

Triticum aestivum



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Scientific name: *Triticum aestivum*

Common name(s): Wheat

Name as shown in Phylogenies: Wheat

Ploidy: Hexaploid

Description:

Triticum aestivum or bread wheat is one of the three main cereal crops along with other members of the Poaceae, rice and maize. Wheat cultivation began in the Fertile Crescent and is now distributed all over the globe. It is the source of a fifth of calories consumed by humans.

Wheat has a highly complex genome; it is a hexaploid with three donor genomes (A, B and D), and a high degree of repetitive DNA.

Reference(s):

1. International Wheat Genome Sequencing Consortium (IWGSC). Shifting the limits in wheat research and breeding using a fully annotated reference genome. *Science*. 2018 Aug 17;361(6403). pii: eaar7191. doi: [10.1126/science.aar7191](https://doi.org/10.1126/science.aar7191)
2. Ogiwara Y., et al. Chinese spring wheat (*Triticum aestivum* L.) chloroplast genome: Complete sequence and contig clones. *Plant Mol. Biol. Rep.* 2000 Sept 03; 243-253(2000) doi: [10.1007/BF02823995](https://doi.org/10.1007/BF02823995)

Genome Database(s):

<https://www.wheatgenome.org/>