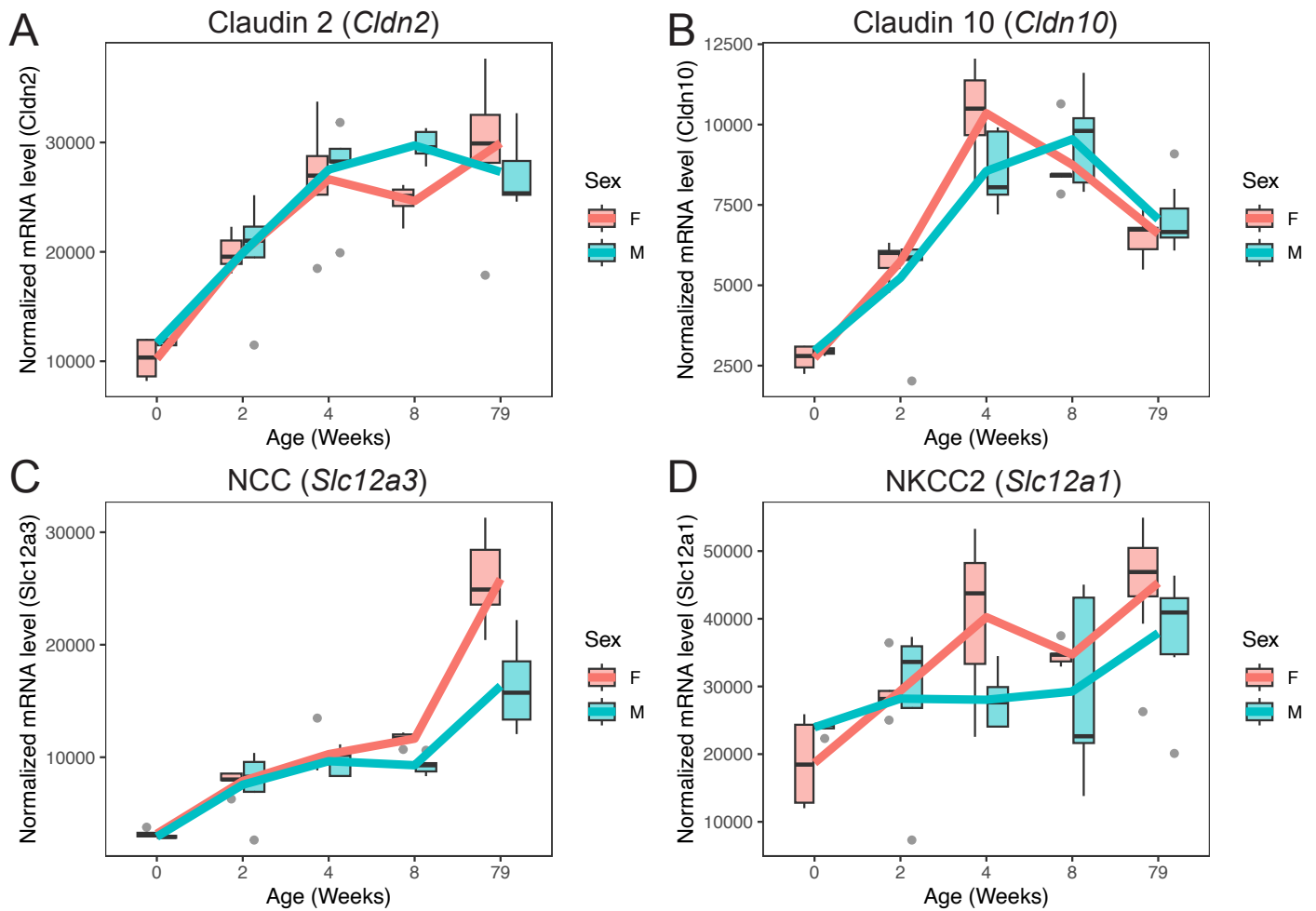


Supplemental Table 1. Chromosomal locations of transporters, as annotated in Ensembl genomes. (Related to Table 1)

