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Czech J. Genet. Plant Breed.

**Sumíková T., Huszár
J., Bartoš P.:**

**Physiologic
specialization of wheat
leaf rust (*Puccinia
tritricina* Eriks.) in the
Slovak Republic in
2009– 2011**

Czech J. Genet. Plant Breed., 48 (2012):
101-107

In 2009– 2011 virulence of the wheat leaf rust population was studied on Thatcher near-isogenic lines with *Lr1*, *Lr2a*, *Lr2b*, *Lr2c*, *Lr3a*, *Lr9*, *Lr11*, *Lr13*, *Lr15*, *Lr17*, *Lr19*, *Lr21*, *Lr23*, *Lr24*, *Lr26* and *Lr28*. Samples of leaf rust were obtained from different parts of the Slovak Republic. A total of 122 wheat leaf rust isolates were analysed. Resistance gene *Lr19* was effective to all tested isolates. Virulence to *Lr9* was found, however only in one isolate. Gene *Lr24* conditioned resistance

frequency of virulence to *Lr2a* and *Lr28* was also observed. Nineteen winter wheat cultivars grown in Slovakia were tested with 8 leaf rust isolates. Winter wheat cultivar Bona Dea was resistant to all isolates applied in the greenhouse test.