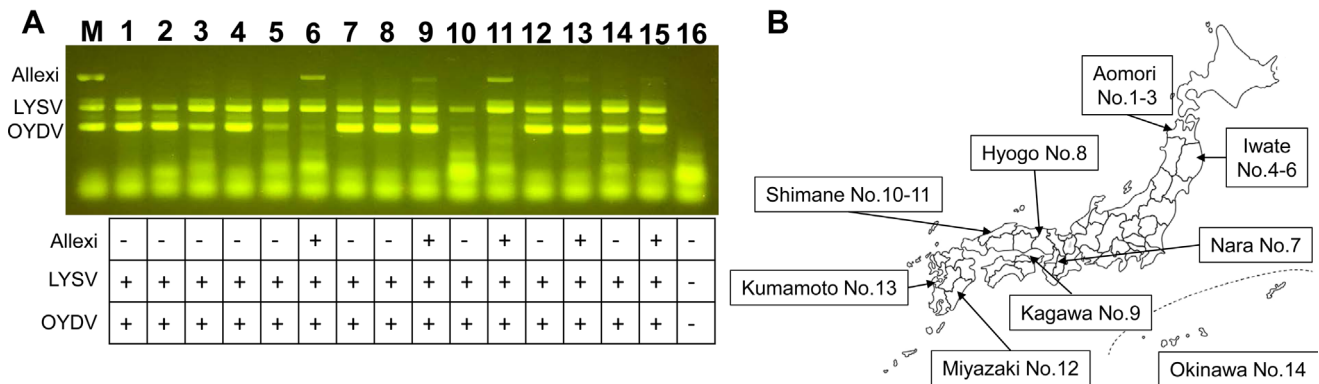


Supplementary Fig. 3. Comparison of the electrophoretograms between the two different fluorescent observations. (A) Band pattern of agarose gel electrophoresis of FITC-labeled RT-PCR products under blue light illumination. (B) Band pattern of the ethidium bromide-stained gel containing the same PCR products as those in (A). RT-PCR, reverse transcription polymerase chain reaction; PCR, polymerase chain reaction; Allexi, allexiviruses; LYSV, leek yellow stripe virus; OYDV, onion yellow dwarf virus. Lanes 1-10, Hokkaido garlic; lane 11, NC (negative control, water); lane 12, PC (positive control, Chinese garlic).



Supplementary Fig. 4. Garlic virus detection in garlic samples collected from various regions in Japan using FDA. (A) The FDA gel to detect three target garlic viruses. (B) The sampling regions where the garlic samples were obtained in Japan. Lane M, size marker (mixture of the PCR products of the three garlic viruses amplified with FITC-labeled and biotin-labeled primer pairs). The lanes for the sampling regions in Japan are indicated below. FDA, FITC-detection assay; PCR, polymerase chain reaction; Allexi, allexiviruses; LYSV, leek yellow stripe virus; OYDV, onion yellow dwarf virus. Lanes 1-3, Aomori; lanes 4-6, Iwate; lane 7, Nara; lane 8, Hyogo; lane 9, Kagawa; lanes 10-11, Shimane; lane 12, Miyazaki; lane 13, Kumamoto; lane 14, Okinawa; lane 15, positive control (Spain garlic); lane 16, negative control (water).