I. Oat genome browser tutorials
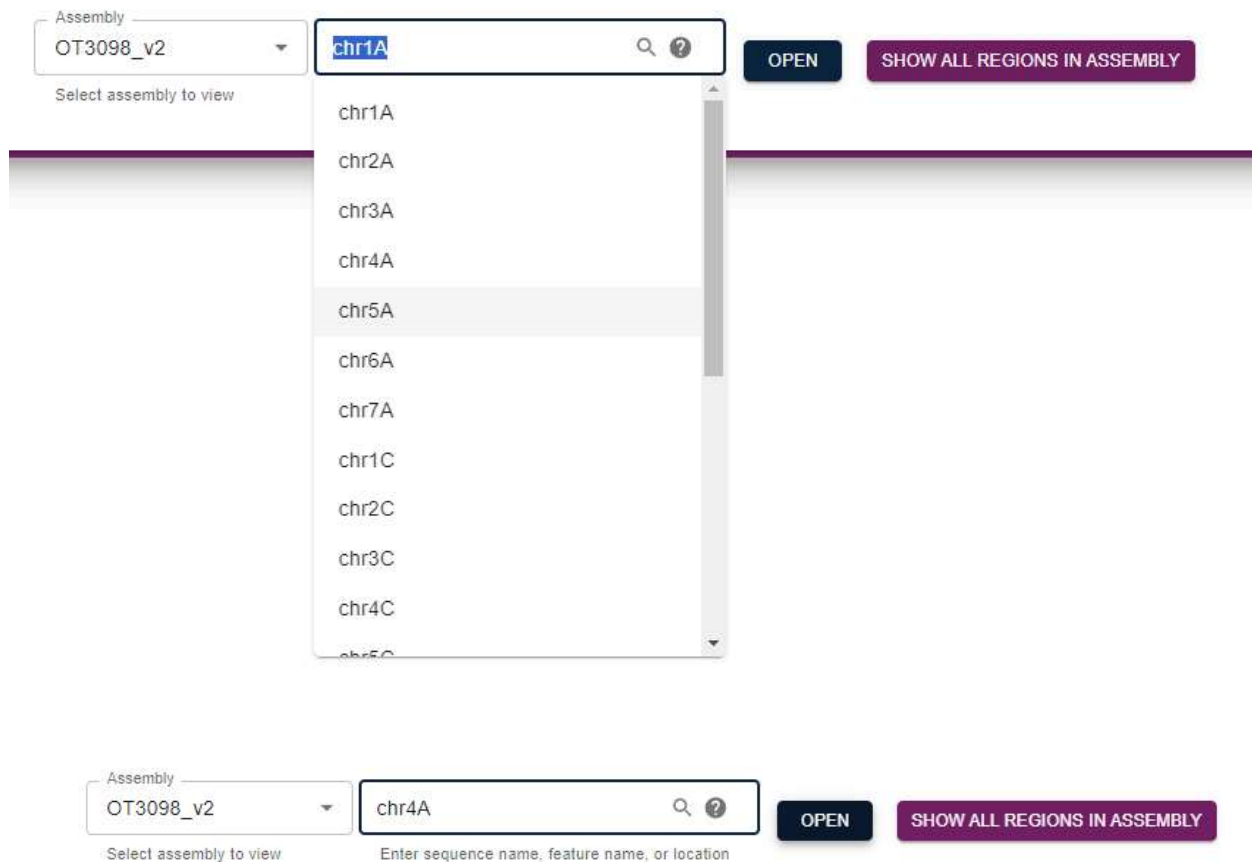
1. The genome browsers can be accessed using the following link
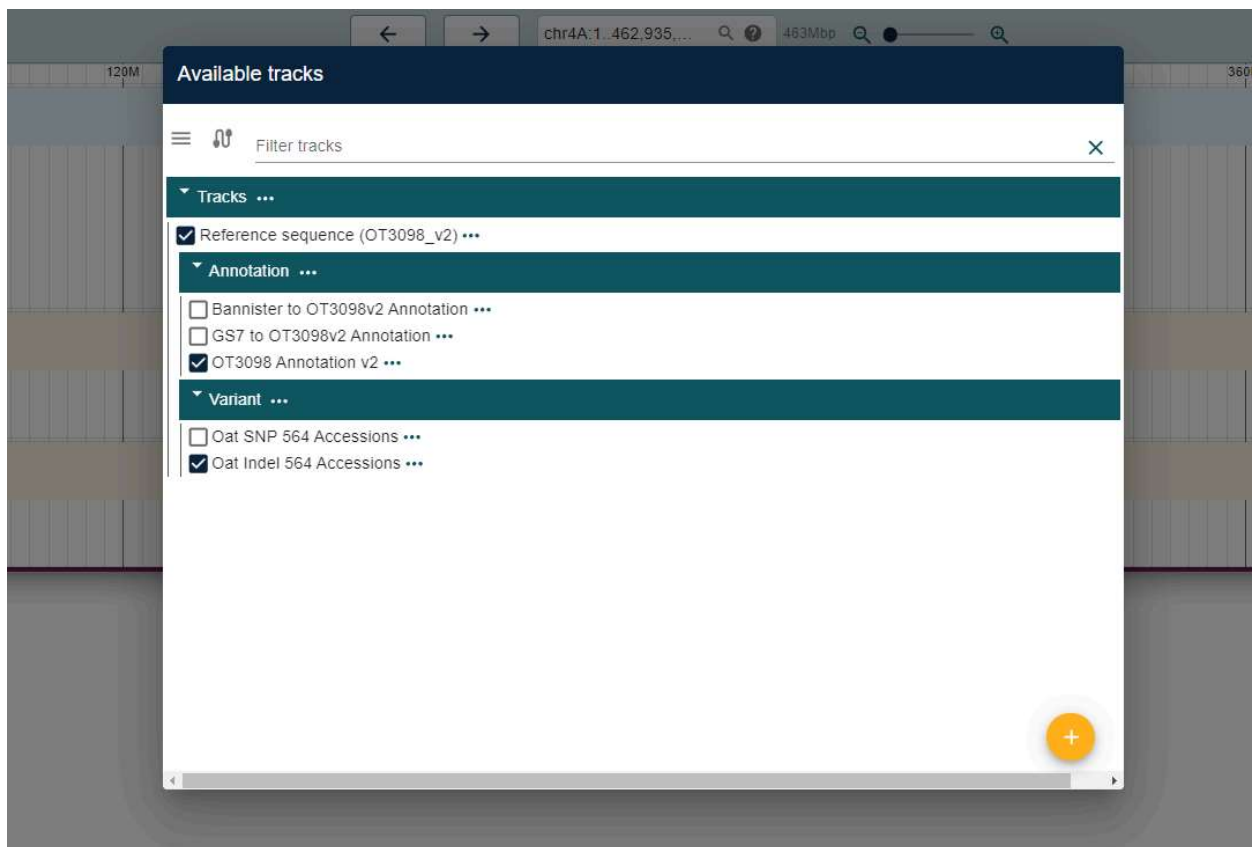
