

Exploring the new Ensembl Genome Browser to retrieve genomic data

Thursday, 7th November 2024

helpdesk@ensembl.org

Welcome to the *Living Document* for this Ensembl Browser workshop. Everyone who is registered for the course has access to edit this document. Please feel free to use this document to ask questions to the Ensembl team throughout the workshop. If you wish to ask questions privately, please do not hesitate to contact the [Ensembl Helpdesk](#).

The *Living Document* is a great way of capturing the knowledge exchanged during the course and saving it for future use by yourselves and those who can't attend this course. Remember - you don't have to contribute, but any additions will be welcomed!

The course learning outcomes are:

- Access the main data types through the new Ensembl web browser platform: genomes, genes and genetic variation.
- View genomic regions and manipulate the view to add features.
- Explore information about genes and their sequences.
- Analyse genomic variants and associated phenotypes.

Course Overview

Agenda

Thursday, 7th June 2024

10:00 – 11:30 (ET)	Introduction to the new Ensembl genome browser
11:30 – 12:00 (ET)	Break
12:00 – 13:30 (ET)	Practical
13:30 – 14:00 (ET)	Q&A, feedback and wrap-up

Trainers

[Louisse Paola Mirabueno](#), [Jorge Batista da Rocha](#) and [Juan Pablo Narváez Gómez](#)

Demo, exercises and slides available to download

https://training.ensembl.org/events/2024/2024-11-07-ISCB_betaBrowser

Slido poll

<https://app.sli.do/event/uXdb3VrUgGTeL49ZmwHWDU>


Feedback survey

<https://forms.gle/bK9prah3neW4boAi8>

We would really appreciate it if you could share your thoughts with us regarding these sessions. We are interested in your opinions, how you feel the experience has benefited you and how it could be improved. If you could find a few minutes to complete a short survey at the end of the last session it would really help us in improving the training we can deliver.

The golden rules for efficient online training

We suggest everyone follows these few simple rules for the course to run as smoothly as possible:

- Mute all your microphones to reduce the background noise - only unmute when asking a question
- If you have questions during the course, either:
 - Unmute yourself and ask questions out loud
 - Type your question in this shared reference document. Avoid typing in the Zoom chat as it is difficult to keep track of questions there
- When you are ready to move on from a practical/exercises please click the  button so that the tutor knows you are ready and can proceed with the course. Please remember there are more exercises than we have time for. You are not expected to complete all of them, but rather pick and choose the ones most relevant to your work and you are welcome to finish them in your own time.

Questions

If you have any questions/problems that you would like to share and apply to the whole class please add them below.

Write your **question** after the last one you can see in this document (you can add any screenshots if you think it might help. We will **answer** your question underneath.

1. **Q:**

A:

2. **Q:**

A:

3. **Q:**

A:

4. **Q:**

A:

5. **Q:**

A:

6. **Q:**

A:

7. **Q:**

A:

8. **Q:**

A:

9. **Q:**

A:

10. **Q:**

A:

11. **Q:**

A:

12. **Q:**

A:



13. Q:

A:

14. Q:

A:

15. Q:

A:

16. Q:

A:

17. Q:

A:

18. Q:

A:

19. Q:

A:

20. Q:

A:

Resources

This section of the *Living Document* provides additional resources that might be useful to you in developing skills and knowledge in the course topic area.

Helpful websites

beta.ensembl.org - The new Ensembl genome browser (Beta)

www.ensembl.org - Ensembl genome browser (chordates)

grch37.ensembl.org - Ensembl archive for browsing data associated with the human GRCh37 genome assembly

www.ensemblgenomes.org - Ensembl Genomes genome browser (non-chordates)

www.ebi.ac.uk - EMBL-EBI website

www.ebi.ac.uk/services - EMBL-EBI databases and tools

Train online

EMBL-EBI provides an e-learning platform called [On-demand training](#). The platform provides free courses on Europe's most widely used data resources, created by experts at EMBL-EBI and collaborating institutes. You do not need to have any previous experience in bioinformatics to benefit from this training. We want to help you to become a confident user of our data resources; we are not trying to train you to become a bioinformatician.

Tutorials of interest might include:

- [Ensembl: Quick Tour](#)
- [Ensembl: Browsing Genomes](#)
- [Ensembl Genomes \(non-chordates\): Quick Tour](#)
- [Ensembl REST API](#)

Webinar series

The EMBL-EBI training team also runs a regular [webinar series](#) featuring the EBI resources. Visit [EMBL-EBI Training](#) for more information. You can also catch up on any webinars that you might have missed in the [EMBL-EBI Training portal](#) or on [YouTube](#).