

Conserved and Divergent Features of Human and Mouse Kidney Organogenesis

Lindström, N.O.^{1*}, McMahon, J.A.^{1*}, Guo, J.¹, Tran, T.¹, Guo, Q.¹, Rutledge, E.¹, Parvez, R.K.¹, Saribekyan, G.¹, Schuler, R.E.^{2,3}, Liao, C.¹, Kim, A.D.¹, Abdelhalim, A.¹, Ruffins, S.W.¹, Thornton, M.E.⁴, Basking, L.⁵, Grubbs, B.⁴, Kesselman, C.³, and McMahon, A.P.¹.

1. Department of Stem Cell Biology and Regenerative Medicine, Broad-CIRM Center, Keck School of Medicine, University of Southern California, Los Angeles, CA90089, USA.

2. Information Sciences Institute, Viterbi School of Engineering, University of Southern California, Los Angeles, California.

3. Epstein Department of Industrial and Systems Engineering and Information Sciences Institute, Viterbi School of Engineering and Department of Preventive Medicine, Keck School of Medicine, University of Southern California, Los Angeles, California.

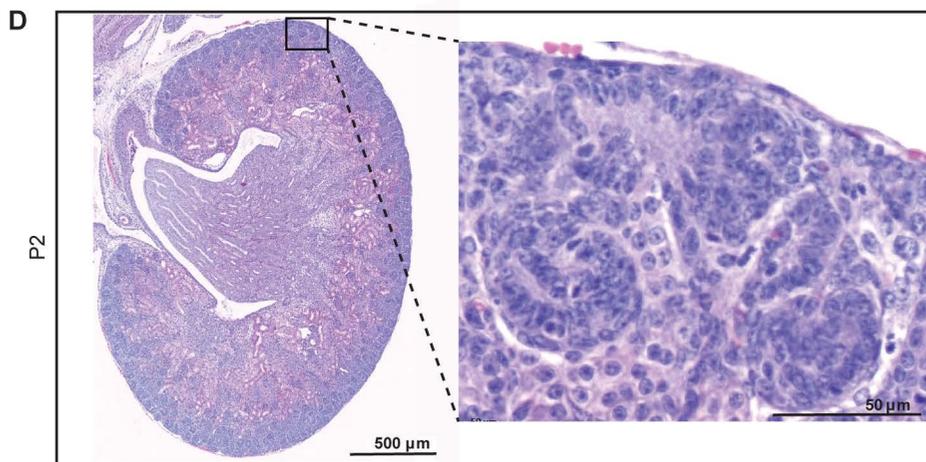
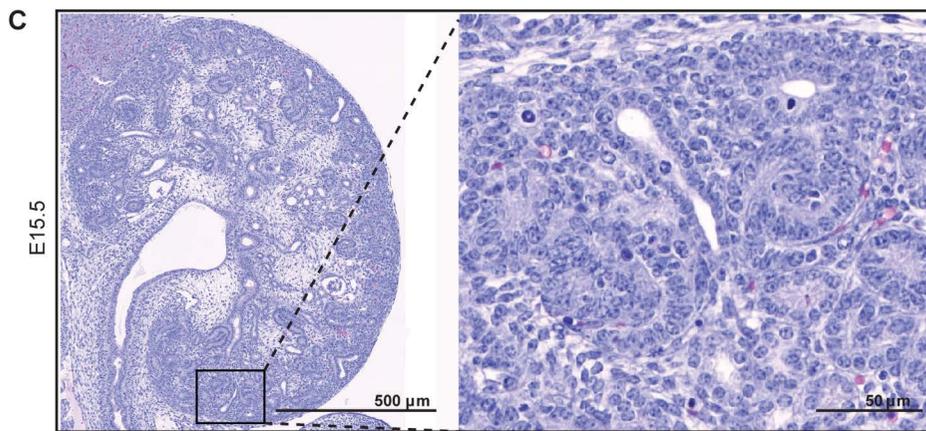
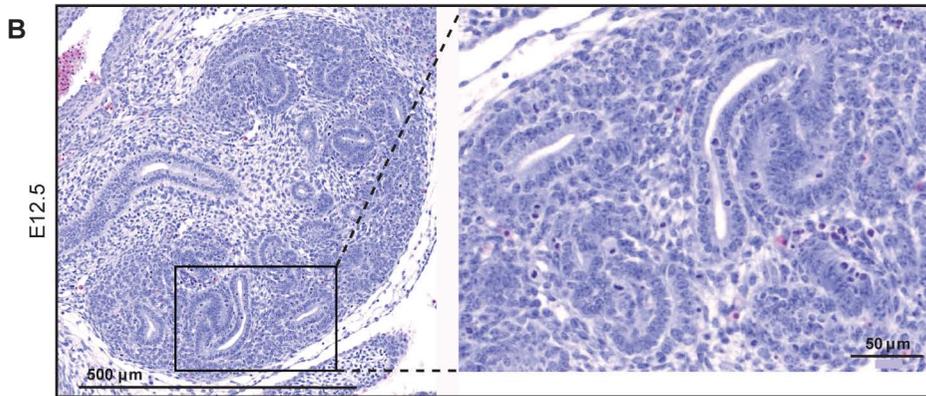
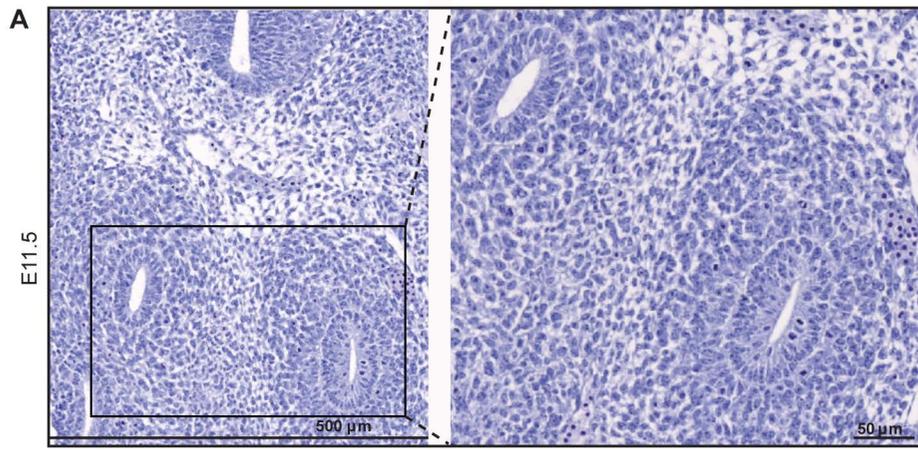
4. Maternal Fetal Medicine Division, University of Southern California, Los Angeles, California.

