

# TEST SAM FILE



Not aligned (should not be loaded but counted as not aligned)

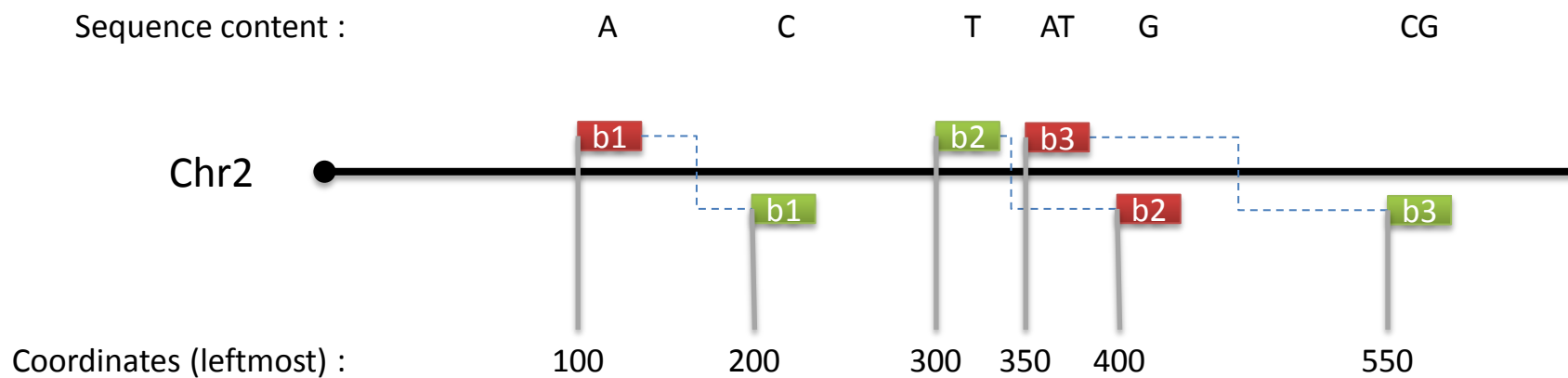
a2

First in pair

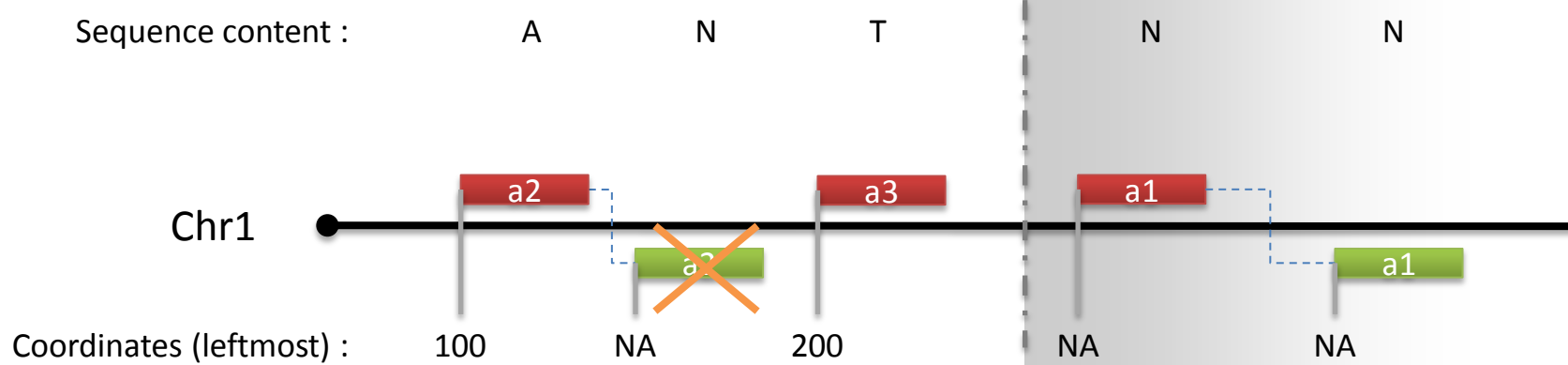
a2

Second in pair

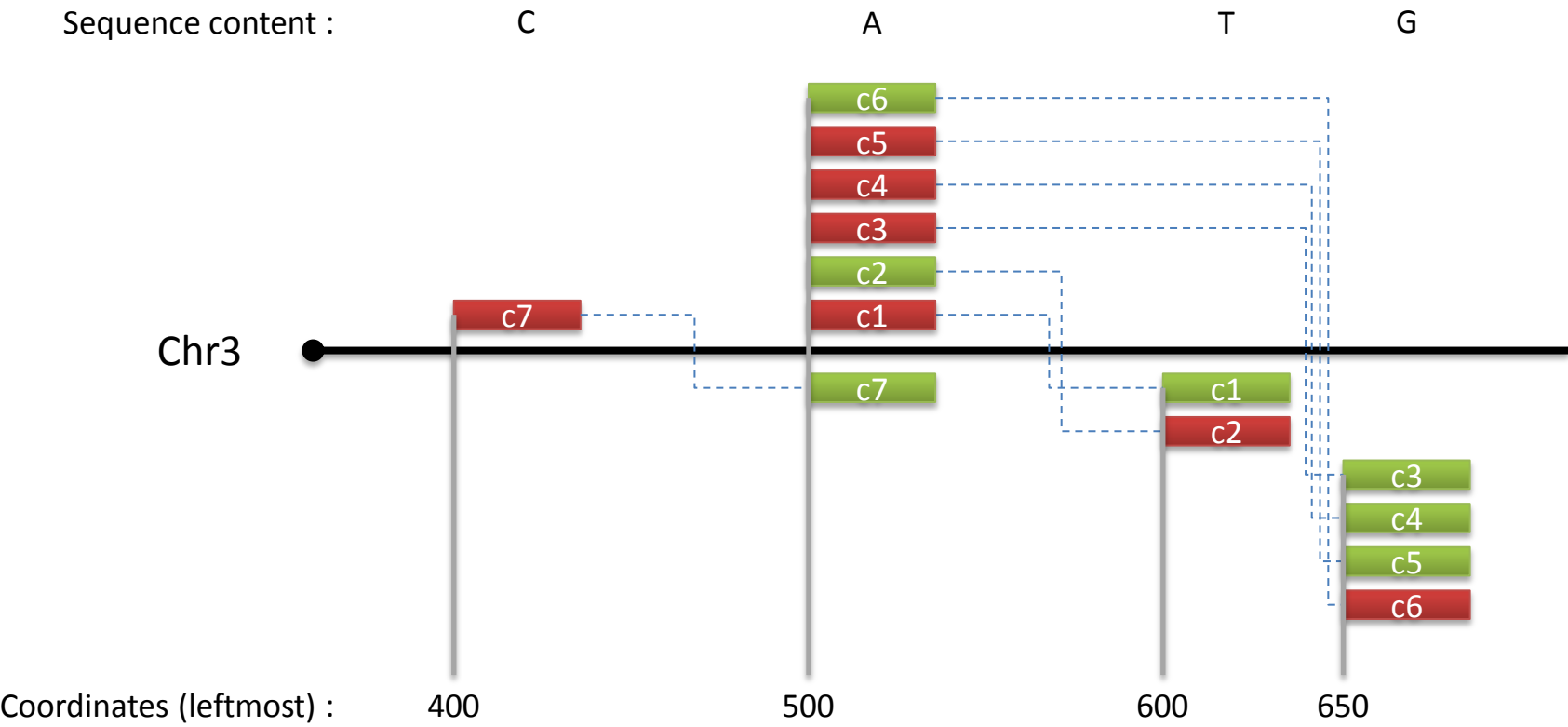
## Typical reads for pileup (pairs b1 to b3)



