

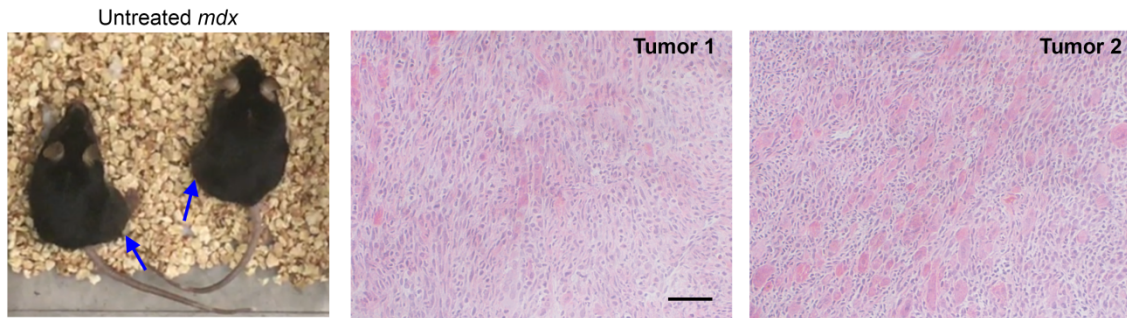
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Supplemental Information

**Life-Long AAV-Mediated CRISPR Genome Editing
in Dystrophic Heart Improves Cardiomyopathy
without Causing Serious Lesions in *mdx* Mice**

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1 **Supplementary Figures**



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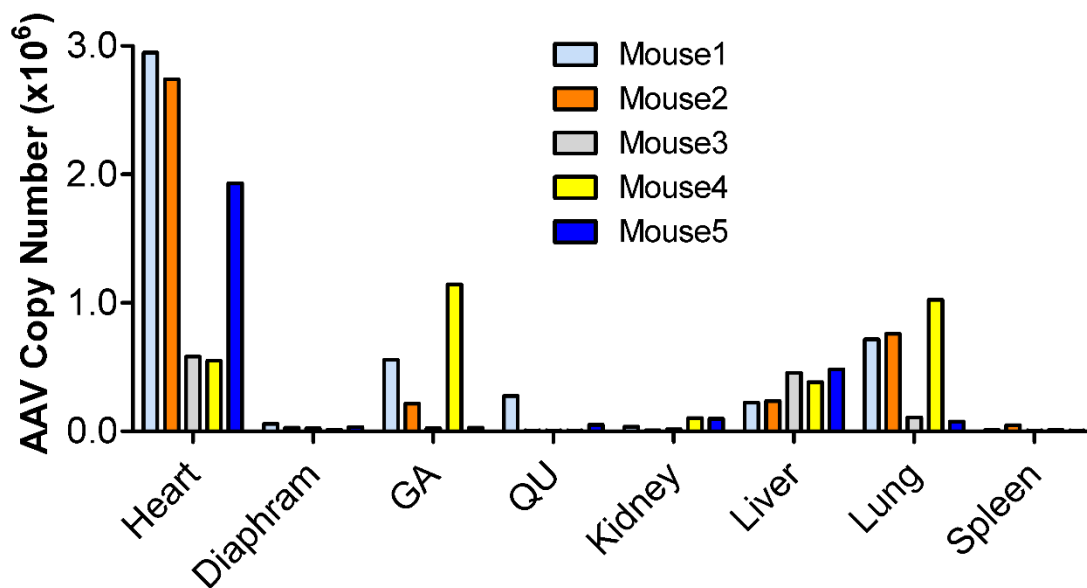
3 **Suppl. Fig. 1.** H&E images of the spontaneous rhabdomyosarcoma developed in two control
4 *mdx* mice at 19 months of age.

