

Supporting Information

Silk Fibroin Scaffolds Loaded with Growth Factors Can Reverse Liver Fibrosis

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Table S1. European Histological Scoring System for Fatty Liver Progression

Blockade (FLIP - SAF)

Evaluation Items	Specific Conditions	Score
Steatosis (S)	Steatosis range < 5%	0
	Steatosis range 5 - 33%	1
	Steatosis range 33 - 66%	2
	Steatosis range > 66%	3
Inflammatory Activity (A)	No lobular inflammation (200× magnification)	0
	≤2 foci of aggregation in lobular inflammation (200× magnification)	1
	>2 foci of aggregation in lobular inflammation (200× magnification)	2
	Ballooning: Hepatocytes are cubic, normal - sized, with pink eosinophilic	0

	cytoplasm	
	Balliocytes: Hepatocytes are round, with pale, reticular cytoplasm, distributed in clusters, similar in size to normal hepatocytes	1
	Balliocytes: At least 2 - fold larger in volume compared to grade 1 hepatocytes	2
Fibrosis (F)	No fibrosis	0
	Mild perisinusoidal fibrosis	1
	Moderate perisinusoidal fibrosis	1
	Only portal - area fibrosis	1
	Perisinusoidal and portal - area fibrosis	2
	Bridging fibrosis	3
	Liver cirrhosis	4

Table S2: Primer sequences used for real-time PCR

Primer	3'-forward	5'-reverse
<i>TRAF2</i>	GCCCTGAGTAACAAGGTGCA	TCGCCATTCAAGTAGACTCGTAG

<i>Bax</i>	TCATCCAGGATCGAGCAGG	CAAAGTAGAAGAGGGCAACCAC
<i>FXR</i>	TGGGCTCCGAATCCTCTTAGA	TGGTCCTCAAATAAGATCCTTGG
<i>OAT</i>	ACGGCGGAAACCCACTAG	CTCGAAGTCGCAGGCACA

Table S3. The expression levels of IL-6 and TNF- α in mice serum quantified by ELSA assays

