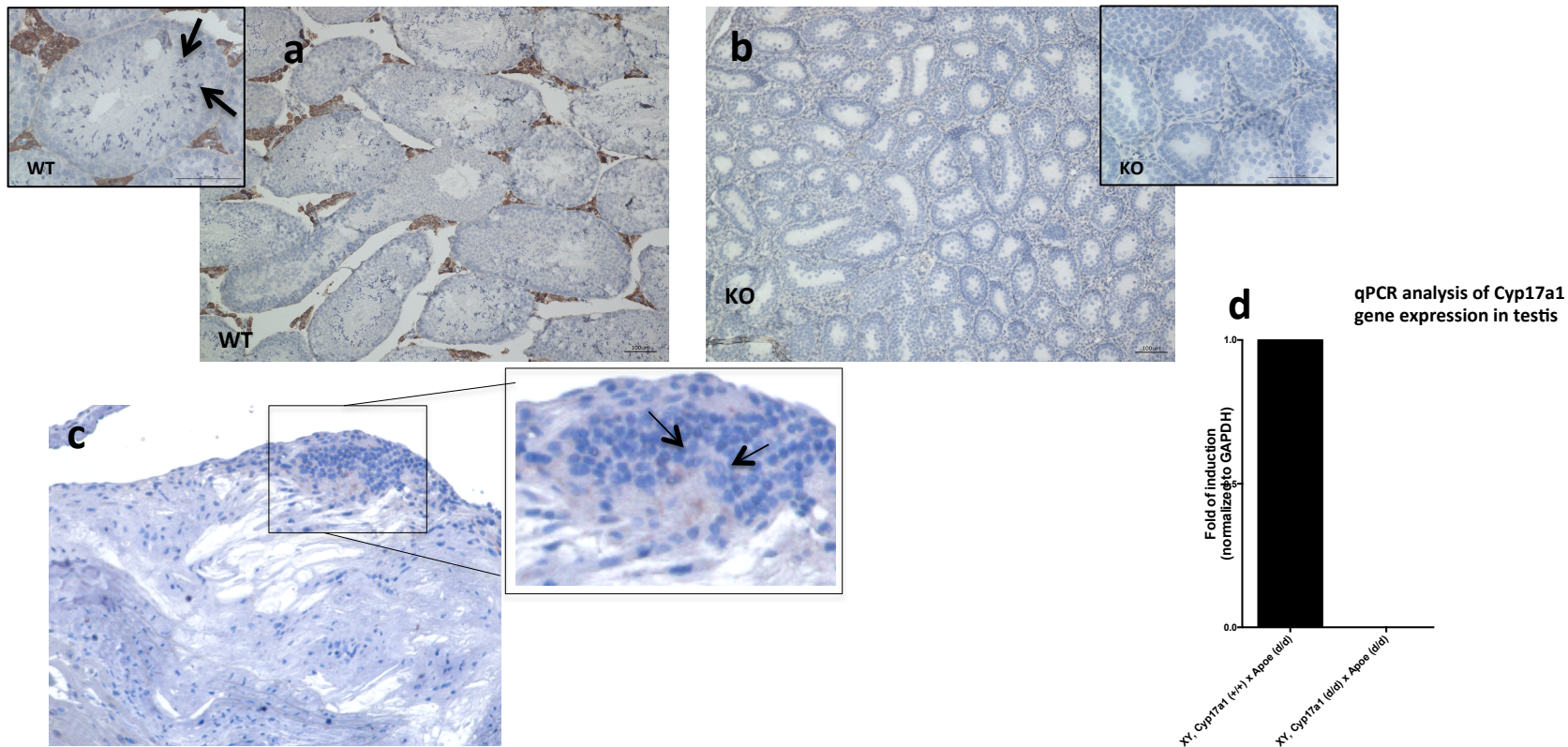


## CYP17A1 deficient XY mice display susceptibility to atherosclerosis, altered lipidomic profile and atypical sex development

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**Supplementary Figure 2: Expression of CYP17A1.** A: Testis of an adult *Cyp17a1* (+/+)x*Apoe*(d/d) mouse showing normal seminiferous tubules and spermatogenesis processes (arrays, high magnification) as well as the expression of *Cyp17a1* in Leydig cells using immunohistological staining (brown). B: Testis of an aged-matched *Cyp17a1*(d/d)x*Apoe*(d/d) mouse showing smaller tubules, missing spermatogenesis, and no expression of CYP17A1. C: Expression of CYP17A1 in aortic plaque cap of an old *Apoe*(d/d) mouse (1 year old). Cell nuclei were stained blue using Heamalaun counterstaining. D: qPCR analysis of the expression of *Cyp17a1* in testis of adult adult *Cyp17a1* (+/+)x*Apoe*(d/d) mouse. All bar scales are set to 100  $\mu$ m.