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Supplemental Information

Long Noncoding RNA BC032913 as a Novel Therapeutic Target for Colorectal Cancer that Suppresses Metastasis by Upregulating TIMP3

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Supplementary Tables

Table S1. Basic information of the six patients.

ID	672	758	767	788	800	849
Gender	male	female	male	male	male	female
Age	66	51	58	71	78	54
Pathological type	adeno	adeno	adeno	adeno	adeno	adeno
Tumour location	colon	colon	colon	colon	colon	colon
Tomour stage	T3N0M1	T4N2M1	T3N0M0	T2N1M1	T3N0M0	T3N0M0
Lymph node metastasis	no	yes	no	yes	no	no
Metastasis	liver	liver	no	liver	no	no
Survival (0/1)	1	1	0	1	0	0
OS (months)	13.5	18.7	59	18.9	60.2	54.6

The lncRNA profile differences between 6 human CRC tissue specimens and their corresponding normal tissues were detected by Human LncRNA Array v2.0 (8×60 K, Arraystar).

Table S2. A collection of deregulated lncRNAs verified by qRT-PCR in 20 CRC tissues and paired non-cancerous tissues

Name	Chromosome	Regulation	Fold Change	*P* value	Source
BC032913	chr2	down	25.038	0.0229	UCSC_knowngene
BC029135	Chr10	down	25.034	0.0008	misc_RNA
NR_003191	Chr9	down	5.662	0.0001	RefSeq_NR
ENST00000502715	Chr4	up	7.145	0.0057	Ensembl
ENST00000418454	Chr13	up	4.140	0.0072	Ensembl
H19	Chr11	up	3.722	0.0345	RefSeq_NR

Table S3. Primers used in this study.

Gene	Sequence	Product size (bp)
BC029135	5' TAGACAAGGATCGTGCCCCA 3'	154
	5' GTCTGTGCCATGAGGGTGTC 3'	
NR_003191	5' TTGAAACCAGCACCTTCCCTT 3'	176
	5' CGAGAGTTTAGGGCGATCCA 3'	
BC032913	5' AGGGCGTGTCTGAGATTGTG 3'	133
	5' TAGGAGTTCCACCGACGTGA 3'	
ENST00000502715	5' GACCTTCACAATGCCTAGTGACAC 3'	168
	5' ACCATGGGTACATTGTAAGGGTAG 3'	
ENST00000418454	5' CTCTAATTGGGACTCCGAGCCA 3'	167
	5' TCAGTGCCATCCTTTTCCCAC 3'	
H19	5′ TGCTGCACTTTACAACCACTG 3′	101
	5′ ATGGTGTCTTTGATGTTGGGC 3′	
APC	5' AAAATGTCCCTCCGTTCTTATGG 3'	222
	5' CTGAAGTTGAGCGTAATACCAGT 3'	
TIMP3	5' CATGTGCAGTACATCCATACGG 3'	100
	5' CATCATAGACGCGACCTGTCA 3'	
TNFSF10	5' CGTGTACTTTACCAACGAGCTGA 3'	151
	5' ACGGAGTTGCCACTTGACTTG 3'	

CD44	5' CTGCCGCTTTGCAGGTGTA3'	109
	5' CATTGTGGGCAAGGTGCTATT 3'	
MMP13	5' TCCTGATGTGGGTGAATACAATG 3'	184
	5' GCCATCGTGAAGTCTGGTAAAAT 3'	
MYCL	5' AGCGAGGGAGCGGACAT 3'	126
	5' TGGCACCAGCTCGAATTTCT 3'	
KISS1	5' ACAGGCCAGCAGCTAGAATC 3'	237
	5' GTAGTTCGGCAGGTCCTTCT 3'	
NR4A3	5' CATACAGCTCGGAATACACCAC 3'	130
	5' CCCTCCACGAAGGTACTGATG 3'	
DPP10	5' TCCATGCCTGCCCAATTCAT 3'	170
	5' GCAAGTCAACACAGCACAGG 3'	
CTNNB	5' GGTTGCCTTGCTCAACAAAA 3'	365
	5' TCCCAAGGAGACCTTCCATC 3'	
GAPDH	5' CTCCTCCTGTTCGACAGTCAGC 3'	113
	5' CCCAATACGACCAAATCCGTT 3'	