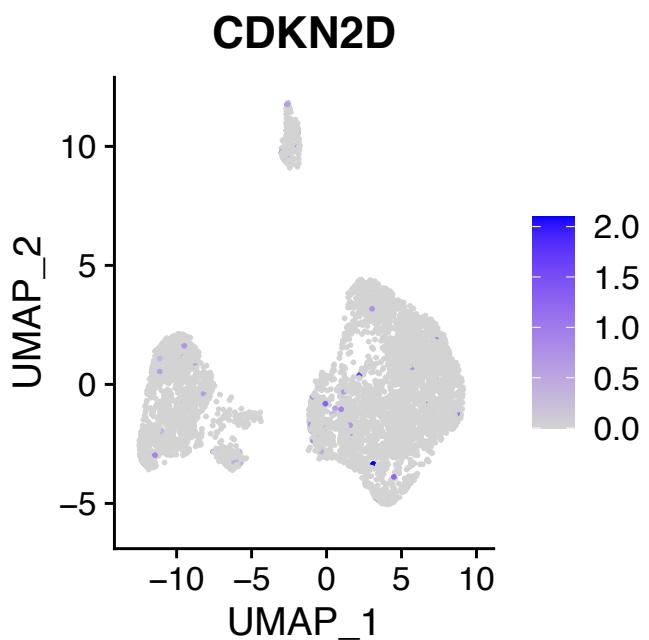
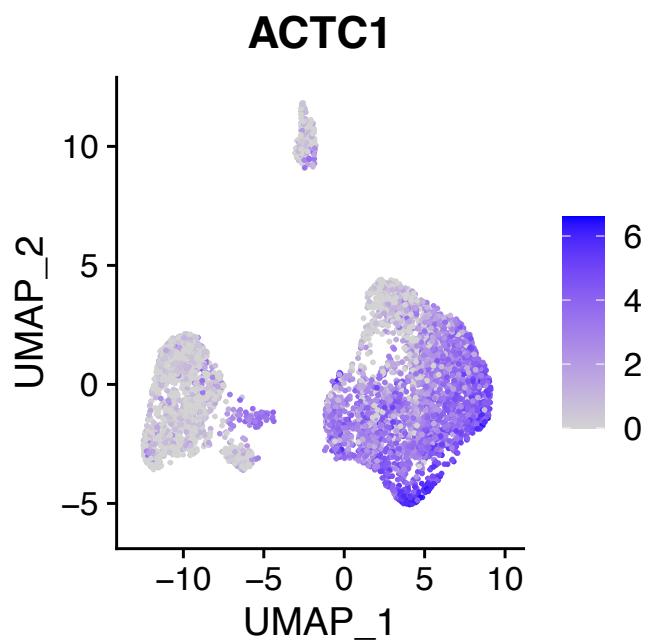
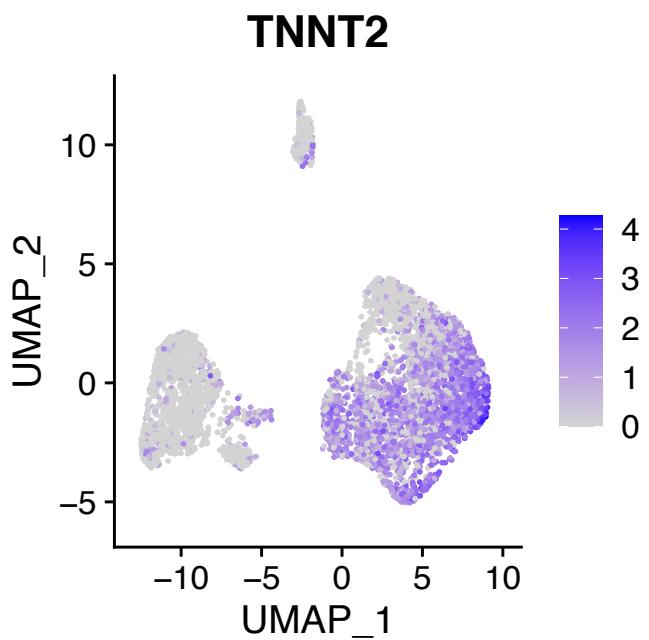
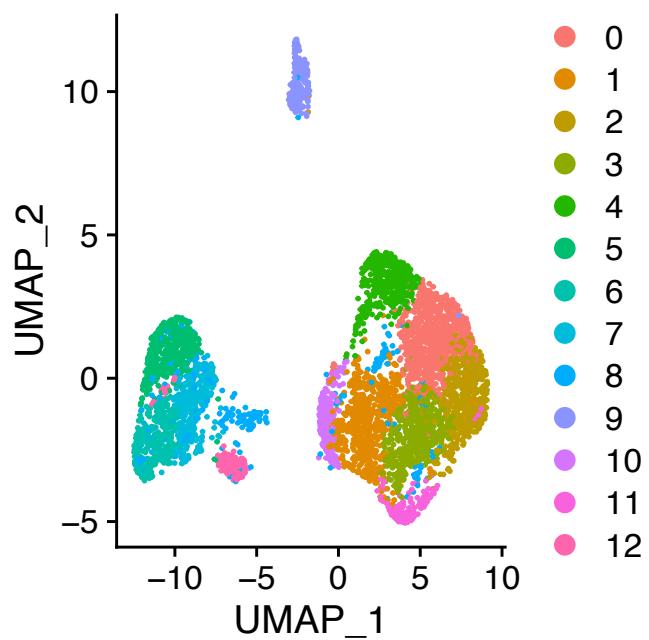


