

**Supplementary Table S1. DNA oligonucleotides used in this study**

oligonucleotide	sequence	purpose
agf698_21U_1f	TGTAATAGTTCATCCATGCCATGTGTATGATGATCACATTTCGTTATCTATTTTTACACATGGCAGGGATGAAC	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
agf698_21U_1r	AATGTAGTTCATCCCTGCCATGTGTAAAAAATAGATAACGAATGTGATCATCATACACATGGCATGGATGAAC	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
agf698_21A_1f	TGTAAGTTCATCCATGCCATGTGTATGATGATCACATTTCGTTATCTATTTTTACACATGGCAGGGATGAAC	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
agf698_21A_1r	AATGAAGTTCATCCCTGCCATGTGTAAAAAATAGATAACGAATGTGATCATCATACACATGGCATGGATGAAC	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA179m_1f	TGTAATGATGGTCTCCATGTCCGTTGATGATGATCACATTTCGTTATCTATTTTTCAAGCGACATTGAGACCATCA	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA179m_1r	AATGTGATGGTCTCAATGTCCGTTGAAAAAATAGATAACGAATGTGATCATCATCAAGCGACATTGGAGACCATCA	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA186m_1f	TGTAATTCCTCTTGATGGTCTCCATGATGATGATCACATTTCGTTATCTATTTTTTCATGGAGACCCCTCAAGAGAAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA186m_1r	AATGATTCCTCTTGAGGGTCTCCATGAAAAAATAGATAACGAATGTGATCATCATATGGAGACCATCAAGAGAAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA207m_1f	TGTAATCTCTTTCTTAGGCCAAATCATGATGATCACATTTCGTTATCTATTTTTTGCCCTCAGAAAGAGAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA207m_1r	AATGATCTCTTTCTTAGGCCAAATCAAAAAATAGATAACGAATGTGATCATCATGATTTGGCCCTAAGAAAGAGAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA209m_1f	TGTAATACTCTTTCTTAGGCCAAATGATGATCACATTTCGTTATCTATTTTTTTGGCCCTAATAAGAGATT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA209m_1r	AATGAAATCTCTTTATTAGGCCAAAAAATAGATAACGAATGTGATCATCATTTTGGCCCTAAGAAAGAGATT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA221m_1f	TGTAATAACCCACAAAAATCTCTTATGATGATCACATTTCGTTATCTATTTTTTAAGAGATTTTGGTGGGTGATT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA221m_1r	AATGAATCACCACAAAAATCTCTTAAAAAATAGATAACGAATGTGATCATCATAGAGATTTTGGTGGGTGATT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA228m_1f	TGTAATCGCGAAATCACCACAAAAATGATGATCACATTTCGTTATCTATTTTTTTGGTGGGTGATTTCGCGAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA228m_1r	AATGATCGCGAAATCAACCCAAAAAATAGATAACGAATGTGATCATCATTTTGGTGGGTGATTTCGCGAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA238m_1f	TGTAATTCACCTCCGATCGCGAAATCATGATGATCACATTTCGTTATCTATTTTTTGAATTCGCGAGCGAGTGAAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA238m_1r	AATGATTCACCTCCGCTCGCGAAATCAAAAAATAGATAACGAATGTGATCATCATGATTTTCGCGATCGGAGTGAAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3243m_1f	TGTAATTCGCCAACTCAACTCTATCATGATGATCACATTTCGTTATCTATTTTTTGATAGAGTTGCGTTGGCGAAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3243m_1r	AATGATTCGCCAACGCAACTCTATCAAAAAATAGATAACGAATGTGATCATCATGATTTGAGTTGAGTTGGCGAAT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3701m_1f	TGTAATAAACCGCATCTGTCGTAACCTATGATGATCACATTTCGTTATCTATTTTTTAGTACAGCCGTCGCTTTTT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3701m_1r	AATGAAAAACGCGACGCTGTCGTAACCTAAAAAATAGATAACGAATGTGATCATCATAGTACAGACAGCTGCTTTTT	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3722m_1f	TGTAATTAGAGACAGTACAAATTTATGATGATGATCACATTTCGTTATCTATTTTTTCATAAATTGTCCTGTCTCTAA	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3722m_1r	AATGTTAGAGACAGGACAAATTTATGAAAAAATAGATAACGAATGTGATCATCATATAAATTGTACTGTCTCTAA	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3939m_1f	TGTAATTCACGTGTAGCTTGTTCCTCATGATGATCACATTTCGTTATCTATTTTTTAGGGAACAGATAACAGTGAA	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
asiRNA3939m_1r	AATGTTTCACGTGTATCTTGTTCCTAAAAAATAGATAACGAATGTGATCATCATAGGGAACAGCTAACAGTGAA	amiRNA cloning in binary vector pMDC32B-AtMIR390a-B/c
T7pro2G	CCCTAATACGACTCACAATAGG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment A, (+)-strand
TVGM_J51r	CCTTAAGTTCCTTCGCCGGC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment A, (+)-strand
T7TVGM_J52f	TGTAATACGACTCACTATAGGAGCCGCGAAGGGAACCTTAAG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment B, (+)-strand
