



Figure S2. Myogenic differentiation of Pax7^{+/+} and Pax7^{-/-} iPSCs treated with HS and 5-azacytidine. (A) Morphology of iPSCs cultured for 24h in medium supplemented with horse serum (HS) and 5 μ M 5azaC and then for 10 days in medium with HS. Control cells were cultured in the medium lacking 5azaC. Red arrows indicate myotube-like structures. (B) Expression of *Myf5*, *Myod1*, and *Myog* mRNAs.

White bars – values for Pax7^{+/+} iPSCs, gray bars – values for Pax7^{-/-} iPSCs. Expression was related to the levels observed in 13.5 d.p.c. mouse embryo (E13.5), and normalized to mRNA encoding β -actin (*Actb*). Data are presented as mean \pm SD. Stars symbolizes result of Two-way ANOVA and post-hoc Sidak's multiple comparisons test: *p<0.05; ***p<0.001.