

Table SI. Sequence of primers for cloning.

Gene	Strand	Restriction enzyme	Sequence <sup>a</sup> (5' to 3')
<i>MOSPD1</i>			
5'-flanking	Forward	<i>Xho</i> I	CCG <u>CTCGAG</u> GGGAGAGCAGAACACAAAGG
	Reverse	<i>Bgl</i> II	GGA <u>AAGATCT</u> TCCAAACCCAGTCTTCTTGG
3'-flanking	Forward	<i>Xho</i> I	CCG <u>CTCGAG</u> AGTAGTCAGAGACCTGGGGTTT
	Reverse	<i>Bgl</i> II	GGA <u>AAGATCT</u> GATTTTCGCATTGTTTTCTCTACCC

<sup>a</sup>Restriction enzyme sites are underlined. MOSPD1, motile sperm domain containing 1.

Table SII. Sequence of primers for mutagenesis.

Mutated region	Strand	Restriction enzyme	Sequence (5' to 3')
TBE1	Forward	<i>XhoI</i>	AGTTACCACATCAGCGACCCTTTAAGTAAG
	Reverse	<i>BglIII</i>	CTTACTTAAAGGGTCGCTGATGTGGTAACTGG
TBE2	Forward	<i>XhoI</i>	TAGTCAACAAGATCAGCGTGACACCTGCCATG
	Reverse	<i>BglIII</i>	CATGGCAGGTGTCACGCTGATCTTGTTGACTA
TBE3	Forward	<i>XhoI</i>	ACTGGGTCCAGTTCAGCGAAGATGATGGTGAG
	Reverse	<i>BglIII</i>	CTCACCATCATCTTCGCTGAACTGGACCCAGT

TBE, TCF-binding element.

Table SIII. Sequence of primers for ChIP-qPCR.

Gene	Strand	Sequence (5' to 3')
<i>MOSPD1</i>	Forward	GGACATTCCTCACCATCATC
	Reverse	ACAAGATCAAAGTGACACCTG
<i>RNF43</i>	Forward	TCAACTCTCTGGATAAGGTGGAATAGC
	Reverse	GACTTTTGGGGTGGGTGGGAAATA
Negative control	Forward	AGCTCAGGCCTCAAGACCTT
	Reverse	AAGAAGATGCGGCTGACTGT

ChIP, chromatin immunoprecipitation; MOSPD1, motile sperm domain containing 1; RNF43: ring finger protein 43.

Table SIV. Sequence of primers for 3C assay.

PCR	Region	Sequence (5' to 3')
1st PCR	Promoter	
	5'	ACCATCCTGGCTAACAGTG
	3'	CAAGAAATTGTCAGTCTCACTG
	Enhancer	
	5'	TAGAGAGGCACCAGCGATTC
	3'	GGGTAAATAGATAAGACCTTAAGAG
Nested PCR	Promoter	
	5'	CACCTGGAGTCCCAGCTAC
	3'	CACACCAACCAAACCTCAAAGAT
	Enhancer	
	5'	CAGTTAGTAAACTAGGTCCTGAG
	3'	GAATGTTTTTCTAAACACTGAAGAA

3C, chromatin conformation capture.

Table SV. The clinical and histological information of the 11 CRC cases.

Case	Age,	Sex	Location	Histological classification
CRC1	40	F	Rectum	Well differentiated adenocarcinoma
CRC2	74	M	Ascending colon	Moderately differentiated adenocarcinoma
CRC3	56	M	Sigmoid colon	Moderately differentiated adenocarcinoma
CRC4	39	M	Sigmoid colon	Moderately differentiated adenocarcinoma
CRC5	74	M	Sigmoid colon	Moderately differentiated adenocarcinoma
CRC6	59	M	Ascending colon	Mucinous adenocarcinoma
CRC7	43	M	Sigmoid colon	Well differentiated adenocarcinoma
CRC8	78	M	Transverse colon	Well differentiated adenocarcinoma
CRC9	36	F	Rectum	Moderately differentiated adenocarcinoma
CRC10	51	F	Sigmoid colon	Moderately differentiated adenocarcinoma
CRC11	49	M	Rectum	Moderately differentiated adenocarcinoma

CRC, colorectal cancer.

Table SVI. TCF7L2-binding motifs in the 3'-flanking region of *MOSPD1*.

JASPAR score	Strand	Sequence (5' to 3')	Name of motif
14.737	-	CAAGATCAAAGTGA	TBE2
14.153	-	CCACATCAAAGACC	TBE1
13.362	-	CCAGTTCAAAGAAG	TBE3
7.626	-	GAATAACAAAGAGT	-
5.934	-	AGAGAACAAAAATG	-
4.817	+	GCAAATCACAGAAA	-
4.808	+	AATGAACAAAATAA	-
4.212	-	GTTAATCAAAAAGAT	-

TCF7L2, transcription factor 7 like 2; MOSPD1, motile sperm domain containing 1; TBE, TCF-binding element.