

Supplementary materials:

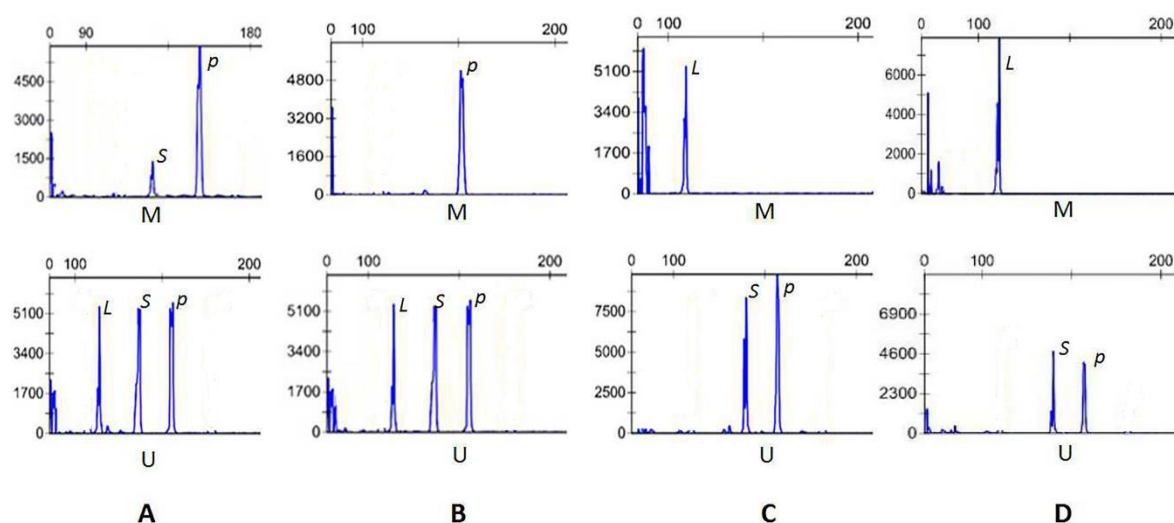


Figure S1. Multiplex MSP analysis of *p16*, *SFRP1 LINE1* was performed in plasma specimens. Representative results for hepatocellular carcinoma(HCC) (A), liver cirrhosis (B), benign lesion patients (C) and healthy people (D). M, methylation. U, unmethylation. The horizontal axis and vertical axis represents product size and peak height, respectively.

Table S1. Primer Sequences, Multiplex MSP conditions and Product size.

Primer name	Sense primer(5'-3')	Antisense primer(5'-3')	Annealing temp(°C)	PCR cycles	Product size(bp)
RASSF1A					
MSP	GGGTTTTGCGAGAGCGCG	GCTAACAAACGCGAACCG			169
USP	GGGGTTTTGTGAGAGTGTGTTTAG	TAAACACTAACAAACACAAACCAAAC			175
p16					
MSP	TTATTAGAGGGTGGGGCGGATCGC	GACCCCGAACCGCGACCGTAA			150
USP	TTATTAGAGGGTGGGGTGGATTGT	CAACCCCAAACCACAACCATAA	63	30	151
SFRP1					
MSP	TGTAGTTTTCGGAGTTAGTGTGCGC GC	CCTACGATCGAAAACGACGCGAAC G			126
USP	GTTTTGTAGTTTTTGGAGTTAGTGT TGTGT	CTCAACCTACAATCAAAAACAACA CAAACA			135
SOCS3					
MSP	GGAGATTTTAGGTTTTCGGAATATT TC	CCCCGAAACTACCTAAACGCCG			142
USP	GTTGGAGATTTTAGGTTTTGGAATA	AAACCCCAAAACTACCTAAACAC			148

	TTTT	CA	
LINE1			
MSP	CGCGAGTCGAAGTAGGGC	ACCCGATTTTCCAAATACGACCG	111
USP	TGTGTGTGAGTTGAAGTAGGGT	ACCCAATTTTCCAAATACAACCATC	116
		A	
