

1 **Supplementary table 1:** Histological semi-quantitative criteria to determine the non-alcoholic fatty liver disease  
 2 activity score (NAS).

Score	0	1	2	3	4
Steatosis grade	0%	5-33%	33-66%	>66%	-
Ballooning	none	few	many	-	-
Lobular inflammation	0	<2 foci/200x	2-4 foci/200x	>4 foci/200x	-
Fibrosis	none	perisinusoidal or periportal	perisinusoidal and periportal	bridging fibrosis	cirrhosis

3 Adapted on Design and Validation of a Histological Scoring System for Nonalcoholic Fatty Liver Disease, Kleiner  
 4 *et al* <sup>(19)</sup>.

5 **Supplementary table 2:** Primers used in this study

Primer	Forward	Reverse	Accession N°
<i>Acc1</i>	ATGAACACCCAGAGCATTGTCCAG	AGCAGATCCATCACCACAGCCTT	NM_022193.1
<i>Acox1 alpha</i>	TCGAAGCCAGCGTTATGAGG	TTGAGGCCAACAGGTTCCAC	NM_017340.2
<i>Alpha sma</i>	ACGGCGGCTTCGTCTTCT	CCAGCTGACTCCATGCCAAT	NM_031004.2
<i>b-Actin</i>	CCACACCCGCCACCAGTTC	GACCCATTCCCACCATCACACC	NM_031144.3
<i>Bax</i>	CCAGGACGCATCCACCAAGA	AGCTGCCACACGGAAGAAGA	NM_017059.2
<i>Bcl2</i>	GGCTACGAGTGGGATACTGGAGAT	CTCTCAGGCTGGAAGGAGAAGATG	NM_016993.2
<i>Cd36</i>	CACAGGCTTTCCTTCTTTGC	CTCTGACATTTGCAGGTCCA	NM_031561.2
<i>Chop</i>	CTCTGCCTTTCGCCTTTGA	GCTTTGGGAGGTGCTTGTG	NM_001109986.1
<i>Chrebp</i>	ATAGAGGAGCTCAATGCTGCCAT	AACATGTCCCGCATCTGGTC	NM_133552.2
<i>Coll1a1</i>	TCAAGATGGTGGCCGTTACT	CATCTTGAGGTCACGGCATG	NM_053304.1
<i>Cpt1a</i>	ACGAAGCCCTCAAACAGA	GGATGAAATCACACCCAC	NM_031559.2
<i>Il10</i>	GTTGCCAAGCCTTGTCAGAAA	TTTCTGGGCCATGGTTCTCT	NM_012854.2
<i>Il1b</i>	CACCTCTCAAGCAGAAGCACAG	GGTTCCATGGTGAAGTCAAC	NM_031512.2
<i>Inos</i>	CTTGGAGCGAGTTGTGGATTG	GGTGGGAGGGGTAGTGATGTC	NM_012611.3
<i>Mrc1</i>	CAAGGAAGGTTGGCATTGT	GGAACGTGTGCTCTGAGTT	NM_001106123.2
<i>P58ipk</i>	ATTAAAGCATACCGAAAGTTAGCAC	AGAGGGTCTTCTCCGTCATCAA	NM_022232.1
<i>Ppar alpha</i>	AAGAACCTGAGGAAGCCA	AGCCACAAAAAGGGAAATG	NM_013196.2
<i>S100a9</i>	GAGGAGTGTATGATGCTGATGG	GACTTGTTGGGCAGATGTT	NM_053587.2

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8 **Supplementary table 3: Antibodies used in this study.**

<b>Antibody</b>	<b>Dilution used</b>	<b>Catalog #</b>	<b>Company</b>
<b>3- Nitrotyrosine</b>	1:50	MAB3248	R&D systems
<b>Beta actin</b>	1:1000	sc-47778	Santa Cruz Biotechnology
<b>Cy3-goat anti mouse</b>	1:500	115-165-003	Jackson Immuno Research
<b>Carboxymethyl lysine</b>	1:200	MAB3247	R&D systems
<b>Caspase 3 p17</b>	1:500	sc-373730	Santa Cruz Biotechnology
<b>Catalase</b>	1:2000	AF3398	R&D systems
<b>FAS</b>	1:1000	sc-48357	Santa Cruz Biotechnology
<b>Goat anti mouse-HRP</b>	1:2000	HAF007	R&D systems
<b>Goat anti rabbit-HRP</b>	1:2500	170-6515	BioRad
<b>GRP78</b>	1:1000	sc-376768	Santa Cruz Biotechnology
<b>IBA-1</b>	1:500	ab5076	Abcam
<b>p-AKT substrate</b>	1:1000	23C8D2	Cell signaling
<b>p-NFkBp65</b>	1:1000	sc-136548	Santa Cruz Biotechnology
<b>PEPCK</b>	1:1000	sc-271029	Santa Cruz Biotechnology
<b>Rabbit anti goat-HRP</b>	1:1000	HAF017	R&D systems
<b>SOD2</b>	1:1000	sc-137254	Santa Cruz Biotechnology

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