

Supplementary Figures

Figure S1 TCGA analysis of the expression levels of five targets of miR-516a-5p in paired and unpaired NSCLC tissues.

Figure S2 The expression of HIST3H2A was associated with poor survival in NSCLC patients. (A) TCGA analysis of the expression levels of HIST3H2A in paired and unpaired NSCLC tissues. (B) ROC curve was used to obtain a cutoff value of HIST3H2A in NSCLC patients. (C) NSCLC patients were divided into high and low HIST3H2A expression groups according to its cutoff value. (D) Kaplan-Meier analysis of the association of HIST3H2A expression with OS and tumor recurrence in NSCLC patients.

Supplementary Tables

Table S1 The association of miR-516a-5p expression with clinicopathologic characteristics in NSCLC patients

Variables	Cases (n)	miR-516a-5p		<i>P</i> value
		High	Low	
Total	262	74	188	
<i>Age (years)</i>				
≥ 60	184	44	140	0.024
< 60	78	30	48	
<i>Gender</i>				
Male	115	33	82	0.891
Female	147	41	106	
<i>Pathological stage</i>				
I / II	211	53	158	0.025
III/IV	51	21	30	
<i>T stage</i>				
T1/T2	233	60	173	0.011
T3/T4	29	14	15	
<i>N stage</i>				
Negative	177	48	129	0.561
Positive	85	26	59	
<i>M stage</i>				
Negative	158	44	114	0.889
Positive	104	30	74	

Table S2 The association of HIST3H2A expression with clinicopathologic characteristics in NSCLC patients

Variables	Cases (n)	HIST3H2A		<i>P</i> value
		High	Low	
Total	398	353	45	
<i>Age (years)</i>				
≥ 60	286	251	35	0.385
< 60	112	102	10	
<i>Gender</i>				
Male	180	165	15	0.111
Female	218	188	30	
<i>Pathological stage</i>				
I / II	322	286	36	0.842
III/IV	76	67	9	
<i>T stage</i>				
T1/T2	351	313	38	0.459
T3/T4	47	40	7	
<i>N stage</i>				
Negative	264	233	31	0.741
Positive	134	120	14	
<i>M stage</i>				
Negative	256	229	27	0.514
Positive	142	124	18	

Table S3 Cox regression analysis of HIST3H2A expression as survival predictor
in NSCLC patients

Variables	Univariate Cox regression analysis		Multivariate Cox regression analysis	
	RR (95% CI)	P value	RR (95% CI)	P value
<i>Age (years)</i>				
≥ 60 vs.< 60	1.023 (0.698 to 1.499)	0.907	NA	NA
<i>Gender</i>				
Male vs. Female	1.056 (0.747 to 1.493)	0.757	NA	NA
<i>Pathological stage</i>				
III/IV vs. I / II	2.258 (1.577 to 3.275)	<0.0001	1.407 (0.870 to 2.276)	0.164
<i>T stage</i>				
T3+T4 vs. T1+T2	2.196 (1.381 to 3.492)	0.001	1.774 (1.076 to 2.924)	0.025
<i>N staging</i>				
Positive vs. Negative	2.148 (1.522 to 3.032)	<0.0001	1.722 (1.132 to 2.618)	0.011
<i>M stage</i>				
Positive vs. Negative	0.718 (0.494 to 1.043)	0.082	NA	NA
<i>HIST3H2A expression</i>				
High vs. Low	2.504 (1.103 to 5.683)	0.028	2.523 (1.111 to 5.732)	0.027

NA: not analyzed