

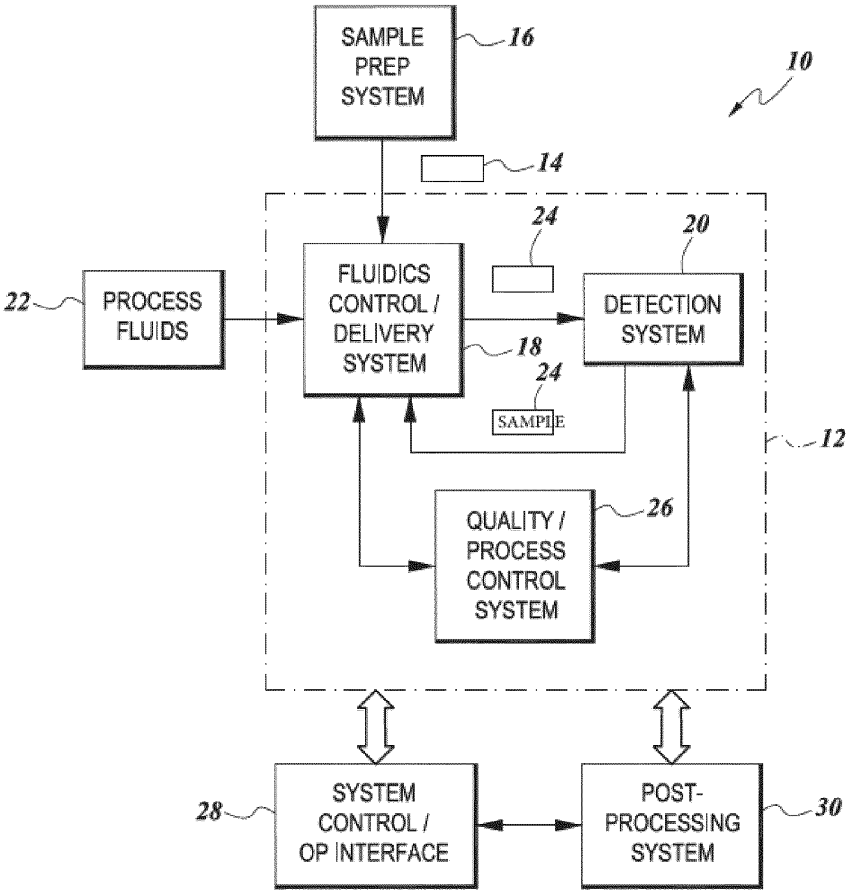


FIGURE 1

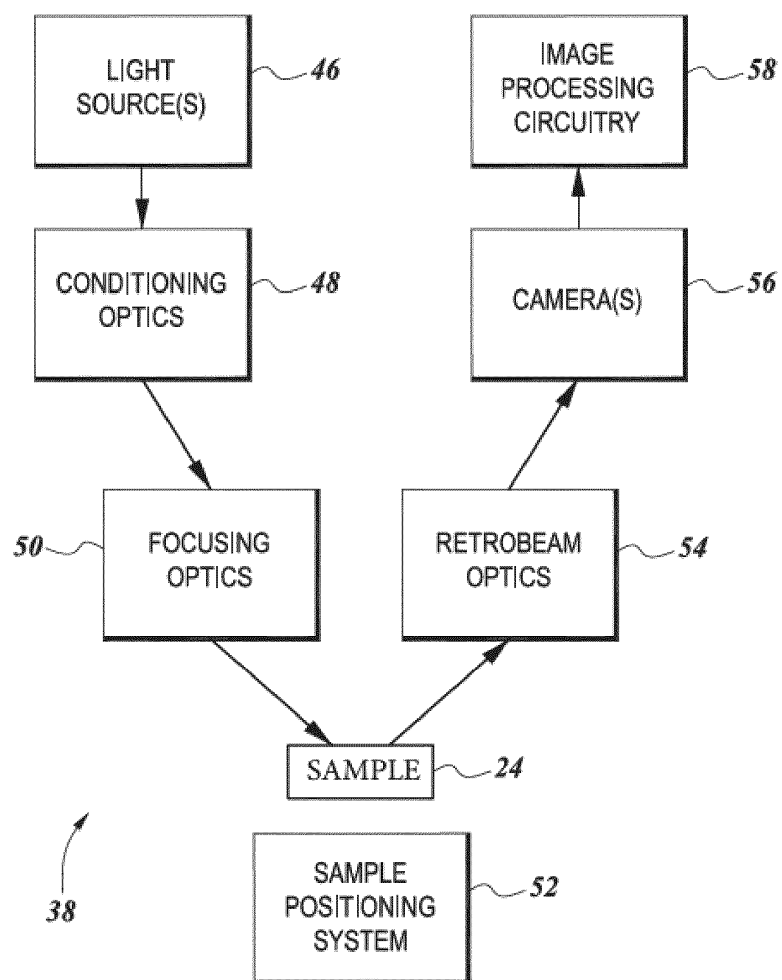


FIGURE 2

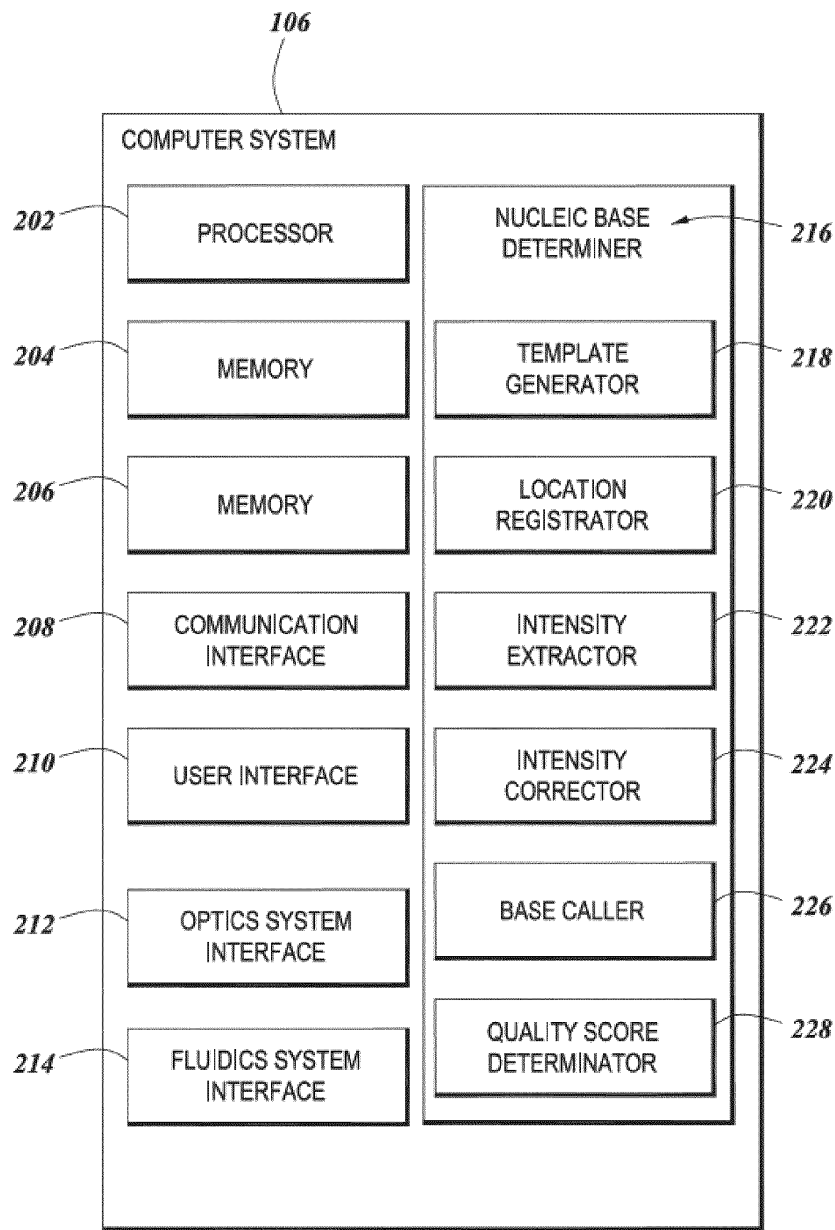
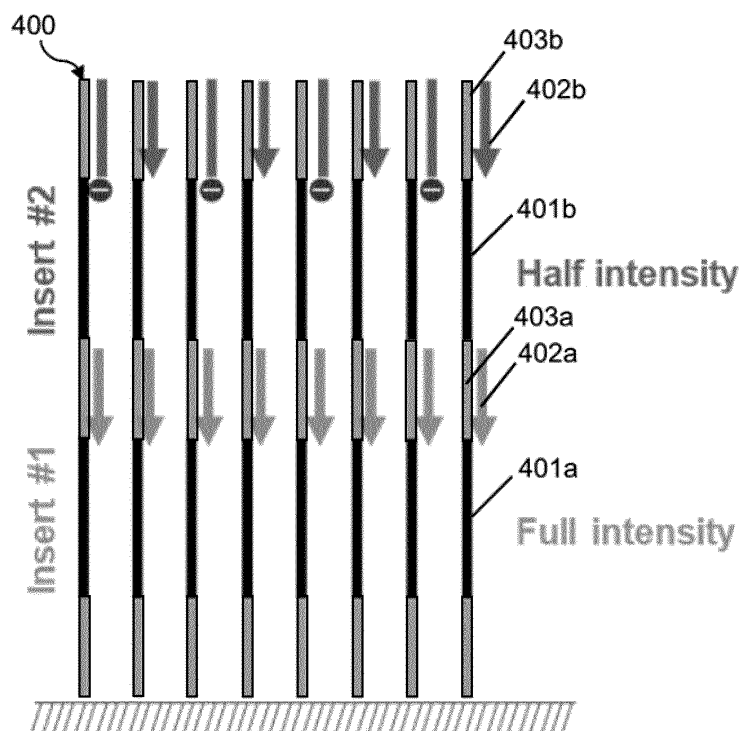
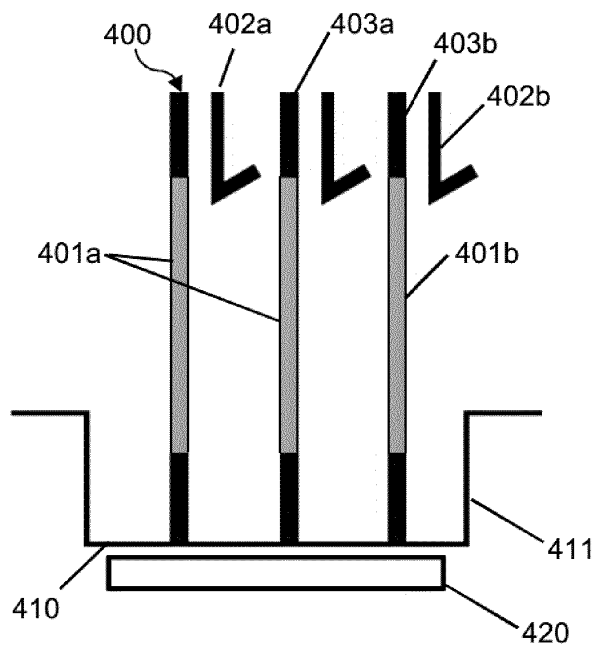


