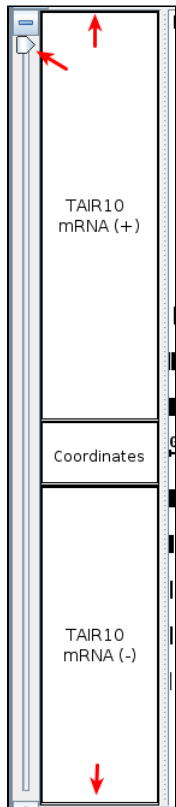# Navigation

General Function Checklist

Loading Default Tracks

1. Open **A_thaliana_Jun_2009**.
2. Navigate to: **Chr1:415,078-418,010**


- The X and Y zoomers are completely zoomed out, and the loaded tracks consume all of the available vertical space.

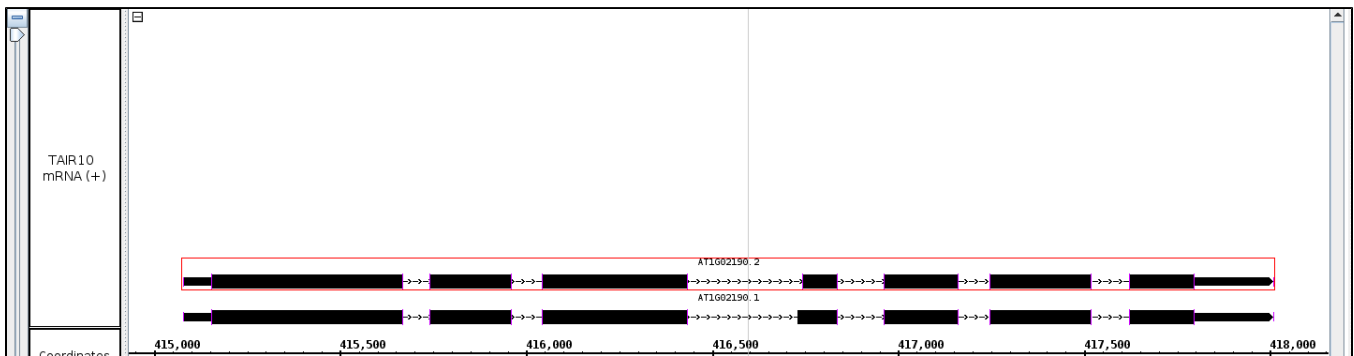- [ ] Mac

- [ ] Linux

- [ ] Windows

Zoom in by click and dragging across the coordinates (Note that the screenshot is missing the mouse cursor). The blue highlighted area represents the area created by dragging the cursor.
