

	<i>MSTN</i> ^{+/+}	<i>MSTN</i> ^{+/-}	<i>MSTN</i> ^{-/-}
Body mass (g)	33.5±0.3	37.2±0.9	36.6±1.8
Serum myostatin (ng/mL)	8.00±0.45	5.65±0.23*	ND
<i>EDL Muscles</i>			
Wet mass (mg)	9.1±0.3	12.8±0.2*	15.4±0.9*#
L _f (mm)	5.4±0.1	5.7±0.1	5.9±0.1*
L _o (mm)	12.4±0.3	13.0±0.2	13.5±0.2*
PCSA (mm ²)	1.6±0.1	2.1±0.1*	2.5±0.1*#
P _t (mN)	64.3±12.6	130.8±8.2*	127.0±9.9*
sP _t (mN/mm ²)	40.0±7.1	62.1±4.2	53.3±6.0
dP/dt (mN/ms)	5.7±1.2	11.4±0.8*	12.2±1.1*
TTPT (ms)	22.4±1.9	24.3±2.6	18.6±2.2
1/2 RT (ms)	27.3±2.0	16.1±0.5*	15.5±0.6*
P _o (mN)	293.1±12.8	433.6±12.2*	379.5±34.7*
sP _o (mN/mm ²)	186.2±4.8	205.9±7.5	159.7±19.8
Stretch 1 Force Deficit (% of P _o)	13.6±1.4	14.3±0.9	14.1±1.3
Stretch 2 Force Deficit (% of P _o)	30.9±5.0	29.2±1.6	28.4±2.1
<i>Soleus Muscles</i>			
Wet mass (mg)	9.2±0.6	9.1±0.5	13.8±1.8*#
L _f (mm)	7.9±0.1	7.7±0.2	8.2±0.1
L _o (mm)	11.1±0.1	10.9±0.3	11.5±0.2
PCSA (mm ²)	1.1±0.1	1.1±0.1	1.6±0.2*#
P _t (mN)	23.6±5.2	42.7±0.8	45.6±10.0
sP _t (mN/mm ²)	21.5±4.4	38.5±1.8	30.9±6.7
dP/dt (mN/ms)	1.2±0.2	2.8±0.1*	3.1±0.7*
TTPT (ms)	41.1±5.9	29.2±0.5*	27.6±1.8*
1/2 RT (ms)	56.2±5.9	35.0±1.4*	33.9±3.9*
P _o (mN)	144.3±31.3	244.0±11.7*	255.0±38.5*
sP _o (mN/mm ²)	128.4±24.2	218.4±6.1*	168.3±25.1
Stretch 1 Force Deficit (% of P _o)	20.4±2.4	15.5±1.9	18.9±4.4
Stretch 2 Force Deficit (% of P _o)	23.0±4.1	19.0±2.4	24.0±5.8

Supplemental Table 1. Morphological and contractile properties measurements. Values are mean±SE; N=6 mice per genotype. For all measures except serum myostatin levels, differences were tested using a one-way ANOVA followed by Fisher LSD post-hoc sorting. For serum myostatin levels, since myostatin was not detectable (ND) in *MSTN*^{-/-} mice, we performed a t-test. *, significantly different from *MSTN*^{+/+} (P<0.05). #, significantly different from *MSTN*^{+/-} (P<0.05).