

**Supplementary Table S9 Primer sequences**

miRNA /Gene name	Primers	Primer sequence(5'-3')
U6	F	GGAGGCAGAGGCATTGGA
	R	CCCACCTTTGTTACCACTTTG
zma-miR169o-5p_R-1	RT primer	GTCGTATCCAGTGCAGGGTCCGAGGTAT
		TCGCACTGGATACGACAGGCAA
	Forward primer	CGCTGCATTAGCCAAGAATGA
zma-miR390a-5p	RT primer	GTCGTATCCAGTGCAGGGTCCGAGGTAT
		TCGCACTGGATACGACGGCGCT
	Forward primer	AATTGTACAAGCTCAGGAGGGA
zma-miR396c_L-1	RT primer	GTCGTATCCAGTGCAGGGTCCGAGGTAT
		TCGCACTGGATACGACCAGTTC
	Forward primer	AACGGCTCCACAGGCTTTC
zma-miR444a_1ss12TC	RT primer	GTCGTATCCAGTGCAGGGTCCGAGGTAT
		TCGCACTGGATACGACAAGCTT
	Forward primer	AATTGTACTGCAGTTGTTGCCT
zma-miR397b-p5	RT primer	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACT
		GGATACGACGCTCATC
	Forward primer	AAGCACTTGAGCGCAGCGTT
PC-5p-46450_101 (novel-miR)	RT primer	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACT
		GGATACGACGCAATGA
	Forward primer	CGCCGGTCCAAGTCAATGCA
General reverse primer		CAGTGCAGGGTCCGAGGTAT
$\beta$ -actin	$\beta$ -actin-F	CATCCACGAGACCACCTACAA
	$\beta$ -actin-R	CGAGCCACCAATCCAAACA
GRMZM2G165488	GRMZM2G165488-F	CCGATGGCTGTTGTCTGTAGG
	GRMZM2G165488-R	ACCCAAGCACCTGGAATTCA
GRMZM2G134396	GRMZM2G134396-F	CGACTATCATCGGAACCC
	GRMZM2G134396-R	TCCAAAGTGAAGCAGCAA
GRMZM2G105335	GRMZM2G105335-F	CACCAGAAGGGGGACAAGG
	GRMZM2G105335-R	CCACCGTTACGGAAGCG
GRMZM2G098594	GRMZM2G098594-F	AGCGTCATCGGGGAACAA
	GRMZM2G098594-R	TGGGAGTGGGACTGGGAGTA
GRMZM2G399072	GRMZM2G399072-F	GGGTCGCTGGCAATAAGGA
	GRMZM2G399072-R	AAGTTGGTCACCGCGTTGAG
GRMZM2G133568	GRMZM2G133568-F	TGATGGGAGAGGATCTTTCTGG
	GRMZM2G133568-R	CCTTTCGATTCAATTCGTGGA
GRMZM2G033230	GRMZM2G033230-F	ATGGACGATGGAGCTGACCT
	GRMZM2G033230-R	CGCTGCTGAAGAACTCGTCG
GRMZM2G009871	GRMZM2G009871-F	GCTCATCCACGACGACAAGG
	GRMZM2G009871-R	CAGTAGTTGTCCCATCGCCG
GRMZM2G165488	GRMZM2G165488-GNSP	CAGCAGCAGCAGCAGCAGCAGCAGCGACCA
	GRMZM2G165488-GSP	CAGCAGCAGCGACCATAATGGAGGCGCCAA

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<i>GRMZM2G399072</i>	<i>GRMZM2G399072-GNSP</i>	TCATTGAAGAATAACATGCATG
	<i>GRMZM2G399072-GSP</i>	TGCATGCATGTGGAACCATTAC

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