http://database.oatpangenome.com/jbrowse/

2. First, select the genome from the dropdown list
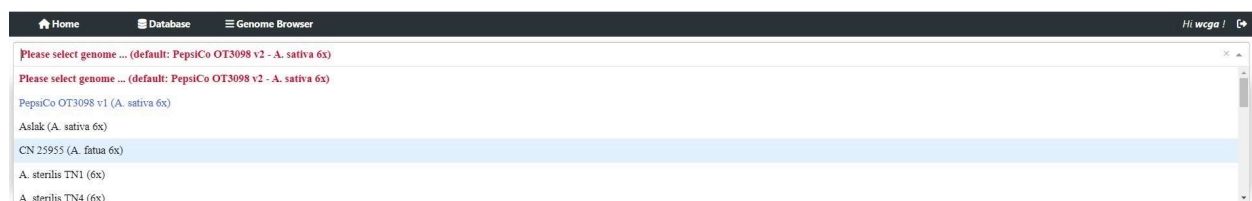
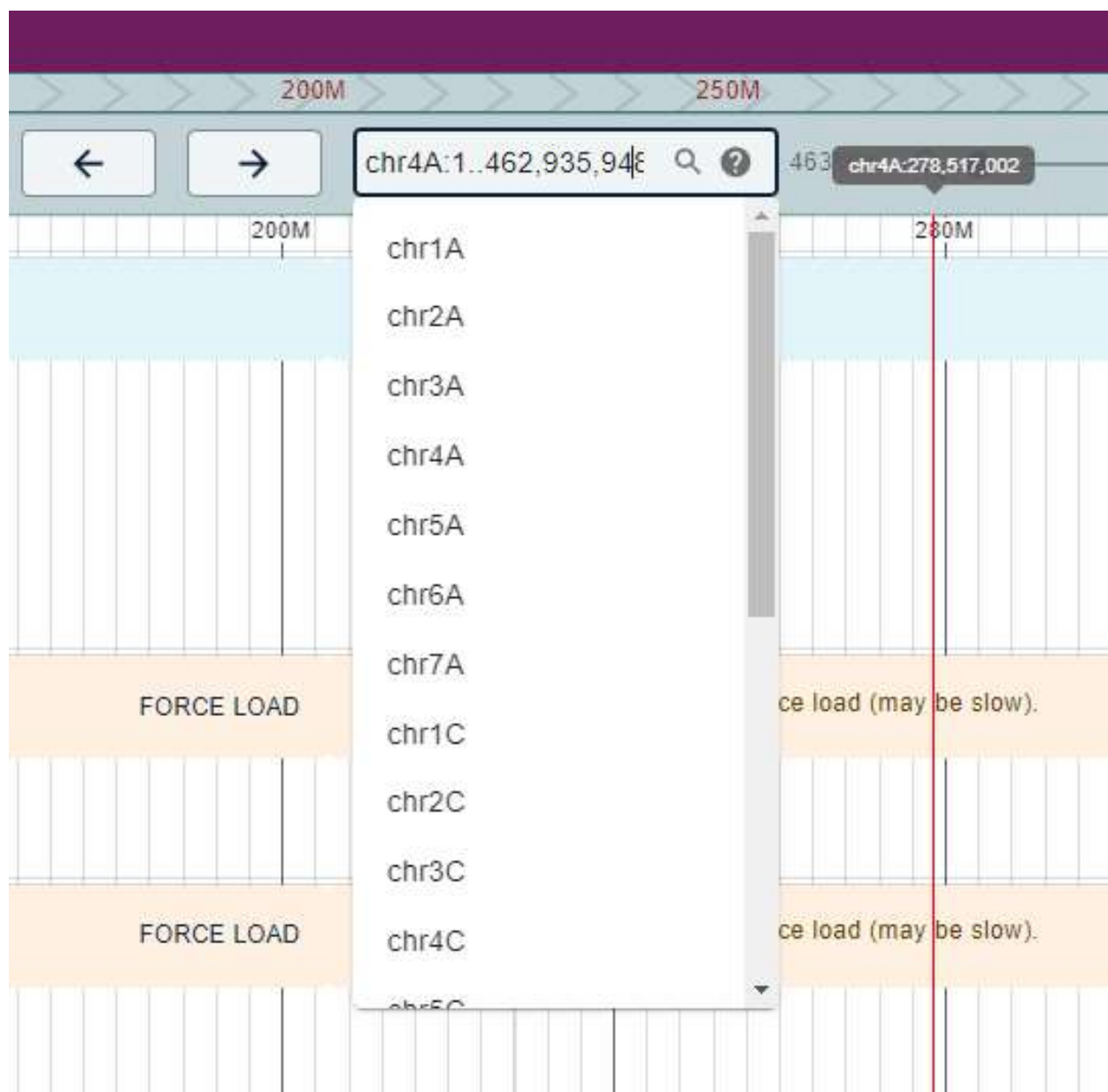## 3. Select the chromosome