

Figure S1

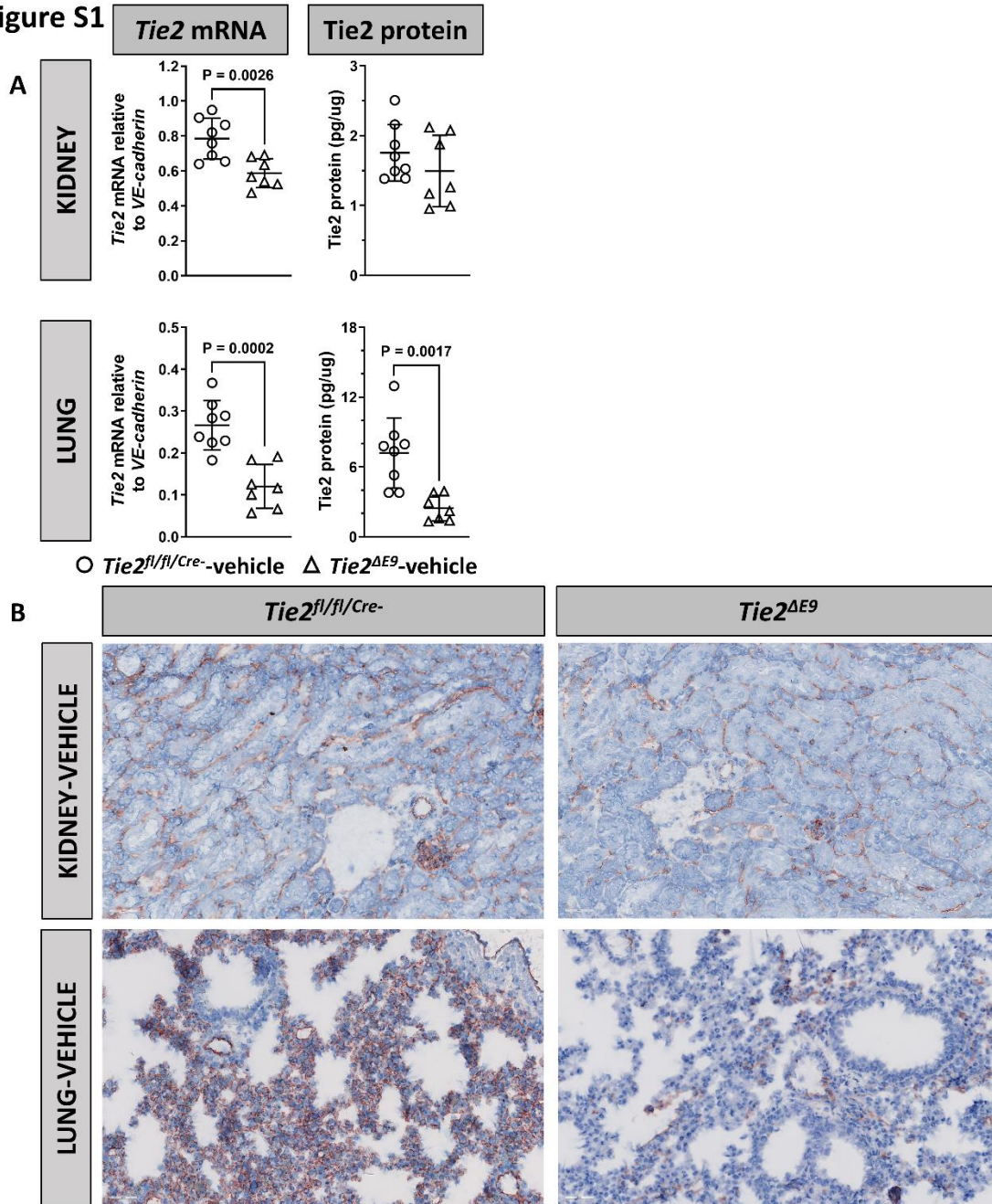


Figure S1. Tie2 mRNA and protein expression in kidney and lung. Tie2 expression levels were determined in kidney and lung of *Tie2^{fl/fl}/Cre⁻* control and *Tie2^{ΔE9}* knock out mice after tamoxifen and vehicle treatment by (A) RT-qPCR (left) and ELISA (right). Graphs show individual values, and means (black lines) ± SD (error bars). Open circles: *Tie2^{fl/fl}/Cre⁻*-veh mice (n=8); open triangles: *Tie2^{ΔE9}*-veh mice (n=7). Tie2 protein expression was localized by immunohistochemistry in kidney, and lung of *Tie2^{fl/fl}/Cre⁻* control, and *Tie2^{ΔE9}* knock out mice after tamoxifen and vehicle treatment. (B) Photomicrographs of Tie2 staining, taken at 400× optical magnification, are shown for each genotype.