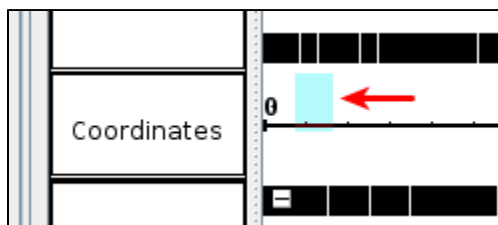
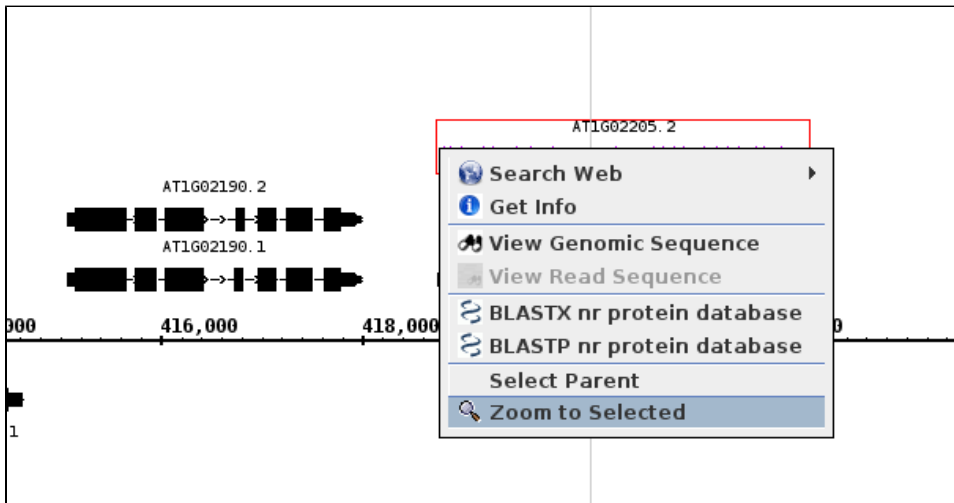Adjust the zoom such that multiple gene models are in view
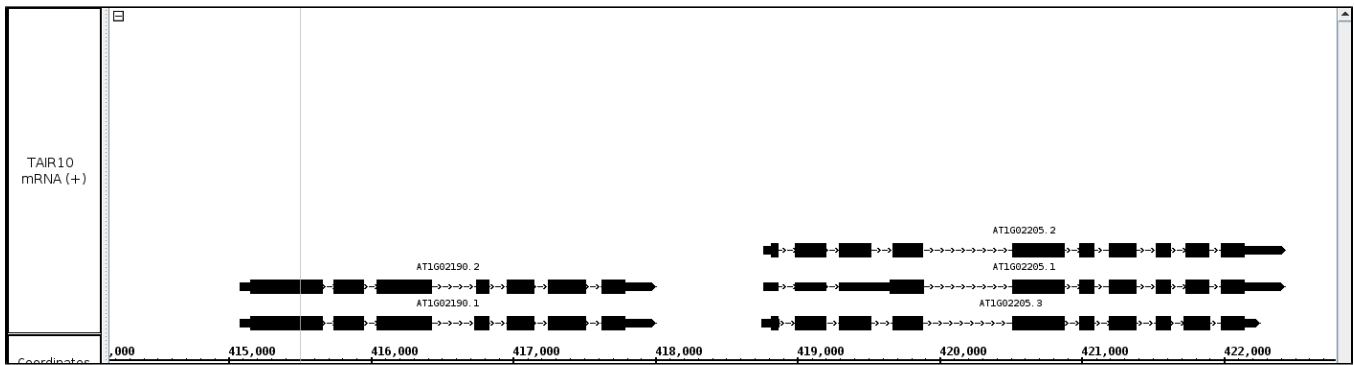
Double click on the barb wire region of a gene model.

- The view zoomed to fit the selected gene model.

☐ Mac

☐ Linux

☐ Windows

1. Zoom back out to view multiple gene models
2. Right click on a different gene model.

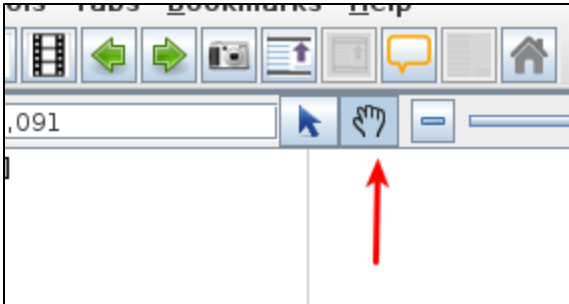- The menu that pops up looks like the above picture.

☐ Mac

☐ Linux

☐ Windows

Select **Zoom to Selected**.

- The view zoomed to fit the selected gene model.