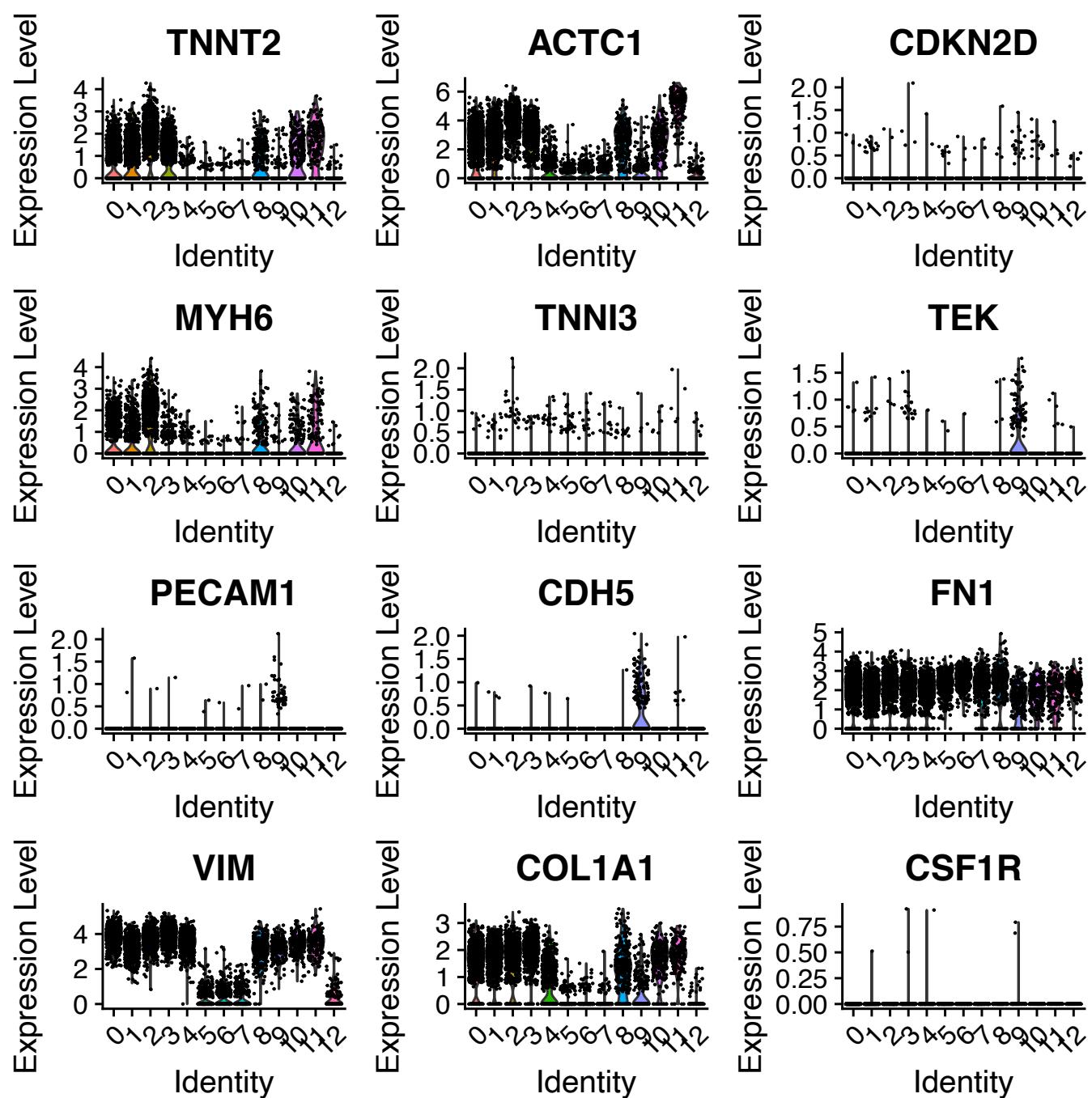
## Supplementary Figure 9

### (K) Day 5 Rep 2



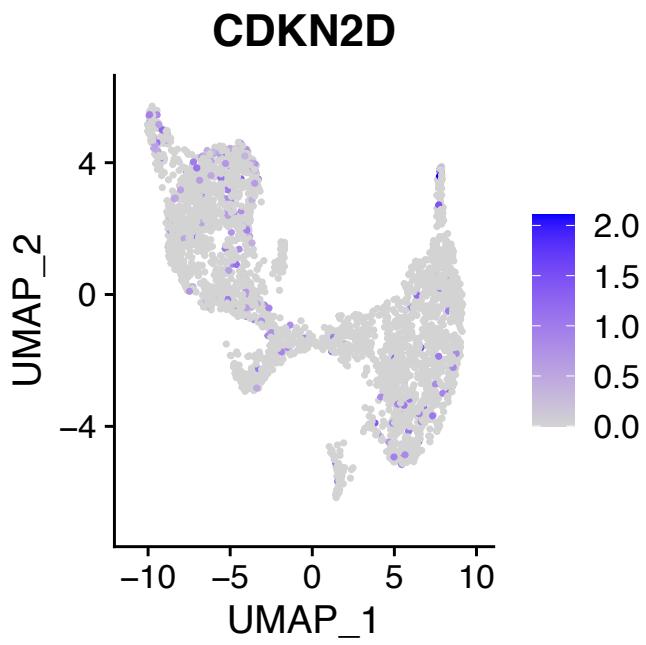
