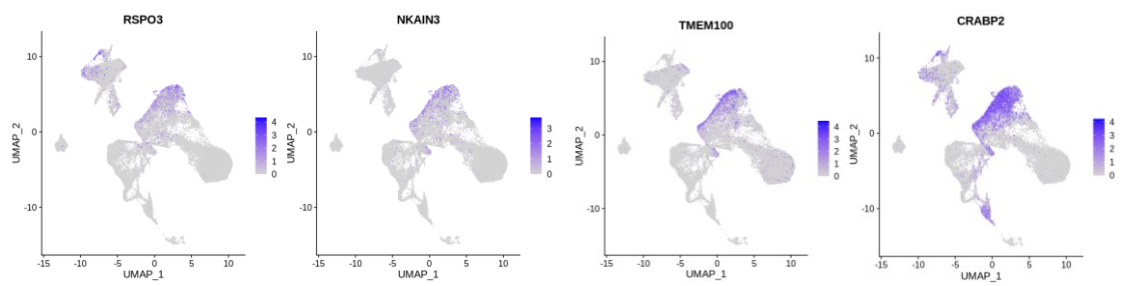
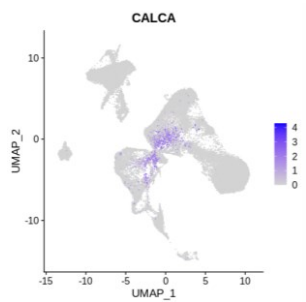


