

Figure S1: The clinical and pathology information of TCGA samples.

Figure S2: Networks of m6A-related lncRNAs. (A) lncRNAs obtained from the m6A2Target database. (B) lncRNAs obtained from the starBase database.

Figure S3: Upregulation of AL135999.1 in colorectal cancer is related to m6A modification. (A) Relative expression levels of AL135999.1 in different cells. (B) m6A modification is highly enriched in AL135999.1 of SW480 and HCT116 cells. (C, D) qRT-PCR and western blot confirmed the knockdown efficiency of METTL3. (E) Compared with the control group, the m6A level of AL135999.1 in SW480 and HCT116 cells with METTL3 knockdown. (F) The expression level of AL135999.1 was assessed in SW480 and HCT116 cells with METTL3 knockdown. (G) Treat SW480 cells of METTL3 knockdown with actinomycin D, and detect the expression level of AL135999.1 by qRT-PCR. (H) Treat HCT116 cells of METTL3 knockdown with actinomycin D, and detect the expression level of AL135999.1 by qRT-PCR.

Table S1. Primer sequence

Target	Primer sequence
GAPDH	F: 5'-CGGATTTGGTCGTATTGGG-3'
	R: 5'-CTGGAAGATGGTGATGGGATT-3'
METTL3	F: 5'-GTGTCGGAGGTGATTCCAGT-3'
	R: 5'-CTGCGCATCTCATCATCTGT-3'
AL135999.1	F: 5'-GCGATCAGTTTCAGGCACTC-3'
	R: 5'-TTGATGAAGGCTAGTGGGGC-3'
AL049840.4	F: 5'-TCATGTAACAGGGTGGGTGG-3'
	R: 5'-GACATGAGGCGGGATGAAAC-3'

Table S2: Relationship of AL135999.1 and AL049840.4 expression in tissue samples with clinicopathological factors of colorectal cancer patients.

Characteristics	No. of cases	<i>P</i> -value of AL135999.1	<i>P</i> -value of AL049840.4
Age (years)			
≤65	26	0.607	0.532
>65	24		
Gender			
Male	23	0.243	0.316
Female	27		
Maximum tumor size (cm)			
≤5	24	0.905	0.879
>5	26		
Histologic grade			
Well/Moderate	29	0.047*	0.067
Poorly	21		
pT stage			
T1	5	0.123	0.09
T2	9		
T3	17		
T4	19		
pN stage			
N0	23	0.341	0.078
N1	19		
N2	8		
pTNM stage			
I	4	0.032*	0.101
II	19		
III	27		
Invasion into lymphatic vessels			
Absent	31	0.369	0.435
Present	19		

Table S3. The comparison of studies about lncRNA signature for CRC

Methods	LncRNA signature	LncRNA symbols	AUC Value in training cohorts			AUC Value in validation cohorts			Reference	PMID
			1-year	3-year	5-year	1-year	3-year	5-year		
Univariate and multivariate Cox regression	3-lncRNAs	AC124067.4; LINC02604; MIR4435-2HG		0.63	0.62				Xing et al	34306030
Cox regression	6-lncRNAs	AC127024.4; AL591178.1; FENDRR; LINC01315; LINC01503; MMP25-AS1	0.828	0.789	0.73	0.777	0.576	0.611	Liu et al	33898515
Cox regression	9-lncRNAs	RP11-305L7.1; RP11-999E24.3; RP11-757G1.5; RP11-59H7.3; RP11-522I20.3; LINC00896; EVX1-AS; RP3-449M8.6; LL09NC01-251B2.3	0.754	0.778	0.854	0.891	0.72	0.814	Zong et al	33643540
LASSO, univariate and multivariate Cox regression	6-lncRNAs	AC125603.2; LINC00909; AC016876.1; MIR210HG; AC009237.14; LINC01063	0.797	0.771		0.656	0.642		Cheng et al	33390777
Multivariate Cox regression	10-lncRNAs	AC008514.1; LINC01055; AL590483.1; AC004009.1; ELFN1-AS1; AC078820.1; LHX1- DT; RBAKDN; AL136307.1; AC087379.2		0.725	0.803				Sun et al	33111631
LASSO regression	6-lncRNAs	AL356270.1; LINC02257; AC020891.2; LINC01485; AC083967.1; RBAKDN		0.6923	0.7368		0.68	0.7035	Huang et al	32355515
Multivariate Cox regression	3-lncRNAs	LINC00114; LINC00261; HOTAIR			0.716			0.649	Liu et al	33302562
Univariate Cox and LASSO	3-lncRNAs	AP003555.2; AP006284.1; LINC01602		0.712	0.674		0.701	0.694	Liu et al	31824849
Univariate and multivariate Cox regression	9-lncRNAs	RP11-815M8.1; RP11-342A23.2; RP11-264B14.1; AC064834.1; RP11-108K3.2; LINC01571; RP11- 383I23.2; AC079612.1; AC005256.1	0.768	0.778	0.87	0.761	0.801	0.883	Zhang et al	30564521