

利用细胞工程技术筛选小麦抗根腐病突变体的研究*

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摘要 以小麦根腐病菌002号菌株产生的致病培养滤液为选择剂, 选用春、冬小麦品种、品系以及杂种的花药和幼穗进行离体培养, 并结合物理诱变技术, 已获得抗根腐病的植株, 用根腐病菌分生孢子接种鉴定, 再生植株50株中有12株抗病。

关键词 [小麦根腐病菌抗病突变体, 离体筛选](#)

分类号

Studies of Screening Resistant to Mutant *Helminthosporium sativum* by Cell Engineering in Wheat*

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Abstract

The fungal filtrate prepared from the cultures of *H. sativum* strain No.002 was used as screening agent. The anther and young inflorescences from varieties, strains and hybrids of spring and winter wheat were in vitro cultured. The calli were treated with physical mutagens. Finally the mutants resisting to *H. sativum* were obtained. Out of 50 regenerated plants resisting to fungal filtrate, 12 plants were resistant when put them to inoculation test with conidiospore of *H. sativum*.

Key words [Helminthosporium sativum in wheat](#) [Resistant mutant](#) [In vitro selection](#)

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