

A

Reference

>> **ACGTCGCT** TGATAGCT >>

Coordinate: 4875362

Seed Table

original seed

bisulfite seeds

key	value
ACGTCGCT	4875362, ...
ACGTCGTT	4875362, ...
ACGTTGCT	4875362, ...
ACGTTGTT	4875362, ...
ATGTCGCT	4875362, ...
ATGTCGTT	4875362, ...
ATGTTGCT	4875362, ...
ATGTTGTT	4875362, ...

Read >> **ATGTCGCT** TGAGAGCT >>

B

Ref >> **ACGTCGCT** TGATAGCT >>

Mask 110111110111011111111111111111110111

Read >> **ATGTCGCT** **TAA**CAGCT >>

001110110110011111100000100100111

Masked Read >> **ACGTCGCT** **TAA**CAGCT >>

000110110110011111100000100100111

C

Ref >> **ACGTCGCT** **TGA**TAGCT >>

00011011011001111110001100100111

Masked Read >> **ACGTCGCT** **TAA**CAGCT >>

000110110110011111100000100100111

XOR Result 00000000000000000000000010001000000000



match



mismatch