**Table S7**

|  |  |  |  |
| --- | --- | --- | --- |
| Metabolites [(ng/100 l serum] | Young-Females | Elderly-Females | Centenarians-Females |
| LTE4 | 0.013 ± 0.015 | 0.014 ± 0.011 | 0.038 ± 0.031 b(\*),c(\*) |
| EPA | 0.082 ± 0.043 | 0.129 ± 0.046 | 0.080 ± 0.026 b(\*\*) |
| 15-HETE | 1.992 ± 2.645 | 1.371 ± 1.621 | 3.168 ± 3.133 b(\*),c(\*) |
| 11,12-DiHETrE | 0.019 ± 0.006 | 0.016 ± 0.003 | 0.014 ± 0.006 c(\*) |
| 9-oxo-ODE | 0.030 ± 0.013 | 0.052 ± 0.051 | 0.023 ± 0.014 b(\*\*\*) |
| 9-HODE | 0.296 ± 0.221 | 0.431 ± 0.543 | 0.217± 0.229 b(\*) |
| 8,9-EpETrE | 0.051 ± 0.035 | 0.054 ± 0.053 | 0.116 ± 0.117 b(\*) |