

**Supplemental file 1: Statistical significance for different potential confounding factors according to a Mixed (random coefficient) model**

| <b>Dependent variable</b> | <b>Covariate (full model)</b> |                   |
|---------------------------|-------------------------------|-------------------|
|                           | <b>Model #1</b>               | <b>P-value</b>    |
| <b>Satiety iAUC</b>       | <b>TEF iAUC</b>               | 0.1052            |
|                           | Sex                           | 0.0058            |
|                           | Age                           | 0.1533            |
|                           | BMI                           | 0.0183            |
|                           | Caffeine                      | 0.1076            |
|                           | EI dinner                     | 0.4069            |
|                           | EI protein                    | 0.1903            |
|                           | SPA                           | 0.1009            |
| <b>CAS iAOC</b>           | <b>TEF iAUC</b>               | 0.2712            |
|                           | Sex                           | 0.0051            |
|                           | Age                           | 0.1830            |
|                           | BMI                           | 0.0129            |
|                           | Caffeine                      | 0.2972            |
|                           | EI dinner                     | 0.6898            |
|                           | EI protein                    | 0.1547            |
|                           | SPA                           | 0.1058            |
| <b>TEF iAUC</b>           | <b>EI protein</b>             | 0.0085            |
|                           | Sex                           | 0.0110            |
|                           | Age                           | 0.1744            |
|                           | BMI                           | 0.2559            |
|                           | Caffeine                      | 0.0482            |
|                           | EI dinner                     | 0.0162            |
|                           | SPA                           | 0.1448            |
|                           | <b>Satiety iAUC</b>           | <b>EI protein</b> |
| Sex                       |                               | 0.0153            |
| Age                       |                               | 0.1030            |
| BMI                       |                               | 0.0286            |
| Caffeine                  |                               | 0.1893            |
| EI dinner                 |                               | 0.2220            |
| SPA                       |                               | 0.1647            |
| <b>CAS iAOC</b>           |                               | <b>EI protein</b> |
|                           | Sex                           | 0.0091            |
|                           | Age                           | 0.1387            |
|                           | BMI                           | 0.0181            |
|                           | Caffeine                      | 0.3839            |
|                           | EI dinner                     | 0.5016            |
|                           | SPA                           | 0.1441            |

Satiety iAUC: The incremental area under the curve for satiety measured by Visual Analogue Scale.

TEF iAUC: Thermic effect of a meal in kJ/3h (incremental area under the curve for postprandial energy expenditure).

CAS iAOC: Incremental area over the curve for the summary measure Composite Appetite Score. CAS = (satiety + fullness + hunger + prospective food intake) / 4.

EIprotein: Energy intake from protein in dinner meal in MJ

Caffeine: One cup of tea/coffee containing caffeine was served during the measurement of diet-induced thermogenesis.

EIdinner: Energy intake from dinner meal in MJ

SPA: Spontaneous Physical Activity during the first 3 hours after the dinner meal in percent pr. hour.