Figure S2: genotyping kidney samples, raw images

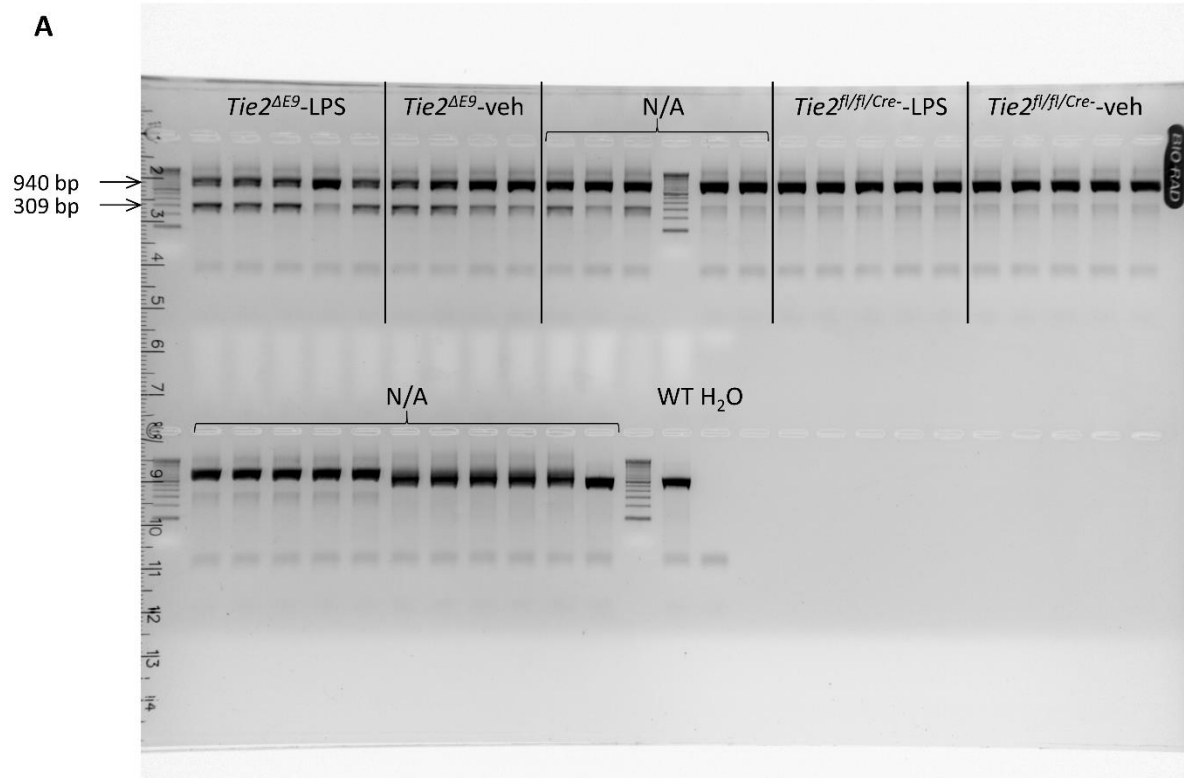
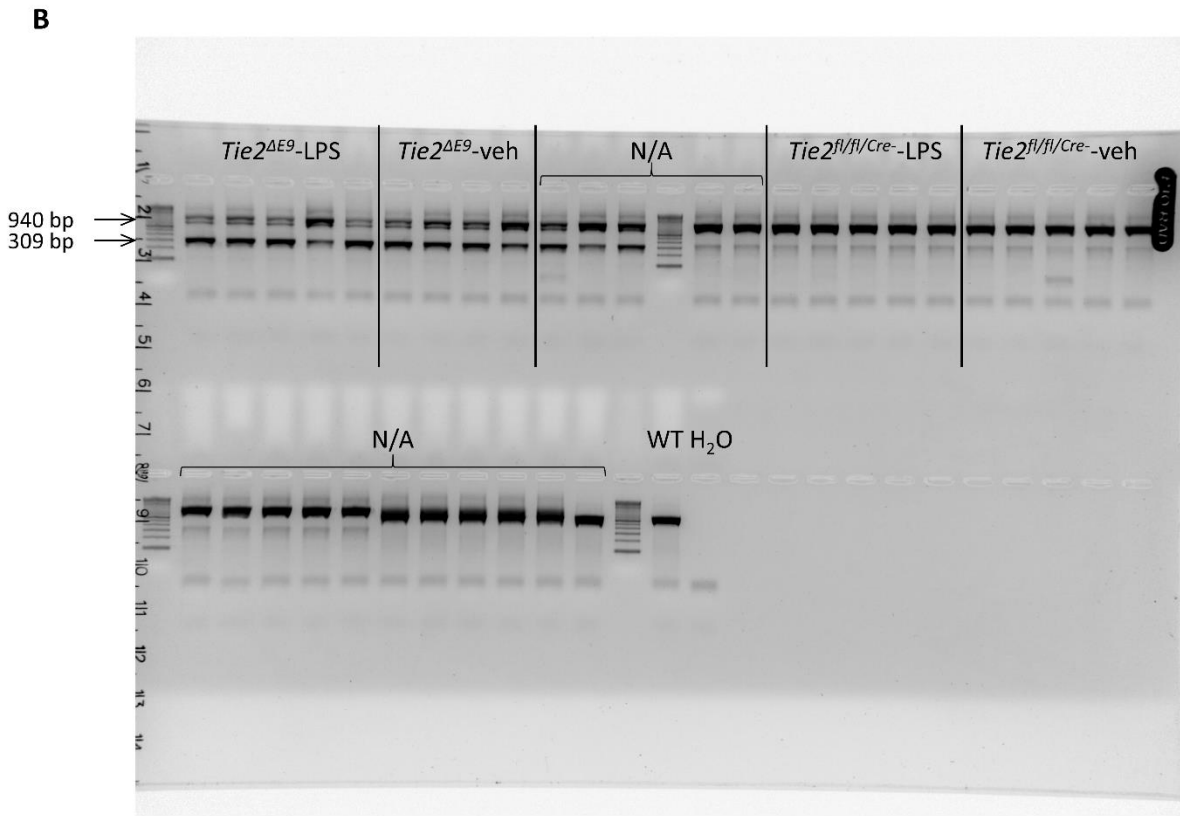


Figure S2. Genotyping organ samples, raw images. Deletion of *Tie2* exon9 by tamoxifen-induced Cre-recombinase was confirmed by genomic PCR for (A) kidney, (B) lung, and (C) kidney and lung. A 309 basepair (bp) PCR product indicates deletion of exon 9, a 940 bp product the presence of exon 9. Lanes represent PCR products for individual mice. N/A marked samples were not annotated

Figure S2: genotyping lung samples, raw images



C

