

Supplemental Methods

Data Type	Measure	Metrics	Criterion
Body weight and serum biochemistry data (Table 1)	Various	P value (using one-way ANOVA)	P<0.05
Semiquantitative immunoblotting of kidney (Figures 1C, Supplemental Figure 2B)	Normalized band density	P value (using ANOVA with post hoc Dunn's Multiple comparison test)	P<0.05
Serum aldosterone concentration (Figure 1D) and plasma renin activity (Figure 1E)	Concentration	P value (using ANOVA with post hoc Dunn's Multiple comparison test)	P<0.05
RNA-Seq post-UUO (Table 2, 3, 4, 5, 6) (Figure 3C, 6C,7C, 7D) (Supplemental Table 1, 3)	log ₂ (UUO/Sham) values	P value (paired T-test)	P<0.05
Semiquantitative Immunocytochemistry of kidney tissues (Figure 5B)	Positively stained area	P value (using ANOVA with post hoc Dunn's Multiple comparison test)	P<0.05
Correlation between RNA-seq data in CTALs vs CCDs in log ₂ (UUO/Sham) (Figure 6B) Correlation between CCDs RNA-seq data at 3 hrs post-UUO and CCDs RNA-seq data at 3 hrs after LPS (Figure 9G)	Scatter plot	P value (using Pearson correlation)	P<0.05
Semiquantitative Immunofluorescence of kidney tissues (Figure 8D, Supplemental Figure 5B)	Positively stained area	P value (using Paired T-test)	P<0.05
Semiquantitative immunoblotting of mpkCCD (Supplemental Figure 6C)	Normalized band density	ANOVA with post hoc Dunn's multiple comparison test)	P<0.05