

Supplementary

Table S1 Clinical information of TCGA dataset and GSE62254

Patients Characteristics	TCGA	GSE62254
Age, years		
≤65	163	172
>65	205	128
Gender		
Female	133	101
Male	238	199
Grade		
G1	10	-
G2	134	-
G3	218	-
Stage		
Stage I	50	30
Stage II	111	97
Stage III	149	96
Stage IV	38	77
T Stage		
T1	18	-
T2	78	186
T3	167	91
T4	100	21
N Stage		
N0	108	38
N1	97	131
N2	74	80
N3	74	51
M Stage		
M0	328	273
M1	25	27

TCGA, The Cancer Genome Atlas.

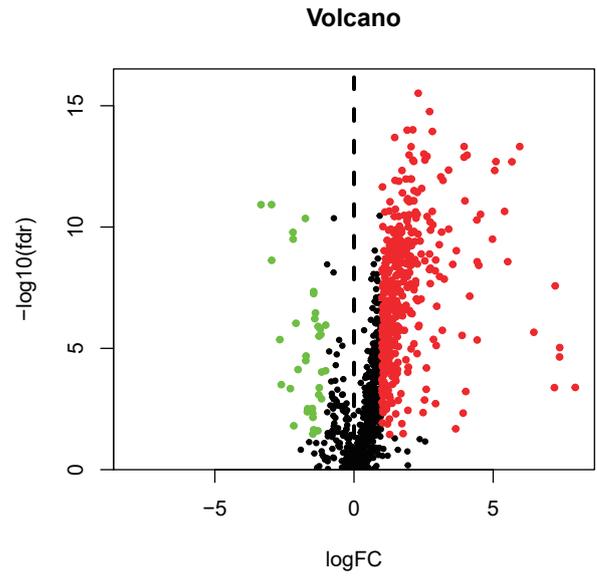


Figure S1 The volcano map of differentially expressed lncRNAs.

Table S2 The EMT-related lncRNA pairs list and coefficient

LncRNA pair 1	Full name	LncRNA pair 2	Full name	Coefficient
HOXA11-AS	HOXA11 antisense RNA	LINC01410	Long intergenic non-protein coding RNA 1410	-0.0884
HOXA11-AS	HOXA11 antisense RNA	GABPB1-AS1	GABPB1 antisense RNA 1	-0.1698
A2M-AS1	A2M antisense RNA 1	TFAP2A-AS1	TFAP2A antisense RNA 1	0.1275
A2M-AS1	A2M antisense RNA 1	RHPN1-AS1	RHPN1 antisense RNA 1 (head to head)	0.1072
MIR100HG	Mir-100-let-7a-2-mir-125b-1 cluster host gene	MCF2L-AS1	MCF2L antisense RNA 1	0.1287
MIR100HG	Mir-100-let-7a-2-mir-125b-1 cluster host gene	RHPN1-AS1	RHPN1 antisense RNA 1 (head to head)	0.0442
MIR100HG	Mir-100-let-7a-2-mir-125b-1 cluster host gene	GAS6-AS1	GAS6 antisense RNA 1	0.0321
LINC01004	Long intergenic non-protein coding RNA 1004	HOTAIR	HOX transcript antisense RNA	0.1350
BANCR	BRAF-activated non-protein coding RNA	FGF14-AS2	FGF14 antisense RNA 2	-0.2449
RUSC1-AS1	RUSC1 antisense RNA 1	GAS6-AS1	GAS6 antisense RNA 1	0.2446
MBNL1-AS1	MBNL1 antisense RNA 1	LINC00668	Long intergenic non-protein coding RNA 668	0.1835
DSCR8	Down syndrome critical region 8	HOTTIP	HOXA distal transcript antisense RNA	0.4763
C1RL-AS1	C1RL antisense RNA 1	LINC01094	Long intergenic non-protein coding RNA 1094	-0.3423
UNC5B-AS1	UNC5B antisense RNA 1	ZNF667-AS1	ZNF667 antisense RNA 1 (head to head)	-0.1317
ZNF667-AS1	ZNF667 antisense RNA 1 (head to head)	RHPN1-AS1	RHPN1 antisense RNA 1 (head to head)	0.0149
DLEU2	Deleted in lymphocytic leukemia 2	LINC01094	Long intergenic non-protein coding RNA 1094	-0.0438
PSORS1C3	Psoriasis susceptibility 1 candidate 3	GABPB1-AS1	GABPB1 antisense RNA 1	0.4970
RHPN1-AS1	RHPN1 antisense RNA 1 (head to head)	HAGLROS	HAGLR opposite strand lncRNA	-0.1140
FGF14-AS2	FGF14 antisense RNA 2	LINC01355	Long intergenic non-protein coding RNA 1355	0.0375
GABPB1-AS1	GABPB1 antisense RNA 1	GAS6-AS1	GAS6 Antisense RNA 1	0.1955