

Table 1 Suppl. Forward and reverse primers for reverse transcriptase (RT) PCR and real time qPCR, and outer and inner primers for 5'-RACE.

Primers		Forward 5' - 3' (*outer)	Reverse 5' - 3' (*inner)
RT-PCR	pde-miR171	GCAGATGGTACAGTGTGTGTAACG	AATGGAATGGAATGGAGTGGATGA
	pde-miR482c	GGCGAGAAGGCCTTATTGTTTTGT	TAGGGATGTGTAGTGAAGGCCAAT
	pde-actin	AGAAATCCAGCCCCCTTGT	CCCCATACCAACCATCACA
Real time qPCR	pde-miR171	TGTTGGCTAGGCTCAATCGG	TGTGATATTGGCACGGCTCA
	pde-miR482	TGGCTTGCAGGGTAGGAAA	GGCTTGGGAGGAGTGGGAAA
	unigene45569	TTTGCAGGACTTCCCATTTAC	GAGACTTGTGACGGACTACCC
	unigene10015	AATAATGGTGAAGGCAGAGT	CTGTTGTAACCTGGCTACTTGG
5'-RACE*	unigene45569	TTGAATCTTTGAGCAACACGCACA	CTTTGAGCAACACGCACAATGACT
	unigene10015	TCCAGCGGTGAAGAGATATTTGAA	GCGGTGAAGAGATATTTGAAGTTG

ath-miR171a	TGATTGAGCCGCGCCAATATC...	21
bn-miR171a	...TTGAGCCGTGCCAATATCACG	21
gma-miR171a	TGAGCCGTGCCAATATCACG	20
osa-miR171a	TGATTGAGCCGCGCCAATATC...	21
pde-miR171	TGATTGAGCCGTGCCAATATC...	21
ppt-miR171a	TGAGCCGCGCCAATATCACA	20
pta-miR171	TGATTGAGACGAGTCCATATC...	21
ptc-miR171a	...TTGAGCCGTGCCAATATCACG	21
sbi-miR171a	TGATTGAGCCGTGCCAATATC...	21
smo-miR171a	...TTGAGCCGTGCCAATATCACT	21
zma-miR171a	TGATTGAGCCGCGCCAATAT....	20
Consensus	**** * * * *	
gma-miR482a	TCTTCCCAATTCCGCCATTCT	23
pab-miR482a	TCTTCCCTACTCCTCCCATTC.	22
pde-miR482a	TCTTCCCTACTCCTCCCATTC.	22
pgi-miR482a	TCTTGCCAATTCTCCCATTC.	22
pta-miR482a	TCTTCCCTACTCCTCCCATTC.	22
ptc-miR482a	CCTACTCCTCCCATTC.	17
vvi-miR482	TCTTCCCTACTCCTCCCATTC.	22
zma-miR482	TCTTCTTGTTCCTCCCATTC...	20
Consensus	* *** *****	

Fig. 2 Suppl. The multiple sequence alignment of mature microRNAs (miR171 and miR482) from *Pinus densata* and other plant species: pta - *Pinus taeda*, pab - *Picea abies*, pde - *Pinus densata*, ppt - *Physcomitrella patens*, smo - *Selaginella moellendorffii*, vvi - *Vitis vinifera*, sbi - *Sorghum bicolor*, gma - *Glycine max*, mtr - *Medicago truncatula*, ptc - *Populus trichocarpa*, bna - *Brassica napus*, ath - *Arabidopsis thaliana*, osa - *Oryza sativa*, zma - *Zea mays*, pgi - *Panax ginseng*.