Supporting Information

A novel knitted scaffold made of microfiber/nanofiber core-sheath yarns for tendon tissue engineering

Jiangyu Cai,[1#] Xianrui Xie,[2#] Dandan Li,[2] Liren Wang[1], Jia Jiang,[1*] Xiumei Mo[2*], Jinzhong Zhao[1*]

1 Department of Sports Medicine, Shanghai Jiao Tong University Affiliated Sixth People's Hospital, Shanghai, 200233, China;

2 State Key Laboratory for Modification of Chemical Fibers and Polymer Materials, College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, Shanghai, 201620, China;

#These authors contributed equally to this work

* Corresponding authors

Jia Jiang, E-mail addresses: jessicajj19@hotmail.com

Xiumei Mo, E-mail addresses: xmm@dhu.edu.cn

Jinzhong Zhao, E-mail addresses: jzzhao@sjtu.edu.cn

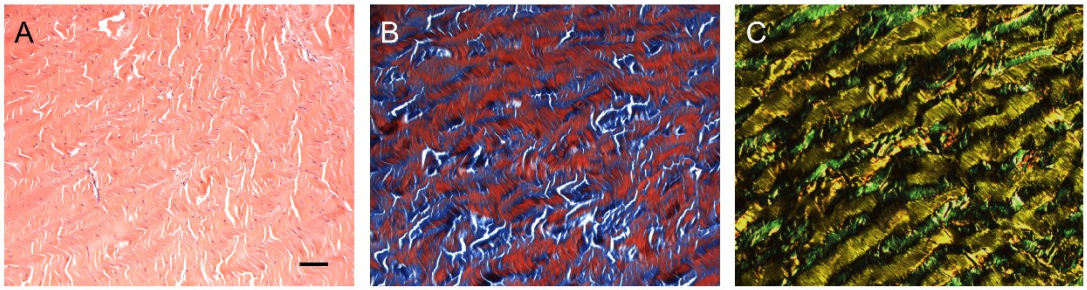

Fig.S1 H&E (A), Masson's trichrome (B) staining and Picrosirius Red staining (C) for the native patellar tendon. Bar=200 μm.

Table.S1 Gene-specific primers for COL I, DCN, TNC and GAPDH

Gene	Primers
COL I	Forward 5'-GACGCATGGCCAAGAAGACAT -3'
	Reverse 5'-TCTTTGCATAGCACGCCATCG -3'
DCN	Forward 5'-TGCTATTCCTCAAGGTCTGCC-3'
	Reverse 5'-ACTGCCATTTTCCACAACGGT-3'
TNC	Forward 5'-CCACCCGCTATTACATCACCG-3'

	Reverse 5'-CCTGGGATGTCCACAACTCTGA-3'
GAPDH	Forward 5'- CTGGAGAAACCTGCCAAGTATG-3'
	Reverse 5'- GGTGGAAGAATGGGAGTTGCT-3'