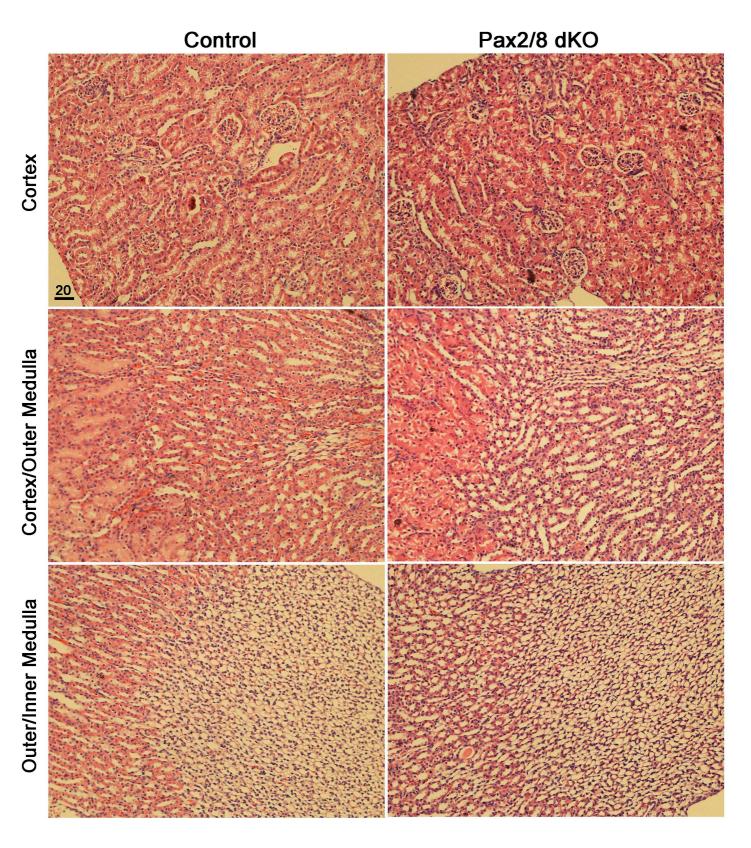
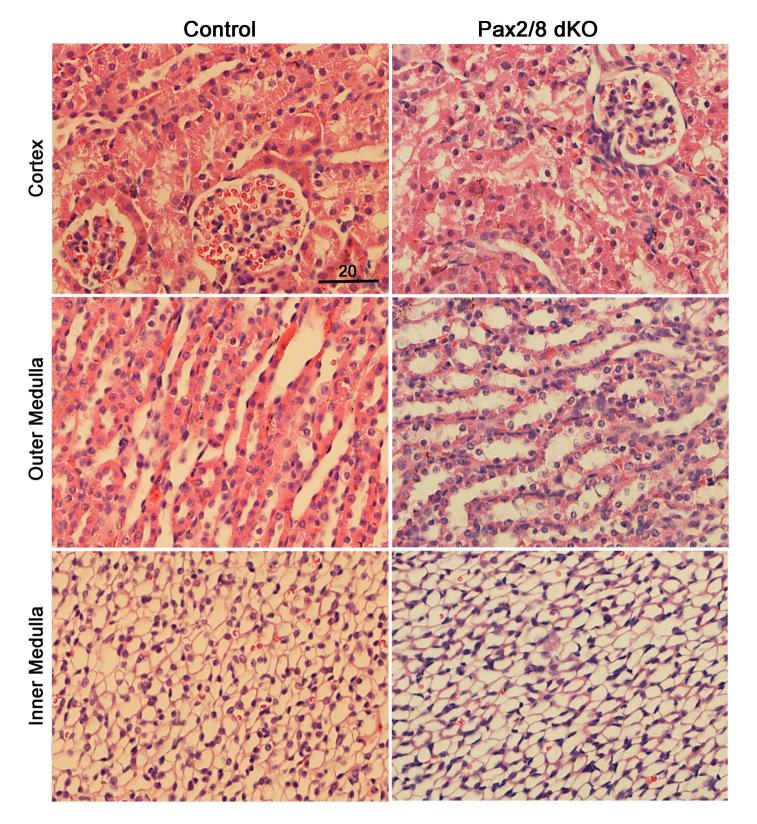
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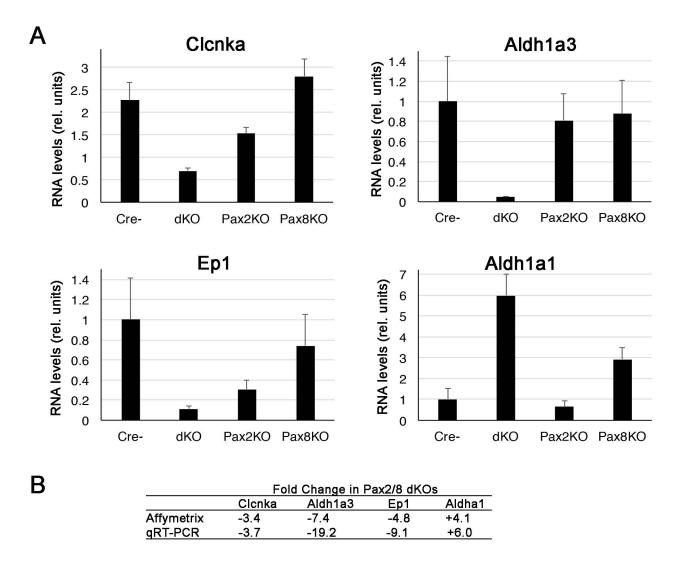
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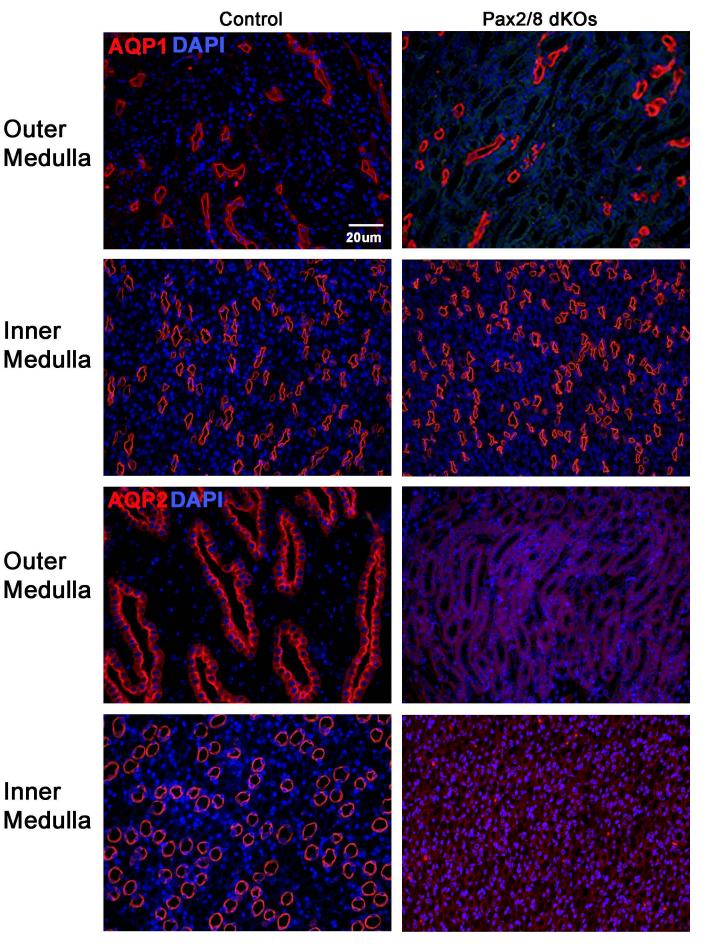
Supplemental Figure S1. A) Histological sections from control and Pax2/8 dKO kidneys taken 2 weeks after last tamoxifen injection. Magnification bar for all panels is 20 μ m. Staining is by hematoxylin and eosin.



