

Table S1. List of validated TaqMan assays, reference genes, miRNA mimics and siRNA assays to be used as reference genes for data normalization.

Genes	ID	Assay ID
Reverse transcription-quantitative PCR		
miR-4647	MI0017274	479880_mir - ThermoFisher Scientific, Inc.
MUC13	56667	Hs00217230 - ThermoFisher Scientific, Inc.
miRNA mimics		
miR-4647	MIMAT0019709	4464066 - ThermoFisher Scientific, Inc.
miRNA mimics negative control		HMC0003 - Sigma Aldrich; Merck KGaA
siRNA		
MUC13	56667	am16708; Ambion; ThermoFisher Scientific, Inc.
control siRNA #1		464058; Ambion; ThermoFisher Scientific, Inc.
RNU48	NR_002745	001006; ThermoFisher Scientific, Inc.
ACTB		IDHs99999903_m1 - ThermoFisher Scientific, Inc.

miR, microRNA; siRNA, small interfering RNA.

Table SII. Characteristics of histological sections and microscopic image fields, representing each colorectal tumor sample used for estimating the parameters.

Quantitative parameter	Microscope objective used	Sections sampled per patient for quantification	Image fields sampled per patient	Number of counting events per patient
AA (mucin 13, colorectal cancer and its stroma)*	x40	1	8	259 intersections on average with mucin 13 positive areas
AA (mucin 13, adjacent peritumoral mucosa)*	x40	1	8	40 intersections on average with mucin 13 positive areas

\*the area fraction  $A_A$  (area per area, dimensionless ratio) of MUC13 within the intestine wall.

Table SIII. The area fraction of MUC13  $A_A$  (area per area, dimensionless ratio; on the base of immunohistochemical detection) within the intestine wall of colorectal tumor samples. Quantitative histopathology was done using stereological methods and the Ellipse software.

Patients no.	Tumor tissue	Adjacent non-tumoral mucose
	AA-Area fraction of MUC13 (area per area) (%)	AA-Area fraction of MUC13 (area per area) (%)
1	33.96	4.04
2	35.98	2.53
3	30.18	
4	24.62	3.28
5	45.45	
6	39.77	12.12
7	35.61	
8	17.42	
9	28.79	6.44
10	38.26	
11	50.38	2.78
12	33.84	
13	40.28	
14	26.77	4.55
15	23.36	
16	44.82	0.63
17	31.69	
18	48.86	4.92
19	31.44	1.39
20	20.83	
21	50.00	4.17
22	36.49	7.95
23	17.93	
24	19.95	7.32
25	26.39	
26	12.88	4.29
27	28.28	0.51
28	33.21	4.80
29	29.17	
30	39.27	5.30
31	30.30	
32	36.49	
33	39.52	5.68
34	10.61	3.41
35	38.01	11.36
36	17.55	
37	35.80	5.05
38	42.55	15.78
39	36.99	2.15
40	17.17	2.65
41	32.07	6.94
42	33.59	0.13
43	46.72	5.93
44	40.03	