FIGURE 3



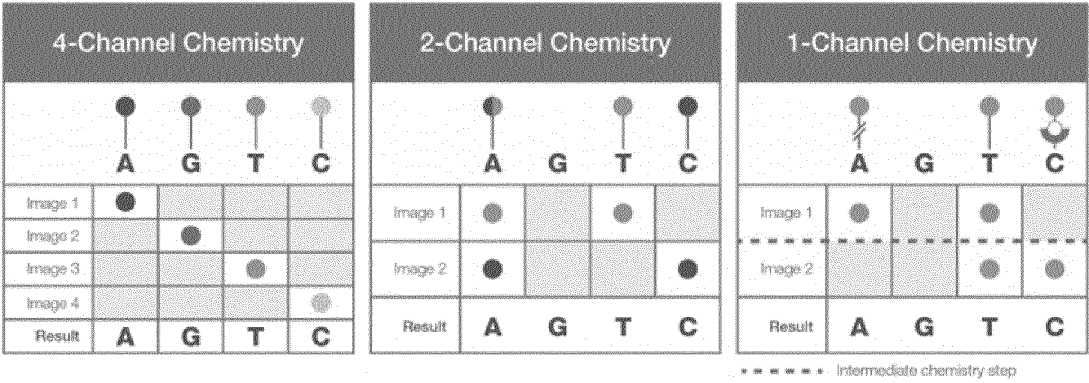


FIGURE 5A

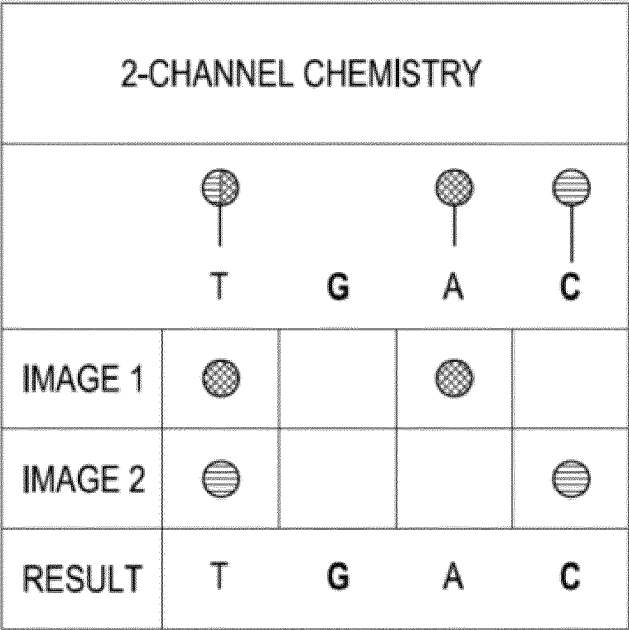


FIGURE 5B

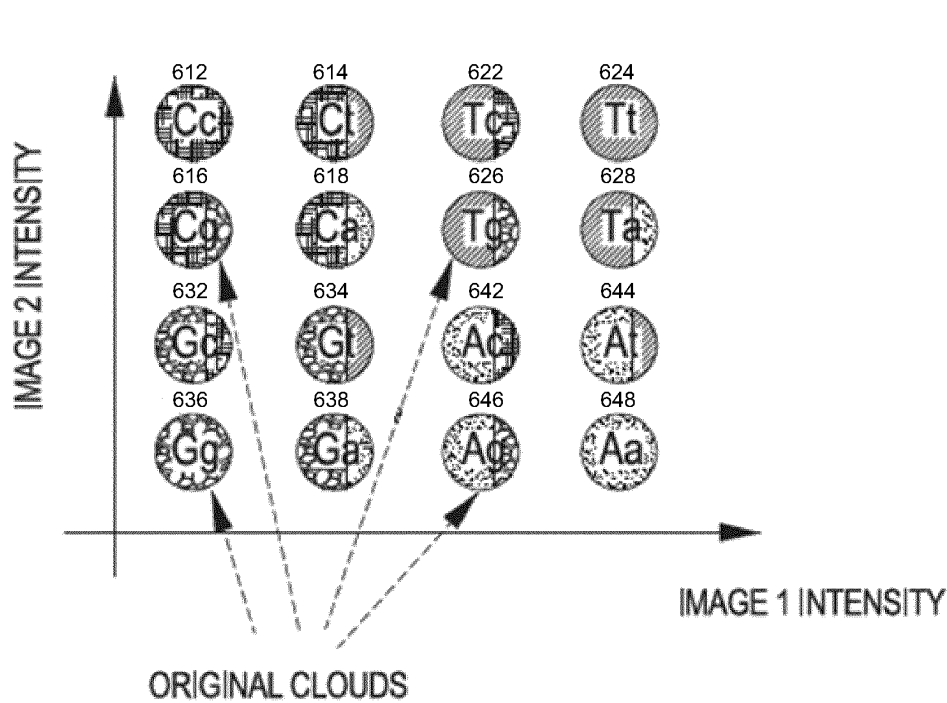


FIGURE 6

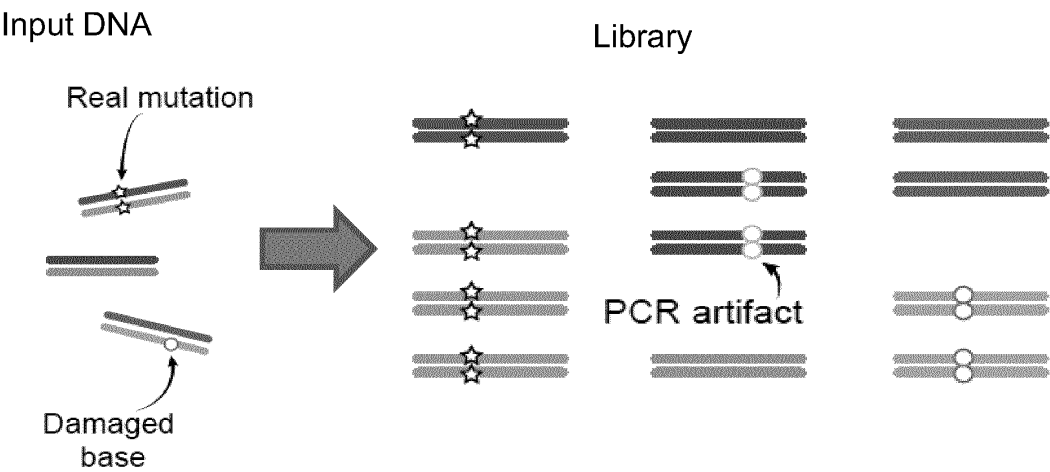


FIGURE 7

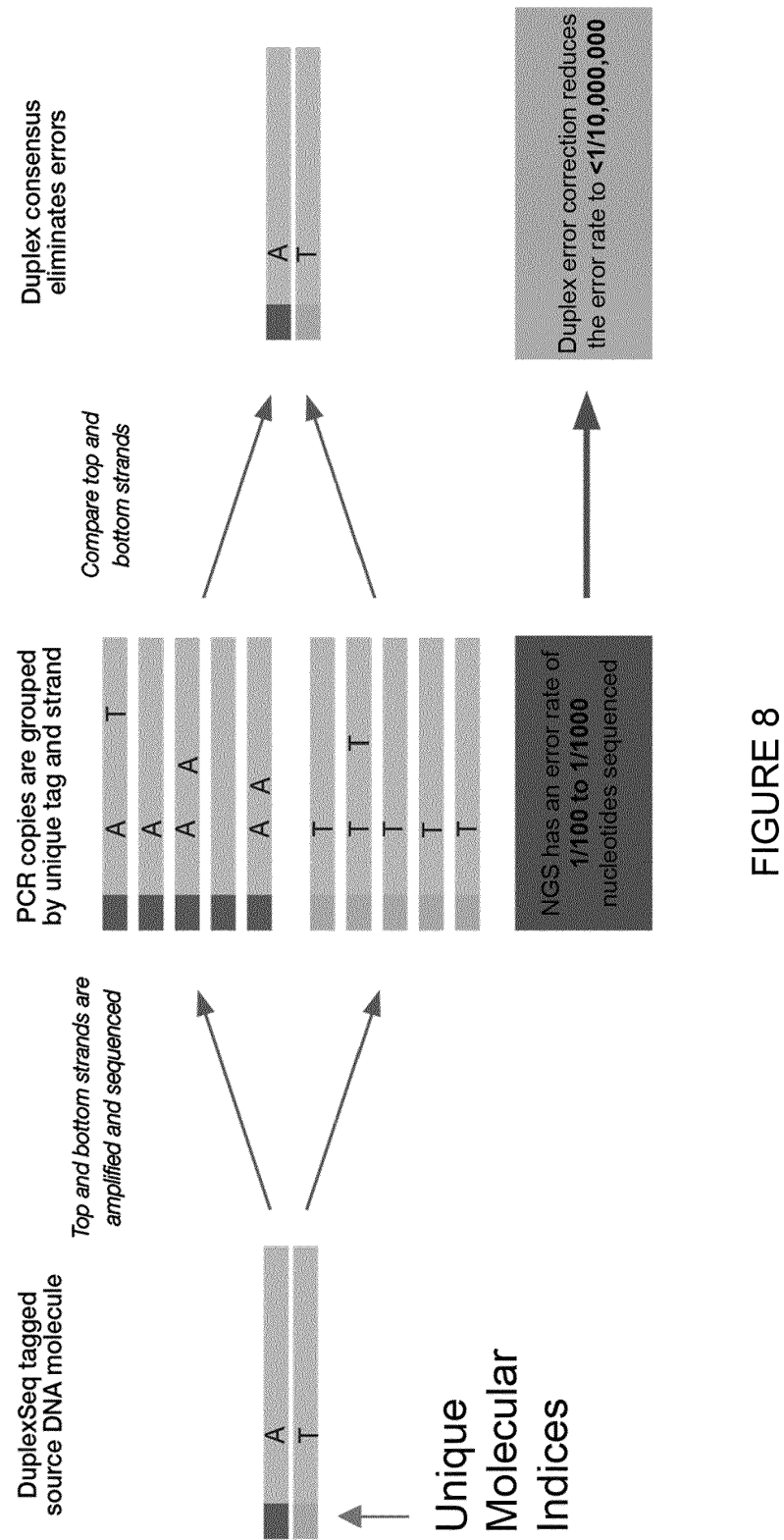


FIGURE 8

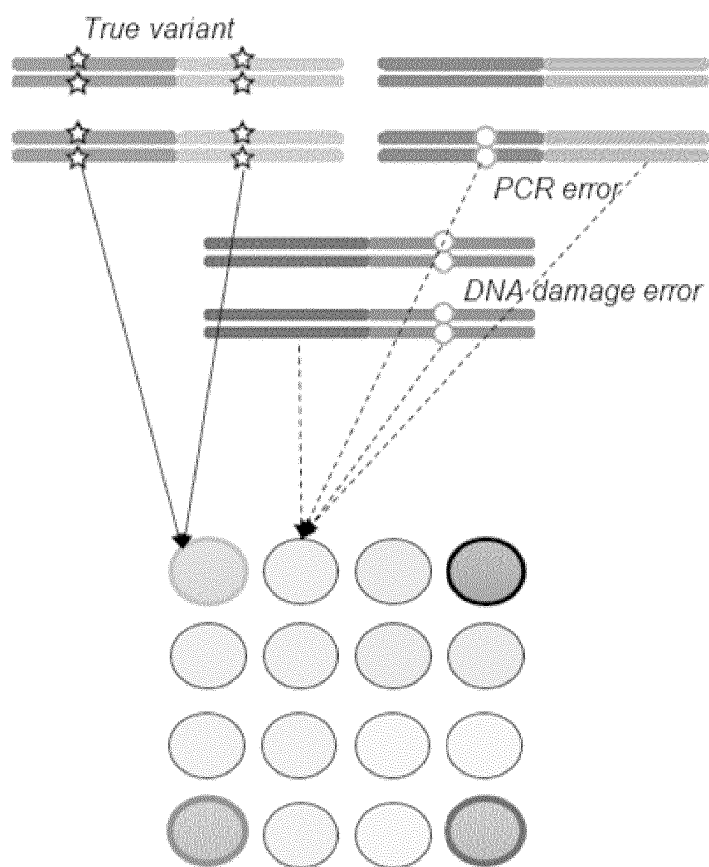


FIGURE 9

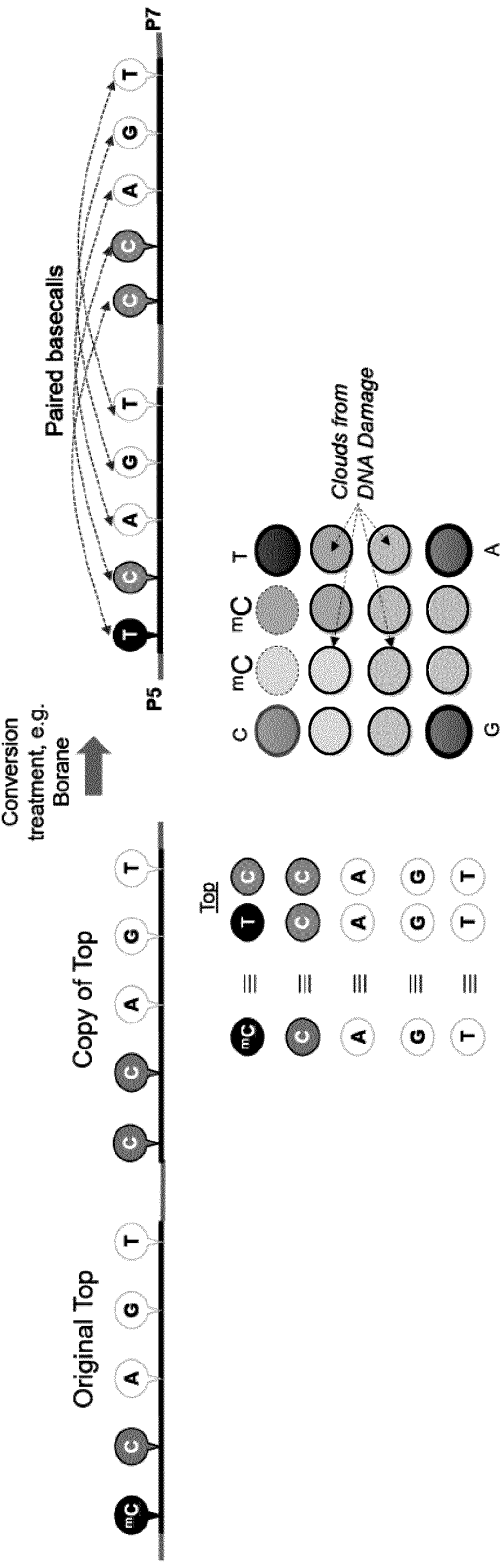


FIGURE 10

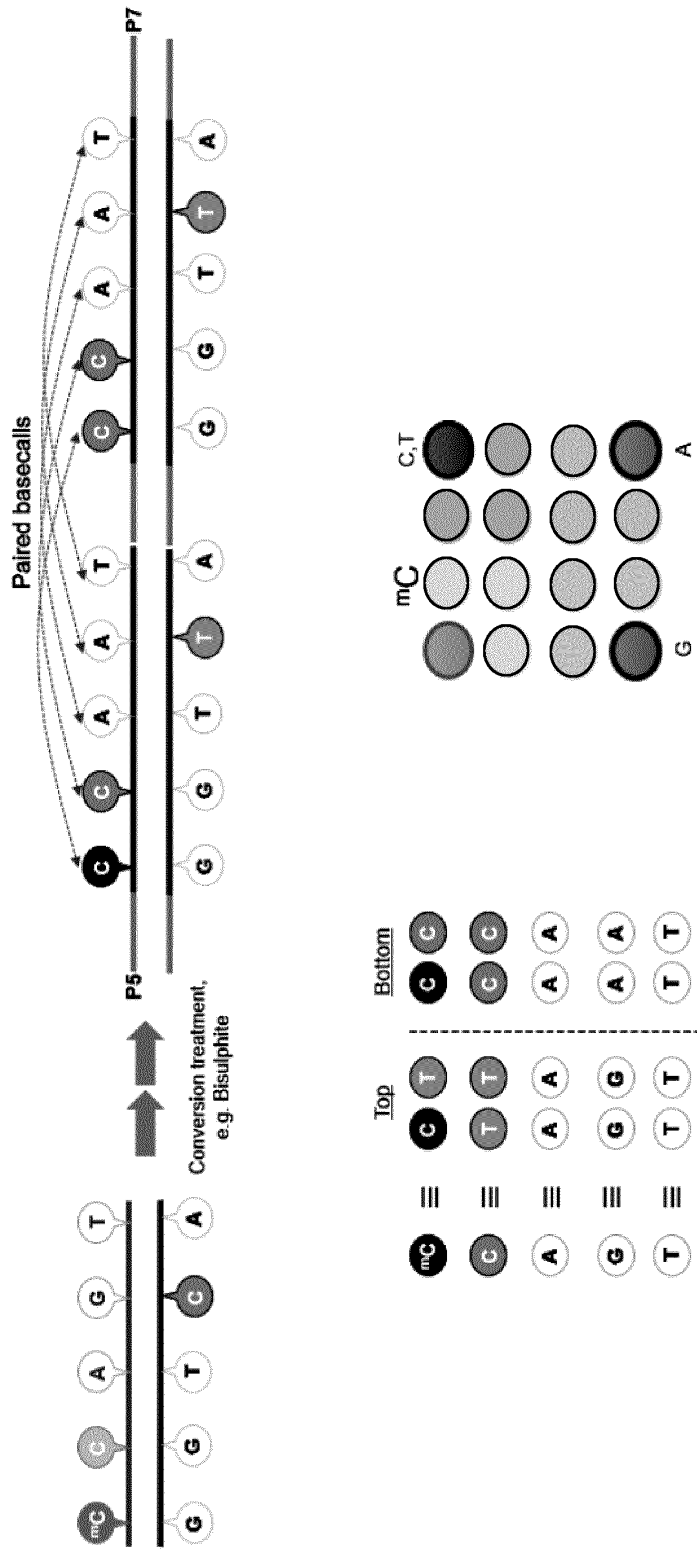


FIGURE 11

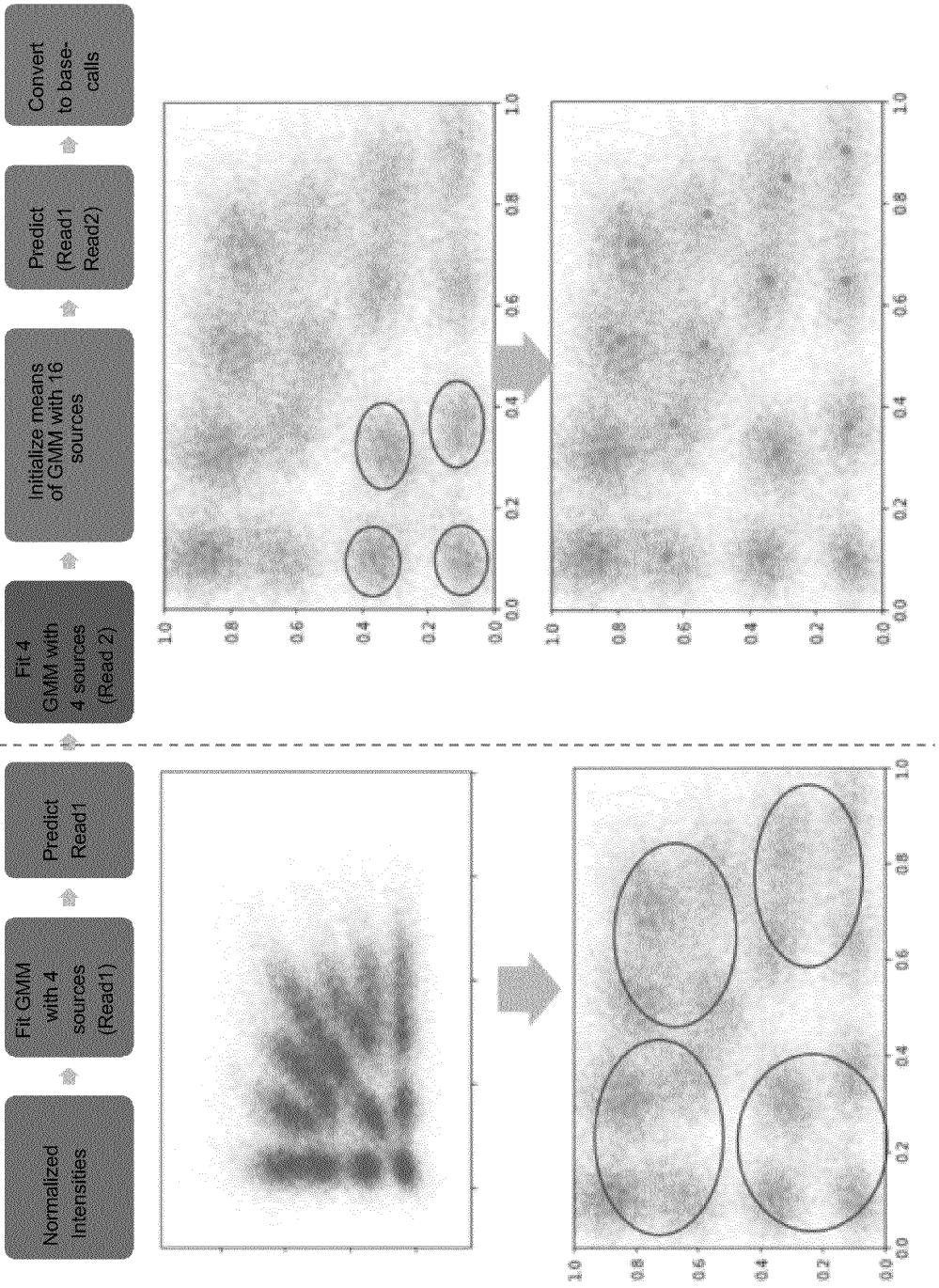


FIGURE 12

