

**Supplemental Table 2 Summary of the CArG motifs in the *OsRDR1* promoter region**

Location	Sequence
-729	ctatattatg
-923	ctaaaatttg
-1311	ccaaaaaagg
-1401	ctatattttg
-1436	ctttattttg

**Supplemental Table 3 Summary of the primers and probes in this study**

**Primers**

**Y2H assay**

M23-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTTAATGGGGAGAGGGAAGATAG
M23-R	GGGGACCACTTTGTACAAGAAAGCTGGGTC AGTGGTAACAACCTTCCTGC
M27a-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTTAATGGGGAGGGGGAAGATTGT
M27a-R	GGGGACCACTTTGTACAAGAAAGCTGGGTC TGGATTCAACTGTAACCCTA
M57-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTTAATGGGGAGGGGGAAGATAG
M57-R	GGGGACCACTTTGTACAAGAAAGCTGGGTC AGGCAGATGAAGTCCCAG

**Y1H assay**

**pGAD424**

m23-F	GGAATTCATGGGGAGAGGGAAGATAGAGATAA
m23-R	CGGATCCCTAAGTGGTAACAACCTTCCTGCTT
m27a-F	GGAATTCATGGGGAGGGGGAAGATTGTG
m27a-R	CGGATCCTCATGGATTCAACTGTAACCCTAGC
m57-F	GGAATTCATGGGGAGGGGGAAGATAGTGATA
m57-R	CGGATCCTTAAGGCAGATGAAGTCCCAGTTCTG

**pLACZi2u**

pRDR1-F1	GGAATTCTATCTTGCTACTTCCTCCG
pRDR1-R1	GGGTACCTGATGCAATAGGCAATGGC

**EMSA**

**MADS-GST**

M23-BamHI-F	GGATCCTAATGGGGAGAGGGAAGATAG
M23-EcoRI-R	GAATTCGCAGTGGTAACAACCTTCCTGC
M27a-BamHI-F	GGATCCTAATGGGGAGGGGGAAGATTGT
M27a-EcoRI-R	GAATTCGCTGGATTCAACTGTAACCCTA
M57-BamHI-F	GGATCCTAATGGGGAGGGGGAAGATAG
M57-EcoRI-R	GAATTCGCAGGCAGATGAAGTCCCAG

**Biotin-labeled probe**

RDR1-F1	GTGCTAGAAATAGCTATATTTTGGGACGGA
RDR1-R1	TCCGTCCCAAATATAGCTATTTCTAGCAC
RDR1-mF1	GTGCTAGAAATAGAAAAAAAAAAGGACGGA
RDR1-mR1	TCCGTCTTTTTTTTTTCTATTTCTAGCAC

**Subculler localization**

m27a-XbaI-F	GCTCTAGAATGGGGAGGGGAAGATTGT
m27a-BamHI-R	CGGGATCCGCTGGATTCAACTGTAACCCTA
m23-XbaI-F	GCTCTAGAATGGGGAGAGGGGAAGATAG
m23-BamHI-R	CGGGATCCGCAGTGGTAACAACCTTCCTGC
m57-XbaI-F	GCTCTAGAATGGGGAGGGGAAGATAG
m57-BamHI-R	CGGGATCCGCAGGCAGATGAAGTCCCAG

#### **BiFC**

ne-ce M23-XbaI-F	GGAGAGAACACGGGGGACTCTAGAATGGGGAGAGGGGAAGATAGA
ne-ce M27a-XbaI-F	GGAGAGAACACGGGGGACTCTAGAATGGGGAGGGGAAGATTGT
ne-ce M57-XbaI-F	GGAGAGAACACGGGGGACTCTAGAATGGGGAGGGGAAGATAG
ne M23-KpnI-R	GTAGTCCATCCCGGAGCGGTACCAGTGGTAACAACCTTCCTGC
ce-M23-KpnI-R	TGGGTACATCCCGGAGCGGTACCAGTGGTAACAACCTTCCTGC
ne M27a-KpnI-R	GTAGTCCATCCCGGAGCGGTACCAGTGGATTCAACTGTAACCCTAG
ce-M27a-KpnI-R	TGGGTACATCCCGGAGCGGTACCAGTGGATTCAACTGTAACCCTAG
ne M57-KpnI-R	GTAGTCCATCCCGGAGCGGTACCAGGCAGATGAAGTCCCAGTT
ce-M57-KpnI-R	TGGGTACATCCCGGAGCGGTACCAGGCAGATGAAGTCCCAGTT

#### **Transient expression in *Nicotiana Benthamiana***

##### **35S:MADS**

M23-BamHI-F	GAACACGGGGGACTCTAGAG ATGGGGAGAGGGGAAGATAGA
M23-SacI-R	CGATCGGGGAAATTCGAGCT CTAAGTGGTAACAACCTTCC
M27a-BamHI-Fw	GAACACGGGGGACTCTAGAG ATGGGGAGGGGAAGATTGTG
M27a-SacI-R	CGATCGGGGAAATTCGAGCT CTAAGTGGTAACAACCTTCC
M57-BamHI-F	GAACACGGGGGACTCTAGAG ATGGGGAGGGGAAGATAGT
M57- SacI-R	CGATCGGGGAAATTCGAGCT TTAAGGCAGATGAAGTCCCA

##### **Promoter: GUS**

pRDR1-HindIII-F	CAAGCTTTTCGGTTCTTGGGCTGATCATC
pRDR1-XbaI-R	CTCTAGAGCGCGACGGTAGTGAGCAGAG
mpRDR1-HindIII-F	CAAGCTTCCATGTGCATTTCTATATTCCG

##### **miR444-resistant constructs**

M23-MR-Fw	GCCGCCTCCCTCCGCCAACAGCTCCATAACTTGCAAGAATATCATC
M23-MR-Rv	TGGAGCTGTTGGCGGAGGGAGGCGGCCTCCTGTTGCCAAAGCTTTG
M27a-MR-Fw	AGCCGCCTCCCTCCGCCAGCAGCTCCACAACCTTGCAAGAAAATCATCG
M27a-MR-Rv	TGGAGCTGCTGGCGGAGGGAGGCGGCTTCCCTTTGCCAAAACCTTAAG
M57-MR-Fw	GCCGCCTCCCTCCGCCAACAGCTCCATAATCTCCAAGAAAGCCACAAGCAACTG
M57-MR-Rv	AGATTATGGAGCTGTTGGCGGAGGGAGGCGGCCTCCCTCTGCCAAATCTTAA

##### **ChIP-PCR**

P1	TTGGTTGAGAGGAGGAGGTAGGTGAAGA
P2	ACGGAGGGAGTAGTCTGGTCTGTAAAT
P3	GCCGATGTGCCCTAATTAACCAAAGCTA
P4	TGGCAAAAACAAAACAACGTGAAC

##### **Small RNA gel blot probes**

miR444	AAGCTTGAGGCAGCAACTGCA
miR528	CTCCTCTGCATGCCCTTCCA