

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Differentially expressed genes between EC 1 (glomerular ECs) and EC 2 (extra glomerular ECs).

File Name: Supplementary Data 2

Description: Over-representative pathways of genes up-regulated in glomerular endothelial cells (EC 1) compared to extra glomerular endothelial cells (EC 2).

File Name: Supplementary Data 3

Description: Over-representative pathways of genes up-regulated in extra glomerular endothelial cells (EC 2) compared to glomerular endothelial cells (EC 1).

File Name: Supplementary Data 4

Description: Genes differentially expressed between mouse MLC subclusters.

File Name: Supplementary Data 5

Description: Genes differentially expressed among mouse MLC-C2, MLC-C3 and MLC-C4.

File Name: Supplementary Data 6

Description: Genes differentially expressed between mouse EMC (MLC-C1) and MC (MLC-C4).

File Name: Supplementary Data 7

Description: Over-representative KEGG pathways of genes up-regulated in mouse mesangial cells compared to other MLC subclusters.

File Name: Supplementary Data 8

Description: Genes conservatively expressed (median $\log_2\text{-RPKM} \geq 4$) in human and mouse glomerular mesangial cells.

File Name: Supplementary Data 9

Description: Genes conservatively expressed (median $\log_2\text{-RPKM} \geq 4$) in human and mouse podocytes.

File Name: Supplementary Data 10

Description: Genes conservatively expressed (median $\log_2\text{-RPKM} \geq 4$) in human and mouse GECs.

File Name: Supplementary Data 11

Description: Genes differentially expressed between distal convoluted tubule cell subclusters and collecting duct cells.

File Name: Supplementary Data 12

Description: Over-representative pathways of genes up-regulated in each DCT subcluster and collecting duct cell group.