

Title: Supplementary Movie 1.

Description: Dll1-luciferase expression in a single muscle stem cell associated with a myofiber, related to Fig. 2a. The fiber was isolated from a mouse carrying the Dll1^{luc} indicator allele. Time-lapse imaging of bioluminescence (left) and bright field (right) signals. Images were taken every 10 minutes; the exposure time for the bioluminescence signal was 6 minutes, and for the bright field image 30 milliseconds.

Title: Supplementary Movie 2.

Description: Dll1-luciferase expression in coupled muscle stem cells associated with a myofiber, related to Fig. 2b. The fiber was isolated from a mouse carrying the Dll1^{luc} indicator allele. Time-lapse imaging of bioluminescence (left) and bright field (right) signals. The arrows (green) show the cells that were tracked. Images were taken every 10 minutes; the exposure time for the bioluminescence signal was 6 minutes, and for the bright field image 30 milliseconds.

Title: Supplementary Movie 3.

Description: Nanoluc expression in a sphere formed by wildtype muscle stem cells, related to Fig. 2c. Time-lapse imaging of bioluminescence (left) and bright field and GFP (right) signals. Images were taken every 10 minutes; the exposure time for the bioluminescence signal was 5 minutes, and for the bright field image 30 milliseconds.

Title: Supplementary Movie 4.

Description: Dll1-luciferase expression in a single muscle stem cell associated with a myofiber, related to Fig. 6b. The fiber was isolated from a TxDll1^{f/type2} mouse. Time-lapse imaging of bioluminescence (left) and bright field (right) signals. Images were taken every 10 minutes; the exposure time for the bioluminescence signal was 9 minutes, and for the bright field image 30 milliseconds.

Title: Supplementary Movie 5.

Description: Dll1-luciferase expression in coupled muscle stem cells associated with a myofiber, related to Fig. 6c. The fiber was isolated from a TxDll1^{f/type2} mouse. Time-lapse imaging of the bioluminescence (left) and bright field (right) signals. The arrows (green) show the cells that were tracked. Images were taken every 10 minutes; the exposure time for the bioluminescence signal was 9 minutes, and for the bright field image 30 milliseconds.

Title: Supplementary Movie 6.

Description: Nanoluc expression in a sphere formed by TxDll1^{f/type2} muscle stem cells, related to Fig. 6d. Time-lapse imaging of a bioluminescence (left) and bright field and GFP (right) signals. Images were taken every 10 minutes; the exposure time for the bioluminescence signal was 5 minutes, and for the bright field image 30 milliseconds.