Table S4. Mean, standard error of mean (SEM) and probabilities (*P*-value) of lipids that differed (*P* ≤ 0.05) between feedlot finished animals with high (F-H) and low growth rate (F-L).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Lipid, % | | F-H | F-L | Fold ratioa | SEM | *P*-value | |
|  | *Lipid subset A* | | | | | |
| TG 16:0\_34:0 | | 0.34 | 0.49 | 1.44 | 0.133 | 0.041 | |
| TG 16:0\_36:0 | | 0.38 | 0.55 | 1.45 | 0.116 | 0.004 | |
| TG 16:0\_36:1 | | 0.08 | 0.11 | 1.38 | 0.021 | 0.002 | |
| TG 16:0\_36:5 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.028 | |
| TG 16:0\_36:6 | | 0.02 | 0.04 | 2.00 | 0.012 | 0.036 | |
| TG 16:0\_38:0 | | 0.12 | 0.19 | 1.58 | 0.043 | 0.051 | |
| TG 16:0\_38:2 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.032 | |
| TG 16:0\_38:4 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.035 | |
| TG 16:0\_38:8 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.031 | |
| TG 16:0\_40:0 | | 0.02 | 0.04 | 2.00 | 0.012 | 0.020 | |
| TG 16:1\_36:0 | | 3.14 | 3.89 | 1.24 | 0.607 | 0.024 | |
| TG 16:1\_36:1 | | 0.72 | 0.82 | 1.14 | 0.075 | 0.010 | |
| TG 16:1\_36:2 | | 0.06 | 0.08 | 1.33 | 0.015 | 0.041 | |
| TG 16:1\_36:3 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.029 | |
| TG 16:1\_36:5 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.016 | |
| TG 16:1\_38:0 | | 1.09 | 1.59 | 1.46 | 0.343 | 0.003 | |
| TG 16:1\_38:2 | | 0.19 | 0.28 | 1.47 | 0.070 | 0.017 | |
| TG 16:1\_38:3 | | 0.04 | 0.06 | 1.50 | 0.017 | 0.004 | |
| TG 16:1\_38:4 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.035 | |
| TG 16:1\_38:5 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.028 | |
| TG 16:1\_38:6 | | 0.04 | 0.07 | 1.75 | 0.019 | 0.020 | |
| TG 16:1\_40:0 | | 0.03 | 0.05 | 1.67 | 0.016 | 0.022 | |
| TG 16:1\_40:2 | | 0.03 | 0.05 | 1.67 | 0.013 | 0.017 | |
| TG 16:1\_40:4 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.039 | |
| TG 16:1\_40:5 | | 0.02 | 0.04 | 2.00 | 0.012 | 0.016 | |
| TG 16:1\_40:7 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.037 | |
| TG 16:1\_40:8 | | 0.04 | 0.06 | 1.50 | 0.017 | 0.011 | |
| TG 16:1\_42:4 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.021 | |
| TG 16:1\_42:8 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.030 | |
| TG 18:0\_30:2 | | 0.93 | 0.65 | 0.70 | 0.220 | 0.020 | |
| TG 18:0\_32:1 | | 0.22 | 0.27 | 1.23 | 0.044 | 0.047 | |
| TG 18:0\_32:3 | | 4.22 | 3.08 | 0.73 | 0.753 | 0.002 | |
| TG 18:0\_34:1 | | 3.46 | 4.01 | 1.16 | 0.490 | 0.045 | |
| TG 18:0\_36:0 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.025 | |
| TG 18:0\_36:1 | | 0.66 | 0.89 | 1.35 | 0.172 | 0.011 | |
