

Table S1. Metabolites differentially expressed in tubular epithelial cells treated with 50 mM glucose compared to those without treatment.

Metabolites	Glucose 50 mM vs. Control	
	Fold difference	<i>p</i> -value
C16	2.46	0.024
PC ae C36:2	0.60	0.016
PC ae C34:1	0.28	0.024
Asparagine	0.23	0.016
Spermidine	-0.29	0.016
Putrescine	-0.59	0.016

ae, acyl-alkyl. The data were analyzed using the Mann-Whitney test.

Table S2. Metabolites differentially expressed in tubular epithelial cells treated with 2 μ M dapagliflozin following 50 mM glucose compared to those treated with 50 mM glucose.

Glucose 50 mM vs. Glucose 50 mM + Dapagliflozin 2 μ M		
Metabolites	Fold difference	<i>p</i> -value
Ornithine	2.81	0.024
Glycine	1.45	0.016
PC ae C30:0	1.43	0.016
Isoleucine	1.34	0.016
PC ae C34:2	1.29	0.016
PC aa C32:0	0.79	0.016
PC ae C36:2	0.76	0.016
PC aa C38:4	0.68	0.016
PC aa C34:2	0.65	0.016
PC ae C34:1	0.64	0.032
PC aa C36:2	0.62	0.016
Spermidine	0.58	0.016
Lysine	0.56	0.016
Histidine	0.56	0.016
Arginine	0.55	0.016
PC aa C36:3	0.54	0.016
Alanine	0.52	0.016
PC aa C34:1	0.52	0.016
Spermine	0.51	0.016
Serine	0.49	0.016
Valine	0.49	0.016
Phenylalanine	0.49	0.016
Proline	0.48	0.016
Putrescine	0.45	0.016
Threonine	0.37	0.016
Tyrosine	0.34	0.032
Asparagine	0.25	0.016

ae, acyl-alkyl; aa, acyl-acyl. The data were analyzed using the Mann-Whitney test.

Table S3. Metabolites differentially expressed in podocytes treated with 50 mM glucose compared to those without treatment.

Metabolites	Glucose 50 mM vs. Control	
	Fold difference	<i>p</i> -value
H1	2.77	0.016
C14:1-OH	2.39	0.032
Putrescine	1.07	0.016
Proline	0.36	0.016
Spermidine	0.33	0.016
PC aa C32:0	-0.50	0.032
PC aa C34:3	-1.01	0.032

OH, hydroxyl; aa, acyl-acyl. The data were analyzed using the Mann-Whitney test.

Table S4. Metabolites differentially expressed in podocytes treated with 2 μ M dapagliflozin following 50 mM glucose compared to those treated with 50 mM glucose.

Glucose 50 mM vs. Glucose 50 mM + Dapagliflozin 2 μ M		
Metabolites	Fold difference	<i>p</i> -value
PC aa C32:0	-0.19	0.024

aa, acyl-acyl. The data were analyzed using the Mann-Whitney test.

Table S5. Metabolites differentially expressed in glomerular endothelial cells treated with 50 mM glucose compared to those without treatment.

Metabolites	Glucose 50 mM vs. Control	
	Fold difference	<i>p</i> -value
Proline	0.92	0.016
Glycine	0.65	0.016
Alanine	0.54	0.024
Glutamate	0.54	0.032
Isoleucine	0.50	0.016
Putrescine	0.46	0.016
Phenylalanine	0.36	0.024
C12:1	-0.02	0.048
PC aa C32:1	-0.31	0.032
PC ae C34:1	-0.64	0.016
SM C24:1	-0.65	0.016
PC aa C32:0	-0.79	0.016
Arginine	-0.83	0.016
PC ae C38:2	-1.36	0.016

PC, phosphatidylcholine; SM, sphingomyelin. The data were analyzed using the Mann-Whitney test.

Table S6. Metabolites differentially expressed in glomerular endothelial cells treated with 2 μ M dapagliflozin following 50 mM glucose compared to those treated with 50 mM glucose.

Metabolites	Glucose 50 mM vs. Glucose 50 mM + Dapagliflozin 2 μ M	
	Fold difference	<i>p</i> -value
H1	0.71	0.032
PC aa C32:1	0.47	0.016
Threonine	-0.43	0.016
Arginine	-0.92	0.016

aa, acyl-acyl. The data were analyzed using the Mann-Whitney test.

Figure S2. Heatmap of metabolites detected in tubular epithelial cells (a), podocytes (b), and glomerular endothelial cells (c), respectively, treated with 2 μ M dapagliflozin following 50 mM glucose compared with those without treatment and compared to those treated with 50 mM glucose.

