

Figure S1. Optimal shRNA for SPAG6 was screened via RT-qPCR and western blotting analysis, and revealed as SPAG6-shRNA3. (A) Relative mRNA expression level of SPAG6 was detected via RT-qPCR. Gene expression was normalized to GAPDH in the same sample. Data are presented as the mean \pm standard deviation of three independent experiments. ** $P < 0.01$ vs. NC-shRNA. (B) Relative protein expression levels of SPAG6 were detected using western blot analysis. NC, negative control; shRNA, short hairpin RNA; RT-qPCR, reverse transcription-quantitative PCR; SPAG6, sperm-associated antigen 6; ns, not significant.

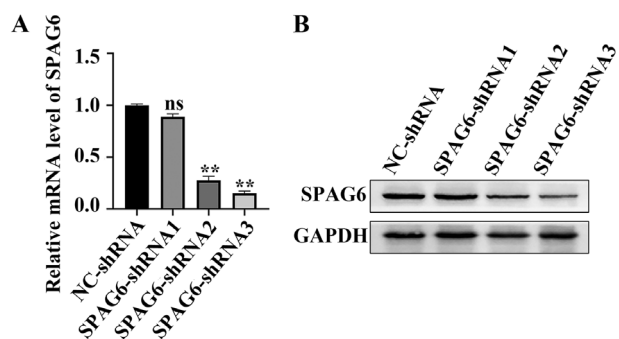


Table SI. Three different target sequences for SPAG6-shhairpin RNA.

Sequence name	Target sequences for SPAG6 shRNA, 5'→3'	GC, %
SPAG6-shRNA1	CATAAAGAATATCCTGCAA	31.58
SPAG6-shRNA2	AGCTCATTCTGAGAACCTA	42.11
SPAG6-shRNA3	AAAGCATTCTCCAGAGTTA	36.84
SPAG6, sperm-associated antigen 6; shRNA, short hairpin RNA.		