Supplementary Data

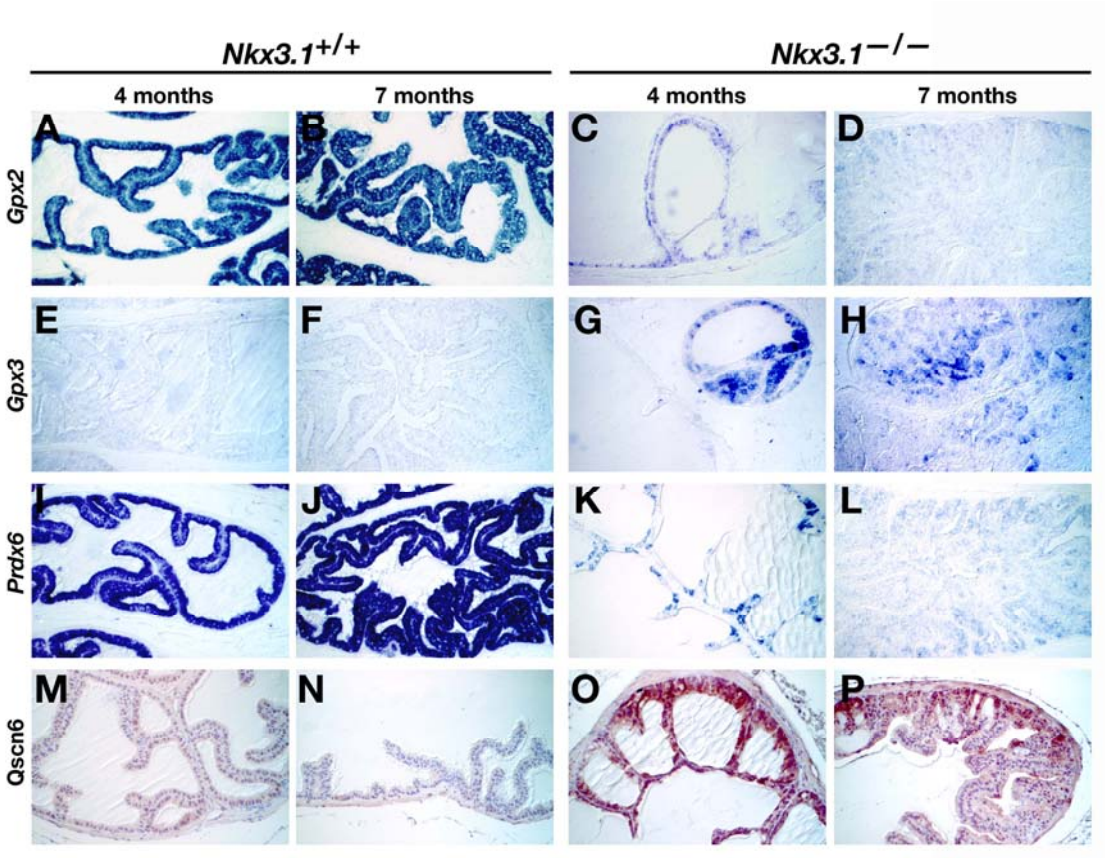
Table 1: List of 638 genes that are deregulated in *Nkx3.1* mutant mice

Figure S1: Aberrant expression of anti-oxidant and pro-oxidant genes in young *Nkx3.1* mutant mice.

(A-L) *In situ* hybridization showing wide-spread expression of *Gpx2* and *Prdx6* in the epithelium of the wild-type prostate at 4 months and 7 months (A, B, I, J), while expression is uniformly reduced throughout the epithelium of the *Nkx3.1* mutant (C, D, K, L). In contrast, *Gpx3* expression is virtually absent in the epithelium of the wild-type prostate (E, F), while it is expressed in hyperplastic/dysplastic lesions of the *Nkx3.1* mutant (G, H).

(M-P) Immunohistochemical staining of Qscn6 shows low level expression of this pro-oxidant enzyme in the wild-type prostate at 4 months and 7 months (M, N), while expression is uniformly elevated in the *Nkx3.1* mutant (O, P).

Figure S1


Nkx3.1+/+
Nkx3.1−/−
4 months
7 months
4 months
7 months
Gpx2
Gpx3
Prdx6
Qscn6
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P