

I. Barley genome browser tutorials

1. The genome browsers can be accessed using the following link

<http://database.barleypangenome.com/barley76/>

2. First, select the genome from the dropdown list

Morex version 3 (default)
Morex version 3 (default)
10TJ18
Aizu 6
Akashinriki
Barke
Bonus

3. Select the chromosome you'd like to view then "Open"

Morex version 3 (default)

Assembly

Morex_V3

Select assembly to view

chr1H

chr1H
chr2H
chr3H
chr4H
chr5H
chr6H
chr7H
CAJHDD010000001.1
CAJHDD010000002.1
CAJHDD010000003.1
CAJHDD010000004.1
CAJHDD010000005.1

OPEN

SHOW ALL REGIONS IN ASSEMBLY

Assembly

Morex_V3

Select assembly to view

chr1H

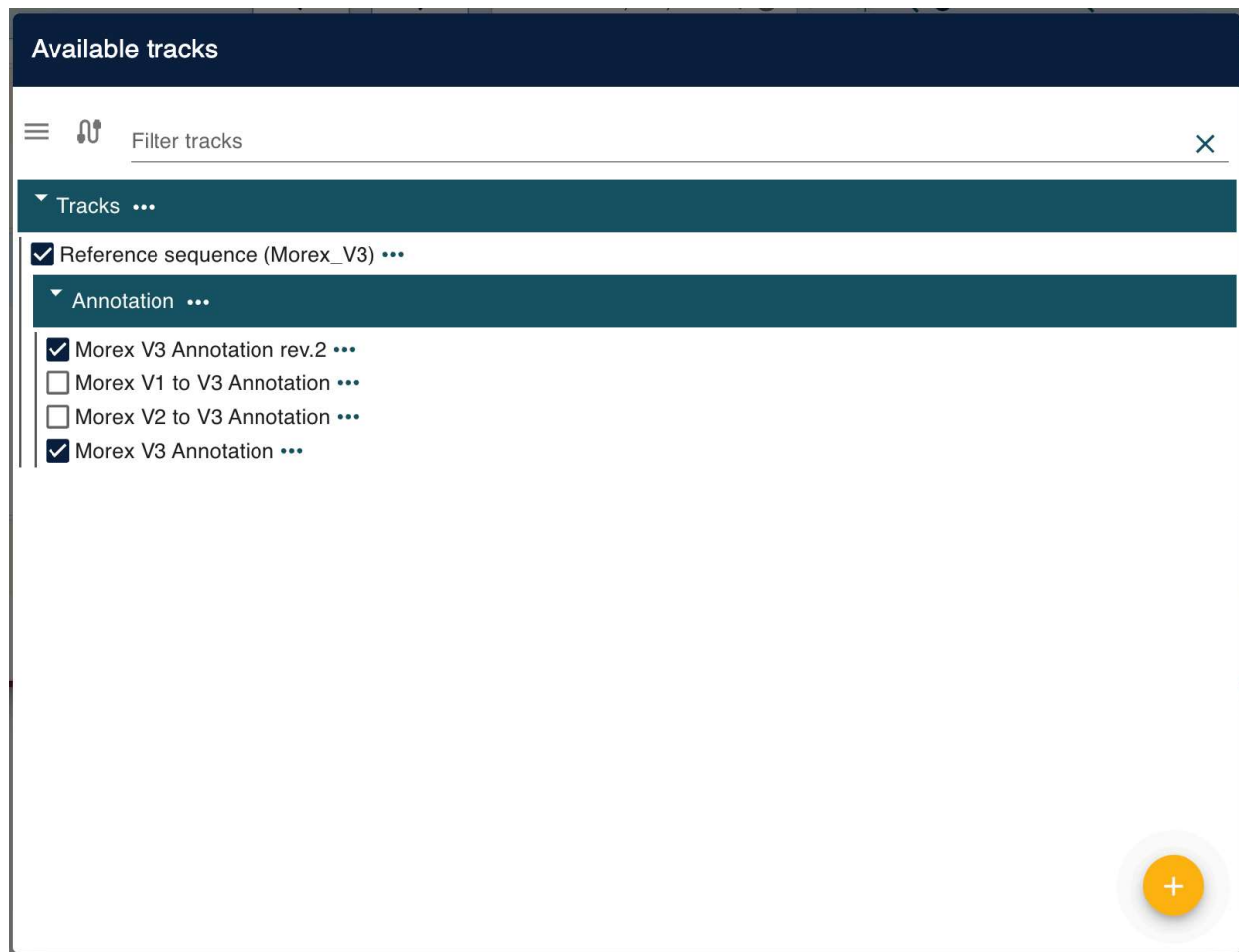
Enter sequence name, feature name, or location