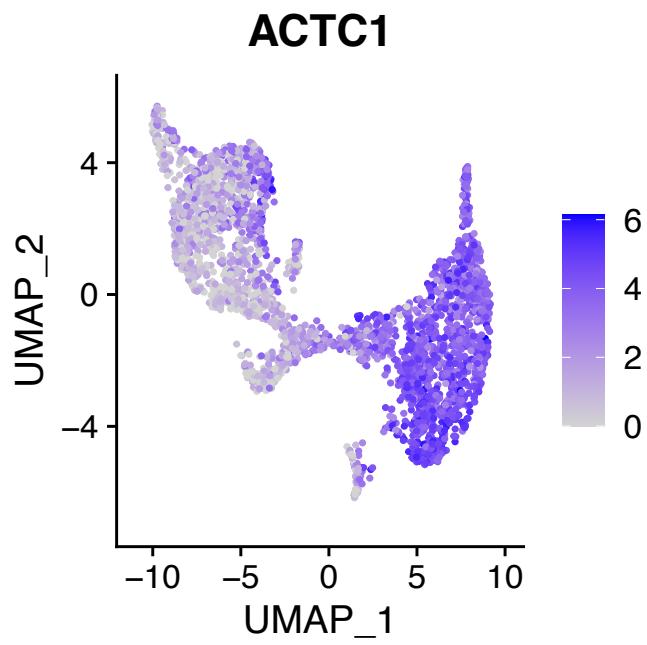
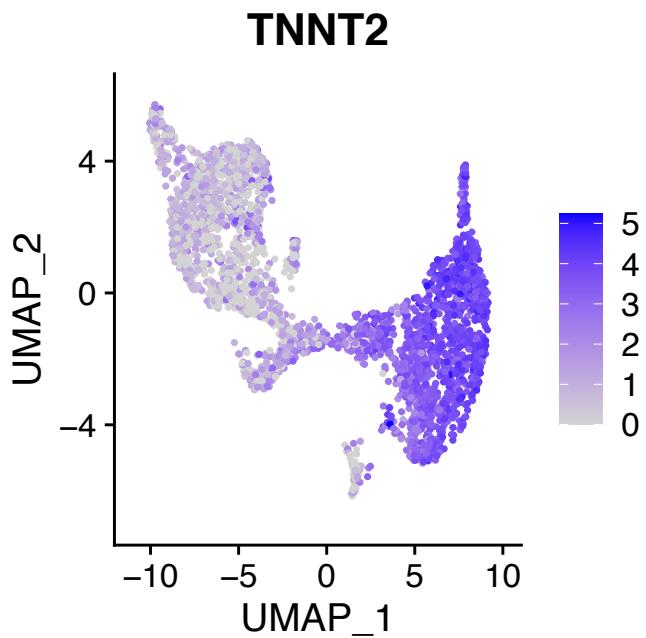
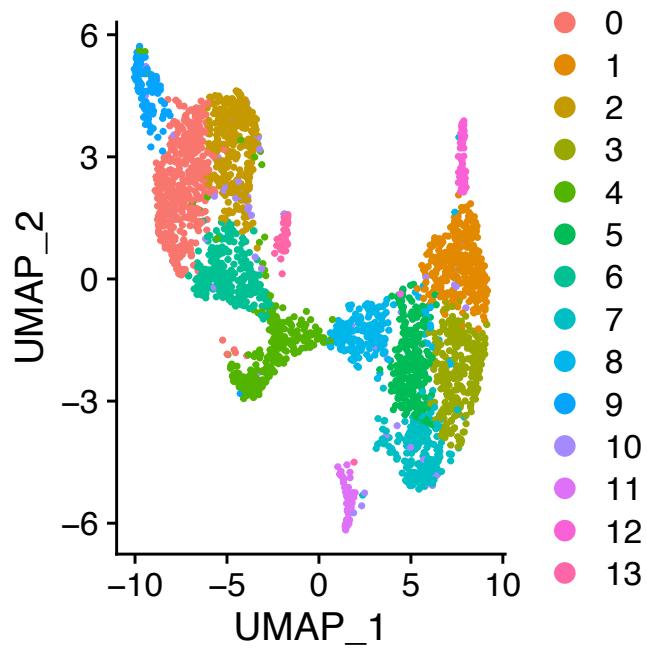
## Supplementary Figure 9

