Supplemental Table 1. The patterns of oxalate fluxes and electrical parameters across isolated, short-circuited segments of cecum from non-colonized WT wild type C57BL/6, single knockout (KO), and double knockout (dKO) all fed a diet supplemented with 1.5% oxalate.

Group	J_{ms}	J_{sm}	ΔJ_{net}	I_{sc}	G_T
WT	49.3 ± 12.5 n=7	41.5 ± 12.5 n=7	7.8 ± 1.2 n=7	2.2 ± 0.3 n=7	18.7 ± 2.5 n=7
AGT KO	29.1 ± 5.7 n=10	19.6 ± 2.6 n=10	9.5 ± 2.8 n=10	1.0 ± 0.3 n=10	17.5 ± 1.0 n=10
PAT1/AGT dKO	11.0 ± 2.6 n=10	18.1 ± 2.2 n=10	-7.1 ± 1.1 n=10	1.4 ± 0.2 n=10	13.7 ± 0.7 n=10
DRA/AGT dKO	27.4 ± 7.0 n=7	23.6 ± 6.2 n=7	3.7 ± 4.3 n=7	5.5 ± 0.4 n=7	19.0 ± 1.1 n=7

Oxalate fluxes are given in pmol/cm^2/h, transepithelial conductance (G_T) is given in mS/cm^{2}and short-circuit current (I_{sc}) is given in µEq/cm^2. (n) = the number of tissue pairs in each series.

Supplemental Table 2. The patterns of oxalate fluxes and electrical parameters across isolated, short-circuited segments of distal colon from non-colonized WT wild type C57BL/6, single knockout (KO), and double knockout (dKO) all fed a diet supplemented with 1.5% oxalate.

Group	J_{ms}	J_{sm}	ΔJ_{net}	I_{sc}	G_T
WT	30.8 ± 4.6 n=7	34.9 ± 3.9 n=7	-4.2 ± 1.6 n=7	1.5 ± 0.2 n=7	15.5 ± 1.7 n=7
AGT KO	20.8 ± 1.9 n=10	27.2 ± 2.0 n=10	-6.5 ± 0.6 n=10	2.2 ± 0.3 n=10	15.9 ± 0.6 n=10
PAT1/AGT dKO	12.4 ± 1.4 n=8	26.7 ± 2.4 n=8	-13.1 ± 1.6 n=8	1.7 ± 0.2 n=8	11.6 ± 0.5 n=8

DRA/AGT dKO	26.8 ± 3.2 n=7	43.6 ± 3.6 n=7	-16.9 ± 1.4 n=7	3.0± 0.4 n=7	17.7 ± 1.4 n=7

Oxalate fluxes are given in pmol/cm^2/h, transepithelial conductance (G_T) is given in mS/$cm^2$and short-circuit current (I_{sc}) is given in µEq/cm^2. (n) = the number of tissue pairs in each series.

Supplemental Table 3. Oxalate excretion, µmoles/24 h in urine of the four mouse genotypes included in this study before and after artificial colonization with OXWR.

Group	PAT 1 KO	DRA KO	PAT1/AGT dKO	DRA/AGT dKO
Baseline	3.6 ± 0.6 n=9	0.8 ± 0.2 n=7	4.8 ± 0.2 n=7	1.44 ± 0.2 n=11
Post gavage	0.5 ± 0.1* N=9	0.5 ± 0.03* n=16	0.4 ± 0.1* n=10	1.64 ± 0.2 n=11

Values are the means ± SE for the mean of duplicate determinations on each 24 h urine collection. Baseline values reflect oxalate excretion when mice are fed the oxalate-supplemented diet (1.5% Ox – 0.5% Ca^{2+}). Post gavage urine collections were conducted between 12-15 days after the gavage procedure during which time all mice were still being fed the oxalate-supplemented diet. These values are also included in the text of the results as appropriate for correlation purposes with the changes observed in transmural oxalate fluxes. *Significantly different from baseline ($P < 0.05$). Note that the DRA/AGT dKO group were not colonized at the time the post-gavage 24 h urine was collected whereas all other animals were confirmed colonized.