## Not aligned , orphan loading, or mix-mode (IDs a1 to a3)

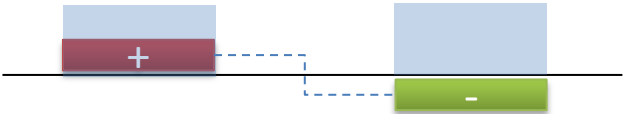


Artefacts : pairs c1 to c7 (for thresholds 0 and 2)

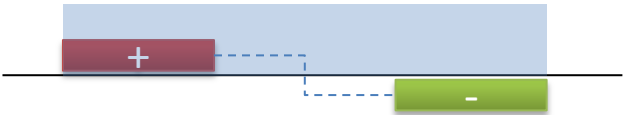


Piling strategies

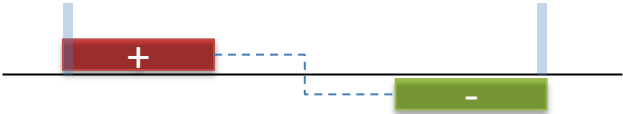
Paired-ends      Elongation 0      Standard Piling



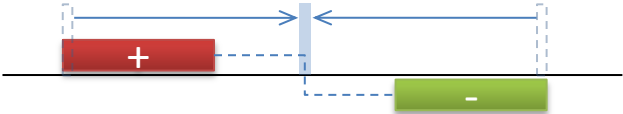
Paired-ends      Elongation NA      Standard Piling



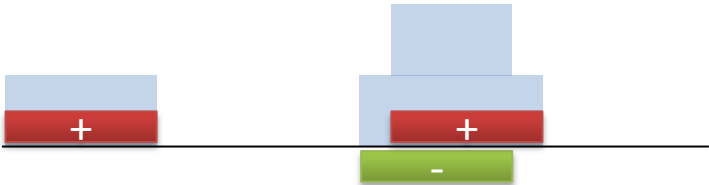
Paired-ends      Elongation 0      Midpoint Piling



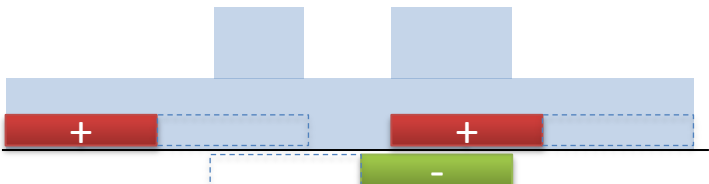
Paired-ends      Elongation NA      Midpoint Piling



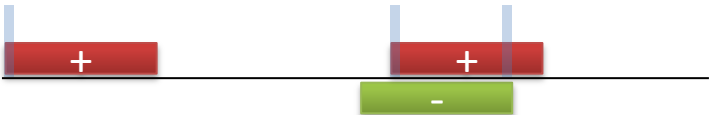
Single-end      Elongation 0      Standard Piling



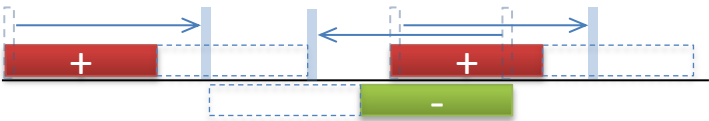
Single-end      Elongation NA\*      Standard Piling



