

SUPPLEMENTARY MATERIALS

Supplementary Table 1

List of PCR primers and CAPS, SSLP markers for fosmid cloning and mapping

Locus, Marker	Forward primers	Reverse primers
Fosmid clone		
selection primers		
A760	CTC GTC GAA CGC ATG ACC TT	GGA TTT GTT CTG TTT CCT TGC A
A790	AAA GCG GCT TCT CGC TTT AGA	GAG AAT TCC TTA CAC TTG T
B820	CCA TCT GGA TAT AAC CGA GGA	GAG ATG GGT TTT AAC TTC ATC TT
D970	AGA TTC AGT TAA GAC AAG TGT TTA	ATC CTT ACC ACG GTA AGA TCT T
D000	ACT ATC GAA GCG AGC CTG AA	CCA AGC TCG TCA TTG CAG AAA
C890	TGC AGC TGG AAT AGG TTT ATC A	GCA GAA CCT ACA CAG ACT ACA
C870	TTA AAT ATG GAA GGC TGT ACA GA	TGA GAT TGA GTC CTT TGC ATC T
Northern probe		
PR1	GTA GGT GCT CTT GTT CTT CCC	CAC ATA ATT CCC ACG AGG ATC
TRSV CP	GCT GTG ACG GTT GTT CCC G	CGA AAG TGT CAC CCA ATT GAA T
3' race primers		
870-8U	CAA TCT AAG CTA TTC AAG TAA GTT	
870-9U	TTA AAT ATG GAA GGC TGT ACA GA	
CAPS, SSLP		
markers		
X15S	TTG TTT TCT AAT TTT CGT GTC GAT	AGG ATT AAA GGT ACG CTG TTT AT
SMS	ATT TAG ATA AAA CCC AAT ACC GAA	TCC CGT CTT GTA TCA ACT GAA T
Z57S	TTT CAA ATT AGT ATT CTC TAT GTT	GAA TTT TGA TTT GGG AAT TCA TA
Z67S	TAG AAA GAA ATG GTT TTA TTA ATG G	TTT TAT TTA AGC TTG TTG ATA TGC
Y68C	TTT ATT AGT GGC ACG TAC TGC A	TAC TAG GGA AAT GAA TTG TCT GA
Z10S	AAA CCA TAT TGT ATC GCG AT	TAA TCT TAC GCA TTC TAT TTT GCT

Supplementary Table 2

Segregation of the LSN disease phenotype in F₁ and F₂ plants of Est × Col-0 upon TRSV inoculation.

Crosses	Tolerant ^a	Sensitive ^b	Total number of plants analyzed	Ratio ^c	χ^2	P ^d
Col-0 × Est F ₁	0	47	47	All sensitive		
Col-0 × Est F ₂	13	44	57	1:3	0.146	0.7024
Est × Col-0 F ₁	0	32	32	All sensitive		
Est × Col-0 F ₂	25	80	105	1:3	0.079	0.7787

The female parent is listed first for all crosses. F₁ and F₂ plants were inoculated at 3 weeks. Symptom evaluation was performed 10 days postinoculation with TRSV.

^aTolerant: no disease symptoms

^bSensitive: systemic necrosis

^cRatio: tolerant to sensitive ratio

^dP: 1 df, $P > 0.05$