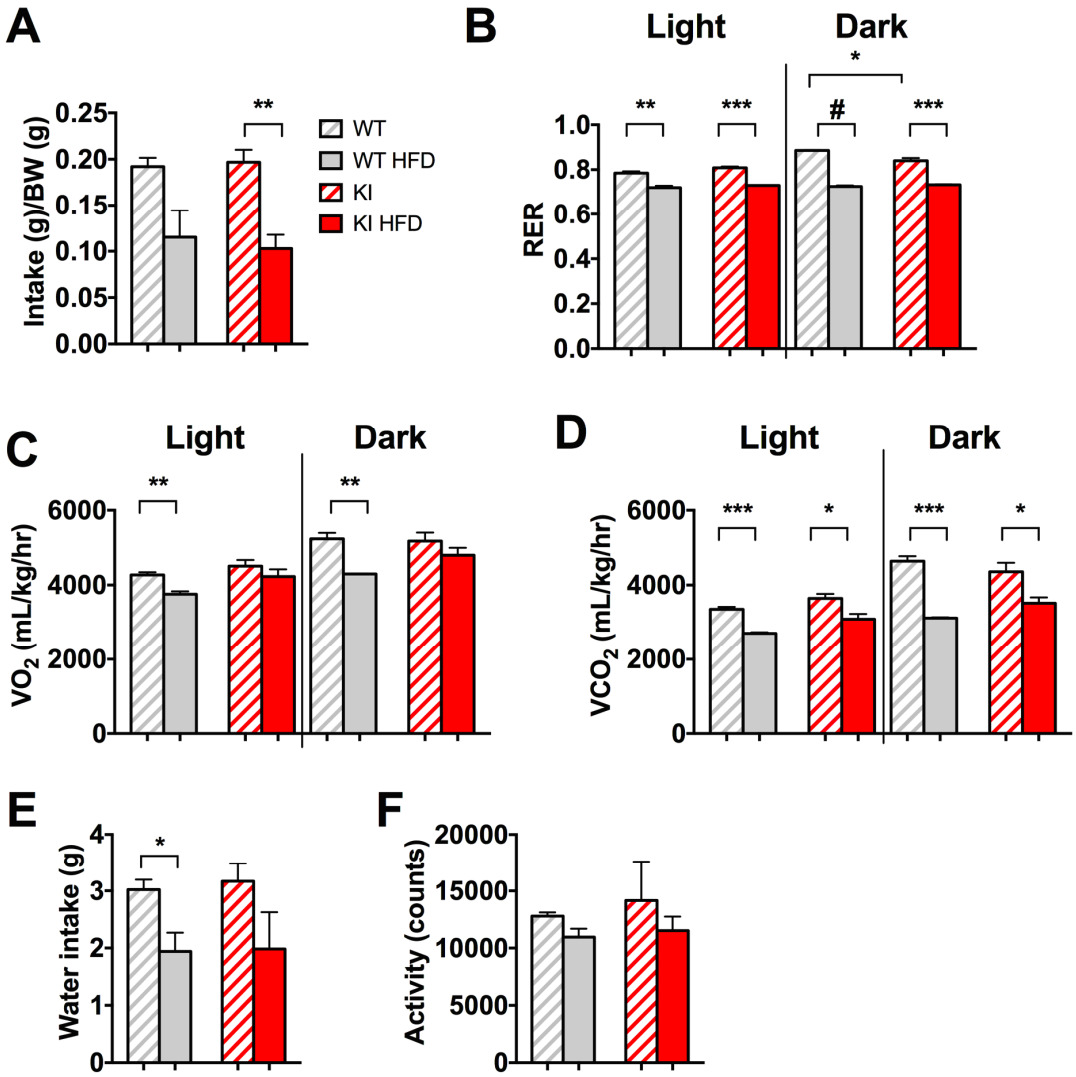
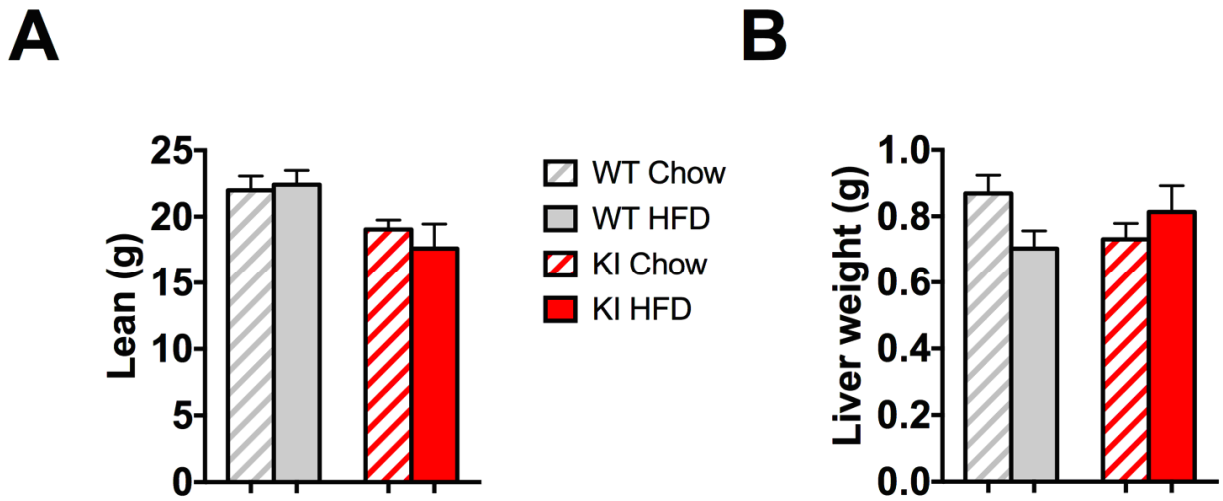
SUPPLEMENTARY DATA