you'd like to view then "Open"

4. Select the tracks using the "Open track selector" button
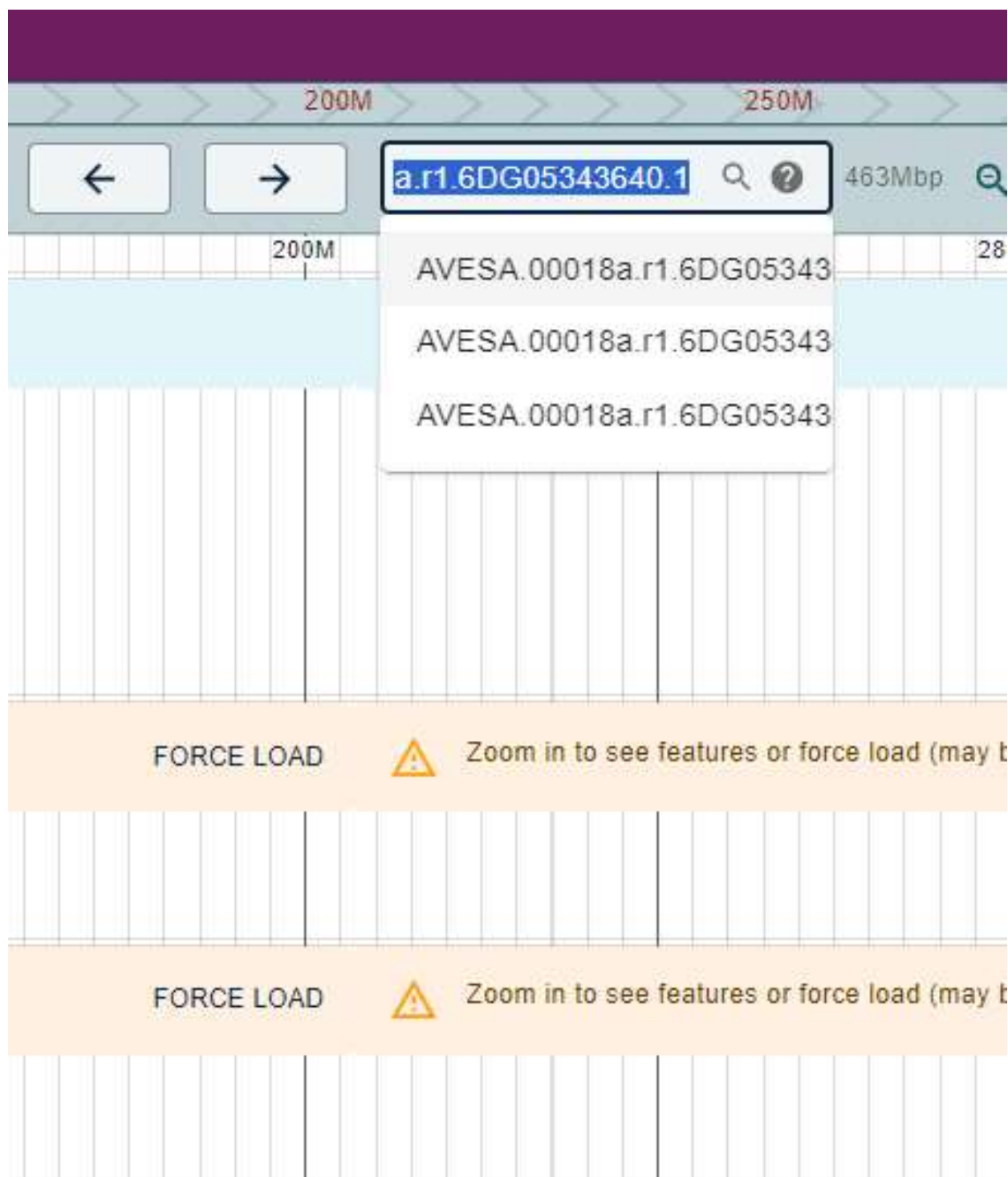
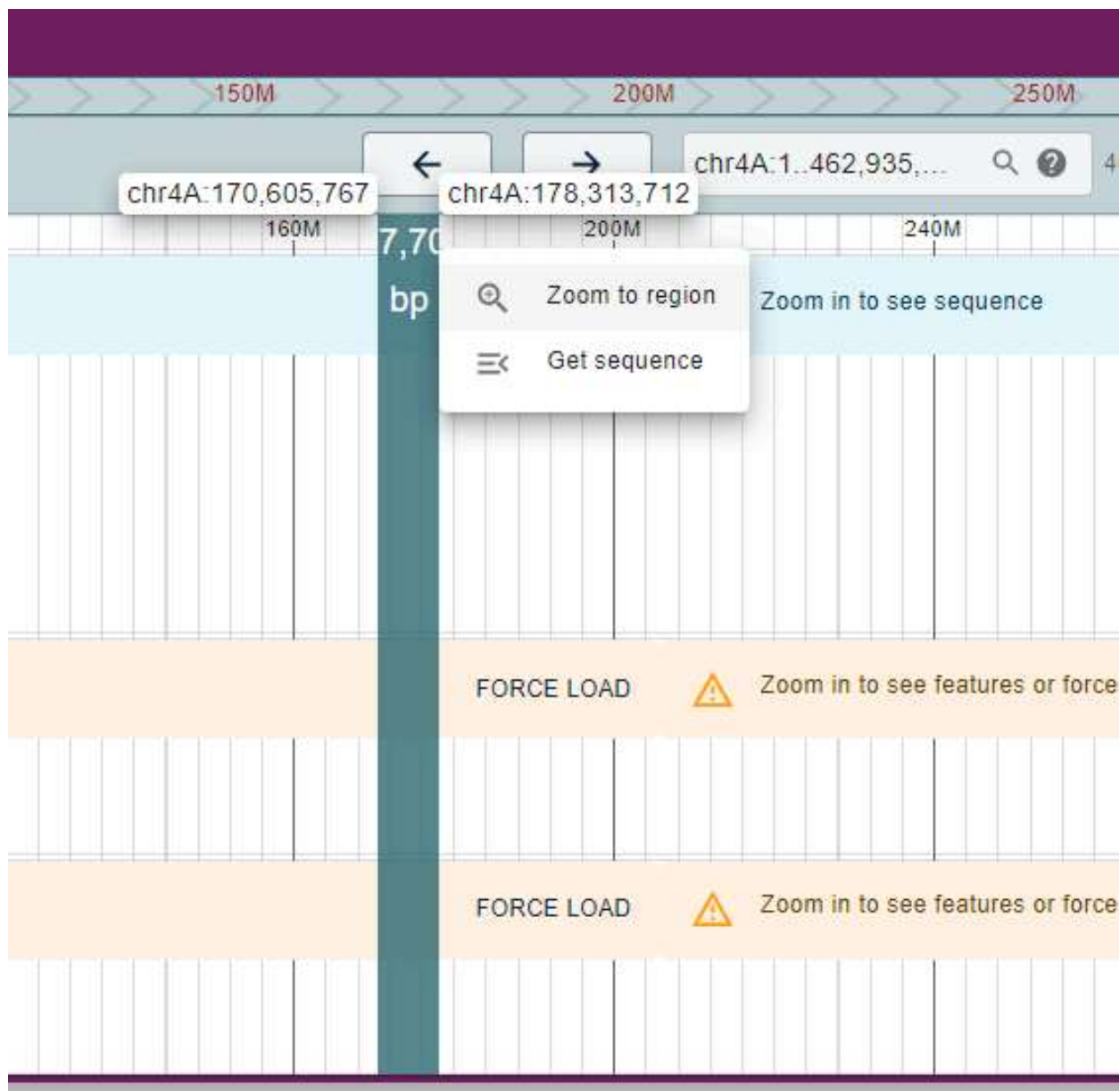# 5. You can manually