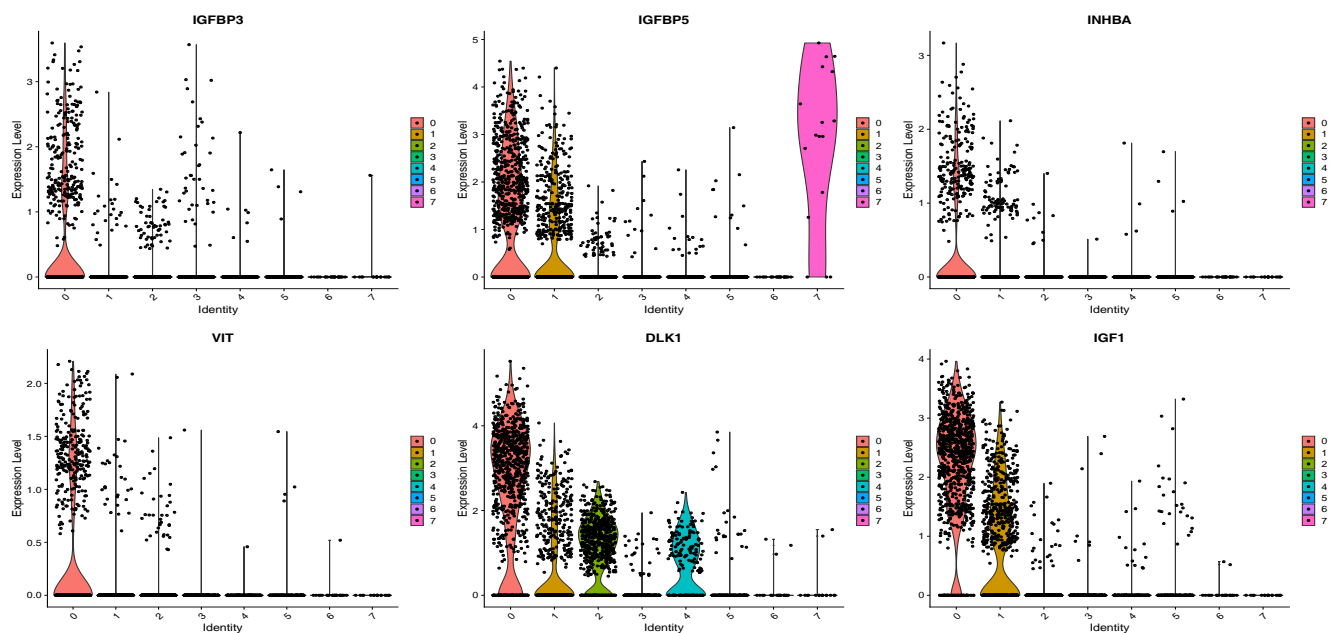
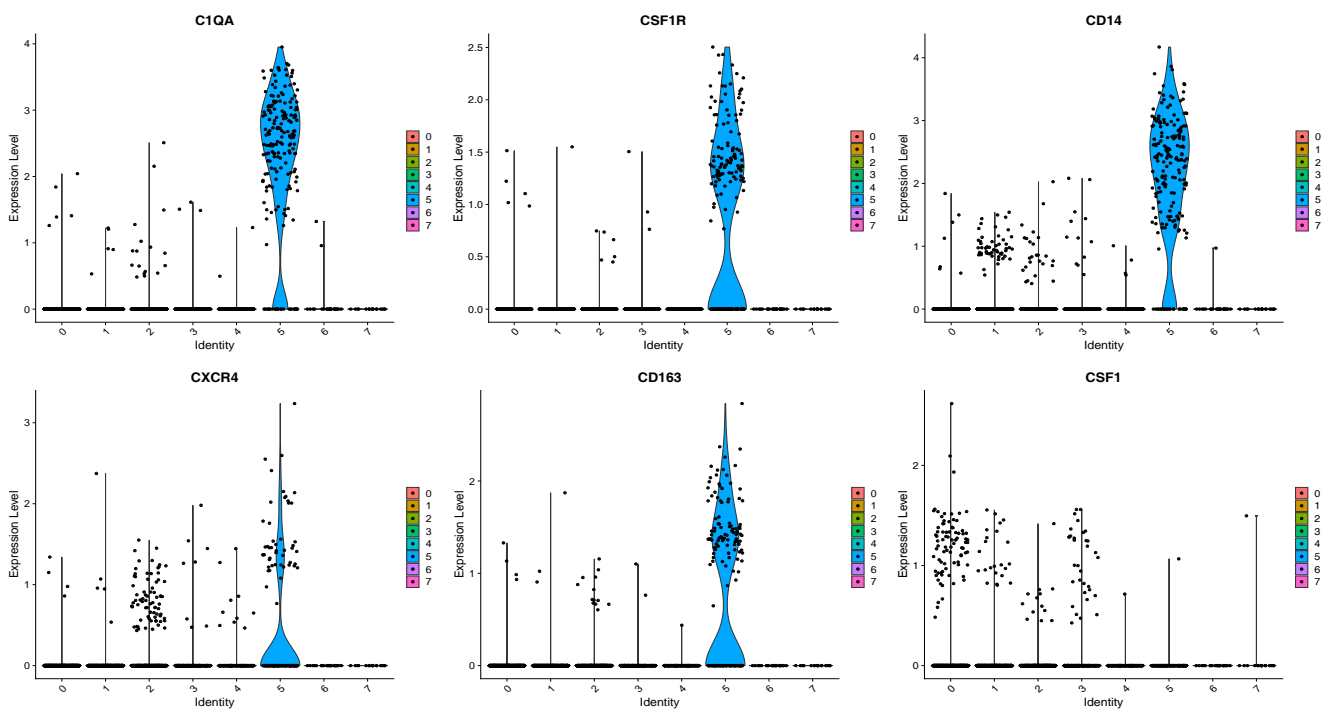


