

Appendix A Primers used for PCR amplification

Primers name	Sequence
TA	GGCTCGAGATGTCTTACAGTATCACTAC
TB	CCGGATCCTGGGCCCTACCGGGGGTAA
TMf1	CCGGAAAAAAGAGTGATGTCCG
TMr1	CCGTTATTTATTATGCATCTTGACTACC
ToA	CCGGATCCATGTCTTACTCAATCAC
ToB	GTAAGCTTGTTAACTGGGCCCAACCGGGGGGT
ToMf1	CAAATCCTCAAAAAGAGGTCCG
ToMr1	CAAAC TTTATATTT CAGCACCTATGCA
TobamoF	GCWAAGGTKGTWYTBGTRGAYGG
TobamoR	GTAATTGCTATTGDGTWCCWGC
ToMMVF	AGAGAGATGGCGATAGGTAAAC
ToMMVR	CTGCAGTCATAGGATCTACTTC
5' GSP	GATTACGCCAAGCTTGGAGAAGTGGAAAGCGGCATAGCAC
3' GSP	GATTACGCCAAGCTTTTCAACAGCAGTTCAGCGAGGTGTG
Frag1-127F	GGTAACAACACCCTGGTCA
Frag1-1405R	CAACATCCC ACTCAGACCTA
Frag2-1143F	AGAAGATTCCTCATCCGTC A
Frag2-2356R	GGTTCTTTGCGGATGGTTTA
Frag3-2065F	GAATCTTCGTTTACAAGGAGCG
Frag3-3653R	TTCTCATCCTTCGGTGCT
Frag4-3247F	ACACCCGTATCCATCATTG
Frag4-4522R	GCAGACTGTCATCACCACA
Frag5-4285F	GAAATCTGGAGAAGACTGGG
Frag5-5745R	CGACGGAGAAGTAATAGCG
Frag6-5440F	GATTACAAGAGTGGATGACGC
Frag6-6208R	CCTTTATTACTTAGGACGCTGG