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# **Czech J. Genet. Plant Breed.**

**D.:**

## **Response of *Vicia* species to *Ascochyta fabae* and *Uromyces viciae-fabae***

Czech J. Genet. Plant Breed., 50 (2014): 109-115

A collection of 267 accessions belonging to 61 *Vicia* species other than *V. faba* was screened under growth chamber conditions for response to *Ascochyta fabae* and *Uromyces viciae-fabae*, causal agents of ascochyta blight and faba bean rust, respectively. High resistance to both diseases was very frequently detected in *Vicia* spp. in contrast to the high susceptibility previously reported in most *V. faba* accessions. Most of the *Vicia* spp. accessions studied here were very resistant or even immune to *A. fabae* with only one per cent of the accessions allowing development of small lesions bearing pycnidia. High resistance or immunity to *U. viciae-fabae* was also

more frequently found in the collection, with only ten per cent of the accessions showing compatible interaction although with reduced disease severity. These findings reinforce the specificity of *A. fabae* and *U. viciae-fabae* and clarify the potential role of cultivated and wild *Vicia* spp. in the epidemiology of these faba bean diseases.

### **Keywords:**

ascochyta blight; faba bean rust; germplasm collection; *Vicia* spp.

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