**Manuscript title** Temporal correlation between differentiation factor expression and miRNAs in Holstein bovine skeletal muscle.

*S. Miretti1, M. G. Volpe1, E. Martignani1, P. Accornero1 and M. Baratta1*

**Supplementary Material S1** *Time-Lapse BoSCs differentiation video*

Bovine satellite cells were plated after isolation. The growth and the differentiation of the cells were followed by time-lapse microscopy (images acquired over 7 days; 10x magnification) using a computer controlled Leica AF6000LX inverted microscope equipped with a motorized stage controlled by LAS AF software. Images were captured at 30 min intervals starting at day 3 GM.