

Table S1 primer list

purpose	primer name	sequences	
For Real time PCR	<i>LUC of 35S F</i>	CCACGCTGGGCTACTTGATC	
	<i>LUC of 35S R</i>	TCCTCCTCGAAGCGGTACAT	
	<i>LUC of RD29A F</i>	GCGACCAACGCCTTGATT	
	<i>LUC of RD29A R</i>	TCCCAGTAAGCTATGTCTCCAGAA	
	<i>RD29A F</i>	TGATCGATGCACCAGGCGTAAC	
	<i>RD29A R</i>	CCCTGGTGGGAATAATTCCTCCG	
	<i>18S rRNA F</i>	CGGCTACCACATCCAAGGAA	
	<i>18S rRNA R</i>	GCTGGAATTACCGCGGCT	
For Bisulfite sequencing	<i>pRD29A nested</i>	GTAATGTAAAATGATTATATGATGGG	
	<i>pRD29A converted</i>	GGATCGATTATTAATAATAGTAAGTTAT	
	<i>pRD29A exo R1</i>	ATTCTATAATTTATATTCAACCCATATC	
	<i>pRD29A exo R2</i>	AAACTCAACATAAATAATATCCACC	
	<i>pRD29A endo R1</i>	CTAAAATTTAAAATCTACCTAAATACTAC	
	<i>pRD29A endo R2</i>	ATAATAATTCCTCTATTTAATCCATTTTCC	
	<i>AtGP1 F1</i>	TATAGTGTATAGTTGAGTAGAGTG	
	<i>AtGP1 F2</i>	TTGTAGTTTGAGTTGTGGAGTTTG	
	<i>AtGP1 R</i>	CAAAAAATACTCAATACCAATCCTCTA	
	<i>AtMEA-ISR F</i>	AAAGTGGTTGAGTTTATGAAAGGTTTTAT	
	<i>AtMEA-ISR R</i>	CTTAAAAAATTTCAACTCATTTTTTTAAAAAA	
For Mcr-PCR	<i>AtSIN F</i>	ACTTAATTAGCACTCAAATTAACAAAATA	
	<i>AtSIN R</i>	TTTAAACATAAGAAGAAGTTCCTTTTTTCAT	
	<i>AtGP1 F</i>	ACAGTGCCACAGTTGAGCAG	
	<i>AtGP1 R</i>	CAGAAAAATACTCGGTGCCAAT	
	<i>AtMu1 F</i>	GTGGATATACCAAAAACACAA	
	<i>AtMu1 R</i>	CTTAGCCTTCTTTTCAATCTCA	
	<i>AtMEA-ISR F</i>	TCCAACATGTTTTTCACATCTTC	
	<i>AtMEA-ISR R</i>	GGTTATGAATGAAGTATAGTTAG	
	<i>AtCOPIA4 F</i>	CTCACTCAAGCTTCGGTTCC	
	<i>AtCOPIA4 R</i>	TGTTGGTGAAGGACCGTACA	
	<i>ACTIN2 F</i>	AAACCTCAAAGACCAGCTCTT	
	<i>ACTIN2 R</i>	AACGATTCCTGGACCTGCC	
	For expression analysis	<i>COR15A F</i>	AGCGGAGCCAAGCAGAGCAG
		<i>COR15A R</i>	TGCGGCTTCTTTTCTTTCTCC
		<i>DREB1b F</i>	CGGCGGGCCGTAAGAAGTTT
<i>DREB1b R</i>		GACGGCGGCGGTAAAAGCAT	
<i>MET1 5'</i>		ATCTGCAAGGCTATGAATGAGC	
<i>MET1 3'</i>		CTTCTTGAGATGTAGGGCTTCT	
<i>CMT3 5'</i>		AGGGACTTTCCTGGTGTATTG	
<i>CMT3 3'</i>		TGCAAGCTCGGAAGGAAGAGTTGGC	
<i>DRM2 5'</i>		GAAGTGGCACTTCATCGTCTC	
<i>DRM2 3'</i>		AGATCCTCTCATCCTCGCACGT	
<i>ABI3 5'</i>		GTGGCAAGTGTGATCATGG	
<i>ABI3 3'</i>		CGTGAAAACCGTCCAAATCT	
<i>At3g29650 5' TE</i>		AAAGGAATGATTCGCCTGGC	
<i>At3g29650 3' TE</i>		TCAAACCTCTGGCTTCACAGGTC	
For Southern blot		<i>LUC2 5'</i>	ATGGAAGATGCCAAAAACAT
	<i>LUC2 3'</i>	GAAGTCGTA CTGTTGAAGC	
	<i>LUC 5'</i>	ATGGAAGACGCCAAAAACATAAAG	
	<i>LUC 3'</i>	CCTTTTTGAAAACGAACACCAC	
TAIL PCR	LB-3 for pGWB	CGTCCGCAATGGTTATTAAGT	
	LB-2 for pGWB	TTGCCGCCGATCTTCATAGGG	
	LB-1 for pGWB	CCACCTCACCTTGGGTTTCTT	
	LB-3 for pGWB	ATGGTTCACGTAGTGGGCCATCG	
	LB-2 for pGWB	AGTGGACTCTGTTCCAAACTGG	
	LB-1 for pGWB	CAAACCAGCGTGGACCGCTTGCTGCAAC	
For insertion check	<i>LP for 35S::LUC2</i>	ATGAGTGAAGAAGACGGCGGCT	
	<i>RP for 35S::LUC2</i>	TCTAACCTCTGCTTCTTCTTCG	
	<i>LB for 35S::LUC2</i>	CGTCCGCAATGGTTATTAAGT	
	<i>LP for RD29A::LUC</i>	ATGTTCGAATAACCATAGATGAT	
	<i>RP for RD29A::LUC</i>	TGAAAATATCCACAGTTCCCAT	
	<i>LB for RD29A::LUC</i>	GCGTGGACCGCTTGCTGCAACT	