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

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

Data are represented as mean  $\pm$  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.