

Assignment 2 (14 marks total)

Download the data associated with this assignment using:

```
$ cd ~  
$ wget \  
[DATA_DOWNLOAD_LINK] \  
-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

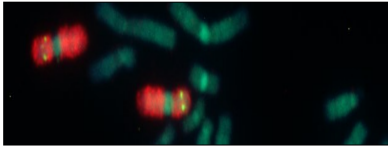
Gene

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

Figure 1: An image

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