Supplementary Figure 1. CLAMS data showing (A) food intake, (B) respiratory exchange ratio, (C) oxygen consumption and (D) carbon dioxide production from CLAMS data after 4 weeks of diet. (E) daily water intake and (F) activity (CLAMS data, 8 weeks of diet). Results are shown as mean ± SEM of 3 animals per group, *P<0.05, **P<0.01, ***P<0.001, #P<0.0005, t-tests compared to controls.



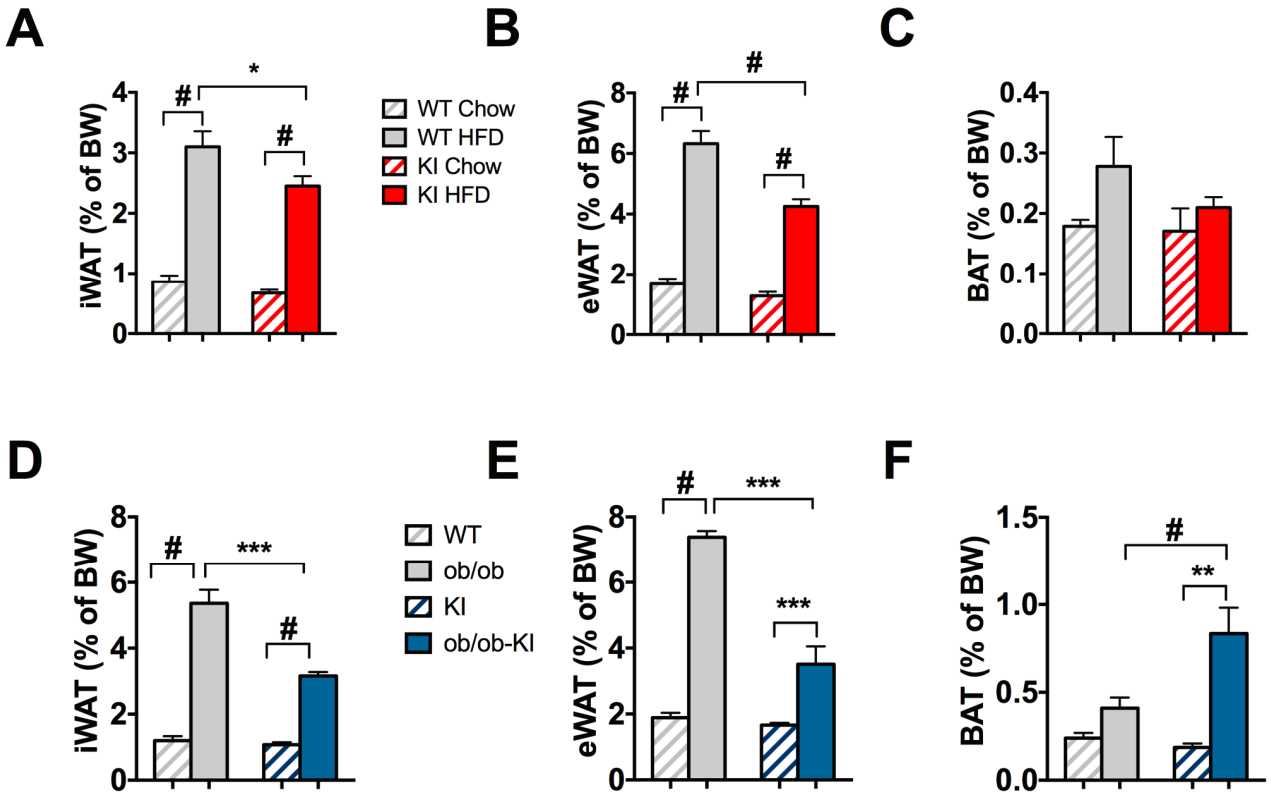
SUPPLEMENTARY DATA

Supplementary Figure 2. (A) Lean mass was measured by DEXA with results shown as mean ± SEM of 6-9 animals per group. (B) Liver weight of WT and Kl mice of CD or HFD at 8 weeks of age (n=12-14 animals per group). Legend in A is the same for B



SUPPLEMENTARY DATA

Supplementary Figure 3. (A) Inguinal, (B) epididymal and (C) brown adipose tissue weight after 8 weeks on CD or HFD shown as percentage of body weight, presented as ± SEM of 12-14 animals per group. (A) Inguinal, (B) epididymal and (C) brown adipose tissue weight at 8 weeks of age shown as percentage of body weight, presented as ± SEM of 4-12 animals per group. *P< 0.05, **P<0.01, ***P<0.001, #P0.005 one-way ANOVA



SUPPLEMENTARY DATA

Supplementary Table 1.

Gene	Forward Sequence	Reverse Sequence
Fas	gag gac act caa gtg gct ga	gtg agg ttg ctg tcg tct gt
