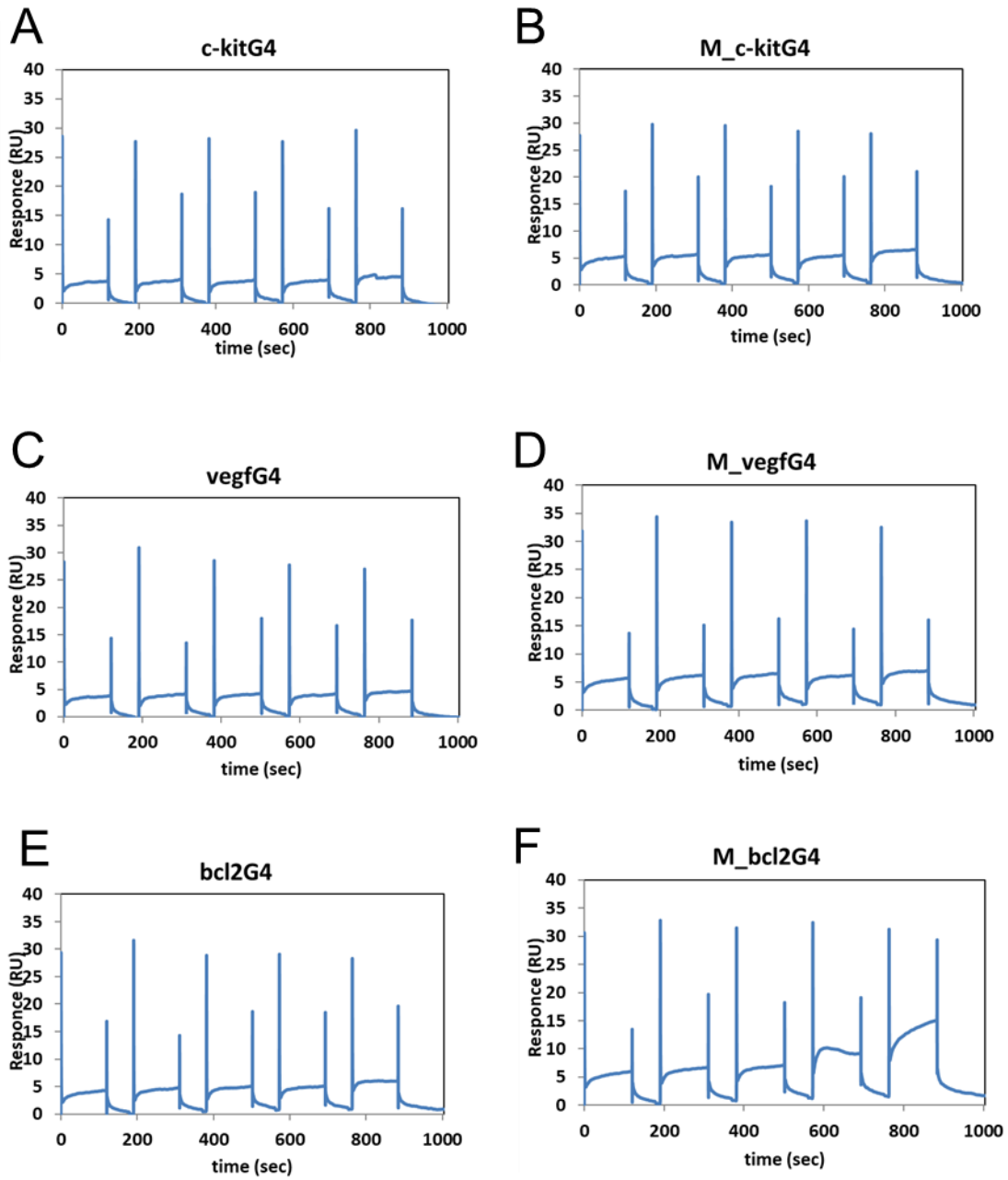
Supporting information

CpG Methylation Changes G-Quadruplex Structures Derived from Gene Promoters and Interaction with VEGF and SP1

Kaori Tsukakoshi, Shiori Saito, Wataru Yoshida, Shinichi Goto, and Kazunori Ikebukuro


A
c-kitG4
Responce (RU)
time (sec)
B
M_c-kitG4
Responce (RU)
time (sec)
C
vegfG4
Responce (RU)
time (sec)
D
M_vegfG4
Responce (RU)
time (sec)
E
bcl2G4
Responce (RU)
time (sec)
F
M_bcl2G4
Responce (RU)
time (sec)