Single-end      Elongation 0      Midpoint Piling

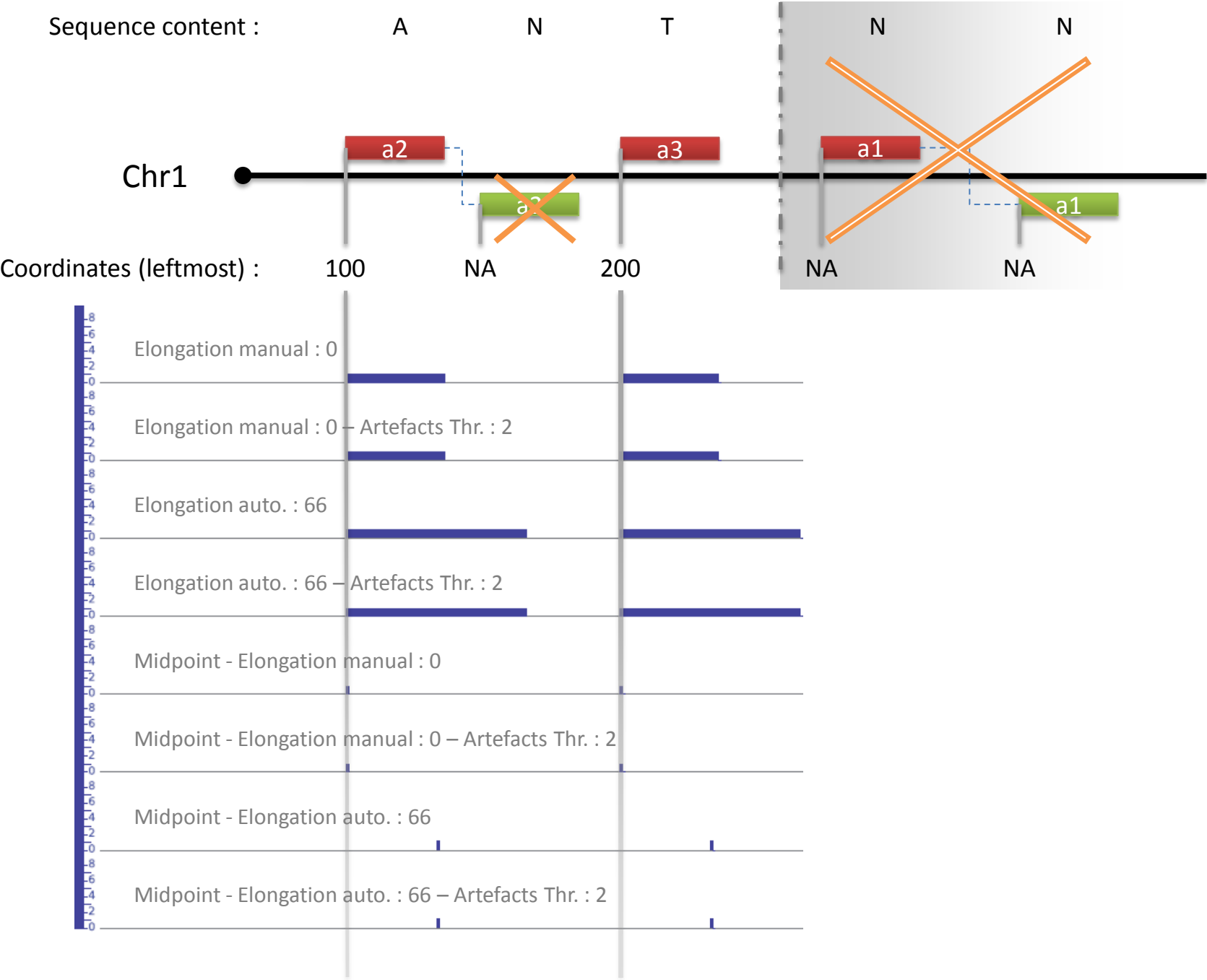


Single-end      Elongation NA\*      Midpoint Piling

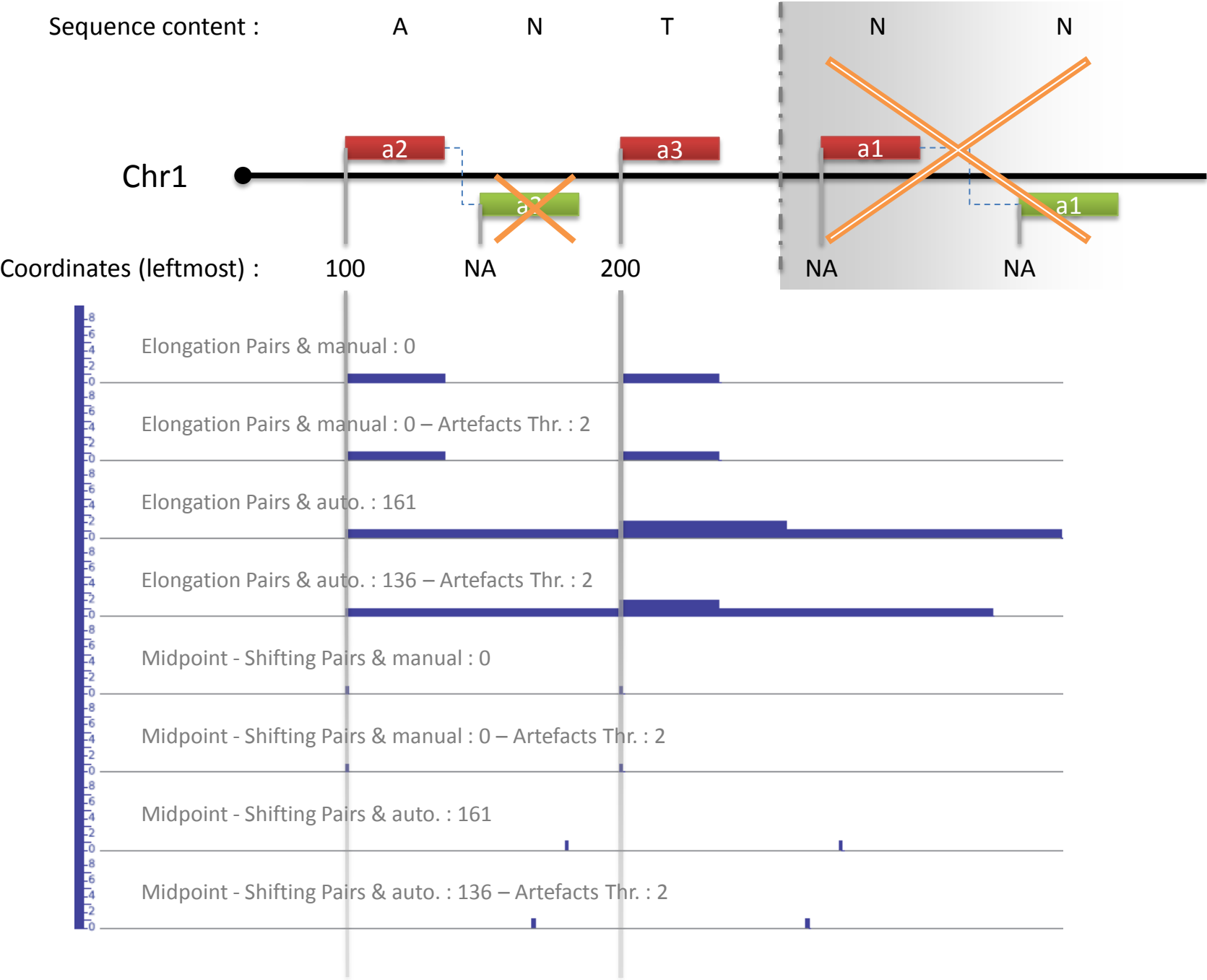


\* NA for automatic estimation or manual specification

Not aligned , orphan loading, or mix-mode (IDs a1 to a3)  
Validation Single-End

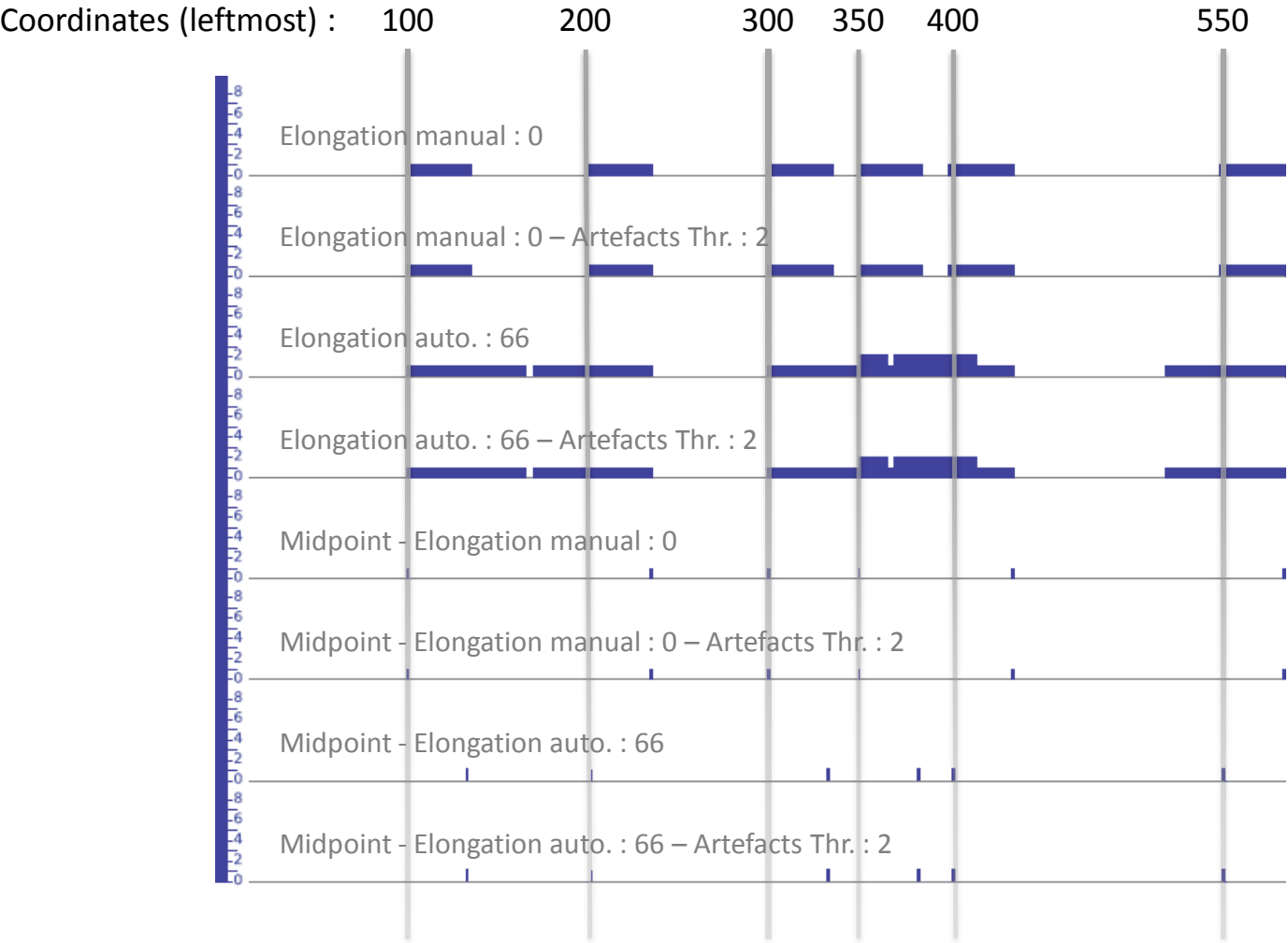
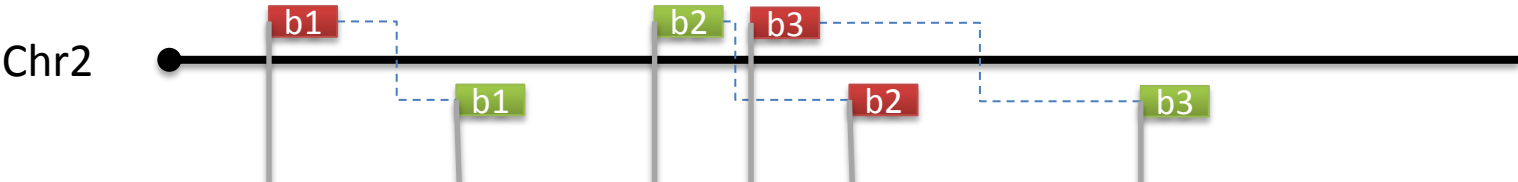


Not aligned , orphan loading, or mix-mode (IDs a1 to a3)  
Validation Paired-Ends



Typical reads for pileup (pairs b1 to b3)  
Validation Single-End

Sequence content :      A                      C                      T      AT      G                      CG



Typical reads for pileup (pairs b1 to b3)  
Validation Paired-Ends

Sequence content :

A

C

**T**

AT

G

CG

Chr2

b1

b2

b3

b1

b2

b3

Coordinates (leftmost) :

