

**Table 1S : Nucleotidic sequence of primers used for PCR.**

<b>Gène</b>	<b>Forward 5'3'</b>	<b>Reverse 5'3'</b>
<i>Acyl-CoA oxidase (Aco)</i>	TCGAAGCCAGCGTTACGAG	ATCTCCGTCTGGGCGTAGG
<i>Carbohydrate response element-binding protein (Chreb)</i>	CTGGGGACCTAACAGGAGC	GAAGCCACCCTATAGCTCCC
<i>Collagen 1<math>\alpha</math>1 (col1<math>\alpha</math>1)</i>	CAACCTGGACGCCATCAAG	CAGGTCTGACCTGTCTCCATGTT
<i>C-reactive protein (Crp)</i>	CACAGTGCGCAGCTTCAGT	GCACCACCCACTCCAAAAG
<i>Fatty acid synthase (Fas)</i>	TTCGGCTGCTGTTGGAAGTCAG	ACCCACCCAGACGCCAGTGTTCC
<i>Glycerol kinase (Gk)</i>	AGGAGATGCCAGAGGATAG	ACGGATGTGAGTGTGAAG
<i>Glutathione peroxidase 3 (Gpx3)</i>	TTGGTCATTCTGGGCTTCC	CCACCTGGTCGAACATACTT
<i>Hepcidin antimicrobial peptide (Hamp)</i>	TTCCCAGTGTGGTATCTGTT	GGTCAGGATGTGGCTCTAGGC
<i>Hypoxanthine phosphoribosyltransferase (Hprt)</i>	GTGTTCTAGTCTGTGGCCATCT	GGCTCATAGTGCAATCAAAAGTCT
<i>Interleukin 6 (Il-6)</i>	AGTTGCCTTCTTGGGACTGA	ACAGGTCTGTTGGGAGTGGT
<i>Liver carnitine palmitoyl-transferase I (Lcpt1)</i>	GGAGGAGGTAAGACTACTATG	TACATGCAATGGACAGATTAG
<i>Medium-chain acyl-CoA dehydrogenase (Mcad)</i>	AGCAGAGAAGAAGGGTGACGAGTATGTT	TACTTTAGGATCTGGGTTAGAACGTGCC
<i>Nuclear factor erythroid 2-related factor 2 (Nrf2)</i>	TGAAGCTCAGCTCGCATTGA	TGCTCCAGCTCGACAATGTT
<i>Peroxisome proliferator-activated receptor alpha (Ppara)</i>	CATTTCCCTGTTTGTGGCTGCTATAA	CTTAAGCACGTGCACAATCCCCTC
<i>Stearoyl-CoA desaturase-1 (Scd1)</i>	CTGTCAAAGAGAAGGGCGGAAAAC	GCAGGAGGCCGGGCTTGTAGTAC
<i>sterol regulatory element-binding protein 1 (Srebp1-c)</i>	ATCGGCGCGGAAGCTGTCGGGGTAGCGTC	ACTGTCTTGGTTGTTGATGAGCTGGAGCAT
<i>Transforming growth factor <math>\beta</math> (Tgf-<math>\beta</math>)</i>	TTGCTTCAGCTCCACAGAGA	TGGTGTTAGAGGGCAAGGAC

**Table 2S: Variables corresponding to the spectral signatures of the two macrosteatosis classes.**

<b>Model below 10%</b>		
<b><u>Variables (cm<sup>-1</sup>)</u></b>	<b><u>Vibrational mode</u></b>	<b><u>Assignment</u></b>
3073.06	νC-H	<b>Aromatic compounds</b>
3030.21		
2995.52	ν <sub>asym</sub> CH <sub>3</sub>	<b>Lipids</b>
2968.99	ν <sub>asym</sub> CH <sub>2</sub>	
1765.07	νC=O	<b>Lipid Esters</b>
1732.42		
1730.38		
1720.18		
1718.14		
1701.81	νC=O (>C = CH-CO-OH)	<b>Aldehydes / Ketones</b>
1395.73	δ <sub>sym</sub> C-H <sub>3</sub>	<b>Proteins/Lipids</b>
1248.81	δ <sub>sym</sub> C-H	
1630.40	Amide I	<b>Proteins</b>
1140.66	Inter osidic links/ νC-O Ribose	<b>Sugars</b>
967.22	Complex ring vibrations	
<b>Model above 10%</b>		
1609.99	Asn, Gln, Lys, Arg	<b>Proteins</b>
1603.87	ν <sub>asym</sub> COO <sup>-</sup> (Glu, Asp)	
1589.58	Amide II	
1448.79	δ <sub>asym</sub> CH <sub>3</sub> / C-C (Val/ Tyr ring vibration)	
1422.26	ν <sub>asym</sub> COO <sup>-</sup> (Glu)	
1103.93	νP-O-C	<b>DNA</b>
1024.35	νC-O-C	<b>Sugars</b>