

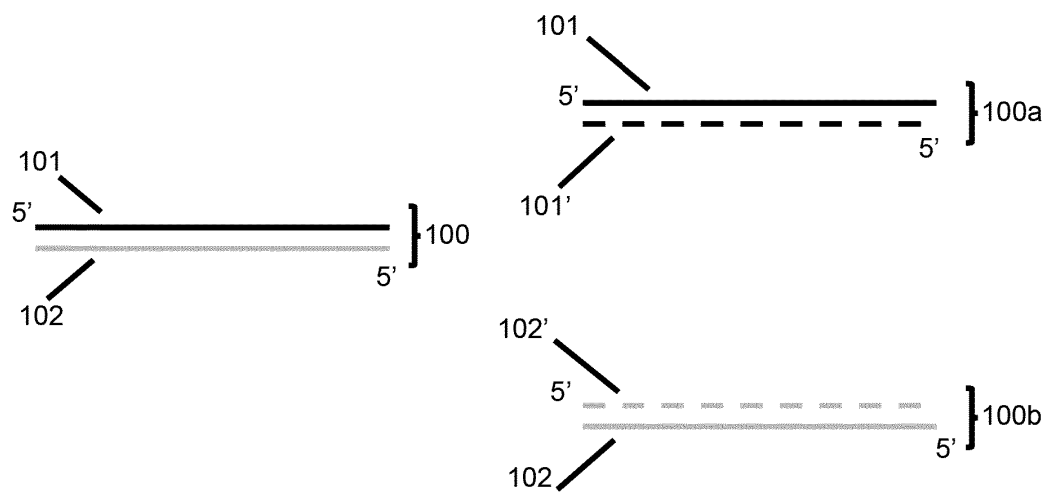


FIG. 1

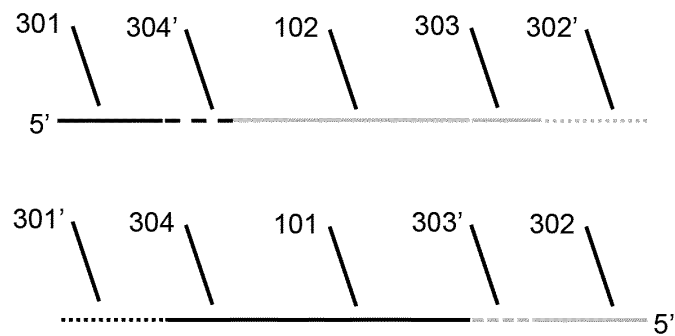


FIG. 2