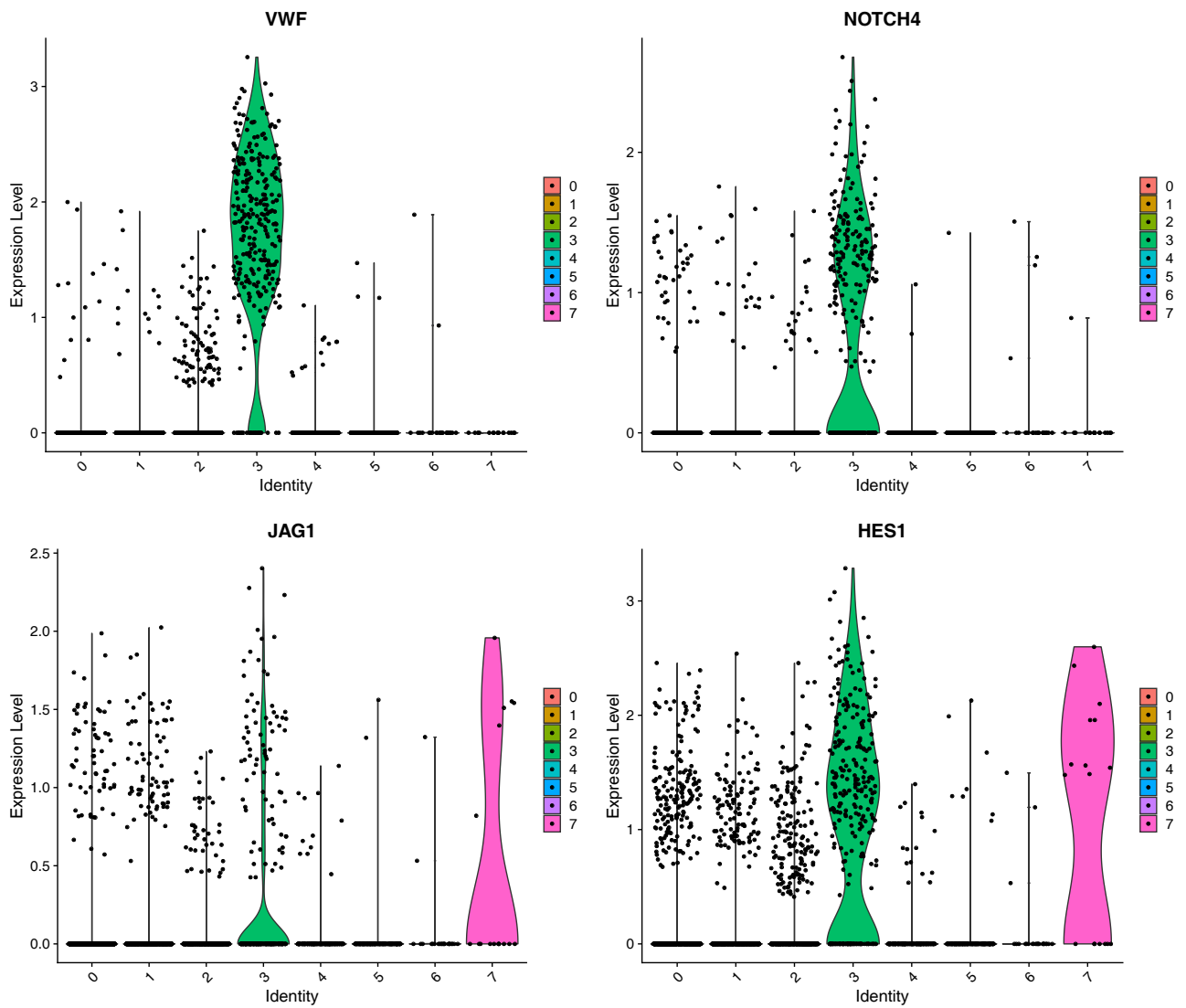
**Figure S1** Expression of selected markers (somatic/niche cell markers and germ cell markers) are shown on the t-distributed stochastic neighbor embedding plot. Blue indicates high expression, and gray indicates low or no expression.



