**Supplementary Table. ANCOVA results for comparing means of semen parameters**

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| **Variables** | **Average differences in** | **95% CI** | ***p*** |
| **Coffee consumption**No<3 cups/week≥3 cups/week | **Total motility (%)**Reference1.091.15 | Reference1.01, 1.171.00, 1.31 | 0.0110.044\* |
| **Fried food consumption**<1 time/week1-2 times/week≥3 times/week | **Total sperm count (million)**Reference -1.10 -1.29 | Reference-1.29, 1.06-1.66, -1.00 | 0.4190.046\* |

\*：*p*<0.05, analysis of covariance (ANCOVA) was deployed for comparing semen parameters among groups with different lifestyles. Tobacco and alcohol consumption, duration of abstinent, body mass index, sauna experience, cola/coffee consumption, and fried/baked foods consumption, were adopted as covariates.