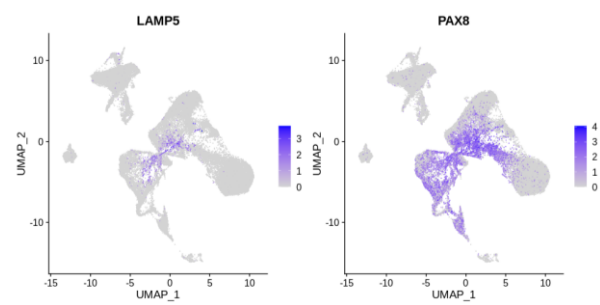
Nephron progenitors



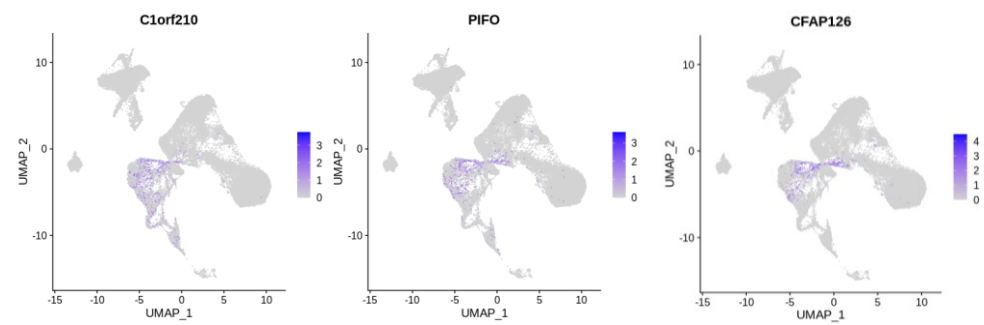
Pretubular aggregate



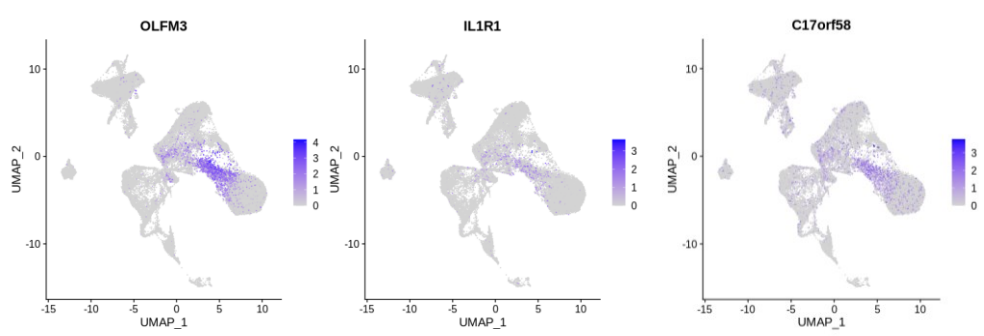
RVCSB



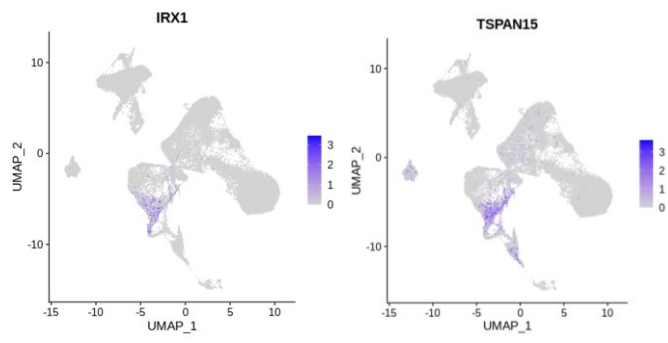
SSBpr



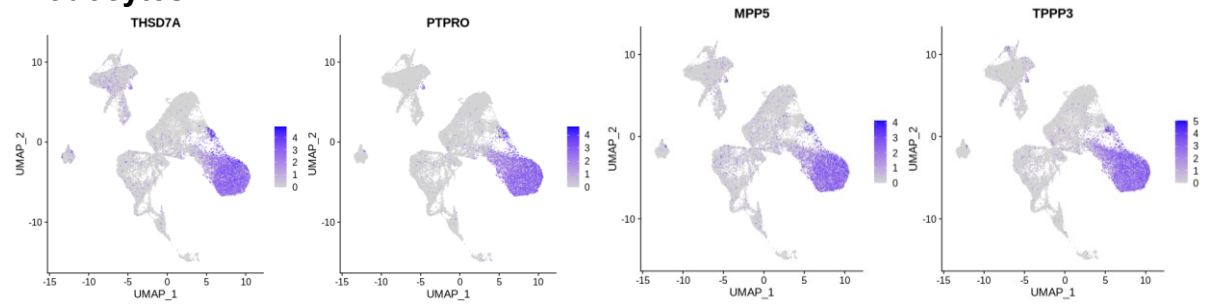
SSBpod