| TG 18:0\_36:6 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.048 | |
| TG 18:0\_36:7 | | 0.04 | 0.05 | 1.25 | 0.014 | 0.009 | |
| TG 18:0\_38:2 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.030 | |
| TG 18:0\_38:6 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.014 | |
| TG 18:0\_38:7 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.031 | |
| TG 18:1\_32:0 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.025 | |
| TG 18:1\_34:0 | | 0.23 | 0.35 | 1.52 | 0.073 | <0.001 | |
| TG 18:1\_34:1 | | 3.64 | 4.55 | 1.25 | 0.728 | 0.021 | |
| TG 18:1\_34:4 | | 0.06 | 0.10 | 1.67 | 0.027 | 0.019 | |
| TG 18:1\_36:0 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.019 | |
| TG 18:1\_36:1 | | 0.05 | 0.07 | 1.40 | 0.018 | 0.009 | |
| TG 18:1\_36:3 | | 0.04 | 0.07 | 1.75 | 0.019 | 0.007 | |
| TG 18:1\_36:4 | | 0.03 | 0.06 | 2.00 | 0.018 | 0.005 | |
| TG 18:1\_36:5 | | 0.03 | 0.05 | 1.67 | 0.015 | 0.029 | |
| TG 18:1\_38:0 | | 0.03 | 0.05 | 1.67 | 0.014 | 0.004 | |
| TG 18:1\_38:4 | | 0.03 | 0.05 | 1.67 | 0.015 | 0.044 | |
| TG 18:1\_38:5 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.040 | |
| TG 18:1\_38:6 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.026 | |
| TG 18:1\_40:8 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.038 | |
| TG 18:2\_32:0 | | 0.04 | 0.06 | 1.50 | 0.017 | 0.020 | |
| TG 18:2\_34:0 | | 0.18 | 0.27 | 1.50 | 0.082 | 0.034 | |
| TG 18:2\_36:0 | | 0.06 | 0.10 | 1.67 | 0.031 | 0.006 | |
| TG 18:2\_36:1 | | 0.17 | 0.25 | 1.47 | 0.062 | 0.018 | |
| TG 18:2\_38:1 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.022 | |
| TG 18:2\_38:2 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.030 | |
| TG 20:0\_32:0 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.020 | |
| TG 20:0\_32:1 | | 0.03 | 0.04 | 1.33 | 0.011 | 0.027 | |
| TG 20:0\_32:2 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.028 | |
| TG 20:0\_34:0 | | 0.03 | 0.05 | 1.67 | 0.014 | 0.013 | |
| TG 20:0\_34:1 | | 0.04 | 0.06 | 1.50 | 0.013 | 0.019 | |
| TG 20:0\_34:7 | | 0.02 | 0.04 | 2.00 | 0.012 | 0.023 | |
| TG 20:0\_34:8 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.023 | |
| TG 20:0\_36:0 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.029 | |
| TG 20:0\_36:1 | | 0.03 | 0.05 | 1.67 | 0.015 | 0.019 | |
| TG 20:0\_36:2 | | 0.03 | 0.05 | 1.67 | 0.013 | 0.011 | |
| TG 20:0\_36:3 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.023 | |
| TG 20:0\_44:2 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.037 | |
| TG 20:4\_30:0 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.024 | |
