

Supplemental Table S1: Primers used in the study.

Gene	Primers
AT1aR Amplification	Forward 5'-ATAAGAATGCGGCCGCTCTGAGACCAACTCAACCCA-3' Reverse 5'-ATAAGAATGCGGCCGCCATTGCCAGTGTGCTTTGAA-3'
KAP2-AT1aR (N111G) Genotyping	Forward 5'-AATGGTGCTAATGGCAATGG-3' Reverse 5'-AGAGGGTAGGGATCATGACAA-3'
KAP2-AT1aR (N111G) Transgene	Forward 5'-AAATGAGCACGCTTTCTTACCGGC-3' Reverse 5'-AGTGGACGTAGGTGTTGAAAGCCA-3'
Total AT1aR	Forward 5'-TGGCCAAAGTCACCTGCATCATCA-3' Reverse 5'-CGCGCACACTGTGATATTGGTGTT-3'
Mouse β -Actin	Forward 5'-CATCCTCTTCCTCCCTGGAGAAGA-3' Reverse 5'-ACAGGATTCCATACCCAAGAAGGAAGG-3'
NHE3	Forward 5'-TCCTCTCAGCCATTGAGGACATCT-3' Reverse 5'-ACTTTGCTGAGGAACTTCCGGTCA-3'
NKCC2A	Forward 5'-CCATGGTAACCTCTATCACTGGGT-3' Reverse 5'-TCAAGCCTATTGACCCACCGAACT-3'
NKCC2B	Forward 5'-TGACAGTGACAGCCATCACAGGTT-3' Reverse 5'-TCAAGCCTATTGACCCACCGAACT-3'
NKCC2F	Forward 5'-TCATGCTCTTCATTGCGCTCTCCT-3' Reverse 5'-ACCACTCCGTTTGTGCAAATAGCC-3'
NCC	Forward 5'-AAGTCGGGTGGCACCTATTTCCCTT-3' Reverse 5'-TTACGGTTTCTGCAAAGCCCACAG-3'
ENaC- α	Forward 5'-ACAATGGTTTGTCCCTGACACTGC-3' Reverse 5'-TCACGTTGAAGCCACCATCATCCA-3'
ENaC- β	Forward 5'-TCTGCCAACCCTGGGACTGAATTT-3' Reverse 5'-TGGCATAGATGCCCTCCTCTCTAA-3'
ENaC- γ	Forward 5'-GCCAATCAGTGTGCAAGCAATCCT-3' Reverse 5'-TTATTTGCTGGCTTTGGTCCCAGG-3'
Na-K-ATPase	Forward 5'-TGAAGCTGACACCACGGAGAATCA-3' Reverse 5'-TGCCCGCTTAAGAATAGGCAGGTT-3'
Na-PO ₄ -Cotransporter 2	Forward 5'-TACCTCTTTGTCTGCTCCCTGGAT-3' Reverse 5'-ACTGGAActCTGCACCAGAActGT-3'
Renin	Forward 5'-TGCTTGTGGGATTCACAGCCTCTA-3' Reverse 5'-TGTGTCACAGTGATTCCACCCACA-3'
Angiotensinogen	Forward 5'-ACGACCTCCTGACTTGGATAGAGA-3' Reverse 5'-TGTTGTTcAGATTTGCCTCCGCAC-3'
Endogenous AT1aR	Forward 5'-ATATGGAAGTGCCTCGCTGCTGAT-3' Reverse 5'-TATGTTAAGTCCGGGAGAGCAG-3'
AT1bR	Forward 5'-GAGCAGCCAAGAGGCGTGAAAGAA-3' Reverse 5'-GGATCATGTCTCTTTGTTGGAGGG-3'
AT2R	Forward 5'-TGCGGGAGCTGAGTAAGCTGATTT-3' Reverse 5'-GGTAATGTTTCTGCTGGTGGCA-3'
ACE	Forward 5'-GATCCTGCTAGACATGGAGACAAC-3' Reverse 5'-CGGGATGTGGCCATCATGTTTGT-3'
ACE2	Forward 5'-GTTGGCAAGCAGCTGAGGC-3' Reverse 5'-AGTTGTAGCCATCTGCTCC-3'
Screening KO mice	Forward 5'-CTCCTCACCTCAATGACCTTA-3' Reverse 5'-TCTGTTTCCTATTTATGGCCT-3'

