SUPPLEMENTAL FIG. S1. Preliminary validation analysis of 6 candidate miRNAs (miR-27a, miR-27b, miR-502-3p, miR-510, miR-640 and miR-767-5p) by qRT-PCR in 48 samples. miR-27b was uniquely detected to be highly expressed in the ejaculated spermatozoa of patients with asthenozoospermia. Data were shown as mean±SEM,**P<0.01. Norm, normozoospermic volunteers group; Asth, asthenozoospermic patients group.

SUPPLEMENTAL FIG. S2. The specificity of CRISP2 antibody tested by Western Blot in 293T cells and spermatozoa sample. Abbreviations: A: 293T cells (negative control). B: 293T cells transfected with CRISP2 plasmid (positive control). C: Spermatozoa sample.
Supplemental Figure S1

A

Relative expression (miR-27b / U6b)

**

n=24

Norm

Asth

B

Relative expression (miR-27a / U6b)

p=0.2278

n=24

Norm

Asth

C

Relative expression (miR-502-3p / U6b)

p=0.2955

n=24

Norm

Asth

D

Relative expression (miR-510 / U6b)

p=0.9921

n=24

Norm

Asth

E

Relative expression (miR-640 / U6b)

p=0.8466

n=24

Norm

Asth

F

Relative expression (miR-767-5p / U6b)

p=0.6833

n=24

Norm

Asth

Copyright 2014 by The Society for the Study of Reproduction.
Supplemental Figure S2

A: 293T cells (negative control)
B: 293T cells transfected with CRISP2 plasmid (positive control)
C: Spermatozoa sample