
1 **Supplementary Table S1**

2 The relationship between the expression of **5'-tiRNA-Gln** and the clinical
 3 characteristics of HCC patients

Parameters	Patient number	5'-tiRNA-Gln expression ($\log_{10} (2^{-\Delta\Delta CT})$)	
	(total = 76)	mean \pm SD	<i>P</i> value
Gender			
Male	67	-0.55 \pm 0.43	0.486
Female	9	-0.45 \pm 0.25	
Age (years)			
≥ 60	36	-0.55 \pm 0.41	0.835
< 60	40	-0.53 \pm 0.42	
HBV infection			
Present	54	-0.55 \pm 0.44	0.906
Absent	22	-0.53 \pm 0.34	
AFP			

Parameters	Patient number		5'-tiRNA-Gln expression ($\log_{10} (2^{-\Delta\Delta CT})$)	
	(total = 76)		mean \pm SD	<i>P</i> value
≥ 400 ng/ml	20		-0.60 ± 0.38	0.437
< 400 ng/ml	56		-0.52 ± 0.43	
Liver cirrhosis				
Present	58		-0.56 ± 0.43	0.560
Absent	18		-0.49 ± 0.38	
Tumor number				
Multi	9		-0.73 ± 0.65	0.156
Single	67		-0.52 ± 0.37	
Tumor size				
≥ 5 cm	53		-0.61 ± 0.40	0.039*
< 5 cm	23		-0.40 ± 0.41	
Metastasis				

Parameters	Patient number	5'-tiRNA-Gln expression ($\log_{10} (2^{-\Delta\Delta CT})$)	
	(total = 76)	mean \pm SD	<i>P</i> value
Present	42	-0.63 \pm 0.41	0.039*
Absent	34	-0.43 \pm 0.40	
Differentiation			
Well	47	-0.53 \pm 0.41	0.730
Poor	29	-0.56 \pm 0.43	

- 4 HCC hepatocellular carcinoma, AFP alpha fetal protein, Metastasis includes portal
- 5 vein tumor thrombus, lymph node metastasis and distant metastasis, SD standard
- 6 deviation
- 7 *statistical significance ($P < 0.05$)