

Supplementary information Figure 3 RNAseq analysis of AFSCs and ASCs.

(A) Heatmap showing Pearson correlation coefficient (*r*) of whole-genome transcriptome between samples and UHC with 1-*r* as a distance measure. (B) PCA of transposable element expression. (C) Heatmap showing expression of differentially expressed transposable elements. (D) UHC of gene expression of *in vitro* pluripotent stem cells and that of E2.5 to E5.5 embryos [37]. The analysis was based on 1 685 dynamically expressed genes between E2.5 to E5.5 embryos. (E) Mesoderm gene expression in ESCs and ASCs. (F) Immunofluorescence (IF) staining for T (Bra) and Cdx1 in ESCs and ASCs, 20 μm. (G) *Haunt/Halr1* and a set of *Hoxa* gene expression in ESCs and ASCs.