Electronic Supplementary Material (ESI) for RSC Advances.

Evaluation of DNA segments in 2'-modified RNA sequences in designing efficient splice switching antisense oligonucleotides

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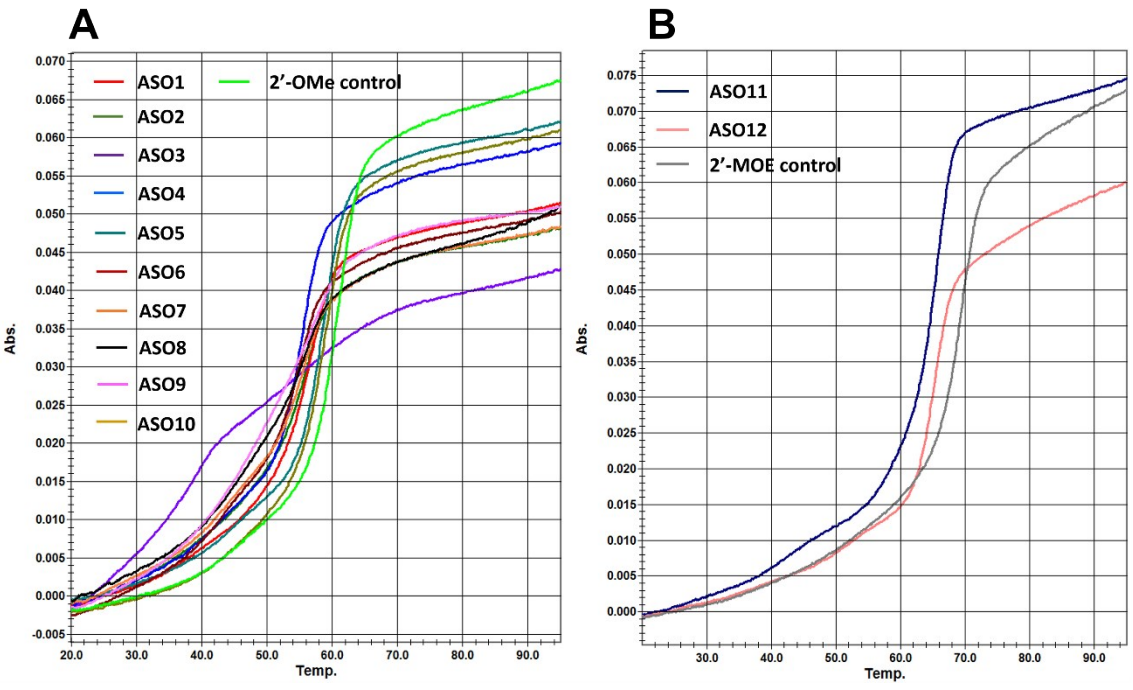

Figure S1. Melting curves analysis of the ASOs used in this study including ASO1-10 (A) and ASO11-12 (B).