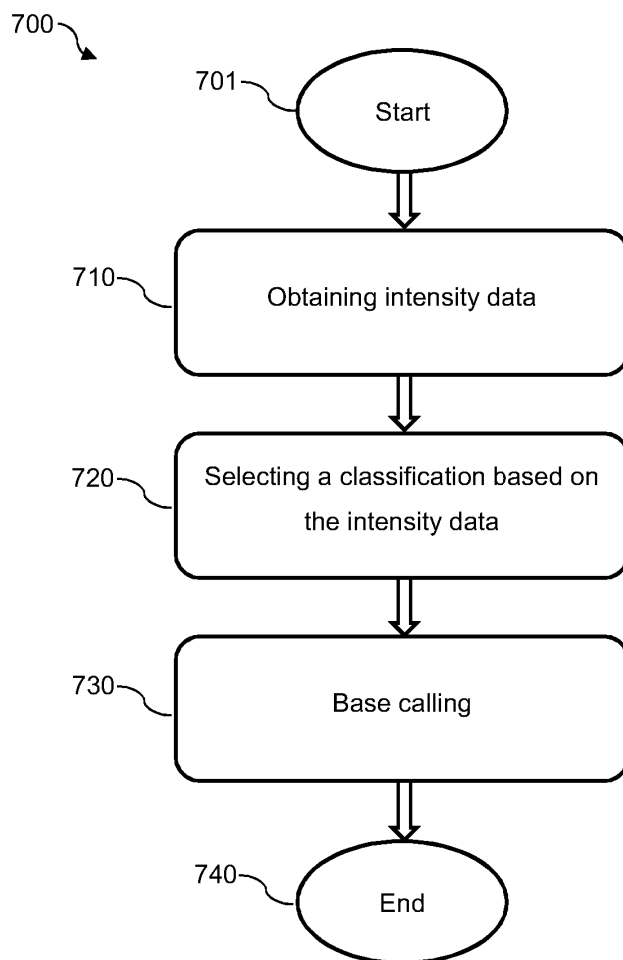


FIGURE 13

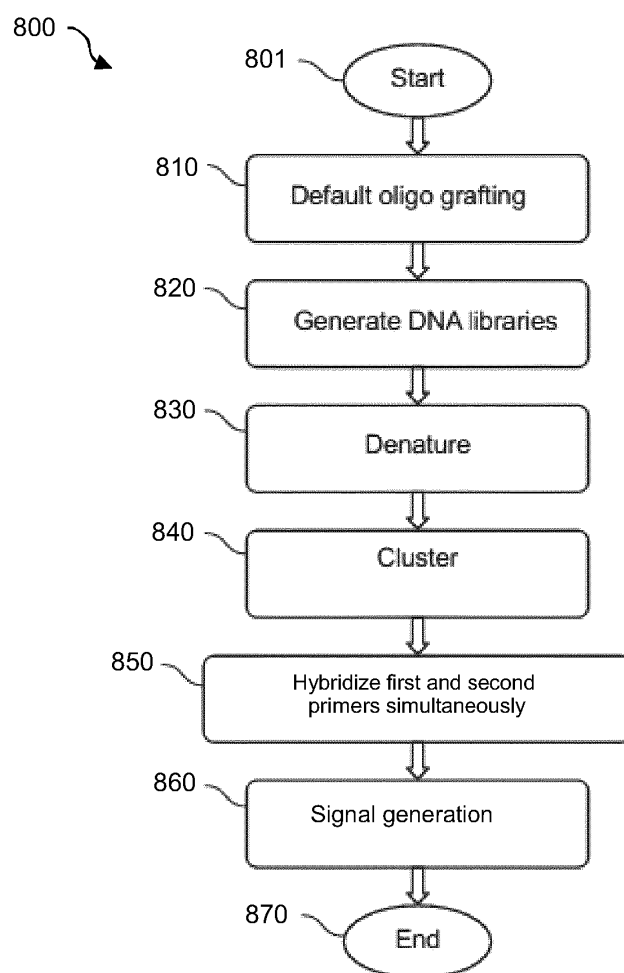


FIGURE 14

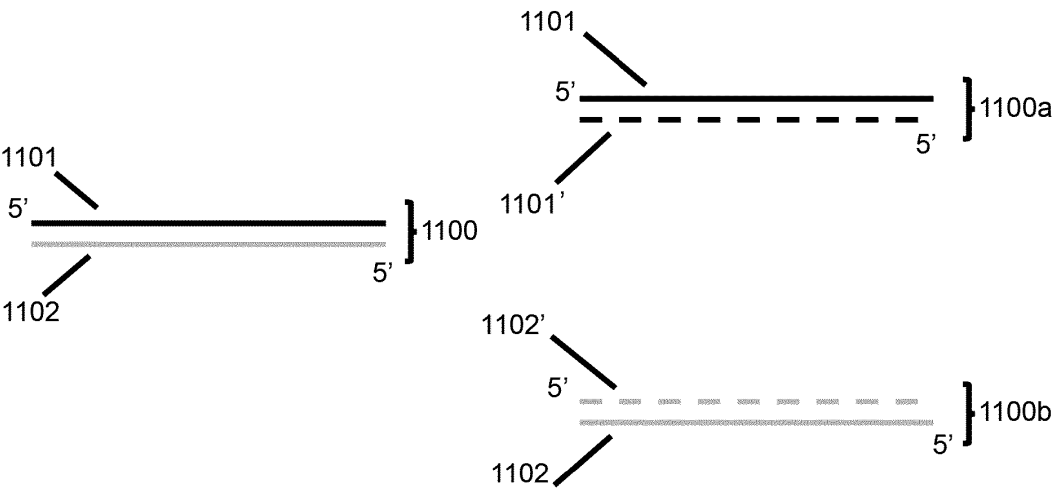


FIGURE 15

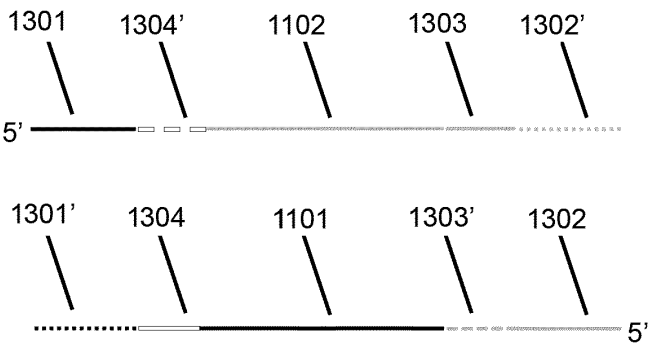


FIGURE 16

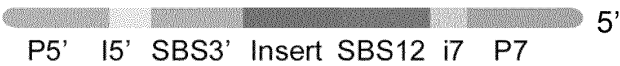
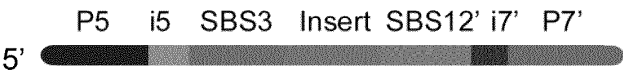


FIGURE 17

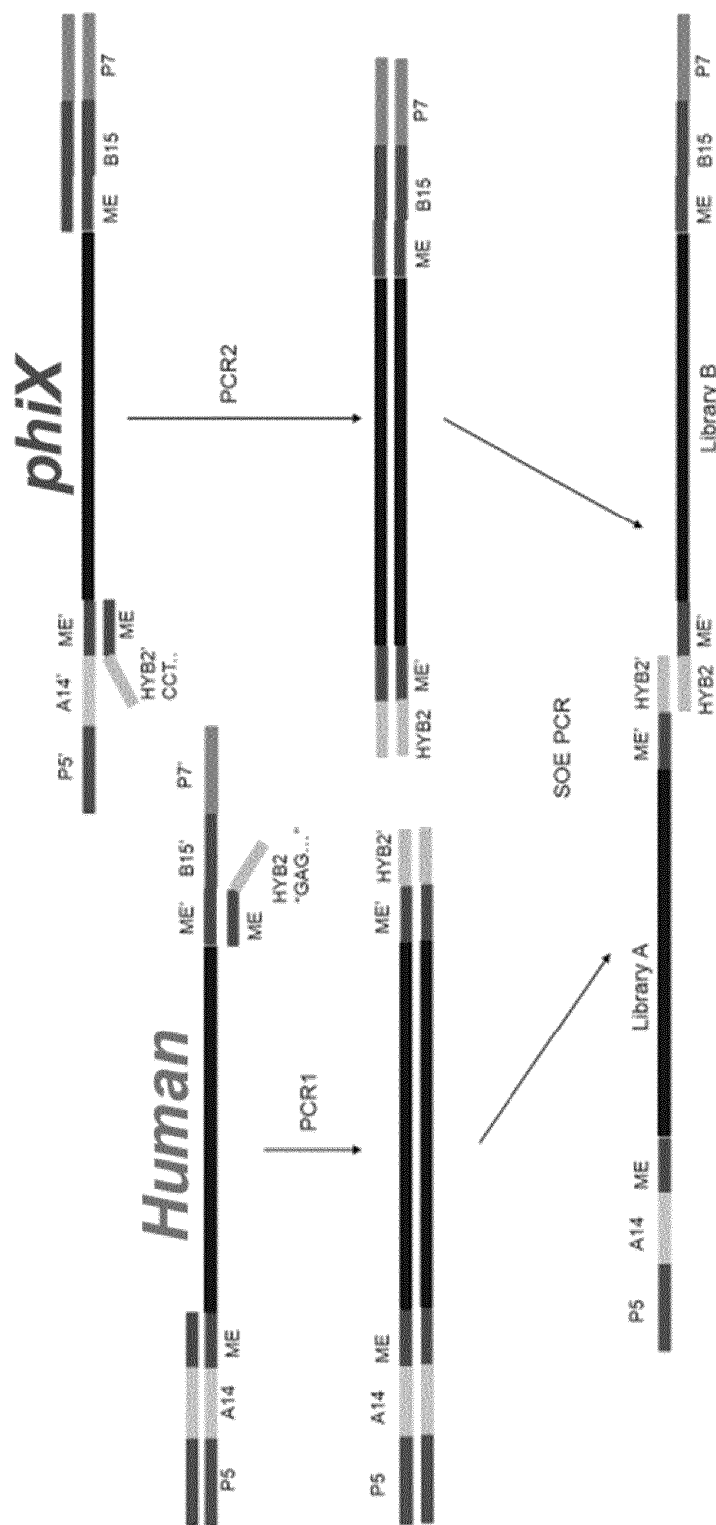


FIGURE 18

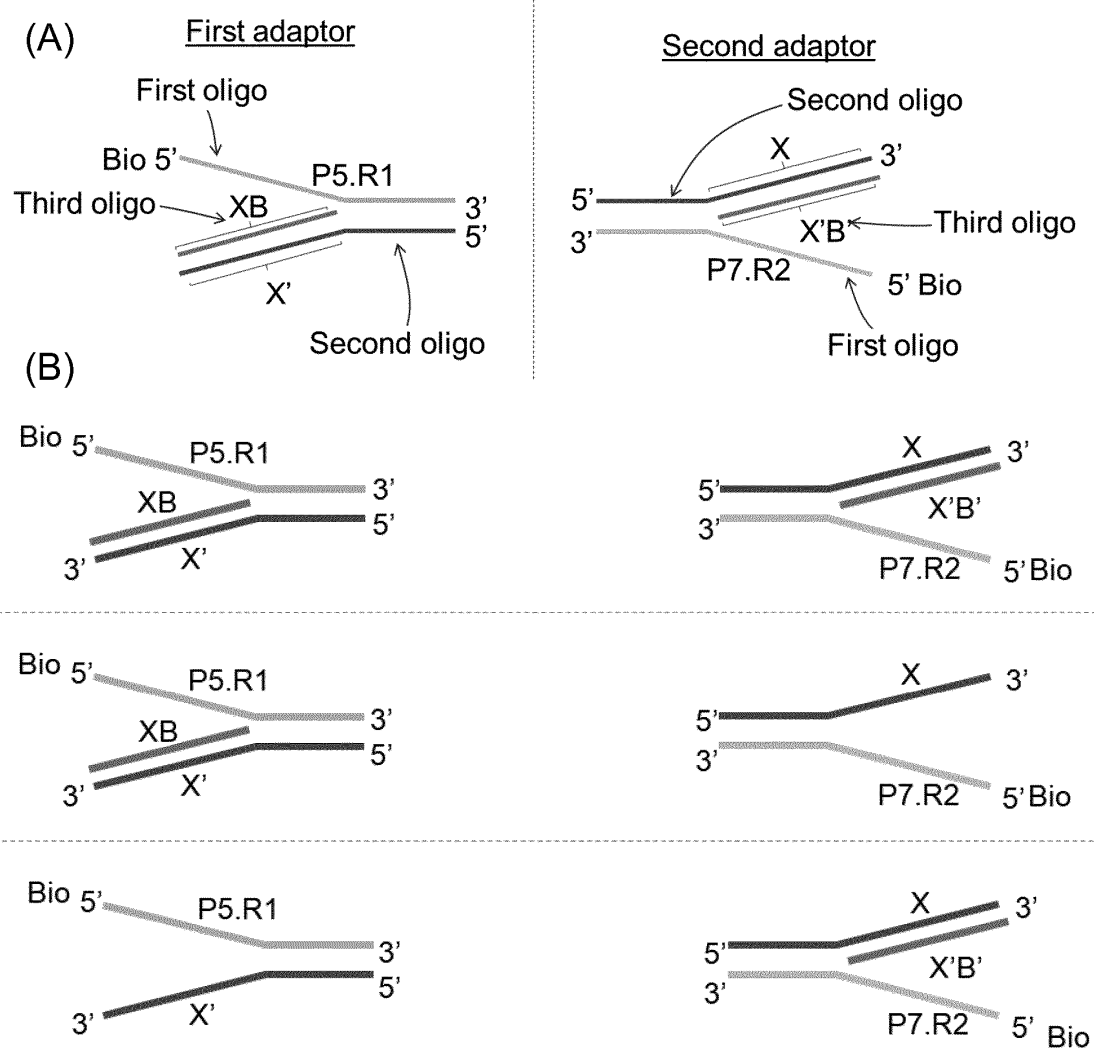


FIGURE 19

(C)

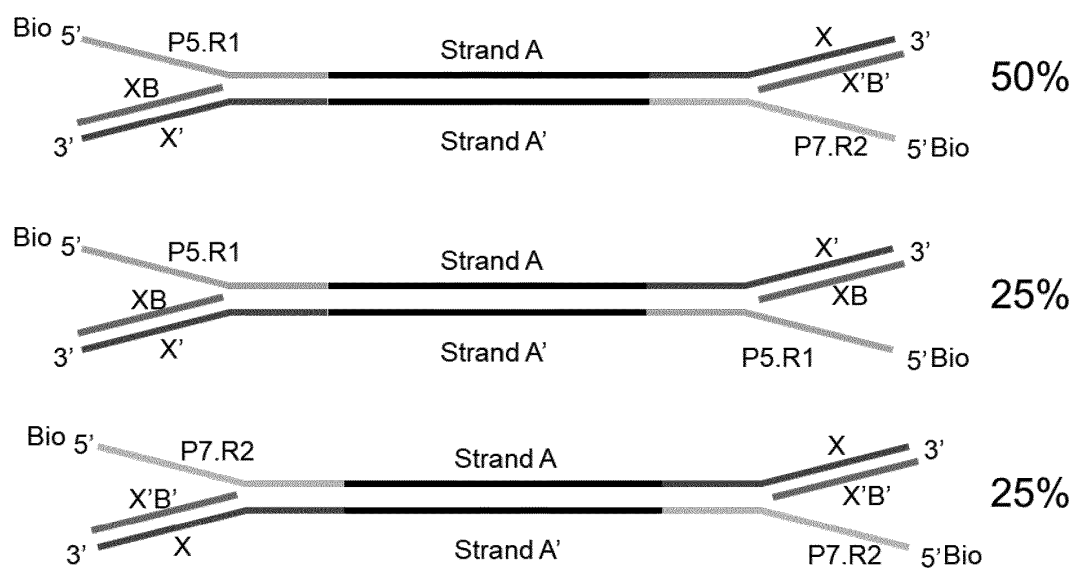


FIGURE 19 (continued)

