

Table S1. Wet muscle weight ratio (%).

	MTMs	MSCs	Control	P
2 weeks	67.17±6.79	58.83±5.31	53.00±7.67	0.04 ⁺ 0.007 [#] 0.16 ^{&}
4 weeks	48.17±8.21	46.50±6.41	42.50±7.92	0.70 ⁺ 0.25 [#] 0.36 ^{&}
24 weeks	22.83±6.52	22.17±5.74	20.67±5.50	0.86 ⁺ 0.55 [#] 0.65 ^{&}

Data are reported as means±SD. MTMs: MyoG-transfected MSCs; MSCs: muscle satellite cells. ⁺MTMs vs MSCs; [#]MTMs vs vehicle control; [&]MSCs vs vehicle control (Student's *t*-test).

Table S2. Cross-sectional area of muscle fibers (μm^2).

	MTMs	MSCs	Control	P
2 weeks	2.63×103±0.39×103	1.99×103±0.58×103	1.57×103±0.47×103	0.049 ⁺ 0.002 [#] 0.21 ^{&}

MTMs: MyoG-transfected MSCs; MSCs: muscle satellite cells. ⁺MTMs vs MSCs; [#]MTMs vs vehicle control; [&]MSCs vs vehicle control (Student's *t*-test).

Table S3. Expression levels of MyoG normalized to GAPDH levels ($2^{-\Delta\Delta\text{CT}}$).

	MTMs	MSCs	Control	P
2 weeks	3.18±1.13	1.41±0.65	1.03±0.19	0.04 ⁺ 0.01 [#] 0.31 ^{&}
4 weeks	0.44±0.08	0.44±0.22	0.27±0.09	0.98 ⁺ 0.03 [#] 0.21 ^{&}
24 weeks	0.23±0.10	0.22±0.11	0.24±0.08	0.90 ⁺ 0.89 [#] 0.79 ^{&}

MTMs: MyoG-transfected MSCs; MSCs: muscle satellite cells. ⁺MTMs vs MSCs; [#]MTMs vs vehicle control; [&]MSCs vs vehicle control (Student's *t*-test).