Hsl	acg gat acc gta gtt tgg tgc	tcc aga agt gca cat cca ggt
Acl	aat ggc cgt cat gtg agt tt	gtg gcc cca act atc aag ag
Atgl	act gtg gcc tca ttc ctc ct	aac tgg atg ctg gtg ttg gt
C/EBPα	caa gaa cag caa cga gta ccg	gtc act ggt caa ctc cag cac
PPARγ	tgt tat ggg tga aac tct ggg	aga gct gat tcc gaa gtt gg
Ap2	gat gcc ttt gtg gga acc t	ctg tcg tct gcg gtg att t
F4/80	aac tct gtc ctc ctt gcc tgg	cag caa cct cgt gtc ctt gag
Cd68	cag ctg cct gac aag gga ca	gga gga cca ggc caa tga tg
Acc	aac ctg agg gagcag ttc aa	agg tca gct cgt ctg aca gg
Scd1	cag ccg agc ctt gta agt tc	gct cta cac ctg cct ctt cg
Cpt1	agt ggc ctc aca gac tcc ag	gcc cat gtt gta cag ctt cc
Mcd	gct acc agg ctg agg atc tg	cct cat ggt caa cta ccg ct
Hadha	ctg gtc agc aga gca gaa ga	att ggc agt ctc agt cgc tt
Acad	ccg act agg cca tct ttt ga	gga gct aaa ggg atc tgc aac
Gapdh	aac ttt ggc att gtg gaa g	aca cat tgg ggg tag gaa a
AldoB	gct ggg caa ttt cag aga gc	gag gac tct tcc cct ttg ct
Enol1	aga tcg acc tca aca gtg gg	ctt aac gct ctc ctc ggt gt
G6p	gtg tcc aggacc cac caa ta	act gtg ggc atc aat ctc ct
Pepck	tgt ctt cac tga ggt gcc ag	ctg gat gaa gtt tga tgc cc
Pgc1α	ccc tgc cat tgt taa gac c	tgc tgc tgt tcc tgt ttt c
Errα	gca ggg cag tgg gaa gct	cct ctt gaa gaa ggc ttt gca
Pparα	aacatcgagtgtcgaatatgtgg	ccg aat agt tcg ccg aaa gaa