Table S5. Mean, standard error of mean (SEM) and probabilities (*P*-value) of lipids that differed (*P* ≤ 0.05) between pasture finished animals with high (P-H) and low growth rate (P-L).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Lipid, % | P-H | P-L |  | SEM | *P*-value |
|  | *Lipid subset A* |
| TG 16:0\_32:1 | 0.25 | 0.31 | 1.24 | 0.046 | 0.016 |
| TG 16:1\_34:2 | 0.18 | 0.23 | 1.28 | 0.037 | 0.033 |
| TG 18:0\_30:0 | 0.14 | 0.20 | 1.43 | 0.047 | 0.044 |
| TG 18:0\_34:4 | 0.14 | 0.21 | 1.50 | 0.059 | 0.039 |
| TG 18:0\_36:2 | 5.65 | 5.08 | 0.90 | 0.508 | 0.044 |
| TG 18:0\_36:3 | 5.14 | 4.34 | 0.84 | 0.578 | 0.008 |
| TG\_18:2\_32:1 | 0.20 | 0.25 | 1.25 | 0.038 | 0.039 |
|  | *Lipid subset B* |
| Lyso PC(16:0) | 0.06 | 0.06 | 1.00 | 0.007 | 0.011 |
| Lyso PC(17:0) | 0.02 | 0.02 | 1.00 | 0.005 | 0.005 |
| Lyso PC(17:1) | 0.02 | 0.02 | 1.00 | 0.005 | 0.016 |
| Lyso PC(20:5) | 0.02 | 0.03 | 1.50 | 0.005 | 0.032 |
| PC(32:0) | 0.35 | 0.39 | 1.11 | 0.036 | 0.044 |
| PCp(32:4) | 0.35 | 0.39 | 1.11 | 0.036 | 0.044 |
| PC(32:1) | 2.25 | 2.56 | 1.14 | 0.253 | 0.026 |
| PC(32:2) | 0.70 | 0.82 | 1.17 | 0.105 | 0.039 |
| PC(32:4) | 0.06 | 0.08 | 1.33 | 0.011 | 0.003 |
| PC(32:5) | 0.03 | 0.04 | 1.33 | 0.008 | 0.016 |
| PC(34:0) | 1.20 | 1.41 | 1.18 | 0.165 | 0.018 |
| PC(34:1) | 14.58 | 16.89 | 1.16 | 1.950 | 0.032 |
| PC(34:2) | 10.44 | 7.79 | 0.75 | 1.897 | 0.007 |
| PC(34:4) | 2.03 | 2.69 | 1.33 | 0.597 | 0.049 |
| PC(34:5) | 0.39 | 0.51 | 1.31 | 0.099 | 0.028 |
| PC(34:6) | 0.04 | 0.05 | 1.25 | 0.007 | 0.005 |
| PC(36:7) | 0.10 | 0.13 | 1.30 | 0.024 | 0.002 |
| PCo(36:0) | 0.10 | 0.13 | 1.30 | 0.024 | 0.002 |
| PC(36:8) | 0.80 | 1.03 | 1.29 | 0.166 | 0.005 |
| PCo(36:1) | 0.80 | 1.03 | 1.29 | 0.166 | 0.005 |
| PC(38:1) | 0.17 | 0.18 | 1.06 | 0.012 | 0.047 |
| PC(38:2) | 0.17 | 0.19 | 1.12 | 0.014 | 0.004 |
| PC(38:3) | 0.16 | 0.14 | 0.88 | 0.016 | 0.018 |
| PC(38:8) | 0.13 | 0.15 | 1.15 | 0.017 | 0.037 |
| PCo(38:1) | 0.13 | 0.15 | 1.15 | 0.017 | 0.037 |
| PC(42:1) | 0.01 | 0.02 | 2.00 | 0.004 | 0.043 |
| PC(42:10) | 0.02 | 0.02 | 1.00 | 0.005 | 0.005 |
| PCo(42:3) | 0.02 | 0.02 | 1.00 | 0.005 | 0.005 |
| PC(42:5) | 0.02 | 0.02 | 1.00 | 0.004 | 0.034 |
| PC(42:8) | 0.02 | 0.02 | 1.00 | 0.005 | 0.049 |
| PCo(42:1) | 0.02 | 0.02 | 1.00 | 0.005 | 0.049 |
| PCo(32:0) | 0.16 | 0.19 | 1.19 | 0.023 | 0.031 |
| PCo(34:0) | 0.22 | 0.27 | 1.23 | 0.037 | 0.014 |
| PCo(34:1) | 2.30 | 2.85 | 1.24 | 0.457 | 0.028 |
| PCo(34:3) | 6.84 | 5.32 | 0.78 | 1.140 | 0.012 |
| PCo(34:4) | 1.43 | 1.65 | 1.15 | 0.185 | 0.032 |