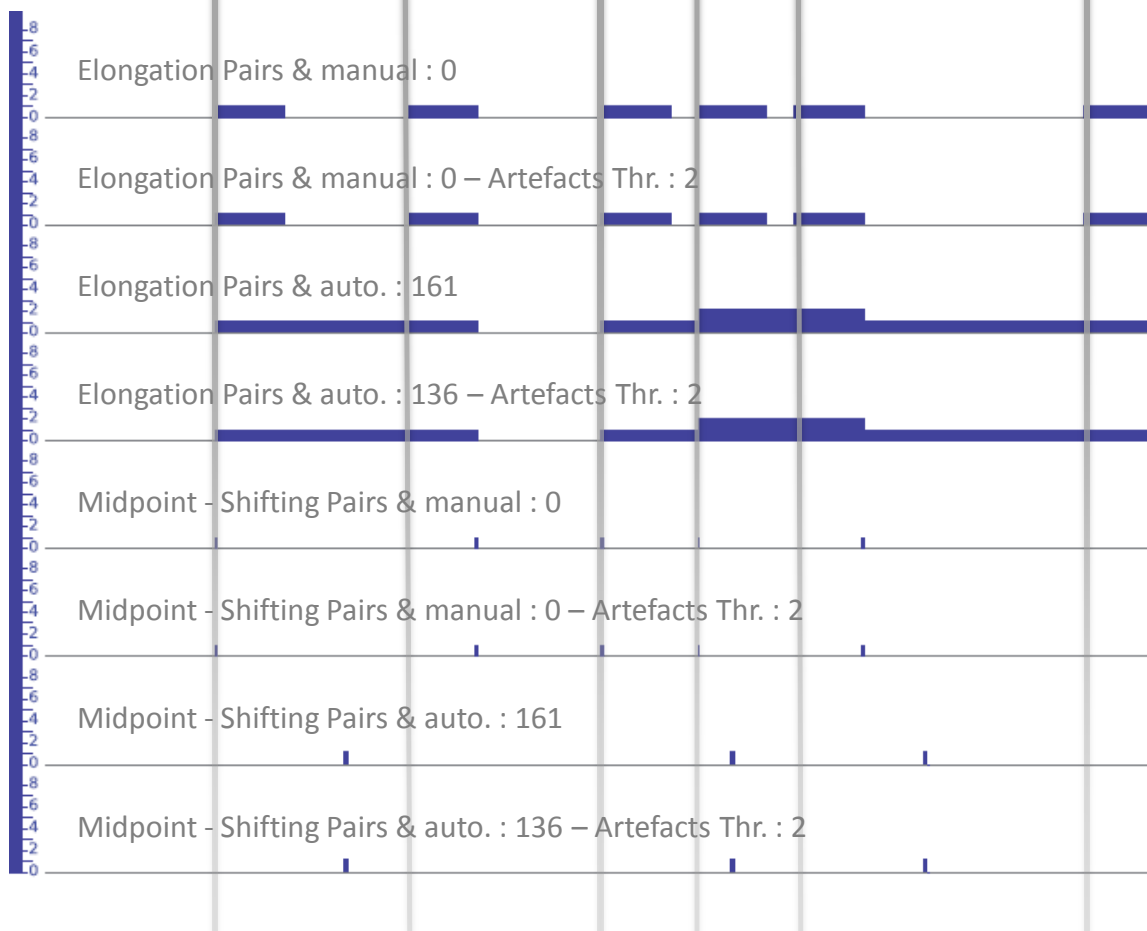
100

200

300

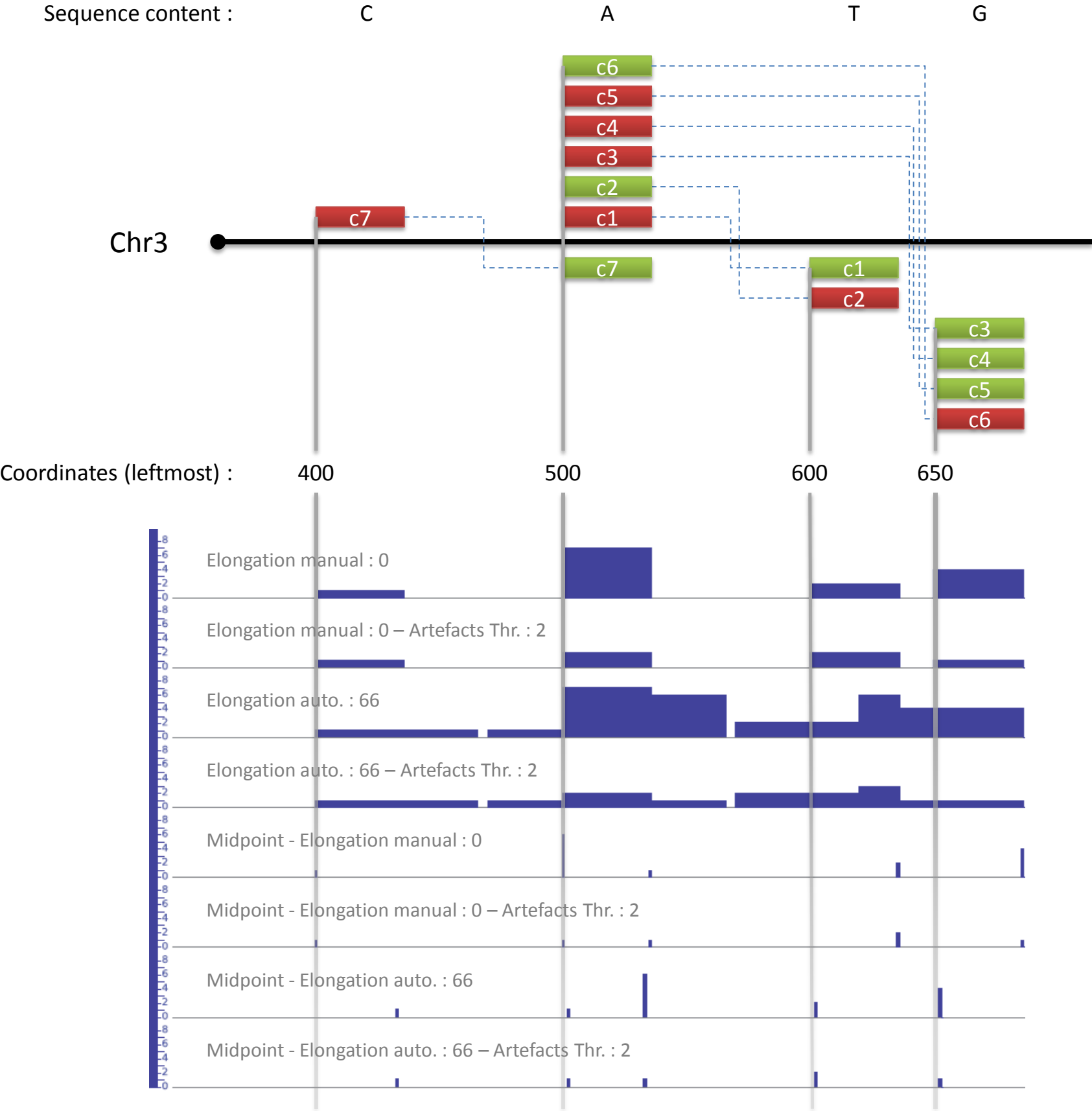
400

550

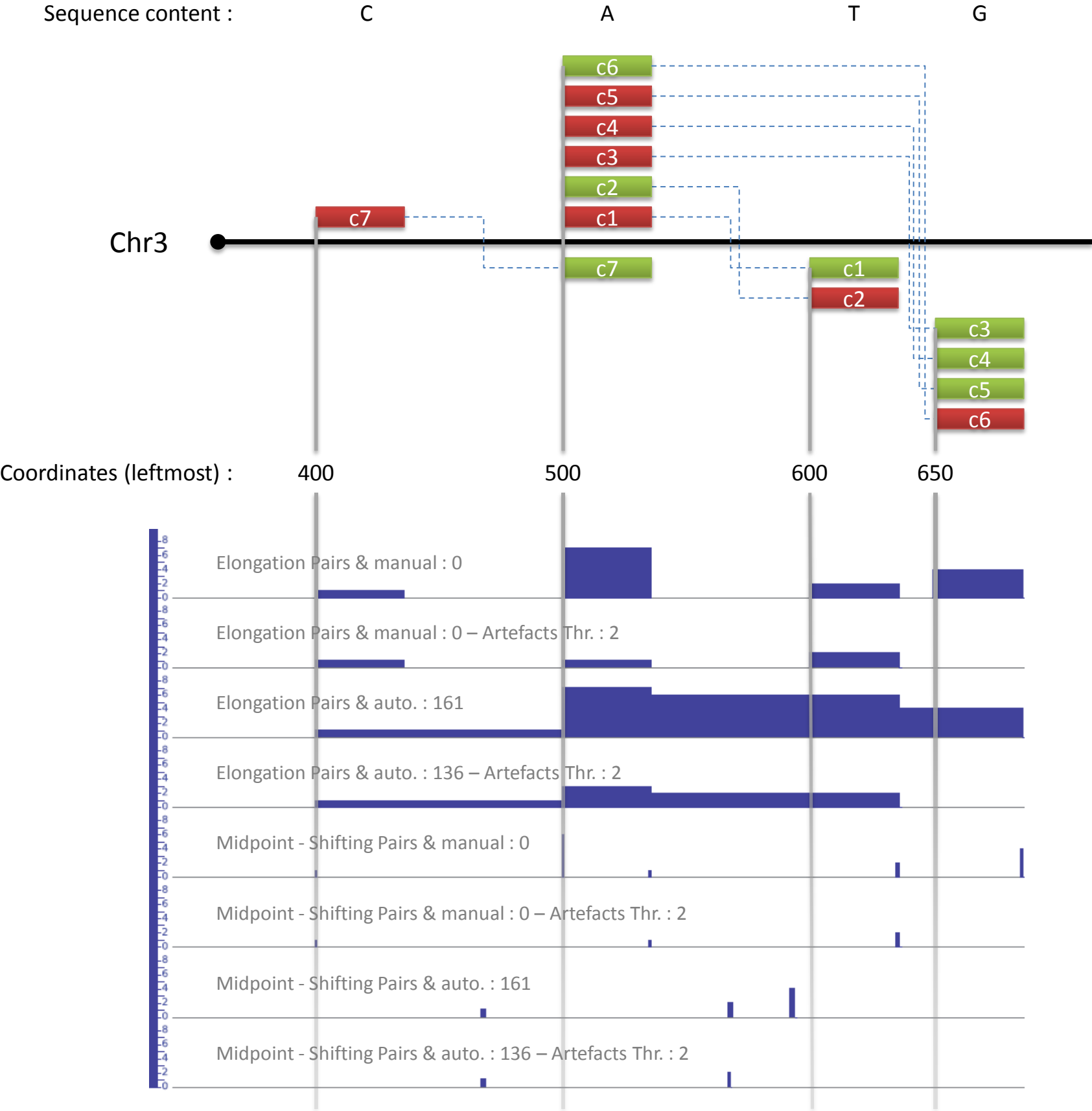




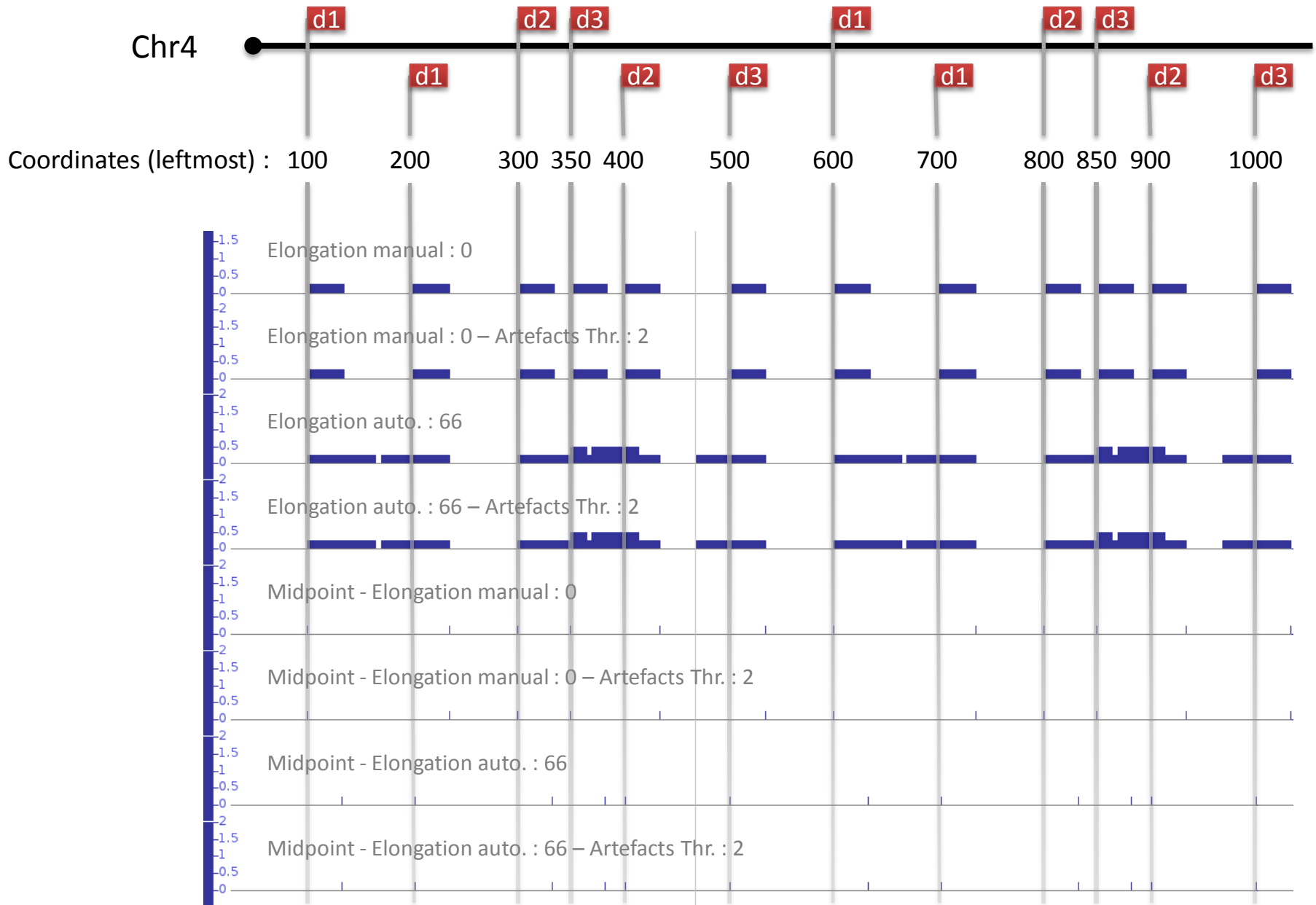