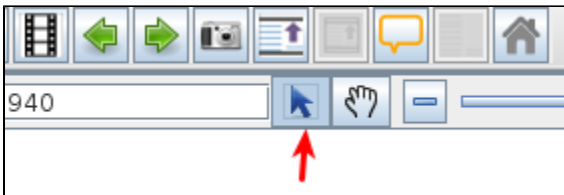- [ ] Mac
- [ ] Linux
- [ ] Windows

1. Zoom slightly out in both the X and Y direction.
2. Select the **Hand Grab** tool.
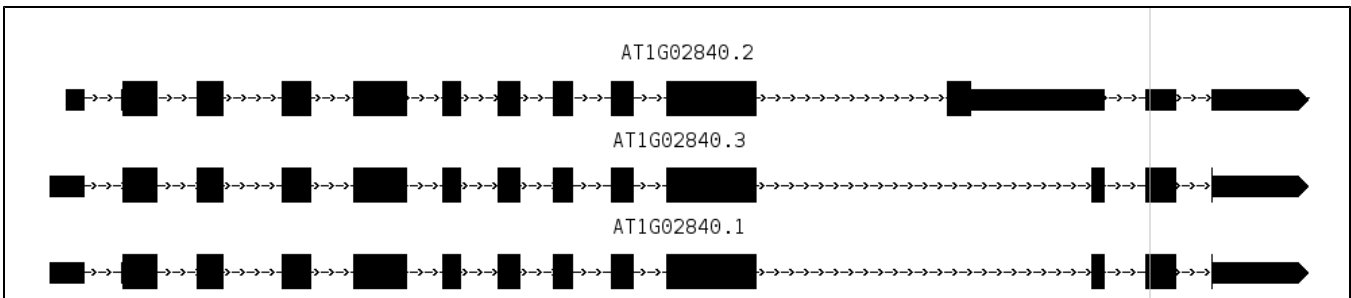3. Click and drag anywhere in the track view.

- The panel scrolls in the direction of the cursor.

- [ ] Mac
- [ ] Linux
- [ ] Windows

Select the **Selection** Tool.

Go to a group of gene models that are stacked.

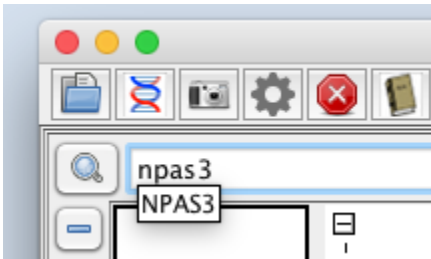Click and drag across the gene models.

- All of the gene models are selected.

- [ ] Mac
- [ ] Linux
- [ ] Windows

Open the **H_Sapiens_Dec_2013** genome.

Type **npas3** into the Quick search box (Quick search should NOT be case sensitive).

- **NPAS3** is suggested in the Quick search drop-down menu.

- [ ] Mac
- [ ] Linux
- [ ] Windows
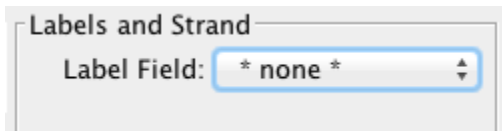
Press enter to navigate to the **NPAS3** gene.

title NPAS3
id NM_173159
description neuronal PAS
domain protein 3
----
start 32,939,252
end 33,804,176
length 864,924
strand +
cds start 32,939,316
cds end 33,801,109
chromosome chr14
----
score 0.0
forward true

- IGB has navigated to the correct gene.

☐ Mac

☐ Linux

☐ Windows

1. With one of the tracks selected, set the **Label Field** to ***none*** in the **Annotation** tab at the bottom of IGB.
2. Navigate to: **chr14:71,900,723-72,598,235**

Labels and Strand

Label Field: * none * ⬍

- Zooming in on this large gene did not cause IGB to freeze**.**

☐ Mac

☐ Linux

☐ Windows

1. Navigate to the **NPAS3** gene.
2. Use the horizontal zoom slider to zoom into the NPAS3 gene as far as you can possibly zoom.
3. Zoom out completely and then zoom in again.
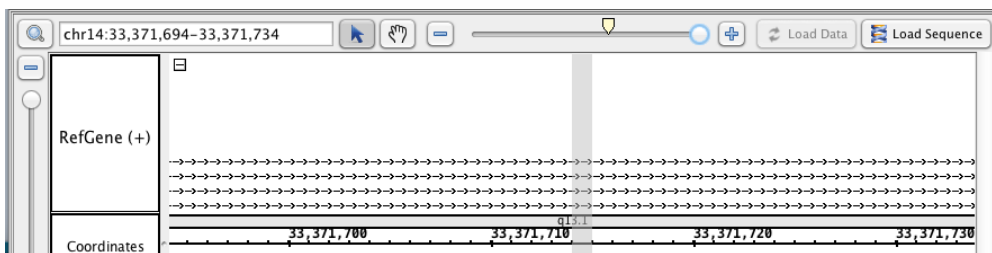
- IGB has not frozen during the zooming process.

☐ Mac

☐ Linux

☐ Windows

Use the **Current Genome** tab on the right of IGB to navigate to **chr7**.