| PCo(36:3) | 1.90 | 1.59 | 0.84 | 0.235 | 0.014 |
| PCo(36:4) | 1.91 | 1.50 | 0.79 | 0.325 | 0.020 |
| PE(18:1) | 0.02 | 0.03 | 1.50 | 0.007 | 0.048 |
| PE(18:3) | 0.01 | 0.02 | 2.00 | 0.005 | 0.030 |
| PE(20:1) | 0.02 | 0.03 | 1.50 | 0.006 | 0.003 |
| PE(20:3) | 0.02 | 0.02 | 1.00 | 0.006 | 0.027 |
| PE(32:1) | 0.01 | 0.02 | 2.00 | 0.004 | 0.046 |
| PE(36:1) | 0.17 | 0.21 | 1.24 | 0.033 | 0.011 |
| PE(36:6) | 0.02 | 0.02 | 1.00 | 0.005 | 0.024 |
| PE(36:8) | 0.03 | 0.04 | 1.33 | 0.008 | 0.007 |
| PEo(36:1) | 0.03 | 0.04 | 1.33 | 0.008 | 0.007 |
| PE(38:9) | 0.02 | 0.02 | 1.00 | 0.005 | 0.035 |
| PEo(38:2) | 0.02 | 0.02 | 1.00 | 0.005 | 0.035 |
| PEo(34:0) | 0.02 | 0.02 | 1.00 | 0.003 | 0.023 |
| PEo(34:1) | 0.02 | 0.03 | 1.50 | 0.006 | 0.043 |
| PEo(40:3) | 0.02 | 0.02 | 1.00 | 0.003 | 0.010 |
| PE(40:10) | 0.02 | 0.02 | 1.00 | 0.003 | 0.010 |
| PEo(40:5) | 0.05 | 0.05 | 1.00 | 0.003 | 0.014 |
| PEp(36:5) | 0.02 | 0.02 | 1.00 | 0.004 | 0.025 |
| SM(d16:1/24:1) | 0.82 | 0.73 | 0.89 | 0.076 | 0.041 |
| SM(d18:0/18:0) | 0.69 | 0.81 | 1.17 | 0.096 | 0.027 |
| SM(d18:0/20:0) | 5.44 | 6.38 | 1.17 | 0.816 | 0.037 |
| SM(d18:1/20:0) | 4.22 | 3.16 | 0.75 | 0.764 | 0.008 |
| SM(d18:1/24:0) | 0.34 | 0.40 | 1.18 | 0.046 | 0.018 |
| SM(d18:1/26:1)17Z)) | 0.02 | 0.03 | 1.50 | 0.005 | 0.010 |
| SM(d18:2/20:1) | 0.53 | 0.67 | 1.26 | 0.130 | 0.046 |
| SM(d18:2/24:1) | 0.20 | 0.18 | 0.90 | 0.012 | 0.004 |
|  | *Lipid subset C* |
| (9Z,12Z,15Z)-3-hydroxyoctadecatrienoylcarnitine | 0.34 | 0.39 | 1.15 | 0.037 | 0.006 |
| 18:2 Cholesteryl ester | 0.35 | 0.39 | 1.11 | 0.036 | 0.015 |
| C18:1 | 0.27 | 0.30 | 1.11 | 0.027 | 0.021 |
| Clupanodonyl carnitine | 0.30 | 0.32 | 1.07 | 0.019 | 0.045 |
| DG 16:0\_18:1 | 0.30 | 0.35 | 1.17 | 0.038 | 0.021 |
| Docosa-4,7,10,13,16-pentaenoyl carnitine | 0.30 | 0.32 | 1.07 | 0.019 | 0.045 |
| Fumarycarnitine | 0.33 | 0.38 | 1.15 | 0.037 | 0.044 |
| Hexadecanedioic acid mono-L-carnitine ester | 0.64 | 0.79 | 1.23 | 0.104 | 0.035 |
| Hexanoylcarnitine | 0.33 | 0.38 | 1.15 | 0.037 | 0.044 |
| O-(11-carboxyundecanoyl)carnitine | 0.69 | 0.50 | 0.72 | 0.150 | 0.041 |
| PS(28:0) | 0.67 | 0.53 | 0.79 | 0.108 | 0.008 |
| Stearoylcarnitine | 0.64 | 0.79 | 1.23 | 0.104 | 0.035 |

Lipid subsets A= triglyceride (TG); B= phosphatidylcholine (PC), phosphatidylethanolamine (PE) and sphingomyelin (SM); and C= acyl-carnitine, ceramides (CER), diglyceride (DG), free fatty acids and phosphatidylglycerol (PG), phosphatidylinositol (PI) and phosphatidylserine (PS).

a P-L/P-H.