**Effects of dietary inclusion of citrus pulp and rockrose soft stems and leaves on lamb meat quality and fatty acid composition**

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**Supplementary Table S1** *Effects of replacement of cereals by dehydrated citrus pulp (DCP) and of C. ladanifer (CL) inclusion in the diet on minor fatty acids (FA) (mg/g of total FA) of m. longissimus of lambs.*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Cereal | |  | DCP | |  | *P* values1 | | |
|  | 0% CL | 15% CL |  | 0% CL | 15% CL | SEM | BD | CL | BD×CL |
| 10:0 | 0.98 | 0.73 |  | 0.85 | 1.17 | 0.138 | 0.313 | 0.825 | 0.075 |
| 12:0 | 0.95 | 0.82 |  | 1.06 | 0.92 | 0.179 | 0.556 | 0.458 | 0.979 |
| iso-15:0 | 0.95 | 0.71 |  | 0.97 | 0.93 | 0.125 | 0.339 | 0.305 | 0.466 |
| anteiso-15:0 | 1.09 | 1.07 |  | 1.16 | 1.27 | 0.150 | 0.402 | 0.780 | 0.692 |
| c9-14:1 | 0.84 | 0.61 |  | 0.66 | 0.77 | 0.160 | 0.957 | 0.747 | 0.324 |
| 15:0 | 2.23 | 2.13 |  | 2.48 | 2.64 | 0.166 | 0.036 | 0.851 | 0.479 |
| iso-16:0 | 0.93 | 0.81 |  | 1.07 | 0.93 | 0.114 | 0.239 | 0.286 | 0.941 |
| t9-16:1 | 0.76 | 0.89 |  | 0.74 | 0.79 | 0.246 | 0.822 | 0.726 | 0.882 |
| iso-17:0 | 2.92 | 2.58 |  | 4.17 | 2.92 | 0.401 | 0.061 | 0.076 | 0.299 |
| c7-16:1 | 1.63 | 1.75 |  | 2.12 | 1.96 | 0.194 | 0.087 | 0.937 | 0.486 |
| anteiso-17:0 | 0.94 | 0.97 |  | 0.82 | 1.22 | 0.111 | 0.552 | 0.082 | 0.124 |
| iso-18:0 | 0.80 | 0.68 |  | 0.68 | 0.82 | 0.211 | 0.938 | 0.958 | 0.550 |
| t6-/t7-/t8-18:1 | 2.75 | 2.84 |  | 3.55 | 4.39 | 0.250 | <0.001 | 0.092 | 0.180 |
| t9-18:1 | 4.03 | 3.59 |  | 3.93 | 4.30 | 0.234 | 0.222 | 0.903 | 0.143 |
| t12-18:1 | 6.56 | 6.02 |  | 7.17 | 8.58 | 0.542 | 0.011 | 0.444 | 0.111 |
| c11-18:1 | 12.6 | 11.1 |  | 11.5 | 11.9 | 0.57 | 0.739 | 0.396 | 0.148 |
| c12-18:1 | 9.00 | 13.7 |  | 9.80 | 20.2 | 1.38 | 0.019 | <0.001 | 0.072 |
| c13-18:1 | 0.70 | 1.21 |  | 1.00 | 1.21 | 0.299 | 0.610 | 0.263 | 0.643 |
| t16-18:1 | 1.77 | 2.34 |  | 2.06 | 2.47 | 0.235 | 0.373 | 0.070 | 0.749 |
| c16-18:1 | 1.36 | 1.44 |  | 1.16 | 1.79 | 0.133 | 0.580 | 0.023 | 0.072 |
| c9,t13-/t8,c12-18:2 | 2.81 | 3.00 |  | 3.47 | 3.69 | 0.277 | 0.034 | 0.498 | 0.958 |
| t8,c13-/c9,t12-18:2 | 2.08 | 2.16 |  | 2.22 | 2.19 | 0.271 | 0.741 | 0.920 | 0.845 |
| t9,c12-18:2 | 0.96 | 0.65 |  | 0.71 | 0.88 | 0.112 | 0.942 | 0.563 | 0.066 |
| c12,c15-18:2 | 0.13 | 0.45 |  | 0.29 | 0.94 | 0.142 | 0.043 | 0.007 | 0.295 |
| t12,t14-18:2 | 0.10b | 0.11b |  | 0.11b | 0.18a | 0.007 | <0.001 | 0.002 | 0.027 |
| t11,t13-18:2 | 0.16 | 0.14 |  | 0.24 | 0.26 | 0.021 | 0.001 | 0.892 | 0.465 |
| t10,t12-18:2 | 0.13 | 0.11 |  | 0.20 | 0.18 | 0.017 | 0.003 | 0.310 | 0.819 |
| t9,t11-18:2 | 0.2 | 0.26 |  | 0.27 | 0.30 | 0.038 | 0.732 | 0.888 | 0.548 |
| t11,c13-18:2 | 0.31 | 0.28 |  | 0.48 | 0.49 | 0.067 | 0.019 | 0.916 | 0.811 |
| t8,t10-18:2 | 0.24 | 0.18 |  | 0.28 | 0.18 | 0.047 | 0.746 | 0.110 | 0.668 |
| 18:3n-6 | 0.68 | 0.89 |  | 0.75 | 0.95 | 0.146 | 0.129 | 0.620 | 0.994 |
| 19:1 | 0.82 | 0.98 |  | 0.69 | 0.97 | 0.083 | 0.434 | 0.023 | 0.508 |
| 20:0 | 1.05 | 1.44 |  | 0.95 | 1.66 | 0.146 | 0.687 | 0.003 | 0.293 |
| c11-20:1 | 0.87 | 0.77 |  | 0.81 | 0.79 | 0.140 | 0.895 | 0.684 | 0.822 |
| 20:2n-6 | 1.10 | 0.69 |  | 0.65 | 0.83 | 0.188 | 0.409 | 0.544 | 0.145 |
| 20:3n-91 | 1.50 | 1.61 |  | 1.85 | 1.74 | 0.075 | 0.006 | 0.955 | 0.201 |
| 22:02 | 1.76 | 1.84 |  | 1.61 | 1.95 | 0.129 | 0.869 | 0.149 | 0.369 |
| DMA-16:0 | 9.04 | 12.64 |  | 10.20 | 10.50 | 3.422 | 0.889 | 0.591 | 0.656 |
| DMA-18:0 | 6.34 | 10.22 |  | 8.38 | 7.38 | 2.413 | 0.868 | 0.565 | 0.343 |
| DMA-18:1 | 7.71 | 8.69 |  | 8.77 | 8.53 | 1.351 | 0.742 | 0.789 | 0.665 |

1 Coelutes with c9,t11,c15-18:3

2 Coelutes with 20:3n-6

**Supplementary Figure S1** Plot of individual data points of *t*10-18:1 (•) and *c*9,*t*11-18:2 (○) related to *t*11-18:1 in lamb meat for treatments C15 (cereals and 15% of *C. ladanifer*) and DCP15 (dehydrated citrus pulp and 15% of *C. ladanifer*).