### (L) Day 5 Rep 2



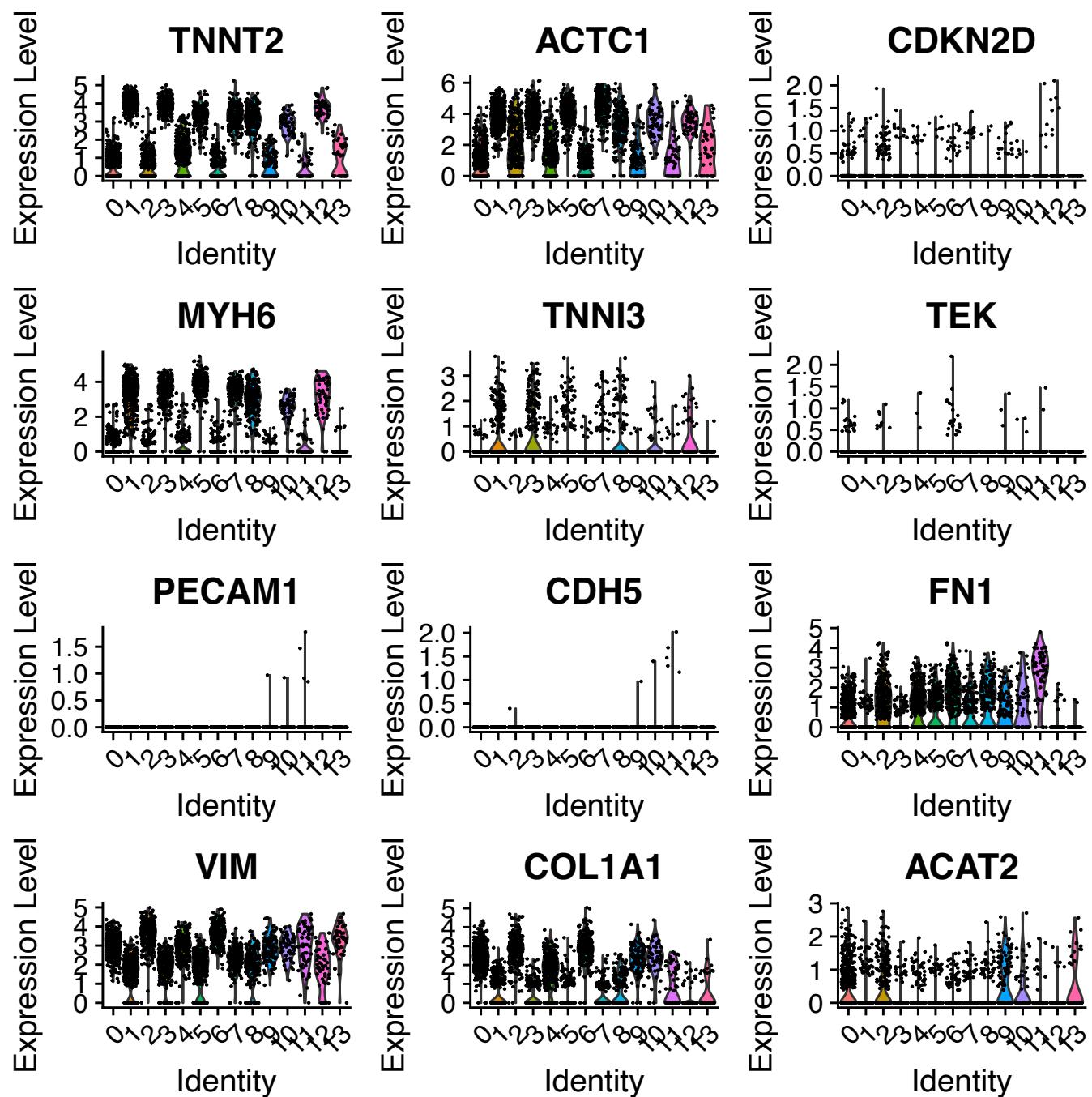
## Supplementary Figure 9

### (M) Day 15 Rep 1



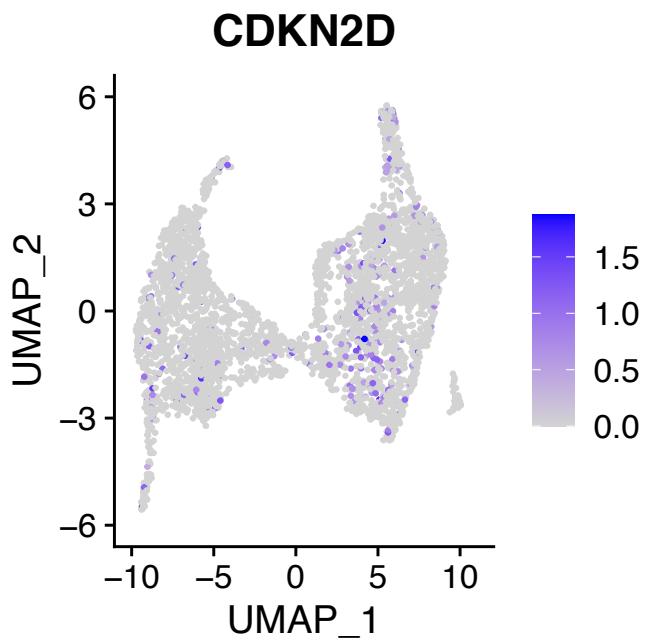
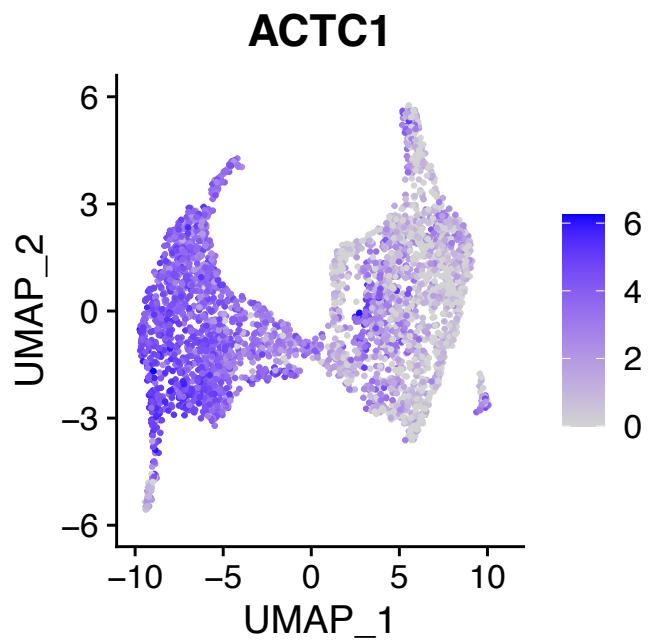
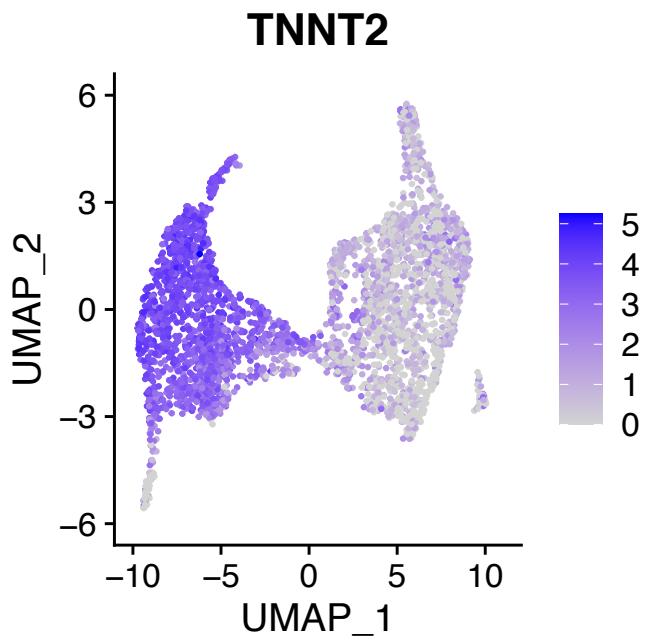
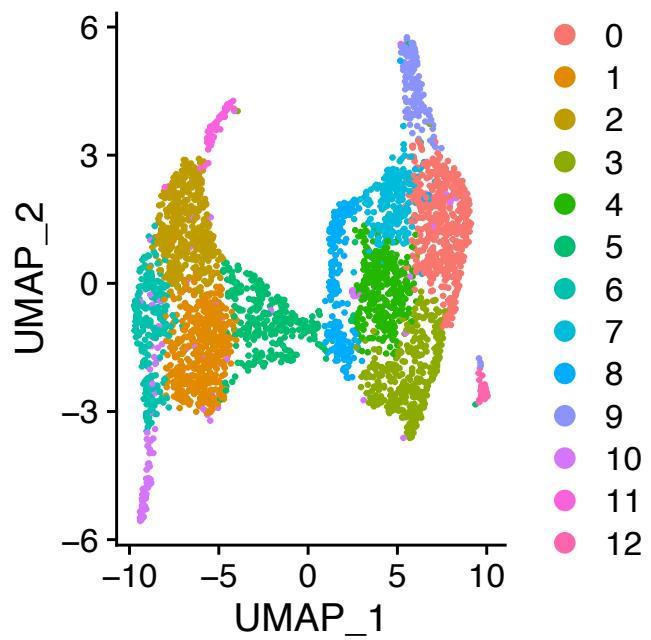
## Supplementary Figure 9