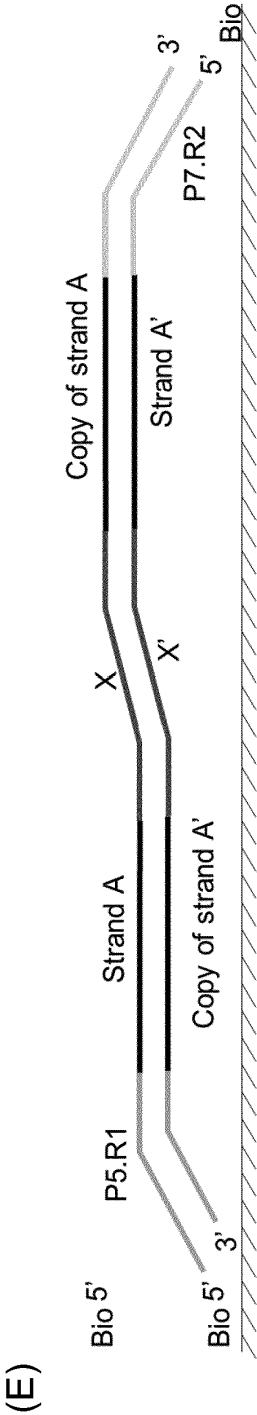
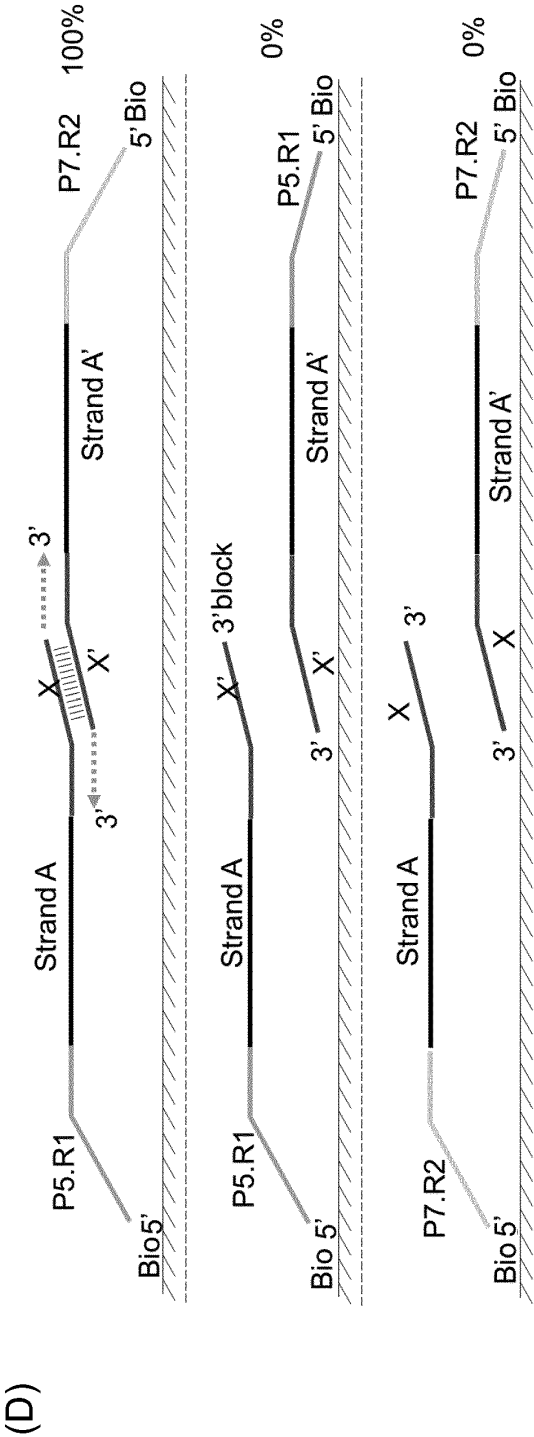


FIGURE 19 (continued)

Using mC to T conversion

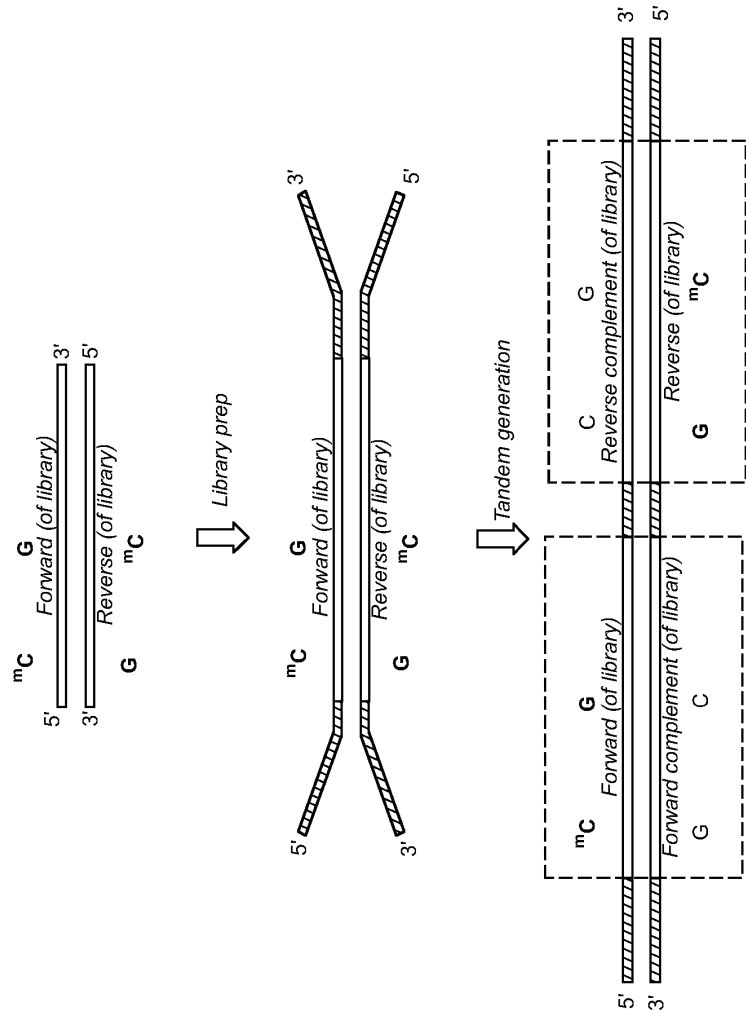


FIGURE 20A

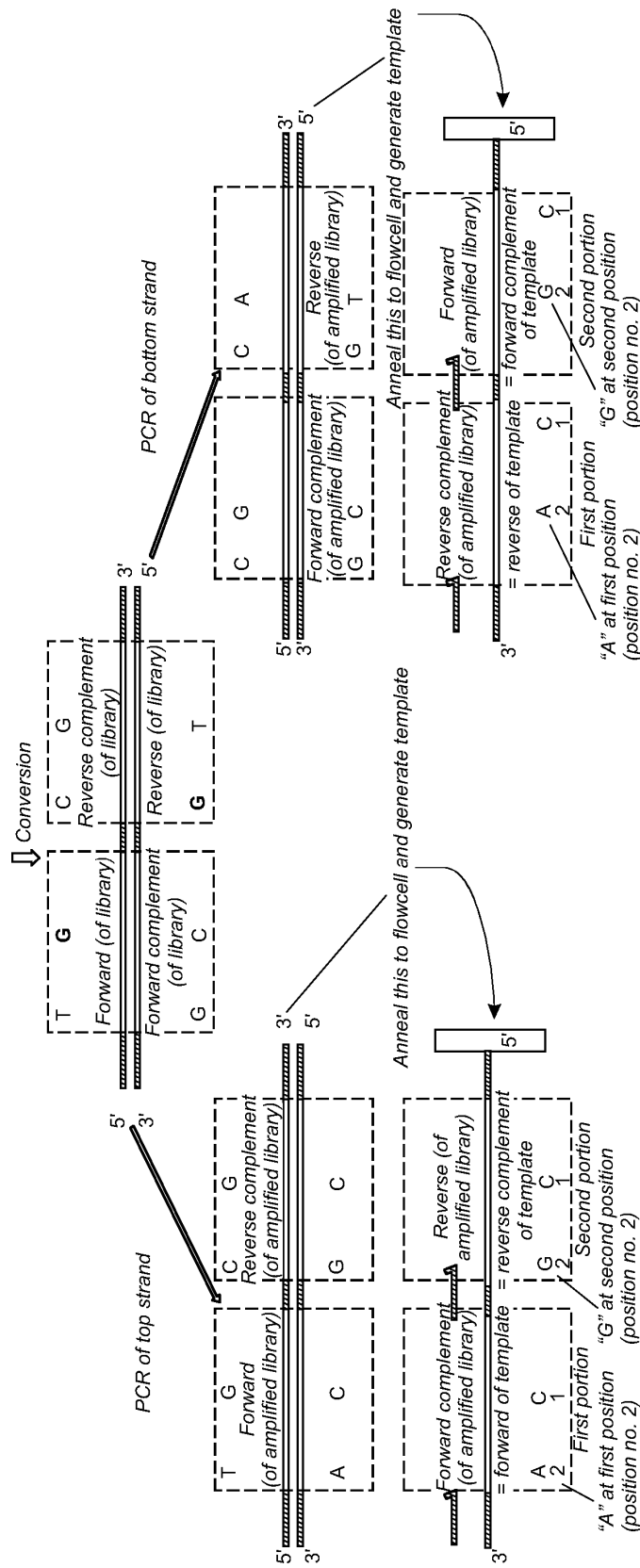


FIGURE 20A (continued)

Using C to U conversion

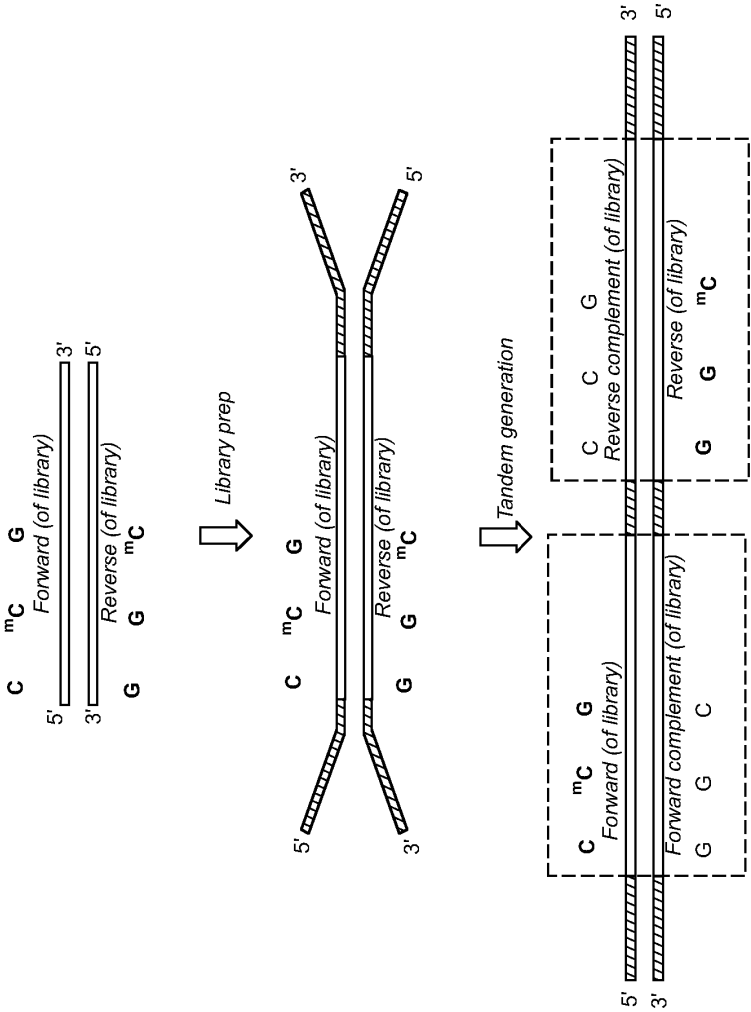


FIGURE 20B

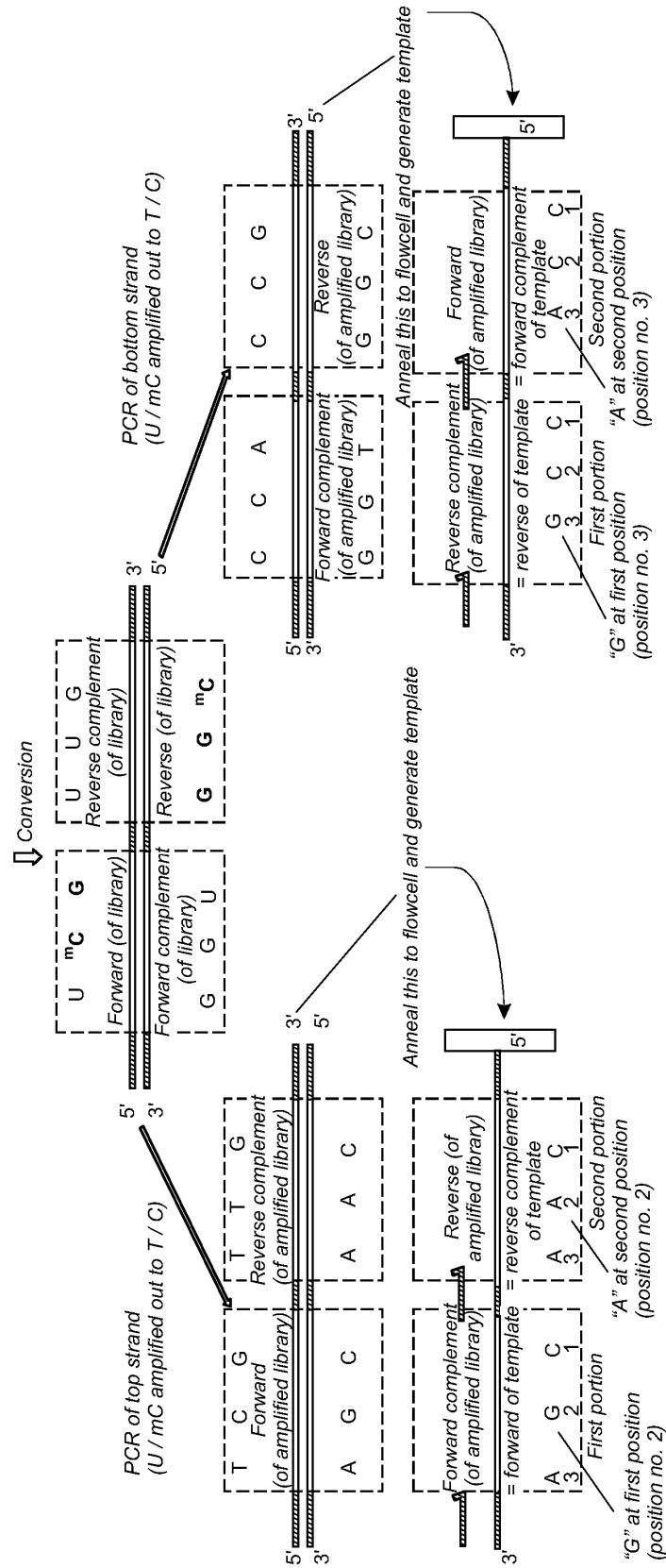


FIGURE 20B (continued)

