

Introduction to the Ensembl Genome Browser

Bioinformatics Horizons, Bucharest, Romania
2 April 2025

helpdesk@ensembl.org

Wifi: BH25

Password: Horizon2025

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](mailto:helpdesk@ensembl.org).

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 Ensembl web browser platform: genomes, genes, genetic variation, regulatory features and comparative genomics.
- View genomic regions and manipulate the view to add features.
- Explore information about genes and their sequences.

Course Overview

Agenda

2 April 2025

- Introduction Ensembl
- Exploring genomic regions
- Genes and transcripts
- Variation
- VEP
- Wrap-up

Trainers

[Jorge Batista da Rocha](#)

Demo, exercises and slides available to download

[at https://training.ensembl.org/events/2025/2025-04-02-BioinformaticsHorizons-Browser](https://training.ensembl.org/events/2025/2025-04-02-BioinformaticsHorizons-Browser)

Feedback survey

[Introduction to the Ensembl Genome Browser – Bioinformatics Horizons, Bucharest, Romania Feedback Survey](#)

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.

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:

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

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](#).