TVGM_J52r	CATTGTACCTCGGGTTTCGAG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment B, (+)-strand
T7TVGM_J53f	TGTAATACGACTCACTATAGGACGACCTCGGGTGATTACG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment C, (+)-strand
TVGM_J53r	GTAATTGCTTTGTACTCACCGG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment C, (+)-strand
T7TVGM_J54f	TGTAATACGACTCACTATAGGACACACACGAGGATAGACAC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment D, (+)-strand
TVGM_J54r	CGCAGGACACACTAAATTAGAG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment D, (+)-strand
T7TVGM_J55f	TGTAATACGACTCACTATAGGTATCACACTCTGCCACAGTAC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment E, (+)-strand
TVDIWT1r	GGGCTGCATTTCTGCAATTGTC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment E, (+)-strand
VtmTra1f	GGAAATTCCTCAGGATTTCTCGAC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment A, (-)-strand
T7TVGM1r	TGTAATACGACTCACTATAGGCCTTAAGTTCCTTCGCCGGC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment B, (-)-strand
TraTVGM_J52f	GGAGCCGGCAGGGAACCTTAAG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment B, (-)-strand
T7TVGM_J52r	CCCTAATACGACTCACTATAGGCAATTGTACCTCGGGTTTCGAG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment C, (-)-strand
TraTVGM_J53f	GGCAGCACCTCGGGTGATTACG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment C, (-)-strand
T7TVGM_J53r	CCCTAATACGACTCACTATAGGTAAATGCTTTGTACTCACCGG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment D, (-)-strand
TraTVGM_J54f	GGCAGCACGCGAGGATAGACAC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment D, (-)-strand
T7TVGM_J54r	CCCTAATACGACTCACTATAGGCGCAGGACACACTAAATTAGAG	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment E, (-)-strand
TraTVGM_J55f	GGTATCACACTCTGCCACAGTAC	generation of template DNA for <i>in vitro</i> transcription of TBSV fragment E, (-)-strand
T7TVmTra1r	CCCTAATACGACTCACTATAGGGCTGCATTTCTGCAATTGTTCC	replacement of the target site of siRNA gF698 in plasmid gPFP-C1 by two <i>Bsp</i> I sites
pGFP-C1mut1f	GGAACTACAGACACGCTGCTG	replacement of the target site of siRNA gF698 in plasmid gPFP-C1 by two <i>Bsp</i> I sites
pGFP-C1mut1r	CATGCCATGGTtGGAAGACTcATCCCAGCAGCTGTTACAAAC	replacement of the target site of siRNA gF698 in plasmid gPFP-C1 by two <i>Bsp</i> I sites
pGFP-C1mut2f	CATGCCATGGTtGGAAGACTcATCAAGTCCGACTCAGATCTC	replacement of the target site of siRNA gF698 in plasmid gPFP-C1 by two <i>Bsp</i> I sites
pGFP-C1mut2r	TTGCCGATTTTCGCCCTATTGG	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi179m1f	GGATACAAGCGACATGGAGACCATCA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi179m1r	TGTAATGATGGTCTCCATGTCCGTTGT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1470m1f	GGATGAGCCGTGGAGAGTCTGCATAT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1470m1r	TGTAATATGCAGACTCTCCACGGCTC	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1575m1f	GGATCTCGGGTGATTTCAGCCTCGAA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1575m1r	TGTAATTCGAGGCTGAATCACCCGAG	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1717m1f	GGATAGGTGCAATTTTCGGGCTAA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1717m1r	TGTAATTCGCGCGAAAAATGCACCT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi13243m1f	GGATTGATAGAGTTGAGTTGGCGAAT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi13243m1r	TGTAATTCGCCAACTCAACTCTATCA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi13516m1f	GGATTGGCGCTCTTGTCAACAGATCT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi13516m1r	TGTAAGATGCTGTGACAAGAGCGCCA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi3701m1f	GGATTAGGTACAGACAGTGCCTTTTT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi3701m1r	TGTAATAAACCGCACTGTCTGTACTTA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi3722m1f	GGATTCAATAAATTGTACTGTCTCTAA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi3722m1r	TGTAATTAGAGACAGTACAAATTTATGA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi13758m1f	GGATTGACATTCACATCTACCGGTAT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi13758m1r	TGTAATAACCGGTAGATGTGAATGTCA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1939m1f	GGATTAGGGAAACAGCTAACAGTGAA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi1939m1r	TGTAATTCACGTGTAGCTTGTTCCTTA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi4044m1f	GGATTAAACGATGAGACGAATTCGAAT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi4044m1r	TGTAATTCGAATTCGTCTCATCGTTTA	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi4418m1f	GGATAAGCGGAGTAAAGACAGACTCTT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
