# RNA-Mediated Gene Silencing Signals Are Not Graft Transmissible from the Rootstock to the Scion in Greenhouse-Grown Apple Plants *Malus* sp.

## Supplementary Information

**Figure S1.** Molecular evaluation of hrp-*gusA* transgenic apple clones by PCR (**A**) and RT-PCR; (**B**) on genomic DNA and cDNA, respectively. $H_2O$, blank probe; plasmid, positive control pHELLSGATE::hrp-*gusA* (the vector PCR 2.1 Topo containing a genomic clone of EF1alpha was used as control for the EF1a RT-PCR), PinS, descendent of the cultivar "inova". Transgenic clone T667 was separately tested by RT-PCR (data not presented).

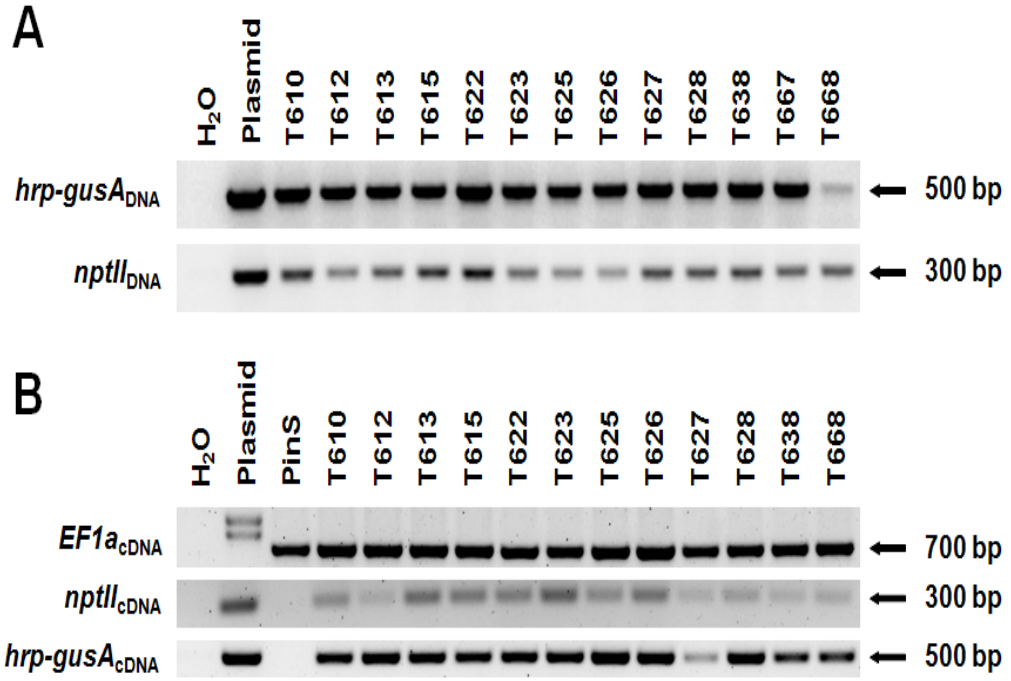

**Figure S2.** Molecular evaluation of hrp-*Mdans* transgenic plants. (**A**) PCR based detection of the hrp-*Mdans* hairpin gene construct on genomic DNA using the primers HG1 and HG3n; (**B**) Southern blot hybridization of *Sac*I digested DNA using a DIG-labeled probe of the *nptII*; (**C**) Relative mRNA expression of the *Mdans* gene measured on *in vitro* grown plants (mean of three biological replicates, each with three technical replicates); (**D**) Relative mRNA expression of the *Mdans* gene measured on greenhouse grown plants (mean of three biological replicates, each with three technical replicates). SM, molecular size marker (100 bp DNA ladder, MBI Fermentas); MW, 1 kbp, molecular weight marker II, DIG labelled (Roche); "PinS", descendant of the apple cultivar "Pinova".