

Immortalized murine tenocyte cells – a novel and innovative tool for tendon research

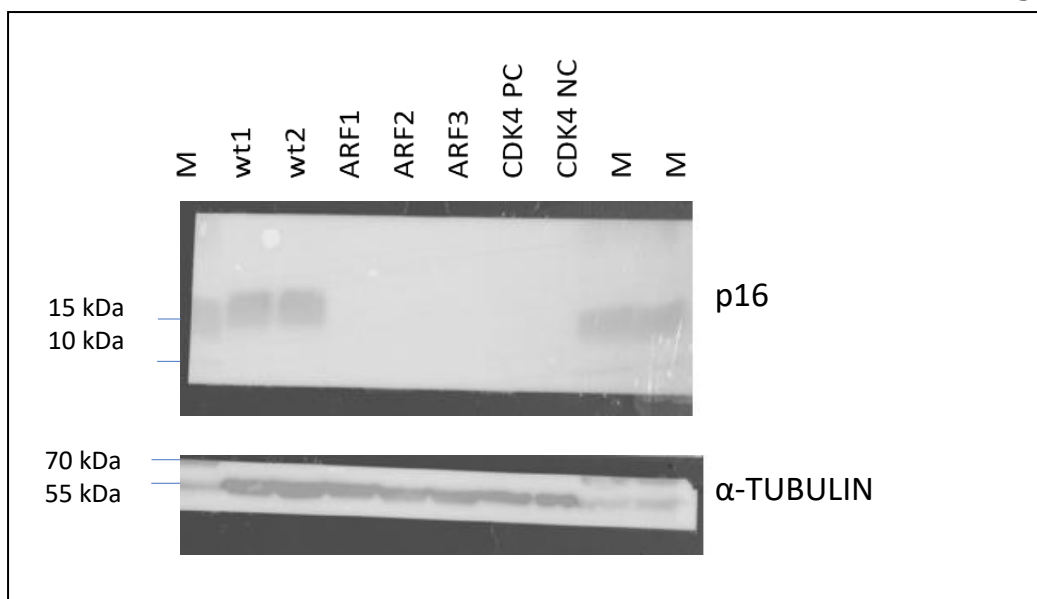
Supplementary Materials

Supplementary Fig S1: Western blot of p16.

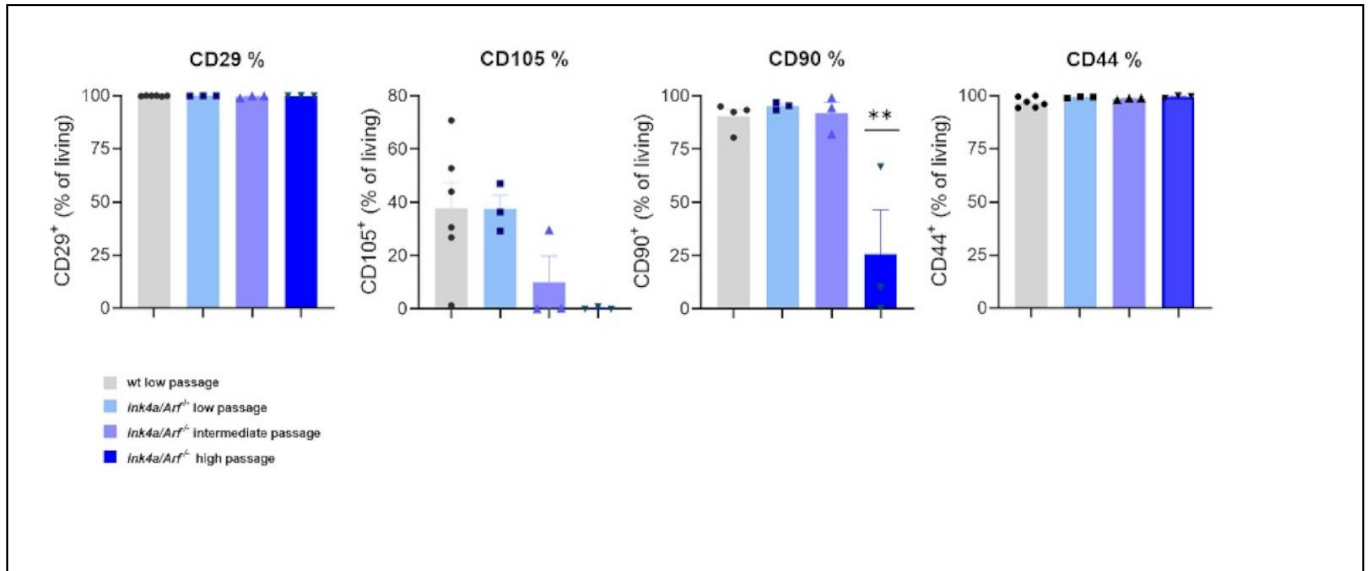
After blotting of one 12%-polyacrylamide gel, the membrane has been cut at the 70, ~45, and ~25 kDa protein ladder signal. M- Marker.

CDK4 positive (PC) and negative (NC) controls were not included in the final results

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Supplementary Fig S2: Flow cytometry analysis of CD29, CD105, CD90 and CD44 expression in wild-type (wt) and *Ink4a/Arf*^{-/-} cells from different passages. The figure represents the number of live cells (%) expressing each marker in each cell type. n = 3 different biological replicates. ** p-value< 0.01



Supplementary table S3: RT-qPCR Primer sequences

	Forward 5'-3'	Reverse 5'-3'
Collagen type 1 (<i>COL1</i>)	GAGCGGAGAGTACTGGATCG	GCTTCTTTTCCTTGGGGTTC
Collagen type 3 (<i>COL3</i>)	CTGGAGATAAGGGTGAAGGT	GAGGGCCTCCTTCACCTTTCT
Collagen type 5 (<i>COL5</i>)	CAGTGAATTCAAGCGTGGGA	GTAGGTGACGTCTGGTGGG
Scleraxis (<i>SCX</i>)	TTGAGCAAAGACCGTGACAGA	TGTGGACCCTCCTCCTTCTAAC
Tenomodulin (<i>TNMD</i>)	GTCACATTCTAAATGCAGAAG	CTCCCCCAAACAGGACAAT
Tenascin C (<i>TNC</i>)	CTGCTGTCAAGGGAGACAAG	AGACACCCGTAAGTCCTTGG
Glyceraldehyde-3-phosphate dehydrogenase (<i>GAPDH</i>)	CTGCACCACCAACTGCTTAG	GTCTTCTGGGTGGCAGTGAT
Rplp0 (<i>36b4</i>)	AGATTCTGGGATATGCTGTTGG	AAAGCCTGGAAGAAGGAGGTC
Ribosomal protein S18 (<i>Rps18</i>)	GCCGTTCTTAGTTGGTGGAG	GAACGCCACTGTCCCTCTA

Supplementary Fig S4: Dimensions of the 3D printed silicone plate used for creation of 3D tendon-like constructs

