

**Table S1.** Content of fatty acid C12:0 (lauric acid); C14:0 (myristic acid); C15:0 (pentadecanoic); C17:0 (margaric acid); C22:0 (behenic acid); C20:2 (8Z,11Z-eicosadienoic acid); C16:1 (palmitoleic acid); C17:1 (heptadecenoic acid); C18:1 cis-11 (vaccenic acid); C20:1 (gadoleic acid); average for year, treatments, interaction between the year and treatments, %.

|      |                            |                           |                            |                           |                           |                          |
|------|----------------------------|---------------------------|----------------------------|---------------------------|---------------------------|--------------------------|
| 2014 | 0.50±0.018 <sup>ab</sup>   | 0.51±0.015 <sup>ab</sup>  | 0.51±0.018 <sup>ab</sup>   | 0.55±0.028 <sup>a</sup>   | 0.48±0.022 <sup>b</sup>   | 0.51±0.030 <sup>bc</sup> |
| 2015 | 0.53±0.039 <sup>ab</sup>   | 0.31±0.024 <sup>c</sup>   | 0.55±0.031 <sup>ab</sup>   | 0.53±0.018 <sup>ab</sup>  | 0.55±0.037 <sup>ab</sup>  | 0.49±0.099 <sup>c</sup>  |
| 2016 | 0.53±0.031 <sup>ab</sup>   | 0.53±0.014 <sup>ab</sup>  | 0.51±0.017 <sup>ab</sup>   | 0.54±0.026 <sup>ab</sup>  | 0.56±0.018 <sup>a</sup>   | 0.53±0.026 <sup>a</sup>  |
| 2017 | 0.50±0.46 <sup>ab</sup>    | 0.53±0.018 <sup>ab</sup>  | 0.53±0.017 <sup>ab</sup>   | 0.54±0.022 <sup>ab</sup>  | 0.55±0.029 <sup>a</sup>   | 0.53±0.030 <sup>ab</sup> |
| Mean | 0.51±0.034 <sup>a</sup>    | 0.47±0.099 <sup>b</sup>   | 0.52±0.024 <sup>a</sup>    | 0.54±0.022 <sup>a</sup>   | 0.53±0.042 <sup>a</sup>   | -                        |
|      |                            | C20:1                     |                            |                           |                           |                          |
| 2014 | 0.41±0.028 <sup>bcd</sup>  | 0.39±0.022 <sup>bcd</sup> | 0.39±0.029 <sup>bcd</sup>  | 0.38±0.022 <sup>cd</sup>  | 0.37±0.077 <sup>d</sup>   | 0.39±0.039 <sup>b</sup>  |
| 2015 | 0.45±0.018 <sup>abc</sup>  | 0.41±0.022 <sup>bcd</sup> | 0.46±0.026 <sup>ab</sup>   | 0.41±0.032 <sup>bcd</sup> | 0.41±0.014 <sup>bcd</sup> | 0.43±0.032 <sup>a</sup>  |
| 2016 | 0.43±0.017 <sup>abcd</sup> | 0.40±0.024 <sup>bcd</sup> | 0.43±0.017 <sup>abcd</sup> | 0.42±0.029 <sup>bcd</sup> | 0.42±0.022 <sup>bcd</sup> | 0.42±0.024 <sup>a</sup>  |
| 2017 | 0.51±0.017 <sup>a</sup>    | 0.39±0.021 <sup>bcd</sup> | 0.39±0.021 <sup>bcd</sup>  | 0.39±0.021 <sup>bcd</sup> | 0.38±0.039 <sup>cd</sup>  | 0.41±0.052 <sup>a</sup>  |
| Mean | 0.45±0.041 <sup>a</sup>    | 0.40±0.022 <sup>b</sup>   | 0.42±0.037 <sup>b</sup>    | 0.40±0.028 <sup>b</sup>   | 0.39±0.046 <sup>b</sup>   | -                        |

MBM—Meat and Bone Meal. Values followed by the same letters do not differ significantly in Tukey's (HSD) test ( $p < 0.05$ ).