**Online supporting material**

**Supplementary Table S1.** Ingredient composition of abomasally infused lipid emulsions

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Treatment1 |  |
| Ingredient, % (w/w) | PA | MCT | SA |
| Tap water | 89.71 | 90.58 | 89.71 |
| Whey protein concentrate2 | 0.88 | 0.88 | 0.88 |
| Tween 803 | 0.38 | 0.38 | 0.38 |
| Glycerol3 | 1.48 | - | 1.48 |
| Fat supplement |  |  |  |
| Palmitic acid | 7.55 | - | - |
| Medium chain triglycerides | - | 8.15 | - |
| Stearic acid | - | - | 7.55 |

1Experimental fat supplements were provided as abomasal infusions: PA = free 16:0, MCT = a mixture of 8:0 and 10:0 as triglycerides, SA = free 18:0.

2AMP 80, American Meat Protein Corporation.

3Fisher Scientific.

**Supplementary Table S2.** Mammary genes and their primer sequence evaluated in this study

| Transcript1 | Primer position | Accession number | Primer (5' - 3') | Ta2 (°C) | Efficiency, % |
| --- | --- | --- | --- | --- | --- |
| ACC | 2970F | NM\_174224 | gggtgaaagactgggttgaa | 64.5 | 100.5 |
|  | 3142R |  | gacagagcacggatgtgatg | 64.1 |  |
| EIF3K3 | 79F | NM\_001034489 | gcgatgtttgagcagatgag | 63.6 | 97.6 |
|  | 197R |  | gcattttctttggcctgtgt | 63.9 |  |
| FASN | 3664F | NM\_001012669 | ctgcaactcaacgggaactt | 64.1 | 99.6 |
|  | 3815R |  | aggctggtcatgttctccag | 64.3 |  |
| LPL | 895F | M16966 | gagccaaaagaagcagcaag | 64.0 | 99.3 |
|  | 1076R |  | aggcagggtaaaagggatgt | 63.4 |  |
| MRPL393 | 427F | BC122667.1 | ggcttattggcgttcttgtg | 64.4 | 97.2 |
|  | 606R |  | cgcaggttctcttttgttgg | 64.6 |  |
| RPS153 | 620F | NM\_001192201 | ctctgtgcattcgggttttc | 64.5 | 99.5 |
|  | 731R |  | gggctctctgggttcctct | 64.7 |  |
| SCD1 | 1608F | AY241933 | ccctttccttgagctgtctg | 63.8 | 98.2 |
|  | 1788R |  | atgctgactctctcccctga | 64.0 |  |
| SREBP1 | 989F | NM\_001113302 | atgccatcgagaaacgctac | 64.0 | 100.0 |
|  | 1169R |  | gtccgcagactcaggttctc | 64.0 |  |

1ACC = Acetyl-CoA carboxylase; EIF3K = Eukaryotic translation initiation factor 3, subunit K; FASN = Fatty acid synthase; LPL = Lipoprotein lipase; MRPL39 = Mitochondrial ribosomal protein L39; RPS15 = Ribosomal protein S15; SCD1 = Stearoyl-coenzyme A desaturase 1; SREBP1, Sterol regulatory element-binding protein 1.

2Ta = Annealing temperature.

3Control gene.

**Supplementary Table S3.** Hepatic genes and their primer sequence evaluated in this study

| Transcript1 | Primer position | Accession number | Primers (5' - 3') | Ta | Efficiency, % |
| --- | --- | --- | --- | --- | --- |
| apo B100 | 6778F | XM\_015465433 | aagacaagcactccatccca | 64.7 | 97.4 |
|  | 6966R |  | tgggttgctggttaagggat | 65.3 |  |
| AMPK1 | 1622F | NM\_001109802 | gagcttgccaaaggaatgat | 63.0 | 93.8 |
|  | 1760R |  | tagattcgcgcacatctcaa | 64.4 |  |
| B2M3 | 213F | NM\_173893 | tgctgaagaatggggagaag | 64.2 | 101.4 |
|  | 320R |  | gggcagtgatctctttctgc | 64.0 |  |
| β-Actin3 | 820F | AY141970 | ctcttccagccttccttcct | 63.6 | 99.3 |
|  | 997R |  | gggcagtgatctctttctgc | 63.9 |  |
| CPT1 | 203F | FJ415874 | atccacgccatcctgcttta | 66.6 | 94.4 |
|  | 319R |  | agtattaaacatgcgctccca | 63.2 |  |
| DGAT1 | 139F | AY065621 | gacacagacaaggacggaga | 63.0 | 103.8 |
|  | 279R |  | cagcatcaccacacaccaa | 64.6 |  |
| LPK | 455F | NM\_001076176 | agactcaacttctcccacgg | 63.3 | 81.8 |
|  | 740R |  | tgactcggacgatattgggg | 67.0 |  |
| RPS153 | 620F | NM\_001192201 | ctctgtgcattcgggttttc | 64.5 | 99.5 |
|  | 731R |  | gggctctctgggttcctct | 64.7 |  |

