

# Supplementary Materials: Transthyretin: A Transporter Protein Essential for Proliferation of Myoblast in the Myogenic Program

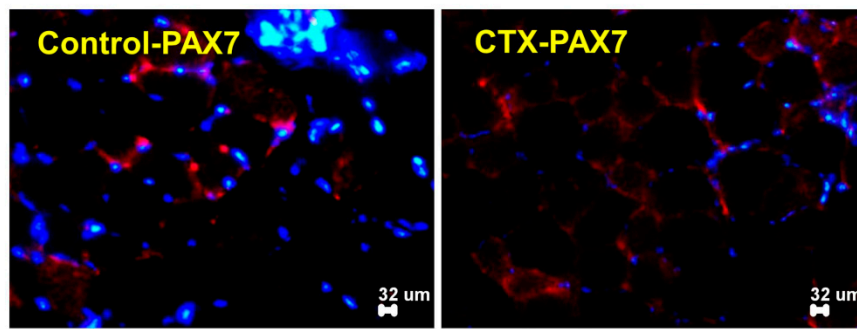
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Table S1. shRNA information.

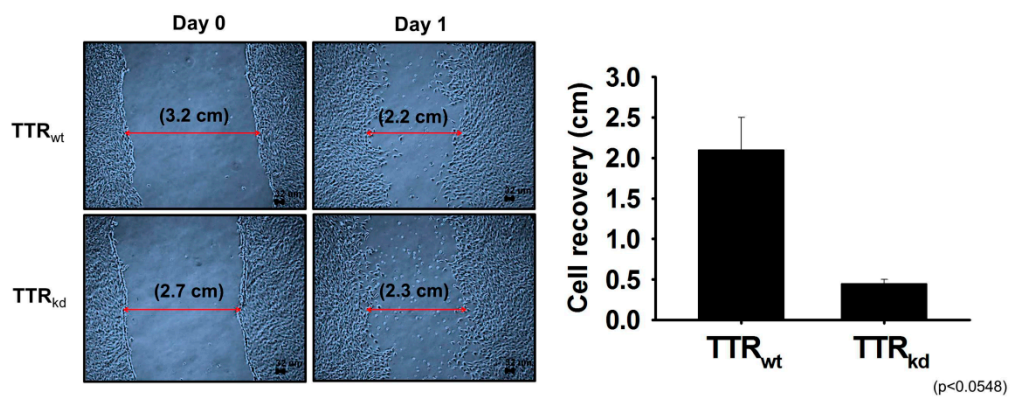
shRNA	Sequence
<b>TTRshRNA</b>	<b>TTR shRNA Plasmid (m) Is a Pool of 3 Different shRNA Plasmids</b>
sc-39716-SHA	GATCCCTGTAGACGTGGCTGTAAATTCAAGAGATTTACAGCCACGTCTACAGTTTTT
(SC-39716-SH)	sc-39716-SHB GATCCGAAGATGCCGTGAAGCATTTTCAAGAGAAATGCTTCACGGCATCTTCTTTTT
sc-39716-SHC	GATCCCACCTGCTATTTTCATTCAATTCAAGAGATTGAATGAAATAGCAGGTGTTTTT

Table S2. Primer information.

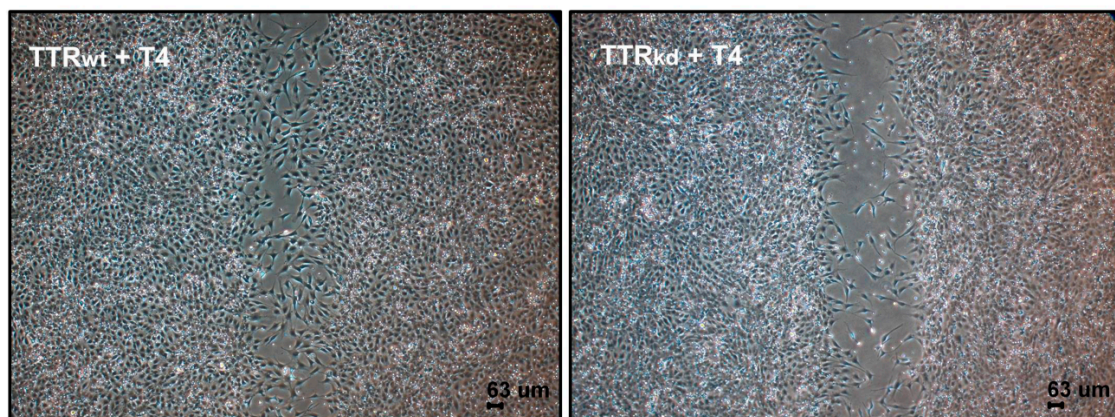
Species	Gene	Accession No.	Product Size (bp)	Temperature (°C)	Sequence (F)	Sequence (R)
	<i>GAPDH</i>	NM_001289726.1	155	55	5'-tgctggtgctgagtatgtcg-3'	5'-caagcagttggtggtacagg-3'
	<i>TTR</i>	NM_013697.5	165	59	5'-tggacaccaaactgtactgg-3'	5'-aattctgggggttgctgac-3'
Mouse	<i>CyclinA</i>	NM_009828.2	227	59	5'-ctgtctctttaccggagca-3'	5'-agtgatgtctggctgctct-3'
	<i>MYOG</i>	M95800	185	59	5'-tccagtacattgagcgcta-3'	5'-caaatgatctctgggttg-3'
	<i>D2</i>	NM_010050	152	59	5'-gatgctccaattccagtgt-3'	5'-caggtggctgaacaaagtt-3'



