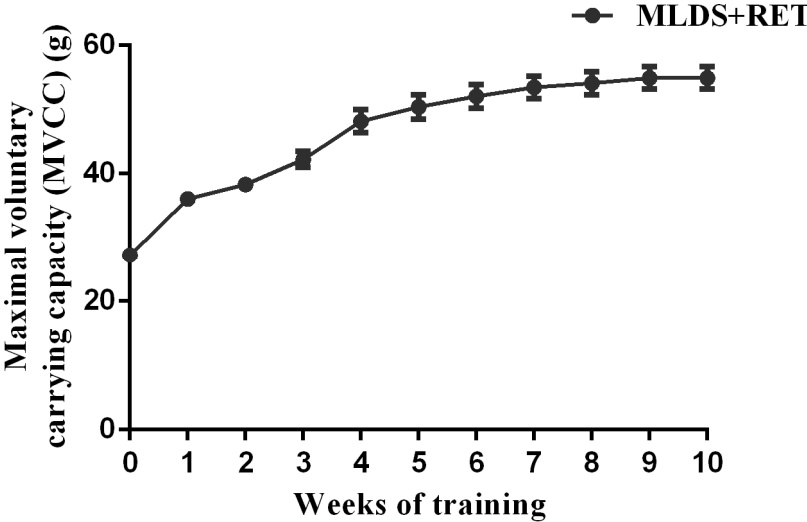
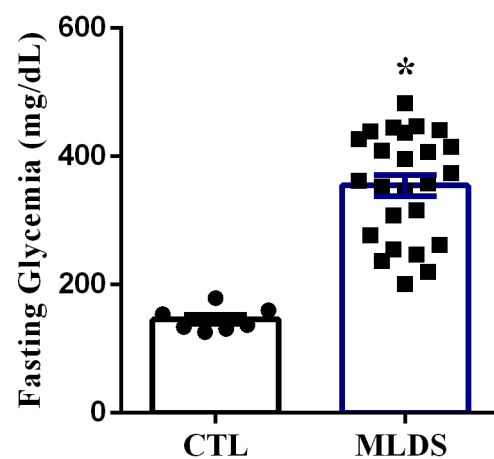


Supplementary Material



**Figure S1.** Maximal carrying load per week over the course of 10 weeks of the training program from MLDS+RET mice (n=13). Data are the mean  $\pm$  SEM.



**Figure S2.** Fasting glycemia of CTL (n=7) and MLDS (n=25) mice, twelve days after the last streptozotocin administration. Data are the mean  $\pm$  SEM. (\*) Indicate statistical difference between groups,  $P \leq 0.05$  (Student's T test).

**Table S1.** Final characterization of Control (CON n=6-7) and Resistance exercise training (RET n=6-7) mice. (\*) Indicate statistic difference between groups. Data are presented as the mean  $\pm$  SEM (Student's T test).

	CON	RET
<b>Maximal voluntary carrying capacity (MVCC) (g)</b>	42.63 $\pm$ 2.01	68.34 $\pm$ 1.60*
<b>Body weight (g)</b>	30.99 $\pm$ 1.36	26.57 $\pm$ 1.06*
<b>Gastrocnemius (% body weight)</b>	0.9157 $\pm$ 0.02	1.010 $\pm$ 0.01*
<b>Soleus (% body weight)</b>	0.1483 $\pm$ 0.007	0.1950 $\pm$ 0.007*

**Table S2.** Primer sequences for real-time qPCR assays.

Gene	Forward (5' – 3')	Reverse (3' – 5')
<b>GLUT2</b>	AGGTGACTGGGTCTCATTGGTG	CCTTCTTAACCAAGGCTGCGT
<b>GCK</b>	AGAAGCACCGACTGTGACTG	TGCTGAGCTGTGAGGAACTG
<b>HPRT</b>	TCCTCATGGACTGATTATGGACA	TAATCCAGCAGGTCAGCAAAGA

GLUT2: Glucose transporter 2; GCK: Glucokinase; HPRT: Hypoxanthine-guanine phosphoribosyltransferase.