

## Assignment 2 (14 marks total)

Download the data associated with this assignment using:

```
$ cd ~  
$ wget \  
"https://www.dropbox.com/scl/fi/q7dwzpa7ydynjp90tk\  
yu/assignment_2.zip?rlkey=jc9qtcem9mvpj5oth27qbmxo\  
y&dl=0" \  
-O assignment_2.zip  
$ unzip assignment_2.zip
```

### Question 1

**10 marks**

Question text goes here

### Question 2

**2 marks**

Another question

### Question 3

**2 marks**

A question with an image:

## Assignment 2

NCBI

Resources

How To

Sign in to NCBI

Gene

Gene

Advanced

Search

Help



### Gene

Gene integrates information from a wide range of species. A record may include nomenclature, Reference Sequences (RefSeqs), maps, pathways, variations, phenotypes, and links to genome-, phenotype-, and locus-specific resources worldwide.

#### Using Gene

- [Gene Quick Start](#)
- [FAQ](#)
- [Download/FTP](#)
- [RefSeq Mailing List](#)
- [Gene News](#)
- [Factsheet](#)

#### Gene Tools

- [Submit GeneRIFs](#)
- [Submit Correction](#)
- [Statistics](#)
- [BLAST](#)
- [Genome Workbench](#)
- [Splign](#)

#### Other Resources

- [OMIM](#)
- [RefSeq](#)
- [RefSeqGene](#)
- [Protein Clusters](#)

### Representative queries

Find genes by...	Search text
free text	<a href="#">human muscular dystrophy</a>
chromosome and symbol	<a href="#">([chr] OR 2[chr]) AND adh*[sym]</a>
partial name and multiple species	<a href="#">alive[prop] AND transporter[title] AND ("Drosophila melanogaster"[orgn] OR "Mus musculus"[orgn])</a>
associated sequence accession	<a href="#">M11313[accn]</a>
gene name (symbol)	<a href="#">BRCA1[sym]</a>
publication (PubMed ID)	<a href="#">11331580[PMID]</a>
Gene Ontology (GO) terms or identifiers	<a href="#">"cell adhesion"[GO]</a> <a href="#">10030[GO]</a>
genes with short variants of medical interest	<a href="#">"clinvar.gene specific"[Filter]</a>
chromosome and species	<a href="#">Y[CHR] AND human[ORGN]</a>
Enzyme Commission (EC) numbers	<a href="#">1.9.3.1[EC]</a>

Figure 1: An image