Figure S1 The length distribution of the small RNA in four miRNA libraries.

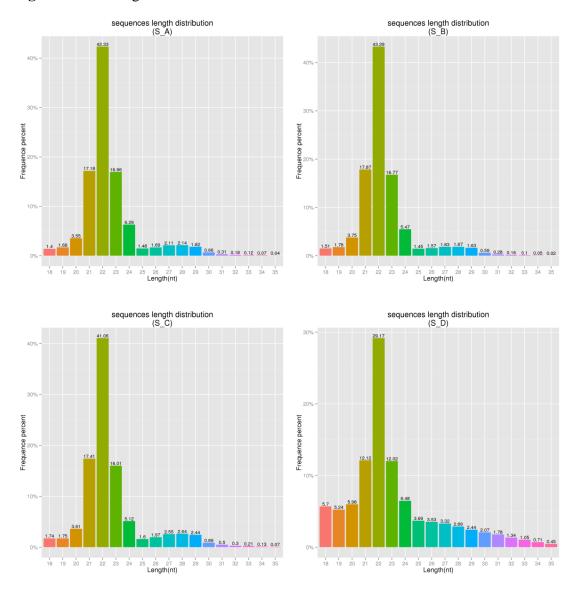


Figure S2 The distribution of reads on chromosomes.

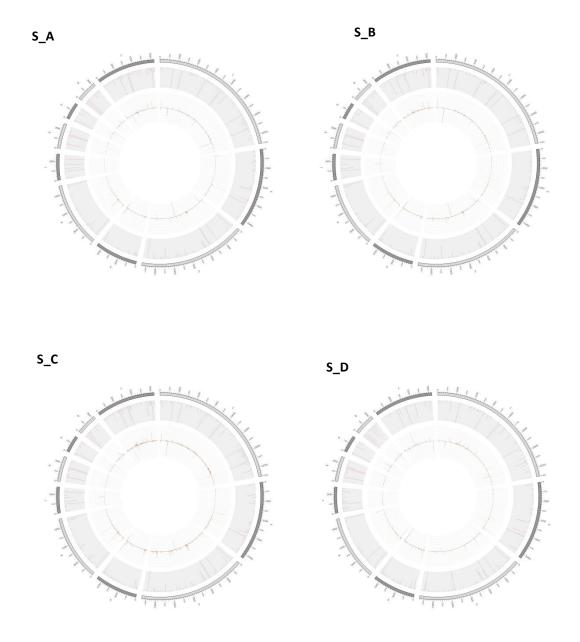


Figure S3 The volcano maps of differently expressed miRNAs.

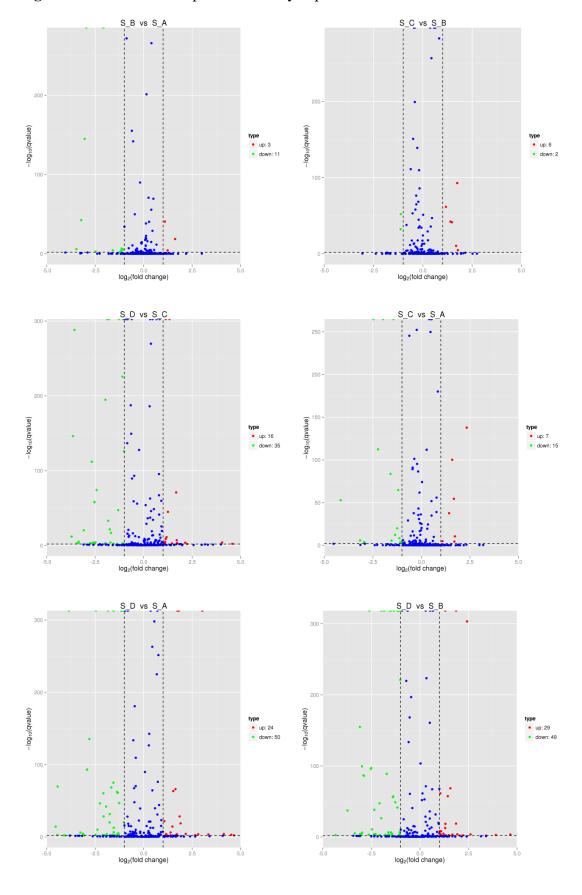
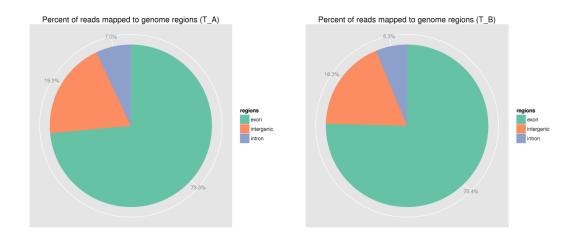


Figure S4 The reads distribution of four cDNA libraries.



