

Supplementary Table S2. DNA substrates used for the DNA binding assays.

Name	CpG site	Label	Oligo I	Oligo II	Purification grade and use
HMB550	hemimethylated	ATTO550	MGup	um550	· hybridization of HPLC-purified oligos
HMB700	hemimethylated	ATTO700	MGup	um700	· gel-purification
HhMB700	hemihydroxymethylated	ATTO700	hmCGup	um700	· used for data in figure 2 and
FMB700	fully methylated	ATTO700	MGup	mC700	supplementary figure 1
FhMB550	fully hydroxymethylated	ATTO550	hmCGup	hmC550	
noCG550	no CpG site	ATTO550	noCGup	550-Fill-In	· primer extension for noCG550
HMB550	hemimethylated	ATTO550	MGup	um550	· hybridization of HPLC-purified oligos
HMB647N	hemimethylated	ATTO647N	MGup	um647N	for HMB substrates
					· gel-purification
					· used for data in supplementary figure 2A
UMB550	unmethylated	ATTO550	CGup	um550	· hybridization of HPLC-purified oligos
UMB590	unmethylated	ATTO590	CGup	um590	· used for data in supplementary figure 2B,
HMB590	hemimethylated	ATTO590	MGup	um590	n=2
UMB647N	unmethylated	ATTO647N	CGup	um647N	· hybridization of PAGE-purified oligos
UMB700	unmethylated	ATTO700	CGup	um700	· used for data in supplementary figure 2B,
HMB700	hemimethylated	ATTO700	MGup	um700	n=1