1AMPK1 = Adenosine monophosphate-activated protein kinase 1; B2M = B2 microglobulin; CPT1 = Carnitine palmitoyltransferase 1; DGAT1 = Diacylglycerol acyltransferase 1; LPK = Liver pyruvate kinase; RPS15 = Ribosomal protein S15.

2Annealing temperature.

3Control gene.

**Supplementary Table S4** Composition of milk fat in dairy cows abomasally infused with fatty acids varying in chain length (*n* 11)

|  | Treatment1 | | |  | *P*-value, PA vs. | |
| --- | --- | --- | --- | --- | --- | --- |
| Fatty acid, % of milk fat | PA | MCT | SA | SE2 | MCT | SA |
| 4:0 | 2.23 | 2.12 | 2.24 | 0.201 | 0.56 | 0.92 |
| 6:0 | 1.46 | 1.56 | 1.60 | 0.067 | 0.21 | 0.06 |
| 8:0 | 0.81 | 1.02 | 0.97 | 0.048 | <0.01 | <0.01 |
| 10:0 | 2.10 | 3.87 | 2.48 | 0.153 | <0.01 | <0.01 |
| 10:1c9 | 0.19 | 0.30 | 0.22 | 0.012 | <0.01 | 0.05 |
| 11:0 | 0.062 | 0.074 | 0.071 | 0.011 | 0.13 | 0.19 |
| 12:0 | 2.74 | 3.85 | 3.19 | 0.222 | <0.01 | <0.01 |
| 12:1c9 | 0.08 | 0.11 | 0.09 | 0.009 | <0.01 | 0.11 |
| 13:0iso | 0.03 | 0.04 | 0.03 | 0.008 | 0.25 | 0.87 |
| 13:0anteiso | 0.010 | 0.011 | 0.010 | 0.001 | 0.39 | 0.89 |
| 13:0 | 0.11 | 0.13 | 0.13 | 0.016 | 0.09 | 0.03 |
| 14:0iso | 0.11 | 0.13 | 0.13 | 0.013 | 0.12 | 0.13 |
| 14:0 | 9.98 | 11.98 | 11.09 | 0.343 | <0.01 | <0.01 |
| 14:1c9 | 0.92 | 0.85 | 0.94 | 0.070 | 0.35 | 0.76 |
| 14:1c11 | 0.019 | 0.091 | 0.020 | 0.024 | 0.02 | 0.96 |
| 15:0iso | 0.66 | 0.72 | 0.70 | 0.019 | <0.01 | 0.02 |
| 15:0anteiso | 0.36 | 0.44 | 0.40 | 0.023 | 0.01 | 0.12 |
| 15:0 | 1.07 | 1.00 | 1.20 | 0.078 | 0.47 | 0.16 |
| 16:0iso | 0.27 | 0.32 | 0.26 | 0.042 | 0.28 | 0.86 |
| 16:0 | 37.12 | 32.47 | 30.35 | 0.668 | <0.01 | <0.01 |
| 16:1t9 | 0.037 | 0.029 | 0.032 | 0.003 | 0.03 | 0.09 |
| 16:1c9 | 1.78 | 1.33 | 1.36 | 0.103 | <0.01 | <0.01 |
| 16:1c11 | 0.023 | 0.027 | 0.022 | 0.002 | 0.01 | 0.54 |
