



# Agricultural Journals

*Czech Journal of*

## **GENETICS AND PLANT BREEDING**

[home](#) [page](#) [about us](#) [contact](#)

[us](#)

### Table of Contents

#### **IN PRESS**

**CJGPB 2014**

**CJGPB 2013**

**CJGPB 2012**

**CJGPB 2011**

**CJGPB 2010**

**CJGPB 2009**

**CJGPB 2008**

**CJGPB 2007**

**CJGPB 2006**

**CJGPB 2005**

**CJGPB 2004**

**CJGPB 2003**

**CJGPB 2002**

**CJGPB**

**Home**

---

## **Editorial Board**

### **For Authors**

- **Authors  
Declaration**
- **Instruction  
to Authors**
- **Guide for  
Authors**
- **Copyright  
Statement**
- **Submission**

### **For Reviewers**

- **Guide for  
Reviewers**
- **Reviewers  
Login**

---

## **Subscription**

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

# Identity of barley powdery mildew resistances Bw and Ru2

Czech J. Genet. Plant Breed., 48 (2012): 185-188

A large number of resistances to powdery mildew (*Blumeria graminis* f.sp. *hordei*) and their combinations are known in barley (*Hordeum vulgare* L.). A similarity of resistance spectra between cultivars carrying the resistance Bw, designated for the winter barley cultivar Borwina, and the near-isogenic spring barley line P15, which carries the resistance Ru2, derived from the landrace Rupee, was found. The objective of this study was to test the difference between resistances Bw and Ru2. Six cultivars were tested, four with Bw and two with Ru2. Testing with 40 isolates showed identical reaction spectra between both groups. Testing of the cultivar Kompolti 4 (Bw) and line P15 (Ru2) with 300 isolates confirmed this result. Thus, the resistances currently

designated Bw and Ru2 can be regarded as identical, and are determined by the gene *MI(Ru2)*. Both Bw and Ru2 should be designated by the earlier code, Ru2.

### **Keywords:**

*Blumeria graminis* f.sp. *hordei*; *Hordeum vulgare*; pathogen isolates; resistance gene postulation

[ [fulltext](#) ]

---

© 2011 [Czech Academy of Agricultural Sciences](#)

XHTML11 VALID

CSS VALID