Supplementary Table 2. Proteins not identified by present study compared with the paper of Bionaz & Loor (2008)

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| --- | --- |
| Gene name | Protein name |
| VLDLR | Very-Low Density Lipoprotein Receptor |
| ABCA1 | ATP-binding cassette, sub-family A (ABC1), member 1 |
| ACSS1 | acyl-CoA synthetase short-chain family member 1 |
| FADS1 | Fatty acid desaturase 1 (delta-5 desaturase) |
| FADS2 | Fatty acid desaturase 2 (delta-6 desaturase) |
| PLIN | Perilipin |
| BDH1 | 3-hydroxybutyrate dehydrogenase, type 1 |
| OXCT1 | 3-oxoacid CoA transferase 1 |
| DGAT1 | Diacylglycerol acyltransferase 1 |
| DGAT2 | Diacylglycerol acyltransferase 2 |
| LPIN1 | Lipin 1 |
| INSIG1 | Insulin induced gene 1 |
| INSIG2 | Insulin induced gene 2 |
| SCAP | SREBP cleavage activating protein |
| SREBF1 | Sterol regulatory element-binding transcription factor 1 |
| SREBF2 | Sterol regulatory element-binding transcription factor 2 |
| THRSP | Thyroid hormone responsive SPOT14 |
| PPARG | Peroxisome proliferator-activated receptor gamma |
| PPARGC1A | PPAR gamma, coactivator 1 alpha |
| PPARGC1B | PPAR gamma, coactivator 1 beta |
| SPTLC1 | Serine palmitoyltransferase, long chain base  subunit 1 |
| SPTLC2 | Serine palmitoyltransferase, long chain base subunit 2 |
| LASS2 | LAG1 homolog, ceramide synthase 2 |
| SPHK2 | Sphingosine kinase 2 |
| ASAHL | N-acylsphingosine amidohydrolase-like |
| SGPL1 | Sphingosine-1-phosphate lyase |
| UGCG | Ceramide glucosyltransferase |
| OSBP | Oxysterol-binding protein 1 |
| OSBPL2 | Oxysterol binding protein-like 2 |
| OSBPL10 | Oxysterol binding protein-like 10 |

## REFERENCE

Bionaz M & Loor JJ 2008 Gene networks driving bovine milk fat synthesis during the lactation cycle. BMC Genomics 9:366