

Appendix S3. Crude and adjusted linear regression models of homocysteine levels and SBP or DBP for the overall sample with the respective B coefficient and standard error (SE) (n=4,021).

| Model | Homocysteine | |
|-------|------------------|------------------|
| | SBP | DBP |
| 1 | 0.058*** (0.003) | 0.042*** (0.005) |
| 2 | 0.028*** (0.004) | 0.018*** (0.005) |
| 3 | 0.029*** (0.004) | 0.020*** (0.005) |
| 4 | 0.029*** (0.004) | 0.019*** (0.005) |
| 5 | 0.029*** (0.004) | 0.020*** (0.005) |
| 6 | 0.029*** (0.004) | 0.020*** (0.005) |
| 7 | 0.029*** (0.004) | 0.020*** (0.005) |
| 8 | 0.029*** (0.004) | 0.019*** (0.005) |
| 9 | 0.029*** (0.004) | 0.019*** (0.005) |

Values are presented as B coefficient (SE).

Model 1 - Unadjusted model; Model 2 - Includes adjustment for age; Model 3 - Includes adjustment for age and BMI; Model 4 - Includes adjustment for age, BMI and PISA; Model 5 - Includes adjustment for age, BMI, PISA and PESA; Model 6 - Includes adjustment for age, BMI, PISA, PESA and WBC; Model 7 - Includes adjustment for age, BMI, PISA, PESA, WBC, and Vitamin B12; Model 8 - Includes adjustment for age, BMI, PISA, PESA, WBC, Vitamin B12 and Folate; Model 9 - Includes adjustment for age, BMI, PISA, PESA, WBC, Vitamin B12, Folate and HbA1c (%). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.