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| **Table S3:** Probabilities of food group consumption\* conditional on a dietary pattern† derived by the latent class analysis |
|   | **Food group** | **1st quintile** |  **2nd to 4th quintile** |  **5th quintile** | **Food group** | **1st quintile** | **2nd to 4th quintile** |  **5th quintile** |
| DP 1 | **Milk** | 41.52% | 43.71% | 14.77% | **Fruit** | 3.67% | 91.10% | 5.23% |
| DP 2 | 37.07% | 47.11% | 15.83% | 49.19% | 50.48% | 0.33% |
| DP 3 | 36.31% | 45.04% | 18.65% | 39.87% | 59.26% | 0.87% |
| DP 4 | 33.01% | 46.49% | 20.49% | 10.05% | 87.31% | 2.64% |
| DP 5 | 30.99% | 53.02% | 15.98% | 8.56% | 89.62% | 1.82% |
| DP 1 | **Yoghurt** | 42.23% | 43.39% | 14.38% | **Crisps** | 92.84% | 7.16% | 0.00% |
| DP 2 | 48.54% | 37.41% | 14.04% | 67.10% | 23.58% | 9.32% |
| DP 3 | 41.39% | 41.95% | 16.66% | 19.67% | 47.82% | 32.51% |
| DP 4 | 22.24% | 46.72% | 31.03% | 51.76% | 36.24% | 12.00% |
| DP 5 | 36.40% | 52.51% | 11.09% | 66.96% | 27.76% | 5.28% |
| DP 1 | **Cheese** | 30.40% | 48.10% | 21.50% | **Pizza/****burger**  | 93.24% | 6.53% | 0.22% |
| DP 2 | 44.14% | 45.25% | 10.61% | 74.49% | 22.89% | 2.62% |
| DP 3 | 26.44% | 57.27% | 16.30% | 37.86% | 45.76% | 16.38% |
| DP 4 | 27.22% | 18.23% | 54.55% | 64.19% | 33.24% | 2.57% |
| DP 5 | 16.61% | 73.33% | 10.06% | 75.77% | 22.51% | 1.72% |
| DP 1 | **Eggs** | 22.92% | 75.64% | 1.44% | **Salty pastry** | 88.61% | 10.21% | 1.18% |
| DP 2 | 40.14% | 59.63% | 0.23% | 75.79% | 14.91% | 9.29% |
| DP 3 | 15.65% | 82.51% | 1.83% | 33.06% | 24.31% | 42.63% |
| DP 4 | 15.90% | 83.35% | 0.75% | 52.85% | 20.37% | 26.78% |
| DP 5 | 10.28% | 88.83% | 0.90% | 67.78% | 19.34% | 12.88% |
| DP 1 | **Meat** | 20.41% | 78.33% | 1.26% | **Butter** | 45.68% | 49.19% | 5.12% |
| DP 2 | 15.97% | 74.48% | 9.55% | 47.55% | 47.39% | 5.06% |
| DP 3 | 24.95% | 70.01% | 5.04% | 44.99% | 51.03% | 3.98% |
| DP 4 | 23.70% | 74.54% | 1.77% | 37.60% | 50.16% | 12.24% |
| DP 5 | 26.72% | 72.97% | 0.32% | 35.63% | 62.83% | 1.54% |
| DP 1 | **Processed meat** | 37.21% | 45.56% | 17.23% | **Cookies** | 45.83% | 48.72% | 5.45% |
| DP 2 | 28.44% | 58.97% | 12.59% | 33.55% | 49.77% | 16.68% |
| DP 3 | 2.27% | 76.08% | 21.65% | 12.47% | 45.42% | 42.11% |
| DP 4 | 17.80% | 28.46% | 53.74% | 23.93% | 45.20% | 30.86% |
| DP 5 | 14.26% | 80.59% | 5.15% | 21.57% | 60.46% | 17.97% |
| DP 1 | **Seafood‡** | 28.06% | 71.94% |  | **Candies** | 43.47% | 48.06% | 8.48% |
| DP 2 | 77.56% | 22.44% |  | 25.35% | 53.95% | 20.69% |
| DP 3 | 76.28% | 23.72% |  | 3.72% | 56.44% | 39.84% |
| DP 4 | 48.15% | 51.85% |  | 19.58% | 59.72% | 20.70% |
| DP 5 | 36.92% | 63.08% |   | 19.30% | 62.63% | 18.07% |
| DP 1 | **Bread** | 40.98% | 56.61% | 2.41% | **Coffee/Tea** | 53.22% | 32.00% | 14.79% |
| DP 2 | 61.61% | 36.61% | 1.78% | 56.46% | 34.65% | 8.89% |
| DP 3 | 52.19% | 46.85% | 0.96% | 40.86% | 41.18% | 17.96% |
| DP 4 | 21.24% | 70.21% | 8.55% | 51.47% | 29.14% | 19.39% |
| DP 5 | 48.07% | 51.51% | 0.42% | 41.60% | 39.80% | 18.61% |
| DP 1 | **Vegetable soup‡** | 11.76% | 88.24% |  | **Soft drinks** | 47.28% | 49.78% | 2.94% |
| DP 2 | 53.73% | 46.27% |  | 20.29% | 58.31% | 21.40% |
| DP 3 | 57.42% | 42.58% |  | 4.64% | 50.63% | 44.72% |
| DP 4 | 16.79% | 83.21% |  | 14.65% | 57.22% | 28.14% |
| DP 5 | 20.20% | 79.80% |   | 11.80% | 72.56% | 15.64% |
| DP 1 | **Vegetables on a plate** | 11.50% | 52.42% | 36.08% |  |  |  |  |
| DP 2 | 38.46% | 57.16% | 4.38% |  |  |  |  |
| DP 3 | 20.58% | 67.94% | 11.48% |  |  |  |  |
| DP 4 | 25.08% | 49.28% | 25.64% |  |  |  |  |
| DP 5 | 11.19% | 65.61% | 23.20% |   |   |   |   |
| \* Food group consumption divided into three categories: 1st quintile, 2nd to 4th quintile and 5th quintile;† DP1 – 20.7%; DP2 – 25.2%; DP3 – 11.5%; DP4 – 13.2%; DP5 – 29.4%; (BIC: 167314.9);‡ For these food groups, as the forth quintile was equal to the fifth quintile for seafood and soup, only two categories were considered.DP, dietary pattern |