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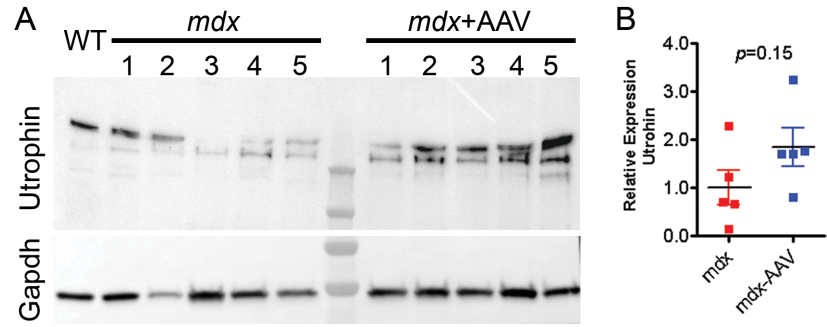
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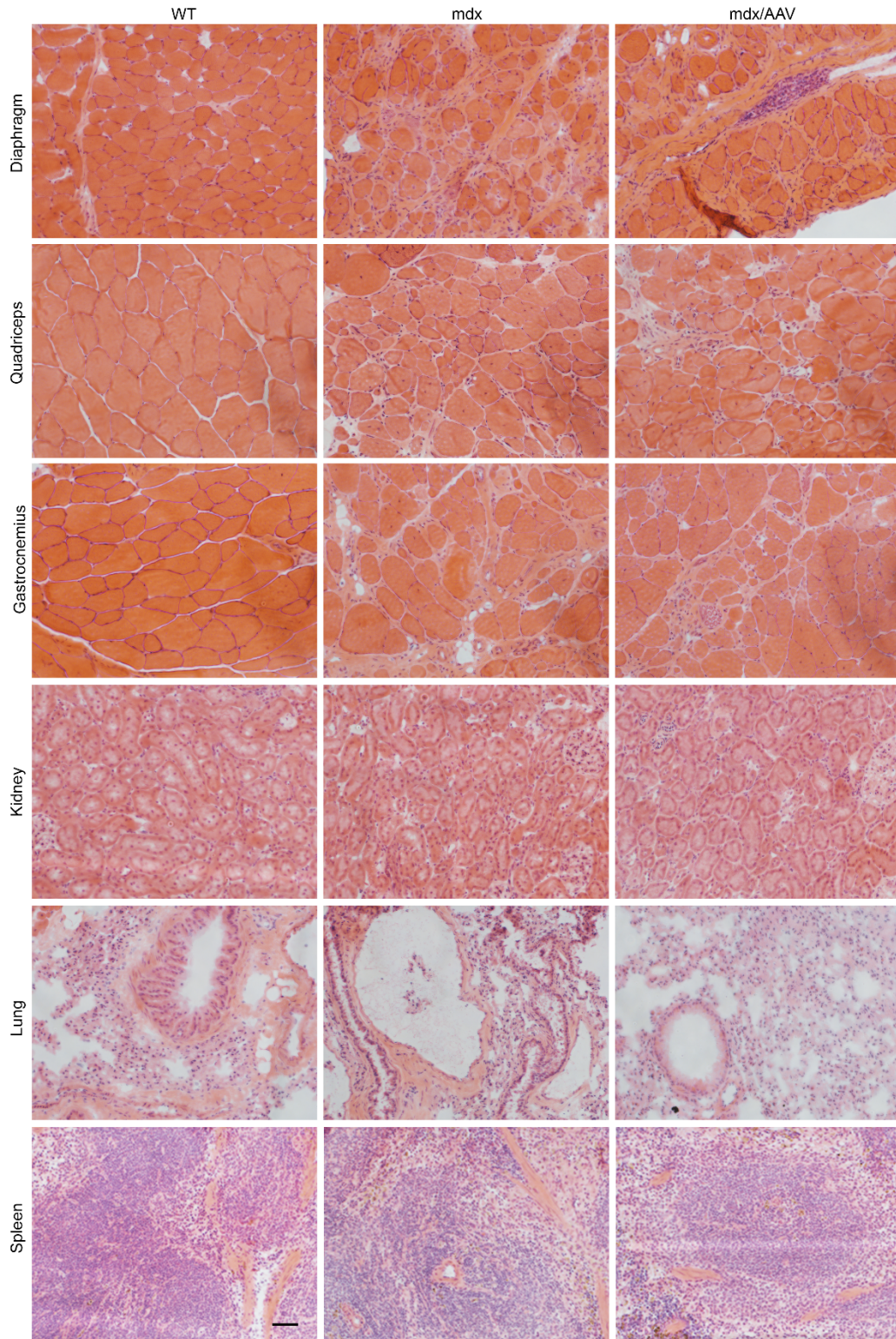
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10 **Suppl. Fig. 2.** Quantification of AAV copy numbers in various tissues of individual AAV-
11 treated *mdx* mice at 19 months of age.



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Suppl. Fig. 3. A. Western blot analysis of utrophin expression in heart lysates from 19-month-old WT and *mdx* mice treated with or without rAAV-CRISPR (1×10^{12} vg, i.p. at day3). Gapdh was used as a gel loading control. B. Densitometry quantification of relative expression of total dystrophin on Western blot.



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2 **Suppl. Fig. 4.** H&E staining of tissue cryosections from the WT and *mdx* mice with or without

3 rAAV-CRISPR at 19 months of age. Scale bar, 50 μ m.