(N) Day 15 Rep 1



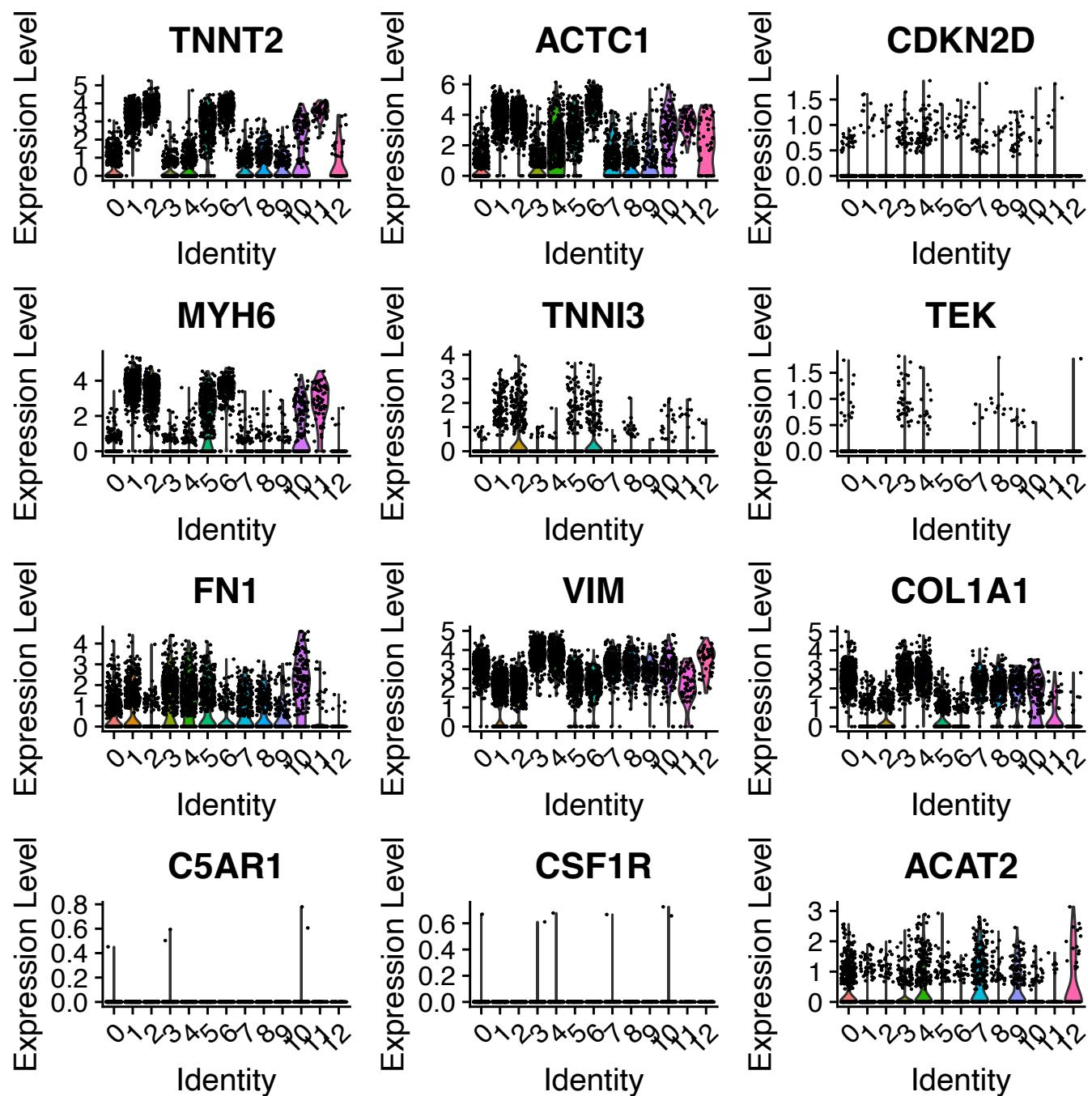
## Supplementary Figure 9

### (O) Day 15 Rep 2



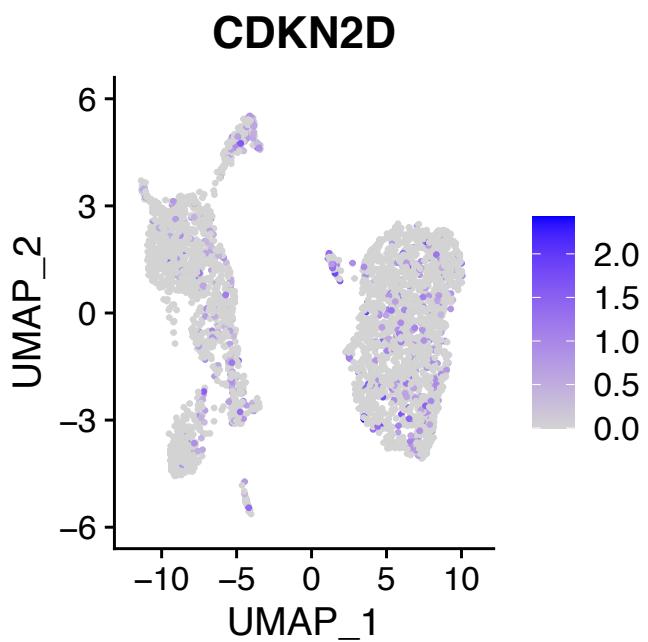
