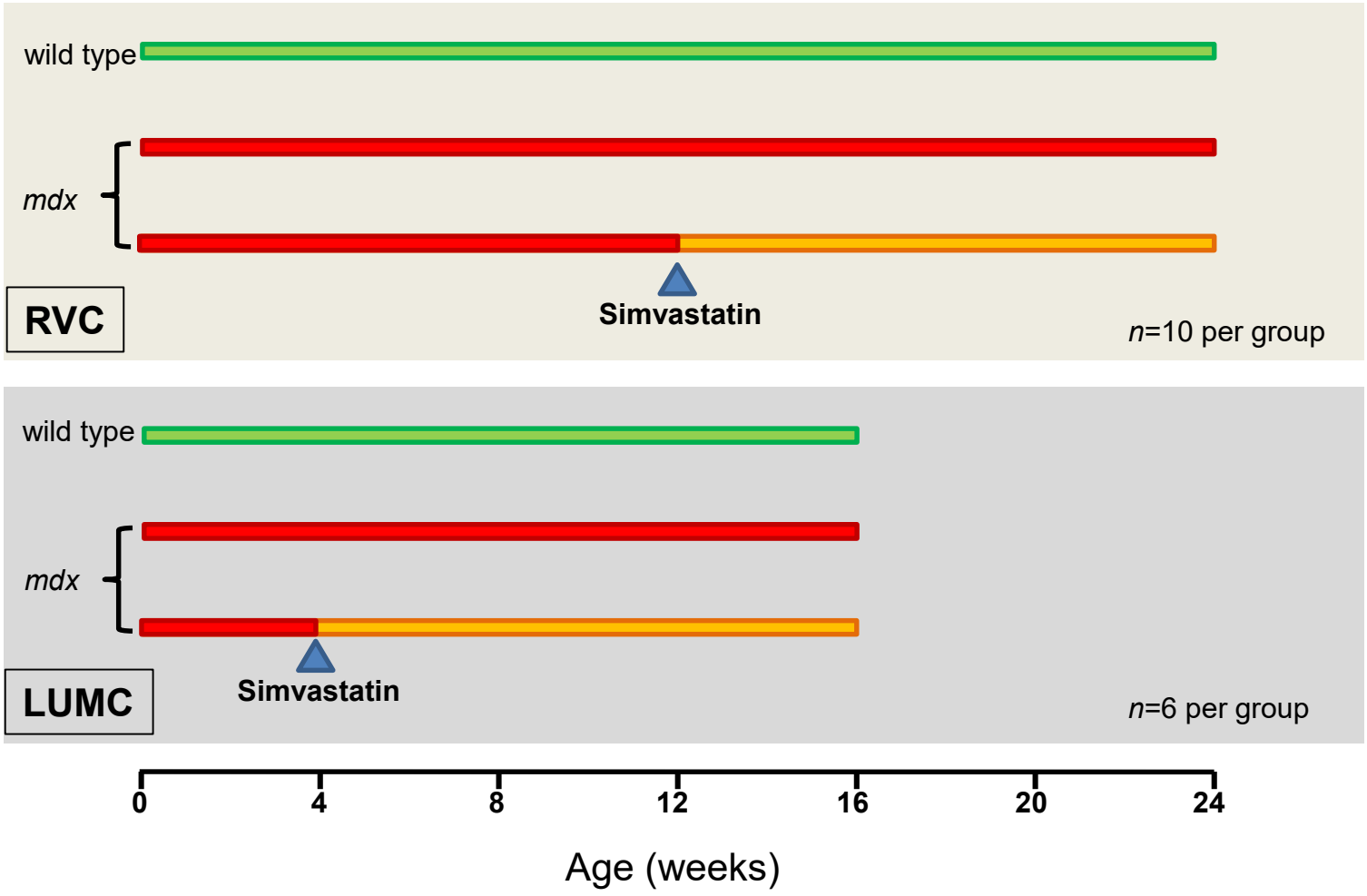

Fig. S1 Study set-up used at the RVC and LUMC, respectively

Table S1. Outcome measures at the RVC and LUMC

Outcome measure	RVC	LUMC
Functional performance	Measured	Not measured
Respiratory function analysis	Not measured	Measured
Muscle physiology diaphragm	Measured	Measured
Muscle physiology tibialis anterior	Measured	Not measured
Simvastatin plasma levels	Measured	Measured
Hydroxyproline assay diaphragm	Measured	Not measured
Histology diaphragm	Not measured	Measured
Gene expression	Measured	Measured
Protein analysis	Not measured	Measured

