

Supporting Information

Non-mulberry Silk Based Ink for Fabricating Mechanically Robust Cardiac Patches and Endothelialized Myocardium-on-a-chip Application

Shreya Mehrotra, Bruna A. G. de Melo, Minoru Hirano, Wendy Keung, Ronald A. Li, Biman B. Mandal, Su Ryon Shin **

Table S1. List of primers used for gene expression analysis

Gene	Sequence
Rat GAPDH	F-5'-ATGCTGGTGCTGAGTATGTC-3' R-5'-AGTTGTCATATTTCTCGTGG-3'
Rat Connexin 43 (Gja1)	F-5'-AGGAGTTCCACCAACTTTGGC-3' R-5-TGGAGTAGGCTTGGACCTTGTC-3'
Rat Actinin (Actn1)	F-5'-TAACCCAAGCTGATGAGGCAGGCTT -3' R-5-TTCCAATCCTTCATCGACTTCATGAC -3'
Rat Cardiac Troponin T (Tnni3)	F-5'- GATCTCGCCCCTTATCTCAGTGTCCTCA-3' R-5-GATCTGAGGACACTGAGATAAGGGGCGA-3'
Human Cardiac Troponin T	F-5'- GGCAGCGGAAGAGGATGCTGAA-3' R-5- GAGGCACCAAGTTGGGCATGAACGA-3'
Human GAPDH	F-5'AGCCACATCGCTCAGACACC-3' F-5'GTACTCAGCGCCAGCATCG-3'