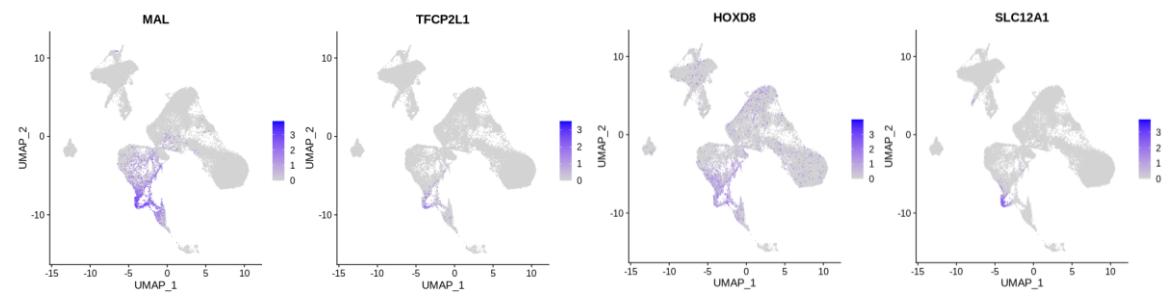
SSBm&d



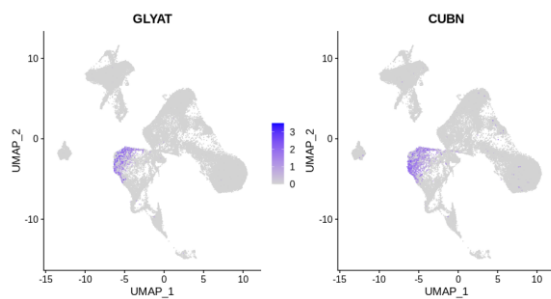
Podocytes



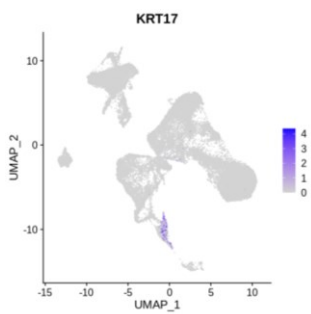
DTLH



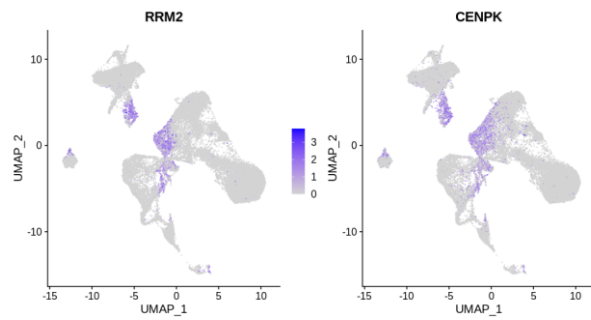
ErPrT



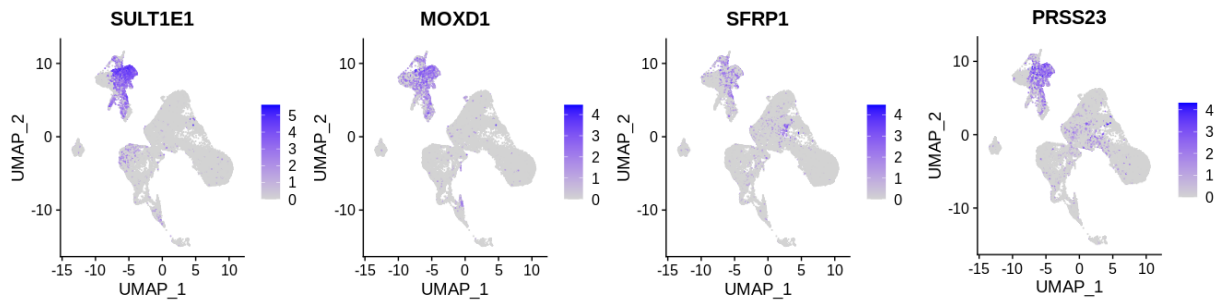
CnT



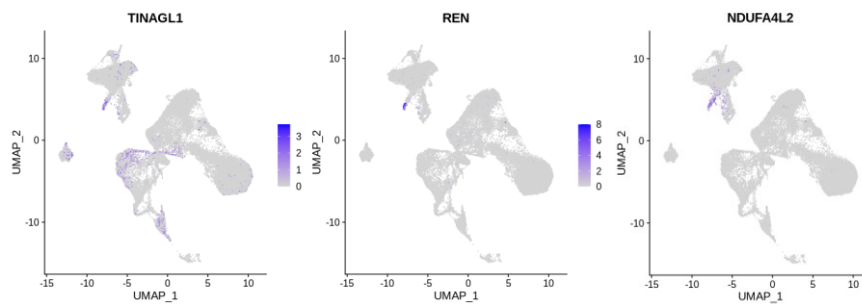
