Dmd-Q995X

系統名	C57BL/6Smoc-*Dmd*$^{em1(Q995X)Smoc}$
SMOC番号	NM-KI-18026
維持形態	Repository Live

遺伝子の概要

Gene Symbol **Dmd**	**Synonyms**	dys; mdx; pke; Dp71; Dp427; DXSmh7; DXSmh9
	NCBI ID	13405
	MGI ID	94909
	Ensembl ID	ENSMUSG00000045103
	Human Ortholog	DMD

説明

These mice carry a p.Q995X mutation in Dmd gene.
*Literature published using this strain should indicate: Dmd-Q995X mice (Cat. NO. NM-KI-18026) were purchased from Shanghai Model Organisms Center, Inc..

病気の予測

Duchenne muscular dystrophy	**表現型**	MGI:2176876
	参考文献	Moore K, et al., Research News (Dmd). Mouse News Lett. 1981;64:61

表現型デ□タ

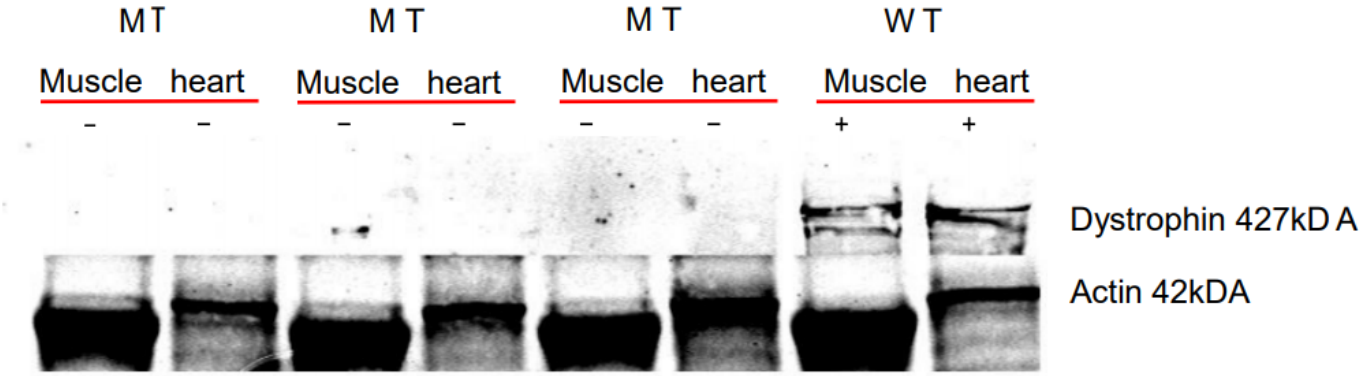

Fig1 Mouse dystrophin expression is abolished due to the p.Q995X mutation.

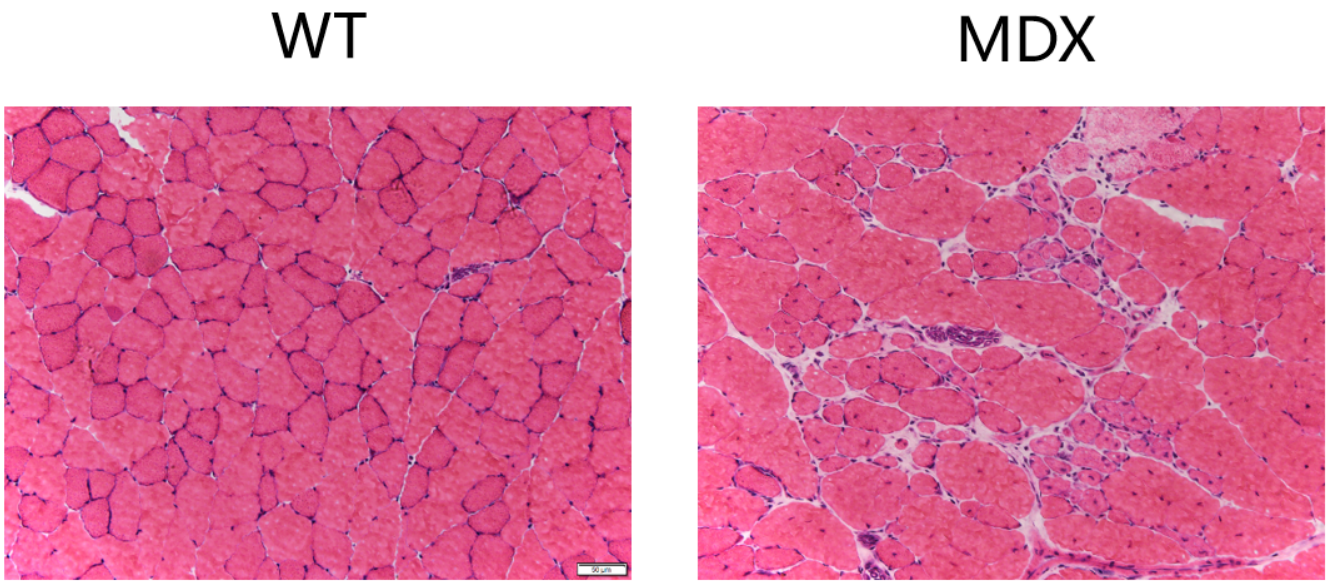

Fig2 Histopathology of WT and MDX mice(male, 6-month-old) muscle showing less uniform muscle fibers with inflammation and clustered nuclei.

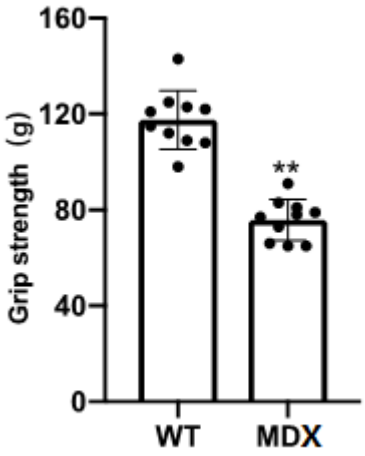

Fig3 Limb grip strength tests in MDX mice.

The assessment of limb strength in experimental mice were performed by means of grip strength

meter (BIO-G53, Bioseb, France). The mice were allowed to grab the pull bar and are then gently pulled backwards. The force applied to the bar just before it loses grip was recorded as peak resistance force (expressed in grams). To reduced procedure-related variability, the tests were repeated 4 to 5 times and the average was recorded.