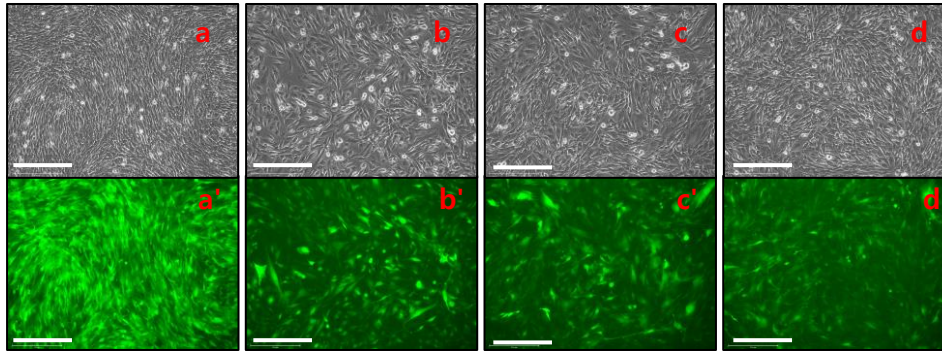
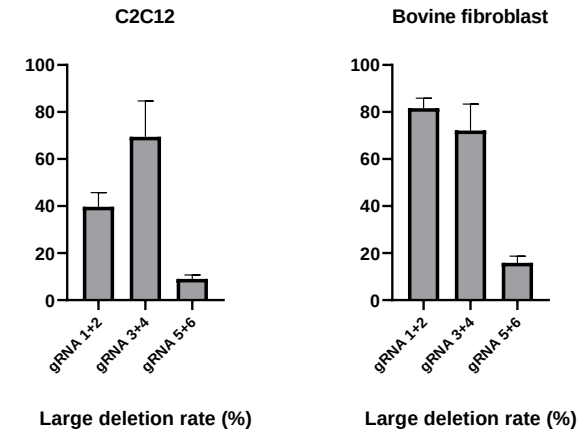


A



B



Supplementary Fig. 1. Knockout of each E-box cluster in C2C12 model cell line and bovine cell. (A) Bright and fluorescence image after knock out in C2C12 model cell line. (a and a') untreated control group, (b and b') distal cluster deletion group, (c and c') middle cluster deletion group, (d and d') proximal cluster deletion group. (B) Efficiency of inducing desired large deletion using Cas9 and dual guide RNA for C2C12 model cell line and bovine cell. Scale bar = 275 μ m