input the region you want to search

Using the chr1A:123..456 format

Or search using Gene ID *Currently, GeneID of OT3098, GS7 and Bannister is supported for the OT3098v2 browser*
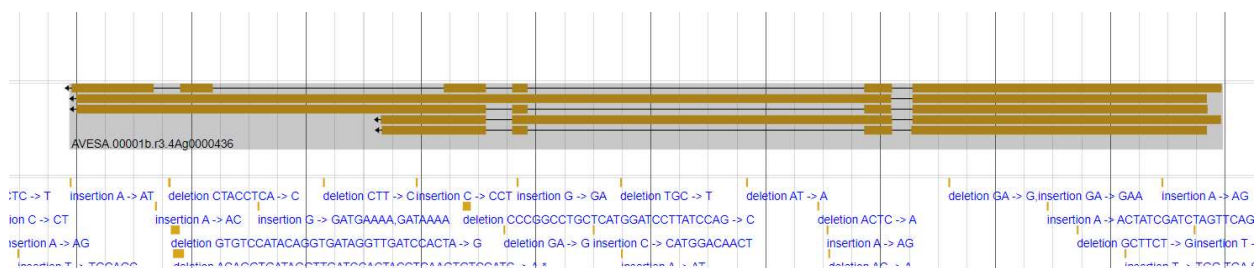
Select the region manually and zoom in

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"

7. Reference genome bases view

Individual base-pair can be view