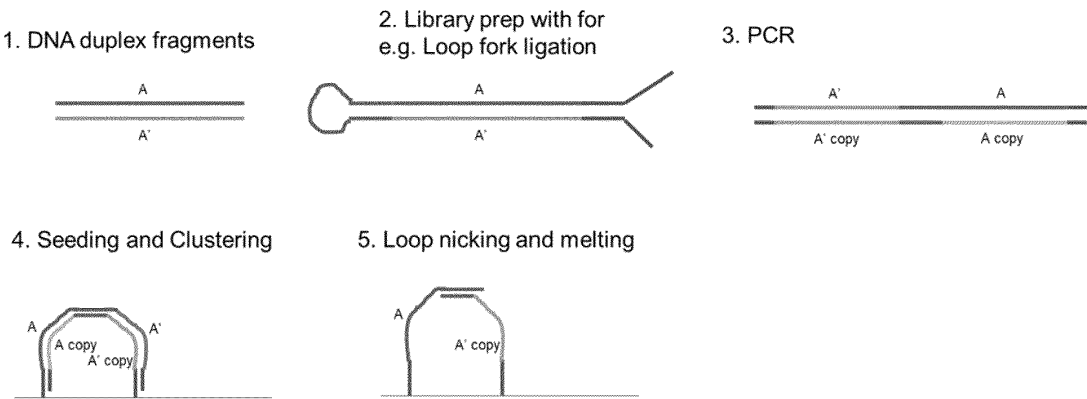


FIGURE 21

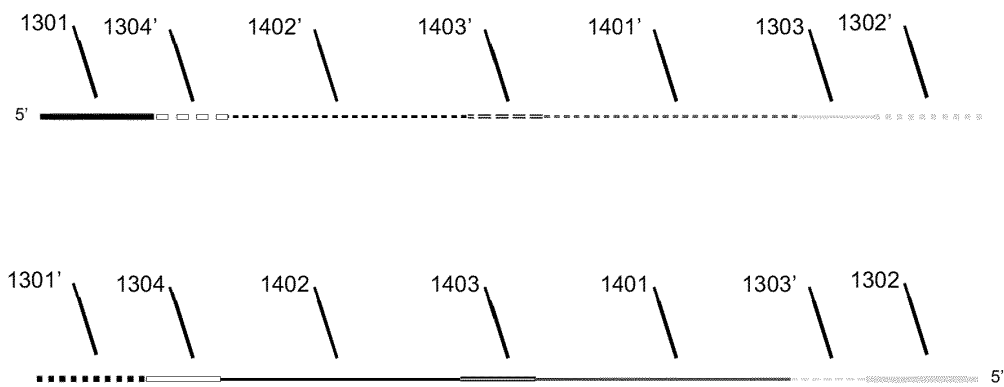


FIGURE 22

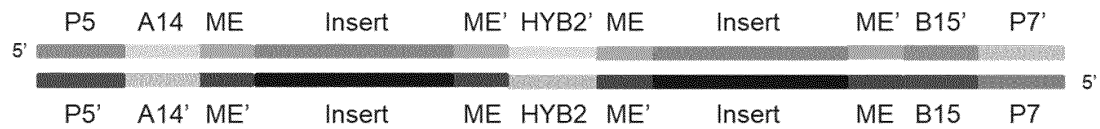


FIGURE 23

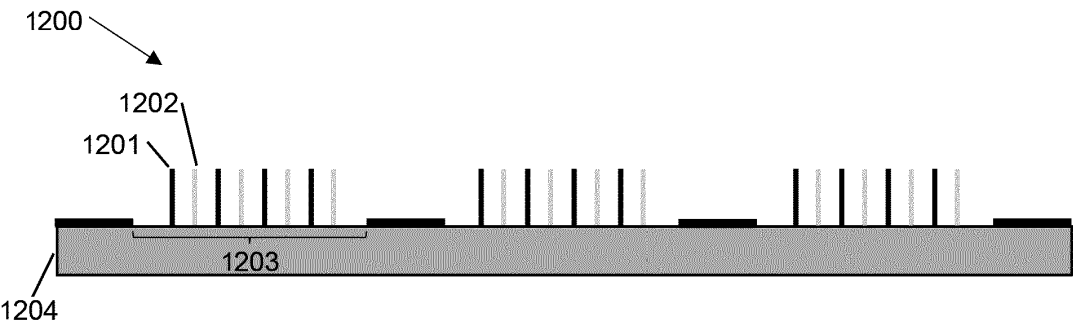


FIGURE 24

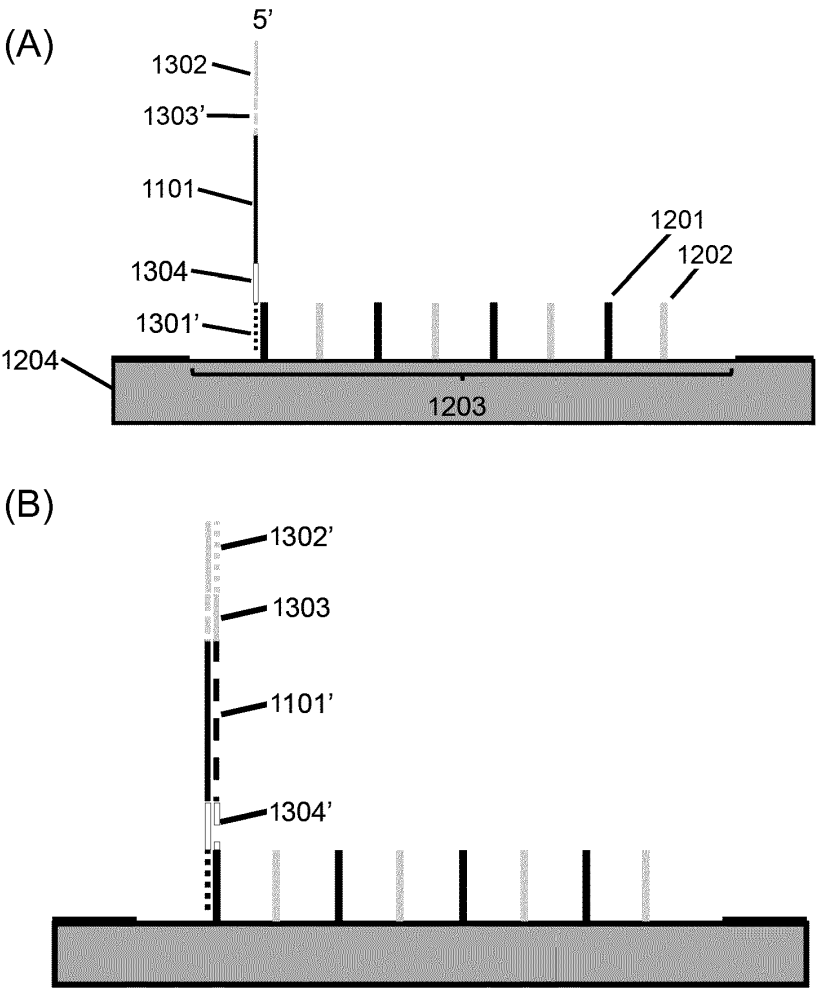


FIGURE 25

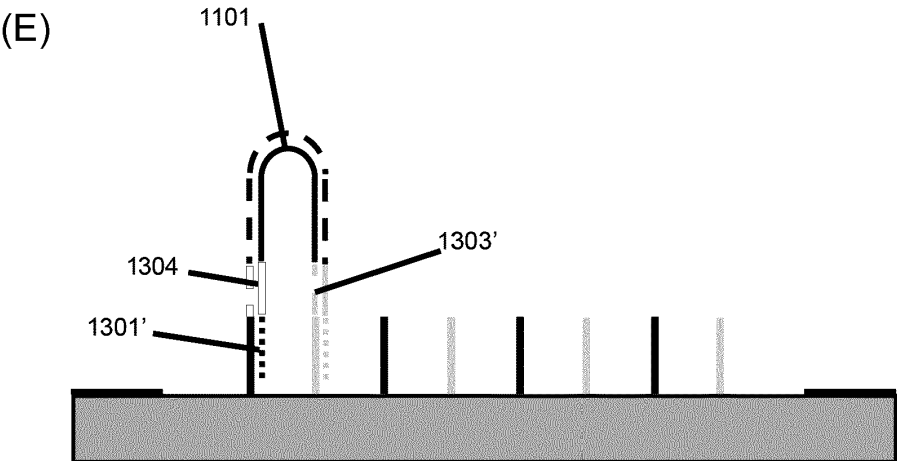
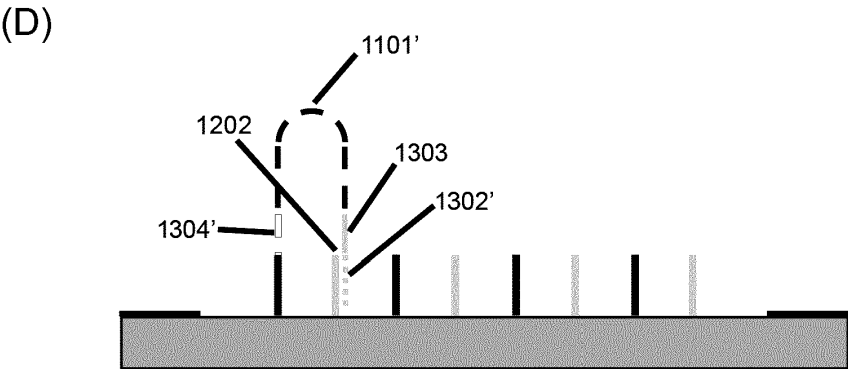
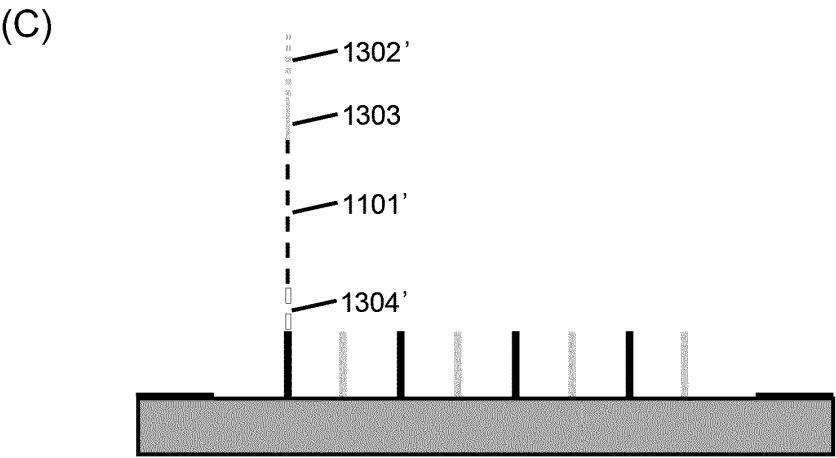


FIGURE 25 (continued)

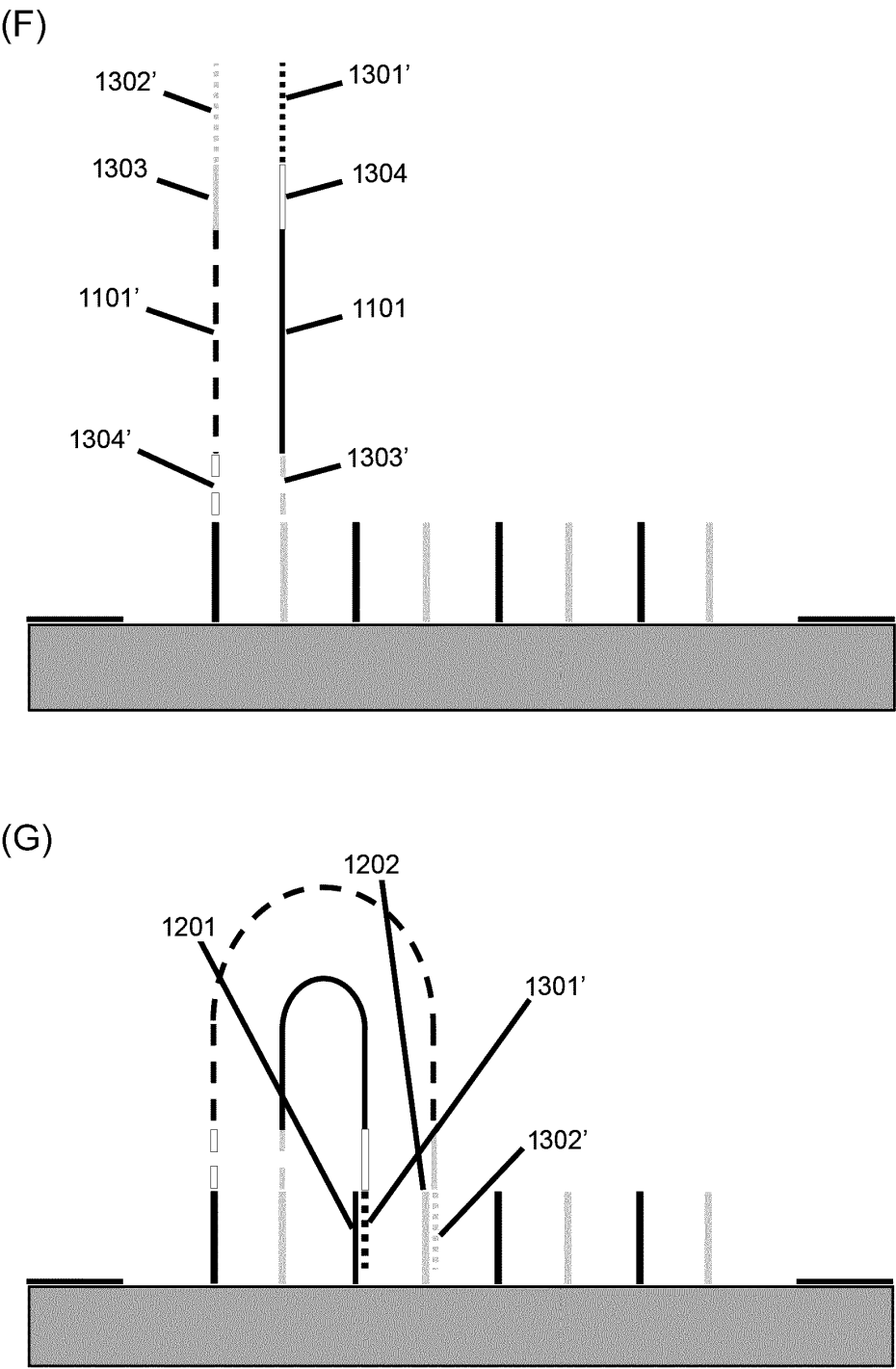


FIGURE 25 (continued)

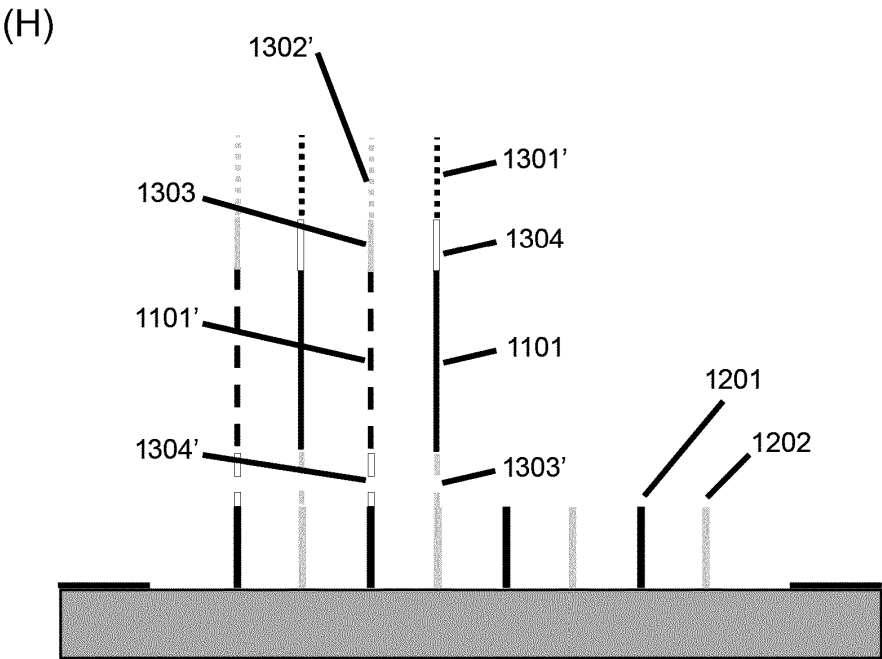


FIGURE 25 (continued)

