Supplementary Table 1. Tumor Suppressor Genes That Are Frequent Targets of Hypermethylation in CRC

Gene	Methylation frequency (%) in CRC	Function
ALX4	60–70	Homebox gene
APC	10–30	Wnt signaling
AXIN2	5–10	Wnt signaling
BMP3	70	Bone and cartilage formation
BNIP3	65–70	Apoptosis
CACNA1G[a]	20–35	calcium metabolism
CDH1	30–55	Cell adhesion
CDH13	50–60	Cell adhesion
$CDKN2A^{INK4a}$ *(p14)*	10–30	Cell cycle
$CDKN2A^{A\text{–}INK4b}$ *(p15)*	30–65	Cell cycle
$CDKN2A^{ARF}$ *(p16)*	20–30	Cell cycle
CDX1	100	Homebox gene
CHFR	63	Cell cycle
DAPK1	40–50	Apoptosis
DCC	50–60	Axonal guidance
DKK1	10–15	Wnt signaling
EGFR	40–50	Cytokine signaling
EYA2	60–70	Development
EYA4	81	Development
GATA4	70	Transcription factor
GATA5	79	Transcription factor
HIC1	50–80	Transcriptional repressor
HLTF	30–50	Transcription factor
HPP1	60–80	Hyperplastic polyposis
IGF2[a]	100	Cell growth
IGFBP3	29	Hormonal signaling
KLF4	25	Transcription factor
MGMT	30–60	DNA repair
MLH1	10–20	Mismatch repair
MMP2	60–70	Protease
MYOD1	>90	Transcription factor
NDRG4	70–85	Putative tumor suppressor gene
NEUROG1[a]	20–65	Putative tumor suppressor gene
RARβ2	10–40	MAPK signaling
RASSF1A	30–55	RAS signaling
RASSF2A	70	RAS signaling
RUNX3[a]	20–35	Transcription factor
SFRP1	82	Wnt signaling
SFRP2	60–90	Wnt signaling
SOCS1[a]	20–30	Cytokine signaling
TFAP2E	51	Transcription factor
TIMP3	20–30	ECM component
TWIST1	63	Transcription factor
UNC5C	70–80	Axonal guidance
Vimentin	50–80	Epithelial–mesenchymal transition
WNT5a	48	Wnt signaling

[a] CIMP marker as proposed by Weisenberger et al, 2006.