Figure 1

A

pSc200 monomer

*Bfa*I restriction

446bp

208bp

B

IGS

ETS

ITS1　ITS2

25S

18S

5.8S

25S

+828　　353 bp　　+1181

18S

qrt-PCR amplification product

800bp

1043bp

1186bp

↑ Transcription start site

Figure 2

A

Accession	ID	Query start	Query end	Subject start	Subject end	Strand	Score	Evalue
MI0013263	osa-MIR2921	43	90	129	176	-	87	3.3
MI0010876	sbi-MIR169k	25	52	11	38	+	86	3.9
MI0010897	sbi-MIR396d	254	288	48	82	+	85	4.8
MI0019046	osa-MIR5526	194	228	20	54	+	85	4.8

B

```
Query: 43-90        osa-MIR2921 : 129-176        score: 87        evalue: 3.3

   pSc200        90  aaauuugagcguaauugcgauaacuuucauuuuuuccaauccugcau    43
                     || ||   | || |||||| |||| ||   | | |||| |||| | ||
   osa-MIR2921  129  aaguucuaucuauaauugugauaucuagcuuguuuuaugaucauuuau  176


Query: 25-52        sbi-MIR169k : 11-38        score: 86        evalue: 3.9

   pSc200        25  ugauaugccggcucaucaaaauuugagc    52
                     |||  |||||||||| ||||| ||  |||
   sbi-MIR169k   11  ugacuugccggcuccucaaauuugaagc    38


Query: 254-288        sbi-MIR396d : 48-82        score: 85        evalue: 4.8

   pSc200       254  ugcuuguucucacuugcuuugagagucucgaucaa    288
                     ||||||| |||| || ||||||| |    | | ||||
   sbi-MIR396d   48  ugcuugcucucgcucgcuuuguguugaugguucaa    82


Query: 194-228        osa-MIR5526 : 20-54        score: 85        evalue: 4.8

   pSc200       194  aaguccuaucaccucaauucccaauagcuuucca    228
                     ||| ||| |||||||||  || | || |  || |||
   osa-MIR5526   20  aagaccucucaccucagcucucaaacacauuacca    54
```

Supplementary Material (Legends)

Figure 1. Schematic representation of pSc200 and 45S rDNA sequences. **A** Schematic representation of the tandem organization of pSc200 repetitive sequence showing *Bfa*I restriction sites and primers used to produce pSc200 FISH probe (gray arrows) and for quantitative real time PCR analysis (black arrows). **B** Schematic representation of 45S rDNA subunit showing primers used to produce the rDNA FISH probe (gray arrows) and for quantitative real time PCR analysis (black arrows).

Figure 2. pSc200 microRNA prediction. MicroRNA prediction for pSc200 sequence (EU333404.1) obtained from miRBase (http://www.mirbase.org/) using BLASTN searching for stem-loop sequences in the Monocotyledons database. **A** Matches for pSc200 nucleotide sequence. **B** Alignment of pSc200 to hairpin miRNAs.