densitometric analysis. Values are represented as fold increase with respect to PBS-injected mice. Data are expressed as means ± SD (n=5). *P < 0.05.

Supplementary Figure 1

Northern blot analysis of the P104L mutant CAV-3 transgene and mutant myostatin (prodomain) transgene in skeletal muscle from mice at 10 weeks of age. The mutant caveolin-3 probe also detects bands corresponding to endogenous caveolin-3. The expression levels of the mutant caveolin-3 transgene and the prodomain transgene are not affected mutually in the double-Tg mice. mutant CAV-3 Tg, CAV-3\textsuperscript{P104L}; mutant MSTN Tg, MSTN\textsuperscript{Pro}; Double-Tg, CAV-3\textsuperscript{P104L}/MSTN\textsuperscript{Pro}.

Supplementary Figure 2

Offspring with the indicated genotypes at 10 weeks of age. Bar, 1 cm. mutant CAV-3 Tg, CAV-3\textsuperscript{P104L}; mutant MSTN Tg, MSTN\textsuperscript{Pro}; Double-Tg, CAV-3\textsuperscript{P104L}/MSTN\textsuperscript{Pro}.

Supplementary Figure 3 (Video presentation)

Impaired running ability in caveolin-3 mutant mice is improved by the inhibition of myostatin. Treadmill exercise test in wild-type (W), mutant caveolin-3 Tg (C), double-Tg (D), and mutant myostatin Tg (M) mice at 10 weeks of age.
Supplementary Figure 1
Supplementary Figure 2