

Supplementary data

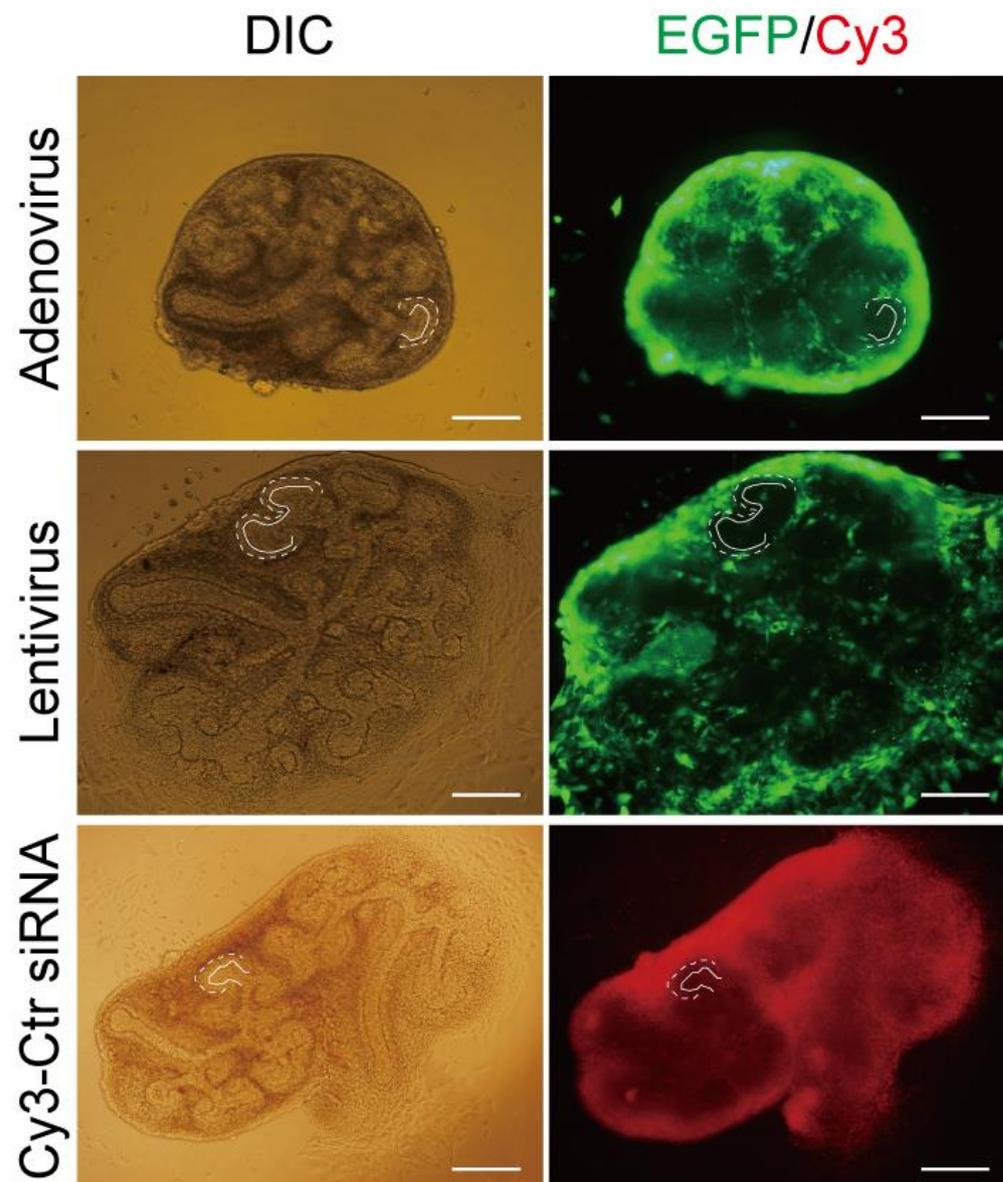


Figure S1. siRNA transfection, lentivirus and adenovirus transduction in cultured kidney
After incubation of the E12.5 kidney rudiments with Cy3-siRNA-lipofectamine mixture, lentivirus and adenovirus at 4°C for 6 hours, the kidneys were cultured at 37°C for 24 hours. Based on the morphology, UB was outlined with a white line and CM was outlined with a white dash line. Bar=200µm