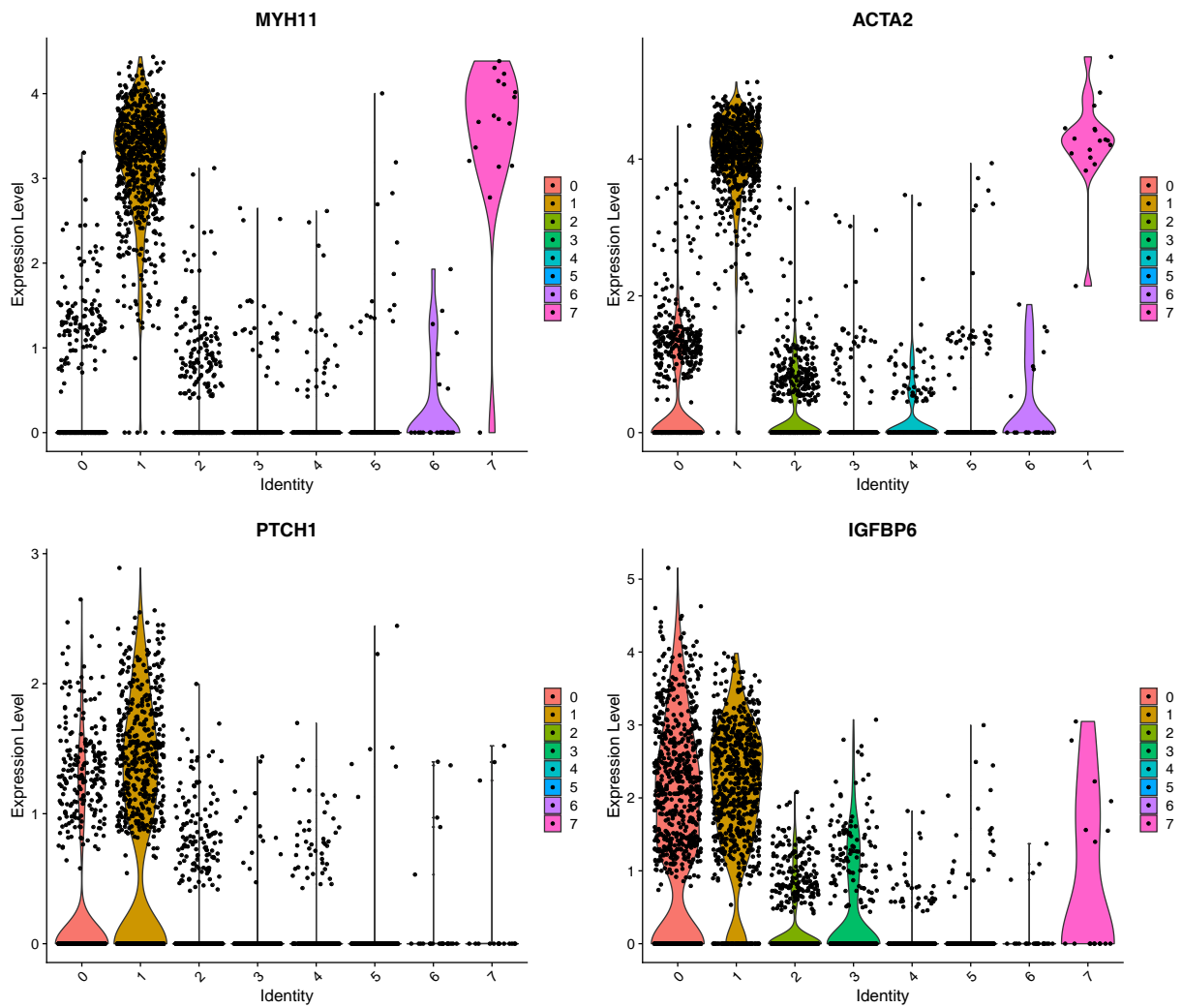
**Figure S2** Gene expression patterns (violin plot) of selected markers in Leydig cells.



