Same position and read, different cigar

>> original read 1

ERR009309.10029966 0 chr5 49601595 8
6M5D68M5D2M32S * 0 0

>> reverse complemented read 1

ERR009309.10029966 16 chr5 49601595 6
6M5D73M5T3M21S * 0 0

>> original read 2

ERR009309.10039069 0 chr17 21650375 6
30M3156M19S * 0 0

>> reverse complemented read 2

ERR009309.10039069 16 chr17 21650375 6
31M3155M19S * 0 0

ATGGTGATGGTGATGGTGATGATGATGATGATGATGATGGTGATGGTCAGGATGGTGATGGT GAAAATGATGGTGGTGATAGGGATGATGTTGGTGATGG

Same position and read, different cigar and edit distance

>> original read 1

ERR009309.10029966 0 chr5 49601595 8
6M5D68M5D2M32S * 0 0

>> reverse complemented read 1

ERR009309.10029966 16 chr5 49601595 6
6M5D73M513M21S * 0 0

>> original read 2

ERR009309.10043627_2 0 chr9 97341294 20 53M1T5M49S * 0 0

TTTGTCTTGTGTCTTTATTTCTACACTCTCTCCTCCCGCACACGGGGAGAACCAACGACCCTTGTGG GGCGGGCCCCTACAGTGGATGTGGTAGATATACATTTC <<;85:;<246228<;3299.0-*.-130-(%1./)(,%+(\$,&&21-

(%\$&\$\$/41*,\$()*3&\$&&/'*(%),&\$\$,\$%%)\$+*\$\$()%4%(&%*%()-%'%*%** HI:i:1 NH:i:1 NM:i:2

>> reverse complemented read 2

ERR009309.10043627_2 16 chr9 97341294 20 57M51S * 0 0

(%\$&\$\$/4<mark>1*,\$()</mark>*3&\$&&/'*(%),&\$\$,\$%%)\$+*\$\$()%4%(&%*%()-%'%*%** HI:i:1

NH:i:1 NM:i:1

Same position, read, and edit distance, different cigar >> original read 1 21650375 ERR009309.10039069 chr17 0 6 30M3I56M19S GAAAATGATGGTGGTGATAGGGATGATGTTGGTGATGG 9+/9899<9<<6=<8=(7:::;/<<293)(/2':(583 HI:i:1 NH:i:1 NM:i:6 >> reverse complemented read 1 ERR009309.10039069 16 chr17 21650375 6 31M3I55M19S GAAAATGATGGTGGTGATAGGGATGATGTTGGTGATGG 9+/9899<9<<6=<8=(7:::;/<<293)(/2':(583 HI:i:1 NH:i:1 NM:i:6 >> original read 2 ERR009309.10148086 2 chr14 52159476 20 16 28S49M1I30M CCACACACACACACACACAGGTTCACGAAGCTTGAAATGAAGAAAAAAATGTTAAGGGCAGCCAGAGAG AAAGGTCAAGTTACCCACAAAGGGAAGCCCATCAGACT 0''%6%:-1//,2%%-%*(9%''.3+\$,)&&\d0)9.2',<'*'-9853163-+4-4**26/723:??8=<=;>,::<<68638><9;>;?>;><?>><:????>>?? HI:i:1 NH:i:1 NM:i:2 >> reverse complemented read 2 ERR009309.10148086 2 0 chr14 52159476 28S50M1I29M 0 CCACACACACATACACAACAGGTTCACGAAGCTTGAAATGAAGAAAAAAATGTTAAGGGCAGCCAGAGAG 0''%6%:-1//,2%%-AAAGGTCAAGTTACCCACAAAGGGAAGCCCATCAGACT %*(9%''.3+\$,)&&&0)9.2',<'*'-9853163-+4-

4**26/723:??8=<=;>,::<<68638><9;>;?>;><?>><:????>>??

NM:i:2

HI:i:1 NH:i:1