

DATA SUPPLEMENT

Title: Sex differences in blood pressure and the kidney cortex transcriptome in nonhuman primates

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Affiliations

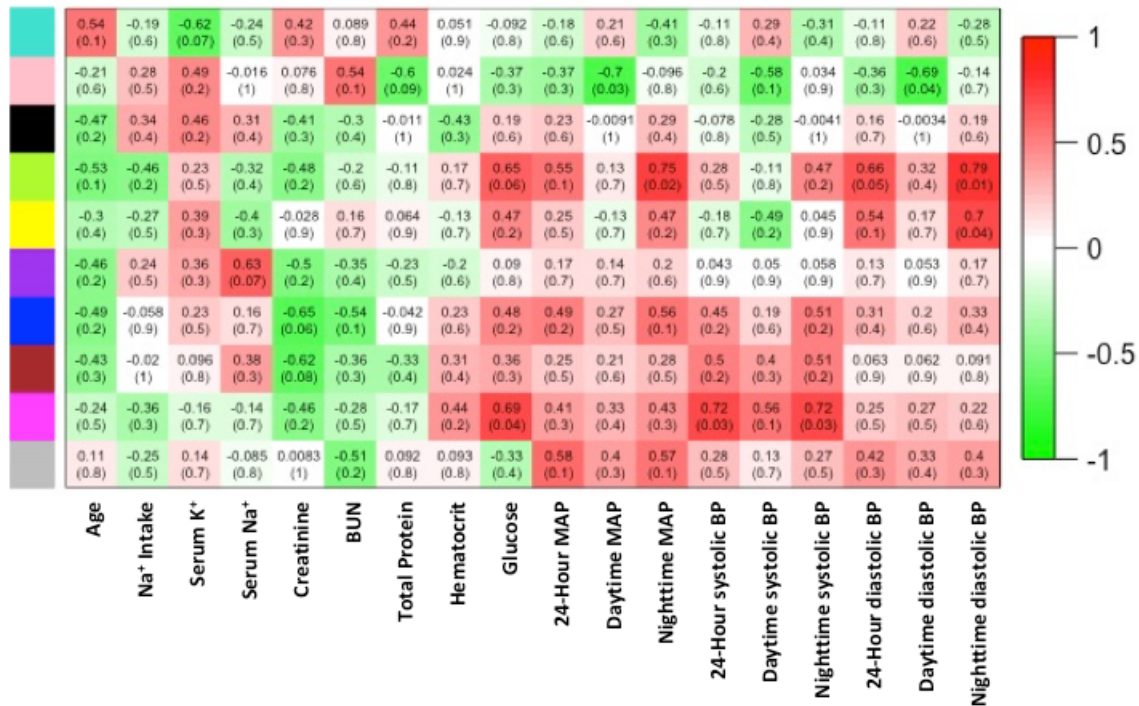
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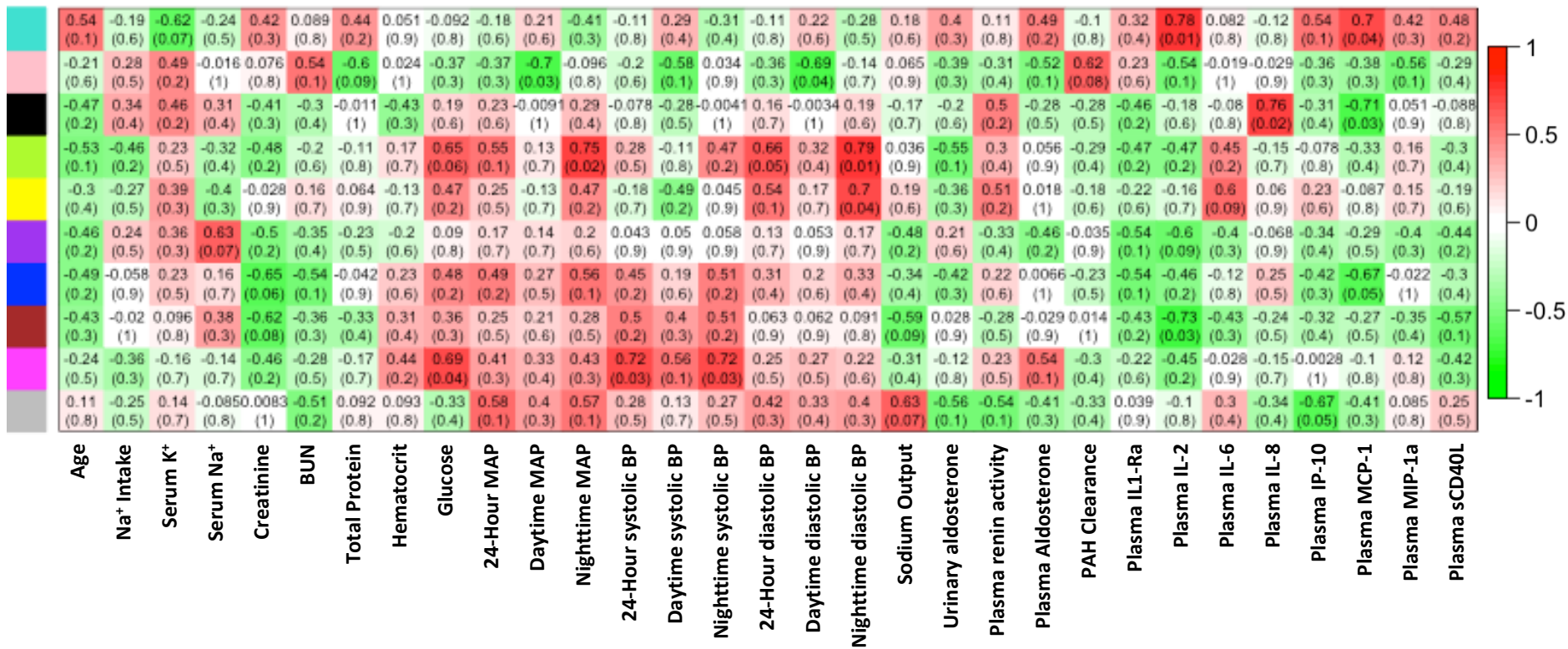
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Short title: Sex differences in NHP BP and kidney transcriptome