**Figure S3** Gene expression patterns (violin plot) of selected markers in macrophages.



**Figure S4** Gene expression patterns (violin plot) of selected markers in endothelial cells.



**Figure S5** Gene expression patterns (violin plot) of selected markers in myoid cells.

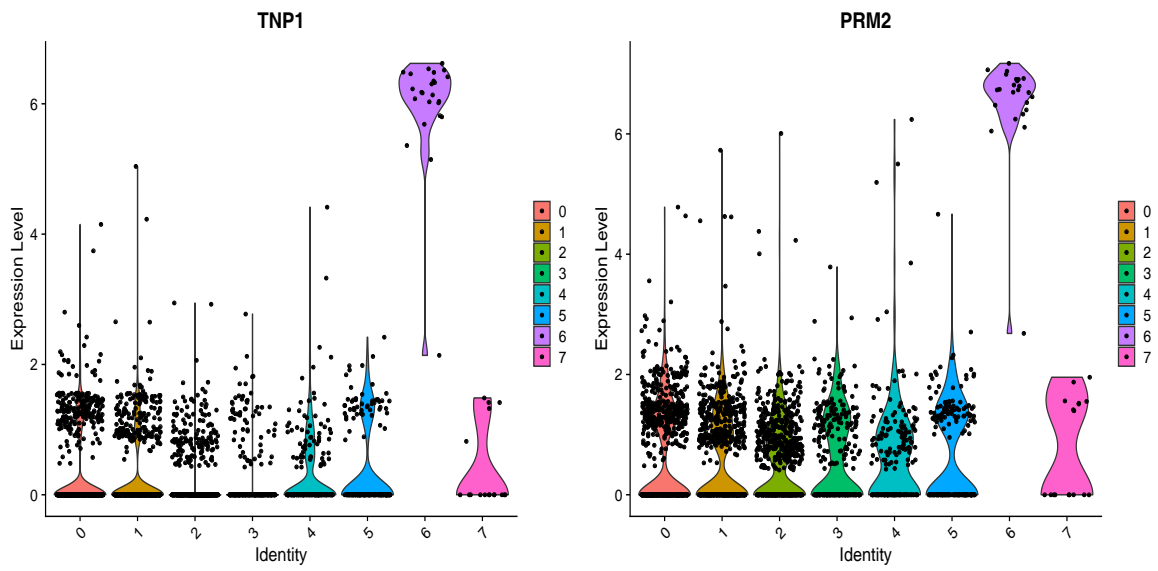


Figure S6 Gene expression patterns (violin plot) of selected markers in sperm.

