

**Supplemental Table I: Primer sequences.**

<b>Name</b>	<b>Forward</b>	<b>Reverse</b>
<i>Abca1</i>	CCCAGAGCAAAAAGCGACTC	GGTCATCATCACTTTGGTCCTTG
<i>Abcg5</i>	TCAGGACCCCAAGGTCATGAT	AGGCTGGTGGATGGTGACAAT
<i>Abcg8</i>	GACAGCTTCACAGCCCACAA	GCCTGAAGATGTCAGAGCGA
<i>Acacb</i>	CATACACAGAGCTGGTGTGGACT	CACCATGCCCACCTCGTTAC
<i>Acox1</i>	GCCACGGAACTCATCTTCGA	CCAGGCCACCACTTAATGGA
<i>Apoa4</i>	GCCAATGTGGTGTGGGATTAC	TCCTGGAAGAGGGTACTGAGCT
<i>Apob</i>	GCCCATTGTGGACAAGTTGATC	CCAGGACTTGGAGGTCTTGGA
<i>Cd36</i>	GATCGGAACTGTGGGCTCAT	GGTTCCTTCTTCAAGGACAACTTC
<i>Cd68</i>	TGACCTGCTCTCTTAAGGCTACA	TCACGGTTGCAAGAGAAACATG
<i>Cpt1a</i>	CTCAGTGGGAGCGACTCTTCA	GGCCTCTGTGGTACACGACAA
<i>Dgat2</i>	GGGTCCAGAAGAAGTTCCAGAAG	CCCAGGTGTCAGAGGAGAAGAG
<i>Icam</i>	CTACCATCACCGTGTATTCGTTTC	CGGTGCTCCACCATCCA
<i>Il-1b</i>	AAAGAATCTATACCTGTCCTGTGTAATGAAA	GGTATTGCTTGGGATCCACACT
<i>Lipc</i>	ACTGCAGGAGTGTGGCTTCAAC	TGGGACTGTCGGGACTTCAG
<i>Lpl</i>	AAGGTCAGAGCCAAGAGAAGCA	CCAGAAAAGTGAATCTTGACTTGGT
<i>Mcp1</i>	GCTGGAGAGCTACAAGAGGATCA	ACAGACCTCTCTTGTGAGCTTGGT
<i>Mttp</i>	CAAGCTCACGTA CTCCACTGAAG	TCATCATCACCATCAGGATTCT
<i>Ppara</i>	TATTCGGCTGAAGCTGGTGTAC	CTGGCATTGTGTTCCGGTTCT
<i>Slc27a4</i>	CCAGACAAGGGTTTTACAGATAAGCT	ACCTGCTGTGCACCACAATG
<i>Srebf1</i>	GAGGCGGCTCTGGAACAGA	TGTCTTCGATGTCGTTCAAACC
<i>Tnfa</i>	CATCTTCTCAA AATTCGAGTGACAA	TGGGAGTAGACAAGGTACAACCC

**Supplemental Table II: Fatty acid composition in the diets**

	HFD <sup>1</sup>	PSE <sup>2</sup>	PSA <sup>3</sup>
<i>Fatty Acid Composition</i>			
<i>C8-C12:0 (g/kg)</i>	0.68	0.61	0.61
<i>C14:0 (g/kg)</i>	5.53	5.38	5.38
<i>C16:0 (g/kg)</i>	46.70	44.49	44.49
<i>C16:1 (g/kg)</i>	5.60	5.38	5.38
<i>C18:0 (g/kg)</i>	34.63	33.62	33.62
<i>C18:1 (g/kg)</i>	84.86	76.63	76.63
<i>C18:2 (g/kg)</i>	20.47	18.19	18.16
<i>C18:3 (g/kg)</i>	4.21	2.96	2.96
<i>C20-C22 (g/kg)</i>	1.95	1.87	1.87
<i>Total Caloric Content (kcal/kg)</i>	4719.69	4519.40	4519.40

<sup>1</sup>HFD: high fat diet; <sup>2</sup>PSE: high fat diet supplemented with plant sterol esters; <sup>3</sup>PSA: high fat diet supplemented with plant stanol esters.

**Supplemental Table III: Calorie intake**

	HFD <sup>1</sup>	PSE <sup>2</sup>	PSA <sup>3</sup>
<i>Calorie intake (kcal/day)</i>	16.8 ± 2.1	23.4 ± 1.6	26.7 ± 1.3

<sup>1</sup>HFD: high fat diet; <sup>2</sup>PSE: high fat diet supplemented with plant sterol esters; <sup>3</sup>PSA: high fat diet supplemented with plant stanol esters.