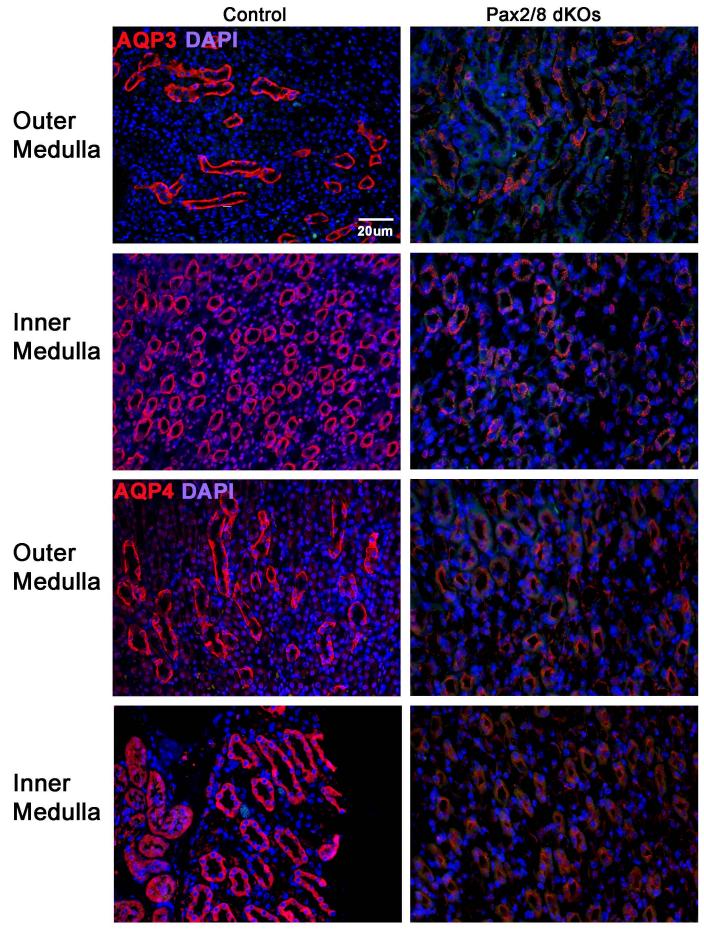
Supplemental Figure S1. B) Higher magnifications of sections from control and Pax2/8 dKO kidneys taken 2 weeks after last tamoxifen injection. Magnification bar for all panels is 20 μ m. Staining is by hematoxylin and eosin.