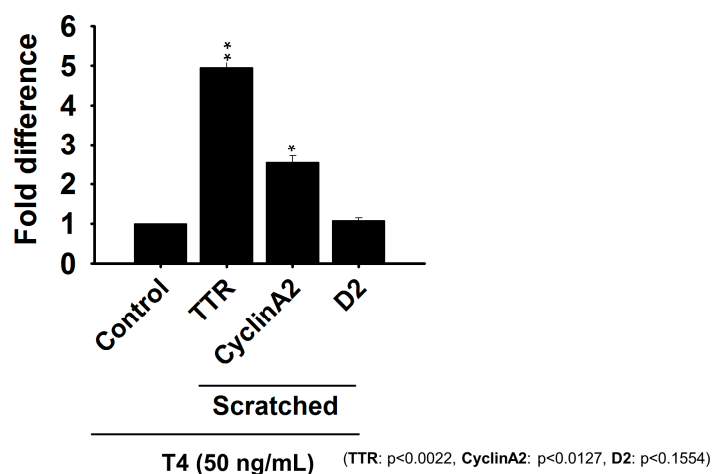
**Figure S1.** PAX7 expression in normal or CTX injected muscles. PAX7 protein expression was observed with fluorescence in normal or CTX injected muscle (Red: PAX7; Blue: DAPI).



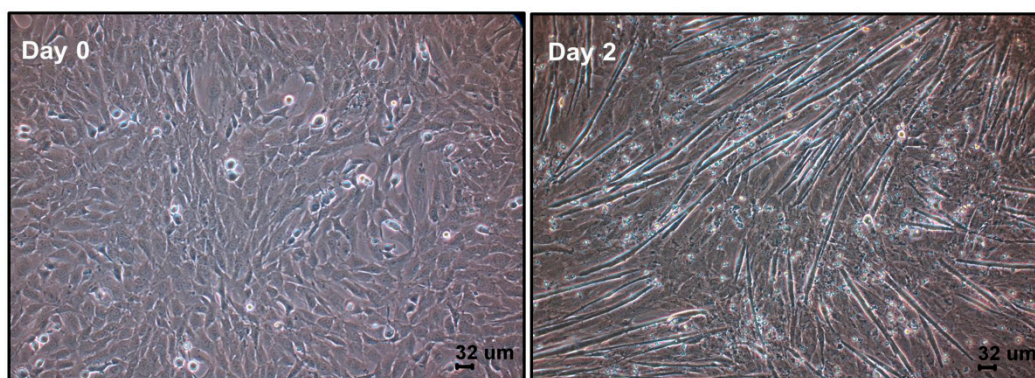
**Figure S2.** Comparison of cell recovery in TTR<sub>wt</sub> and TTR<sub>kd</sub> cells. Scratch was performed in TTR<sub>wt</sub> and TTR<sub>kd</sub> cells and incubated with DMEM + 2% FBS + 1% PS for 1 day. Cell recovery was measured in TTR<sub>wt</sub> and TTR<sub>kd</sub> cells.



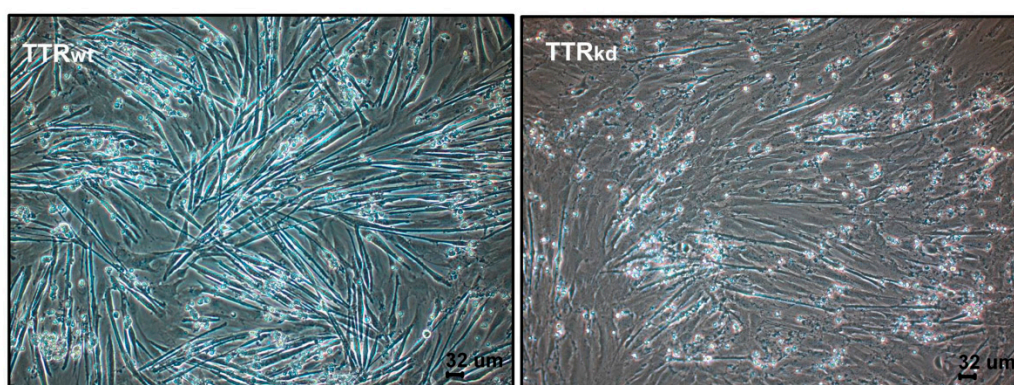
**Figure S3.** Effect of TTR knock-down on cell proliferation with T4.



**Figure S4.** TTR, CyclinA2 and D2 expression with T4 in scratched cells. TTR, CyclinA2 and D2 expression was analyzed by real time RT-PCR in scratched or non-scratched cells with T4.  $p$ -values indicate statistical significance of the data (mean  $\pm$  S.D.,  $n = 3$ , \*:  $p < 0.05$ , \*\*:  $p < 0.001$ ).



**Figure S5.** Differentiation in serum free media.



**Figure S6.** Cell differentiation in serum free for TTR knock-down.