Supplementary Figure 1. WGCNA of traits correlated with transcript modules in female baboons on low-sodium chow diet (n=8). Each colored block along the left side represents a module of transcripts correlated with each other. Top values in each block represent correlation, bottom values in each block represent p values for each transcript module and trait. Color scale on the right side of the heatmap corresponds to correlation r values of each square. Abbreviated measures along the x-axis represent the following measures: age (years), Na⁺ intake (mmol Na⁺/kg animal weight), serum K⁺ (mmol/L), serum Na⁺ (mmol/L), creatinine in blood (mg/dL),

blood urea nitrogen (mg/dL), total protein in blood (g/dL), glucose in blood (mg/dL), hematocrit (%), 17 beta-estradiol (pg/mL; females only), 24-hour MAP (mmHg), daytime MAP (mmHg), nighttime MAP (mmHg), 24-hour systolic BP (mmHg), daytime systolic BP (mmHg), nighttime systolic BP (mmHg), 24-hour diastolic BP (mmHg), daytime diastolic BP (mmHg), nighttime diastolic BP (mmHg).



Supplementary Figure 2. WGCNA of traits correlated with transcript modules in male baboons on low-sodium chow diet (n=9). Each colored block along the left side represents a module of transcripts correlated with each other. Top-values in each block represent correlation, bottom values in each block represent p-values for each transcript module and trait. Color scale on the right side of the heatmap corresponds to correlation r values of each square. Abbreviated measures along the x-axis represent the following measures: age (years), Na^+ intake (mmol Na^+ /kg animal weight), serum K^+ (mmol/L), serum Na^+ (mmol/L), creatinine in blood (mg/dL), BUN (mg/dL), total protein in blood (g/dL), glucose in blood (mg/dL), hematocrit (%), 24-hour MAP (mmHg), daytime MAP (mmHg), nighttime MAP (mmHg), 24-hour systolic BP (mmHg), daytime systolic BP (mmHg), nighttime systolic BP (mmHg), 24-hour diastolic BP (mmHg), daytime diastolic BP (mmHg), nighttime diastolic BP (mmHg), Na^+ output, urinary aldosterone (pg/mL), plasma renin activity (ng/mL/hr), plasma aldosterone (pg/mL), PAH clearance (pg/mL), plasma IL1-Ra (pg/mL), plasma IL-2 (pg/mL), plasma IL-6 (pg/mL), plasma IL-8 (pg/mL), plasma IP-10 (pg/mL), plasma MCP-1 (pg/mL), plasma MIP-1a (pg/mL), plasma sCD40L(pg/mL).