5. Department of Urology and Pediatrics, University of California San Francisco, San Francisco, California.

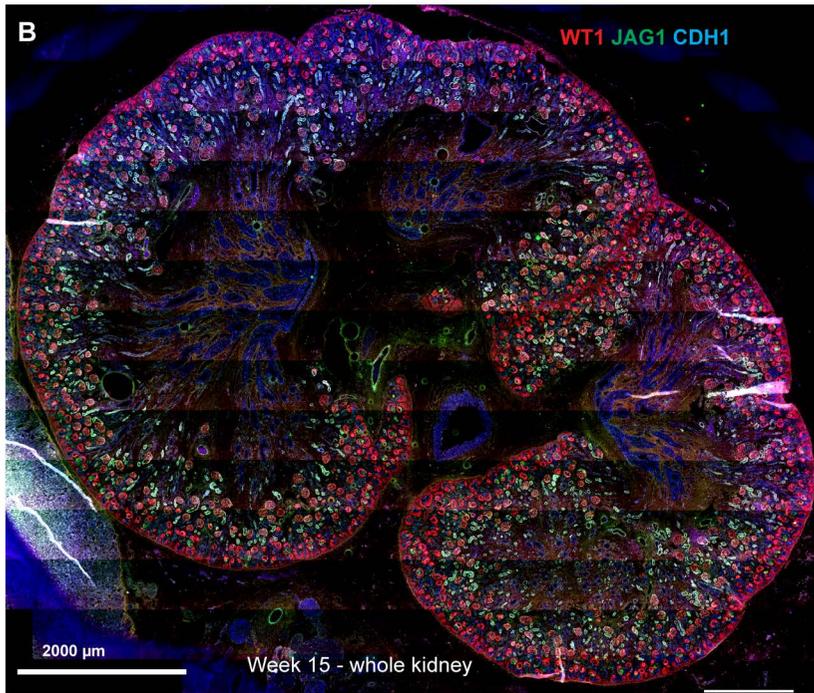
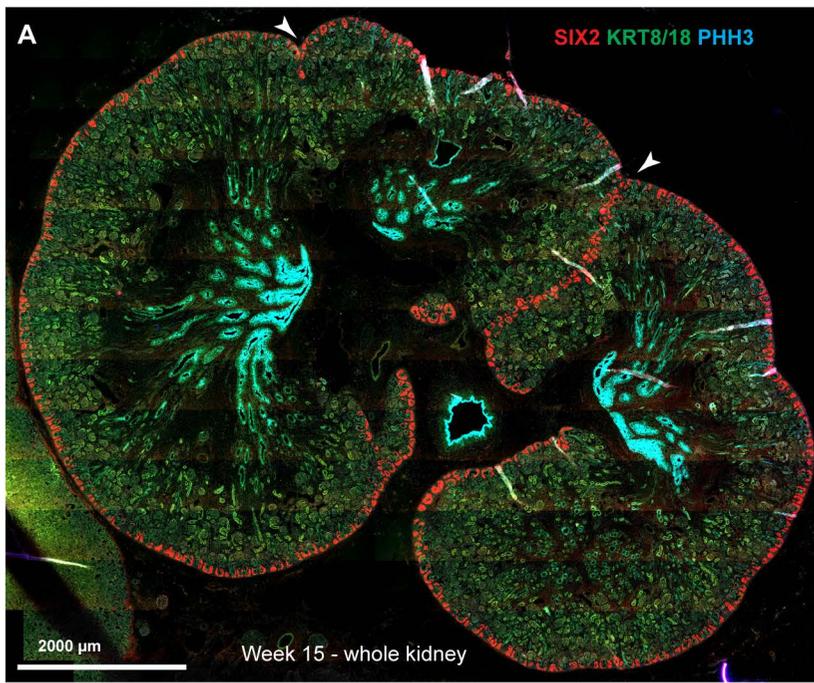
* These authors contributed equally.

Corresponding author: Andrew P. McMahon, telephone: 323-442-7847, email: amcmahon@med.usc.edu

Supplementary figure 1



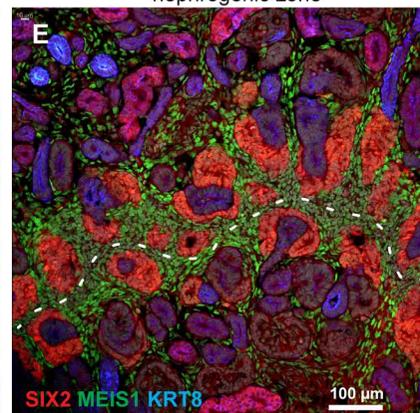
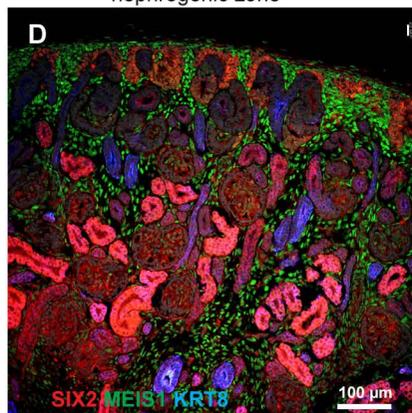
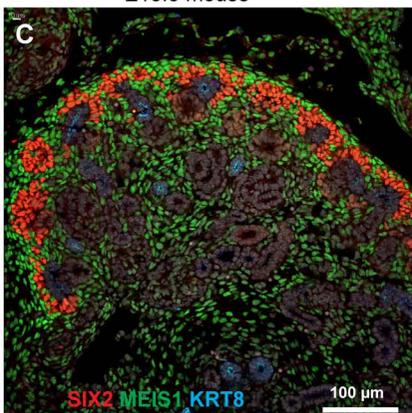
Supplementary figure 2



