

Characteristics	Paired tumor and non-tumor tissues (n = 48)	Additional tumor tissues (n = 302)	P value
Age, mean (SD)	61.1 (16.2)	59.5 (12.4)	0.5144
Gender, Male	27	211	0.0603
Female	21	91	
Race, White	32	121	0.0002
Others	13	173	
Etiology, Alcohol	9	61	0.4820
HBV	6	67	
HCV	5	21	
Others	21	132	
BMI (Kg/m ²), mean (SD)	26.2 (7.8)	26.1 (8.6)	0.9424
AFP (ng/mL), mean (SD)	6278.1 (21519.6)	15860.0 (137665)	0.3290
Survival time (days), mean (SD)	816.6 (772.5)	566.3 (674.3)	0.0198
Tumor status, Free	20	202	0.0063
Not free	21	86	
Family history of cancer, No	21	178	0.0075
Yes	23	82	
Tumor grade, G1-G2	31	186	0.6914
G3-G4	17	116	
AJCC TNM staging system, T0-T2	32	227	0.1982
T3-Tx	16	74	
Lymphnode involvement, N0-N1	32	213	0.7332
Nx	15	89	
Metastasis status, M0-M1	33	227	0.3448
Mx	15	75	
AJCC pathological stage, Stage I-II	30	214	0.9904
Stage III-IV	10	71	