IPC



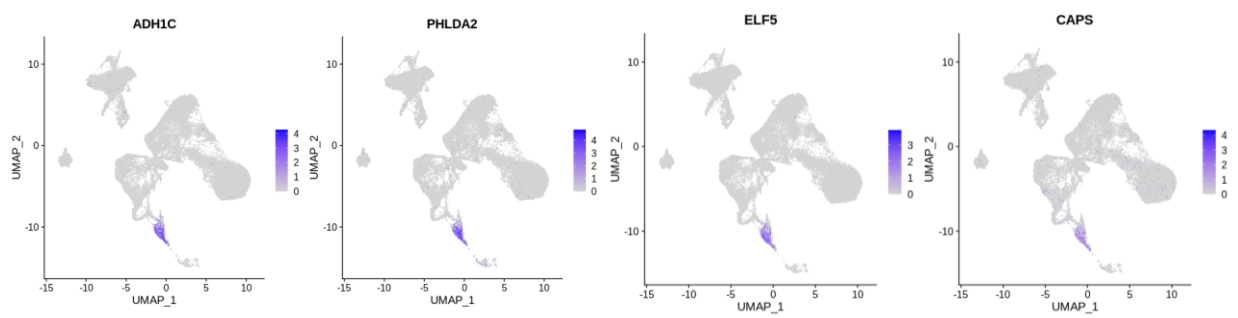
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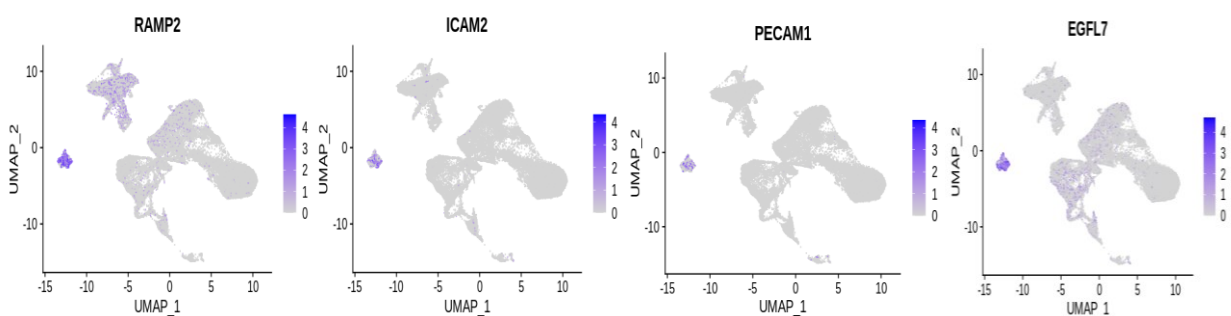
Mes



UBCD



Endothelial cells



Leukocytes

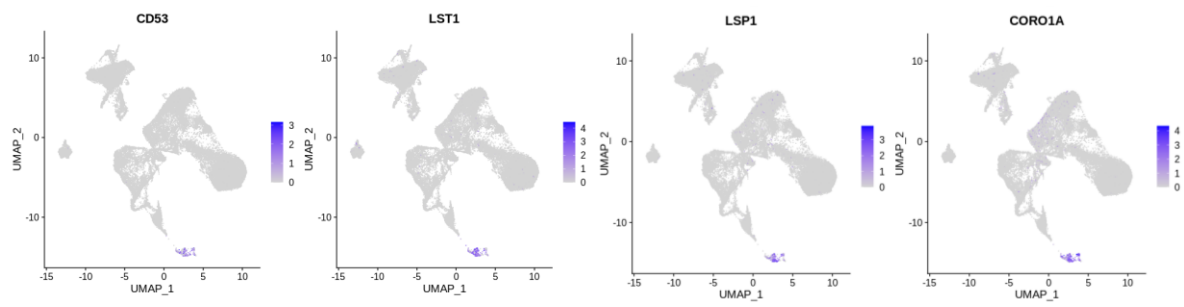


Fig.S1 The markers labeled cell types plot.

