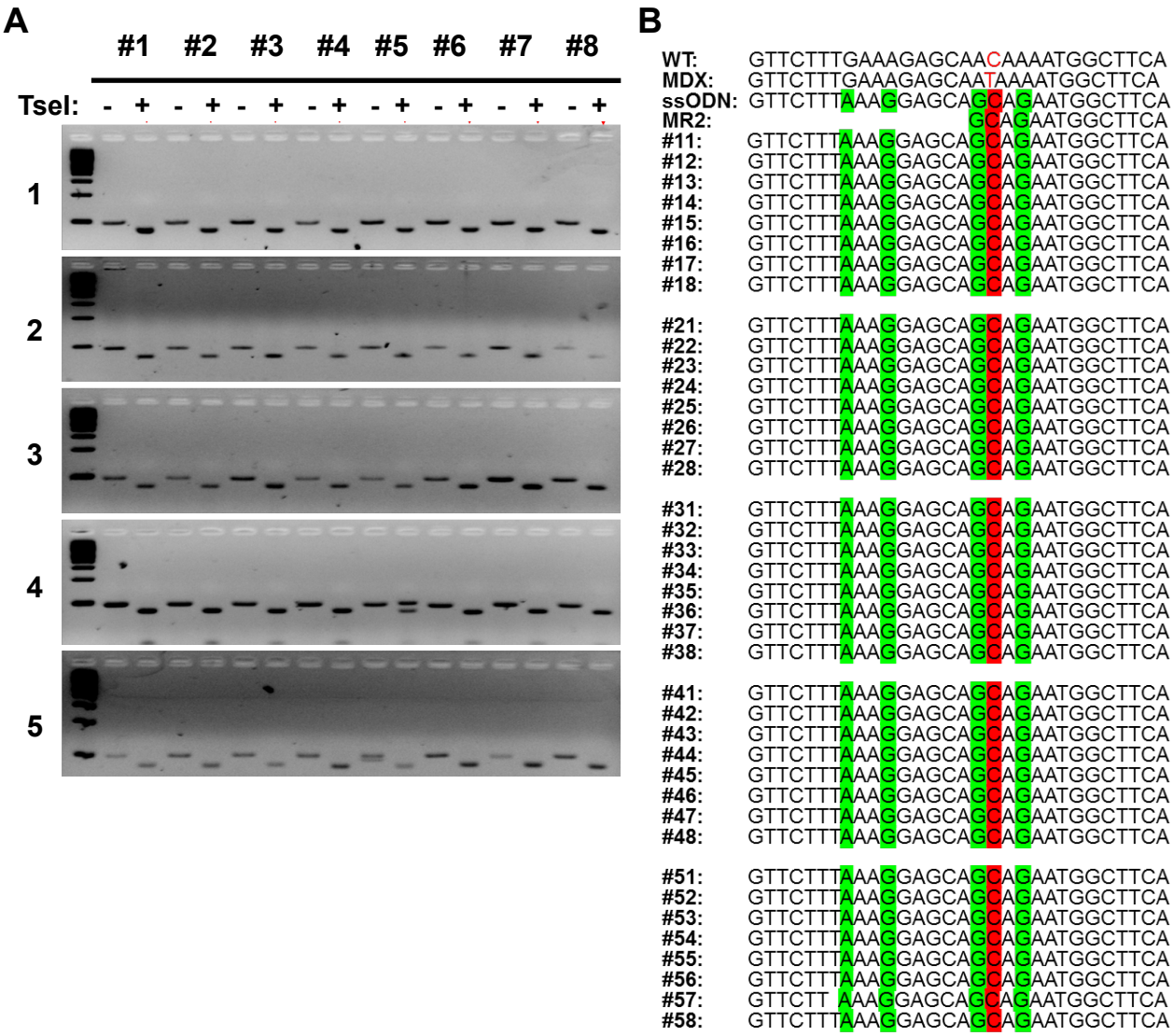
OMTN, Volume *7*

Supplemental Information

CRISPR/Cas9-Mediated Genome Editing Corrects Dystrophin Mutation in Skeletal Muscle Stem Cells in a Mouse Model of Muscle Dystrophy

Pei Zhu, Furen Wu, Jeffrey Mosenson, Hongmei Zhang, Tong-Chuan He, and Wen-Shu Wu



Supplementary Figure 1. HDR-mediated gene editing of *Dmd* in myofibroblasts of *mdx* mice.

(**A**) TseI digestion confirming HDR-mediated *Dmd* correction in myofibroblasts of *mdx* mice. Allele-specific PCR products from genomic DNA of cultured MuSC were sub-cloned into TOPO cloning vector, followed by colony-PCR with the same pair of allele-specific primers. PCR products from individual colonies were directly digested by TseI.

(**B**) Confirmation of HDR-mediated *Dmd* correction in cultured skeletal muscle-derived fibroblasts by DNA sequencing. TOPO clones referred in (A) were sequenced. Silent mutations were indicated with green letters. Point mutations were indicated with red letters.

Supplementary Figure 1

Primers	sequences (5'-3')
Mdx-F1	GACACTTTACCACCAATGCGCTATCAGGAG
Mdx-R1	GAGTCAGACATGGATGCAATGCCACC
LA-F	GAACATGTCTTATCAGTCAAGAGATC
SM-R2	CAGATAGTTGAAGCCATTCTGC
SM-R1	CCTCGATTTCCTCGAACTCA
Mdx-F2	CTCATCAAATATGCGTGTTAGTG
Mdx-R2	GGCAGCTTTCCACCAACTG
ssODN	G*A*A*GATAAATTAAAACTCCGAGACGTTTCAAGAAATTT CCTCGTCGTCTTACCGAAGTTGATAGACTCACTGTGACA CTTC*C*T*C

Supplementary Table 1