Supplementary Table SV Intake of high pesticide residue fruits and vegetables and adjusted[a] semen quality parameters [mean (95% CI)] after additional adjustment for selected dietary factors.

Quartile intake [range, servings/day]	Total sperm count (millions)	Sperm concentration (millions/ml)	Total motility (% PR + NP)	Progressive motility (% PR)	Sperm morphology (% normal)	Semen volume (ml)
Adding intake of processed meat (serving/day) to the multivariable model in the main analysis						
Q1 [0.2, 0.6]	171 (133, 220)	66.4 (48.9, 90.3)	51.6 (44.2, 59.0)	29.4 (24.5, 34.3)	7.5 (6.3, 8.7)	3.0 (2.6, 3.5)
Q2 [0.6, 0.9]	156 (123, 198)	55.3 (43.4, 70.5)	47.9 (42.1, 53.7)	26.9 (23.1, 30.6)	6.4 (5.2, 7.6)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	103 (81, 132)*	37.5 (28.4, 49.4)*	45.3 (38.3, 52.3)	25.8 (21.2, 30.5)	6.0 (5.1, 7.0)	3.0 (2.7, 3.4)
Q4 [1.5, 3.6]	85 (62, 116)*	43.9 (31.9, 60.3)	39.6 (30.1, 49.0)	25.2 (16.9, 33.5)	5.1 (3.9, 6.2)	2.1 (1.7, 2.5)
P, trend[b]	0.002	0.15	0.09	0.53	0.02	0.001
Adding intake of fish (serving/day) to the multivariable model in the main analysis						
Q1 [0.2, 0.6]	168 (129, 217)	65.8 (48.5, 89.3)	51.3 (43.8, 58.8)	29.3 (24.3, 34.3)	7.4 (6.2, 8.6)	3.0 (2.6, 3.5)
Q2 [0.6, 0.9]	153 (121, 194)	54.7 (42.9, 69.7)	47.6 (41.9, 53.3)	26.8 (23.0, 30.6)	6.3 (5.1, 7.5)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	101 (79, 129)*	36.9 (27.9, 48.7)*	44.9 (38.0, 51.8)	25.7 (21.1, 30.4)	5.9 (5.0, 6.9)	3.0 (2.7, 3.3)
Q4 [1.5, 3.6]	90 (65, 123)*	44.6 (32.4, 61.6)	39.7 (30.3, 49.2)	25.1 (17.0, 33.2)	5.3 (4.1, 6.4)*	2.2 (1.7, 2.6)*
P, trend[b]	0.008	0.19	0.10	0.51	0.05	0.005
Adding intake of low-fat dairy (serving/day) to the multivariable model in the main analysis						
Q1 [0.2, 0.6]	169 (130, 220)	64.0 (47.6, 86.1)	50.8 (43.5, 58.1)	28.7 (23.8, 33.6)	7.5 (6.3, 8.7)	3.1 (2.7, 3.5)
Q2 [0.6, 0.9]	155 (121, 197)	53.7 (41.8, 68.9)	47.3 (41.4, 53.3)	26.4 (22.6, 30.2)	6.4 (5.2, 7.6)	3.2 (2.7, 3.6)
Q3 [0.9, 1.5]	102 (80, 131)*	36.5 (27.7, 48.0)*	44.8 (37.9, 51.7)	25.4 (20.9, 30.0)	6.0 (5.1, 7.0)	3.1 (2.7, 3.4)
Q4 [1.5, 3.6]	88 (63, 123)*	47.1 (33.9, 65.5)	40.8 (31.4, 50.2)	26.4 (18.1, 34.7)	5.1 (4.0, 6.2)*	2.0 (1.6, 2.5)*
P, trend[b]	0.008	0.34	0.17	0.78	0.02	0.0006
Adding intake of saturated fat (% energy) to the multivariable model in the main analysis						
Q1 [0.2, 0.6]	169 (131, 218)	66.1 (48.8, 89.6)	51.8 (44.2, 59.3)	29.5 (24.4, 34.6)	7.6 (6.3, 8.8)	3.0 (2.6, 3.4)
Q2 [0.6, 0.9]	153 (120, 195)	54.4 (42.4, 69.7)	47.5 (41.5, 53.4)	26.7 (22.9, 30.5)	6.4 (5.2, 7.5)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	103 (80, 132)*	37.5 (28.4, 49.4)*	45.3 (38.4, 52.2)	25.8 (21.2, 30.4)	6.0 (5.1, 7.0)	3.0 (2.7, 3.3)
Q4 [1.5, 3.6]	88 (63, 121)*	44.0 (31.9, 60.8)	39.3 (29.7, 48.8)	25.0 (16.7, 33.3)	5.1 (3.9, 6.2)*	2.2 (1.7, 2.6)*
P, trend[b]	0.005	0.18	0.08	0.51	0.02	0.004
Adding intake of *trans* fat (% energy) to the multivariable model in the main analysis						
Q1 [0.2, 0.6]	172 (133, 221)	67.3 (49.8, 90.9)	52.1 (44.5, 59.8)	30.1 (24.8, 35.3)	7.6 (6.4, 8.8)	3.0 (2.6, 3.4)
Q2 [0.6, 0.9]	153 (119, 196)	54.4 (42.2, 70.3)	47.5 (41.5, 53.5)	26.6 (22.9, 30.3)	6.4 (5.2, 7.5)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	102 (80, 130)*	37.1 (28.4, 48.6)*	45.1 (38.3, 51.9)	25.4 (21.1, 29.7)	6.0 (5.0, 6.9)*	3.0 (2.7, 3.4)
Q4 [1.5, 3.6]	87 (64, 119)*	44.0 (32.4, 59.7)	39.2 (29.9, 48.6)	24.7 (16.8, 32.6)	5.1 (4.0, 6.1)*	2.2 (1.7, 2.6)*
P, trend[b]	0.004	0.16	0.08	0.43	0.01	0.005
Adding intake of caffeine (g/day) to the multivariable model in the main analysis						
Q1 [0.2, 0.6]	169 (130, 220)	66.8 (48.8, 91.5)	51.7 (44.3, 59.2)	29.5 (24.5, 34.5)	7.6 (6.4, 8.8)	3.0 (2.6, 3.4)
Q2 [0.6, 0.9]	153 (120, 195)	54.4 (42.6, 69.5)	47.6 (41.7, 53.5)	26.7 (22.9, 30.5)	6.4 (5.2, 7.6)	3.1 (2.7, 3.5)
Q3 [0.9, 1.5]	102 (78, 132)*	36.5 (27.6, 48.4)*	45.5 (38.3, 52.6)	25.9 (21.2, 30.5)	6.0 (5.0, 6.9)*	3.0 (2.7, 3.4)
Q4 [1.5, 3.6]	91 (66, 127)*	48.0 (34.4, 66.9)	39.1 (29.3, 49.0)	24.9 (16.1, 33.7)	5.2 (4.0, 6.4)*	2.1 (1.6, 2.5)*
P, trend[b]	0.009	0.27	0.09	0.50	0.03	0.004

[a]Adjusted for total energy intake, abstinence time, age, BMI, moderate-vigorous physical activity, race, prudent and western dietary patterns, smoking status, history of varicocele and low-to-moderate pesticide fruit and vegetable intake.
[b]Estimated using median intake in each quartile as a continuous variable.
*P-value for trend <0.05 compared with men in the lowest quartile of intake.