

## 天兰冰草染色体形态和带型的研究

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收稿日期 修回日期 网络版发布日期 接受日期

**摘要** 用铁矾苏木精染色法分析了天兰冰草的染色体组型。结果表明, 天兰冰草(2n=42)染色体都是中部和近中着丝点, 有两对染色体带随体。根据染色体大小、着丝点位置、有无随体等特点排列了染色体组型图。用修改的Vosa(1972)Giemsa C-带方法研究了天兰冰草和普通小麦的C-带带型。发现天兰冰草有两组染色体的带型相似。其余的一组染色体和普通小麦B组染色体, 在形态和带型上有某些相似之处。它们和小麦B组染色体一样也有两对带随体的染色体, 这两对染色体的带型也与1B和6B在一定程度上是相似的。因此, 作者用B2X1X2表示天兰冰草的染色体组。

**关键词**

**分类号**

## The Studies on the Chromosomal Morphology and Banding Pattern in *Agropyron intermedium*

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### Abstract

The karyotype of *Agropyron intermedium* was analyzed by the method of Heidenhain's hematoxylin staining. The results indicate that chromosomes of *A. intermedium* (2n=42) are metacentric or submetacentric, and two pairs of chromosomes have satellites. The ideogram of the karyotype was produced by comparing the chromosomes in their sizes, the position of the centromeres, and the status of satellite.

In this paper, the C-banding pattern of *A. intermedium* and common wheat (*Triticum aestivum*) were also obtained by using a modified Giemsa C-banding technique of Vosa (1972). It is found that the banding patterns of two genomes are similar in *A. intermedium*. The banding pattern of the remaining genome is similar, to some extent, to the B genome of common wheat, both having two pairs of satellite chromosomes with similar C-bands.

According to the results, the author used B2X1X2 as the symbol to represent the chromosome constitution of *A. intermedium*.

### Key words

DOI:

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