

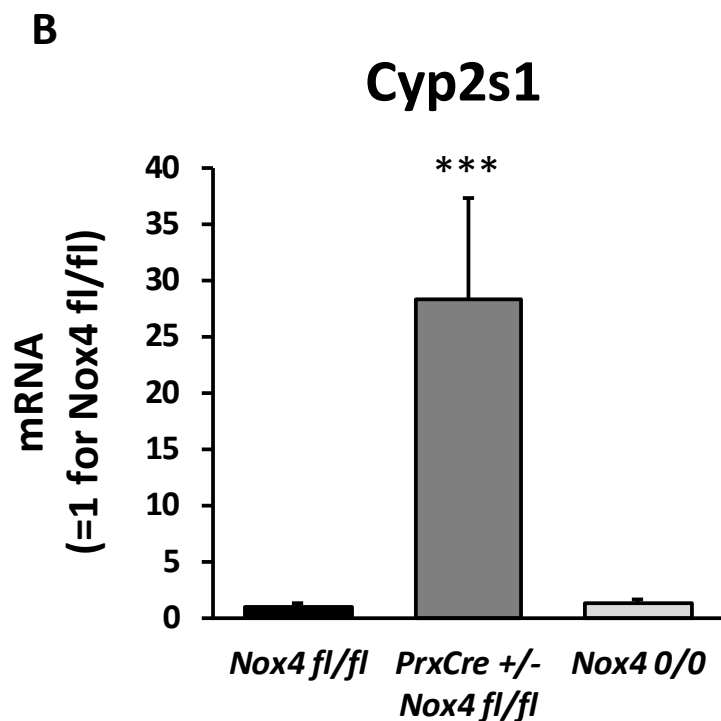
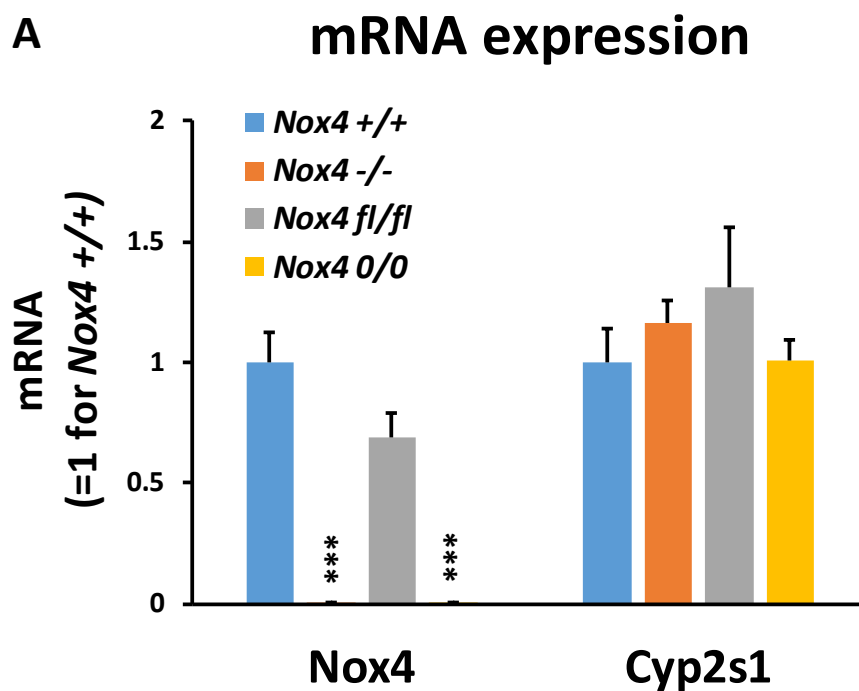
Supplemental Figures for

Chronic ethanol feeding in mice decreases expression of genes for major structural bone proteins in a Nox4-independent manner.

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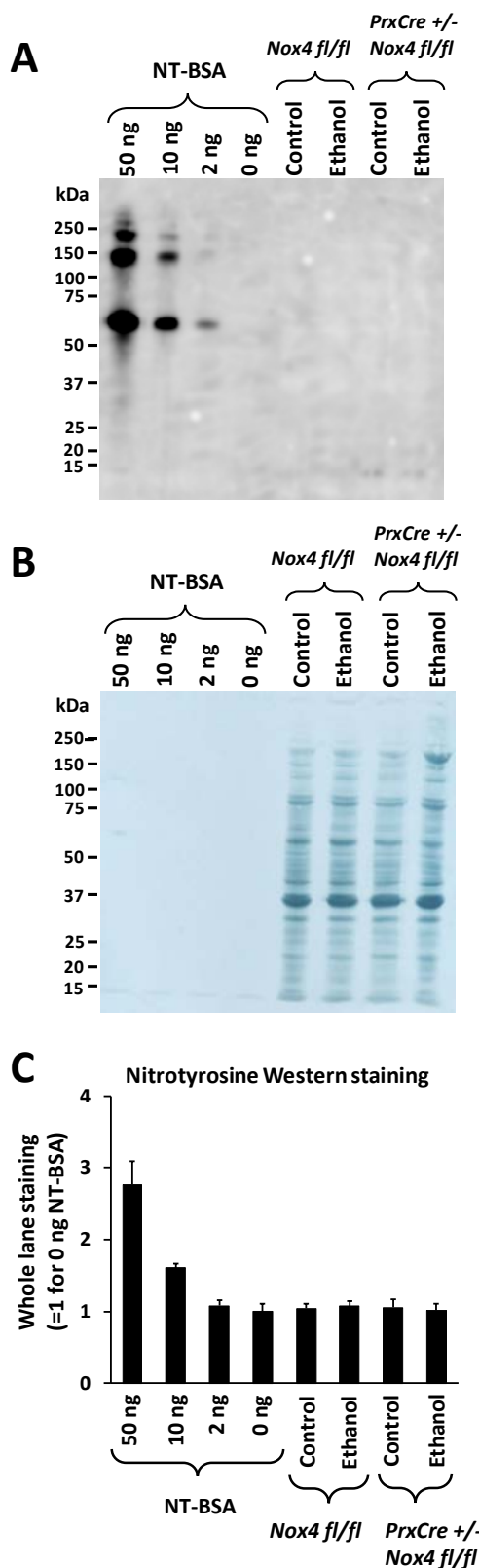
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Supplemental Figure 1



Supplemental Figure 1. (A) *Nox4* and *Cyp2s1* mRNA expression were compared in two *Nox4* knockout models. The genotype *Nox4* -/- has a knockout of exon 4 of the *Nox4* gene, while *Nox4* 0/0 has a knockout of exons 1 and 2. C57Bl/6 mice represent the wildtype *Nox4* +/+ genotype. Gene expression were determined in femur shaft RNA from 4 males of each genotype at an age of 9 weeks. ***: P < 0.001 vs. the control genotypes. (B) *Cyp2s1* mRNA expression were determined in femur shaft RNA from 4 males of each genotype at an age of 13 weeks. ***: P < 0.001 vs. *Nox4* fl/fl.

Supplemental Figure 2



Supplemental Figure 2. (A) Western blot for detection of nitrotyrosine with 0 – 50 ng of nitrotyrosine bovine serum albumin (NT-BSA) and 12 μ g femur shaft proteins from males of the two genotypes fed either the ethanol or control diet. (B) Equal loading of femur shaft proteins was verified by staining the membrane with naphthol blue black. (C) The staining of each whole lane in three independently conducted Western blots was quantified. In each Western blot, the staining of each lane was normalized to the average staining for all 8 lanes. The mean lane staining for 0 ng NT-BSA was set to a value of 1.