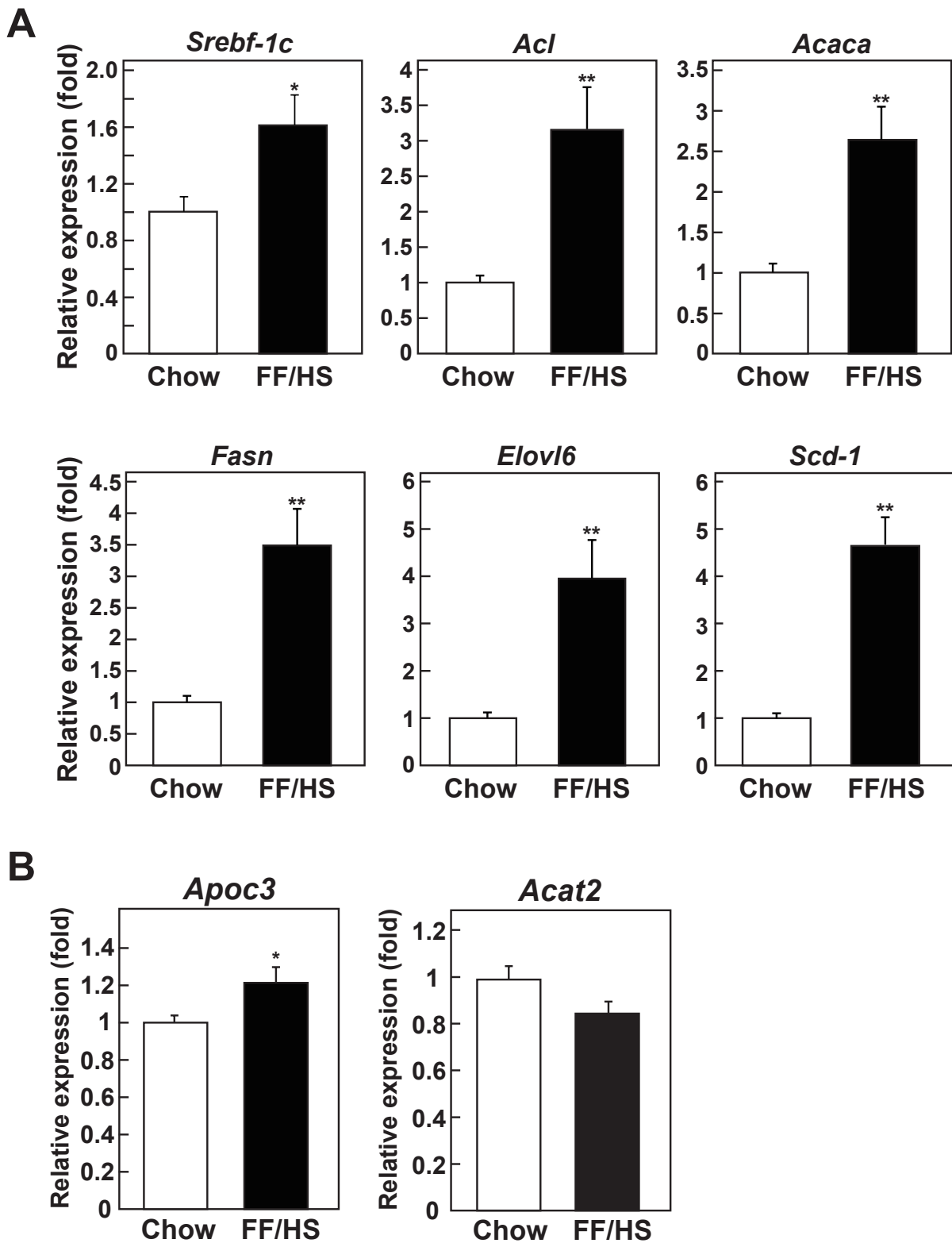
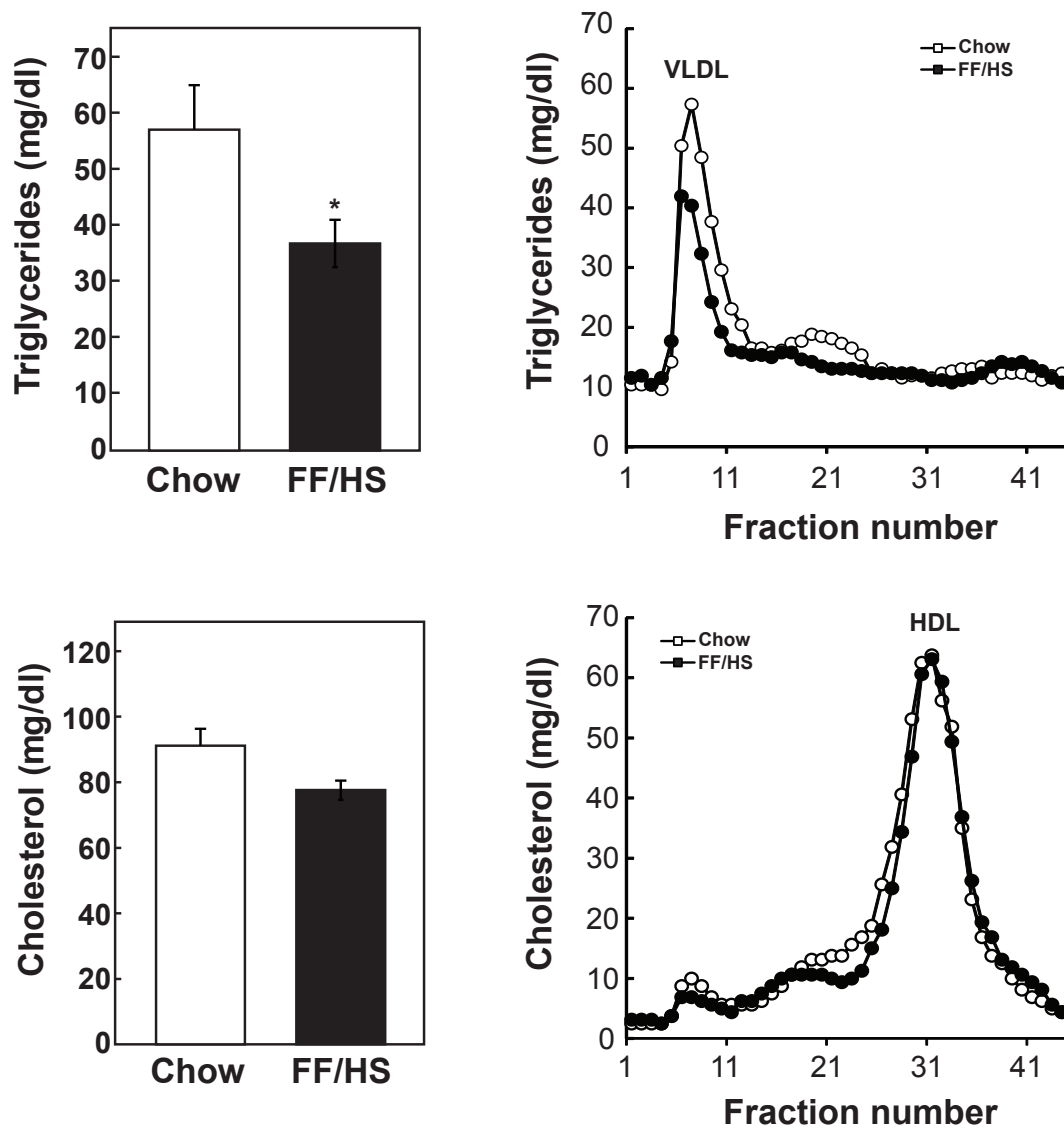


Supplementary Table S1. Sequences of primers for qPCR

Gene	Primer sequences
<i>Abcb11</i>	F: 5'-AAGCTACATCTGCCTTAGACACAGAAA-3' R: 5'-CAATACAGGTCCGACCCTCTCT-3'
<i>Abcg5</i>	F: 5'-TGGATCCAACACCTCTATGCTAAA-3' R: 5'-GGCAGGTTTTCTCGATGAACTG-3'
<i>Abcg8</i>	F: 5'-TGCCACCTTCCACATGTC-3' R: 5'-ATGAAGCCGGCAGTAAGGTAGA-3'
<i>Acat2</i>	F: 5'-GGGCTGCTGAATTCACCAT-3' R: 5'-GAAGAGAAAGGTCCACATCAGGAT-3'
<i>Acaca</i>	F: 5'-TGGACAGACTGATCGCAGAGAAAG-3' R: 5'-TGGAGAGCCCCACACACA-3'
<i>Acl</i>	F: 5'-GCCAGCGGGAGCACATC-3' R: 5'-CTTTGCAGGTGCCACTTCATC-3'
<i>Angptl4</i>	F: 5'-GCCTTTCCCTGCCCTTCTC-3' R: 5'-GATTGGAATGGCTACAGGTACCA-3'
<i>Angptl8</i>	F: 5'-AAGCTACATCTGCCTTAGACACAGAAA-3' R: 5'-CAATACAGGTCCGACCCTCTCT-3'
<i>Apob</i>	F: 5'-CGTGGGCTCCAGCATCTA-3' R: 5'-TCACCAGTCATTTCTGCCTTTG-3'
<i>Apoc3</i>	F: 5'-ACCCTGAGGACCAACCAACT-3' R: 5'-AGGCACATCTGCAACACAGA-3'
<i>ApoE</i>	F: 5'-GCAGGCGGAGATCTTCCA-3' R: 5'-CCACTGGCGATGCATGTC-3'