OPEN

SHOW ALL REGIONS IN ASSEMBLY

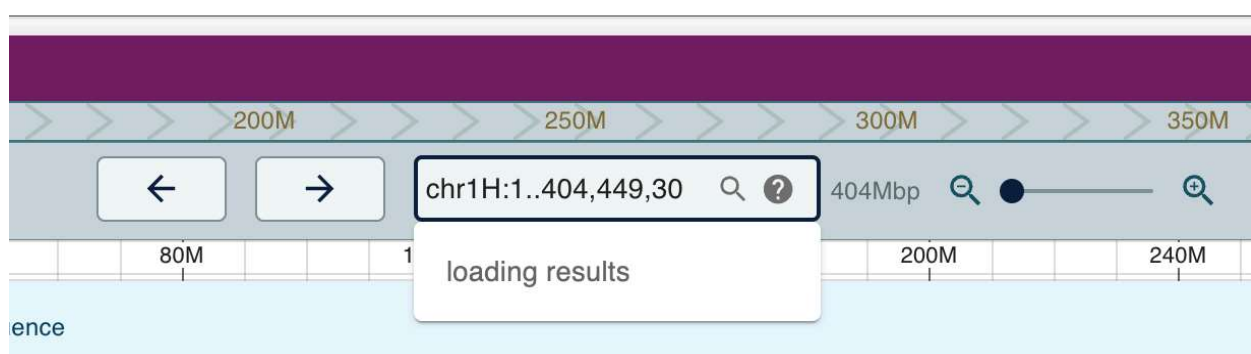
4. Select the tracks using the "Open track selector" button

Note: included are tracks for converting from different annotation versions (e.g. Morex v1 and v2 to v3)