E15.5 mouse

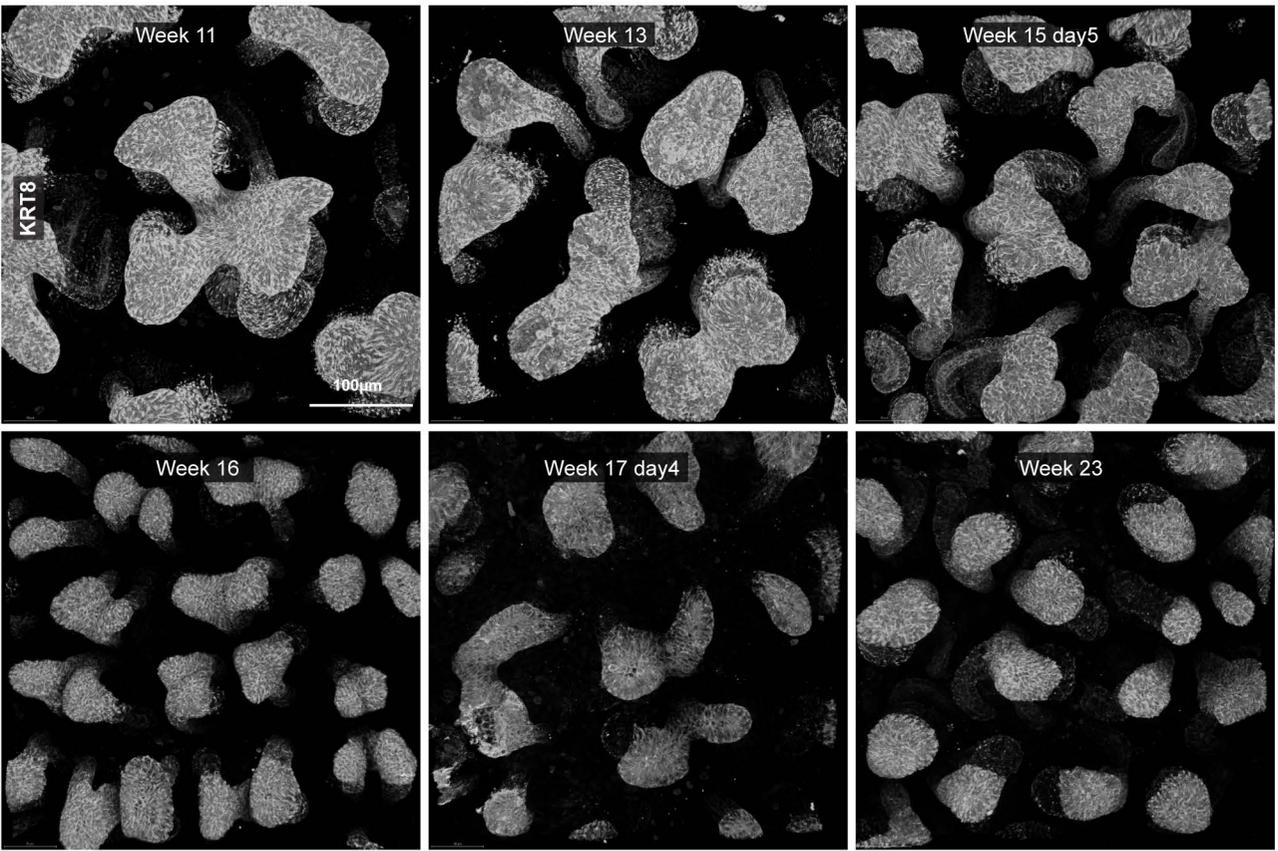
Week 15 - peripheral nephrogenic zone

Week 15 - interlobular nephrogenic zone

