**Additional file 8**: Correlation of lysophosphatidylcholines with dietary fatty acids

| Cx:y  | Correlation | p-value  |
|-------|-------------|----------|
| C14:0 | 0.10        | <0.0001  |
| C16:0 | -0.02       | 0.5020   |
| C17:0 | 0.19        | <0.0001  |
| C18:2 | -0.02       | 0.4552   |
| C20:4 | 0.04        | 0.1020   |

* The spearman correlation coefficients (and p-values) were derived based on values in case-controls with a full dietary fatty acid profile (n = 1524).