

Supplementary Table 4. Oligonucleotides used for qRT-PCR, cloning and genotyping.

Name	Target gene	Sequence (5'-3')	Purpose
qFER1 F	<i>At5g01600</i>	TCCCAGTTAGCTGATTTCCG	Q-RT-PCR
qFER1 R	<i>AtFER1</i>	CTTTGCCGATCATCCTTAGC	
qAtIRT1F	<i>At4g19690</i>	CGTGCGTCAACAAAGCTAAA	Q-RT-PCR
qAtIRT1R	<i>AtIRT1</i>	TCTGGTTGGAGGAACGAAAC	
qFRO2f	<i>Ag1g01580</i>	GATCGAAAAAAGCAATAACGGTGGTT	Q-RT-PCR
qFRO2r	<i>AtFRO2</i>	GATGTGGCAACCACTTGGTTCGATA	
qFITf	<i>At2g28160</i>	CAGTCACAAGCGAAGAACTCA	Q-RT-PCR
qFITr	<i>AtFIT1</i>	CTTGTAAGAGATGGAGCAACACC	
NIG1 QS	<i>At1g47400</i>	ATGTCTTTTGTGCGAAACTTGGC	Q-RT-PCR
NIG1 QA	<i>AtIRP1/AtIMA1</i>	CACCACCATTCTCACTATATGCCAC	
qAtbHLH38f	<i>At3g56970</i>	GACGGTACCACAGACTTATGAAGT	Q-RT-PCR
qAtbHLH38r	<i>AtbHLH38</i>	TAAGCTCTTTGAAACCGTTTCAGGA	
qAtbHLH39f	<i>At3g56980</i>	GACTTATGGAGCTGTTACAGCGGT	Q-RT-PCR
qAtbHLH39r	<i>AtbHLH39</i>	CTTCAAGCTTCGAGAAACCGTCGCA	
q47400F	<i>At1g47400</i>	TGATTGTAATTTAGGAGGAAACAAAA	Q-RT-PCR
q47400R	<i>AtIMA1</i>	TCAATCCACAAGTAAACATCTATGG	
qAtEFf	<i>At5g19510</i>	GCTGTTCGTGGTGTGAGATGC	Q-RT-PCR
qAtEFr	<i>AtEF1B</i>	AGGCTCTGAGGTGAGGAAGTCT	
q30766F	<i>At2g30766</i>	TGAGTCACAACAACGCAGAAAGG	Q-RT-PCR
q30766R	<i>AtIMA3</i>	GGCCAAGTCTGAGTTGATTCTGT	
qIMA1alldelF	<i>At1g47400</i>	TGAGTCACAACAACGCAGAAAGG	Q-RT-PCR
qIMA1alldelR	<i>AtIMA1, Δ1, Δ2, Δ3</i>	GGCCAAGTCTGAGTTGATTCTGT	
EF1α-QS	<i>AT5G60390</i>	GAGCCCAAGTTTTTGAAGA	Q-RT-PCR
EF1α-QA	<i>AtEF1α</i>	CTAACAGCGAAACGTCCCA	
IMA1 _{cDNA} -BamHI F	<i>At1g47400</i>	GCGGGATCCCATCAACATTTGAAGCTCA	Cloning
IMA1 _{cDNA} -BamHI R	<i>IMA1 cDNA</i>	CGCGGATCCGGAAACTAGCAATATTATAA	
IMA1 _{CDS} -XbaI F	<i>At1g47400</i>	AAATCTAGAATGATGTCTTTTGTGCGAAACTTG	Cloning
IMA1 _{CDS} -SacI R	<i>IMA1 CDS</i>	AAAGAGCTCTCACGCAGCAGGAGCATAATC	
IMA3 _{CDS} -XbaI F	<i>At2g30766</i>	AAATCTAGAATGGCAGTGGTGAGTCACAACAACGC	Cloning
IMA3 _{CDS} -SacI R	<i>IMA3 CDS</i>	AAAGAGCTCTCAAGCCCGCGGTGCAACG	
IMA1Δ1 F	<i>At1g47400</i>	PO ₃ ²⁻ -GCTTCCACCGTGTATGTT	Cloning
IMA1Δ1 R	<i>IMA1Δ1 CDS</i>	PO ₃ ²⁻ -TGCGACAAAAGACATCAT	
IMA1Δ2 F	<i>At1g47400</i>	PO ₃ ²⁻ -GAGAATGGTGGTGTGACGATG	Cloning
IMA1Δ2 R	<i>IMA1Δ2 CDS</i>	PO ₃ ²⁻ -ATCTACCACATCTTCAACATACACGG	
IMA1Δ3 F	<i>At1g47400</i>	PO ₃ ²⁻ -AGTGGCTATGATTATGCTCCTGC	Cloning
IMA1Δ3 R	<i>IMA1Δ3 CDS</i>	PO ₃ ²⁻ -ACCATTCTCACTATATGCCACTCGAGAAC	
M13 F	<i>pIMA1TOPO</i>	GTTGTAAAACGACGGCCAGTC	Cloning
M13 R		TGCCAGGAAACAGCTATGACC	
EYFP ATG F	<i>EYFP</i>	CACCATGGTGTGAGCAAGGGCGAGG	Cloning
EYFP STOP R	<i>in pGWB541</i>	TCACTGTACAGCTCGTCCATGC	
IMA1 _{pep} F	<i>At1g47400</i>	CACCATGGTGGTGTGACGATGACAGTGGCTATGAT	Cloning
IMA1 _{pep} R	<i>IMA1_{pep}</i>	TCACGCAGCAGGAGCATAATCATAGCCACTGTC	
promIMA1 F	<i>At1g47400</i>	CACCGTGTCTTAGTCCTTAACCACAATCAC	Cloning
promIMA1 R	<i>IMA1 promoter</i>	TGATATTTTTTGTGGATATGAATGAAAG	
IMA2 GE seq F	<i>At1g47395</i>	TTCGCAAACCTCCATAGAGGCATC	Genotyping
IMA6 GE seq R	6 IMAs genomic region	CTACCATGATCATCACAATTTACAGGC	
IMA3 GE seq F	<i>At2g30766</i>	CAACTCCATGACACAATGGTTTTTGACC	Genotyping
IMA3 GE seq R	IMA3 genomic region	GACCACAAAAGGCTGAGCAAAGG	
IMA7 GE seq F	<i>At2g44744</i>	CGAAGGATGTGTCAGGGCACAA	Genotyping
IMA7 GE seq R	IMA7 genomic region	GGTGCAGGCTCTTTTCTTGAGT	