

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Normalized counts of the bulk RNAseq data.

File Name: Supplementary Data 2

Description: Differential gene expression among the kidney and heart, liver and lung vasculature for adult and embryonic stages.

File Name: Supplementary Data 3

Description: Raw counts of the single-cell RNA seq data.

File Name: Supplementary Data 4

Description: Normalized counts of the single-cell RNA seq data.

File Name: Supplementary Data 5

Description: Differential expression of genes enriched in different vascular subtypes in the kidney.

File Name: Supplementary Data 6

Description: Profiling of transcription factor, angiocrine factor, and solute transporter gene expression in different kidney vascular subtypes.

File Name: Supplementary Data 7

Description: Differential expression of genes expressed between control and Tbx3 Δ EC kidney blood vessels.

File Name: Supplementary Data 8

Description: Differential expression of genes after over expression of control or TBX3, GATA5, PRDM1, PBX1, constructs or all the factors combined in human umbilical vein endothelial cells.

File Name: Supplementary Software 1

Description: SeuratV2 code used for processing and normalizing single cell counts matrices.