

**Supplemental Table S2.** Relationship between transforming growth factor (TGF)- $\beta$ 1 expression and clinicopathological characteristics of intrahepatic cholangiocarcinoma.

		Number of cases	TGF-β1 expression		
		(n = 48)	≤25%	>25%	p-Value
			(n = 26)	(n = 22)	
Gender	Male	36	17	19	0.09
	Female	12	9	3	
Age (mean)			71.9 (53-84)	69.0 (39-84)	0.33
(years)					
Tumor size			50.7 (18-110)	68.4 (20-220)	0.16
(mean) (mm)					
Localization	Peripheral	38	22	16	0.26
	Non-peripheral	10	4	6	
Macroscopic	MF	42	24	18	0.26
type	MF+PI,	6	2	4	
	IG+PI, PI				
Histological	Well	6	5	1	0.08
differentiation	Moderate	29	12	17	
	Poor	13	9	4	
Growth type	Expansive	23	12	11	0.79
	Infiltrative	25	14	11	
Serosa invasion	+	24	11	13	0.25
	-	24	15	9	
Portal vein	+	39	18	21	0.022*
invasion	-	9	8	1	
Hepatic vein	+	21	10	11	0.42
invasion	-	27	16	11	
Hepatic artery	+	4	2	2	0.63
invasion	-	44	24	20	
Bile duct	+	26	12	14	0.23
invasion	-	22	14	8	
Intrahepatic	+	21	8	13	0.049*
metastasis	-	27	18	9	
Lymph node	+	14	6	8	0.31
metastasis	-	34	20	14	

MF: mass-forming type, PI: periductal-infiltrating type, IG: intraductal-growth type; \*,  $p < 0.05$