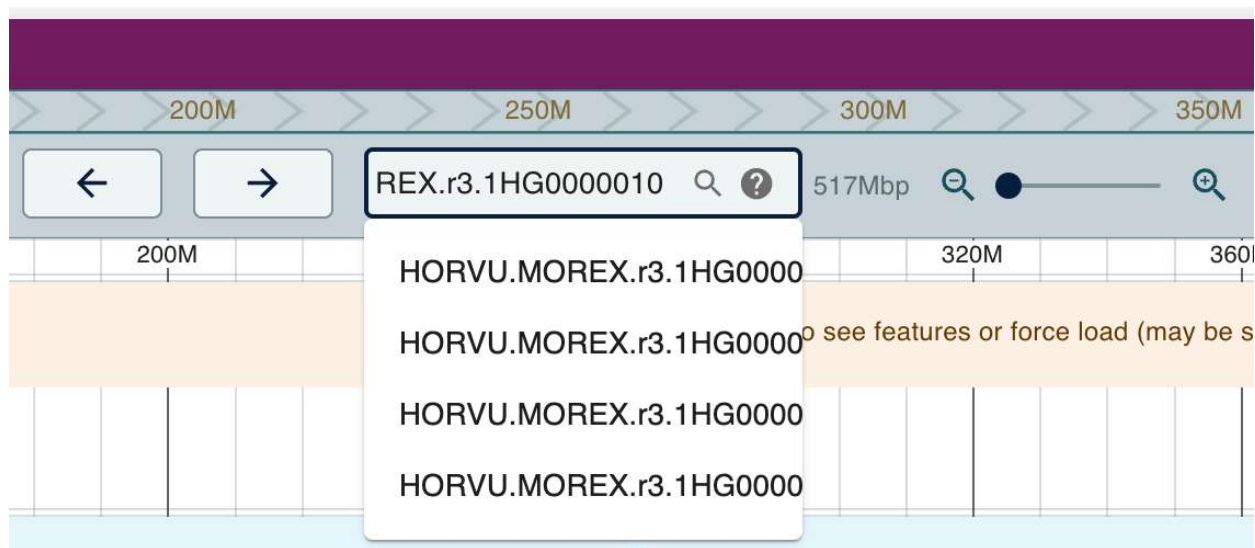


5. You can manually input the region you want to search

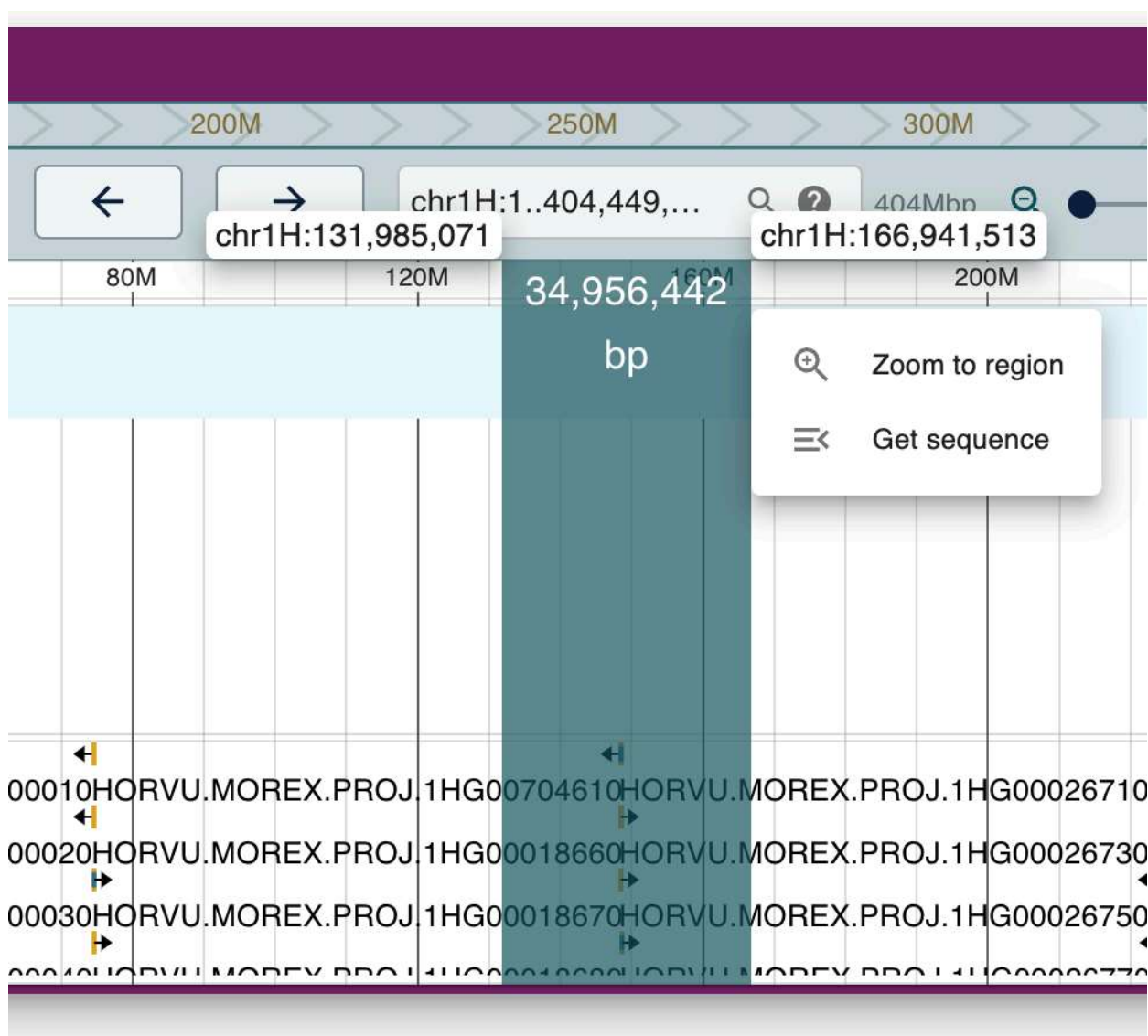
Using the chr1H:123..456 format



****Or search using Gene ID (need to make functional and update) ****



Select the region manually and zoom in



6. Obtain gene sequences

Gene sequences can be obtained by clicking in the gene annotation



Then select the type of sequence you want to get, then hit "Copy as plaintext"

Feature details

HORVU.MOREX.PROJ.1HG... - GENE

Core details

Position

chr1H:148,003,756..148,004,441 (-)

Length

686

Type

gene

Attributes

source

PGSBproj

phase

0

id

HORVU.MOREX.PROJ.1HG00706590

method

projection

confidence

high

tag

predicted_gene

cDNA

COPY AS PLAINTEXT

COPY AS HTML

Gene w/ introns

Gene w/ 10bp of intron

Gene w/ 500bp up+down stream

Gene w/ 500bp up+down stream w/ 10bp intron

cDNA

5590-cdna

7. Reference genome bases view

Individual base-pair can be view by zooming in the reference tracks