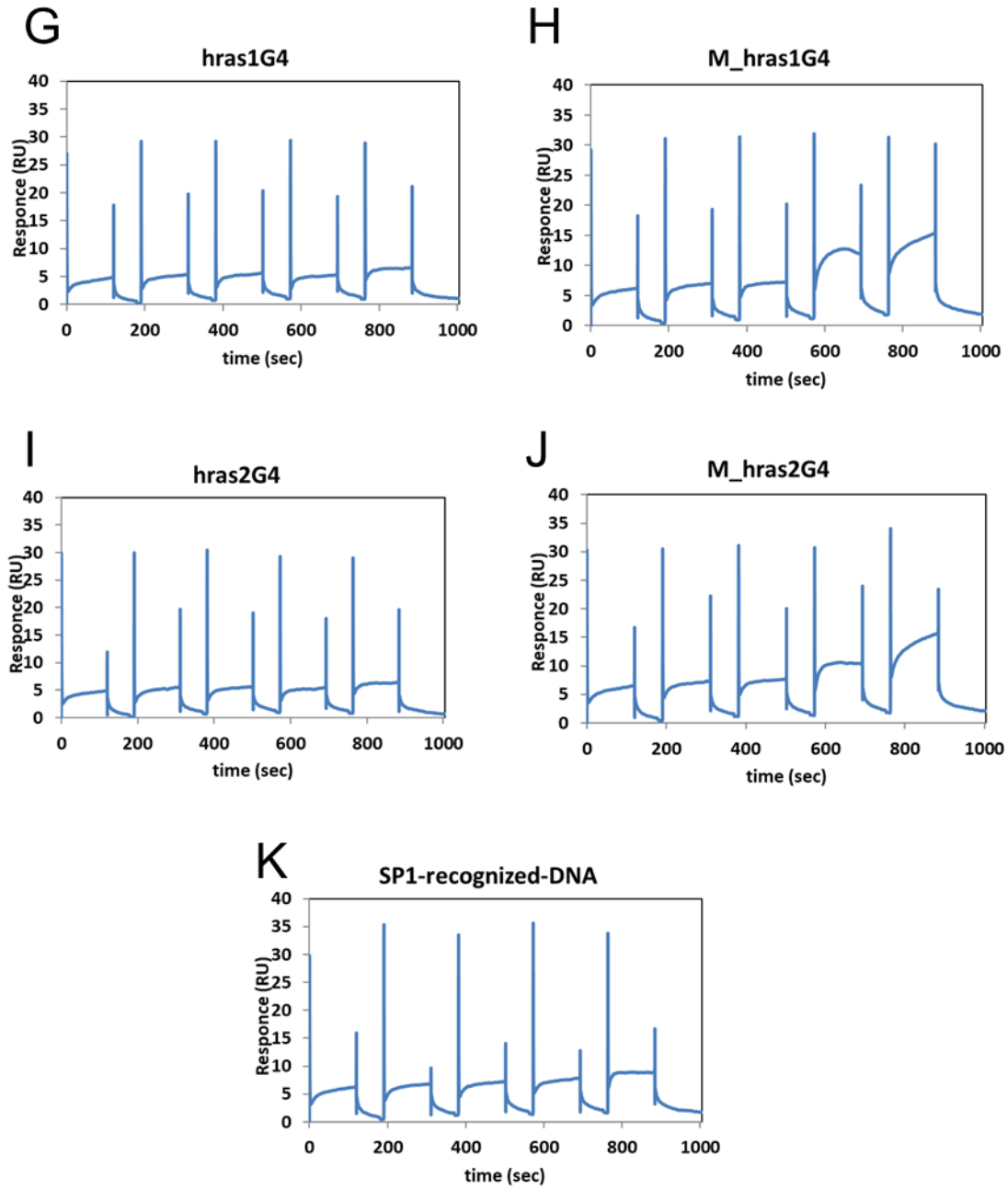


Figure S1. Binding analysis of GST-SP1 to *c-KIT*, *BCL-2*, *VEGF*, *HRAS1*, and *HRAS2* G4 DNA by SPR. Representative SPR binding signal of unmethylated (**A**) and methylated *c-KIT* G4 DNA (**B**), unmethylated (**C**) and methylated *VEGF* G4 DNA (**D**), unmethylated (**E**) and methylated *BCL-2* G4 DNA (**F**), unmethylated (**G**) and methylated *VEGF* G4 DNA (**H**), unmethylated (**I**) and methylated *VEGF* G4 DNA (**J**), or SP1-recognized dsDNA (**K**) to GST-SP1 captured by immobilized anti-GST antibodies on a CM5 chip.

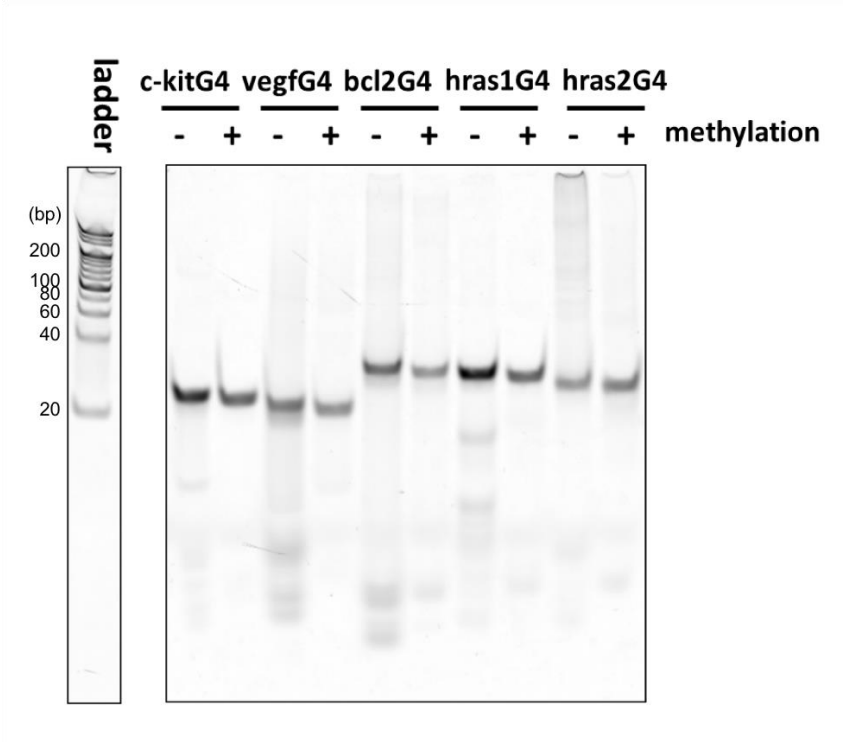


Figure S2. Native-PAGE of double-stranded, unmethylated and methylated *c-KIT*, *BCL-2*, *VEGF*, *HRAS1*, and *HRAS2* G4 DNAs. Oligonucleotides fluorescently labelled with TAMRA were detected. Ladder: DNA marker.