

## SUPPLEMENTARY TABLES

**Supplementary Table 1. Description of the study population.**

	Controls (n=10)	BA early (n=5)	BA late (n=30)
Median age	9.5 y (3 d - 41 y)	7 w (17 d - 2 m)	12 m (6 m - 15 y)
Gender (M/F)	5 (50%) / 5	3 (60%) / 2	15 (50%) / 15
AST (UI/L) (< 80)	NA	232 ± 78	228 ± 19
ALT (UI/L) (< 35)	NA	155 ± 57	123 ± 11
γGT (UI/L) (< 40)	NA	455 ± 78	221 ± 30
Total bilirubin (mg/dL) (< 1.2)	NA	9.1 ± 1.7	17.5 ± 1.7
INR (0.8-1.2)	NA	1 ± 0.04	1.5 ± 0.1
Histological fibrosis (Metavir score):			
F0	10 (100%)	1 (20%)	0
F1	0	0	0
F2	0	1 (20%)	0
F3	0	1 (20%)	0
F4	0	2 (40%)	30 (100%)

In the first column, standard values are indicated for all biochemical parameters. Continuous data is presented as median (range) or mean ± SEM. D, days; m, months; NA, not available; y, years.

**Supplementary Table 2. Primary antibodies.**

Primary antibody (target)	Company	Cat. no	Species	Ag retrieval	Dilution
p21 WAF1/Cip1 (H)	Agilent	M7202	M mAb	T 1 hour 98C	IHC 1/400
p21 WAF1/Cip1 (R)	Agilent	M7202	M mAb	T 900W 4 min - 90W 15 min - 900W 1.5 min T Retriever 2100	IHC 1/50 IF 1/50
p16 INK4a (H)	Abcam	ab108349	Rb mAb	T 1 hour 98C	IHC 1/1000
gamma H2A.X (Ser139) (H)	Abcam	ab81299	Rb mAb	C 35 min 98C C Retriever 2100	IHC 1/500 IF 1/500
gamma H2A.X (Ser139) (H)	Merck	05-636	M mAb	C 5 min 450W	IF 1/1000
TRF2 (H)	Novus	NB110-57130	Rb pAb	C 5 min 450W	IF 1/2000
HNF4α (H-R)	R&D System	PP-H1415	M mAb	C Retriever 2100	IF 1/400
CK19 (H)	Dako	M0888	M mAb	C 35 min 98C C Retriever 2100	IHC 1/100 IF 1/100
CK19 (R)	Abcam	ab220193	M mAb	C Retriever 2100	IF 1/200

Ag, antigen; C, citrate; H, human; IF, immunofluorescence; IHC, immunohistochemistry; M, Mouse; mAb, monoclonal antibody; pAb, polyclonal antibody; R, rat; Rb, rabbit; T, Tris-EDTA.

**Supplementary Table 3. Pre-designed TaqMan probes used for reverse transcription quantitative polymerase chain reaction.**

<b>Gene of interest (specie)</b>	<b>Company</b>	<b>Reference</b>
<i>CDKN1A (H)</i>	Thermo Fisher Scientific	Hs00355782_m1
<i>CDKN2A (H)</i>	Thermo Fisher Scientific	Hs00923894_m1
<i>CXCL8 (H)</i>	IDT	Hs.PT.58.38869678.g
<i>TGFBI (H)</i>	IDT	Hs.PT.58.39813975
<i>COL1A1 (H)</i>	Thermo Fisher Scientific	Hs00164004_m1
<i>KRT19 (H)</i>	Thermo Fisher Scientific	Hs00761767_s1
<i>HNF4A (H)</i>	Thermo Fisher Scientific	Hs00230853_m1
<i>TBP (H)</i>	Thermo Fisher Scientific	Hs99999910_m1
<i>PPIA (H)</i>	Thermo Fisher Scientific	Hs99999904_m1
<i>Cdkn1a (R)</i>	IDT	Rn.PT.58.12154239
<i>Cdkn2a (R)</i>	Thermo Fisher Scientific	Rn00580664_m1
<i>Il1b (R)</i>	IDT	Rn.PT.58.38028824
<i>Tgfb1 (R)</i>	IDT	Rn.PT.58.6690138
<i>Col1a1 (R)</i>	IDT	Rn.PT.58.7562513
<i>Sox9 (R)</i>	IDT	Rn.PT.58.29440750
<i>Hnf4a (R)</i>	IDT	Rn.PT.58.34229621.g
<i>Gpx1 (R)</i>	IDT	Rn.PT.58.7204268.g
<i>Gapdh (R)</i>	Thermo Fisher Scientific	Rn01775763_g1
<i>B2m (R)</i>	Thermo Fisher Scientific	Rn00560865_m1