

Supplementary Table S1. Interaction between BP and gender groups by n-6 fatty acid intake.

| <i>n</i> -6 fatty acid | HbA1c level | Hypertension | Normal BP | P value for interaction |
|-------------------------------------|-------------|--------------|--------------|-------------------------|
| | | Average (SD) | Average (SD) | |
| <i>n</i> -6 fatty acid (g/1000kcal) | Male | 4.77 (1.31) | 5.18 (1.41) | 0.312 |
| | Female | 5.56 (1.46) | 5.75 (1.25) | |
| LA (g/1000kcal) | Male | 4.62 (1.28) | 5.02 (1.39) | 0.309 |
| | Female | 5.40 (1.43) | 5.58 (1.23) | |
| GLA (mg/1000kcal) | Male | 3.78 (2.44) | 3.91 (2.45) | 0.700 |
| | Female | 4.16 (2.36) | 4.46 (3.24) | |
| EA (mg/1000kcal) | Male | 22.4 (8.32) | 24.4 (8.23) | 0.452 |
| | Female | 25.4 (8.69) | 26.3 (8.38) | |
| DGLA (mg/1000kcal) | Male | 14.5 (5.18) | 15.3 (4.55) | 0.966 |
| | Female | 16.6 (5.05) | 17.4 (4.91) | |
| AA (mg/1000kcal) | Male | 86.3 (32.2) | 91.0 (30.2) | 0.649 |
| | Female | 95.7 (30.5) | 98.1 (28.4) | |
| DPA (mg/1000kcal) | Male | 5.12 (3.16) | 4.97 (2.98) | 0.652 |
| | Female | 5.63 (3.24) | 5.24 (3.53) | |

P values from two-way analysis of variance means interaction between gender groups and BP groups. Hypertensive subjects were defined as participants with a greater SBP than 140 mmHg, a DBP than 90 mmHg, or the use of antihypertensive medication. 299 participants were male; 103 male participants had a normal BP, and 196 had hypertension. There were 334 female participants; 180 had a normal BP, and 154 had hypertension. Abbreviations: BP, blood pressure; HbA1c, hemoglobin A1c; LA, linoleic acid; GLA, Gamma-linolenic acid; EA, eicosadienoic acid; DGLA, dihomogamma-linolenic acid; AA, arachidonic acid; and DPA, docosapentaenoic acid.