| TG 20:4\_30:2 | | 0.03 | 0.04 | 1.33 | 0.012 | 0.041 | |
| TG 20:4\_32:0 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.029 | |
| TG 20:4\_32:1 | | 0.02 | 0.04 | 2.00 | 0.013 | 0.029 | |
| TG 20:4\_34:1 | | 0.03 | 0.05 | 1.67 | 0.018 | 0.012 | |
| TG 20:4\_36:0 | | 0.03 | 0.04 | 1.33 | 0.013 | 0.026 | |
| TG 20:4\_36:1 | | 0.03 | 0.04 | 1.33 | 0.015 | 0.020 | |
| TG 20:4\_36:2 | | 0.03 | 0.04 | 1.33 | 0.014 | 0.022 | |
|  | *Lipid subset B* | | | | | |
| PC(32:0) | | 0.34 | 0.30 | 0.88 | 0.040 | 0.007 | |
| PC(36:7) | | 0.08 | 0.08 | 1.00 | 0.008 | 0.026 | |
| PC(36:8) | | 0.58 | 0.55 | 0.95 | 0.109 | 0.011 | |
| PC(40:7) | | 0.05 | 0.04 | 0.80 | 0.011 | 0.035 | |
| PCo(34:1) | | 2.08 | 1.70 | 0.82 | 0.506 | 0.031 | |
| PCo(34:3) | | 7.11 | 8.16 | 1.15 | 1.186 | 0.028 | |
| PCo(36:0) | | 0.08 | 0.08 | 1.00 | 0.008 | 0.026 | |
| PCo(36:1) | | 0.58 | 0.55 | 0.95 | 0.109 | 0.011 | |
| PCo(36:3) | | 1.99 | 2.26 | 1.14 | 0.347 | 0.015 | |
| PCo(36:4) | | 2.32 | 2.61 | 1.13 | 0.468 | 0.043 | |
| PCo(38:4) | | 0.41 | 0.46 | 1.12 | 0.084 | 0.038 | |
| PCo(38:5) | | 0.88 | 1.00 | 1.14 | 0.222 | 0.050 | |
| PCo(40:0) | | 0.05 | 0.04 | 0.80 | 0.011 | 0.035 | |
| PCp(32:4) | | 0.34 | 0.30 | 0.88 | 0.040 | 0.007 | |
| PE(34:1) | | 0.05 | 0.04 | 0.80 | 0.009 | 0.002 | |
| PE(34:2) | | 0.04 | 0.04 | 1.00 | 0.006 | 0.016 | |
| PE(36:0) | | 0.04 | 0.03 | 0.75 | 0.008 | 0.047 | |
| PE(36:1) | | 0.18 | 0.14 | 0.78 | 0.037 | 0.004 | |
| PE(36:8) | | 0.03 | 0.03 | 1.00 | 0.006 | 0.011 | |
| PE(38:0) | | 0.04 | 0.03 | 0.75 | 0.007 | 0.043 | |
| PE(38:5) | | 0.19 | 0.16 | 0.84 | 0.038 | 0.038 | |
| PE(40:4) | | 0.05 | 0.05 | 1.00 | 0.008 | 0.012 | |
| PE(40:5) | | 0.08 | 0.07 | 0.88 | 0.015 | 0.009 | |
| PE(40:6) | | 0.04 | 0.03 | 0.75 | 0.007 | 0.043 | |
| PEo(36:1) | | 0.03 | 0.03 | 1.00 | 0.006 | 0.011 | |
| PEo(36:2) | | 0.05 | 0.05 | 1.00 | 0.008 | 0.038 | |
| PEo(38:6) | | 0.08 | 0.07 | 0.88 | 0.013 | 0.013 | |
| PEo(40:6) | | 0.06 | 0.06 | 1.00 | 0.011 | 0.026 | |
| PEp(36:6) | | 0.04 | 0.03 | 0.75 | 0.008 | 0.047 | |
| SM(d18:0/14:0) | | 0.03 | 0.02 | 0.67 | 0.006 | 0.038 | |
| SM(d18:0/18:0) | | 0.64 | 0.52 | 0.81 | 0.130 | 0.046 | |
| SM(d18:0/24:0) | | 0.06 | 0.07 | 1.17 | 0.008 | 0.036 | |
| SM(d18:1/18:0) | | 2.31 | 2.47 | 1.07 | 0.291 | 0.028 | |
| SM(d18:1/20:0) | | 4.70 | 5.19 | 1.10 | 0.763 | 0.048 | |
| SM(d18:1/24:0) | | 0.29 | 0.30 | 1.03 | 0.032 | 0.015 | |
| SM(d18:1/24:1)15Z)) | | 0.29 | 0.31 | 1.07 | 0.030 | 0.047 | |
|  | *Lipid subset C* | | | | | |
| DG 18:2\_18:0 | | 0.34 | 0.37 | 1.09 | 0.076 | 0.031 | |

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 F-L/F-H.