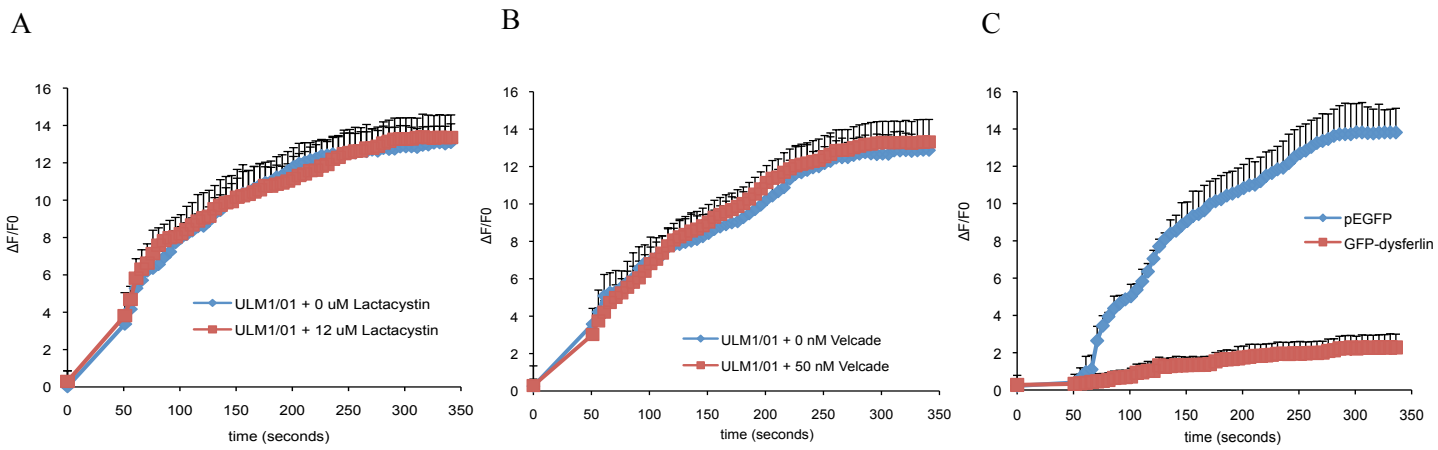
Fig. S1. Membrane resealing failure in myoblasts harboring two DYSF null alleles. Quantification of relative fluorescence intensity over time after laser-induced injury of ULM1/01 myoblasts (harboring two null dysferlin alleles) treated with 12 μM Lactacystin (A) or 50 nM of Velcade (B) reveals no effect on plasmalemmal resealing kinetics. Transfection of these cells with GFP-dysferlin reinstates membrane resealing capability, measured with FM4-64 instead of FM1-43, so as not to interfere with the fluorescence emitted by the GFP epitope (C). Numbers of individual measurements are as follows: for Lactacystin: 0 μM (n= 8) and 12 μM (n= 12); for Velcade: 0 nM (n= 10) and 50 nM (n=10); for GFP (n=8) and GFP-dysferlin (n=12) Data are presented as means plus one standard deviation.

Figure S1


A
B
C
ΔF/F0
time (seconds)
ULM1/01 + 0 uM Lactacystin
ULM1/01 + 12 uM Lactacystin
ULM1/01 + 0 nM Velcade
ULM1/01 + 50 nM Velcade
pEGFP
GFP-dysferlin