Wheat resources in Ensembl Plants

Emily Perry [1]

- DNA & RNA
- Beginner
- 0.5 hour

The wheat genome is large, complicated and arguably the most important genome of all in terms of food security. Join Ensembl Plants [2] to learn more about where the latest IWGSC genome came from, how to explore homoeologues in wheat, along with their orthologues in the progenitor species and understand genetic variation in wheat.

This webinar was recorded on 20 February 2019. It is best viewed in full screen mode using Google Chrome. The slides from this webinar can be downloaded below. The VCF file used in the demonstration can be found here [3].

See the EMBL-EBI training pages for a list of upcoming webinars [4].

This webinar is aimed at individuals who wish to learn more about using Ensembl to explore wheat genes. No prior knowledge of bioinformatics is required, but an undergraduate level understanding of biology would be useful.

Learning objectives:

- List features of Ensembl Plants
- Search for a gene in Ensembl Plants
- Search for a wheat variant in Ensembl Plants
- Use VEP to analyse data from a sequencing experiment

Contributors

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Emily is the Outreach Project Leader for Ensembl: she is responsible for the team that teaches workshops, creates training materials and help pages, manages social media, answers helpdesk queries and aids development of new tools for the resource. Emily started at EMBL-EBI as an Ensembl Outreach Officer in September 2012 and became
the Project Leader in March 2015. Before working at EMBL-EBI, Emily did her PhD in molecular biology at the MRC Human Genetics Unit in Edinburgh, then worked for the University of Edinburgh's SCI-FUN group, touring Scottish secondary schools with an interactive science roadshow.

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Source URL: https://www.ebi.ac.uk/training/online/course/wheat-resources-ensembl-plants

Links
[1] https://www.ebi.ac.uk/training/online/trainers/emily
[3] https://www.ebi.ac.uk/training/online/sites/ebi.ac.uk.training.online/files/wheat.vcf