

SUPPLEMENTARY TABLE S1. Overview of hindlimb muscle weight, by sex and group, and P-Value for sex and group effects.

Muscle Weight Wet/Body Weight ratio for SOL, EDL and Tibialis anterior muscles at P8, P15, P21 and P28.

Data are mean \pm S.E.M. Values were compared with a two-way ANOVA with Tukey post-hoc test.

[#]p<0.05, ^{###}p<0.001 vs. CTRL of the same sex.

		CTRL male	CTRL female	SMR male	SMR female	P value (sex effect)	P value (group effect)
SOL	P8	0.22 \pm 0.01	0.19 \pm 0.01	0.13 \pm 0.01 ^{###}	0.17 \pm 0.01	0,7095	0,0001
	P15	0.31 \pm 0.02	0.31 \pm 0.03	0.21 \pm 0.02 [#]	0.21 \pm 0.02 [#]	0,8772	<0,0001
	P21	0.40 \pm 0.02	0.43 \pm 0.02	0.25 \pm 0.02 ^{###}	0.27 \pm 0.01 ^{###}	0,1716	<0,0001
	P28	0.43 \pm 0.02	0.46 \pm 0.03	0.26 \pm 0.01 ^{###}	0.28 \pm 0.02 ^{###}	0,2336	<0,0001
EDL	P8	0.27 \pm 0.01	0.26 \pm 0.01	0.27 \pm 0.01	0.26 \pm 0.01	0,2642	0,9807
	P15	0.33 \pm 0.01	0.33 \pm 0.02	0.35 \pm 0.02	0.33 \pm 0.02	0,6885	0,7463
	P21	0.45 \pm 0.02	0.45 \pm 0.01	0.33 \pm 0.02 ^{###}	0.37 \pm 0.01 ^{###}	0,1081	<0,0001
	P28	0.49 \pm 0.01	0.50 \pm 0.01	0.47 \pm 0.02	0.45 \pm 0.01	0,7755	0,0221
TA	P8	0.90 \pm 0.02	0.88 \pm 0.02	0.94 \pm 0.03	0.97 \pm 0.04	0,8953	0,0207
	P15	1.21 \pm 0.03	1.19 \pm 0.04	1.19 \pm 0.03	1.12 \pm 0.05	0,6746	0,0427
	P21	1.50 \pm 0.04	1.53 \pm 0.02	1.31 \pm 0.04	1.36 \pm 0.12	0,4954	<0,0001
	P28	1.82 \pm 0.03	1.89 \pm 0.04	1.62 \pm 0.07 [#]	1.61 \pm 0.03 ^{###}	0,7427	<0,0001