

Resource Summary Report

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A protocol of molecular detection of phytoplasmas and *Xylella* spp. in post-entry quarantine for plants.

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Proper Citation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.jhjcj4n>

Authors: Takao Ito, Ryoji Nakaune

Summary: In the STEPS, we describe TaqMan multiplex real-time PCR to universally detect phytoplasmas (PP) and *Xylella* spp. (XL) with plant internal control (IC) from crude extracts. A protocol file uploaded in the DESCRIPTION shows further details of the protocol in Japanese and English.

Associated Publications: Ito T, Suzuki K (2017) Universal detection of phytoplasmas and *Xylella* spp. by TaqMan singleplex and multiplex real-time PCR with dual priming oligonucleotides. PLoS ONE 12(9): e0185427. doi: [10.1371/journal.pone.0185427](https://doi.org/10.1371/journal.pone.0185427)

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