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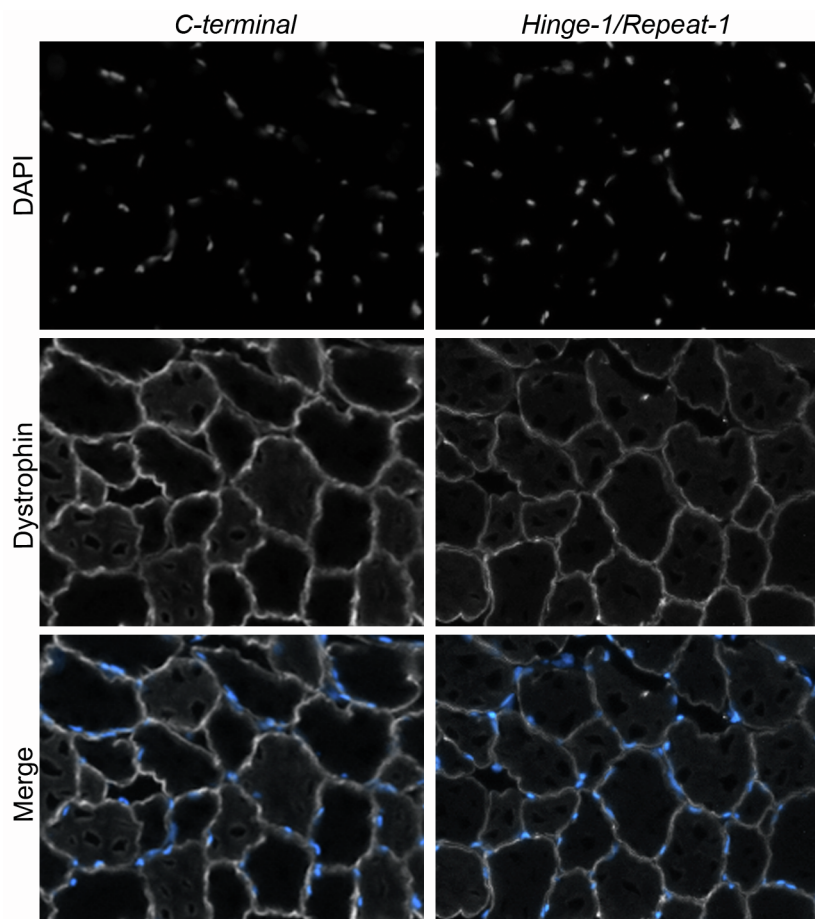
## **Supplemental Information**

### **Comparison of dystrophin expression following gene editing and gene replacement in an aged preclinical DMD animal model**

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## Supplemental data

### Supplemental Figures



**Figure S1:** Untreated WT canine cranial tibialis muscle samples exhibit near uniform distribution of dystrophin with no apparent central nucleation based on IF staining with both C-terminal (left panels) and Hinge-1/Repeat-1 (right panels) dystrophin antibodies on serial cross-sections.

## List of Canine Primers and Probes

### gRNA oligos

SAgRNA-intron 5	(Forward)	GTGTATGGTGACACCTACCAAT
SAgRNA-intron 5	(Reverse)	ATTGGTAGGTGTCACCATACAC
SAgRNA-intron 8	(Forward)	GAGCATCATCCCATATGAATGC
SAgRNA-intron 8	(Reverse)	GCATTCATATGGGATGATGCTC

### PCR primers

DMD Intron 5 ( $\Delta 6-8$ )	(Forward)	GTACACTCCTTCCTGCCATATC
DMD Intron 5	(Reverse)	CTTCCCTGAACAAGAACCACAC
DMD Intron 8	(Forward)	GTCCTTTCCAGGATCTTGACC
DMD Intron 8 ( $\Delta 6-8$ )	(Reverse)	AAGACTGCTTTCCACACAG
GAPDH Intron 2	(Forward)	CAATGCCCTCCCTTGGTCC
GAPDH Exon 3	(Reverse)	TCCTGGAAGATGGAGATGGACTTC

### RT-PCR Primers

DMD Exon 4 (RT $\Delta 6-8/9$ )	(Forward)	GCCCTGAACAATGTCAACAAGG
DMD Exon 10 (RT $\Delta 6-8/9$ )	(Reverse)	GCTTCGGTCTCTGTCAATGAC
GAPDH Exon 2	(Forward)	CTGGCAAAGTGGATATTGTCGC

### Digital PCR primers/probes

HK:DMD Intron 8	(Forward)	GTCCTTTCCAGGATCTTGACC
HK:DMD Intron 8	(Reverse)	GGTATGAGGGTGGGATTGAAC
HK:DMD Intron 8 (HEX)	(- strand)	CTCTGAACCTCTGAACCCAAAGTAAACAAA
$\Delta 6-8$ :DMD Intron 5	(Forward)	GTACACTCCTTCCTGCCATATC
$\Delta 6-8$ :DMD Intron 8	(Reverse)	GGTATGAGGGTGGGATTGAAC
$\Delta 6-8$ :DMD Intron 5 (FAM)	(- strand)	CACACGTTTAACATCACTCCTAGATTCTGC

### Digital RT-PCR primers/probes

RT-HK:DMD Exon 28/29	(Forward)	CGAGGTGCTTGATTGCTTGA
RT-HK:DMD Exon 29/30	(Reverse)	CCTCCTCACAGCCTCTTCATG
RT-HK:DMD Exon 29 (HEX)	(- strand)	CATCCATGACTCCACCATCTGTCAAGGTCT
RT- $\Delta 6-8$ :DMD Exon 4	(Forward)	ACAATGTCAACAAGGCACTGC
RT- $\Delta 6-8$ :DMD Exon 9	(Reverse)	GCTTAGGAGAGGAAGGGGCT
RT- $\Delta 6-9$ :DMD Exon 10	(Reverse)	TGCTTCGGTCTCTGTCAATGAC
RT- $\Delta 6-8$ :DMD Exon 5/9 (FAM)	(+ strand)	ATCCTCCACTGGCAGATCACAGTCAGTC
RT- $\Delta 6-9$ :DMD Exon 5/10 (FAM)	(+ strand)	CCTCCACTGGCAGCATTGGAAACTCCT