

Supplement

Primer sequences

MSP primers

RASSF1A unmeth forward: 5'-GGT TTT GTG AGA GTG TGT TTA G-3'

RASSF1A unmeth reverse: 5'-CAC TAA CAA ACA CAA ACC AAA C-3'

RASSF1A meth. forward: 5'-GGG TTT TGC GAG AGC GC-3'

RASSF1A meth reverse: 5'-GCT AAC AAA CGC GAA CCG-3'

hMLH1 unmeth forward: 5'-TTT TGA TGT AGA TGT TTT ATT AGG GTT G-3'

hMLH1 unmeth reverse: 5'-ACC ACC TCA TCA TAA CTA CCC ACA-3'

hMLH1 meth. forward: 5'-ACG TAG ACG TTT TAT TAG GGT CGC-3'

hMLH1 meth reverse: 5'-CCT CAT CGT AAC TAC CCG CG-3'

quantitative-PCR primers

hMLH1 forward: 5'-TGC AGC CTC TGA GCA AAC C-3'

hMLH1 reverse: 5'-CAT CTT GCT GCG TAG CCC TG-3'

RASSF1A forward: 5'-AAG TTC ACC TGC CAC TAC CG-3'

RASSF1A reverse: 5'-CAA CAG CTT CCG CAA GTA CA-3'

BLU forward: 5'-GTG TAA ACT GAG CCC TGA AG-3'

BLU reverse: 5'-GCA GCT CTG CAA GAT CTA CT-3'

ARHI forward: 5'-CTG CAT AAG TTC CCC ATC GT-3'

ARHI reverse: 5'-GAA CAG CTC CTG CAC ATT CA-3'

β -actin forward: 5'-TGC GTG ACA TTA AGG AGA AG-3'

β -actin reverse: 5'-GCT CGT AGC TCT TCT CCA-3'