



**Supplementary Fig. 2.** Atomic force microscopy (AFM) images of ADSCs (A-1) and UCSCs (B-1), respectively. The different colors in the images indicate different heights of the cells: the light and dark colors correspond to higher and lower regions, respectively. The line profiles taken from AFM images are indicated by white dotted lines (A-2, B-2). The start and end points are indicated by white (A-1, B-1) and dark arrows (A-2, B-2). The red lines indicate the linear fit to the data. MSCs, mesenchymal stem cells; ADSCs, adipose-derived MSCs; UCSCs, umbilical cord-derived MSCs.