

Table S1. Artificial small RNA-induced systemic silencing (SS) appearance as leaf near-vein chlorosis in upper or lower non-agroinfiltrated leaves during 14 days post-agroinfiltration.

Art-sRNA construct	Agroinfiltrated leaves*	SS in lower leaves	SS in upper leaves
<i>35S:amiR-NbSu-2</i>	3-4	0/3	3/3
	5-6	0/3	3/3
	7-8	0/3	3/3
<i>35S:syn-tasiR-NbSu-2</i>	3-4	0/3	3/3
	5-6	0/3	3/3
	7-8	0/3	3/3

*leaf numbers refer to the age of the leaf, with leaf number 1 being the oldest leaf

Table S2. Name, sequence and use of DNA oligonucleotides used in this study.

Oligonucleotide	Sequence	Construct/Aim
AC-55	AGGGGCCATGCTAATCTTCTC	DNA probe for U6 detection
AC-257	TTTATGTATGACTCCCGGAATTCCA	35S: <i>syn-tasiR-NbSu-2</i>
AC-258	CCGATGGAATTCGGGAGTCATACA	
AC-310	TGTATGTATGACTCCCGGAATTCCTTATGATGATCACA TTCGTTATCTATTTTTTAAGGATTCGGTGAGTCATACA	35S: <i>amiR-NbSu-2-22</i>
AC-311	AATGTGTATGACTCACGGAATCCTTAAAAAATAGATAA CGAATGTGATCATCATAAGGAATTCGGGAGTCATACA	
AC-337	TATAGGGGGGAAAAAAGGTAG	PCR <i>AtMIR390a</i> -based amiRNA precursors
AC-338	GAGACTAAAGATGAGATCTAAT	
AC-346	T+GGA+ATT+CCG+GGA+GTC+ATA+CA	LNA probe for amiR- NbSu-2/ <i>syn-tasiR-NbSu-2</i> detection
AC-355	TCACACCCTGCCCGATTTAT	<i>NbSu</i> qPCR
AC-356	GCAGAAAGAGCGTTCCCTAGC	
AC-365	GACCCTGATGTTGATGTTTCGCT	<i>NbPP2A</i> PCR/qPCR
AC-366	GAGGGATTTGAAGAGAGATTTTC	
AC-417	G+CGG+GAA+GTC+CAC+CAC+GGT+TA	LNA probe for amiR- NbSu-1 detection
AC-419	T+AGA+TGG+TTG+ATT+TAC+CGC+TA	LNA probe for amiR- NbSu-3 detection
AC-532	CTCGTGCTGCCCTGTTAGTACTATA	<i>NbSu</i> PCR (5'RLM- RACE)
D2057	TGTATCTTGTAAACGCGCTTTCCAGATGATGATCACAT TCGTTATCTATTTTTTCTGGGAAAGCTCGTTACAAGA	35S: <i>amiR-GUS_{Nb}</i>
D2058	AATGTCTTGTAAACGAGCTTTCCAGAAAAAATAGATAA CGAATGTGATCATCATCTGGGAAAGCGCTTACAAGA	
D2065	TGTATAACCGTGGTGGACTTCCCGCATGATGATCACAT TCGTTATCTATTTTTTGGCGGAAGTCAACCACGGTTA	35S: <i>amiR-NbSu-1</i>
D2066	AATGTAACCGTGGTTGACTTCCCGCAAAAAAATAGATAA CGAATGTGATCATCATGCGGGAAGTCCACCACGGTTA	
D2067	TGTATGTATGACTCCCGGAATTCGAATGATGATCACAT TCGTTATCTATTTTTTGGAAATTCGGTGAGTCATACA	35S: <i>amiR-NbSu-2</i>
D2068	AATGTGTATGACTCACGGAATTCAAAAAATAGATAA CGAATGTGATCATCATGGAATTCGGGAGTCATACA	
D2224	AAACCTAAACCTAAACGGCTAAGC	PCR <i>AtTAS1c</i> -based <i>syn-</i> <i>tasiRNA</i> precursors
D2225	ATTTCACTTTACGATGTGGTG	
GeneRacer 5' Oligo	CGACTGGAGCACGAGGACACTGA	<i>NbSu</i> PCR (5'RLM- RACE)
GeneRacer Oligo dT	GCTGTCAACGATACGCTACGTAACGGCATGACAGTGTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	cDNA synthesis (5'RLM- RACE)
GeneRacer RNA Oligo Adapter	CGACUGGAGCACGAGGACACUGACAUGGACUGAAGGAG UAGAAA	RNA ligation (5'RLM- RACE)