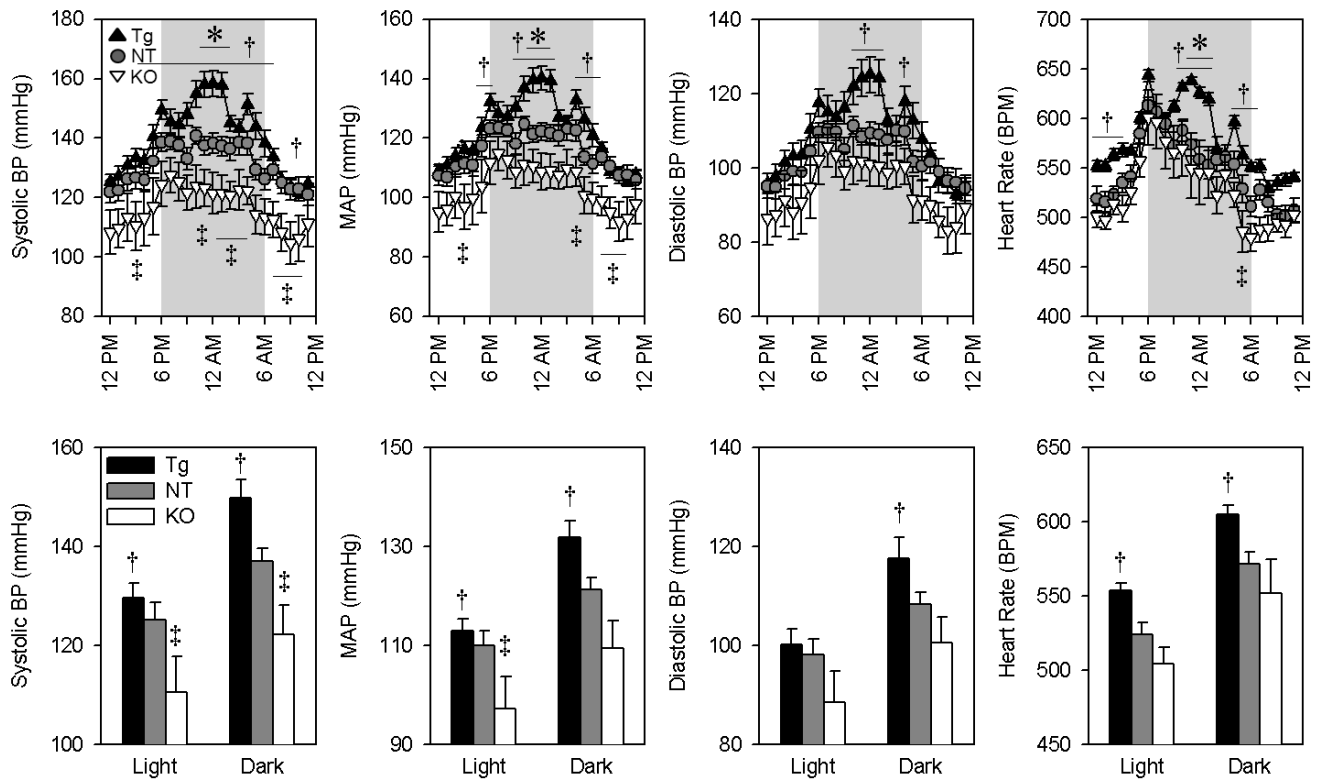


Figure S1. Arterial pressures of testosterone-treated male and female transgenic and PCT-depleted mice measured by radiotelemetry.

Top: 24 hour systolic, mean and diastolic blood pressure and heart rate. Bottom: The same data shown in the top panel is averaged across the light and dark phases. Symbols indicate statistical significance ($p < 0.05$) at the indicated time interval (top) or for the indicated period (bottom) for the following comparisons: *, transgenic vs NT; ‡, knockout vs cre- control mice; †, transgenic vs depleted. NT $n=14$ (gray circles), Tg $n=6$ (black triangles), KO $n=8$ (white upside down triangles).