



Supplementary Figure S5. Differences in epigenetic age accelerations between non-ART and ICSI fathers who had sperm factor as the main cause of infertility. ¹In fathers, the associations were adjusted for smoking, alcohol intake, BMI, education, partner's parity and plate. ²Age-adjusted DNAmTL by Lu *et al.* was multiplied by -1 . DNAmTL declines with advanced chronological age. ³The epigenetic age accelerations as outcome variables were not standardized. ⁴The epigenetic age accelerations as outcome variables were standardized.