

Supplementary figure and table legends

Supplementary figure 1 *Ffar4* WT and HET mice exhibit similar *Ffar4* mRNA levels.

Ffar4 mRNA level measured by RT-qPCR, n= 18-20..

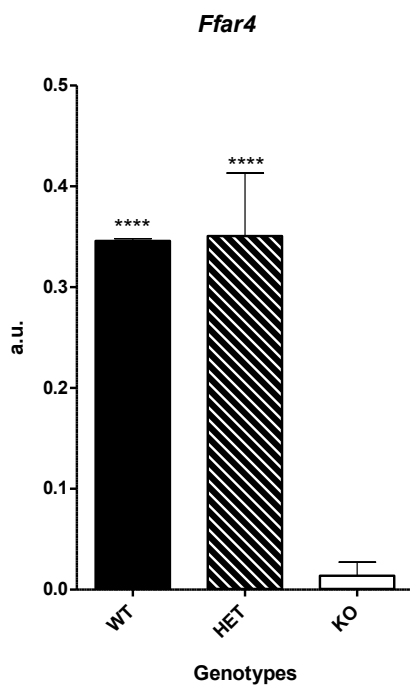
Data are presented as means \pm SEM. All genotypes have been compared to the KO. 1-way ANOVA with Bonferroni correction. **** $p < 0.0001$.

Supplementary Table 1 Detailed diet compositions

Unless otherwise noted, percentages describe the weight percentage.

Supplementary Figures and Tables

Supplementary Figure 1



Supplementary Table 1

Product No. (<i>customized</i>)		S8672-E0500	S8672-E408	S8672-E409
		AIN mod. LF Control	AIN, SBO Oil High Sucrose	AIN, Fish Oil High Sucrose
	Weight %			
Casein	%	20,0000	19,5000	19,5000
Corn starch	%	52,0000	5,0000	5,0000
Maltodextrin	%	—	10,0000	10,0000
Sucrose	%	9,7770	31,6270	31,6270
Cellulose powder	%	5,0000	5,0000	5,0000
L-Cystine	%	0,3000	0,3000	0,3000
DL-Methionine	%	0,1600	0,1600	0,1600
Vitamin premix	%	1,0000	1,0000	1,0000
Mineral premix	%	3,5000	6,0000	6,0000
Choline chloride	%	0,2500	0,2500	0,2500
Vitamin K3	%	0,0005	0,0005	0,0005
Vitamin B12	%	0,0025	0,0025	0,0025
Butylated hydroxytoluene	%	0,0100	0,0100	0,0100
Cholesterol	%	—	0,1500	0,1500
Na CMC	%	1,0000	—	—
Soybean oil	%	7,0000	21,0000	—
Fish oil	%	—	—	21,0000
Σ		100,000	100,000	100,000
Crude protein	%	17,8	17,3	17,3
Crude fat	%	7,1	21,1	21,1
Crude fibre	%	5,0	5,0	5,0
Crude ash	%	3,4	5,4	5,4
Starch	%	50,0	4,8	4,8
Sugar		10,9	32,5	32,5
	Energy %			
ME (Atwater) MJ/kg		16,0	19,0	19,0
Protein	%	19	15	15
Fat	%	17	42	42
CHO	%	64	43	43
<i>Fatty acids in the diet</i>	Weight %			
C14:0	%	0,02	0,02	1,59
C15:0	%	—	—	0,12
C16:0	%	0,79	2,44	3,90
C17:0	%	—	—	0,13
C18:0	%	0,25	0,75	0,82
C16:1	%	0,01	0,02	1,77
C18:1	%	1,78	5,27	2,40
C18:2	%	3,71	11,06	0,30
C18:3	%	0,40	1,22	0,16
C18:4	%	0,01	0,02	0,64
C20:0	%	0,03	0,08	0,12
C20:1	%	0,02	0,05	0,44
C20:4	%	—	—	0,19
C20:5	%	—	—	3,68
C22:1	%	—	—	0,09
C22:5	%	—	—	0,41
C22:6	%	—	—	2,54

