**Supplementary Table 3** - Association between polymorphisms and excess weight according to dietary intake, Salvador, Bahia, Brazil, 2004-2005.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SNPs** | |  | **OR** | **95%CI** | **p-interaction** |
| **SFA. % energy** | | | | | |
| rs79149291 | | < median | 2.54 | 0.80 - 8.10 | 0.72 |
|  |  | ≥ median | 1.91 | 0.50 - 7.28 |  |
| rs62048379 | | < median | 1.06 | 0.51 - 2.20 | 0.12 |
|  |  | ≥ median | 2.26 | 1.26 - 4.05 |  |
| rs115530394 | | < median | 3.65 | 1.34 - 9.93 | 0.96 |
|  |  | ≥ median | 1.89 | 0.73 - 4.83 |  |
| rs114019148 | | < median | 3.17 | 1.18 - 8.51 | 0.85 |
|  |  | ≥ median | 1.66 | 0.65 - 4.21 |  |
| rs16952663 | | < median | 2.47 | 1.17 - 5.23 | 0.15 |
|  |  | ≥ median | 1.28 | 0.59 - 2.75 |  |
| rs75066479 | | < median | 3.20 | 0.99 - 10.38 | 0.53 |
|  |  | ≥ median | 1.91 | 0.68 - 5.38 |  |
| rs115662052 | | < median | 3.59 | 1.09 - 11.82 | 0.55 |
|  |  | ≥ median | 1.92 | 0.68 - 5.39 |  |
| rs62034079 | | < median | 1.82 | 0.85 - 3.89 | 0.89 |
|  |  | ≥ median | 1.83 | 0.89 - 3.76 |  |
| rs2003583 | | < median | 1.70 | 0.98 - 2.94 | 0.74 |
|  |  | ≥ median | 1.64 | 0.99 - 2.73 |  |
| rs1123817 | | < median | 2.07 | 0.97 - 4.44 | 0.62 |
|  |  | ≥ median | 1.35 | 0.59 - 3.05 |  |
| **Carbohydrate. % energy** | | | |  |  |
| rs79149291 | | < median | 2.15 | 0.84 - 5.53 | 0.95 |
|  |  | ≥median | 3.39 | 0.34 - 33.30 |  |
| rs62048379 | | < median | 1.47 | 0.89 - 2.44 | 0.36 |
|  |  | ≥ median | 2.69 | 0.99 - 7.24 |  |
| rs115530394 | | < median | 2.05 | 0.90 - 4.65 | 0.95 |
|  |  | ≥ median | 3.73 | 1.06 - 13.17 |  |
| rs114019148 | | < median | 1.80 | 0.80 - 4.04 | 0.63 |
|  |  | ≥ median | 3.64 | 1.02 - 12.96 |  |
| rs16952663 | | < median | 1.50 | 0.83 - 2.71 | 0.52 |
|  |  | ≥ median | 2.58 | 0.74 - 9.01 |  |
| rs75066479 | | < median | 2.63 | 1.14 - 6.08 | 0.48 |
|  |  | ≥ median | 0.99 | 0.10 - 9.81 |  |
| rs115662052 | | < median | 2.49 | 1.08 - 5.72 | 0.61 |
|  |  | ≥ median | 1.06 | 0.10 - 11.01 |  |
| rs62034079 | | < median | 2.21 | 1.26 - 3.89 | 0.10 |
|  |  | ≥ median | 0.86 | 0.18 - 4.06 |  |
| rs2003583 | | < median | 1.85 | 1.22 - 2.80 | 0.26 |
|  |  | ≥ median | 1.15 | 0.48 - 2.75 |  |
| rs1123817 | | < median | 1.83 | 0.99 - 3.37 | 0.74 |
|  |  | ≥ median | 1.29 | 0.33 - 5.03 |  |
| **Fat. % energy** | | | |  |  |
| rs79149291 | | < median | 1.92 | 0.21 - 16.75 | 0.70 |
|  |  | ≥ median | 2.38 | 0.91 - 6.24 |  |
| rs62048379 | | < median | 1.38 | 0.59 - 3.17 | 0.57 |
|  |  | ≥ median | 1.76 | 1.03 - 3.01 |  |
| rs115530394 | | < median | 2.46 | 0.85 - 7.13 | 0.81 |
|  |  | ≥ median | 2.11 | 0.87 - 5.12 |  |
| rs114019148 | | < median | 2.26 | 0.78 - 6.53 | 0.88 |
|  |  | ≥ median | 1.90 | 0.79 - 4.54 |
| rs16952663 | | < median | 2.03 | 0.76 - 5.44 | 0.87 |
|  |  | ≥ median | 1.56 | 0.83 - 2.94 |  |
| rs75066479 | | < median | 1.94 | 0.36 - 10.46 | 0.92 |
|  |  | ≥ median | 2.33 | 0.96 - 5.66 |  |
| rs115662052 | | < median | 2.17 | 0.39 - 12.21 | 0.75 |
|  |  | ≥ median | 2.19 | 0.90 - 5.28 |  |
| rs62034079 | | < median | 1.82 | 0.74 - 4.46 | 0.38 |
|  |  | ≥ median | 1.97 | 1.03 - 3.78 |  |
| rs2003583 | | < median | 1.67 | 0.86 - 3.22 | 0.97 |
|  |  | ≥ median | 1.68 | 1.07 - 2.64 |  |