tsTVsi4418m1r	TGTAAGAGGTCTGTCTTACTCGCCTT	insertion of the target site of a TBSV siRNA in plasmid gPFP-C1
HDVrib1f	GGGTCCGATGGCATCTCCAC	fusion of a HDV ribozyme-encoding sequence to TBSV cDNA
HDVrib3r	CGGAATTCCTAGACTTCCTCCCTTAGCCTACCGAAG	fusion of a HDV ribozyme-encoding sequence to TBSV cDNA
TBSV_BGW_1f	TTTGGTCTCGATCCGGAATTCCTCAGGATTTCTCG	cloning of TBSV cDNA including a HDV ribozyme-encoding sequence in binary vector pVM-BGW
TBSV_BGWRib_2r	TTTGGTCTCTAAGCCGGAATTCCTCAGACTTCTCCG	cloning of TBSV cDNA including a HDV ribozyme-encoding sequence in binary vector pVM-BGW
BGWmCherry2f	GACCATGAAGACCGATCCATGGTGAGCAAGGCGAGG	cloning of mCherry ORF in binary vector
BGWmCherry2r	GACCATGAAGACCGAAGCTTACTTTGTACAGCTCGTCCATG	cloning of mCherry ORF in binary vector

**Supplementary Table S2.** RNA oligonucleotides used in this study

oligonucleotide	sequence	purpose
gf698-21U gs	uaguucauccaugccaugugu	guide strand of gf698 siRNA, 5'U
gf698-21U ps	acauggcauggaugaacuaaua	passenger strand of gf698 siRNA
gf698-21A gs	aaguucauccaugccaugugu	guide strand of gf698 siRNA, 5'A
gf698-21A ps	acauggcauggaugaacuuua	passenger strand of gf698 siRNA
si179 gs	ugauggucuccaugucgcuug	guide strand of TBSV siRNA 179
si179 ps	agcgacaugggagaccaucaag	passenger strand of TBSV siRNA 179
si186 gs	auucucuugauggucuccaug	guide strand of TBSV siRNA 186
si186 ps	uggagaccaucaagagaauga	passenger strand of TBSV siRNA 186
si207 gs	aucucuuuuuuaggccaaauc	guide strand of TBSV siRNA 207
si207 ps	uuuggccuaagaaagagauuu	passenger strand of TBSV siRNA 207
si209 gs	aaucucuuuuuuaggccaaa	guide strand of TBSV siRNA 209
si209 ps	uggccuaagaaagagauuuuu	passenger strand of TBSV siRNA 209
si221 gs	aaucacccacaaaaaucucu	guide strand of TBSV siRNA 221
si221 ps	gagauuuuuugugggugauuuc	passenger strand of TBSV siRNA 221
si228 gs	aucgcgaaaucacccacaaaa	guide strand of TBSV siRNA 228
si228 ps	uugugggugauuucgcgaucg	passenger strand of TBSV siRNA 228
si238 gs	auucacuccgaucgcgaaauc	guide strand of TBSV siRNA 238
si238 ps	uuucgcgaucggagugaaauag	passenger strand of TBSV siRNA 238
si1470 gs	auaugcagacucuccacggcu	guide strand of TBSV siRNA 1470
si1470 ps	ccguggagagucugcauauca	passenger strand of TBSV siRNA 1470
si1575 gs	uuucgaggcugaauaccccga	guide strand of TBSV siRNA 1575
si1575 ps	gggugauucagccucgaaacc	passenger strand of TBSV siRNA 1575
si1717 gs	uuuagccccggaaaauugcacc	guide strand of TBSV siRNA 1717
si1717 ps	ugcaauuuuccgggcuaaaug	passenger strand of TBSV siRNA 1717
si3243 gs	auucgccaacucaacucuauc	guide strand of TBSV siRNA 3243
si3243 ps	uagaguugaguuggcgaaaua	passenger strand of TBSV siRNA 3243
si3516 gs	agaugcugugacaagagcgcc	guide strand of TBSV siRNA 3516
si3516 ps	cgcucuugucacagcaucugg	passenger strand of TBSV siRNA 3516
si3701 gs	aaaaacgcacugucuguaccu	guide strand of TBSV siRNA 3701
si3701 ps	guacagacagugcguuuuuua	passenger strand of TBSV siRNA 3701
si3722 gs	uuagagacaguacaauuuuug	guide strand of TBSV siRNA 3722
si3722 ps	uaauuuguacugucucuaacc	passenger strand of TBSV siRNA 3722
si3758 gs	auaccgguagaugugaauguc	guide strand of TBSV siRNA 3758
si3758 ps	cauucacauuaccgguauca	passenger strand of TBSV siRNA 3758
si3939 gs	uucacuguuagcuuguucccu	guide strand of TBSV siRNA 3939
si3939 ps	ggaacaagcuaacagugaacg	passenger strand of TBSV siRNA 3939
si4044 gs	auucgaaauucgucucaucguu	guide strand of TBSV siRNA 4044
si4044 ps	cgaugagacgaaauucgaauc	passenger strand of TBSV siRNA 4044
si4418 gs	aagagucugucuuaucgcgccu	guide strand of TBSV siRNA 4418
si4418 ps	gcgaguaagacagacucuua	passenger strand of TBSV siRNA 4418