(455) Seq...	Length
chr1	2489564...
chr2	2421935...
chr3	1982955...
chr4	1902145...
chr5	1815382...
chr6	1708059...
chr7	1593459...
chrX	1560408...
chr8	1451386...
chr9	1383947...
chr11	1350866...
chr10	1337974...
chr12	1332753...
chr13	1143643...
chr14	1070437...
chr15	1019911...
chr16	90338345
chr17	83257441
chr18	80373285
chr20	64444167
chr19	58617616
chrY	57227415
chr22	50818468
chr21	46709983

Species — Homo sapiens

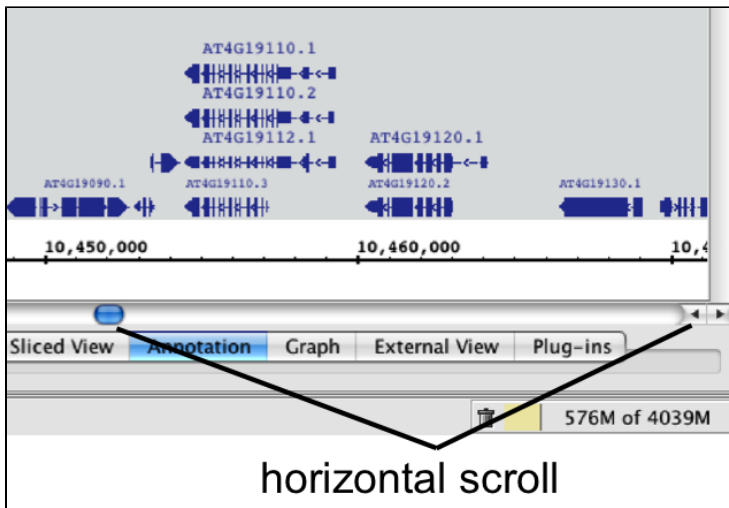Genome Version — H_sapiens_Dec...

Current Genome | Bookmarks | Restriction Sites

chr7:0−159,345,973

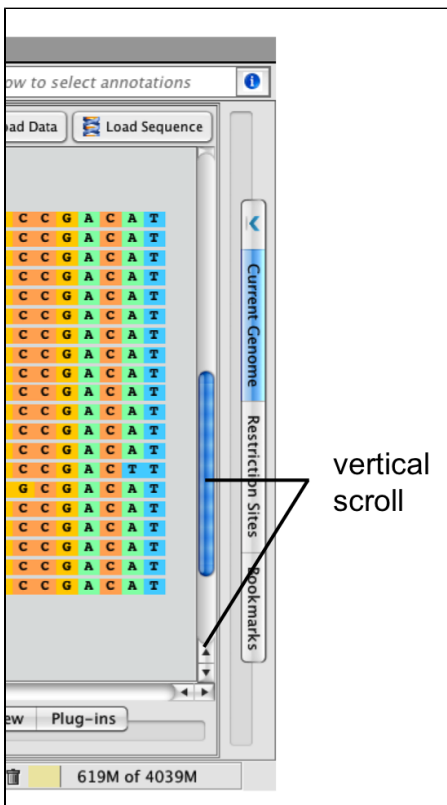- IGB has correctly navigated to Chromosome 7.

☐ Mac

☐ Linux

☐ Windows

Check that the display can be panned using the following objects:

horizontal scroll

- Horizontal scroll bar

☐ Mac
☐ Linux
☐ Windows

vertical scroll

- Vertical scroll bar

☐ Mac
☐ Linux
☐ Windows

- Arrow toolbar shortcuts

☐ Mac

☐ Linux

☐ Windows
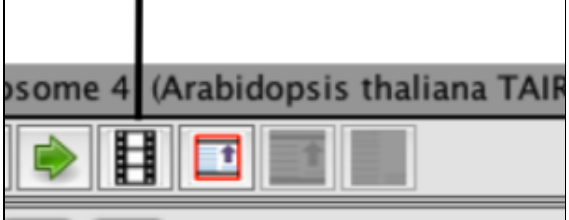
- Auto Scroll

☐ Mac

☐ Linux

☐ Windows