

Reference sequence

...ccggcatggtttaacgct...
 | |
 me me

TTGGCATGTTTAAACGTT

Reference after bisulfite conversion

C → T

G → A

Read conversion

TTGG**T**ATGTTTAA**T**GTT

TT**A**ACAT**A**TTTAAAC**A**TT

(1)

(2)

(3)

(4)

Alignment to converted
reference sequences

...**tt**gg**t**atggtttaa**tgt**...

...cc**aa**cat**a**ttttaaac**a**ct...

...**aa**cc**a**tacaaatt**taca**...

...gg**tt**gta**t**aaatttg**tga**...

(1)

(2)

(3)

(4)

Determine best unique alignment