

Table S3. Summary of genetic data demonstrating intrinsic (myogenic) and extrinsic (fibroblast-mediated) regulation of MyHC levels by Tcf4

Genotype	Quadriceps			Tibialis anterior			Diaphragm		
	MyHC I	MyHC IIb	MyHC emb	MyHC I	MyHC IIb	MyHC emb	MyHC I	MyHC IIb	MyHC emb
P0 Germline Tcf4 LOF <i>Tcf4</i> ^{GFP Cre/GFP Cre} versus <i>Tcf4</i> ^{+/+}	0.76 ↓↓	—	1.76 ↑↑	0.67 ↓↓	0.34 ↓↓	1.34 ↑	0.48 ↓↓	0.71 ↓	2.11 ↑↑
P0 Myogenic Tcf4 LOF <i>Pax3</i> ^{Cre/+} ; <i>Tcf4</i> ^{del/fl} versus <i>Pax3</i> ^{+/+} ; <i>Tcf4</i> ^{fl/+}	0.63 ↓↓	0.66 ↓↓	—	0.26 ↓↓	0.54 ↓↓	—	0.43 ↓↓	0.32 ↓↓	1.79 ↑↑
P0 Fibroblast Tcf4 LOF <i>Tcf4</i> ^{GFP Cre+neo/fl} versus <i>Tcf4</i> ^{fl/+}	0.82 ↓↓	—	—	0.84 ↓	0.35 ↓	—	—	0.53 ↓↓	2.50 ↑
6 wk Fibroblast Tcf4 LOF <i>Tcf4</i> ^{GFP Cre+neo/fl} versus <i>Tcf4</i> ^{+/+}	—	—	2.30 ↑↑	—	1.30 ↑↑	1.54 ↑↑	—	0.36 ↓↓	5.13 ↑

Increase Ave MHC transcript level in mutant ≥ 1.3 , * $p < 0.05$
Ave MHC transcript level in control

Increase Ave MHC transcript level in mutant ≥ 1.3 , $.05 < p < 0.09$
Ave MHC transcript level in control

Increase Ave MHC transcript level in mutant ≥ 2.5 , but $p > 0.09$
Ave MHC transcript level in control

— No significant change

= Ave MHC transcript level in mutant
Ave MHC transcript level in control

Decrease Ave MHC transcript level in mutant ≤ 0.80 , * $p < 0.05$
Ave MHC transcript level in control

Decrease Ave MHC transcript level in mutant ≤ 0.80 , $.05 < p < 0.09$
Ave MHC transcript level in control

Decrease Ave MHC transcript level in mutant $\leq .35x$, but $p > 0.09$
Ave MHC transcript level in control