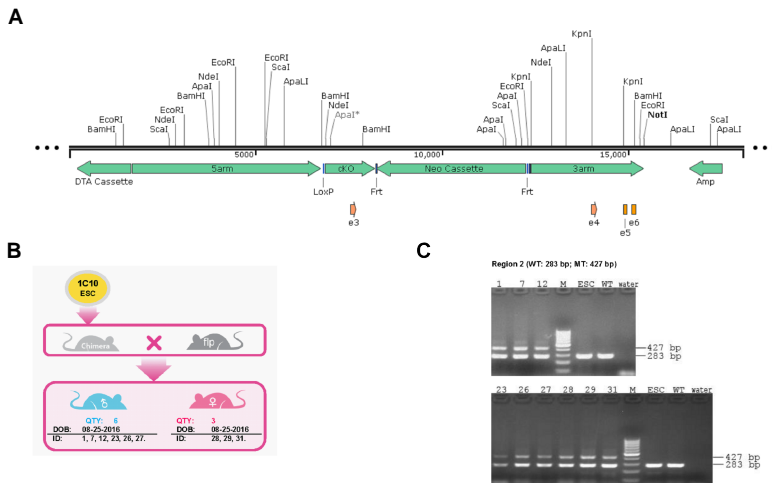


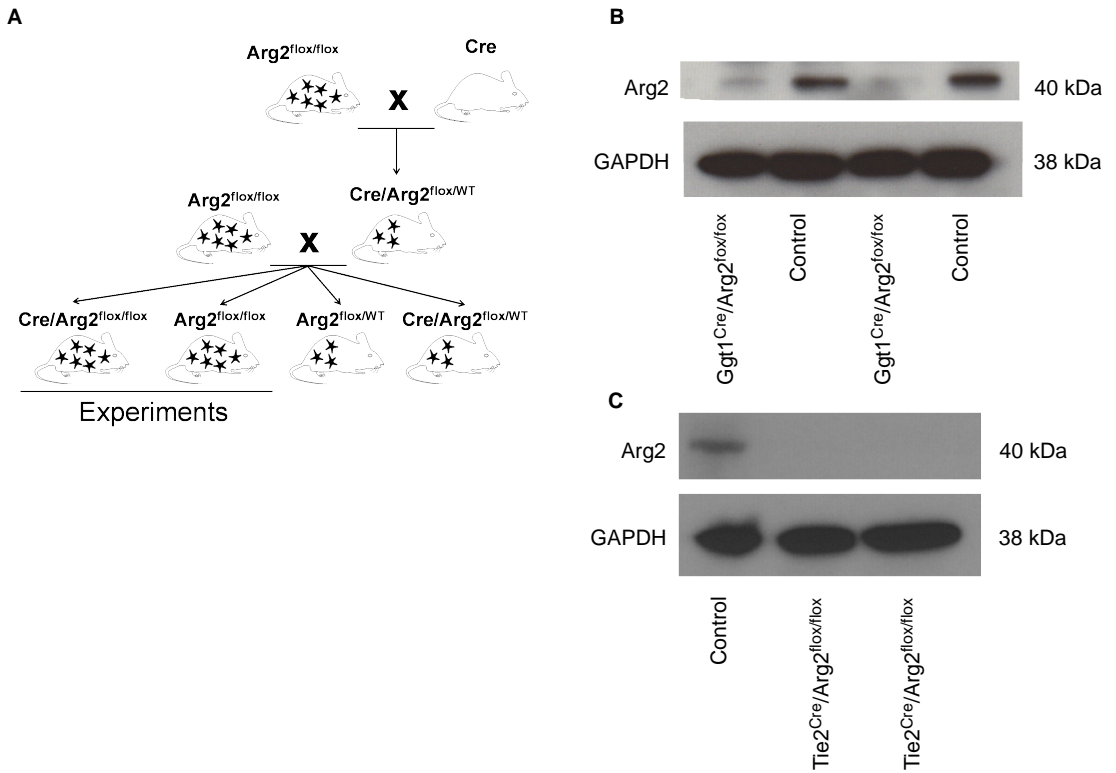
**Supplemental Table 1: Blood pressure measurement on transgenic mice.**

Mouse type	Systolic blood pressure (mmHg)
Arg2 <sup>flox/flox</sup>	104.99 ± 15.95
Ggt1 <sup>Cre</sup> /Arg2 <sup>flox/flox</sup>	89.54 ± 4.02
Arg2 <sup>flox/flox</sup>	116.83 ± 3.15
Tie2 <sup>Cre</sup> /Arg2 <sup>flox/flox</sup>	117.14 ± 4.02

Systolic blood pressure was measured on Arg2<sup>flox/flox</sup>, Ggt1<sup>Cre</sup>/Arg2<sup>flox/flox</sup>, and Tie2<sup>Cre</sup>/Arg2<sup>flox/flox</sup> mice. (n=4 each group). Values are means ± SEM, analyzed using unpaired t-test.



**Supplemental Fig. 1: Generation of *Arg2<sup>fllox/fllox</sup>* mice.** (A) Design for insertion of LoxP sites into *Arg2* gene. (B) Embryonic stem (ES) cells were implanted into a chimeric mouse and crossed with flp delete mouse to get *Arg2<sup>fllox/WT</sup>* offspring. (C) *Arg2<sup>fllox/WT</sup>* was confirmed by PCR analysis of 2 flox region deletion sites at 427 (mutant) and 283 (WT) bp.



**Supplemental Fig. 2: Generation and confirmation of  $Ggt1^{Cre}/Arg2^{flox/flox}$  and  $Tie2^{Cre}/Arg2^{flox/flox}$  mice.** (A)  $Arg2^{flox/flox}$  mice were cross-bred with  $Ggt1^{Cre}$  and  $Tie2^{Cre}$  mice for 2 generation to obtain  $Ggt1^{Cre}/Arg2^{flox/flox}$  and  $Tie2^{Cre}/Arg2^{flox/flox}$ , respectively. (B-C) Western blot analysis of Arg2 expression in isolated proximal tubules and endothelial cells from  $Ggt1^{Cre}/Arg2^{flox/flox}$  and  $Tie2^{Cre}/Arg2^{flox/flox}$ . Black stars represent the  $Arg2^{flox/flox}$  status.