

5' to 3'

-10 kb -8 kb -6 kb -4 kb -2 kb TSS +2 kb +4 kb +6 kb +8 kb +10 kb

CpG
island*CDH1**RABGEF1**STAG1**MYBPC2**VDR**ESR2**MLH1**FLJ43855**PTEN**CDKN2A**PAX5**RUNX2**RUNX3**KIAA1752**MUC8*Non-island
CpG*MAGEA2**DDX53**TFF2**SERPINB5**MSLN*Symbols for retroelements ■, *Alu*; ▨, L1; □, LTR; TSS, transcription start site; —, CpG island; ↓, Primer site