

Ensembl Genome Browser

University of Pretoria

04 August 2025

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](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:

- Navigate Ensembl using the web browser platform
- Access main data types in Ensembl: genomes and genes, genetic variants
- View genomic regions and manipulate the view to add features.
- Explore information about genes and their sequences.
- Explore variation data and Variant Effect Predictor (VEP) tool

Course Overview

Trainer

[Aleena Mushtaq Stolworthy](#)

Demo, exercises and slides available to download

<https://training.ensembl.org/events/2025/>

Questions

If you have any questions/problems that you would like to share and are applicable to the whole class please write them below. A tutor will answer your question.

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 [Train online](#). Train online 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 of 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 regular [webinar series](#) featuring the EBI resources. See the [Training pages](#) for more information. You can also catch up on any webinars that you might have missed in [Train online](#) or on [Youtube](#).