| 16:1c13 | 0.20 | 0.32 | 0.22 | 0.023 | <0.01 | 0.47 |
| 17:0iso | 0.27 | 0.27 | 0.27 | 0.043 | 0.84 | 0.96 |
| 16:0anteiso | 0.32 | 0.34 | 0.32 | 0.030 | 0.46 | 0.91 |
| 17:0 | 0.19 | 0.21 | 0.21 | 0.007 | 0.12 | 0.05 |
| 17:1c9 | 0.036 | 0.036 | 0.037 | 0.004 | 0.98 | 0.74 |
| 17:0iso | 0.085 | 0.080 | 0.081 | 0.006 | 0.37 | 0.45 |
| 18:0 | 4.88 | 5.65 | 6.96 | 0.352 | 0.04 | <0.01 |
| 18:1t4 | 0.012 | 0.012 | 0.011 | 0.001 | 0.53 | 0.41 |
| 18:1t5 | 0.009 | 0.010 | 0.010 | 0.001 | 0.50 | 0.72 |
| 18:1t6-8 | 0.16 | 0.16 | 0.17 | 0.006 | 0.68 | 0.15 |
| 18:1t9 | 0.12 | 0.12 | 0.13 | 0.005 | 0.63 | 0.12 |
| 18:1t10 | 0.19 | 0.20 | 0.19 | 0.015 | 0.52 | 0.75 |
| 18:1t11 | 0.43 | 0.49 | 0.49 | 0.045 | 0.13 | 0.09 |
| 18:1t12 | 1.10 | 0.30 | 0.30 | 0.517 | 0.26 | 0.24 |
| 18:1t15 | 0.27 | 0.26 | 0.28 | 0.027 | 0.80 | 0.68 |
| 18:1t16 | 0.22 | 0.24 | 0.24 | 0.012 | 0.27 | 0.18 |
| 18:1c11 | 0.50 | 0.46 | 0.55 | 0.044 | 0.20 | 0.11 |
| 18:1c12 | 0.27 | 0.31 | 0.34 | 0.020 | 0.03 | <0.01 |
| 18:1c13 | 0.034 | 0.042 | 0.051 | 0.008 | 0.24 | 0.01 |
| 18:1c15 | 0.09 | 0.10 | 0.10 | 0.010 | 0.45 | 0.50 |
| 18:1c9 | 13.22 | 12.58 | 16.05 | 0.622 | 0.27 | <0.01 |
| 18:2c9,t11 | 0.26 | 0.23 | 0.25 | 0.019 | 0.05 | 0.88 |
| 18:2c9,t12 | 0.047 | 0.046 | 0.048 | 0.004 | 0.96 | 0.74 |
| 18:2c9,t13 | 0.20 | 0.20 | 0.22 | 0.015 | 0.90 | 0.06 |
| 18:2c9,c12 | 1.42 | 1.42 | 1.50 | 0.080 | 0.96 | 0.28 |
| 18:2t11,c15 | 0.040 | 0.042 | 0.044 | 0.004 | 0.36 | 0.14 |
| 18:2t8,c13 | 0.095 | 0.077 | 0.086 | 0.009 | 0.03 | 0.19 |
| 18:2t9,c12 | 0.023 | 0.020 | 0.020 | 0.001 | 0.06 | 0.03 |
| 18:2t9,t12 | 0.014 | 0.019 | 0.016 | 0.006 | 0.13 | 0.47 |
| 18:3c9,t11,c15 | 0.015 | 0.015 | 0.017 | 0.002 | 0.81 | 0.26 |
| 18:3c9,c12,c15 | 0.35 | 0.37 | 0.39 | 0.018 | 0.15 | 0.01 |
| 18:3c6,c9,c12 | 0.034 | 0.031 | 0.031 | 0.003 | 0.17 | 0.12 |