Table S2. Primer sequences used for gene expression analysis

Gene	Full name	Primer	Sequence (5' - 3') - RVC
Hmbs	Hydroxymethylbilane synthase	forward	TCCCTGAAGGATGTGCCTAC
		reverse	AAGGGTTTTCCCGTTTGC
Fbxo38	F-box protein 38		Primerdesign [1]
Cdc40	Cell division cycle 40		Primerdesign [1]
Fbxo32	F-box protein 32 (Atrogin-1) [2]	forward	GCAAACACTGCCACATTCTCTC
		reverse	CTTGAGGGGAAAGTGAGACG
Cd68	Cluster of differentiation 68 [3]	forward	CTTCGGGCCATGTTTCTCT
		reverse	AGAGGGGCTGGTAGGTTGAT
Col1a1	Collagen, type I, alpha 1 [4]	forward	ACGGCTGCACGAGTCACAC
		reverse	GGCAGGCGGGAGGTCTT
Col3a1	Collagen, type III, alpha 1 [4]	forward	GTTCTAGAGGATGGCTGTACTAAACACA
		reverse	TTGCCTTGCGTGTTTGATATTC
Lgals3	Lectin, galactoside binding soluble 3 [5]	forward	CAACCATCGGATGAAGAACC
		reverse	CTGCCGCATAGGTGTCATAA
Map1lc3b	Microtubule-associated protein 1 light chain 3 beta (LC3B) [6]	forward	GACGGCTTCCTGTACATGGTTT
		reverse	TGGAGTCTTACACAGCCATTGC
Myh3	Myosin, heavy polypeptide 3, skeletal muscle, embryonic [7]	forward	CTTCACCTCTAGCCGGATGGT
		reverse	AATTGTCAGGAGCCACGAAAAT
Myh8	Myosin, heavy polypeptide 8, skeletal muscle, perinatal [7]	forward	CAGGAGCAGGAATGATGCTCTGAG
		reverse	AGTTCCTCAAACTTTCAGCAGCCAA
Myh7	Myosin, heavy polypeptide 7, cardiac muscle, beta ($MyHC_{Iβ}$) [7]	forward	CTCAAGCTGCTCAGCAATCTATTT
		reverse	GGAGCGCAAGTTTGTCATAAGT
Myh1	Myosin, heavy polypeptide 1, skeletal muscle, adult ($MyHC_{IIx}$) [7]	forward	GAGGGACAGTTCATCGATAGCAA
		reverse	GGGCCAACTTGTCATCTCTCAT
Myh2	Myosin, heavy polypeptide 2, skeletal muscle, adult ($MyHC_{IIa}$) [7]	forward	AGGCGGCTGAGGAGCACGTA
		reverse	GCGGCACAAGCAGCGTTGG
Myh4	Myosin heavy chain 4, skeletal muscle ($MyHC_{IIb}$) [7]	forward	CACCTGGACGATGCTCTCAGA
		reverse	GCTCTTGCTCGGCCACTCT
Nox2	NADPH oxidase 2 [8]	forward	CCCTTTGGTACAGCCAGTGAAGAT
		reverse	CAATCCCGGCTCCCACTAACATCA
Nox4	NADPH oxidase4 [8]	forward	GGATCACAGAAGGTCCCTAGCAG
		reverse	GCGGCTACATGCACACCTGAGAA

References

[1] Hildyard JCW, Finch AM, Wells DJ. Identification of qPCR reference genes suitable for normalizing gene expression in the mdx mouse model of Duchenne muscular dystrophy. PLoS One. 2019;14(1):e0211384.
[2] Wang H, Liu D, Cao P, Lecker S, Hu Z. Atrogin-1 affects muscle protein synthesis and degradation when energy metabolism is impaired by the antidiabetes drug berberine. Diabetes. 2010;59(8):1879-89.
[3] Aartsma-Rus A, Spitali P. Circulating Biomarkers for Duchenne Muscular Dystrophy. J Neuromuscul Dis. 2015;2(s2):S49-S58.
[4] Kenyon NJ, Ward RW, McGrew G, Last JA. TGF-beta1 causes airway fibrosis and increased collagen I and III mRNA in mice. Thorax. 2003;58(9):772-7.
[5] t Hoen PA, van der Wees CG, Aartsma-Rus A, Turk R, Goyenvalle A, Danos O, et al. Gene expression profiling to monitor therapeutic and adverse effects of antisense therapies for Duchenne muscular dystrophy. Pharmacogenomics. 2006;7(3):281-97.
[6] Sakuma K, Kinoshita M, Ito Y, Aizawa M, Aoi W, Yamaguchi A. p62/SQSTM1 but not LC3 is accumulated in sarcopenic muscle of mice. J Cachexia Sarcopenia Muscle. 2016;7(2):204-12.
[7] Zhou Y, Liu D, Kaminski HJ. Myosin heavy chain expression in mouse extraocular muscle: more complex than expected. Invest Ophthalmol Vis Sci. 2010;51(12):6355-63.
[8] Kim KS, Choi HW, Yoon HE, Kim IY. Reactive oxygen species generated by NADPH oxidase 2 and 4 are required for chondrogenic differentiation. J Biol Chem. 2010;285(51):40294-302.