#### **Supplementary Data**

#### **Analysis using national databases reveals a positive association between dietary polyunsaturated fatty acids with TV watching and diabetes in European females**

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**S1 Figure. Climactic relationships across Europe.** Scatterplot matrix depicting bivariate relationships between the latitude of the European capital cities, mean annual temperature (MAT), maximum July temperature (July\_maxtemp), and total sunlight hours (Sunlight) across European countries. Numbers in the upper diagonal represent Spearman rank correlation coefficients (\* P ≤ 0.10; \*\* P ≤ 0.05; \*\*\* significant at Bonferroni-adjusted alpha, i.e.P ≤ 0.1 ÷ 6 ≈ 0.017). Lines in lower diagonal panels represent locally weighted smoothers.Histograms of each variable are included in the diagonal.