

Supplementary Table S1 Semen characteristics of fertile men, and young men from the general population in Japan.

	Fertile (n = 791)	Young (n = 1224)	P
Age (years)	31.2 ± 4.8	20.8 ± 1.7	<0.0001
BMI (kg/m ²)	23.3 ± 3.0	21.6 ± 2.5	<0.0001
Ejaculation abstinence (hours)	193.8 ± 324.7	78.5 ± 39.1	<0.0001
Conc. (× 10 ⁶ /ml)	105.1 ± 83.2	76.3 ± 57.6	<0.0001
Vol. (ml)	3.1 ± 1.5	2.9 ± 1.4	0.0005
TSN (× 10 ⁶)	315.8 ± 293.7	207.5 ± 178.4	<0.0001
TMSN (× 10 ⁶)	181.7 ± 165.0	122.7 ± 100.3	<0.0001
Motility (%)	59.8 ± 20.8	59.2 ± 15.1	0.525

Data are represented as mean ± standard deviation. *P*-values were obtained with Student's unpaired *t*-test.

The sperm concentration, semen volume, total sperm number and total motile sperm number were processed using square-root-transformed values.

Conc., sperm concentration; Vol., semen volume; TSN, total sperm numbers; TMSN, total motile sperm numbers.