

## SUPPLEMENTARY TABLES

**Supplementary Table S1. Clinicopathologic data of 24 ICC patients for qRT-PCR and Western Blotting (n = 24)**

Category	Subcategory	No.
Age (years)	≤60	15
	>60	9
Gender	Female	10
	Male	14
Liver cirrhosis	No	10
	Yes	14
Tumor number	Single	18
	Multiple	6
Tumor size (cm)	≤5	18
	>5	6
Differentiation *	W+M	17
	P	7
LNM	No	14
	Yes	10
Vascular invasion	No	21
	Yes	3
TNM †	I+II	8
	III+IV	16
CA19-9 (IU/L)	≤35	7
	>35	17
CEA (IU/L)	≤5.0	17
	>5.0	7

Abbreviations: ICC, Intrahepatic cholangiocarcinoma; W+M, well+moderated differentiation; P, poor differentiation; LNM, Lymph node metastasis; TNM, Tumor Node Metastasis; CA19-9, Carbohydrate antigen 19-9; CEA, Carcinoembryonic antigen.

\* According to the World Health Organization (WHO) classification of tumors of the digestive system 2010;

† Based on seventh edition cancer staging manual of American Joint Committee on Cancer.

**Supplementary Table S2. Primary Antibodies for WB and IHC.**

Antibody	Concentration for WB	Concentration for IHC	Specificity	Company
FoxM1	1:1000	1:100	Rabbit	Abcam
GAPDH	1:2000	/	Rabbit	Bioss
c-Myc	1:1000	/	Rabbit	CST
MMP-9	1:1000	/	Rabbit	Proteintech
MMP-2	1:1000	/	Rabbit	Proteintech

Abbreviations: WB, Western Blotting; IHC, immunohistochemistry; CST, Cell Signaling Technology.

