

Table S1. Primers Used for Amplification and Verification of *USP26* Mutations

Primer Names	Primer Sequences (5'-3')	Tm
M1-F	CTCCTGGATACCTAACACC	48°C
M1-R	CAAAGAACCTCCTAAGACC	
M2-F	GCCTCCTGGATACCTAAC	49°C
M2-R	CAAACAGTGCCCGAAA	

Table S2. Primers Used for RT-qPCR Assay

Primer Names	Primer Sequences (5'-3')	Tm
H- <i>USP26</i> -F	CAAAGAACCTCCTAAGACC	60°C
H- <i>USP26</i> -R	AGATGGCTGACAACACTAA	
H- <i>GAPDH</i> -F	GGAGCGAGATCCCTCCAAAAT	60°C
H- <i>GAPDH</i> -R	GGCTGTTGTCATACTTCTCATGG	

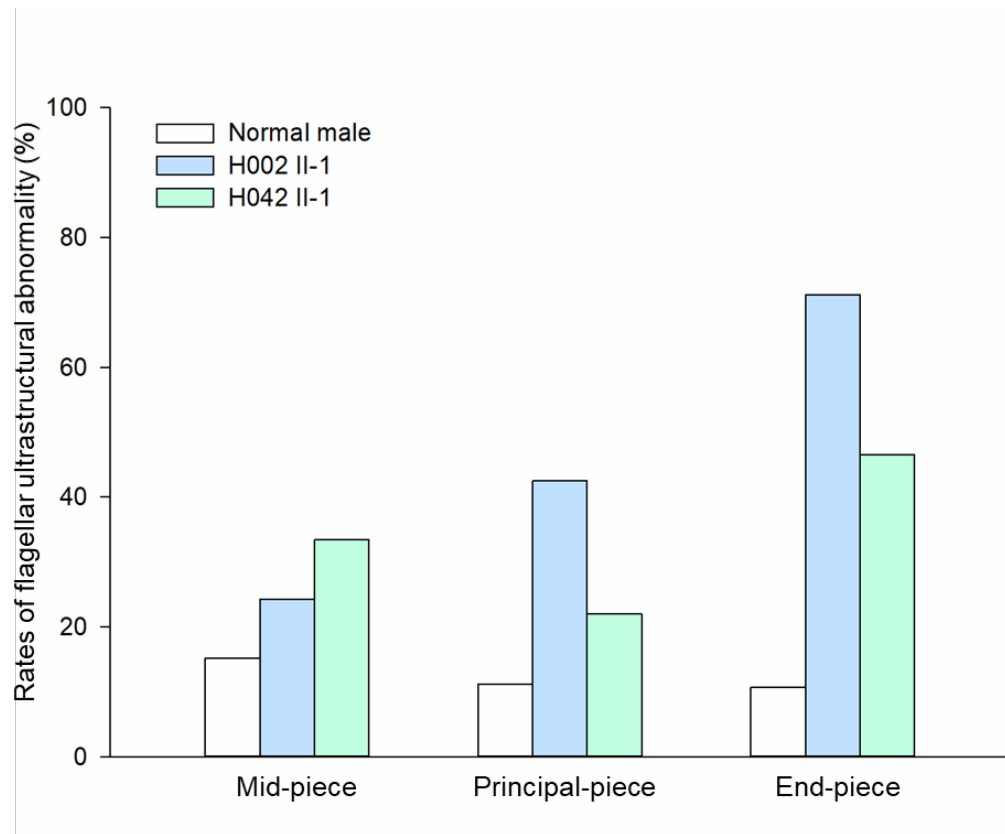


Figure S1. The rates of flagellar ultrastructural abnormality in the spermatozoa from a normal male control and men harboring hemizygous *USP26* variants. For each case, more than one hundred cross sections were counted for the analysis of abnormal ultrastructure.