

Table S2 Genotyping markers used to positionally clone AR241 and AR211.

Positional markers for AR241 mutations				
Gene	Enzyme	Wt	AR241	Oligonucleotides ^a
<i>At1g54990</i>	<i>MfeI</i>	235, 30	265	ATGATTCAGCTTTAGGGTTAGCTTCAATT AGCAACAACAGCTTCTCTCC
<i>At2g17500</i>	<i>EcoRI</i>	239, 29	268	CATGGGACTTACATTTCTAATCGGAGGAATT TCCTCATCGCAGATTGCTG
<i>At3g08850</i>	<i>HinfI</i>	152, 153	305	TGATGTTTCGGTCACTGAAC CGAAATTCTTCAAACCCGAACC
<i>At4g19110</i>	<i>BsmI</i>	331, 28	359	GTCACCTCGTAGTAGTGTATCCGAGAATG ATTGACGAGGCAAAGACGC
<i>At5G08330</i>	<i>NdeI</i>	267	130, 137	ACAACGACGGAGCAGTGAG AGTAGTGCCAGTTCCAGTGG
<i>At5g28850</i>	<i>HinfI</i>	242	148, 94	GCATCGGGTCTAATTCTGCC AGAAATCAGTGAGTAACTCCATTCC
Positional markers for AR211 mutations				
Gene	Enzyme	Wt	AR211	Oligonucleotides ^a
<i>At1g10940</i>	<i>BspHI</i>	211	178, 33	AGTTGCCAGGCTCATGAAG GTTAAACACCCAATCAGCTAACG
<i>At1g29540</i>	<i>HinfI</i>	130, 151	281	CCTAAGGCACAGCAACAC GGAAGAAGAGGAAGAATGAAGCC
<i>At1g58250</i>	<i>BglII</i>	211, 30	241	TTAAAGATGTTGAAGCATCTCGAATGAGAT GATGTTCTTCTCAACTCCTGAGC
<i>At1g70950</i>	<i>MseI</i>	229	200, 29	AGAGTCAATGTGAGTTTGATGAGGAAATT TGTTTCATCGAGTTTCGATCCC
<i>At2g24850</i>	<i>FokI</i>	159, 174	333	GGTCGCGGAGATGGCTAG ATTGCTTGAACCTGTTGGTG
<i>At2g44760</i>	<i>MseI</i>	290	225, 65	GAAATGGCGGAGAAGGATAAGC TCCTACACCTTTCCAAATCCC
<i>At3g01300</i>	<i>DdeI</i>	262	138, 124	CTACAACCTAGCAATGCAGAAAGC TGACCCTGAAGGCCATCAG
<i>At3g03405</i>	<i>HinfI</i>	130, 166	296	GGAGAATCTATCTACACAACTGTTGG CATATTGCATGAGATGGGAGAAACC
<i>At3g16880</i>	<i>AccI</i>	282	166, 116	CAGTAACCTAGAGATGTGGTTTGG AGAATTTCTTTTACAGAGACATCC
<i>At3g21430</i>	<i>FokI</i>	200, 30	230	TAGTGCCGTGAAAAGCAGCAAAAAGGAT GAGACTAGAACACACCTGCAG
<i>At3g49060</i>	α TaqI	241, 30	211	CACTGAGAAGACTGGTTAAAGGAGAGATCCG CCATATACATAAGATCCTTTACCCGAC
<i>At3g56600</i>	<i>HaeIII</i>	177.96	273	TCTAACGGAGTTGGAGCTGC AAGACTAAGCCCTGCAGCAG
<i>At4g01670</i>	<i>AccI</i>	352, 30	382	TGAGCTTGAACCGGTCGGGTTTCGTATA GCCCATATTTAATCCCCACC
<i>At4g09870</i>	<i>HinfI</i>	234	204, 30	GGAAATCGTATGCCTTTCCC CGACAAAAAACTTAGTCCAGGGCAAGAA
<i>At4g12120</i>	<i>MfeI</i>	150, 171	321	TGCAGATGTATGTCGTGCC GCTCACTGACTGAGGCAAAG
<i>At4g13370</i>	<i>AluI</i>	250	165, 85	CGCTTGAATTCGCTACTCC GAGCAAGCGCTTGTCTCAC
<i>At4g24800</i>	<i>XhoI</i>	221, 30	251	GACATTTTGAATGAATATGTGGAGACTCGA CAAGAGCAAGATCATCAAGGC
<i>At5g15730</i>	<i>HinfI</i>	321	191, 130	TGGAACAACCACACCAAGATC

<i>At5g26990</i>	HaeIII	187, 30	217	GGGAAATGAGTGGATCTGTACAC GAGAGAGTTTCCTGATGGAAATTTTCAG <u>G</u> TGAAGCATACCTTTTCAGGC
<i>At5g40360</i>	BspHI	300	270, 30	ATAAATATTCGTAGGTTGTTGGTGAGAAT <u>C</u> GTTGCCAACTATCTTGTGGACTTC
<i>At5g46040</i>	Hpy188I	230, 30	260	ACCCATAAATGGAGGCTCTGTACTATC <u>T</u> CA GCATTGAGAATGTTGTGAAGCC
<i>At5g53120</i>	Hpy188I	82, 185	267	GACGACAGTACTCATTCTCTTCC TTCTCGTTCTAGACGACGAGG
<i>At5g56450</i>	Hpy188I	300	270, 30	ATGATGAAGTGAAGAGGTTCTTGAATT <u>C</u> GG TTGAGCTTAGACCAATCCATGTC
<i>At5g57090</i>	AcI	217, 230	247	TCCTCAAGGAATCGTTCCTTTTGT <u>T</u> CCG TTACAGGCAAAGCAACCAGC
<i>At5g66140</i>	BglII	230	200, 30	TACCCAAAGTGGTGGTGTGAGACC <u>T</u> AG CAGAGCACGGATAGCGAG

^aUnderlined nucleotide is the introduced mutation for this dCAPS genotyping marker (MICHAELS AND AMASINO 1998; NEFF *et al.* 1998).