



S2 Fig

(A) Cultured MSC adipocytes adapt to 31°C without morphological changes. Four days after differentiation, adipocytes were moved to the indicated temperatures for 12 days.

(B) Adipocyte markers are expressed similarly between control cells cultured at 37°C and those incubated at 37°C from day 4 to 16. For adipocyte samples, 11 µg of protein lysate was analyzed per lane, whereas for brown adipose tissue, 0.1 or 0.5 µg lysate was included as a positive control for UCP1.

(C) Beige adipocyte markers were not induced by exposure of cultured adipocytes to 31°C for the indicated days ($n = 6$). Gene expression was normalized to geometric mean value of *Hprt*, *Tbp*, *Ppia*, and was expressed relative to 37°C control (31°C for 0 day) ($n = 4$). * indicates significance at $p < 0.05$. Uncropped western blots are provided in S8 Raw Images, and numerical data for all graphs are provided in S2 Data.