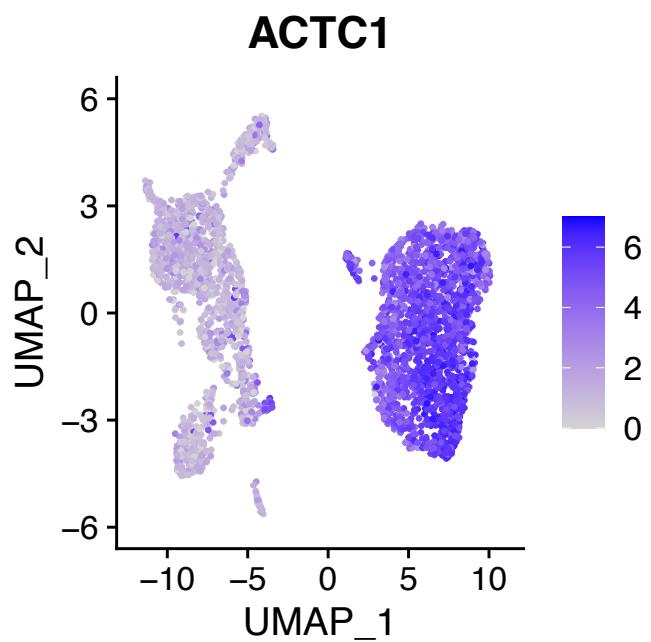
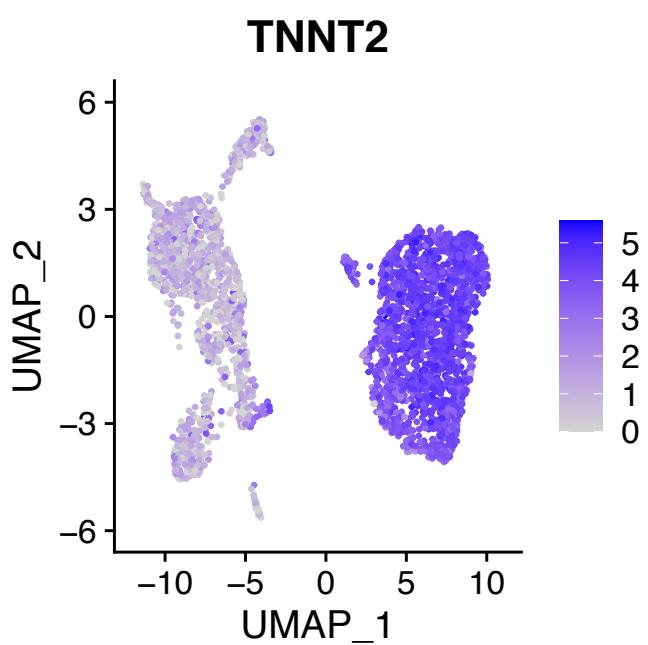
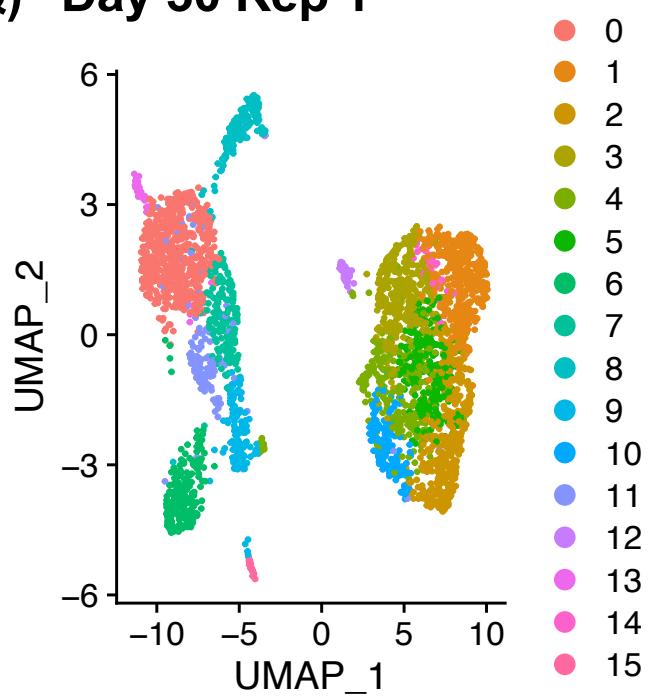
## Supplementary Figure 9

