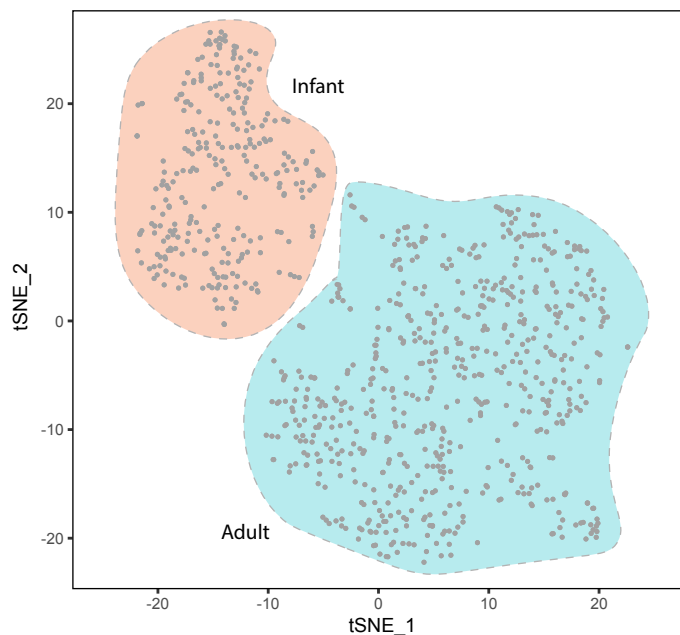
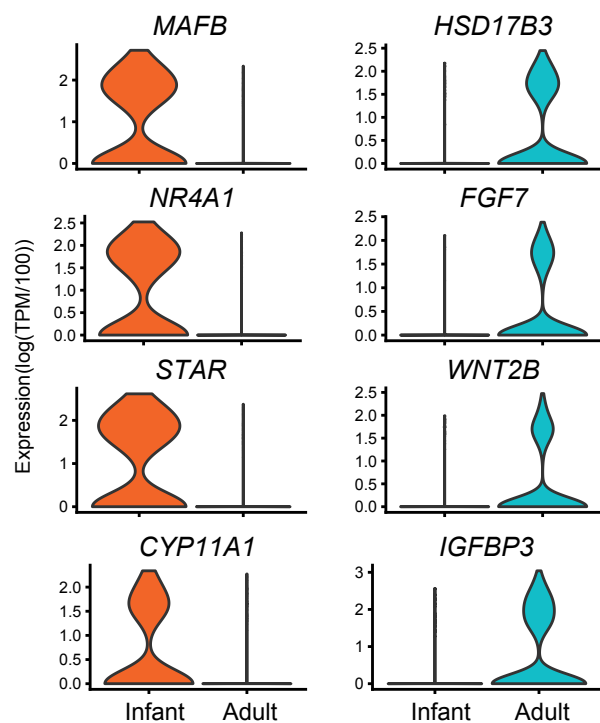
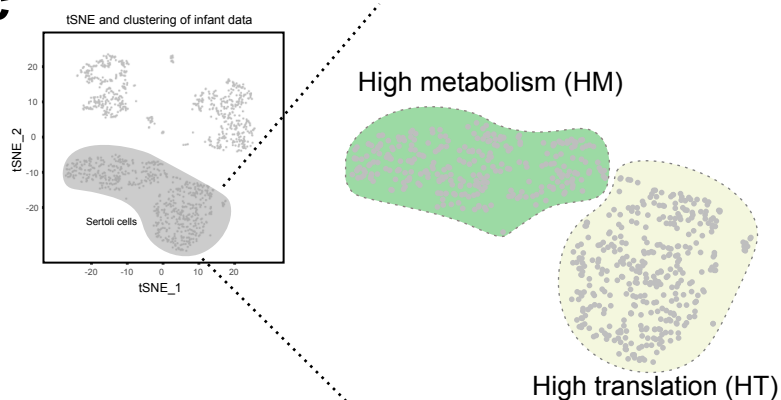