Transporter	Human (Homo sapiens)				Mouse (Mus musculus)				Rat (Rattus norvegicus)			
	Gene_Symbol	Chr	Karyotype Band	Strand	Gene_Symbol	Chr	Karyotype Band	Strand	Gene_Symbol	Chr	Karyotype Band	Strand
Aquaporin 1	AQP1	7	p14.3	1	Aqp1	6	q	1	Aqp1	4	chr	1
Aquaporin 2	AQP2	12	q13.12	1	Aqp2	15	q	1	Aqp2	7	chr	1
BK $\alpha$	KCNMA1	10	q22.3	-1	Kcnma1	14	q	-1	Kcnma1	15	chr	1
Claudin 10	CLDN10	13	q32.1	1	Cldn10	14	q	1	Cldn10	15	chr	1
Claudin 2	CLDN2	X	q22.3	1	Cldn2	X	q	1	Cldn2	X	chr	1
Claudin 7	CLDN7	17	p13.1	-1	Cldn7	11	q	1	Cldn7	10	chr	1
Claudin 8	CLDN8	21	q22.11	-1	Cldn8	16	q	-1	Cldn8	11	chr	-1
KCC3	SLC12A6	15	q14	-1	Slc12a6	2	q	1	Slc12a6	3	chr	1
KCC4	SLC12A7	5	p15.33	-1	Slc12a7	13	q	1	Slc12a7	1	chr	-1
NaPi	SLC34A1	5	q35.3	1	Slc34a1	13	q	1	Slc34a1	17	chr	-1
NBCe1	SLC4A4	4	q13.3	1	Slc4a4	5	q	1	Slc4a4	14	chr	-1
NCC	SLC12A3	16	q13	1	Slc12a3	8	q	1	Slc12a3	19	chr	-1
NHE3	SLC9A3	5	p15.33	-1	Slc9a3	13	q	1	Slc9a3	1	chr	-1
NKA alpha	ATP1A1	1	p13.1	1	Atp1a1	3	q	-1	Atp1a1	2	chr	-1
NKA beta	ATP1B1	1	q24.2	1	Atp1b1	1	q	-1	Atp1b1	13	chr	-1
NKCC1	SLC12A2	5	q23.3	1	Slc12a2	18	q	1	Slc12a2	18	chr	1
NKCC2	SLC12A1	15	q21.1	1	Slc12a1	2	q	1	Slc12a1	3	chr	1
OAT1	SLC22A6	11	q12.3	-1	Slc22a6	19	q	1	Slc22a6	1	chr	1
OAT2	SLC22A7	6	p21.1	1	Slc22a7	17	q	-1	Slc22a7	9	chr	1
OAT3	SLC22A8	11	q12.3	-1	Slc22a8	19	q	1	Slc22a8	1	chr	1
Rhbg	RHBG	1	q22	1	Rhbg	3	q	-1	Rhbg	2	chr	-1
Rhcg	RHCG	15	q26.1	-1	Rhcg	7	q	-1	Rhcg	1	chr	-1
ROMK	KCNJ1	11	q24.3	-1	Kcnj1	9	q	1	Kcnj1	8	chr	1
SGLT1	SLC5A1	22	q12.3	1	Slc5a1	5	q	1	Slc5a1	14	chr	-1
SGLT2	SLC5A2	16	p11.2	1	Slc5a2	7	q	1	Slc5a2	1	chr	1
$\alpha$ ENaC	SCNN1A	12	p13.31	-1	Scnn1a	6	q	1	Scnn1a	4	chr	1
$\beta$ ENaC	SCNN1B	16	p12.2	1	Scnn1b	7	q	1	Scnn1b	1	chr	1
$\gamma$ ENaC	SCNN1G	16	p12.2	1	Scnn1g	7	q	1	Scnn1g	1	chr	1



**Supplemental Figure 1. Gene expression profile of selected transporters in male and female kidneys at multiple postnatal timepoints of C57BL/6 mice.** (A) Claudin 2, encoded by *Cldn2* on the X chromosome; (B) Claudin 10, encoded by *Cldn10* on the autosome; (C) NCC, encoded by *Slc12a3* on the autosome; (D) NKCC2, encoded by *Slc12a1* on the autosome. Data from whole-kidney bulk RNA-seq experiments are shown (Xiong, Liu, et al., 2023).