

The present invention relates to a transgenic plant of the species *Solanum tuberosum* having resistance to an oomycete of the genus *Phytophthora*, to transgenic parts of such a plant, to a method for production same and to a means for the external application thereof in plants. Nucleotide sequences according to the SEQ ID NOS: 1-43 from *P. infestans* are provided in a host-plant-mediated gene silencing approach in potato plants, and also provided as a fungicide for plant treatment.