(P) Day 15 Rep 2



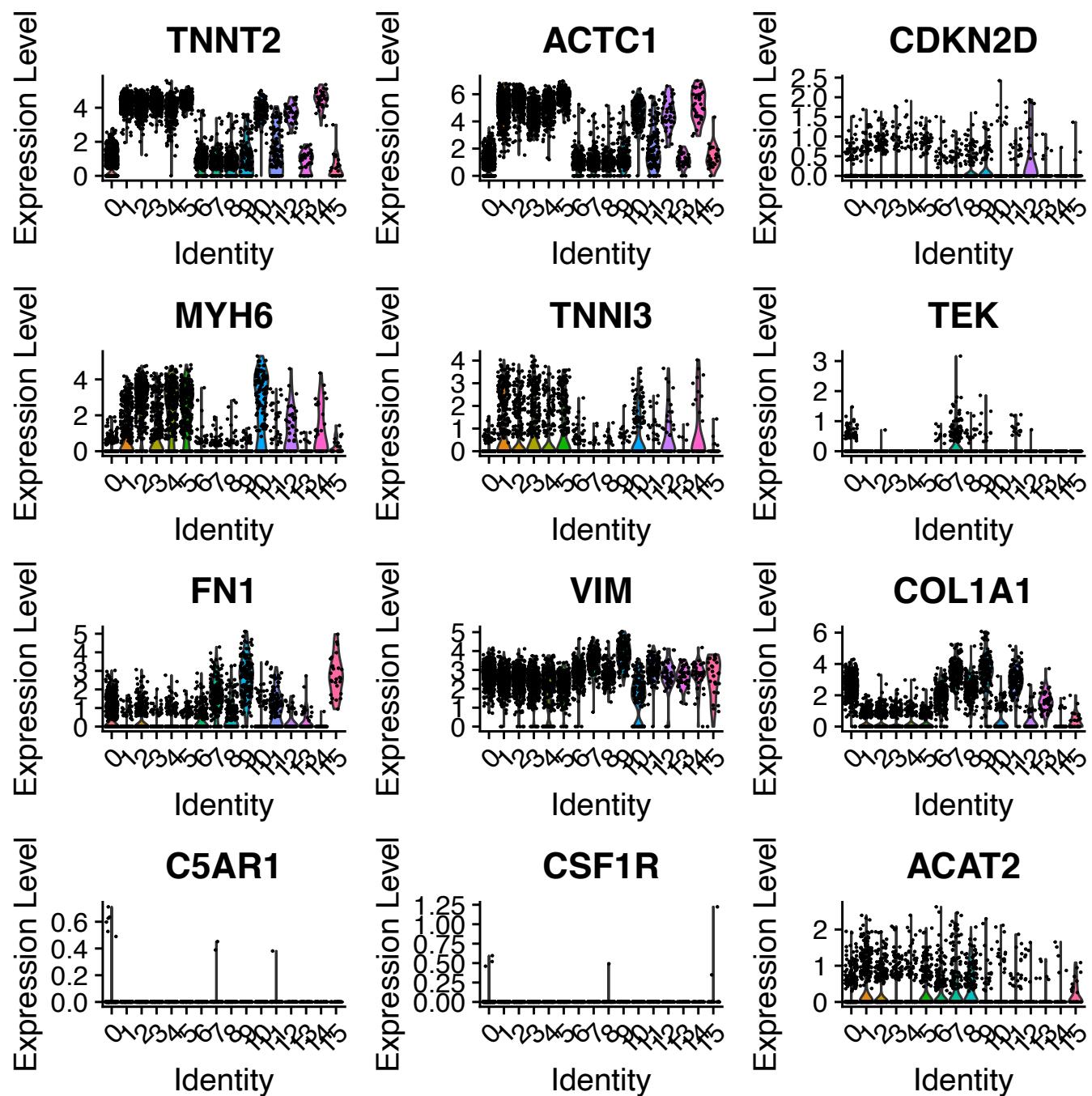
## Supplementary Figure 9

### (Q) Day 30 Rep 1



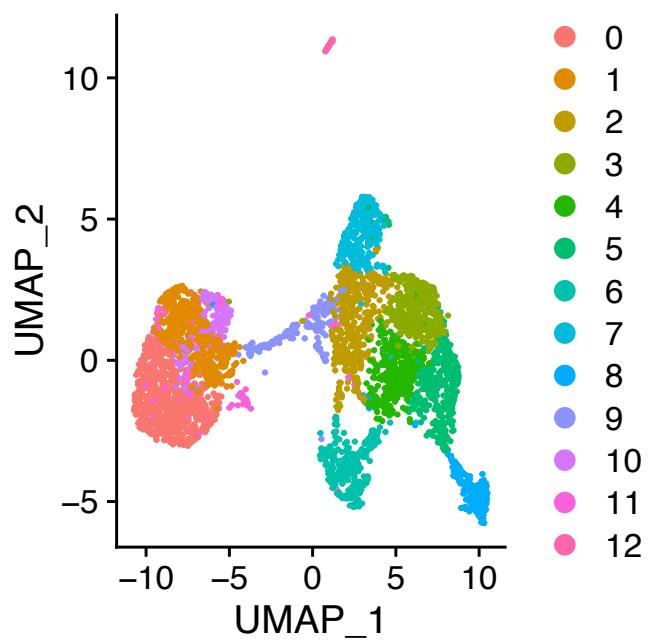
## Supplementary Figure 9

(R) Day 30 Rep 1

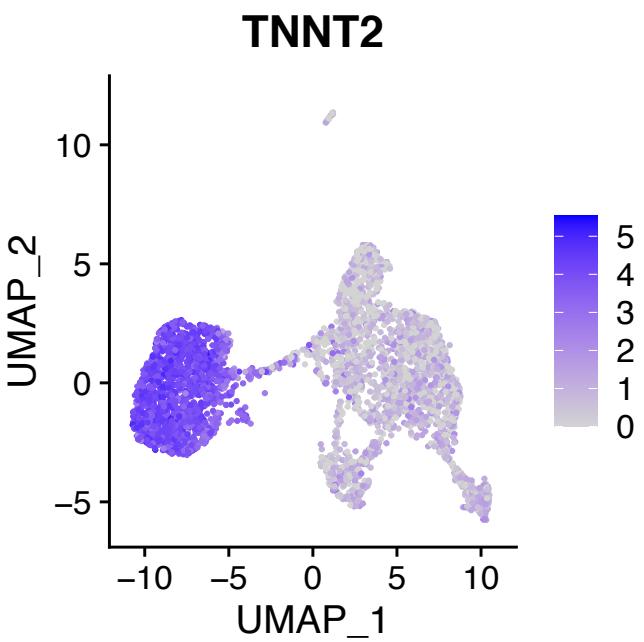


## Supplementary Figure 9

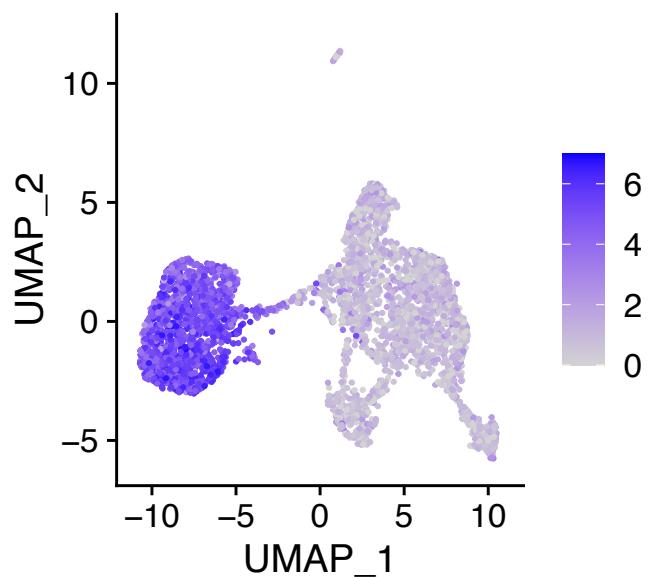
(S) Day 30 Rep 2



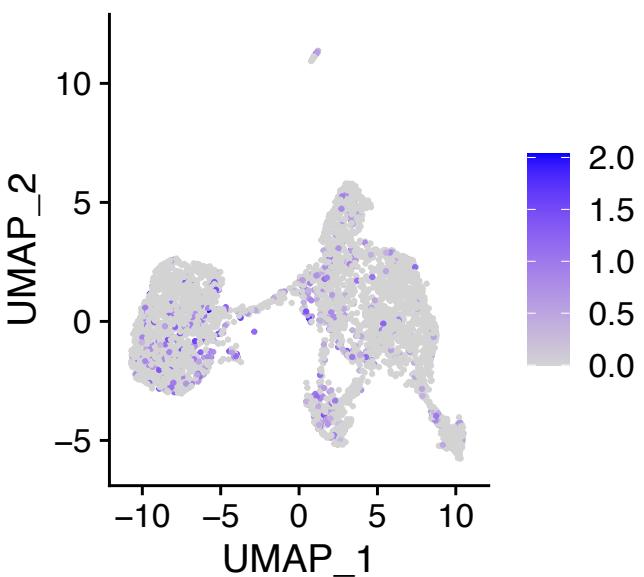