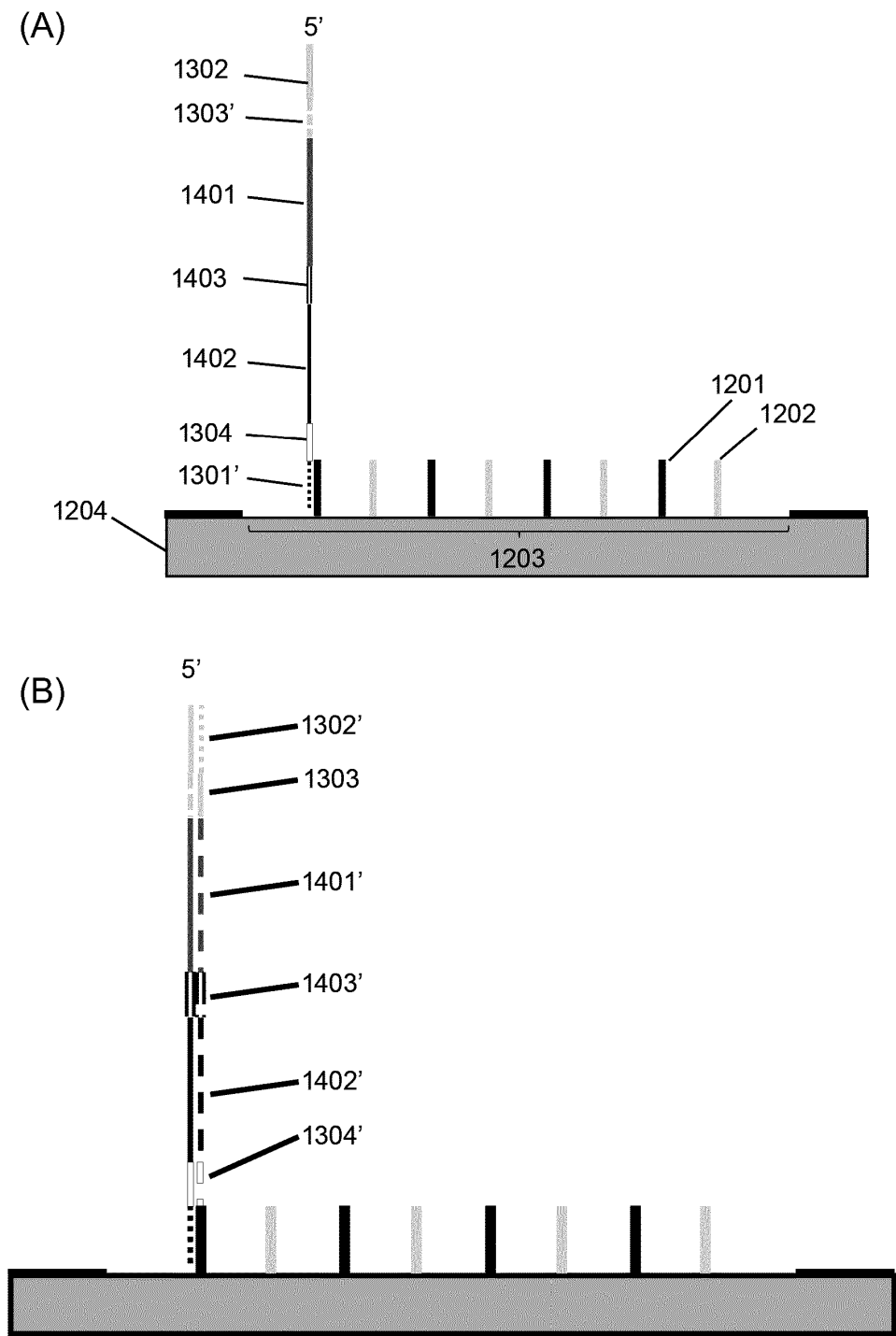


FIGURE 26

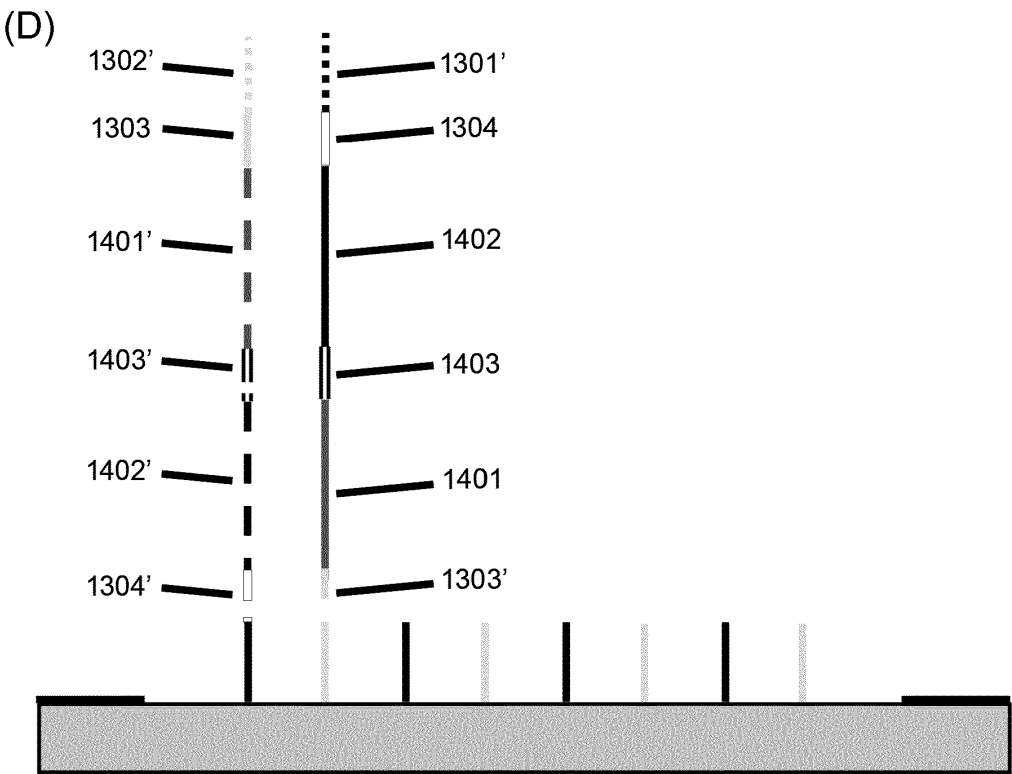
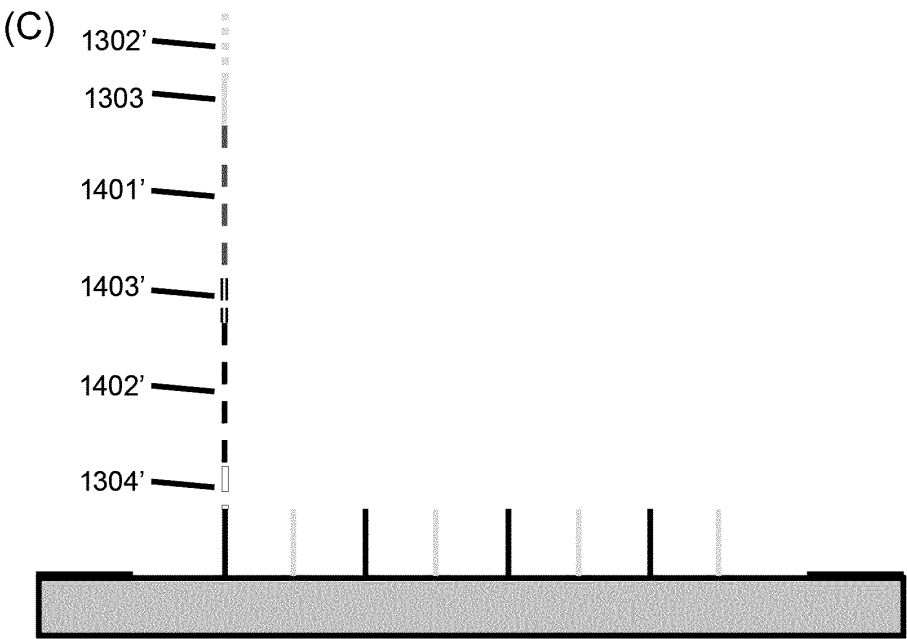


FIGURE 26 (continued)

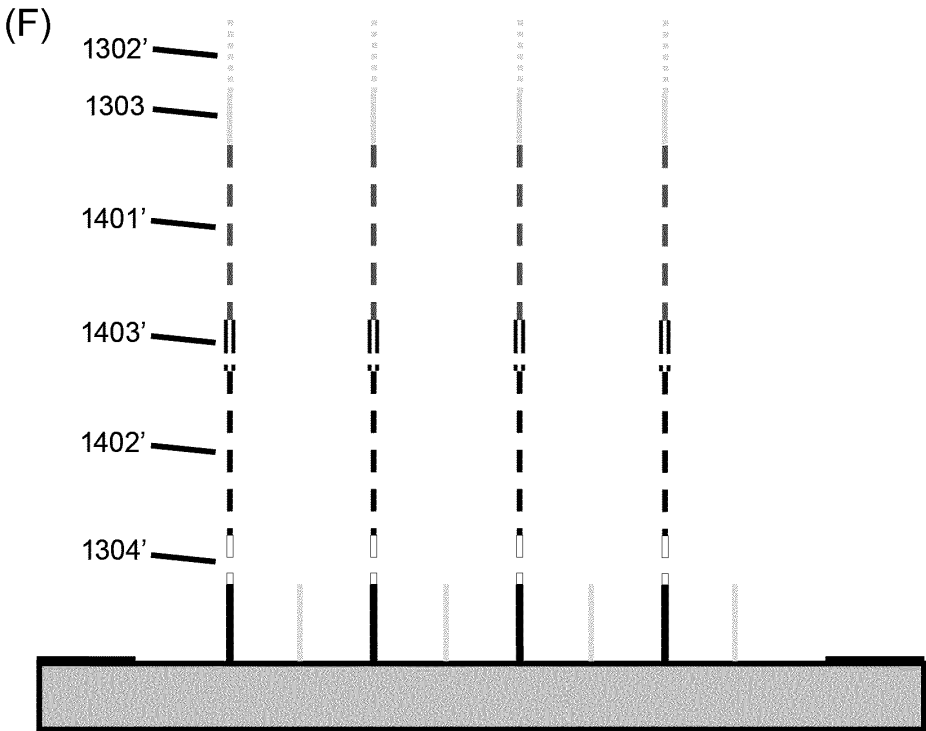
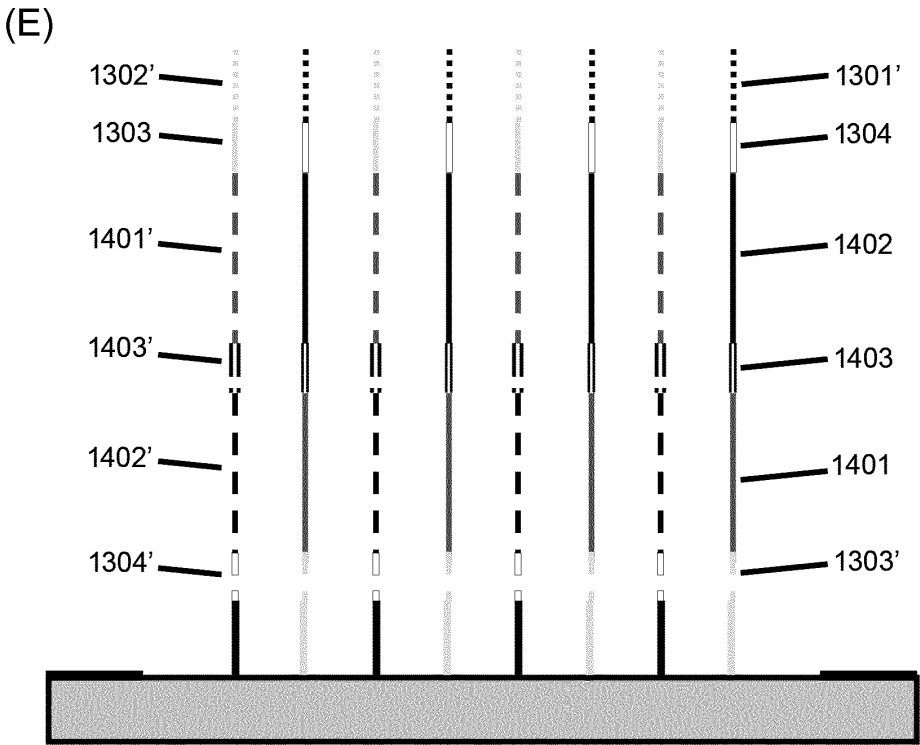


FIGURE 26 (continued)

