

Supplementary Table S3. Primers used in this study.

Primer Name	Sequence 5'→3' ^a	Template	Purpose
ORF-CDA1 F	ATGCGGGATCCATGGATAAGCCAAGCTTCGTAATC	CDA1	Cloning of <i>At</i> CDA ORFs in the expression vector pBIN61
ORF-CDA1 R	GATCGCCCCGGGCTAAGCTTCATAGCAATGAAACAC	CDA1	
ORF-CDA2 F	ATGCGGGATCCATGGCACAACGTCCTAACTTGTTA	CDA2	
ORF-CDA2 R	GATCGCCCCGGGTTAATAATGAAGACCAGTGTAATCC	CDA2	
ORF-CDA3 F	ATGCGGGATCCATGGCACAAGATCAGTACAAGTTCG	CDA3	
ORF-CDA3 R	GATCGCCCCGGGTCATCCACGGTACCAGTTCCC	CDA3	
ORF-CDA4 F	ATGACACAACAGCTCAAATTCATTC	CDA4	
ORF-CDA4 R	TCAATTTTCTGCGGTCTTGTGACAA	CDA4	
ORF-CDA5 F	ATGCGGGATCCATGGCACAACAGTACAAGTTCGTT	CDA5	
ORF-CDA5 R	GATCGCCCCGGGTTATAGTTTGATCCAATCTTTGAGCT	CDA5	
ORF-CDA6 F	GATCGCCCCGGGATGAAGTTCGTTTACACTCCCAG	CDA6	
ORF-CDA6 R	GATCGCCCCGGGTTAATTTTATTGGTCTTATAGCAATG	CDA6	
ORF-CDA7 F	ATGCGGGATCCATGGCGGCACAAGATAAGTACAA	CDA7	
ORF-CDA7 R	GATCGCCCCGGGCTATTTCAGTAATAAACTTTTTTTGGAG	CDA7	
ORF-CDA8 F	ATGCGGGATCCATGGCACAGCCCATGCGCT	CDA8	
ORF-CDA8 R	GATCGCCCCGGGTTATTTGCAATGTAAGACCCTGAAA	CDA8	
ORF-CDA9 F	ATGCGGGATCCATGGCACAACCCCCAAACC	CDA9	Synthesis of amiR
ORF-CDA9 R	GATCGCCCCGGGCTACTGGCAATGTAAGACACGT	CDA9	
miR-s	GATTGACGCCTAAGAAGATCCGT TCTCTCTTTGTATTCC ^b	miRNA319a	
miR-a	GAACGGATCTTCTTAGGCGTCAAT CAAAGAGAATCAATGA ^b	miRNA319a	
miR*s	GAACAGATCTTCTTACGCGTCAT TCACAGGTCGTGATATG ^b	miRNA319a	
miR*a	GAATGACGCGTAAGAAGATCTGT TCTACATATATATTCC T ^b	miRNA319a	
OligoA	CTGCAAGGCGATTAAGTTGGGTAACG	pBlueScript SK	
OligoB	GCGGATAACAATTTACACAGGAAACAG	pBlueScript SK	
pACN-F	TAGCTGAACATCTATATAAGG	pACN	Cloning of amiR under <i>A. nidulans</i> ethanol regulon
pACN-R	CAGAAATTATATGATAATCATCG	pACN	
pSRN-F	AAATATAGCGCGCAAACCTAG	pSRN-bin	
pSRN-R	AAGGCGATTAAGTTGGGTAA	pSRN-bin	
HCa8Fdeg	ATAAAACYTYAYYAAAATAY	CaMV	3D-PCR
HCa8Rdeg	GCTTYRTAAYATYTAARATT	CaMV	
qCDA1-F	GCGGCGTTGGTTGATTATGT	<i>At</i> -CDA1	RT-qPCR quantification

qCDA1-R	CCTCTCGTATCCTCCTCCACC	<i>At</i> -CDA1	
T7-CDA1F	TAATACGACTCACTATAGGATGGATAAGCCAAGCTTCGTAATC	<i>At</i> -CDA1	RT-qPCR Standard RNA synthesis.

GenBank accession numbers: *AtCDA1*: At2g19570; *AtCDA2*: At4g29570; *AtCDA3*: At4g29580; *AtCDA4*: At4g29600; *AtCDA5*: At4g29610; *AtCDA6*: At4g29620; *AtCDA7*: At4g29630; *AtCDA8*: At4g29640; *AtCDA9*: At4g29650; CaMV: M10376. Sequences of amiR3-1-9, and of the cloning vectors pACN and pSRN-ACN are available upon request.

^aRestriction sites are in italics

^b21-mer sequence designed using WMD web tool for design of amiRs is in bold; WMD is available at <http://wmd.weigelworld.org>, and the protocols the synthesis of amiRs are thoroughly described in ref. 48.