Artefacts : pairs c1 to c7 (for thresholds 0 and 2)  
Validation Single-End



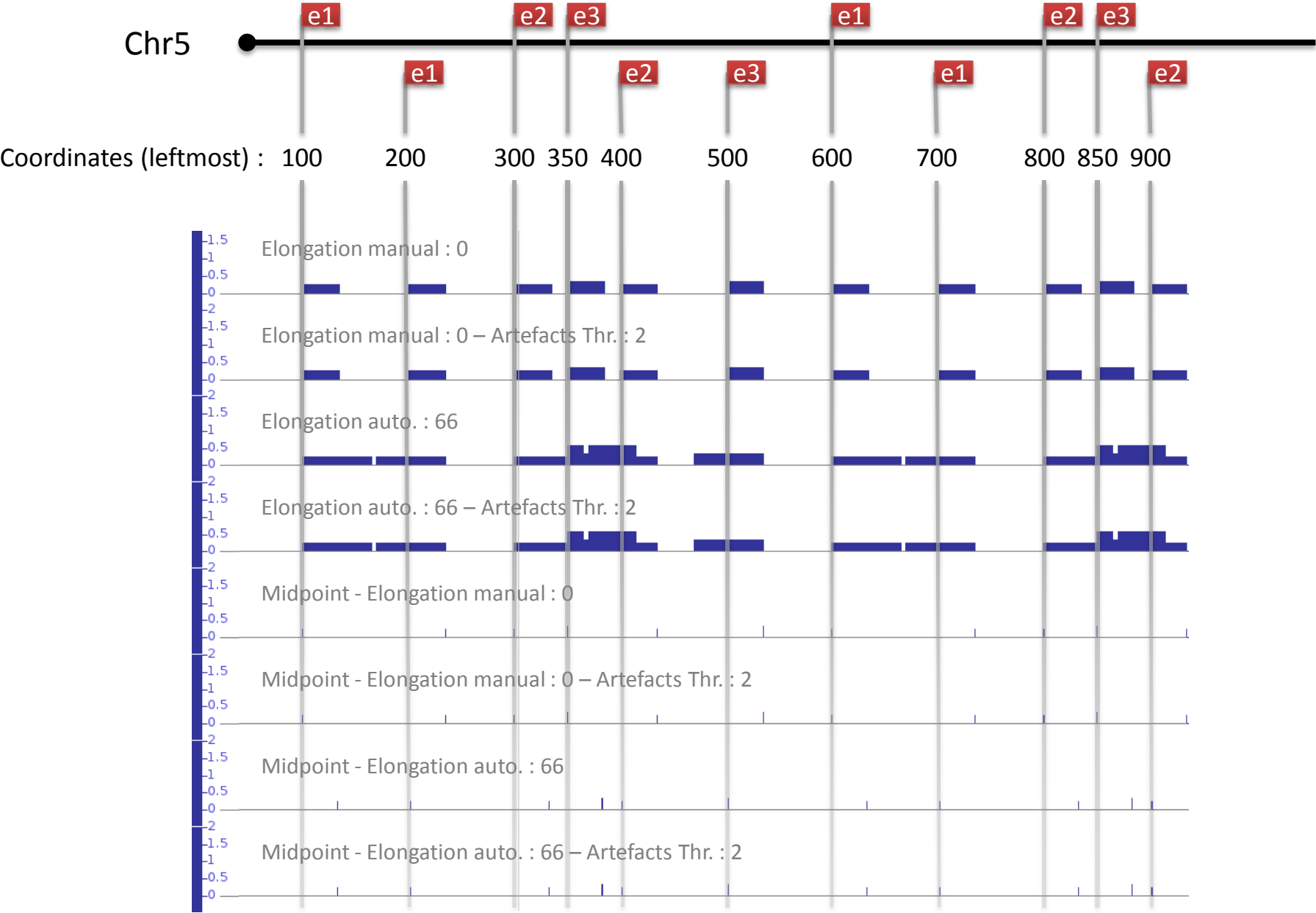
Artefacts : pairs c1 to c7 (for thresholds 0 and 2)  
Validation Paired-Ends



