

**Table S1. Clinical characteristics of long and short survival groups in test cohort**

	Survival Groups		p value*
	Short (≤7months, n=11)	Long (≥24 months, n=14)	
<b>Gender no. (%)</b>			
Male	6 (54.5)	10 (71.4)	0.434
Female	5 (45.55)	4 (28.6)	
<b>T stage no. (%)</b>			
T1	0	0	
T2	1 (9.1)	1 (7.7)	
T3	10 (90.9)	12 (92.3)	
<b>N stage no. (%)</b>			
N0	2 (18.2)	7 (53.8)	0.105
N1	9 (81.80)	6 (46.2)	
<b>M stage no. (%)</b>			
M0	11 (100)	13 (100)	
M1	0 (0)	0 (0)	
<b>Differentiation no. (%)</b>			
Moderate	4 (36.4)	9 (69.2)	
Poor	7 (63.6)	2 (15.4)	
Undifferentiated	0	2 (15.4)	
<b>Resection margin no. (%)</b>			
R0	2 (18.2)	7 (50)	0.689
R1	9 (81.8)	7 (50)	
<b>Survival</b>			
Median	5.3	51.1	<b>&lt;0.0001</b>

*\*Fisher's exact test*

Table S2. Cohort characteristics

	Test cohort (n=50), no. (%)	Validation cohort 1 (GSE17891, Collisson et al., Nat Med, 2011) (n=27), no. (%)	Validation cohort 2 (n=37), no. (%)
<b>Age at enrollments (y)</b>			
Mean (SD)	65.14 (9.77)	67.33 (11.66)	69.00 (8.34)
<b>Resection margin</b>			
R1	42 (84.0)	11 (40.7)	26 (70.3)
R0	8 (16.0)	16 (59.3)	11 (29.7)
<b>TNM stage</b>			
I	2 (4.0)	3 (11.1)	3 (8.1)
IIA	6 (12.0)	4 (14.8)	6 (16.2)
IIB	42 (84.0)	15 (55.6)	18 (48.6)
unknown	0	5 (18.5)	0
<b>Grading</b>			
G1 &2	25 (50.0)	16 (59.3)	24 (64.9)
G3 &4	15 (50.0)	11 (40.7)	13 (35.1)