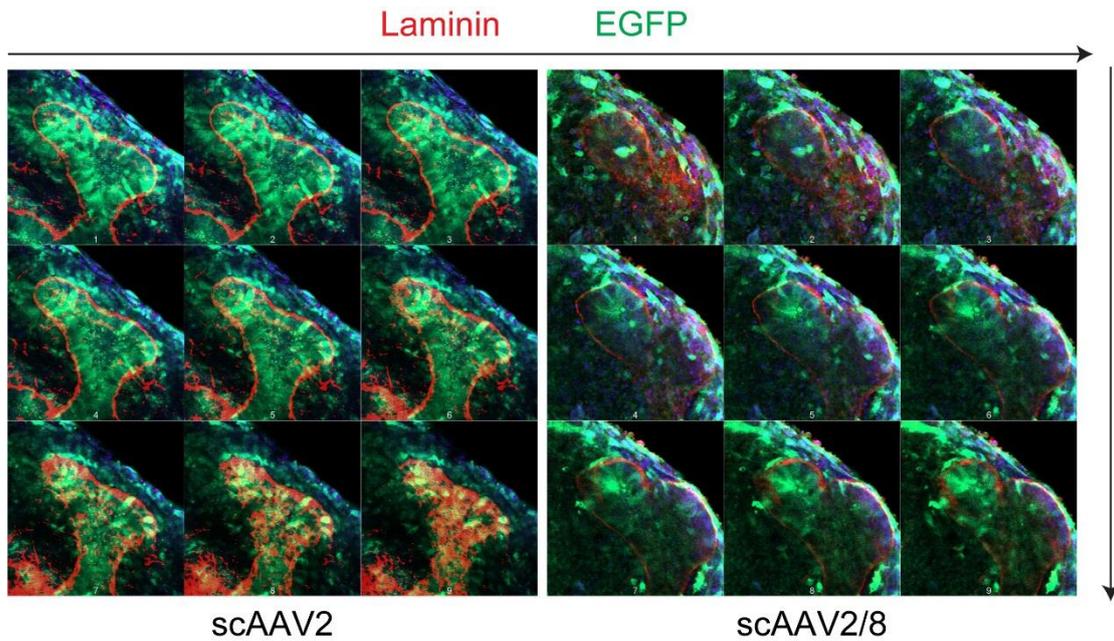


Fig.S2. Confocal optical serial sections of scAAV2 and 8 tropism

Optical serially section of scAAV transduced kidney using confocal microscopy. The basement membrane was labelled with anti-laminin antibody (Red). Interlayer space is 2 μ m.

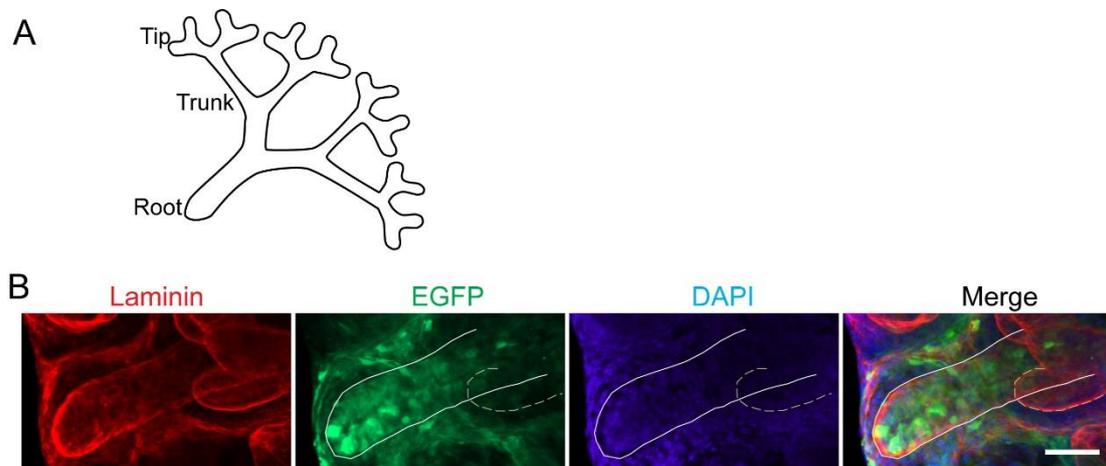


Fig.S3. The expression of scAAV2 in the root of ureteric bud.

A. Diagram of the ureteric bud tree. B. The E12.5 kidney was cultured 3 days after scAAVs treatment, Anti-laminin immunostaining shows the root of ureteric bud (outlined with a white line) and newly formed nephrons (outlined with a dashed line). Scale bar is 50 μ m