**TNNT2**



**ACTC1**

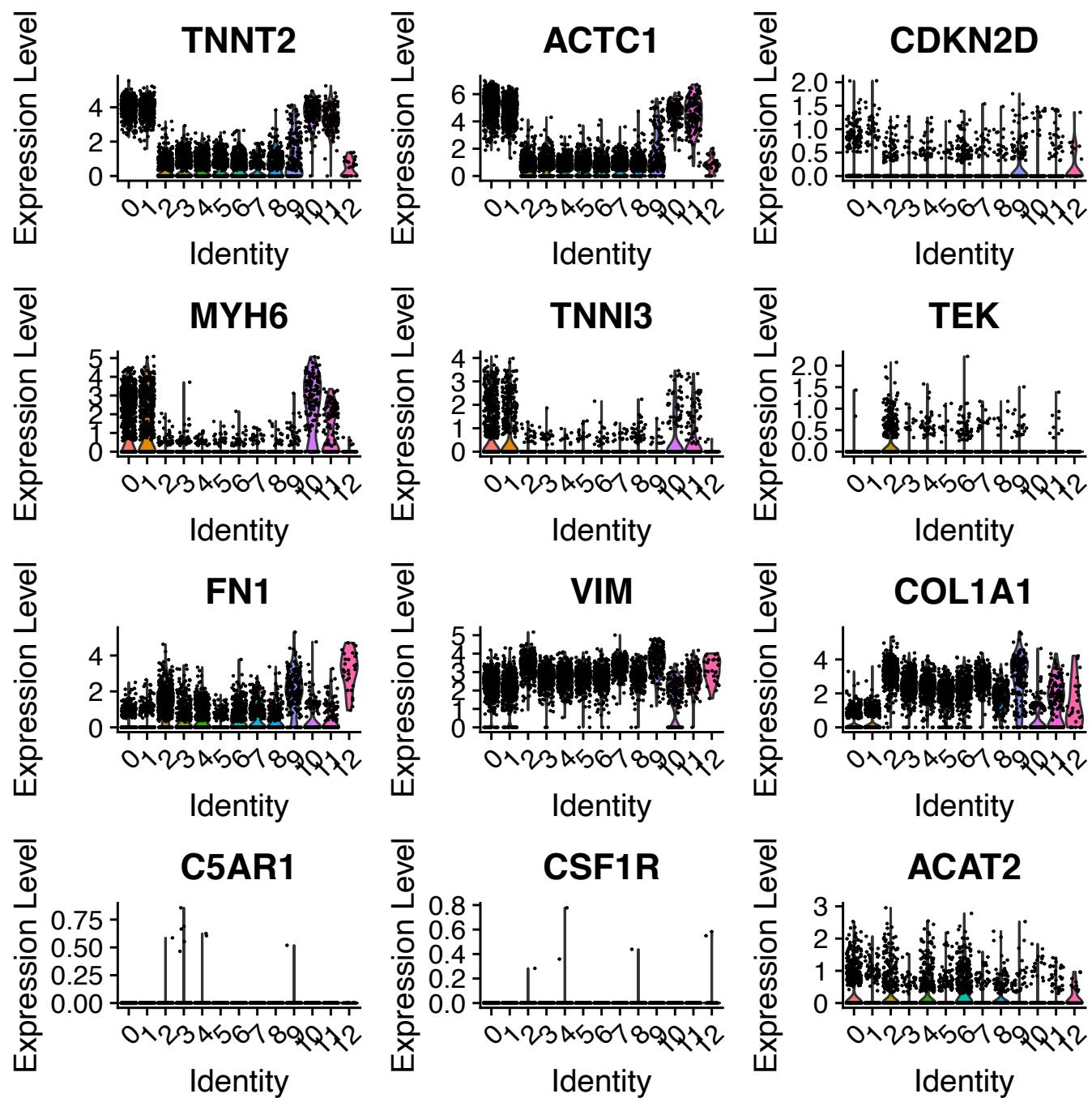


**CDKN2D**



## Supplementary Figure 9

(T) Day 30 Rep 2



**Supplementary Figure 9: (A)-(T)** UMAP plots of two replicates from hESCs on day0, day2, day5, day15 and day 30 of differentiation, UMAP plots and violin plots showing the expression of marker genes of CMs.