**Supplementary Table S3. The sequence of shRNA and cDNA clone of FoxM1.**

Name	Sequence
FoxM1-RNAi-1	CCAACAGGAGTCTAATCAA
FoxM1-RNAi-2	GCTGGGATCAAGATTATTA
FoxM1-RNAi-3	GGCCACCCTACTCTTACAT
ORF nucleotide sequence of FoxM1 (transcript variant 2)	CTAAATTCTGGCCGTTTTTGGCTTTTTTGTAGACGAAGCTTGGGCTGCAGGTCGACTCTAGAGGATCCCCGGGTACCGGTCGCCACCATGAAAAGTACGCCCCGTCGGCCACTGATTCTCAAAGACGGAGGCTGCCCTTCTGTTCAAATGCCCAAGTGAAACATCAGAGGAGAACCTAAGAGATCCCCTGCCAACAGGAGTCTAATCAAGCAGAGGCCTCAAGGAAGTGGCAGAGTCCAACCTTGCAAGTTTCCAGCTGGGATCAAGATTATTAACACCCACCATGCCAACACGCAAGTAGTGGCCATCCCCAACAAATGCTAATATTCACAGCATCATCAGCACTGACTGCCAAGGGAAAAGAGAGTGGCAGTAGTGGGCCAACAAATTCATCCTCATCAGCTGTGGGGGAGCCCCAACTCAGCTCCAGGACTCCGGCCTCAAACCCAAACCAGCTATGATGCCAAAAGGACAGAAGTGACCCTGGAGACCTTGGGACCAAAACCTGCAGCTAGGGATGTGAATCTTCCTAGACCACCTGGAGCCCTTTGCGAGCAGAAACGGGAGACCTGTGCAGATGGTGAGGCAGCAGGCTGCACTATCAACAATAGCCTATCCAACATCCAGTGGCTTCGAAAGATGAGTTCTGATGGACTGGGCTCCCGCAGCATCAAGCAAGAGATGGAGGAAAAGGAGAATTGTCACTGGAGCAGCGACAGGTTAAGGTTGAGGAGCCTTCGAGACCATCAGCGTCTGGCAGAACTCTGTGCTGAGCGGCCACCCTACTCTTACATGGCCATGATACAATTCGCCATCAACAGCACTGAGAGGAAGCGCATGACTTTGAAAGACATCTATACGTGGATTGAGGACCCTTTCCCTACTTTAAGCACATTGCCAAGCCAGGCTGGAAGAACTCCATCCGCCACAACCTTTCCCTGCACGACATGTTTGTCCGGGAGACGTCTGCCAATGGCAAGGTCTCCTTCTGGACCATTCAACCCAGTGCCAACCGCTACTTGACATTGGACCAGGTGTTAAGCCACTGGACCCAGGGTCTCCACAATTGCCCGAGCACTTGGAATCACAGCAGAAACGACCGAATCCAGAGCTCCGCCGGAAATGACCATCAAACCGAACTCCCCCTGGGCGCACGGCGGAAGATGAAGCCACTGCTACCACGGGTCAGCTCATACCTGGTACCTATCCAGTTCCCGGTGAACCAGTCACTGGTGTTCAGCCCTCGGTGAAGGTGCCATTGCCCTGGCGGCTTCCCTCATGAGCTCAGAGCTTGCCCGCCATAGCAAGCGAGTCCGCATTGCCCCAAGGTGCTGCTAGCTGAGGAGGGGATAGCTCCTCTTTCTTCTGCAGGACCAGGGAAAGAGGAGAACTCCTGTTTGGAGAAGGGTTTTCTCCTTTGCTTCCAGTTCAGACTATCAAGGAGGAAGAAATCCAGCCTGGGGAGGAAATGCCACACTTAGCGAGACCCATCAAAGTGGAGAGCCCTCCCTTGAAGAGTGGCCCTCCCCGGCCCCATCTTTCAAAGAGGAATCATCTCACTCCTGGGAGGATTCGTCCCAATCTCCCACCCCAAGACCCAAAGAGTCCACAGTGGGCTTAGGTCCCCAACCCGGTGTGTCTCGGAAATGCTTGTGATTCAACACAGGGAGAGGAGGGAGAGGAGCCGGTCTCGGAGGAAACAGCATCTACTGCCTCCCTGTGTGGATGAGCCGAGCTGCTTCTCAGAGGGGCCAGTACTTCCCCTGGGCC

GCAGAGCTCCCGTTCCCAGCAGACTCCTCTGACCCTGCCTCCCAG  
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TAAGGAAACGCTGCCCATCTCTCCACCCGAGCAAATCTGTCT  
CCCAGAACCCCTGAATCCTGGAGGCTCACGCCCCAGCCAAAG  
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TCTGACCCCTTGCCTGACCCCTGGGGCTGATGGATCTCAGCACC  
ACTCCCTTGCAAAGTGCTCCCCCTTGAATCACCGCAAAGGCTC  
CTCAGTTCAGAACCCTTAGACCTCATCTCCGTCCCCTTTGGCAAC  
TCTTCTCCCTCAGATATAGACGTCCCCAAGCCAGGCTCCCCGGAG  
CCACAGGTTTCTGGCCTTGCAGCCAATCGTTCTCTGACAGAAGGC  
CTGGTCTGGACACAATGAATGACAGCCTCAGCAAGATCCTGCT  
GGACATCAGCTTTCCTGGCCTGGACGAGGACCCACTGGGCCCTG  
ACAACATCAACTGGTCCCAGTTTATTCCTGAGCTACAGGGTATG  
GACTACAAGGATGACGATGACAAGGATTACAAAGACGACGATG  
ATAAGGACTATAAGGATGATGACGACAAATGAGCTAGCCTGTGG  
AATGTGTGTCAGTTAGGGTGTGGAAAGTCCCCAGGCTCCCCAGC  
AGGCAGAAGTATGCAAAGCA

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Note: The underlined sites represent the cleavage site and the red lettering indicate the coding region.