

I W G S C



International Wheat Genome  
Sequencing Consortium

# IWGSC Webinar Series: Introduction

29 August 2024

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# The International Wheat Genome Sequencing Consortium

COUNTRIES

78



MEMBERS

3,500



SPONSORS

8



INSTITUTES/COMPANIES

964



# IWGSC Sponsors



Enhance breeding through an increased understanding of the molecular basis of traits and their allelic diversity



# IWGSC Wheat Diversity Project

**Preserve, discover, and mobilize genetic resources by sequencing landrace genomes that encompass the worldwide diversity of bread wheat.**

- Platinum assemblies for 12 bread wheat landrace accessions and Chinese Spring (CS)
- Transcriptome data, gene annotations & update of CS RefSeq annotation
- Practical Haplotype Graph (PHG) to catalog all genetic diversity within bread wheat



A project supported by the National Science Foundation under grant #2322957, the European Research Council ERC (project 3Dwheat #101044399), INRAE Plant Biology and Breeding department, and the International Wheat Genome Sequencing Consortium

# Upcoming Webinar

- ▶ 17 October 2024, 11:00am EDT
- ▶ Comparative wheat phosphoproteome profiling pinpoints high temperature-associated breeding markers
- ▶ Presenter: Ive De Smet (VIB-UGent Center for Plant Systems Biology, BE)
- ▶ Registration: [https://us06web.zoom.us/webinar/register/WN\\_N-jLe6FfTR6cTr2XxkFHfw#](https://us06web.zoom.us/webinar/register/WN_N-jLe6FfTR6cTr2XxkFHfw#)



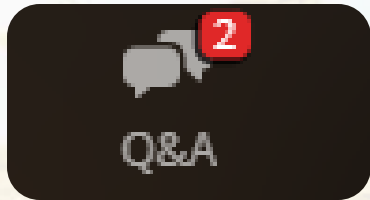
# Upcoming Workshops

- ▶ Plant and Animal Genome Conference Australia, Perth, Australia
  - 19 September 2024
  - IWGSC Workshop
  - Program: <https://www.wheatgenome.org/activities/workshops/pag-australia-2024/iwgsc-workshop-pag-australia-2024>
  
- ▶ Plant and Animal Genome Conference, San Diego, CA, USA
  - 10-15 January 2025
  - Two IWGSC Workshops
  - IWGSC 20<sup>th</sup> anniversary celebration
  - **Call for abstracts will open soon**



# Webinar Dashboard

- The webinar is recorded and will be posted on the IWGSC YouTube channel later today <https://www.youtube.com/c/internationalwheatgenomesequencingconsortium>
- The presentation section will be followed by a Q&A



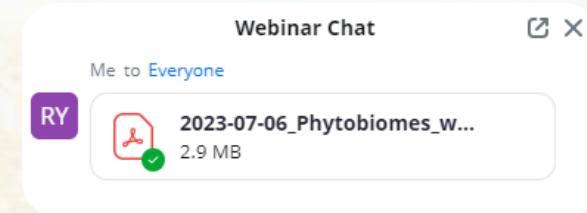
## Questions

*Submit your questions in the Q&A panel*



## Chat

*Use the chat panel to see messages from the organizers*



## Handouts

*Download PDFs of the slides presented from the chat panel*

- Register to the mailing list <https://www.wheatgenome.org/register2/iwgsc-newsletter-data-access-sign-up>





- ▶ **Identification, Characterization and Combination of Novel Resistance Genes Against Rust in Wheat**
- ▶ **Presenter: Rimsha Ashraf**  
Swedish University of Agricultural Sciences  
Sweden





**Thank you for your participation!**

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