

**Supporting information:**

Supplementary Table 1.

	<b>Wildtype</b>			<b><i>Pkd1</i><sup>-/-</sup></b>		
<b>Average mass</b>	untreated	vehicle	rapamycin	untreated	vehicle	rapamycin
1K (mg)	5.8 ± 0.98	5.0 ± 0.4	4.0 ± 0.4	12.6 ± 1.4	10.3 ± 1.6	4.8 ± 0.6
1K/TBW (%)	0.47 ± 0.02	0.44 ± 0.04	0.44 ± 0.04	0.86 ± 0.06	0.79 ± 0.1	0.33 ± 0.04
2K (mg)	9.72 ± 0.9	10.03 ± 0.96	7.92 ± 1.02	23.83 ± 3.22	20.64 ± 4.24	9.63 ± 1.68
2K/TBW (%)	0.93 ± 0.06	0.87 ± 0.08	0.87 ± 0.08	1.72 ± 0.18	1.58 ± 0.24	0.65 ± 0.12
TBW (g)	1.04 ± 0.08	1.15 ± 0.04	0.90 ± 0.04	1.37 ± 0.08	1.30 ± 0.14	1.48 ± 0.06

Kidney (K) and total body weights (TBW) of rapamycin treated and untreated wildtype and *Pkd1*<sup>-/-</sup> E18.5 foetal mice. Values are the mean or percentage (%) ± the margin of error. 14-30 kidneys are represented in each treatment group. 1K refers to the average mass of all kidneys in that treatment group. 2K values represent the total kidney mass per embryo, with the mass of each individual kidney being added together. The 1K/TBW values are represented graphically in Figure 1a.