| 18:4c6,c9,c12,c15 | 0.016 | 0.015 | 0.017 | 0.001 | 0.37 | 0.24 |
| 20:0 | 0.071 | 0.076 | 0.087 | 0.004 | 0.41 | 0.00 |
| 20:1c9 | 0.034 | 0.027 | 0.030 | 0.004 | 0.11 | 0.33 |
| 20:2c11,c14 | 0.029 | 0.030 | 0.031 | 0.002 | 0.55 | 0.38 |
| 20:3c11,c14,c17 | 0.010 | 0.010 | 0.008 | 0.001 | 0.87 | 0.19 |
| 20:3c8,c11,c14 | 0.081 | 0.083 | 0.085 | 0.005 | 0.63 | 0.27 |
| 20:4c8,c11,c14,c17 | 0.009 | 0.006 | 0.008 | 0.002 | 0.15 | 0.49 |
| 20:4c5,c8,c11,c14 | 0.12 | 0.12 | 0.12 | 0.006 | 0.78 | 0.25 |
| 20:5c5,c8,c11,c14,c17 | 0.030 | 0.028 | 0.029 | 0.003 | 0.36 | 0.58 |
| 22:0 | 0.024 | 0.023 | 0.024 | 0.002 | 0.81 | 0.97 |
| 22:1c13 | 0.009 | 0.010 | 0.009 | 0.001 | 0.82 | 0.64 |
| 22:2c16,c19 | 0.007 | 0.005 | 0.006 | 0.001 | 0.19 | 0.33 |
| 22:3c13,c16,c19 | 0.004 | 0.002 | 0.003 | 0.000 | 0.05 | 0.23 |
| 22:4c7,c10,c13,c16 | 0.019 | 0.018 | 0.020 | 0.002 | 0.65 | 0.43 |
| 22:5c7,c10,c13,c16,c19 | 0.036 | 0.034 | 0.035 | 0.005 | 0.64 | 0.95 |
| 22:6c4,c7,c10,c13,c16,c19 | 0.010 | 0.008 | 0.007 | 0.001 | 0.24 | 0.13 |
| 24:0 | 0.022 | 0.017 | 0.019 | 0.002 | 0.08 | 0.22 |
| Other fatty acids | 0.147 | 0.162 | 0.152 | 0.021 | 0.33 | 0.70 |
| Sums of fatty acids |  |  |  |  |  |  |
| Fatty acids < 16 C | 20.6 | 25.7 | 22.9 | 0.726 | <0.01 | <0.01 |
| 16‑C fatty acids | 38.9 | 33.8 | 31.7 | 0.707 | <0.01 | <0.01 |
| Fatty acids > 16 C | 25.0 | 24.3 | 29.5 | 0.746 | 0.46 | <0.01 |
| 18‑C fatty acids | 24.0 | 23.4 | 28.5 | 0.740 | 0.44 | <0.01 |
| Saturated fatty acids | 65.0 | 66.4 | 62.8 | 0.598 | 0.04 | <0.01 |
| Unsaturated fatty acids | 22.9 | 21.2 | 24.9 | 0.616 | 0.02 | <0.01 |
| Desaturase indexes |  |  |  |  |  |  |
| 14:1c9 / (14:0 +14:1c9) | 0.085 | 0.065 | 0.078 | 0.005 | <0.01 | 0.18 |
| 16:1c9 / (16:0 + 16:1c9) | 0.046 | 0.039 | 0.043 | 0.003 | <0.01 | 0.08 |
| 18:1c9 / (18:0 +18:1c9) | 0.73 | 0.69 | 0.70 | 0.016 | 0.03 | 0.07 |