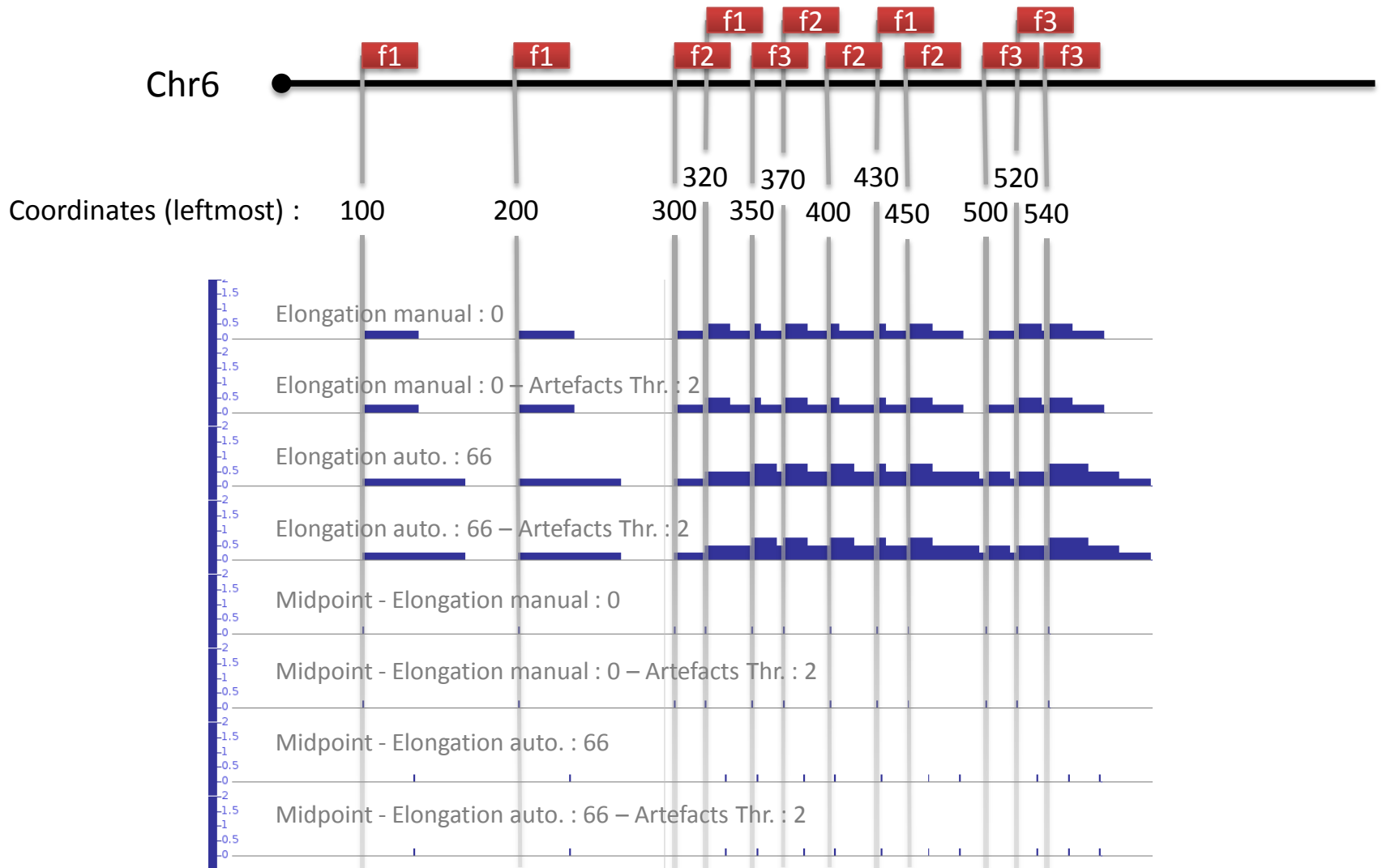
Multiread for pileup test 1  
3 tags repeated 4 time each, no overlap  
Validation Single-End



