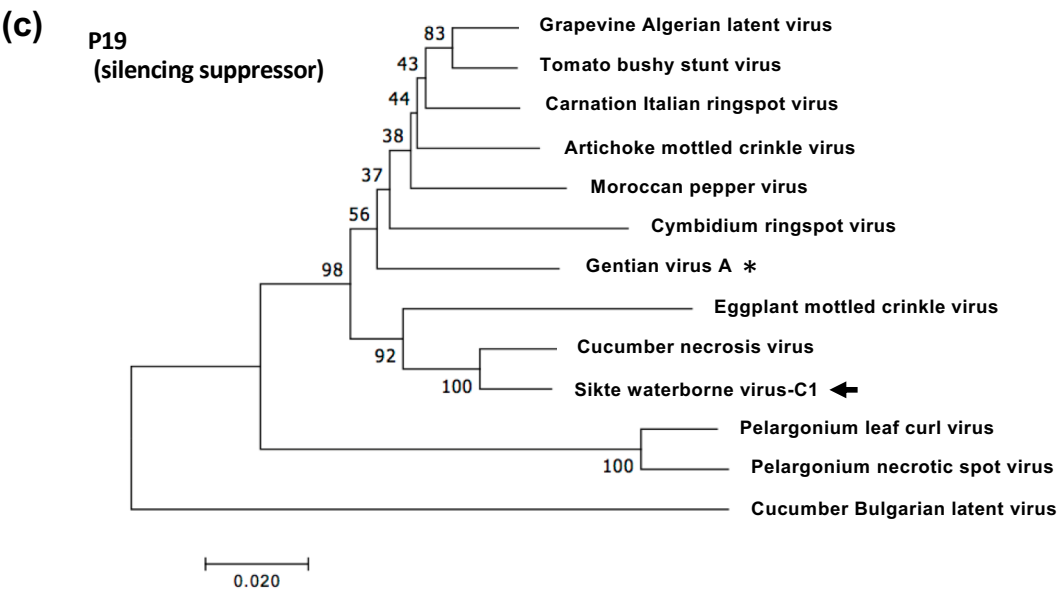
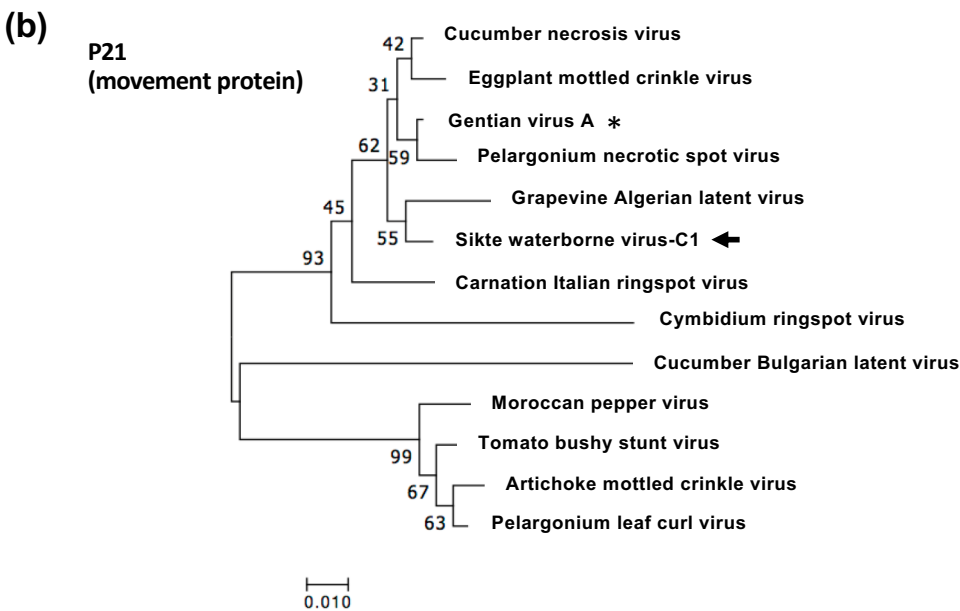
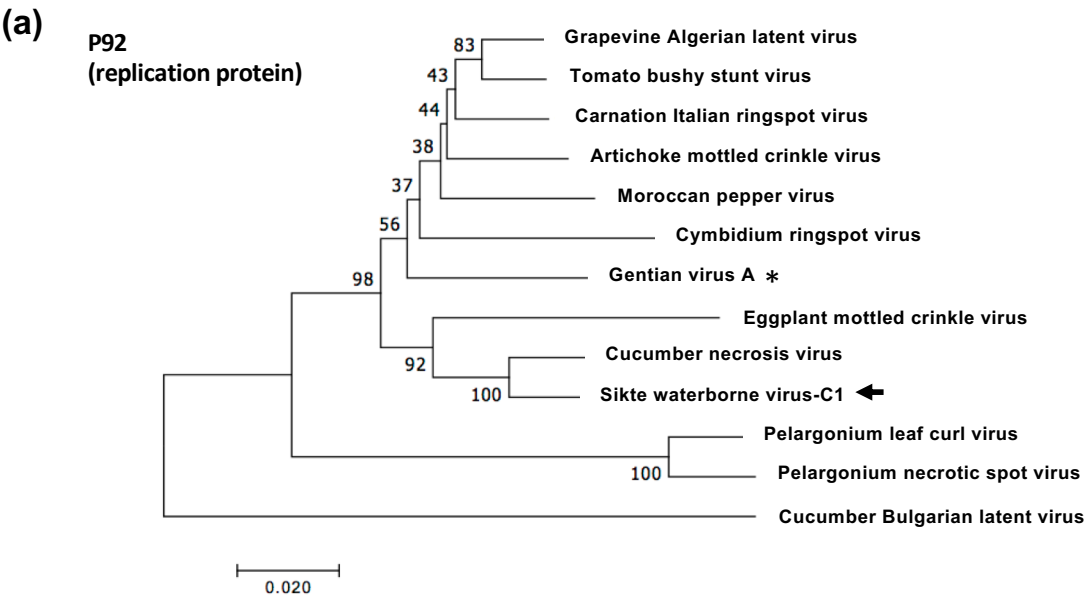
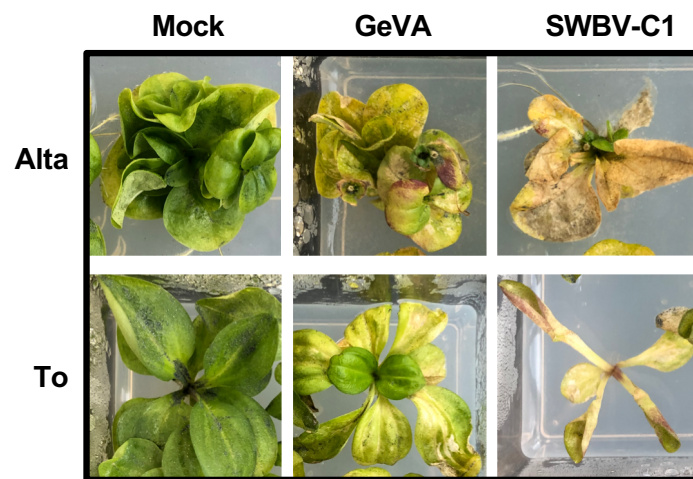
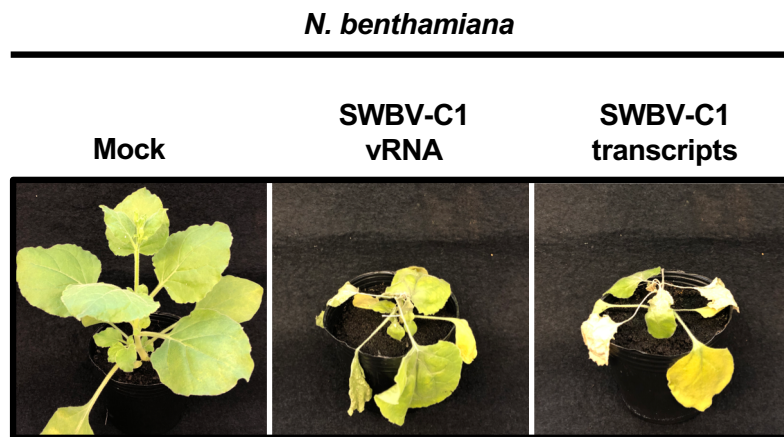




Online Resource 1. Phylogenetic analyses of tombusviruses using deduced amino acid sequences of p92, p21 and p19. (A) Phylogenetic analysis of tombusvirus replication protein (p92). SWBV-C1 and 12 other tombusviruses with available complete genome sequences were selected and used for the analysis. The phylogenetic analysis was performed as described in Figure 1C. Similarly, phylogenetic analyses of the tombusvirus movement protein p21 (B) and silencing suppressor p19 (C) were also performed. Arrow and asterisk indicate the positions of SWBV-C1 and GeVA, respectively.



Online Resource 2. Comparison of symptoms between SWBV-C1- and GeVA-inoculated gentians. Symptoms induced by SWBV-C1 on Japanese gentian cultivars ‘Alta’ and ‘To’ grown *in vitro*. SWBV-C1 and GeVA virion RNAs (0.5 mg/ml) were mechanically inoculated into gentians, and plants were photographed at 4 wpi.



Online Resource 3. Virulence of SWBV-C1 virion RNA (vRNA) and transcripts in *N. benthamiana*. SWBV-C1 virion RNA (0.5 mg/ml) and transcripts (0.5 mg/ml) were inoculated to *N. benthamiana*, and plants were photographed at 2 wpi.