

TABLE S1. List of primers used in this work.

Primer	Created vector	Sequence (5'-3')
S_AtREM1.3_NdeIF	pETDuet1- StrepII_AtREM1.3	TACGTCCATATGGCTAGCTGGAGCCACCCGAGTTTCGA AAAAATCGAAGGGCGCTTAGAAACATCCACACGTTGC
AtREM1.3_XhoIR	pETDuet1- StrepII_AtREM1.3	TACGTCCTCGAGTTAGAAACATCCACACGTTGC
AtREM1.3-N_XhoIR	pETDuet1- StrepII_AtREM1.3-N	TACGTCCTCGAGTTATTCCAAGTCGGCAAGTATC
S_AtREM1.3-C_NdeIF	pETDuet1- StrepII_AtREM1.3-C	TACGTCCATATGAAAGAGAAGAAAACGTCATTC
AtREM1.3-CΔ_XhoIR	pETDuet1- StrepII_AtREM1.3- CΔ	TACGTCCTCGAGTTATTTAGCTTCAACCATTGCTCTC
AtREM1.3_BsaIF	pENTR-D- AtREM1.3-N	TTTGGTCTCACCTTATGGCGGAGGAGCAAAAAGACG
AtREM1.3_BsaIR	pENTR-D- AtREM1.3-C	AAAGGTCTCACCTTCAAACATCCACACGTTGC
AtREM1.3-N_BsaIR	pENTR-D- AtREM1.3-N	AAAGGTCTCACCTTCTATTCCAAGTCGGCAAGTATC
AtREM1.3-C_BsaIF	pENTR-D- AtREM1.3-C	TTTGGTCTCACCTTATGAAAGAGAAGAAAACGTCATTC
IMPa1_BsaIF	pENTR-D- IMPa1	TTTGGTCTCTCACCATGTCACTCAGACCCAACGCTAAGA
IMPa1_BsaIR	pENTR-D- IMPa1	AAAGGTCTCACCTTTCAGCTGAAGTTGAATCCTCCG
IMPa2_BsaIF	pENTR-D- IMPa2	TTTGGTCTCTCACCATGTCTTTAAGACCTAACGCTAAGA
IMPa2_BsaIR	pENTR-D- IMPa2	AAAGGTCTCACCTTTCAGCTGAAGTTGAATCCACCT
IMPa3_BsaIF	pENTR-D- IMPa3	TTTGGTCTCTCACCATGTCTCTCAGACCTAGCGCGAAGA
IMPa3_BsaIR	pENTR-D- IMPa3	AAAGGTCTCACCTTTCAAATAAAGTTGAATTGACCA
IMPa6_BsaIF	pENTR-D- IMPa6	TTTGGTCTCTCACCATGTCTTACAAACCAAGCGCGAAGA CT
IMPa6_BsaIR	pENTR-D- IMPa6	AAAGGTCTCACCTTTCAAACCAAGTTGAATCCACCCGTA GGA
AtREM1.3_S66A_F	pKS- AtREM1.3- S66A	AAGAAAGCTTCATCTGGTgGgGCCG
AtREM1.3_S66D_F	pKS- AtREM1.3- S66D	AAGAAAGCTTCATCTGGTgacGCCG
AtREM1.3_P_R	pKS- AtREM1.3- S66A	AGGTGTATGCTCCTCGATGGG

Underline and lowercase indicate restriction sites and mutated nucleotides, respectively.