

Supplemental Figure 3

(A)

1,295,224 **Core** **Proximal** 1,295,546
TERT promoter

(B)

Mutant cancer cell lines

A375

UMUC3

GGGACGGGG
↓
GGGATGGGG

TCGGGACGGGGCGGGG
↓ ↓ ↓
TTGGGATGGGGTGGGG

TERT promoter
(bisulfite conversion)
No methylation

GGG**A**NGGGG

TN**GGG**ANGGGGGN**GGGG**

ChIP:

Input

GGG**A**TGGGG

TTGGGANGGGGTGGGG

H3K4me2/3

GGG**A**NGGGG

TCGGGANGGGGCGGGG

H3K27me3

(C)

Wild-type cancer cell lines

253J

NCI-H358

AGGGGTCTGGG
↓
AGGGGTTGGG

CTCCGCCACGTG
↓ ↓
TTTTGTTATGTG

TERT promoter
(bisulfite conversion)
No methylation

AGGGGGTTCGGG

ChIP:

Input

AGGGGTNGGG

TTTCGTTATGTG

H3K4me2/3

H3K27me3