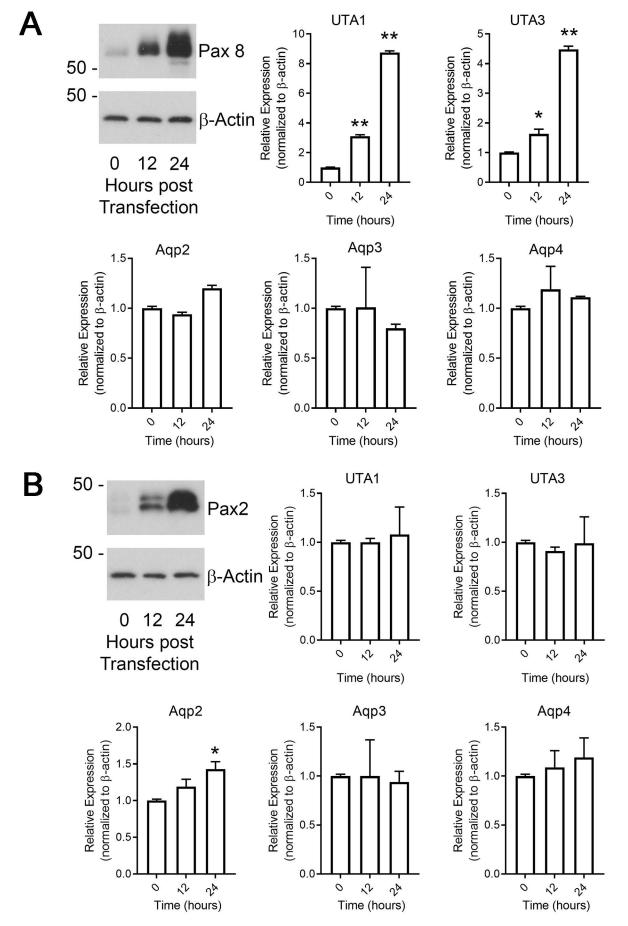
Supplemental Figure S2. A) Quantitative RT-PCR for selected genes identified by Affymetrix arrays as significantly altered in Pax2/8 dKOs. Controls are Cre- and single and double KOs are shown. B) Comparison of fold change detected by qRT-PCR and Affymetrix arrays.



Supplemental Figure S3. Immunostaining of control and Pax2/8 dKO kidney sections stained with antibodies against Aqp1 (red) or Aqp2 (red) as indicated. Kidneys are 2 weeks post tamoxifen and nuclei are stained with Dapi (blue).



Supplemental Figure S4. Immunostaining of control and Pax2/8 dKO kidney sections stained with antibodies against Aqp3 (red) or Aqp4 (red) as indicated. Kidneys are 2 weeks post tamoxifen and nuclei are stained with Dapi (blue).



Supplemental Figure S5. A) Transfection of Pax8 into mIMCD cells and qRT-PCR analyses for the indicated transcripts are shown before (0) or 12 or 24 hours post transfection. B) Similar experiments as in A but using Pax2 expression vectors. All transfections and qRT-PCRs were done in triplicate (**p<.01, *p<.05).