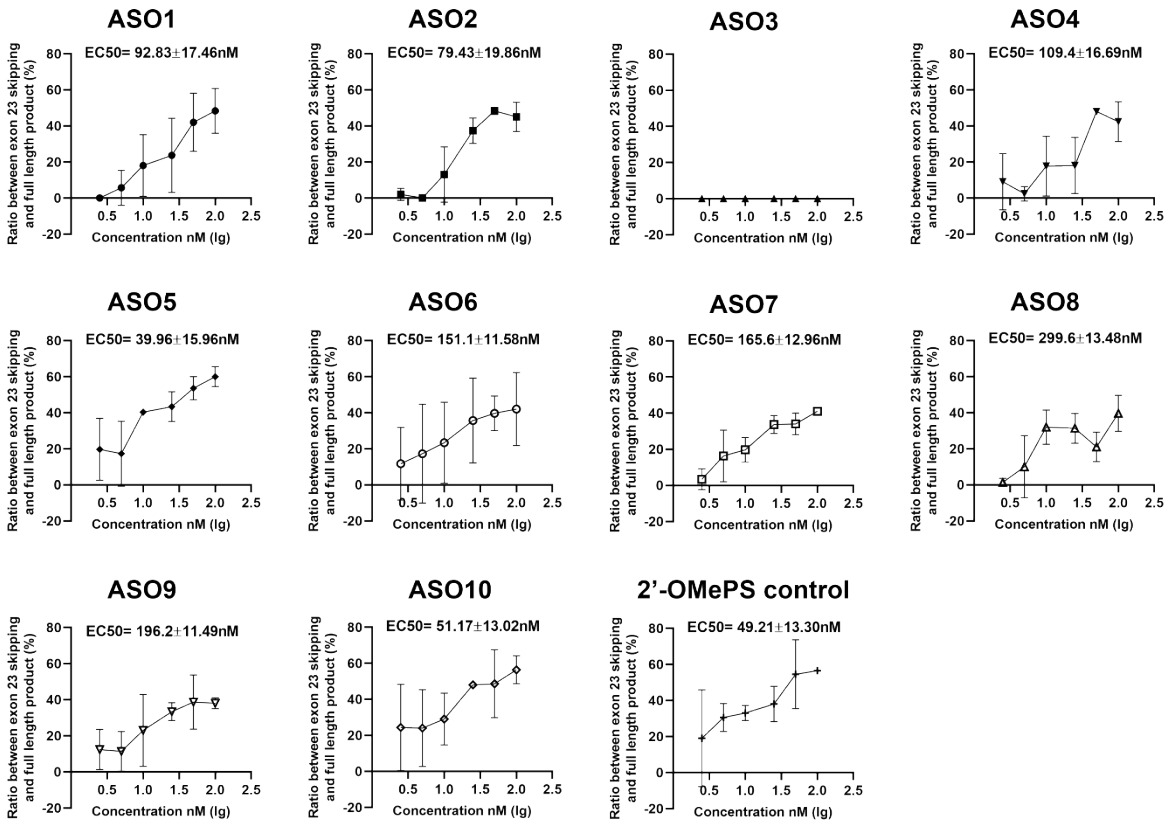

Figure S2. Evaluation of half maximal effective concentration (EC50) of ASO1-10 and 2'-OMePS control ASO used in this study. Error bars represent the standard deviation of mean. EC50 values were calculated based on three independent experimental data.

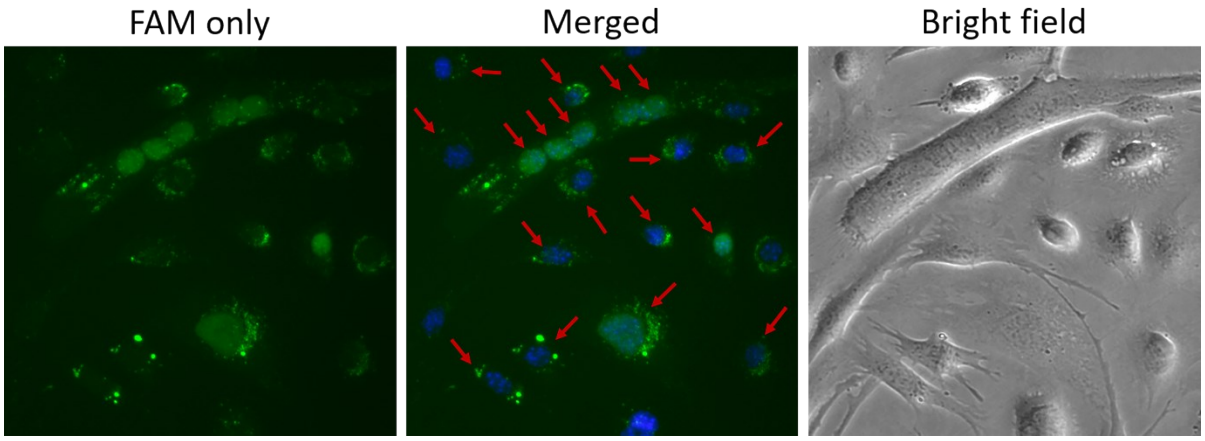

Figure S3. Cell internalization study of ASO10 in *H2K mdx* myotubes. Red arrows indicate nuclei with internalized fluorescent ASO10 (green dots); Merged: fluorescent image merged with nuclear staining;

Fluorescent ASO10 sequence: 5’-FAM-GGCCAAACCUCGGCUUACCT-3’), Black: 2’-OMe PS nucleotides, red: DNA PS nucleotides.