by zooming in the reference tracks
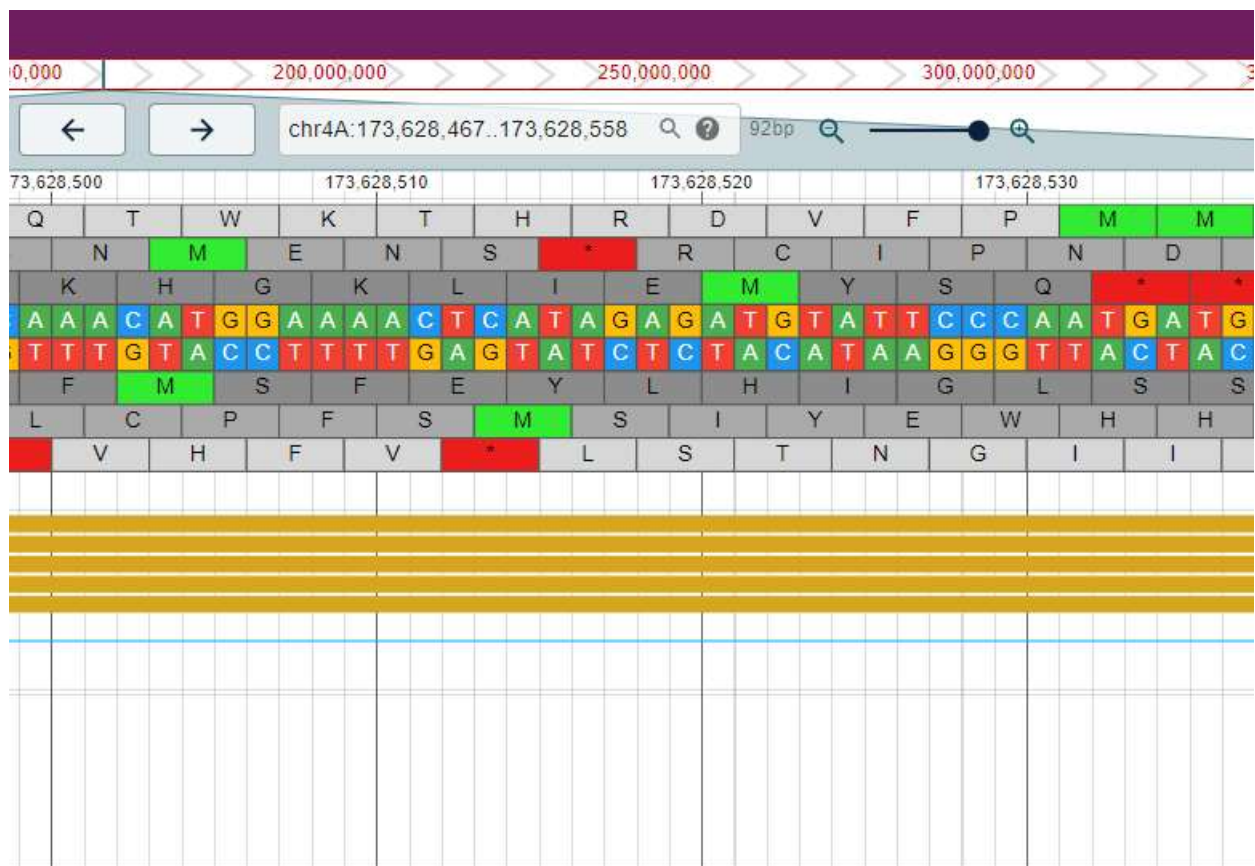
8. Genetic variants view

Genetic variants, including SNP and Indel, can be view by clicking on the variant positions