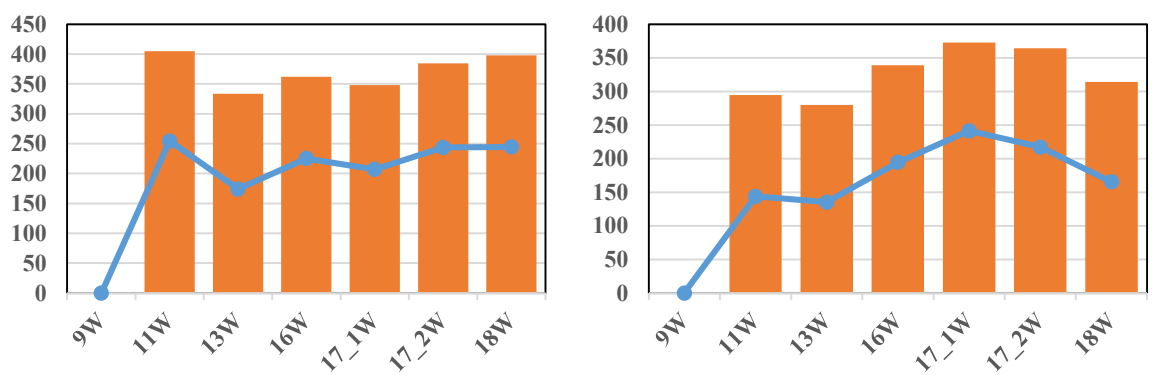
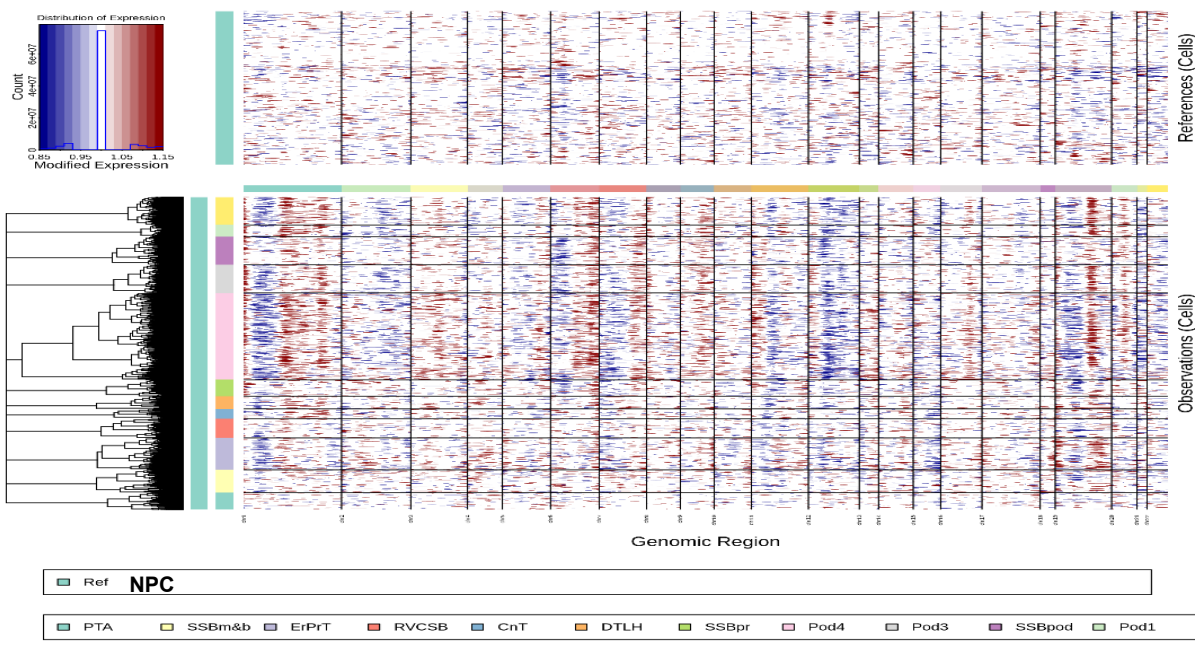
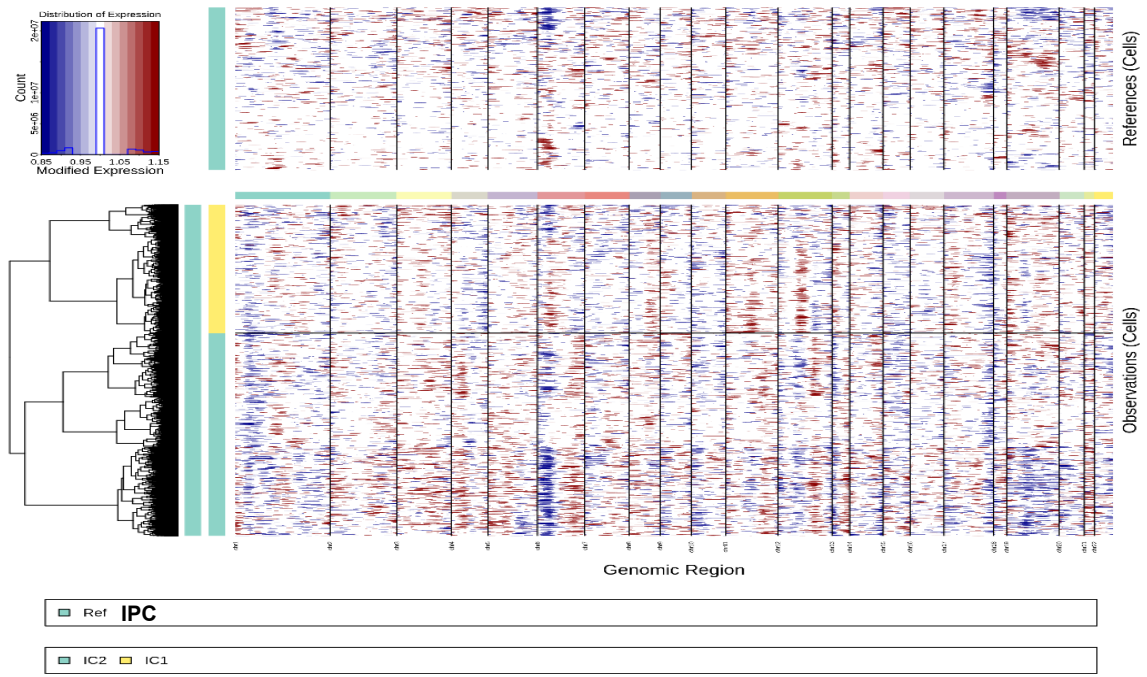
A**SSBpr****Leukocytes****B****inferCNV of NPC-derived cells****C****inferCNV of Interstitial cells**