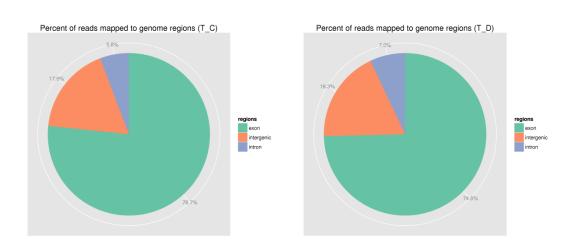


Figure S5 The volcano maps of differently expressed mRNAs.

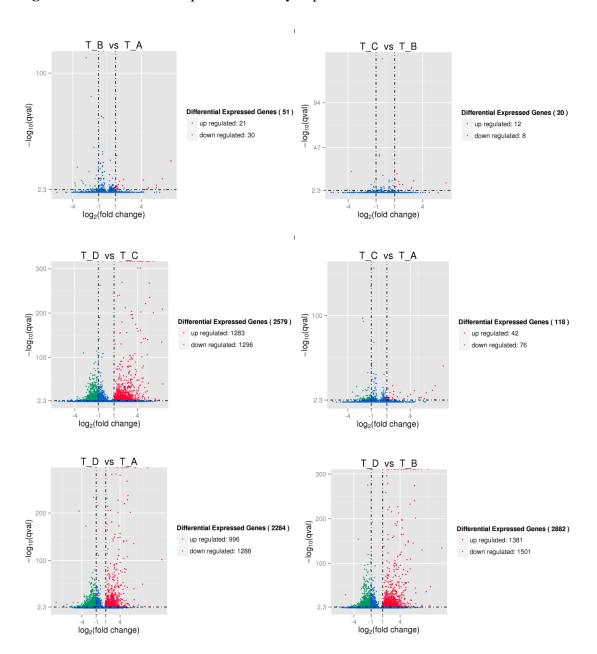
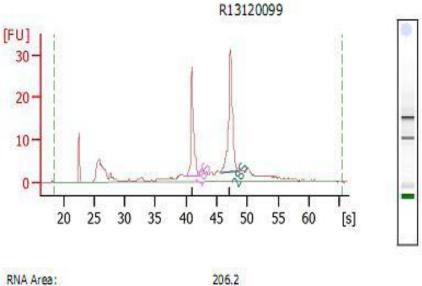


Figure S6 The details of RNA quality determined using an Agilent 2100 Bioanalyzer.





 RNA Area:
 206.2

 RNA Concentration:
 101 ng/μl

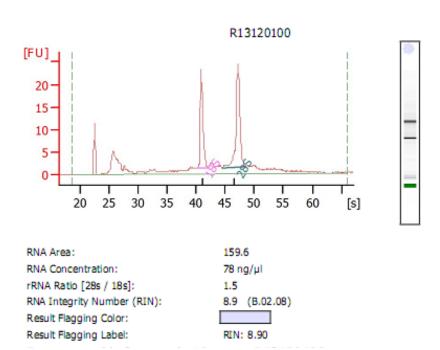
 rRNA Ratio [28s / 18s]:
 1.4

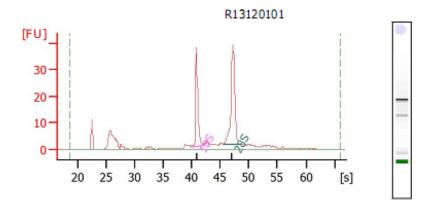
 RNA Integrity Number (RIN):
 8.9 (B.02.08)

 Result Flagging Color:
 Result Flagging Label:

 RIN: 8.90

S_B





RNA Area: RNA Concentration: 209.0 102 ng/µl 1.7

rRNA Ratio [28s / 18s]: RNA Integrity Number (RIN):

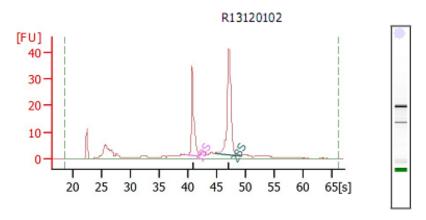
9.4 (B.02.08)

Result Flagging Color:

Result Flagging Label:

RIN: 9.40

S_D



RNA Area:

206.0

RNA Concentration:

101 ng/µl

rRNA Ratio [28s / 18s]:

1.8

RNA Integrity Number (RIN):

9.4 (B.02.08)

Result Flagging Color:

RIN: 9.40

Result Flagging Label:

Figure S7 The quality of RNA samples detected by 1% agarose gel electrophoresis.