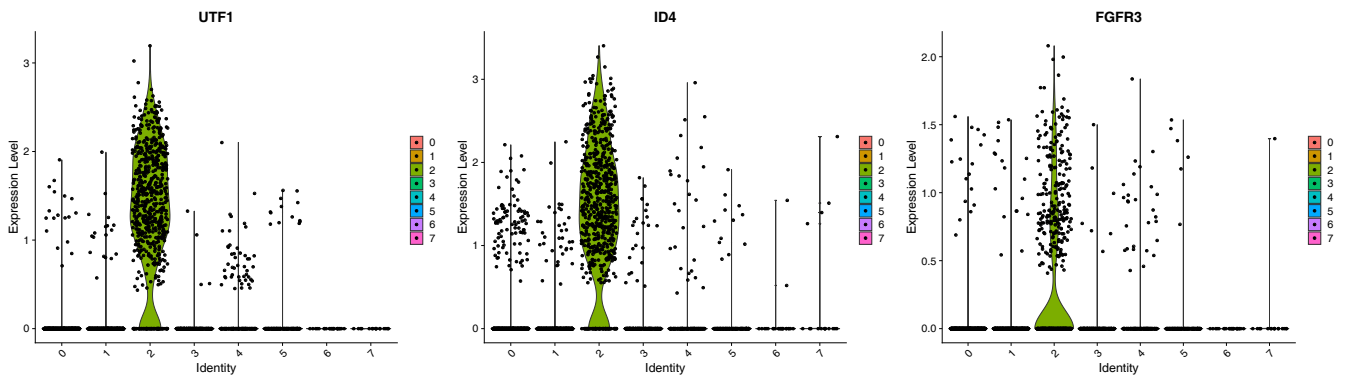
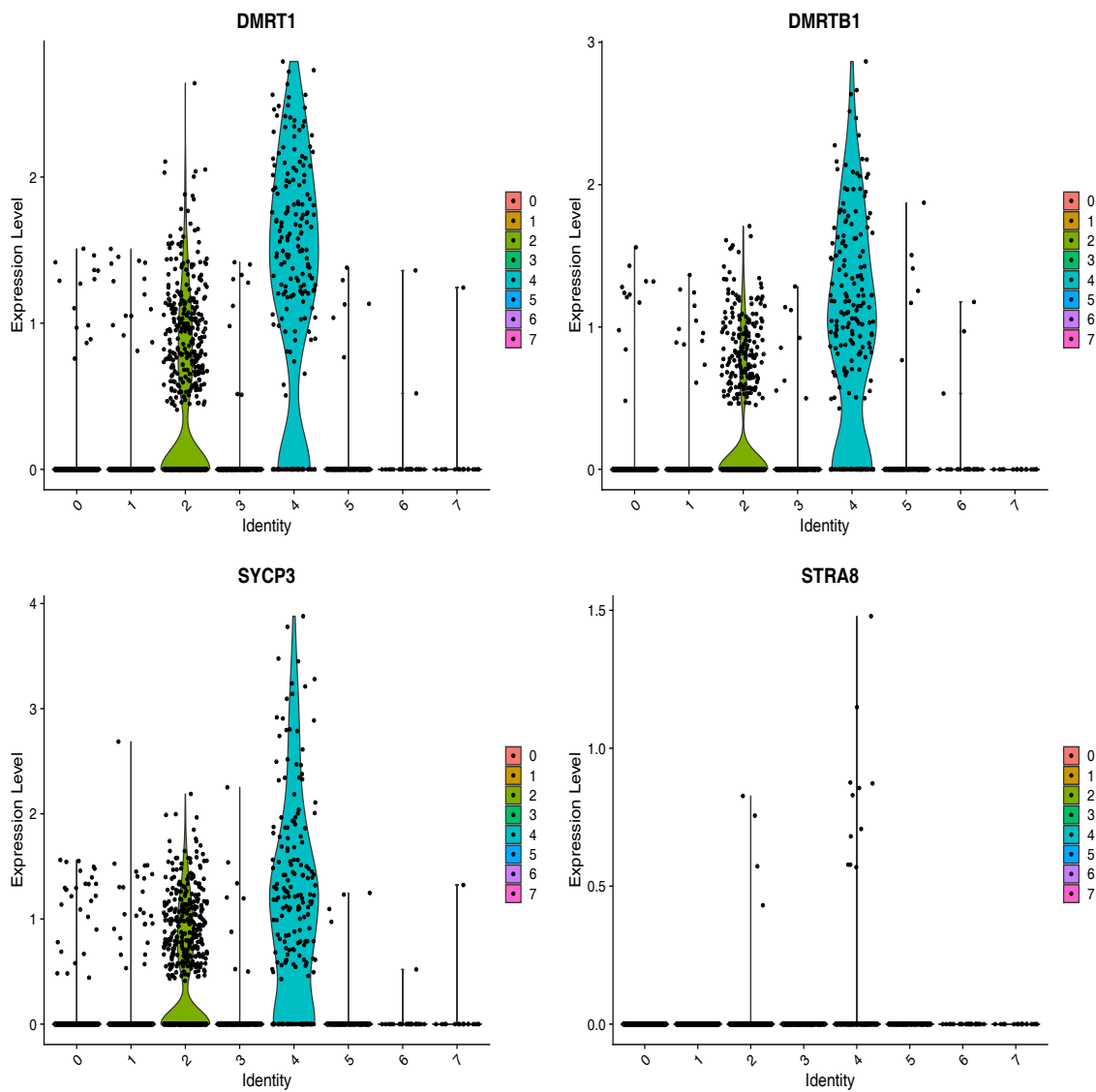


Figure S7 Gene expression patterns (violin plot) of selected markers in spermatogonial stem cells.



**Figure S8** Gene expression patterns (violin plot) of selected markers in primary spermatocytes.