Fig.S2 (A) Expressed ATG genes per single cell in SSBpr and leukocytes. (B-C) inferCNV results of NPC and IPC derived fetal renal cells.

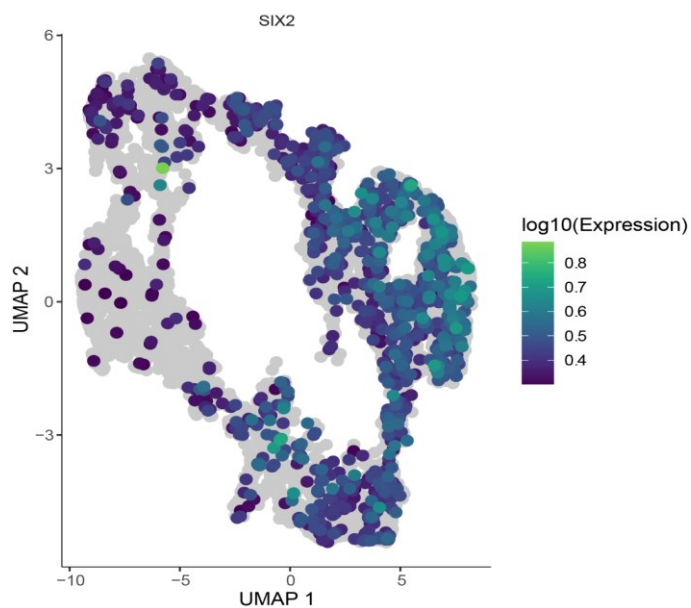
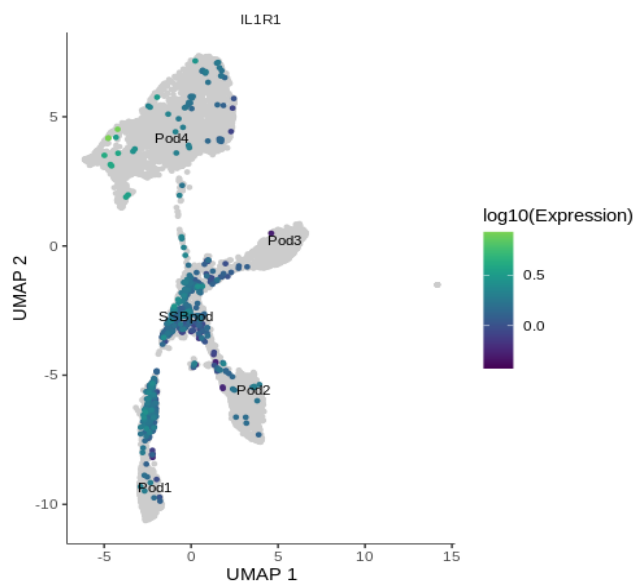
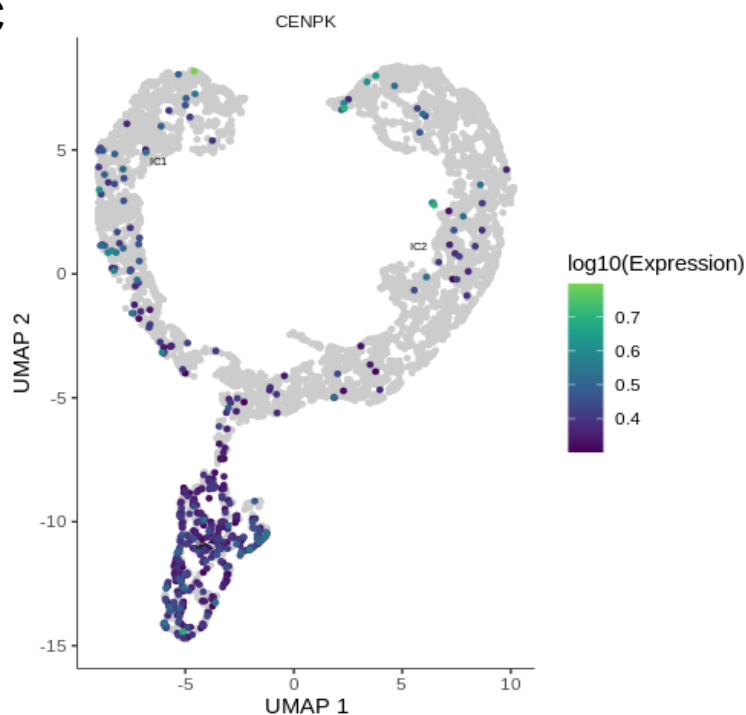
A**B****C**

