	D3S1358	vWA	FGA	Amelogenin	TH01	TPOX	CSF1P0	D5S818	D13S317	D7S820
AGS	15.2	16,17	23,24	Х	6,7	11,12	11,12	9,12	12	10,11
MKN-1	15,17	16	20,23	Х	9	8	9,12	11	10,12	10
MKN-45	15,16	19	19	Х	7	8	12	10,11	8,11	10,11

Supplementary Table 1. Short Tandem Repeat Profiles of the Gastric Cancer Cell Lines

Gene	Primer/probe	Sequence (5'→3')	Product length, bp	Annealing Tm, °C
miR-200a	Forward primer	CCCTATCCGATCCCGACACC	20	59.5
	Reverse primer	AGGGACGTGGGGTTTCGTTA	20	59.1
	Probe	CCTAACTACTCACCGCTCCGATTCTTCCC	29	67.5
mir-200b	Forward primer	AGTGTTTTAGGAGGACGAGGTTT	23	58.3
	Reverse primer	ATACTACCCAATAAAATAACCACGACTA	28	58.0
	Probe	CCGAACTAAATCCGAAAACCGCCCGA	26	66.7

Supplementary Table 2. The Individual Primers and Probes for the MethyLight Assay

Tm, melting temperature.

Curr L	N		miR-	-200a			miR	2-200b	
Type	INO.	Relative expression	p-value	Promoter methylation	p-value	Relative expression	p-value	Promoter methylation	p-value
Tumor differentiation			0.737		0.046		0.300		0.280
MD	28 (70.0)	0.07 (0.04-0.10)		40.17 (29.20–59.30)		0.14 (0.02–0.25)		22.43 (42.48–12.65)	
MD	9 (22.5)	0.10 (0.05–0.15)		28.40 (18.53–68.07)		0.12 (0.04–1.85)		14.99 (4.50–74.86)	
PD	3 (7.5)	0.07 (NA)		90.03 (NA)		0.01 (NA)		63.71 (NA)	
Gross appearance			0.450		0.671		0.979		0.469
Elevated	4 (10.0)	0.07 (0.03–0.25)		39.43 (31.01–45.61)		0.19 (0.03–0.44)		14.79 (11.38–41.19)	
Flat	7 (17.5)	0.12 (0.03–0.49)		39.12 (24.14–43.98)		0.13 (0.07–0.24)		13.96 (5.03–52.27)	
Depressed	29 (72.5)	0.07 (0.04–0.10)		43.59 (24.71–65.15)		0.10 (0.02–0.39)		28.82 (13.34-46.24)	
Lauren classification			0.722		0.528		0.595		0.718
Intestinal type	39 (97.5)	0.07 (0.04–0.12)		40.04 (24.43–58.84)		0.13 (0.02–0.28)		22.73 (11.10-46.43)	
Diffuse type	1 (2.5)	0.07 (NA)		62.34 (NA)		0.01 (NA)		22.37 (NA)	
Tumor size, cm			0.696		0.394		0.721		0.363
≤ 1	11 (27.5)	0.05 (0.03–0.12)		39.12 (17.53–55.18)		0.07 (0.02–0.24)		20.29 (3.96–35.93)	
1-2	16 (40.0)	0.08 (0.05–0.18)		47.90 (26.81–68.19)		0.19 (0.01–0.30)		19.82 (14.09–45.57)	
>2	13 (32.5)	0.07 (0.04–0.12)		40.02 (29.37–55.62)		0.12 (0.02–0.36)		31.55 (12.31–56.21)	
Depth of invasion			0.709		0.111		0.651		0.514
Mucosa	37 (92.5)	0.07 (0.04–0.12)		42.14 (28.72–61.42)		0.13 (0.02–0.28)		22.37 (11.66–48.08)	
Submucosa	3 (7.5)	0.10 (NA)		19.53 (NA)		(NA) 0.09		31.55 (NA)	
Data are presented as WD, well differentiat	s the number (% ed adenocarcin	 o) or median (interquartile ri oma; MD, moderately differ 	ange). entiated adenc	carcinoma; PD, poorly diffe	rentiated adenc	carcinoma; NA, not applic	able.		

Supplementary Table 3. Expression and Promoter Methylation Levels of miR-200a/b According to the Subtypes of Gastric Cancer

Supplementary Table 4. The Promoter Methylation Levels of miR-200a/b in the Helicobacter pylori-Negative Controls, H. pylori-Positive Control	rols,
and <i>H. pylori</i> -Positive Gastric Cancer Group	

	<i>H. pylori</i> -negative controls (n=20)	<i>H. pylori</i> -positive controls (n=20)	<i>H. pylori</i> -positive gastric cancer patients (n=40)
miR-200a	11.5 (3.0–27.9)	28.4 (8.2–49.2)	40.3 (6.4–100.0)
miR-200b	9.9 (3.0–23.5)	15.3 (3.3–25.5)	22.6 (2.8–100.0)

Data are median (ranges) of percentage of methylated reference.

Α		
	1,167,755	CCGCCAGCCC TGTCCCGGTCC CGGCACCACC
	1,167,785	CCTGGCTGCT CACCCCCCCCCCCCCCCCCCCCCCCCCCC
	1.167.815	GGGCTTCCAC AGCAGCCCT GCCTGCCTGG
	1,167,845	CGGGACCCCA CGTCCCTCCC GGGCCCCTGT
	1,167,875	GAGCATCTTA CCGGACAGTG CTGGATTTCC
В		
_	1,167,015	TGTCCTC <mark>AGT GCCCCAGGAG GA<u>CG</u>AGGCCC</mark>
	1,167,045	CCCAGCTACT DADCTTCCCA GCGAGTCCCA
	1,167,075	TGCAACCCTC AGCCGGGCGG CCCCCCGGACC
	1,167,105	CAGCT CG GGCAGC <u>CG</u> TGGCCATCTTACTGG
	1,167,135	GCAGCATTGG ATGGAGTCAG GTCTCTAATA

Supplementary Fig. 1. The sequences of the promoter CpG island region of (A) *miR-200a* and (B) *miR-200b*. The binding sites of the forward and reverse primers were boxed with solid line, and the binding sites of the probe were boxed with dotted line. In this study, methylation status of six CpG sites in the promoter region was analyzed for both *miR-200a* and *miR-200b*, which were highlighted as bold and underline.