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## Contribution to identify the causal genets of Dutch elm disease in the Czech Republic

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This study provides new data on Dutch elm disease in the Czech Republic. *Ophiostoma novo-ulmi* is reported for the first time in the area of the Czech Republic, as well as both subspecies *ssp. novo-ulmi* (indigenous in the area of the Ukraine and Moldavia), and *ssp. Americana* indigenous in North America. The majority of the recorded strains belonged to *O. n.-u. ssp. novo-ulmi*, while *O. n.-u. ssp. Americana* and hybrids of these two subspecies were found less frequently. On the other hand, *Ophiostoma ulmi* was not found at all in the investigated samples. Identification on the subspecies level was performed by methods of molecular biology, i.e. PCR and RFLP of gene regions *cu* and *col1*.

**Keywords:**

*Ulmus*; *Ophiostoma novo-ulmi*; PCR; RFLP

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