1Experimental fat supplements were provided as abomasal infusions: PA = free 16:0, MCT = a mixture of 8:0 and 10:0 as triglycerides, SA = free 18:0.

2SE = Standard error of the means.

**Supplementary Table S5.** Production of milk fatty acids in dairy cows abomasally infused with fatty acids varying in chain length (*n* 11)

|  | Treatment1 | | |  | *P*-value, PA vs. | |
| --- | --- | --- | --- | --- | --- | --- |
| Fatty acid, g/d | PA | MCT | SA | SE2 | MCT | SA |
| 4:0 | 34.7 | 32.3 | 33.1 | 4.1 | 0.43 | 0.55 |
| 6:0 | 22.9 | 23.4 | 23.7 | 1.9 | 0.73 | 0.51 |
| 8:0 | 12.7 | 15.3 | 14.4 | 1.2 | 0.01 | <0.05 |
| 10:0 | 33.6 | 57.9 | 37.0 | 3.6 | <0.01 | 0.01 |
| 10:1c9 | 3.0 | 4.5 | 3.3 | 0.3 | <0.01 | 0.25 |
| 11:0 | 0.94 | 1.10 | 1.03 | 0.15 | 0.14 | 0.36 |
| 12:0 | 43.5 | 57.3 | 47.3 | 4.5 | <0.01 | 0.03 |
| 12:1c9 | 1.22 | 1.61 | 1.27 | 0.12 | <0.01 | 0.47 |
| 13:0iso | 0.45 | 0.54 | 0.43 | 0.12 | 0.41 | 0.80 |
| 13:0anteiso | 0.16 | 0.16 | 0.15 | 0.02 | 0.78 | 0.47 |
| 13:0 | 1.66 | 1.84 | 1.83 | 0.24 | 0.22 | 0.19 |
| 14:0iso | 1.72 | 1.92 | 1.87 | 0.21 | 0.29 | 0.37 |
| 14:0 | 156 | 178 | 163 | 11 | <0.01 | 0.10 |
| 14:1c9 | 14.2 | 12.5 | 13.7 | 1.2 | 0.15 | 0.63 |
| 14:1c11 | 0.31 | 1.33 | 0.30 | 0.33 | 0.01 | 0.99 |
| 15:0iso | 10.3 | 10.6 | 10.2 | 0.5 | 0.39 | 0.80 |
| 15:0anteiso | 5.54 | 6.44 | 5.81 | 0.45 | 0.04 | 0.47 |
| 15:0 | 16.5 | 15.0 | 17.5 | 1.6 | 0.37 | 0.54 |
| 16:0iso | 4.29 | 4.95 | 3.84 | 0.68 | 0.40 | 0.52 |
| 16:0 | 573 | 482 | 443 | 23 | <0.01 | <0.01 |
| 16:1t9 | 0.58 | 0.43 | 0.45 | 0.05 | <0.01 | <0.01 |
| 16:1c9 | 27.3 | 19.5 | 19.8 | 1.9 | <0.01 | <0.01 |
| 16:1c11 | 0.36 | 0.40 | 0.32 | 0.03 | 0.14 | 0.14 |
| 16:1c13 | 3.19 | 4.81 | 3.17 | 0.39 | <0.01 | 0.97 |
| 17:0iso | 4.22 | 4.03 | 3.92 | 0.70 | 0.55 | 0.30 |
| 16:0anteiso | 5.06 | 5.17 | 4.65 | 0.52 | 0.81 | 0.31 |
| 17:0 | 3.01 | 3.09 | 3.03 | 0.21 | 0.64 | 0.88 |
| 17:1c9 | 0.57 | 0.55 | 0.54 | 0.06 | 0.82 | 0.62 |
| 17:0iso | 1.31 | 1.19 | 1.18 | 0.10 | 0.184 | 0.108 |
| 18:0 | 77.14 | 84.99 | 101.45 | 6.71 | 0.16 | <0.01 |
| 18:1t4 | 0.19 | 0.18 | 0.17 | 0.02 | 0.41 | 0.16 |
| 18:1t5 | 0.15 | 0.15 | 0.14 | 0.02 | 0.71 | 0.81 |
| 18:1t6-8 | 2.50 | 2.44 | 2.46 | 0.16 | 0.68 | 0.76 |
| 18:1t9 | 1.90 | 1.77 | 1.86 | 0.11 | 0.16 | 0.65 |
| 18:1t10 | 2.93 | 2.90 | 2.77 | 0.26 | 0.84 | 0.33 |
| 18:1t11 | 6.67 | 7.15 | 6.88 | 0.55 | 0.28 | 0.59 |
| 18:1t12 | 19.49 | 4.58 | 4.41 | 9.73 | 0.26 | 0.23 |
| 18:1t15 | 4.31 | 3.98 | 4.10 | 0.57 | 0.58 | 0.69 |
| 18:1t16 | 3.48 | 3.52 | 3.47 | 0.29 | 0.90 | 0.96 |
| 18:1c11 | 7.79 | 6.83 | 8.02 | 0.69 | 0.10 | 0.67 |
