

## 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

#### Answer

Information for marking

```
Can have text in texinfo blocks
```

```
echo "Or code in bash blocks"
```

### Question 2

2 marks

Another question

#### Answer

Answer info

## Assignment 2

### Question 3

2 marks

A question with an image:

☒ select all 100 sequences selected

[GenBank](#) [Graphics](#) [Distance tree of results](#) [New MSA Viewer](#)

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

Figure 1: An image

### Answer

Information for marking

```
Can have text in texinfo blocks
```

```
echo "Or code in bash blocks"
```

## Assignment 2

An official website of the United States government [Here's how you know](#)

**NIH** National Library of Medicine  
National Center for Biotechnology Information

Gene Home Help

**Gene Advanced Search Builder**

Showing Current items.

\*000000000407\*[Exon Count]

Edit Clear

**Builder**

Exon Count 3 \*000000000407\*[Exon Count] Hide index list

000000000407 (1) Previous 200 Next 200

Refresh index

AND 3 All Fields Show index list

Search or Add to history

**History**

There is no recent history



An official website of the United States government [Here's how you know](#)

**NIH** National Library of Medicine  
National Center for Biotechnology Information

Gene

Gene \*000000000407\*[Exon Count] Search

Create RSS Save search Advanced Help

Full Report ▾ Send to: ▾ Hide sidebar >>

Showing Current items.

**LOC108696888 uncharacterized LOC108696888 [ *Xenopus laevis* (African clawed frog) ]**

Gene ID: 108696888, updated on 5-Feb-2022

**Download Datasets**

**Summary**

**Gene symbol** LOC108696888

**Gene description** uncharacterized LOC108696888

**Locus tag** XELAEV\_18036478mg

**See related** [EnsemblRapid: ENSXLAG000005014937](#)

**Gene type** protein coding

**RefSeq status** MODEL

**Organism** [Xenopus laevis](#)

**Lineage** Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Amphibia; Batrachia; Anura; Pipoidae; Pipidae; Xenopodinae; Xenopus; Xenopus

**Try the new Gene table**

**Try the new Transcript table**

**Genomic context**

Location: chromosome: 7L

See LOC108696888 in [Genome Data Viewer](#)

**Table of contents**

- Summary
- Genomic context
- Genomic regions, transcripts, and products
- Bibliography
- General gene information
- Homology
- General protein information
- NCBI Reference Sequences (RefSeq)
- Related sequences
- Additional links

**Genome Browsers**

- Genome Data Viewer
- Ensembl

**Related information**

- BioProjects
- Conserved Domains
- Gene neighbors

Figure 2: An image