

## Assignment 2

### Question 3

2 marks

A question with an image:

| Find genes by...                              | Search text  |
|---|--|
| free text                                     | <a href="#">human muscular dystrophy</a>   |
| chromosome and symbol                         | <a href="#">(ll[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><br><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

Answer

Information for marking

Can have text in texinfo blocks

## Assignment 2

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

NCBI Resources How To Sign in to NCBI

Gene Gene ((Bos taurus[Organism]) AND 13[Chromosome]) AND 47039937:47060168[Base Position] Search

Create RSS Save search Advanced Help

Full Report Send to: Hide sidebar >>

Showing Current items.

**PRNP prion protein [ *Bos taurus* (cattle) ]** Download Datasets

Gene ID: 281427, updated on 12-Feb-2021

**Summary**

**Official Symbol** PRNP provided by [VGNC](#)

**Official Full Name** prion protein provided by [VGNC](#)

**Primary source** [VGNC:VGNC:33356](#)

**See related** [BGD:BT10271](#)

**Gene type** protein coding

**RefSeq status** VALIDATED

**Organism** [Bos taurus](#)

**Lineage** Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Artiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos

**Also known as** PrP; prn; AltPrP

**Orthologs** [human](#) [mouse](#) [all](#)

**NEW** Try the new [Gene table](#)

Try the new [Transcript table](#)

**Genomic context**

Location: chromosome: 13 See PRNP in [Genome Data Viewer](#)

Exon count: 3

| Annotation release  | Status            | Assembly   | Chr | Location                         |
|---------------------|-------------------|--|-----|----------------------------------|
| <a href="#">106</a> | current           | ARS-UCD1.2 ( <a href="#">GCF_002263795.1</a> )           | 13  | NC_037340.1 (47039937..47060168) |
| <a href="#">105</a> | previous assembly | Bos_taurus_UMD_3.1.1 ( <a href="#">GCF_000003055.6</a> ) | 13  | AC_000170.1 (47400392..47418507) |

**Chromosome 13 - NC\_037340.1**

[ 46527492 ] [ 47198189 ]

DIP2C LOC112449447 ZNF7011 PRNP PRND

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Figure 2: An image