| rs1123817 | | < median | 1.07 | 0.34 - 3.33 | 0.61 |
|  |  | ≥ median | 1.88 | 0.99 - 3.56 |  |
| **Protein. % energy** | | | |  |  |
| rs79149291 | | < median | 3.57 | 1.07 - 11.91 | 0.05 |
|  |  | ≥ median | 1.35 | 0.37 - 4.91 |  |
| rs62048379 | | < median | **2.00** | **1.05 - 3.82** | **0.01** |
|  |  | ≥ median | 1.32 | 0.71 - 2.45 |  |
| rs115530394 | | < median | 1.63 | 0.53- 5.00 | 0.13 |
|  |  | ≥ median | 2.97 | 1.23 - 7.17 |  |
| rs114019148 | | < median | 1.40 | 0.46 - 4.23 | 0.24 |
|  |  | ≥ median | 2.58 | 1.08 - 6.16 |  |
| rs16952663 | | < median | 1.94 | 0.89 - 4.25 | 0.09 |
|  |  | ≥ median | 1.49 | 0.72 - 3.05 |  |
| rs75066479 | | < median | 2.19 | 0.71 - 6.77 | 0.05 |
|  |  | ≥ median | 2.19 | 0.74 - 6.47 |  |
| rs115662052 | | < median | 2.50 | 0.80 - 7.82 | 0.06 |
|  |  | ≥ median | 2.04 | 0.70 - 5.94 |  |
| **rs62034079** | | < median | 0.64 | 0.22 - 1.85 | 0.098 |
|  |  | ≥ median | 3.05 | 1.61 - 5.77 |  |
| rs2003583 | | < median | 1.02 | 0.58 - 1.78 | 0.30 |
|  |  | ≥ median | 2.53 | 1.51 - 4.25 |  |
| rs1123817 | | < median | 1.59 | 0.67 - 3.76 | 0.47 |
|  |  | ≥ median | 1.64 | 0.79 - 3.4 |  |
| **MUFA. % energy** | | | | |  |
| rs79149291 | | < median | 2.22 | 0.94 - 5.27 | 0.78 |
|  |  | ≥ median | 2.03 | 0.55 - 7.43 |  |
| rs62048379 | | < median | 1.64 | 1.05 - 2.55 | 0.77 |
|  |  | ≥ median | 1.46 | 0.78 - 2.78 |  |
| rs115530394 | | < median | 2.37 | 1.21 - 4.65 | 0.41 |
|  |  | ≥ median | 1.27 | 0.36 - 4.47 |  |
| rs114019148 | | < median | 2.09 | 1.07 - 4.07 | 0.08 |
|  |  | ≥ median | 0.96 | 0.28 - 3.30 |  |
| rs16952663 | | < median | 1.72 | 1.02 - 2.91 | 0.93 |
|  |  | ≥ median | 1.67 | 0.77 - 3.63 |  |
| rs75066479 | | < median | 2.29 | 1.06 - 4.92 | 0.47 |
|  |  | ≥ median | 1.96 | 0.62 - 6.20 |  |
| rs115662052 | | < median | 2.33 | 1.08 - 5.03 | 0.36 |
|  |  | ≥ median | 1.84 | 0.59 - 5.74 |  |
| rs62034079 | | < median | 1.75 | 1.04 - 2.92 | 0.53 |
|  |  | ≥ median | 1.46 | 0.65 - 3.27 |  |
| rs2003583 | | < median | 1.68 | 1.16 - 2.43 | 0.09 |
|  |  | ≥ median | 1.27 | 0.75 - 2.14 |  |
| rs1123817 | | < median | 1.70 | 0.98 - 2.95 | 0.64 |
|  |  | ≥ median | 1.84 | 0.87 - 3.90 |  |
| **Dietary PUFA:SFA intake ratio intake** | | | | |  |
| rs79149291 | | < median | 2.22 | 0.94 - 5.27 | 0.84 |
|  |  | ≥ median | 2.23 | 0.59 - 8.28 |  |
| rs62048379 | | < median | **1.64** | **1.05 - 2.55** | **0.01** |
|  |  | ≥median | 0.86 | 0.43 - 1.72 |  |
| rs115530394 | | < median | 2.37 | 1.21 - 4.65 | 0.49 |
|  |  | ≥ median | 1.35 | 0.45 - 4.05 |  |
| rs114019148 | | < median | 2.09 | 1.07 - 4.07 | 0.27 |
|  |  | ≥ median | 1.12 | 0.38 - 3.32 |  |
| rs16952663 | | < median | 1.72 | 1.02 - 2.91 | 0.28 |
|  |  | ≥ median | 2.03 | 1.02 - 4.02 |  |
| rs75066479 | | < median | 2.29 | 1.06 - 4.92 | 0.44 |
|  |  | ≥ median | 1.92 | 0.69 - 5.31 |  |
| rs115662052 | | < median | 2.33 | 1.07 - 5.03 | 0.41 |
|  |  | ≥ median | 2.02 | 0.72 - 5.62 |  |
| rs62034079 | | < median | 1.75 | 1.04 - 2.92 | 0.67 |
|  |  | ≥ median | 1.70 | 0.81 - 3.58 |  |
| rs2003583 | | < median | 1.68 | 1.16 - 2.43 | 0.94 |
|  |  | ≥ median | 1.72 | 1.02 - 2.88 |  |
| rs1123817 | | < median | 1.70 | 0.98 - 2.95 | 0.32 |
|  |  | ≥ median | 2.35 | 1.12 - 4.89 |  |