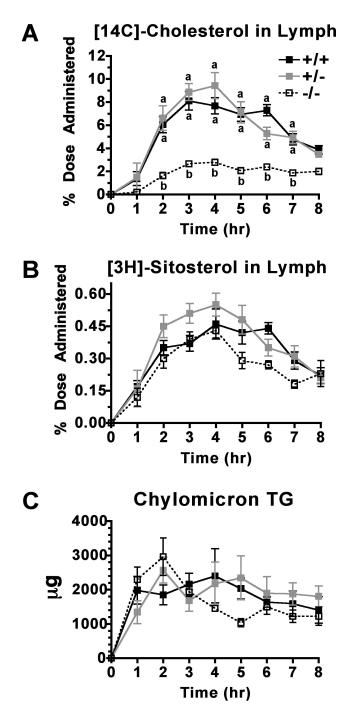
SUPPLEMENTAL DATA:

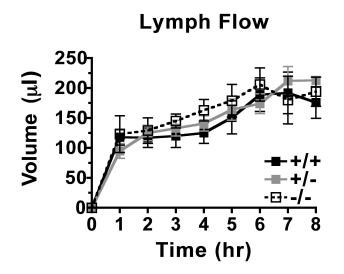
Supplemental Figure 1. Hourly appearance of radioactive sterols in lymph and isolated chylomicron triglyceride mass throughout 8 hours. Percent of (A) [¹⁴C]-cholesterol and (B) [³H]-sitosterol dose appearance in whole lymph at hourly collections. (C) Triglyceride (TG) mass (μ g) was measured in isolated chylomicron samples for every hourly collection. The data are expressed as mean±SEM, (n=5/genotype).

Supplemental Figure 2. Lymph flow rate during 8 hours of thoracic duct lymph collection. Lymph was collected into tubes with 5% EDTA plus protease inhibitor cocktail at one-hour intervals for 8 continuous hours after thoracic lymph duct cannulation. Data are expressed as percent of radioactive sterol dose recovered in lymph for each animal and represent mean±SEM (n=7-9/genotype). No statistically significant difference (p<0.05) was found by Two-Way ANOVA the 8th hour.

Supplemental Table 1. mRNA expression of genes involved in lipid metabolism. Mice were fed the sat. diet for 5 weeks and fasted for 4 hours prior to necropsy. Liver and five equidistant segments of the small intestinal (SI-1 to 5) were collected. Pools (n=5/genotype) of each tissue were used to quantify mRNA expression by real-time PCR. Data are in arbitrary units normalized by cyclophilin mRNA expression in the same sample pool. *Mtp*, microsomal transfer protein; *Apob*, apolipoprotein B; *Abca1*, ATP-binding cassette type A1; *Apoa1*, apolipoprotein A1; *HmgCoAs*; 3-hydroxy-3-methylglytaryl coenzyme A synthase; *HmgCoAr*, 3-hydroxy-3-methylglytaryl coenzyme A reductase; *Lxr*, liver X receptor; *Srebp-1c*; sterol regulatory element-binding protein 1c; *Ppar*; peroxisome proliferator-activated receptor; *Acc*, acetyl-CoA carboxylase. **Supplemental Figure 1**



Supplemental Figure 2



Supplemental Table 1: mRNA Expression of Lipid Metabolism Genes in Pooled Tissue Samples (n=5/genotype)							
	Arbitrary Units (normalized to cyclophilin)						
Gene	Genotype	SI-1	SI-2	SI-3	SI-4	SI-5	Liver
	+/+	1162	1285	998	860	454	144
Mtp	+/-	1268	1393	1074	872	460	106
	-/-	1398	1167	952	773	407	101
	+/+	1709	2223	1952	2194	1427	2193
Apob	+/-	1795	2268	2493	1876	1313	1668
	-/-	1776	1545	1336	1119	1135	1422
	+/+	58	98	107	95	69	149
Abca1	+/-	67	126	154	105	65	113
	-/-	99	142	106	87	75	97
	+/+	5287	6421	5687	5746	3358	4310
Apoa1	+/-	5474	7144	6534	5707	3586	3255
	-/-	5038	6011	4900	3911	2985	3676
	+/+	26	31	31	41	68	21
HmgCoAs	+/-	28	36	37	37	78	12
	-/-	26	24	22	24	43	ç
	+/+	18	22	24	33	38	10
HmgCoAr Srebp-1c	+/-	17	24	28	31	39	ç
	-/-	19	17	20	21	26	7
	+/+	6	6	6	5	4	2
	+/-	6	6	6	4	4	1
	-/-	6	4	4	3	3	1