

ARF degradation defines a deeply conserved step in auxin response

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Supplementary Information Table 1

Primer	Sequence 5' > 3'	Description
MdR298	TGCATGCCTGCAGGTCGACTAAAAGCCTGTAATCACACGACG	Fw promoter <i>MpARF2</i>
MdR299	GCTGTCTAGAGGTCGGAACCTTCTGTCTAAATGC	Rv promoter <i>MpARF2</i>
MdR306	TTAGACAGAAGTTCCGACCTATGTCAGAAGCATCTTCCA	Fw A2 CDS to clone into pA2_XbaI_mNG
MdR314	ATGCTGCCGCCGCCAAGCTGCATGTCGTCGCCGCGCG	Rv PB1 to clone into pA2_XbaI_mNG
MdR308	CCATGCGGCAACGAAGAAATCTCGATT	Fw E297K mutation and assemble into XbaI site of pA2_XbaI_mNG
MdR309	AATCGAGATTTCTTCGTTGCCGCATGG	Rv E297K mutation into XbaI site of pA2_XbaI_mNG
MdR310	CGGAGAAATCTCAATTCTCTAATTT	Fw R300Q mutation into XbaI site of pA2_XbaI_mNG
MdR311	AAATTAGAGAGAATTGAGATTTCTCCG	Rv R300Q mutation into XbaI site of pA2_XbaI_mNG
MdR312	ATGCGGCAACGAAGAAATCTCAATTCTCTCT	Fw E297K + R300Q into XbaI site of pA2_XbaI_mNG together with PB1 rev
MdR313	AGAGAGAATTGAGATTTCTTCGTTGCCGCAT	Rv E297K + R300Q into XbaI site of pA2_XbaI_mNG together with A2 start fw
MdR412	GCGGCAACGGAGAAAAATCGATTCTCTCTAA	Fw S299N mutation into XbaI site of pA2_XbaI_mNG
MdR413	TTAGAGAGAATCGATTTTTCTCCGTTGCCGC	Rv S299N mutation into XbaI site of pA2_XbaI_mNG
MdR315	ATGCTGCCGCCGCCAAGCTGGAAGGGCTCCACTTCCCATG	Rv A2 AD (DBD end) to clone into pA2_XbaI_mNG
MdR317	ATGGCTCCAAAGAAGAAGAGAAAGGTC	Fw A2 DBD to add SV40 NLS at N-terminus
MdR318	TTAGACAGAAGTTCCGACCTATGGCTCCAAAGAAGAAG	Fw SV40 NLS to clone into XbaI of plasmid pGWB100 pA2_XbaI_mNG
MdR319	GGTTGTAAATTAGAGAGAATTGAGATTTCTCCGTTGCCGC	Rv R300Q mutation into XbaI pA2_XbaI_mNG
MdR320	GCGGCAACGGAGAAATCTCAATTCTCTCTAATTTACAACCC	Fw R300Q mutation into XbaI pA2_XbaI_mNG
MdR372	TTAGACAGAAGTTCCGACCTATGGCTCCAAAGAAGAAGAGAAAGG	Fw SV40 overhang into xbaI with nls
MdR373	ATGCTGCCGCCGCCAAGCTGAACTGGACCTTGTTGGAAATTTGCGACG	Rv MpA2 MR overhang into xbaI with nls
MdR374	ATGCTGCCGCCGCCAAGCTGCATGTCGTCGCCGCGCGCCC	Rv MpA2 PB1 overhang into xbaI with nls
MdR381	TGGTTGTCCCTGCACTGCCAGATGGGCAGCGGCCGCGAGAAC	Rv swap degon MpARF3 into MpARF2 DBD longer overhang
MdR382	CCCATCTGGCAGTGCAGGGACAACCATTCTCTCTAATTTACAACCCTCG	Fw swap motif MpARF3 in MpARF2 DBD
MdR424	GCCCATGCGCTAGCGAGCAGTTCTCCATTCTCTCTAATTTACAACC	Fw swap motif MeARFab in MpARF2 DBD
MdR425	TGGAGAACTGCTCGCTAGCGCATGGGCAGCGGCCGCGAGAA	Rv swap motif MeARFab in MpARF2 DBD
MdR426	CCATGCGGTAAGGCACCTAAAACCATTCTCTCTAATTTACAACCCT	Fw swap motif CsARFab in MpARF2 DBD
MdR427	ATGGTTTTAGGTGCCTTACCGCATGGGCAGCGGCCGCGAGAAC	Rv swap motif CsARFab in MpARF2 DBD
MdR428	CCATGGGGCAGCGTATGGACAACCATTCTCTCTAATTTACAACCCT	Fw swap motif ScARFab in MpARF2 DBD
MdR429	AATGGTTGTCCATACGCTGCCCCATGGGCAGCGGCCGCGAGAAC	Rv swap motif ScARFab in MpARF2 DBD
MdR430	ATGCGGCAGCGTCGGGACAGACATTCTCTCTAATTTACAACCCTCGA	Fw swap motif CmARFabc in MpARF2 DBD
MdR431	GAATGTCTGTCCCGACGCTGCCGCATGGGCAGCGGCCGCGAGAAC	Rv swap motif CmARFabc in MpARF2 DBD
MdR359	GTTCCCGTACTTATCGCATGGGCAGCGGCCGCGAGAA	Rv swap motif AtARF2 in MpARF2 DBD
MdR360	ATGCGATAAGTACGGGAACCTATGTTCTCTCTAATTTACAACCCTCGATC	Fw swap motif AtARF2 in MpARF2 DBD
MdR389	CCCATGCGGCAATTTCCGGATCTACATTCTCTCTAATTTACAACCCTCGATC	Fw swap motif SmARF2 in MpARF2 DBD
MdR390	AATGTAGATCCCGAAATTGCCGCATGGGCAGCGGCCGCGAGAACCCC	Rv swap motif SmARF2 in MpARF2 DBD
MdR353	TTCCCTCCCTTGACGCATGGGCAGCGGCCGCGAGAA	Rv swap motif PpARF2 in MpARF2 DBD
MdR354	CCATGCGTCAAGGGAGGGAATGCGATTCTCTCTAATTTACAACCC	Fw swap motif PpARF2 in MpARF2 DBD
MdR349	GAATCGAGAATTCGTCGCTGCCGCATGGGCAGCGGCC	Rv swap motif MpARF1 in MpARF2 DBD
MdR350	CCGCTGCCCATGCGGCAGCGACGAATTCTCGATTCTCTCTAATTTACAACCC	Fw swap motif MpARF1 in MpARF2 DBD