

Supplemental Data:

Movie S1: 3D view of a developing nephron at stage IV: *wt1b::GFP* (green) is expressed throughout the glomerulus and the tubular epithelial cells although *pod::mCherry* expression is evident in the glomerular podocytes.

Movie S2: 3D view of a nephron near its complete maturation: *wt1b::GFP* expression is disappearing in the tubular epithelial cells, but retained at the urinary pole of the glomerulus.