| 18:1c12 | 4.21 | 4.55 | 4.84 | 0.37 | 0.24 | 0.02 |
| 18:1c13 | 0.54 | 0.61 | 0.73 | 0.13 | 0.52 | 0.06 |
| 18:1c15 | 1.49 | 1.48 | 1.43 | 0.18 | 0.99 | 0.68 |
| 18:1c9 | 204 | 187 | 234 | 12.4 | 0.15 | 0.01 |
| 18:2c9,t11 | 3.94 | 3.34 | 3.61 | 0.26 | 0.01 | 0.11 |
| 18:2c9,t12 | 0.75 | 0.69 | 0.70 | 0.08 | 0.39 | 0.38 |
| 18:2c9,t13 | 3.15 | 3.00 | 3.17 | 0.28 | 0.41 | 0.89 |
| 18:2c9,c12 | 22.5 | 21.1 | 21.9 | 1.99 | 0.36 | 0.66 |
| 18:2t11,c15 | 0.62 | 0.62 | 0.62 | 0.06 | 0.99 | 0.89 |
| 18:2t8,c13 | 1.47 | 1.14 | 1.24 | 0.15 | 0.03 | 0.08 |
| 18:2t9,c12 | 0.36 | 0.30 | 0.29 | 0.03 | 0.03 | 0.01 |
| 18:2t9,t12 | 0.36 | 0.30 | 0.29 | 0.09 | 0.11 | 0.66 |
| 18:3c9,t11,c15 | 0.23 | 0.22 | 0.24 | 0.03 | 0.61 | 0.68 |
| 18:3c9,c12,c15 | 5.48 | 5.49 | 5.77 | 0.50 | 0.98 | 0.33 |
| 18:3c6,c9,c12 | 0.53 | 0.46 | 0.45 | 0.05 | 0.08 | 0.03 |
| 18:4c6,c9,c12,c15 | 0.26 | 0.23 | 0.26 | 0.03 | 0.16 | 0.98 |
| 20:0 | 1.11 | 1.15 | 1.27 | 0.09 | 0.72 | 0.10 |
| 20:1c9 | 0.53 | 0.40 | 0.44 | 0.07 | 0.10 | 0.19 |
| 20:2c11,14 | 0.46 | 0.45 | 0.44 | 0.04 | 0.96 | 0.66 |
| 20:3c11,c14,c17 | 0.16 | 0.15 | 0.12 | 0.02 | 0.78 | 0.13 |
| 20:3c8,c11,c14 | 1.28 | 1.23 | 1.25 | 0.11 | 0.58 | 0.72 |
| 20:4c8,c11,c14,c17 | 0.14 | 0.10 | 0.12 | 0.03 | 0.17 | 0.43 |
| 20:4c5,c8,c11,c14 | 1.85 | 1.75 | 1.80 | 0.14 | 0.28 | 0.53 |
| 20:5c5,c8,c11,c14,c17 | 0.48 | 0.42 | 0.42 | 0.05 | 0.25 | 0.22 |
| 22:0 | 0.37 | 0.35 | 0.35 | 0.04 | 0.48 | 0.28 |
| 22:1c13 | 0.15 | 0.15 | 0.13 | 0.01 | 0.99 | 0.33 |
| 22:2c13,c16 | 0.11 | 0.08 | 0.08 | 0.02 | 0.18 | 0.17 |
| 22:3c13,c16,c19 | 0.06 | 0.04 | 0.04 | 0.01 | 0.06 | 0.12 |
| 22:4c7,c10,c13,c16 | 0.30 | 0.27 | 0.28 | 0.03 | 0.23 | 0.50 |
| 22:5c7,c10,c13,c16,c19 | 0.57 | 0.50 | 0.52 | 0.09 | 0.32 | 0.36 |
| 22:6c4,c7,c10,c13,c16,c19 | 0.16 | 0.11 | 0.11 | 0.03 | 0.16 | 0.07 |
| 24:0 | 0.35 | 0.26 | 0.27 | 0.04 | 0.07 | 0.10 |
| Other fatty acids | 1.30 | 2.48 | 2.27 | 0.36 | 0.44 | 0.87 |
| Sum of fatty acids | | | | | | |
| Fatty acids < 16 C | 324 | 386 | 339 | 24.7 | <0.01 | <0.10 |
| 16‑C fatty acids | 601 | 501 | 463 | 24.4 | <0.01 | <0.01 |
| Fatty acids > 16 C | 392 | 363 | 430 | 23.8 | 0.13 | 0.04 |
| 18‑C fatty acids | 377 | 348 | 415 | 22.9 | 0.13 | 0.03 |
| Saturated fatty acids | 1011 | 986 | 921 | 53.0 | 0.32 | <0.01 |
| Unsaturated fatty acids | 357 | 314 | 362 | 20.4 | 0.01 | 0.70 |

1Experimental fat supplements were provided as abomasal infusions: PA = free 16:0, MCT = a mixture of 8:0 and 10:0 as triglycerides, SA = free 18:0.

2SE = standard error of the means.