

Table S1 The sequences of siRNAs used for cell transfection

Name	Sequence (5'→3')
si-LINC01614#1	GGCTGGTTCTGTGATTTATTT
si-LINC01614#2	GAGGGTTTCTCCTATTAATTT
si-NC	CTAGAGTCTTCTTGAGATCAA

Table S2 The primer sequences used in RT-PCR

Primer name	Sequence (5'→3')
LINC01614 Primer-F	CAACCAAGAGCGAAGCCAAG
LINC01614 Primer-R	CGCCCCAAAACAACCTGAGTC
GAPDH Primer-F	TGACTTCAACAGCGACACCCA
GAPDH Primer-R	CACCCTGTTGCTGTAGCCAAA

Table S3 Details of Esophageal Cancer Studies in Gene Expression Omnibus Database

Series accession	Platform	Sample size	Upregulated lncRNAs	Downregulated lncRNAs	Upregulated mRNAs	Downregulated mRNAs
GSE53622	GPL18109	119 ESCC patients	142	191	1001	1512
GSE53624	GPL18109	119 ESCC patients	214	215	1204	1489
GSE53625	GPL18109	119 ESCC patients	101	120	898	979

Table S4 The Clinical Information of Esophageal Cancer Patients in the TCGA Database

Characteristics	Number of cases	Percentages (%)
Gender		
Female	27	14.6
Male	158	85.4
Vital status		
Alive	128	69.2
Dead	57	30.8
AJCC Stage		
Stage I	17	9.5
Stage II	85	47.5
Stage III	61	34.1
Stage IV	16	8.9
T stage		
T1	24	16.5
T2	42	26.6
T3	84	53.2
T4	6	3.8
N stage		
N0	68	46.9
N1	63	43.4
N2	10	6.9
N3	4	2.8
M stage		
M0	127	90.1
M1	14	9.9

Table S5 The correlation between the expression of Linc01614 and the clinical pathology of Esophageal Cancer Patients in the TCGA Database

Characteristics	LINC01614 low expression	LINC01614 high expression	P value
Gender			
Female	22	58	0.3911
Male	27	53	
AJCC Stage			
Stage I	11	4	0.0146*
Stage II	33	40	
Stage III	23	31	
Stage IV	12	3	
T stage			
T1	21	3	0.000***
T2	14	26	
T3	42	47	
T4	1	4	
N stage			
N0	29	35	0.7084
N1	38	32	
N2	5	4	
M stage			
M0	59	69	0.013*
M1	12	3	

Chi-squared test, $p < 0.05^*$, $p < 0.001^{***}$.

Table S6 64 mRNAs co-expressed with LINC01614 according to GEPIA2

lncRNA	mRNAs
LINC01614	FAP, CTHRC1, ADAMTS12, COL3A1, COL5A2, COL1A1, NOX4, ADAMTS2, COL6A3, ZNF469, COL5A1, COL10A1, COL11A1, LRRC15, COL12A1, THBS2, THY1, ITGA11, WISP1, LAMP5, RCN3, ASPN, MMP13, CDH11, LOXL2, FNDC1, EPYC, RGS16, COL24A1, MFAP2, P3H1, WNT2, SFRP4, CHN1, AKAP6, TNC, HOMER3, PLAU, MSN, INHBA, TMEM26, AMIGO2, ARSI, ADAMTS14, GPR68, ACKR3, PEG3, RUNX2, LAMC2, IL31RA, MSR1, LOX, MMP1, MEX3B, RAI14, GPR176, CACNG4, FCGR3A, LAMB3, PTHLH, RECK, LIMK1, IQCA1, PTK7