

## 利用细胞工程技术筛选小麦抗病新种质的研究

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**摘要** 在利用细胞工程技术筛选小麦抗根腐病和赤霉病突变体研究工作的基础上, 将已获得的突变株继续进行多年多点的抗病鉴定, 对突变株后代的抗病性进行测定, 并对农艺性状作详细的观察。结果表明, 抗病突变株不论是同一年份在不同鉴定点上, 还是在同一鉴定点上多年重复鉴定, 都表现有较强的抗根腐病菌和赤霉病菌侵染的能力, 突变株的抗病性不因代数的增加而发生变化。已从中选出4个对根腐病和赤霉病抗性强而稳定、农艺性状亦较好的新种质, 提供给一些育种单位利用。

**关键词** [细胞工程技术](#) [抗病突变株](#) [抗病新种质](#)

分类号

## Sudies of Screeing New Germplasms for Disease Resistance by Cell Engineering in Wheat

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### Abstract

Mutant plants resistant to *H.sativum* and *F.graminearum* of wheat obtained by cell engineering were further tested in many different disease area in their offspring of M<sub>1</sub>, M<sub>2</sub> and M<sub>3</sub> for mang years. At the same time, their agronomic characters were in vestigated. Experimental results showed that the mutant plants were resistant to *H.sativum* and *F.graminearum*. The resistance was maintained in their offspring of M<sub>1</sub>, M<sub>2</sub> and M<sub>3</sub>. Four new germplasms resistant to *H.sativum* and *F.graminearum* were obtained and supplied to some breeding units as cross parents in resistance breeding.

**Key words** [Cell engineering](#) [Disease-resistant mutant plant](#) [Disease-resistant new germplasm](#)

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