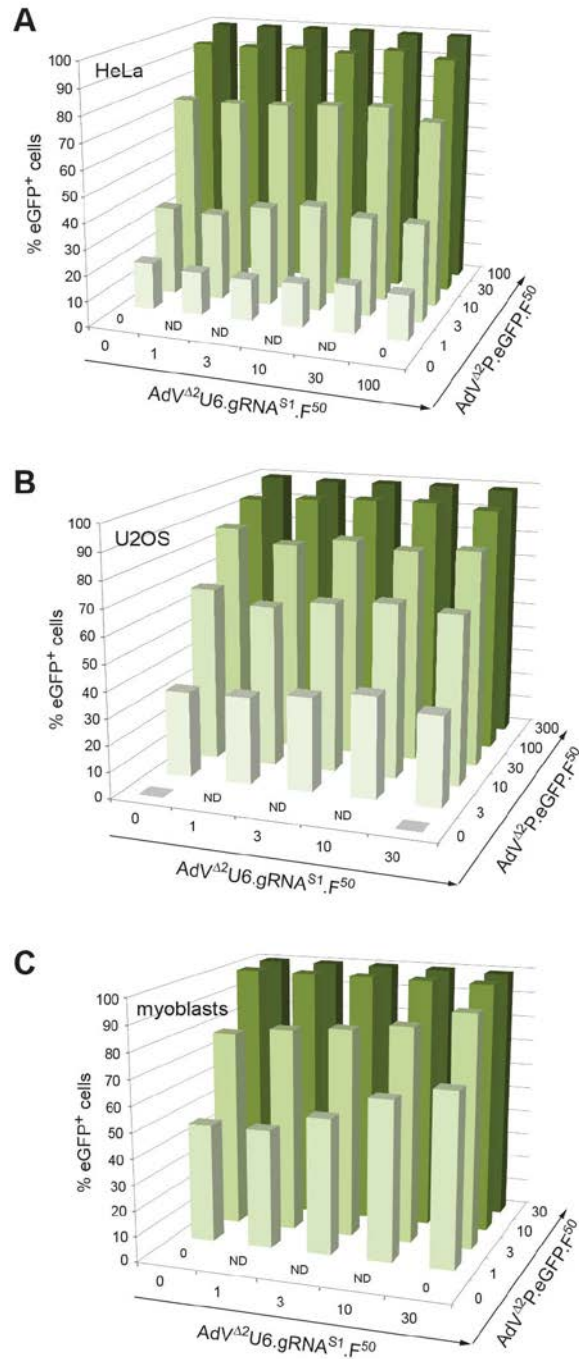


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Supplementary Fig. 1. Gene delivery activities in target cells co-transduced with AdV^{Δ2}U6.gRNAS1.F⁵⁰ and reporter vector AdV^{Δ2}P.eGFP.F⁵⁰. Flow cytometry-based quantification of transduction levels in cervix carcinoma HeLa cells (A), osteosarcoma U2OS cells (B) and human myoblasts (C) exposed to different combined dosages (in TU/cell) of AdV^{Δ2}P.eGFP.F⁵⁰ and AdV^{Δ2}U6.gRNA^{S1}.F⁵⁰. The transgene regulatory elements in the reporter vector AdV^{Δ2}P.eGFP.F⁵⁰ are the same as those in the Cas9-encoding vector AdV^{Δ2}P.Cas9.F⁵⁰. The experimental conditions were the same as those applied in transduction experiments with AdV^{Δ2}P.Cas9.F⁵⁰ and AdV^{Δ2}U6.gRNA^{S1}.F⁵⁰ (Figs. 4, 5 and 6, respectively). ND, not done.

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Temperature	Time
95 °C	10 min
95 °C to 85 °C	-2.0 °C/sec
85 °C	1 min
85 °C to 75 °C	-0.3 °C/sec
75 °C	1 min
75 °C to 65 °C	-0.3 °C/sec
65 °C	1 min
65 °C to 55 °C	-0.3 °C/sec
55 °C	1 min
55 °C to 45 °C	-0.3 °C/sec
45 °C	1 min
45 °C to 35 °C	-0.3 °C/sec
35 °C	1 min
35 °C to 25 °C	-0.3 °C/sec
25 °C	1 min
16 °C	Hold

Supplementary Table S1. Thermocycler denaturation and re-annealing program for the generation of heteroduplex amplicons corresponding to sequences spanning nuclease target sites (source: SURVEYOR[®] Mutation Detection Kit [Transgenomic]).