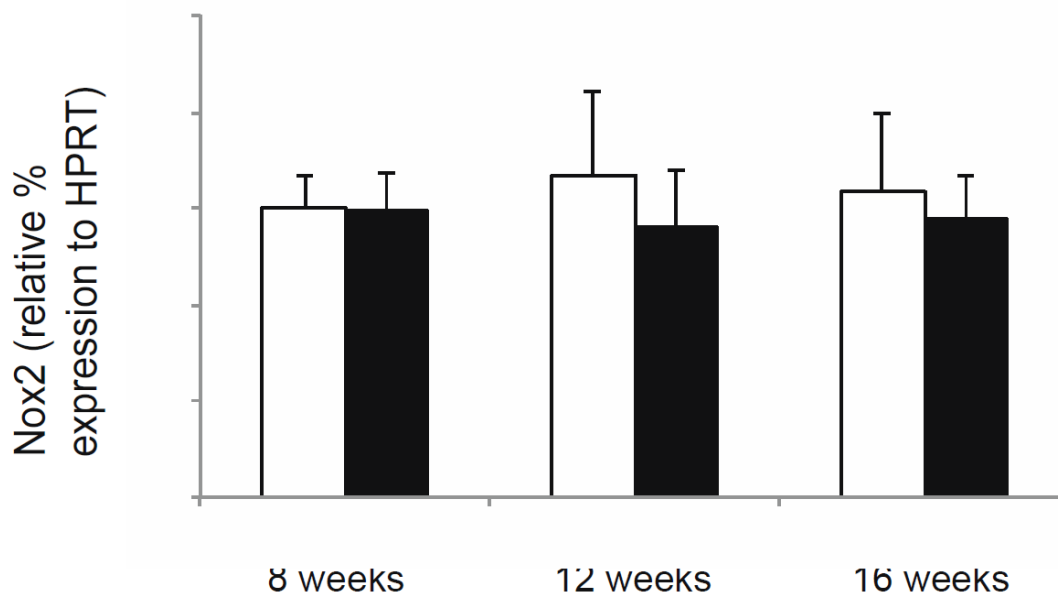


SUPPLEMENTARY DATA

**Supplementary Figure 1.** Renal Nox2 expression in the db/m and db/db mice at 8-, 12-, and 16-weeks of age, demonstrating no significant differences in the Nox2 expression in the db/db compared to the db/m mice.



SUPPLEMENTARY DATA

**Supplementary Figure 2.** Renal Glrx1 (Glutaredoxin-1), Glrx2 (Glutaredoxin-2), and GSTO-1 (Glutathione S-transferase omega-1) expression in 12-week old db/m and db/db mice. Primers obtained from Invitrogen (Life Technologies, USA). Glrx1 and Glrx2 are two isozymes of mammalian glutaredoxin with dehydroascorbate reductase activity. GSTO-1 and GSTO-2 are two isozymes of Glutathione S-transferase Omega with dehydroascorbate reductase activity. The renal expressions of Glrx1 and GSTO-1 are higher in the db/db compared to the db/m mice (\*:  $p < 0.05$ ). The renal GSTO-2 expression is very low in the db/db and db/m mice (results not shown).

