

Table 1: Discovered miRNA

miRNAs	Source miRNAs	PL	MFE	Mature Sequence	NM	ML	MSA
dca-miR156a	ath-miR156c-5p	83	-61.90	UGACAGAAGAGAGUGAGCAC	0	20	5'
dca-miR157a	ath-miR157c-5p	85	-86.80	UUGACAGAAGAUAGAGAGCAC	0	21	5'
dca-miR159a	ath-miR159a	165	-89.90	UUUGGAUUGAAGGGAGCUCU _g	1	21	3'
dca-miR160a	ath-miR160a-5p	81	-55.80	UGCCUGGCUCCCCUGUAUGCCA	0	21	5'
dca-miR164a	ath-miR164b-5p	66	-83.00	UGGAGAAGCAGGGCACGUGCA	0	21	5'
dca-miR166a	ath-miR166b-3p	121	-74.70	UCGGACCAGGCUUCAUUCCCC	0	21	3'
dca-miR166b	ath-miR166g	106	-57.70	UCGGACCAGGCUUCAUUCC _u C	1	21	3'
dca-miR167a	ath-miR167a-5p	66	-60.90	UGAAGCUGCCAGCAUGAUCU _u	1	21	5'
dca-miR167b	ath-miR167b	125	-46.20	UGAAGCUGCCAGCAUGAUCUA	0	21	5'
dca-miR168a	ath-miR168a-5p	97	-86.80	UCGCUUGGUGCAGGUCGGG _{Ac}	1	21	5'
dca-miR169a	ath-miR169c	70	-56.50	CAGCCAAGGAUGACUUGCCGG	0	21	5'
dca-miR169b	ath-miR169i	118	-70.30	UAGCCAAGGAUGACUUGCCU	0	20	5'
dca-miR169c	ath-miR169k	127	-86.50	UAGCCAAGGAUGACUUGCCUG	0	21	5'
dca-miR169d	ath-miR169l	126	-83.30	UAGCCAAGGAUGA _u UUGCC	1	19	5'
dca-miR169e	ath-miR169n	94	-75.60	UAGCCAAGGAUGACUUGCC	0	19	5'
dca-miR170a	ath-miR170-3p	78	-52.50	UGAUUGAGCCGUG _c CAAUAUC	1	21	3'
dca-miR171a	ath-miR171a-3p	81	-72.20	UGAUUGAGCCGCGCCAAUAUC	0	21	3'
dca-miR171b	ath-miR171c-3p	87	-67.00	UUGAGCCG _c GCCAAUAUCAC _u	2	21	3'
dca-miR172a	ath-miR172b-3p	78	-66.20	AGAAUCUUGAUGAUGCUGCAU	0	21	3'
dca-miR319a	ath-miR319a	168	-87.40	UUGGACUGAAGGGAGCUC _{CC}	0	20	3'
dca-miR319b	ath-miR319b	198	3.2	UUGGACUGAAGGGAGCUC _{CC}	0	19	3'
dca-miR390a	ath-miR390a-5p	104	-81.90	AAGCUCAGGAGGGGAUAGCGCC	0	21	5'
dca-miR395a	ath-miR395d	61	-67.30	CUGAAGUGUUUGGGGGAACUC	0	21	3'
dca-miR396a	ath-miR396a-5p	81	-69.29	UUCCAC _g GCUUUCUUGAACUG	1	21	5'
dca-miR396b	ath-miR396b-5p	165	-78.10	UUCCACAGCUUUCUUGAACUU	0	21	5'
dca-miR398a	ath-miR398a-3p	78	-77.70	UGUGUUCUCAGGUCACCCCUU	0	21	3'
dca-miR398b	ath-miR398b-3p	77	-61.90	UGUGUUCUCAGGUC _g CCCCUG	1	21	3'
dca-miR399a	ath-miR399c-3p	89	-78.60	UGCCAAAGGAGAGUUGCCCU _c	1	21	3'
dca-miR403a	ath-miR403-3p	87	-69.60	UUAGAUUC _g CGCACAAACUC	1	20	3'

Name of the newly identified miRNA, closest miRNA found in miRBase, PL = Precursor miRNA Length, MFE = Minimum Free Energy given by RNAfold, NM = Number of mismatches relative to sequence of reference of column 2 (lower case is base found in *Daucus carota* and not in reference), ML = Mature sequence Length, MSA Mature Sequence Arm.