SUPPLEMENTARY DATA

Supplementary Table 1. Inflammatory mRNA expression in bone marrow derived macrophages of SOCS1 *LysM-cre* and control mice.

	Il6	*Tnfa*	*Il1b*
SOCS1 *LysM-cre*	1.1±0.4*	1.2±0.4*	1.04±0.1*
Control	0.6±0.3	0.5±0.1	0.8±0.1

Data are means ± SEM, n=5 animals per group. * P<0.05 relative to littermate control.

Supplementary Table 2. Parameters during the euglycaemic-hyperinsulinemic clamp

	Control	SOCS1 *LysM-cre*
Clamp glucose (mmol/L)	5.2±0.1	5.1±0.1
Clamp Insulin (pmol/l)	1827.5±451.7	1875.6±556.3
Basal glucose turnover (mg/kg/min)	40.2±4.59	35.6 ±2.79
IS-GDR (mg/kg/min)	33.7±6.54	34.3±3.79

Data are means ± SEM, n=12 animals per group. IS-GDR = insulin stimulated glucose disposal rate.

SUPPLEMENTARY DATA

Supplementary Table 3. Liver Enzymes in SOCS1 *LysM-cre* and wildtype mice

	Control	SOCS1*LysM-cre*	P value
ALT (U/L)	26±3.3	119±25.3	P=0.03
AST (U/L)	100.6±6	250±45	P=0.04
ALP (U/L)	103±14.9	119 ±11.7	P=ns
Bilirubin (μmol/L)	3.8±0.6	3.3±0.6	P=ns
Albumin (g/L)	12±0.3	13±0.6	P=ns

Data are means ± SEM, n=5 animals per group. ns=not significant

SUPPLEMENTARY DATA

Supplementary Figure 1. Preserved skeletal muscle glucose uptake in SOCS1 *LysM-cre* mice despite the presence of inflammation. (A) Basal and insulin stimulated glucose uptake are similar between SOCS1 *LysM-cre* and control mice. (B) Akt phosphorylation is unimpaired in SOCS1 *LysM-cre* mice. (C) Expression of muscle cytokine levels by RT-PCR analysis is increased in SOCS1 *LysM-cre* mice. (D) Skeletal muscle AMPK phosphorylation is not decreased in SOCS1 *LysM-cre* mice. White bars = FL/FL controls and black bar = SOCS1 LysM-cre mice.