<i>Cd36</i>	F: 5'-GGAAGTGTGGGCTCATTGC-3' R: 5'-CATGAGAATGCCTCCAAACAC-3'
<i>Cyp7a1</i>	F: 5'-AGCAACTAAACAACCTGCCAGTACTA-3' R: 5'-GTCCGGATATTCAAGGATGCA-3'
<i>Elovl6</i>	F: 5'-TGTACGCTGCCTTTATCTTTGG-3' R: 5'-GCGGCTCCGAAGTTCAA-3'
<i>Fasn</i>	F: 5'-GCTGCGAAACTTCAGGAAAT-3' R: 5'-AGAGACGTGTCACCTCCTGGACTT-3'
<i>Hmgcs</i>	F: 5'-GCCGTGAACTGGGTCGAA-3' R: 5'-GCATATATAGCAATGTCTCCTGCAA-3'
<i>Hmgcr</i>	F: 5'-CTTGTGGAATGCCTTGTGATTG-3' R: 5'-AGCCGAAGCAGCACATGAT-3'
<i>Mttp</i>	F: 5'-CCTACCAGGCCCAACAAGAC-3' R: 5'-CGCTCAATTTTGCATGTATCC-3'
<i>Pltp</i>	F: 5'-TGGGACGGTGTGCTCAA-3' R: 5'-CCCACGAGATCATCCACAGA-3'
<i>Scarb1</i>	F: 5'-TCCCCATGAACTGTTCTGTGAA-3' R: 5'-TGCCCCGATGCCCTTGA-3'
<i>Scd-1</i>	F: 5'-CCGGAGACCCCTTAGATCGA-3' R: 5'-TAGCCTGTAAAAGATTTCTGCAAACC-3'
<i>Srebf-1</i>	F: 5'-GGAGCCATGGATTGCACATT-3' R: 5'-GGCCCCGGAAGTCACTGT-3'
<i>Srebf-2</i>	F: 5'-GCGTTCTGGAGACCATGGA-3' R: 5'-ACAAAGTTGCTCTGAAAACAAATCA-3'



Supplementary Fig. S1. mRNA expression of *Srebf-1c* and its target genes, *Apoc3* and *Acat2*, in the livers of mice fed a chow or an FF/HS diet. Male C57BL/6J mice were fed a chow or an FF/HS diet for 20 days. mRNA expression of *Srebf-1c* and its target genes that are involved in fatty acid synthesis (A), *Apoc3* (B), and *Acat2* (C) was determined by qPCR. Values represent the mean \pm SE of 10 mice relative to that of mice fed a chow diet, which is defined as 1. *Apoe* was used as the invariant control. * $P < 0.05$, ** $P < 0.01$ by Student's *t*-test.



Supplementary Fig. S2. Plasma triglyceride and cholesterol concentrations and lipoprotein profiles of mice. C57BL/6J male mice were fed a chow or an FF/HS diet for 20 days. (A) Plasma concentrations of triglycerides and cholesterol were determined. The data represent the mean \pm SE of 10 mice, * $P < 0.05$ by Student's *t*-test. (B) An equal amount of plasma from individual mice in the same group was pooled and lipoprotein profiles were determined.