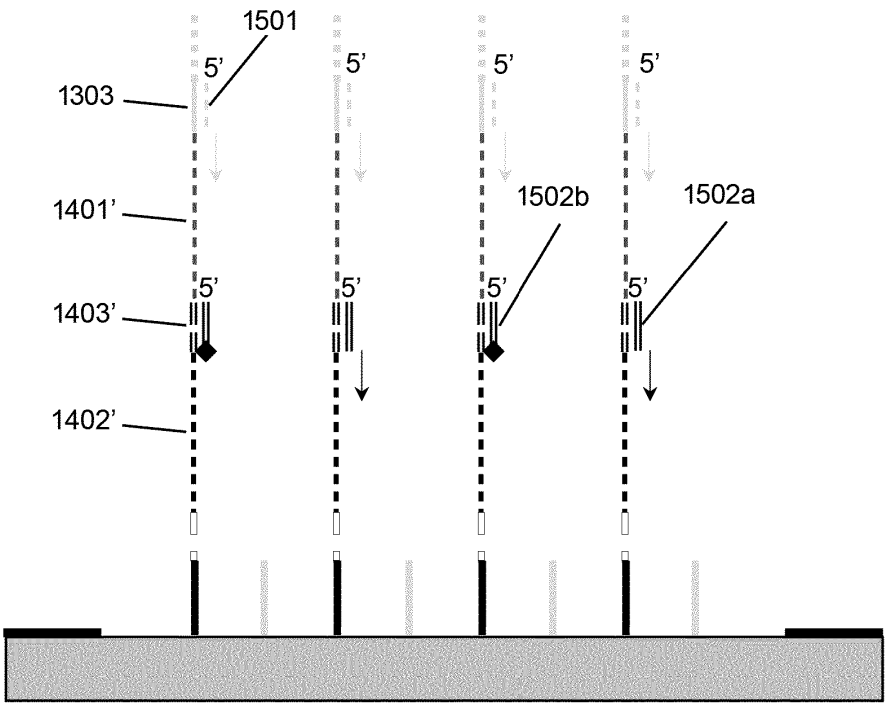


FIGURE 27

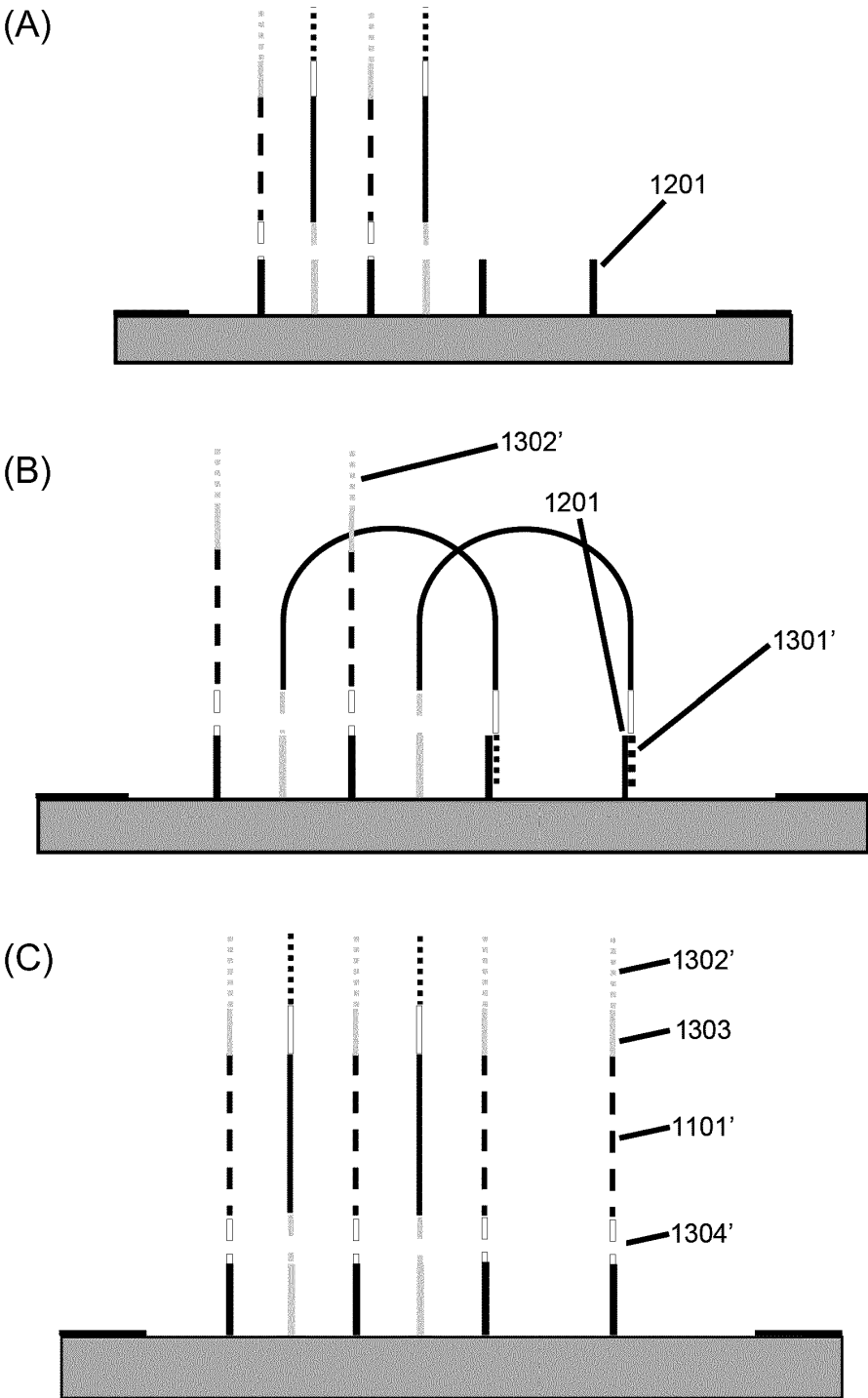


FIGURE 28

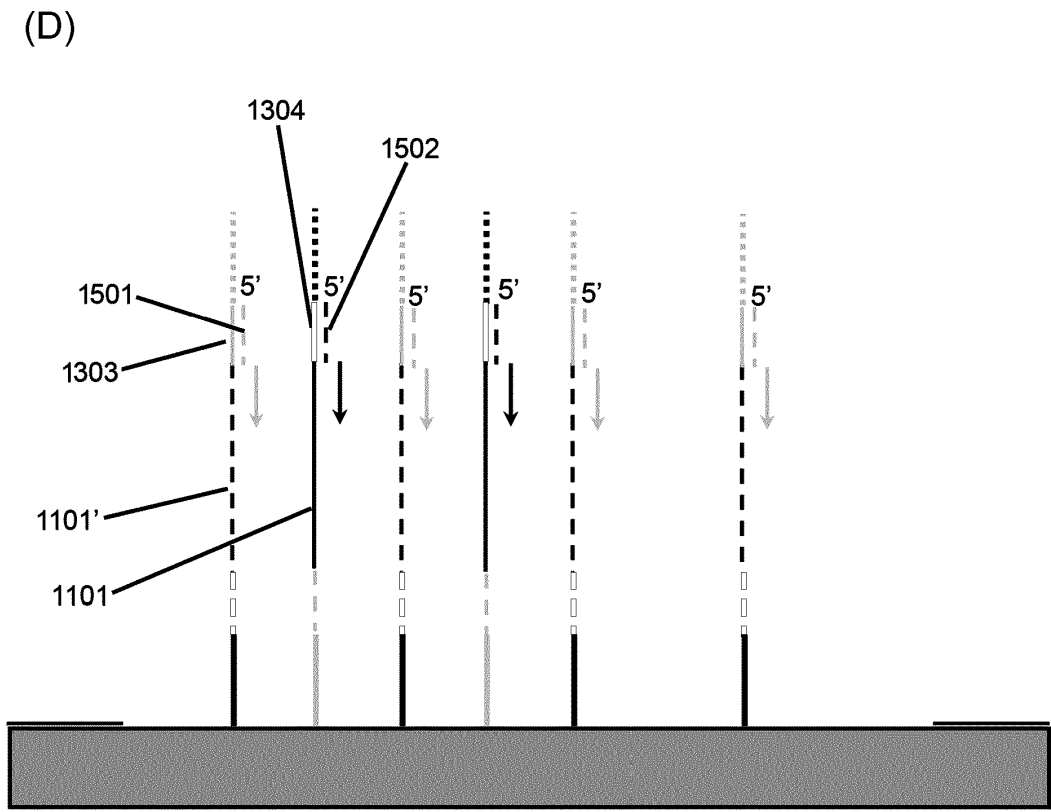


FIGURE 28 (continued)

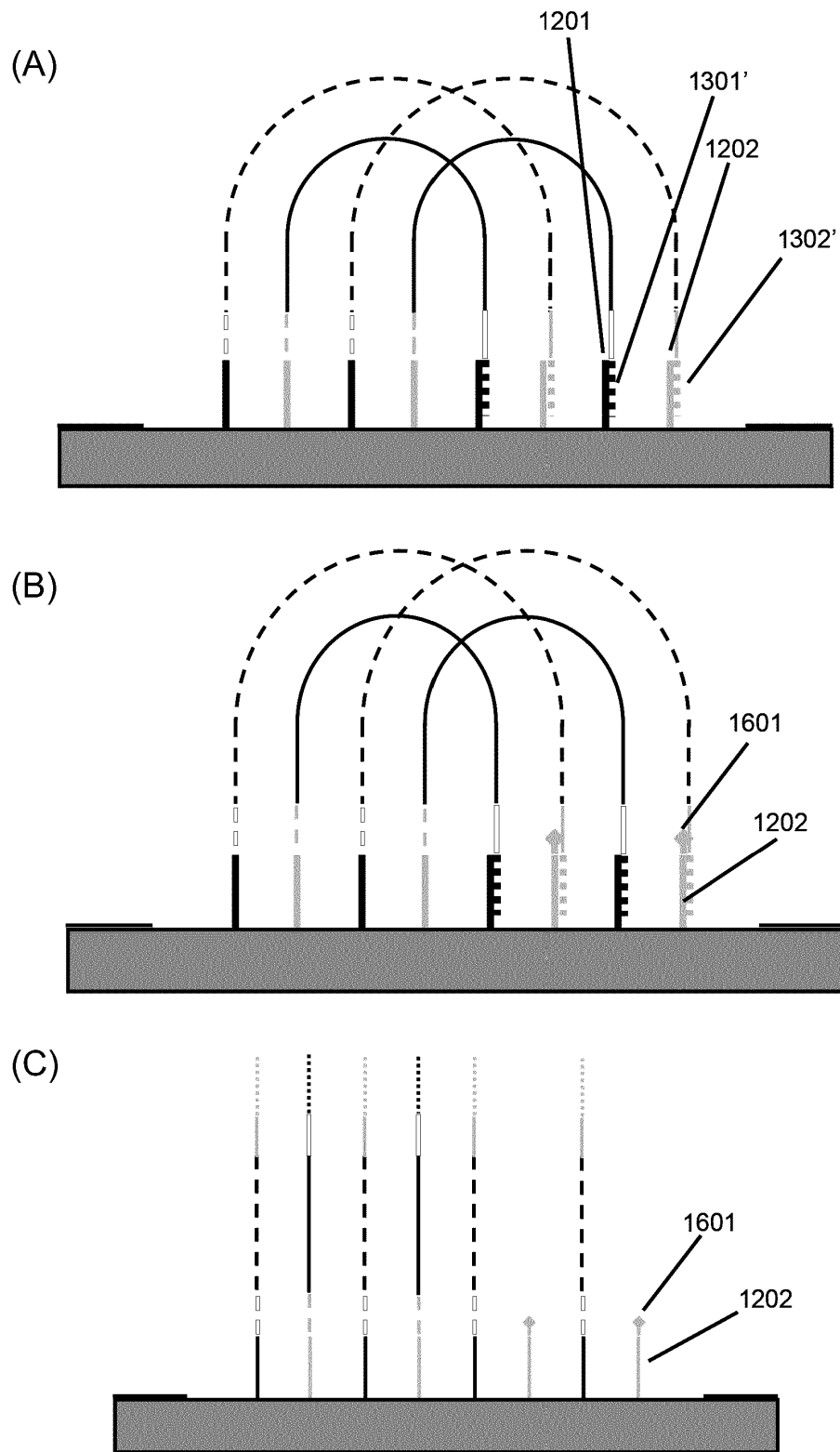


FIGURE 29

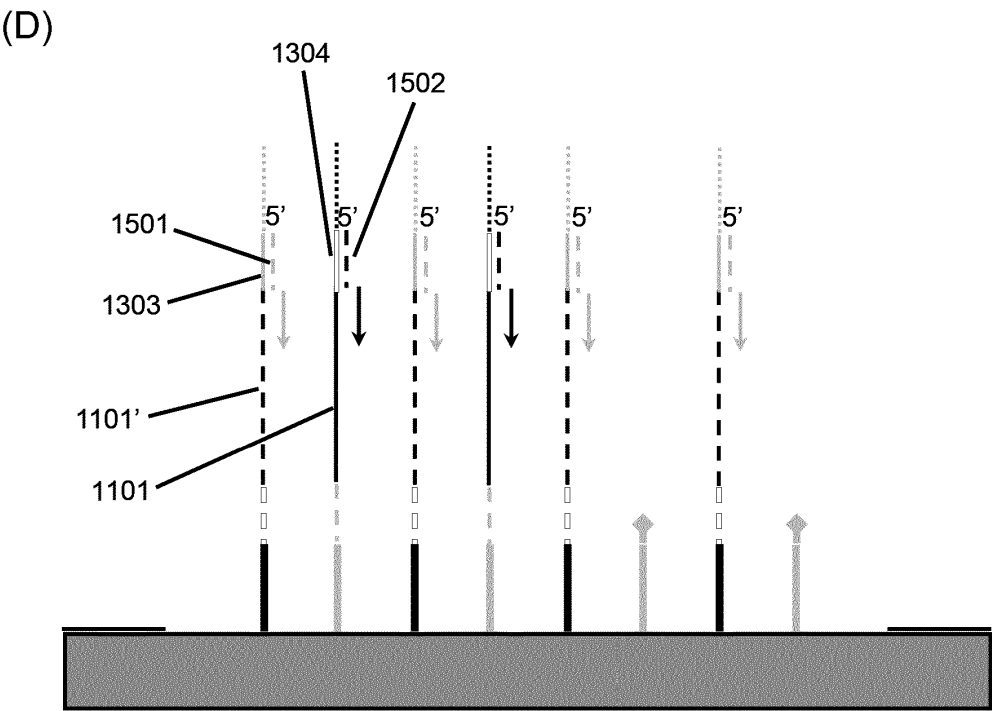


FIGURE 29 (continued)

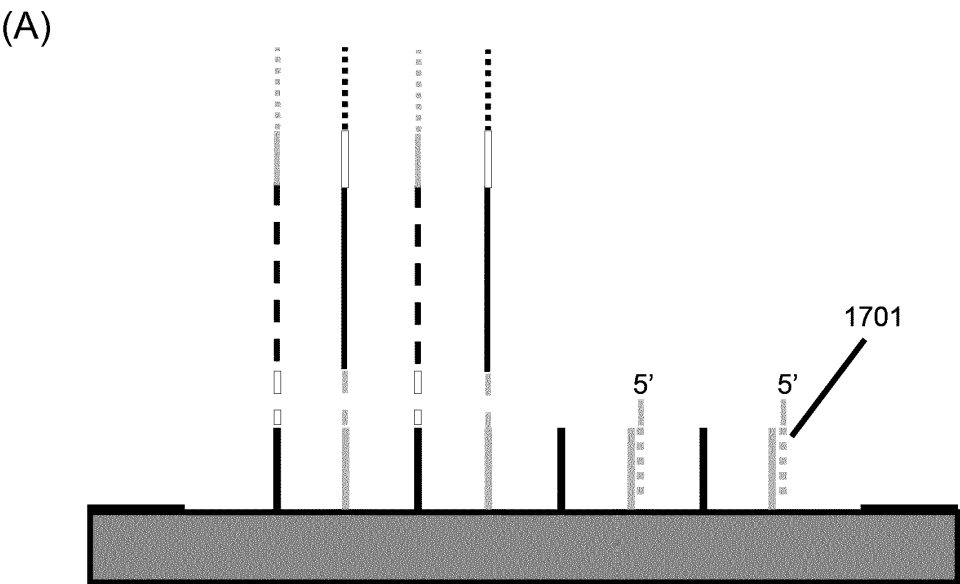


FIGURE 30

(B)

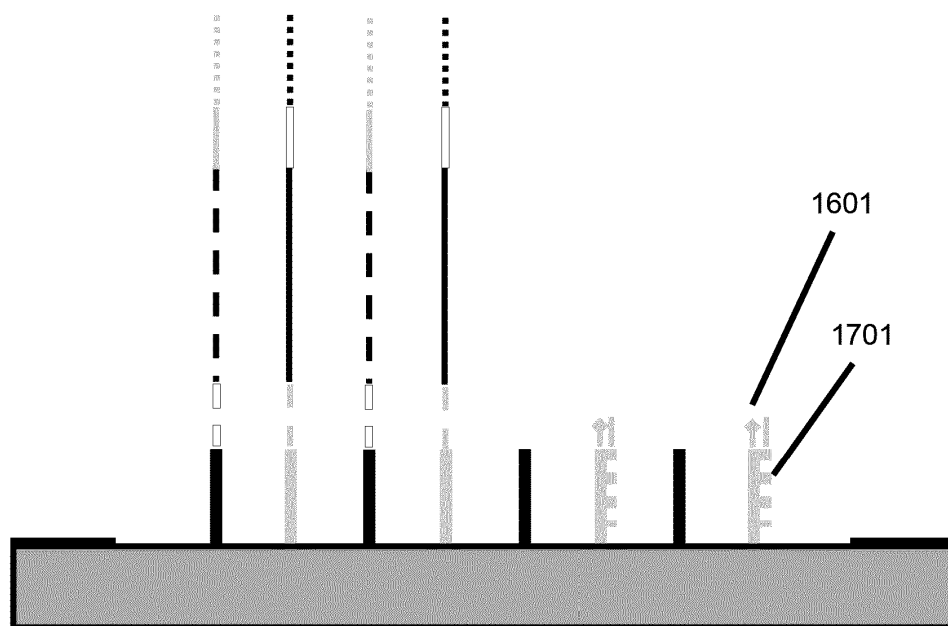


FIGURE 30 (continued)

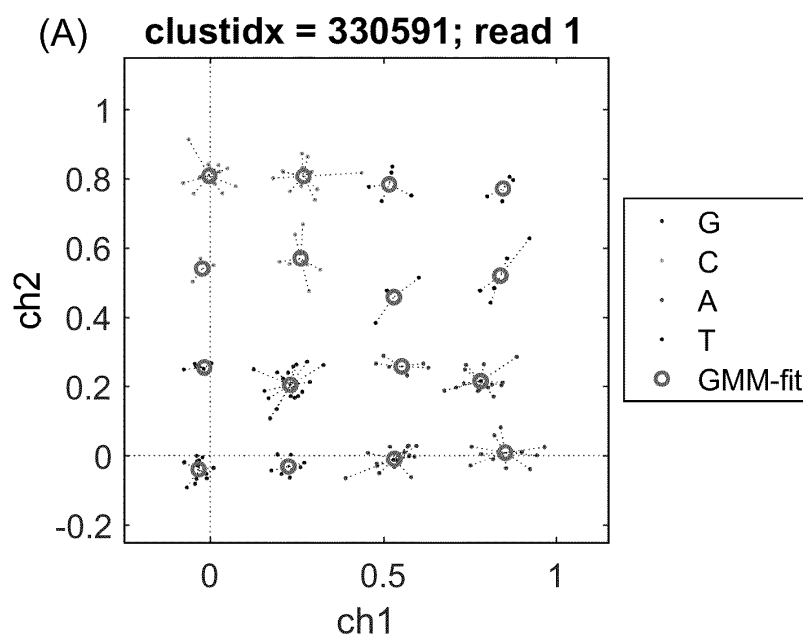


FIGURE 31

(B)

