

SUPPLEMENTARY DATA

**Supplementary Table 1.** Quantitative PCR Primer sequences:

<i>Acc</i>	F: TAA TGG GCT GCT TCT GTG ACT C R: CTC AAT ATC GCC ATC AGT CTT G
<i>Acox</i>	F: GTC GAC CTT GTT CGC CA R: GGT TCC TCA GCA CGG CTT
<i>Arg-1</i>	F: ATG GAA GAG ACC TTC AGC TAC R: GCT GTC TTC CCA AGA GTT GGG
<i>36b4</i>	F: AGA TGC AGC AGA TCC GCA T R: GTT CTT GCC CAT CAG CAC C
<i>Cd11c</i>	F: ACA CAG TGT GCT CCA GTA TGA R: GCC CAG GGA TAT GTT CAC AGC
<i>Chga</i>	F: AGG AGC GTC TGT CCA GAG AA R: CAG GCT CTC TAG CTC CTG GT
<i>Cpt1</i>	F: CAG GAT TTT GCT GTC AAC CTC R: GAG CAT CTC CAT GGC GTA G
<i>Gapdh</i>	F: TAT GTC GTGGAG TCT ACT GGT GT R: GTC ATC ATA CTT GGC AGG TTT CT
<i>G6Pase</i>	F: GTT GAA CCA GTC TCC GAC CA R: CGA CTC GCT ATC TCC AAG TGA
<i>IL-1b</i>	F: AAA TAC CTG TGG CCT TGG GC R: CTT GGG ATC CAC ACT CTC CAG
<i>IL-6</i>	F: CCA GAG ATA CAA AGA AAT GAT GG R: ACT CCA GAA GAC CAG AGG AAA T
<i>IL-10</i>	F: TGA ATT CCC TGG GTG AGA AG R: TCA CTC TTC ACC TGC TCC ACT
<i>IL-12p40</i>	F: CCA GAG ACA TGG AGT CAT AG R: AGA TGT GAG TGG CTC AGA GT
<i>iNos</i>	F: GAG GCC CAG GAG GAG AGA GAT CCG R: TCC ATG CAG ACA ACC TTG GTG TTG
<i>Mcp-1</i>	F: AGG TCC CTG TCA TGC TTC TG R: GCT GCT GGT GAT CCT CTT GT

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<i>Mgl-1</i>	F: ATG ATG TCT GCC AGA GAA CC R: ATC ACA GAT TTC AGC AAC CTT A
<i>Mgl-2</i>	F: CAG AAC TTG GAG CGG GAA GAG R: TTC TTG TCA CCA TTT CTC ATC TCC T
<i>Pepck</i>	F: CTG CAT AAC GGT CTG GAC TTC R: CAG CAA CTG CCC GTA CTC C
<i>Srebp-1c</i>	F: GGA GCC ATG GAT TGC ACA TT R: CTT CCA GAG AGG AGG CCA G
<i>Tnfa</i>	F: CCA GAC CCT CAC ACT CAG ATC R: CAC TTG GTG GTT TGC TAC GAC
<i>Ym1</i>	F: GGG CAT ACC TTT ATC CTG AG R: CCA CTG AAG TCA TCC ATG TC

**Supplementary Figure 1. GTT and ITT in mice with C57BL/6 genetic background.** Three month old WT and *Chga*-KO mice were fed HFD for 12 weeks. Body weight-matched mice were fasted for 12 hrs and subjected to IP-GTT (A) and ITT (C) and the corresponding AUCs for glucose excursions were determined (B&D). (E) Four month old *Chga*-KO mice were fed HFD for 12 months, fasted for 12 hrs, injected with PST (5 µg/g BW, IP) at -30 min and subjected to GTT after injecting glucose at 0 min. \*: P<0.05, \*\*: p< 0.01, \*\*\*: p<0.001.

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