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The first report on the occurrence of *Ornithogalum mosaic virus* in Japan and the presence of isolates differing in pathogenicity to dicot plants.

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ABSTRACT

Ornithogalum mosaic virus (OrMV) occurred in Akita Prefecture. An OrMV isolate obtained from a diseased *O. thyrsoides* could infect not only O. thyrsoides and O. dubium but also five dicot plants (*Nicotiana clevelandii*, *Gomphrena globosa*, *Chenopodium amaranticolor*, *C. quinoa* and *Tetragonia tetragonoides*). Another isolate from a diseased *O. dubium*, by contrast, was transmissible via sap inoculation to the two *Ornithogalum* plants but not to any dicot plants tested. The two isolates caused mosaic symptoms on the two *Ornithogalum* plants. This is the first report on the occurrence of OrMV in Japan.

Key words: coat protein gene, host range, ornithogalum, *Ornithogalum mosaic virus*, potyvirus

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