Major read (R1) : Human

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Graphics

Human DNA sequence from clone RP11-151A10 on chromosome 10, complete sequence

Sequence ID: AL157888.16 Length: 194431 Number of Matches: 1

Range 1: 137023 to 137173

GenBank

Graphics

Next Match

Previous Match

Score	Expect	Identities	Gaps	Strand
274 bits(148)	2e-69	150/151(99%)	0/151(0%)	Plus/Minus
Query 1	CCCAGGGGAGGTTCCAGGAAGGCATAGGCTAAAGGTCAACAAGAACAGTGCAAACCCCA	60		
Sbjct 137173	CCCAGGGGAGGTTCCAGGAAGGCATAGGCTAAAGGTCAACAAGAACAGTGCAAACCCCA	137114		
Query 61	GCGGGTGACCAAGGAGAGGGGATCATTTCATTAAAGGCACAAAGTCAACAGGAGTGCGTGC	120		
Sbjct 137113	GCGGGTGACCAAGGAGAGGGGATCATTTCATTAAAGGCACAAAGTCAACAGGAGTGCGTGC	137054		
Query 121	AGAGCTTACAGAGCAGGACACAGGACCCAGA	151		
Sbjct 137053	AGAGCTCAGAGCAGGACACAGGACCCAGA	137023		

SEQ ID NO: 45

Minor read (R2) : PhiX

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GenBank

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Escherichia virus phiX174 strain evolved J1, complete genome

Sequence ID: MH378443.1 Length: 5386 Number of Matches: 1

Range 1: 5039 to 5187

GenBank

Graphics

Next Match

Previous Match

Score	Expect	Identities	Gaps	Strand
270 bits(146)	2e-68	148/149(99%)	0/149(0%)	Plus/Minus
Query 3	CCGTGGACAGATTTGTCATTGTGAGCATTTTCATCCCGAAGTTGCGGCTCATTCTGATTC	62		
Sbjct 5187	CCGTGGACAGATTTGTCATTGTGAGCATTTTCATCCCGAAGTTGCGGCTCATTCTGATTC	5128		
Query 63	TGAACAGCTTCTTGGGAAGTAGCGACAGCTTGGTTTTAGTGAGTTGTTCCATTCTTTAG	122		
Sbjct 5127	TGAACAGCTTCTTGGGAAGTAGCGACAGCTTGGTTTTAGTGAGTTGTTCCATTCTTTAG	5068		
Query 123	CTCCCAGACCTTTAGCAGCAAGGTCCATA	151		
Sbjct 5067	CTCCTAGACCTTTAGCAGCAAGGTCCATA	5039		

SEQ ID NO: 46

FIGURE 31 (continued)

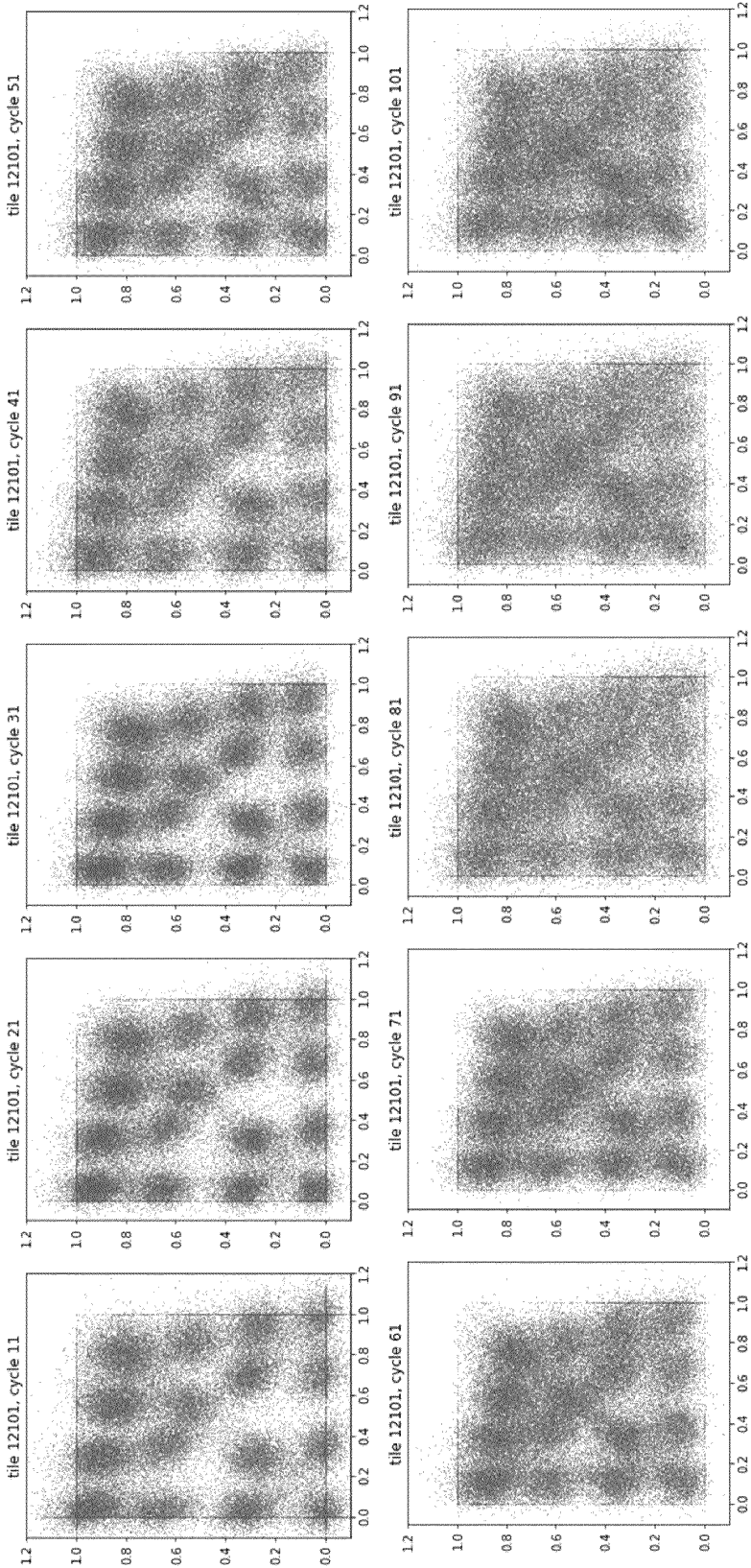


FIGURE 32

(A)

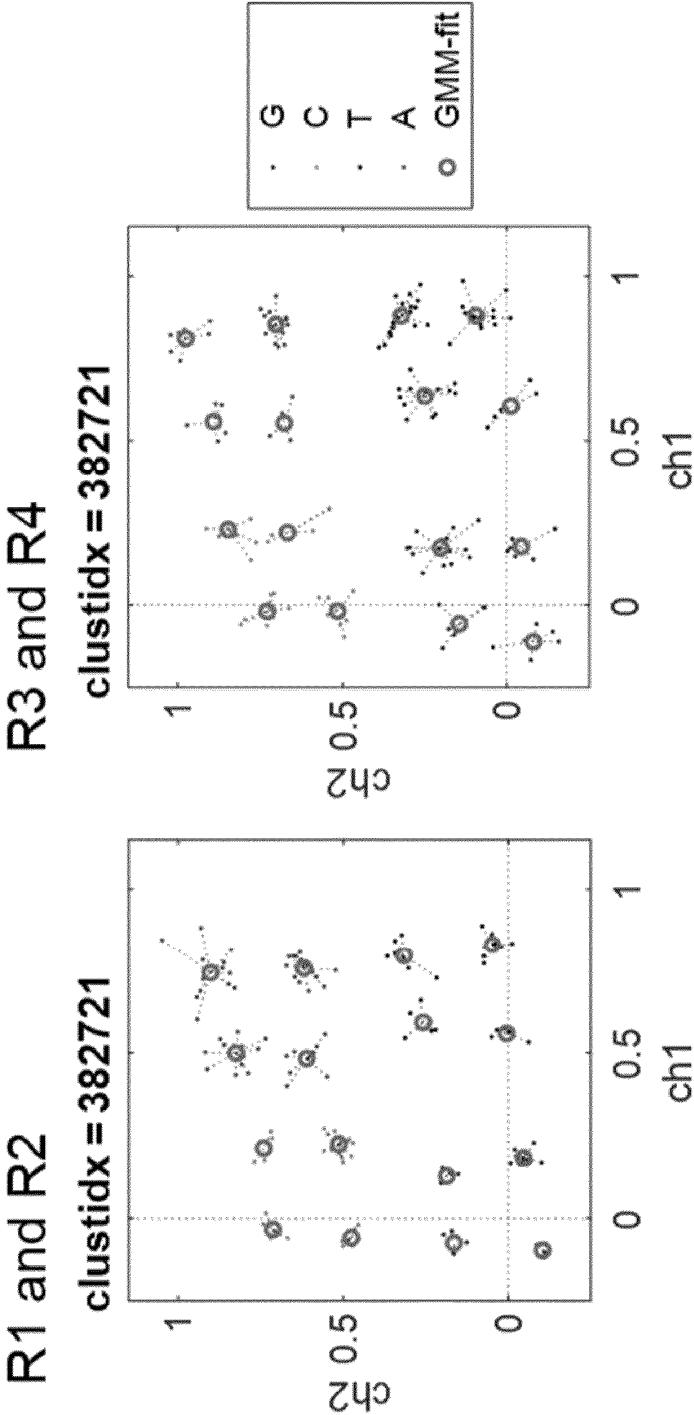


FIGURE 33

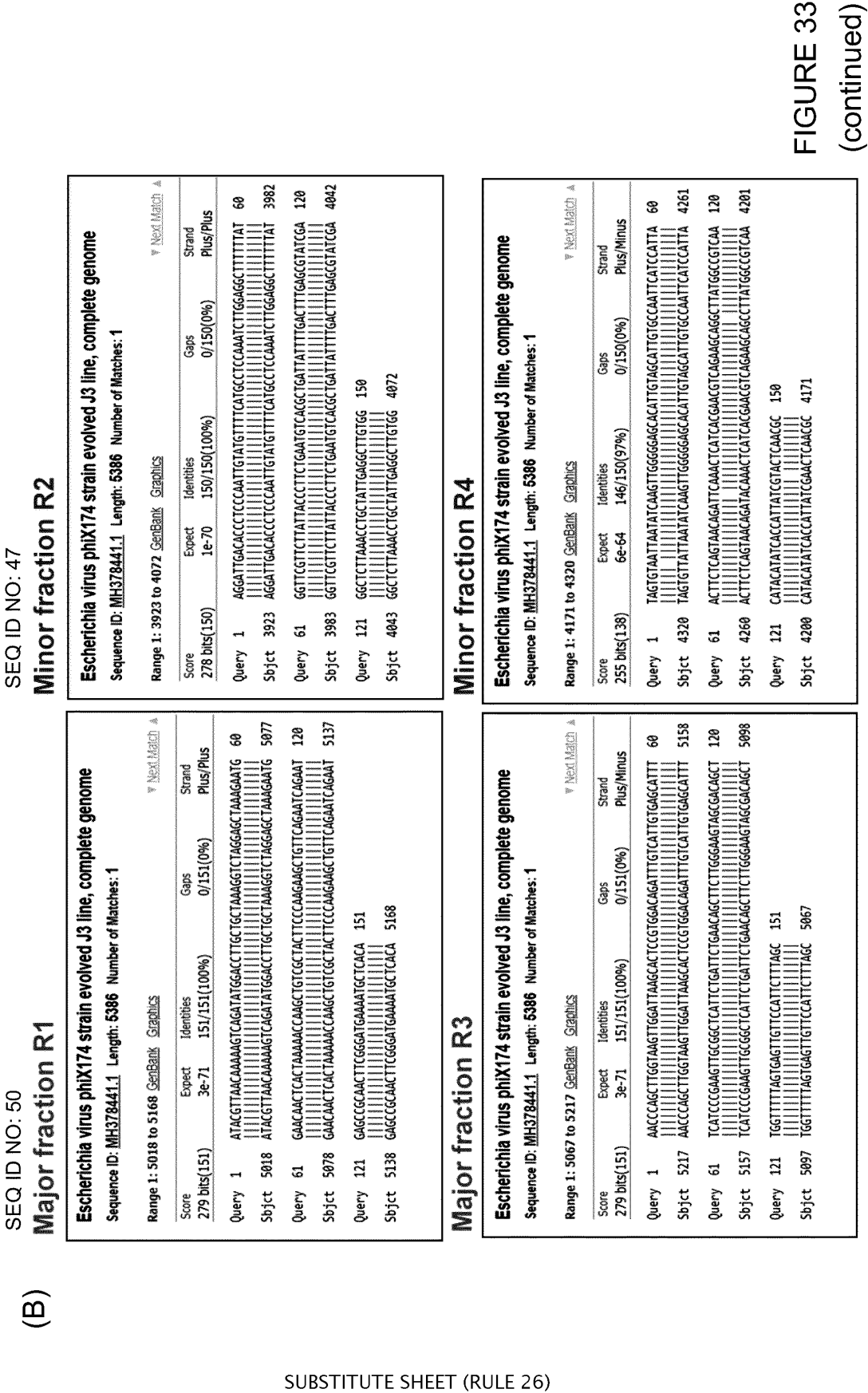


FIGURE 33
(continued)

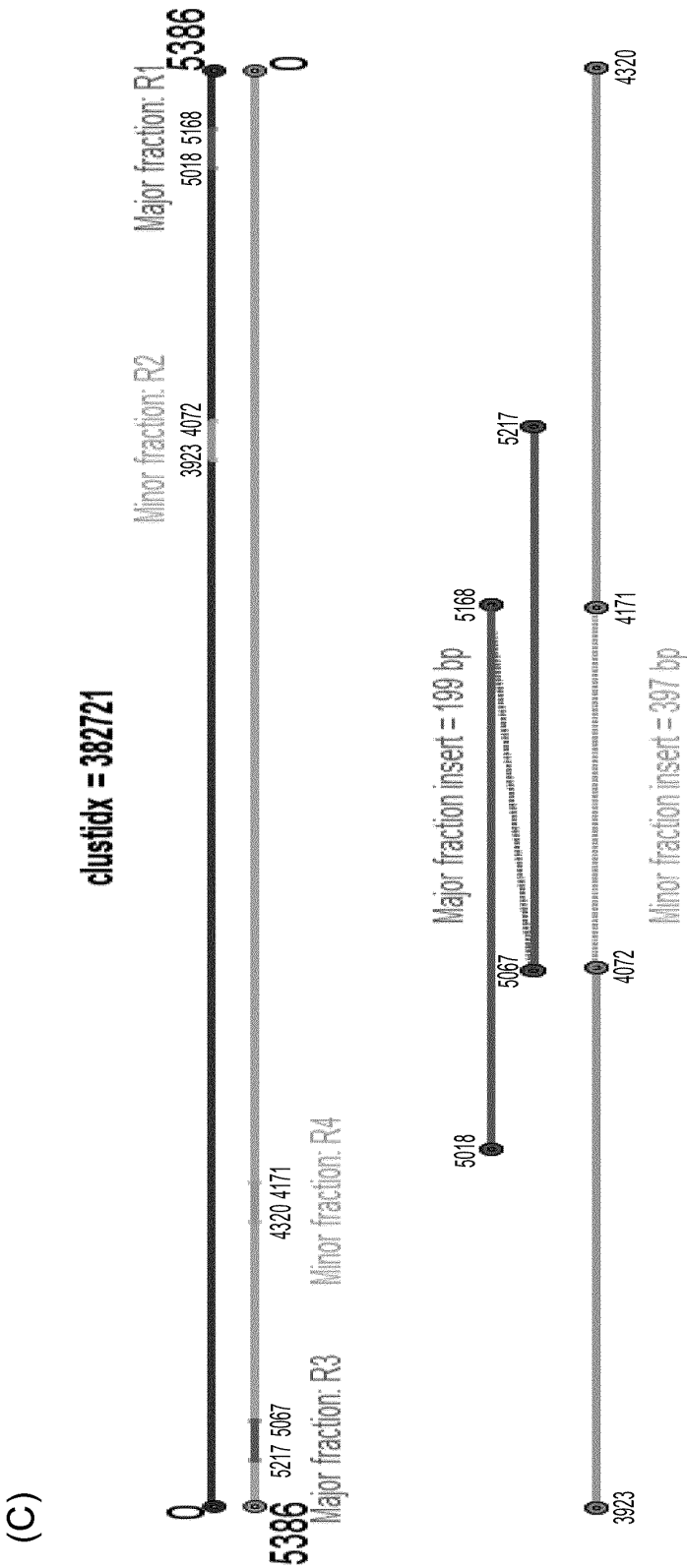


FIGURE 33
(continued)