Fig.S3 (A) SIX2 expression in Monocle 3 cluster of NPCs. (B) IL1R1 expression in Monocle 3 cluster of SSBpod and pods. (IL1R1 is the marker of SSBpod). (C) CENPK expression in Monocle 3 cluster of IPC and ICs. (CENPK is the marker of IPC)

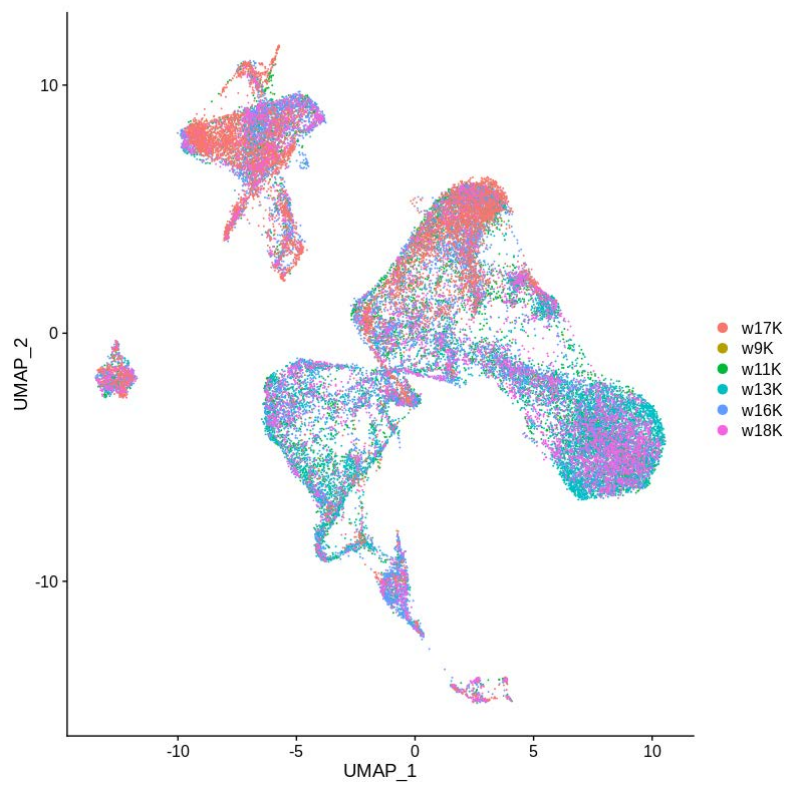


Fig.S4 UMAP plot of different samples in all weeks.