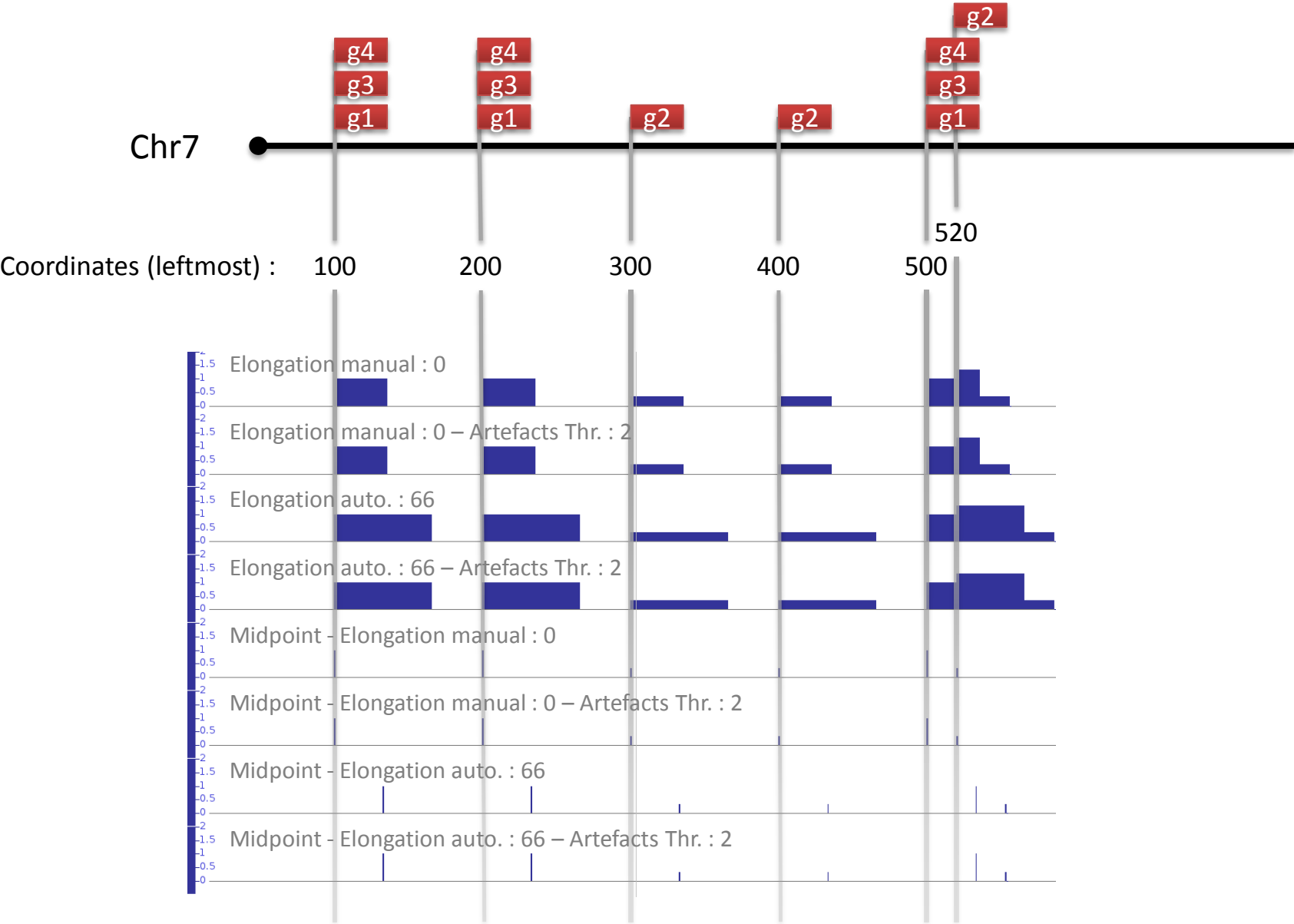
Multiread for pileup test 2  
2 tags repeated 4 time each, 1 tag repeated 3 times, no overlap  
Validation Single-End



Multiread for pileup test 3  
3 tags repeatead 4 time each with overlap  
Validation Single-End



Multiread for pileup test 4  
4 tags repeated 3 time each with artefact  
Validation Single-End



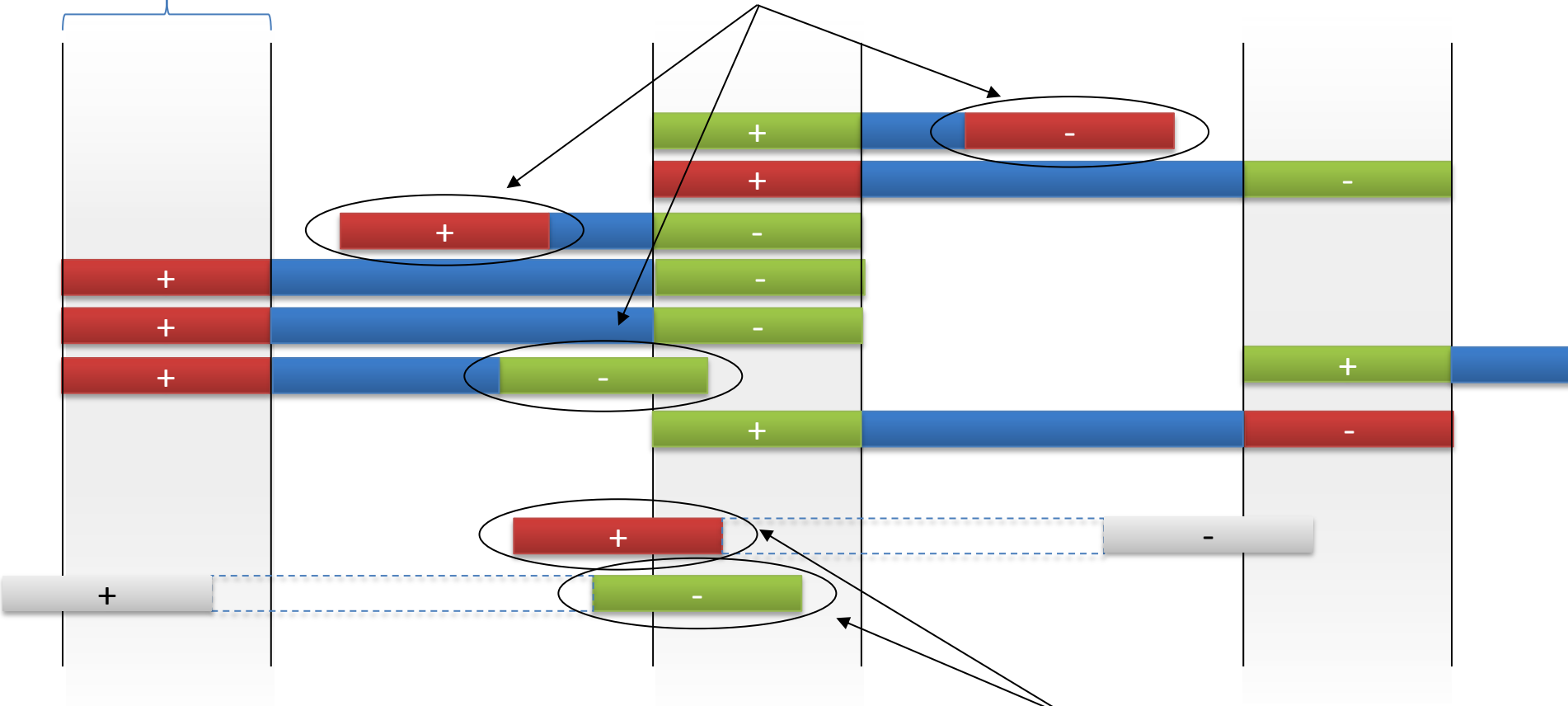


First In Pair  
Second In Pair  
Insert Core  
Not Aligned

# Orphans (Paired-ends)

Artefact region

Orphan mates from artefact removal



Orphan mates