. Below the header is a table with the following columns: 'Description', 'Scientific Name', 'Max Score', 'Total Score', 'Query Cover', 'E value', 'Per. Ident', 'Acc. Len', and 'Accession'. The table contains five rows of data, all for 'Mus musculus'. The 'E value' column for all rows is 0.0. The 'Query Cover' for all rows is 100%. The 'Per. Ident' for all rows is 100.00%. The 'Acc. Len' for all rows is 4754. The 'Accession' numbers are XM_006515581.4, XM_006515579.4, XM_006515580.4, NM_011041.3, and AK132404.1. A red box highlights the 'E value', 'Query Cover', and 'Per. Ident' columns for the first three rows.

Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession
<input checked="" type="checkbox"/> PREDICTED: Mus musculus paired box 9 (Pax9), transcript variant X3.mRNA	Mus musculus	4754	4754	100%	0.0	100.00%	4423	XM_006515581.4
<input checked="" type="checkbox"/> PREDICTED: Mus musculus paired box 9 (Pax9), transcript variant X2.mRNA	Mus musculus	4754	4754	100%	0.0	100.00%	4629	XM_006515579.4
<input checked="" type="checkbox"/> PREDICTED: Mus musculus paired box 9 (Pax9), transcript variant X1.mRNA	Mus musculus	4754	4754	100%	0.0	100.00%	4616	XM_006515580.4
<input checked="" type="checkbox"/> Mus musculus paired box 9 (Pax9). mRNA	Mus musculus	4754	4754	100%	0.0	100.00%	4334	NM_011041.3
<input checked="" type="checkbox"/> Mus musculus 14 days embryo liver cDNA, RIKEN full-length enriched library, clone:4432412B16, pro...	Mus musculus	4754	4754	100%	0.0	100.00%	4167	AK132404.1

Figure 1: An image