



# Agricultural Journals

*Czech Journal of*

## **GENETICS AND PLANT BREEDING**

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

# Complete genome sequence of a *Brome Mosaic Virus* isolate from the Czech Republic

Czech J. Genet. Plant Breed., 46 (2010): 178-182

An isolate of *Brome mosaic virus* (BMV) was originally isolated from *Agropyron repens* and maintained in *Hordeum vulgare*. The full-length genome of this isolate (BMV-CZ) was sequenced. Phylogenetic analysis revealed that BMV-CZ shared a minimum of 95.6% sequence identity, localized in the 5' -UTR of RNA-1 with the other BMV isolates from the database, and a maximum of divergence of 30.8% with *Broad bean mottle virus* localized in the 5' -UTR of RNA-3. This is the first sequence report of full-length BMV from the Czech Republic.

**Keywords:**

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