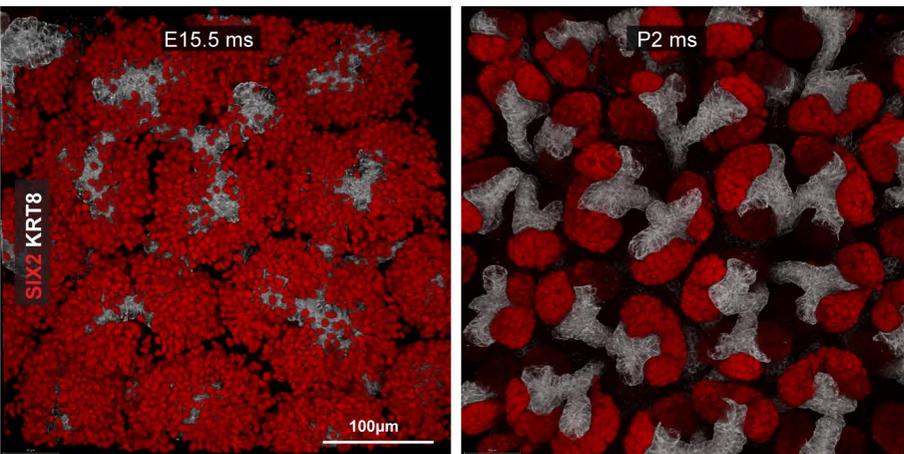


Supplementary figure 3

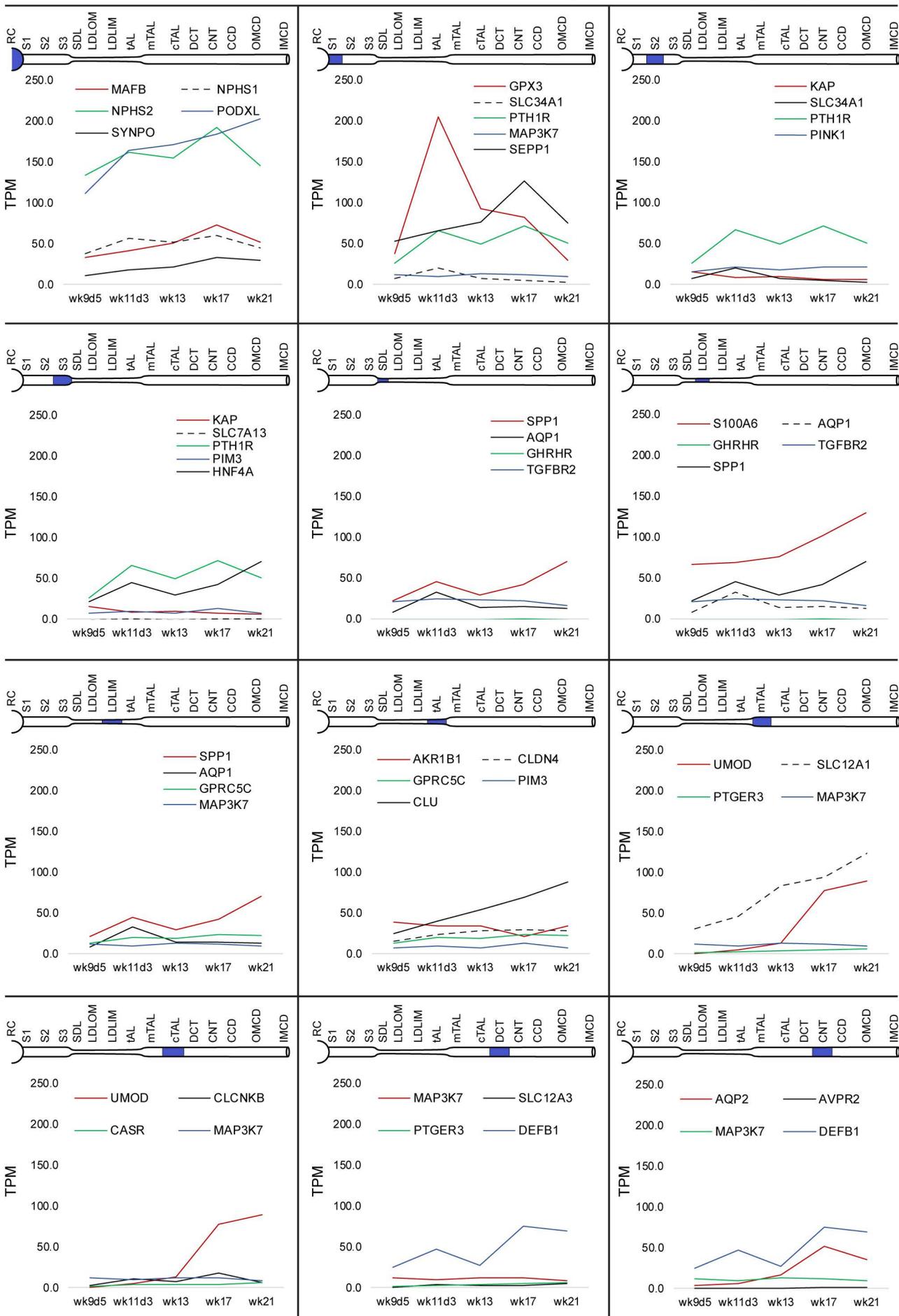
A



B



Supplementary figure 4



Supplementary figure 5