Fig. S7**a**

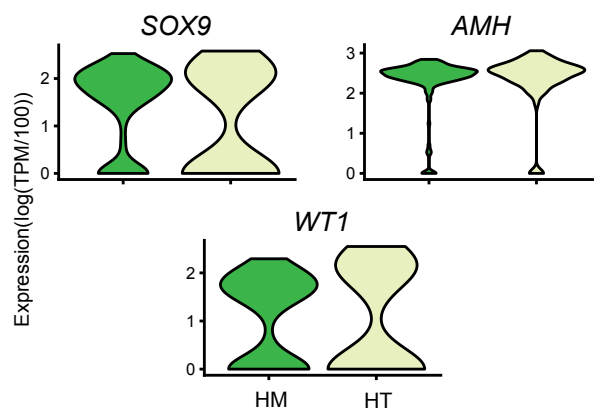
Combined analysis of infant and adult Leydig cells

**b**

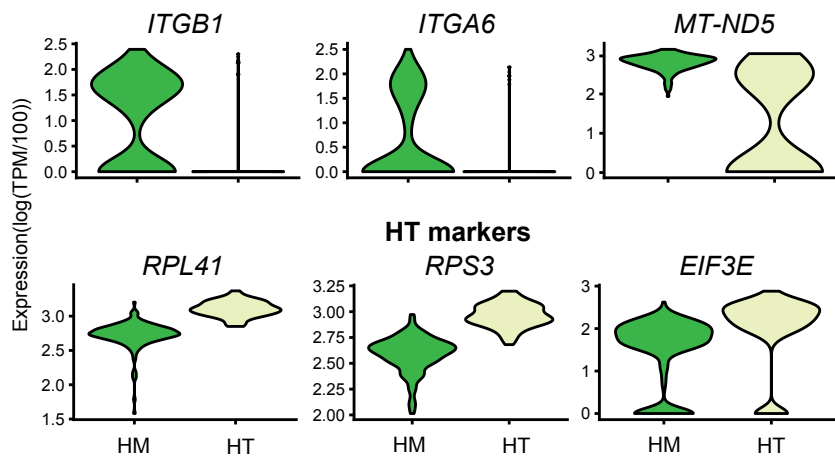
Fetal Leydig markers Adult Leydig markers

**c****d**

Sertoli cell markers

**e**

HM markers

**f**

NOTCH signaling pathway

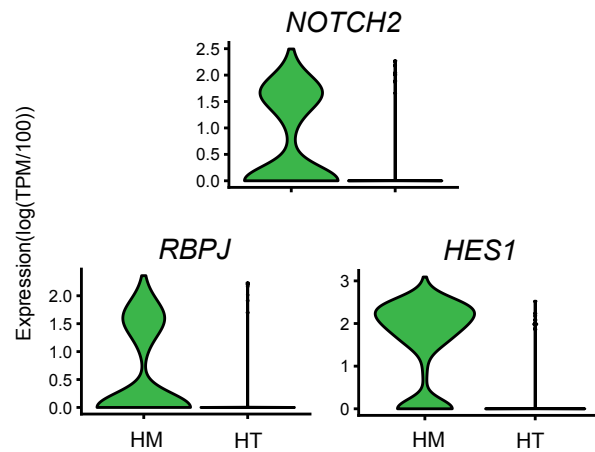


Fig. S7. Analysis of Infant Somatic Cells.

(a) tSNE and clustering analysis of infant and adult Leydig cells.

(b) Expression patterns of representative markers in infant and adult Leydig cell clusters in Fig. S7a. Left panel are fetal Leydig cell markers, and right panel are adult Leydig cell markers.

(c) Zoomed-in representation of infant Sertoli cells, which include two distinct clusters (high metabolism and high translation).

(d) Sertoli cell markers are evenly expressed in both Sertoli cell clusters.

(e) Expression of representative genes that are highly expressed in HM or HT Sertoli cells. Top row is HM markers, including different integrins and some mitochondria genes; bottom row is HT markers, including genes that are related to translation.

(f) Notch signaling pathways are active only in HM Sertoli cell clusters.