FIG. 3

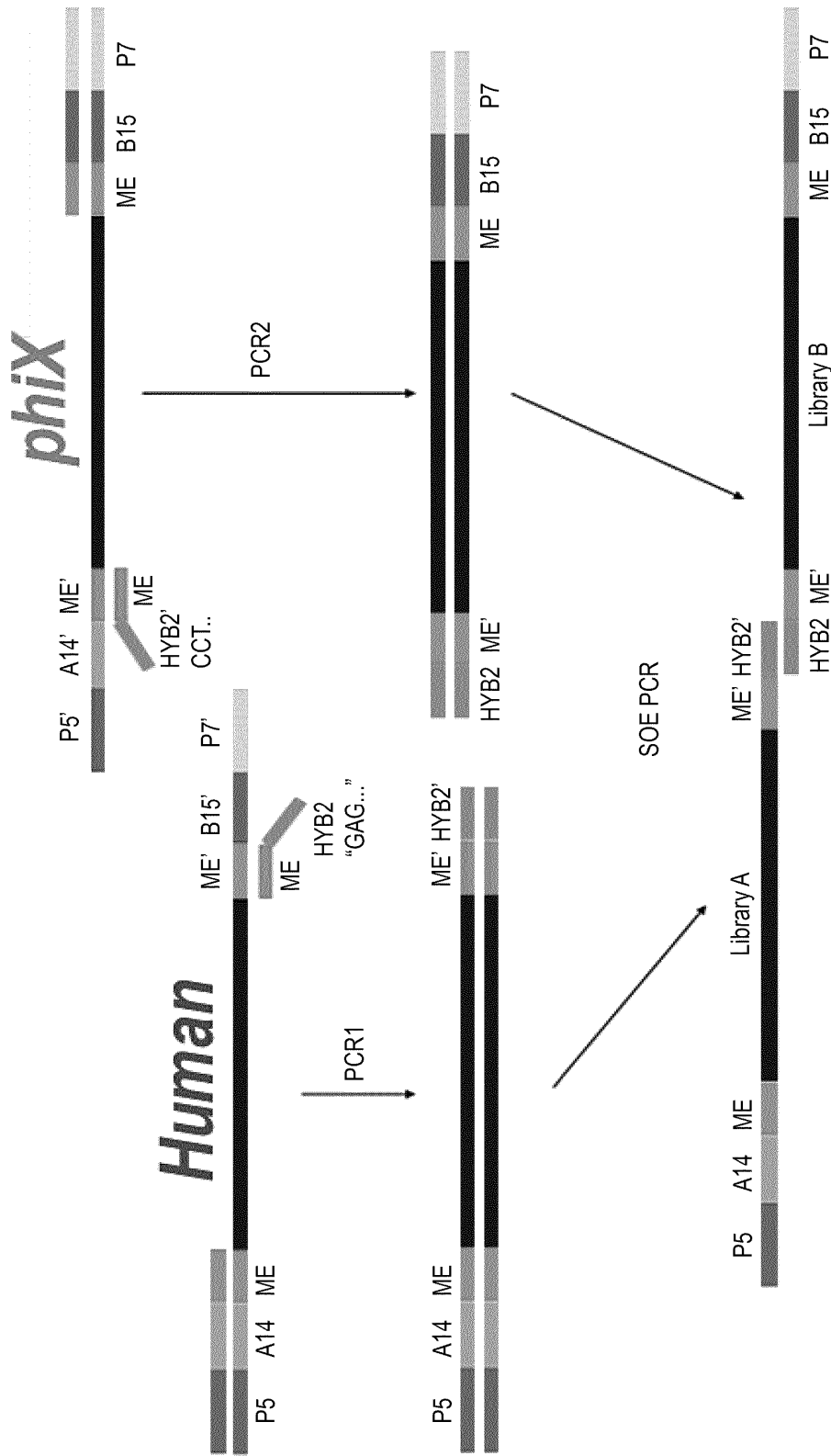


FIG. 4

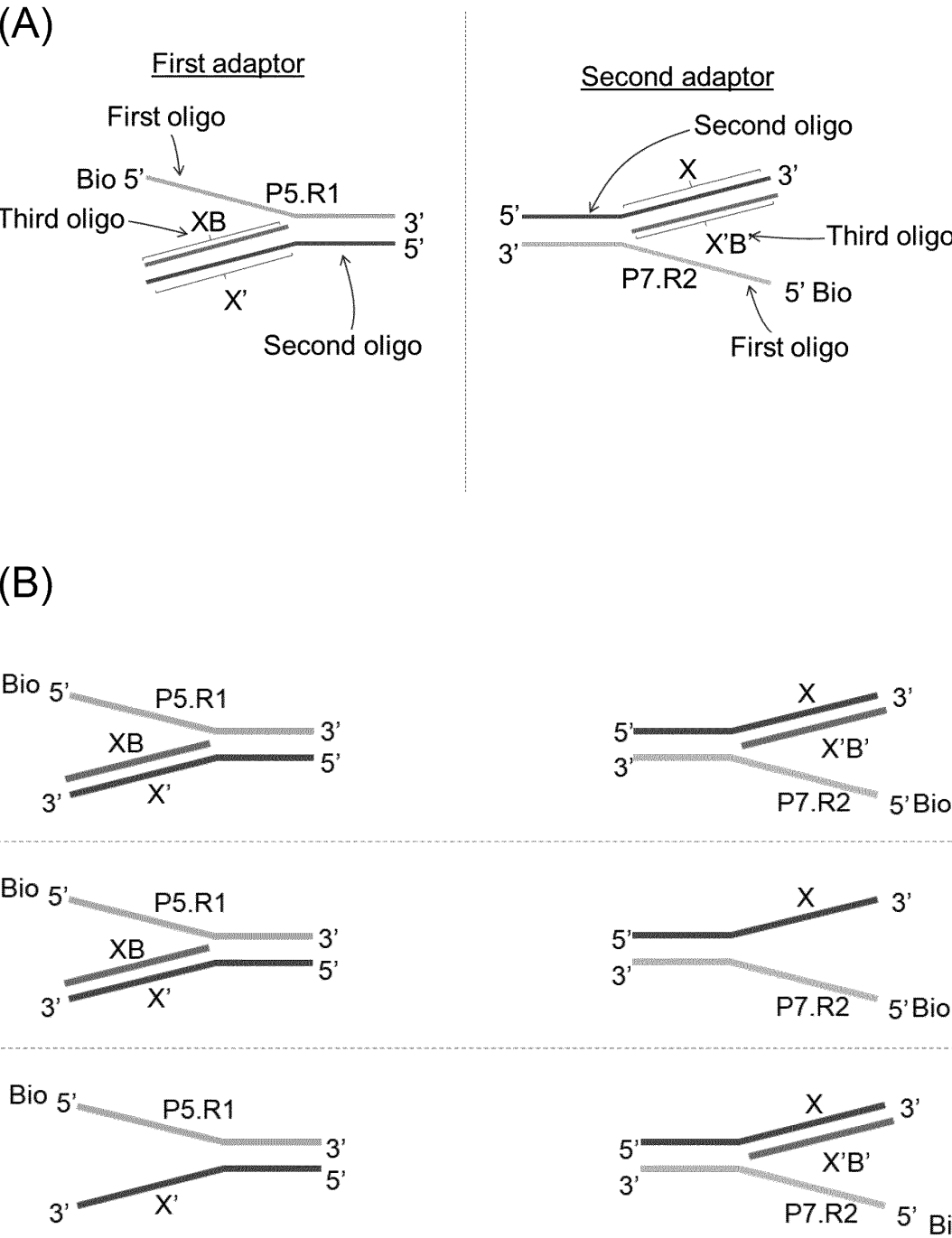
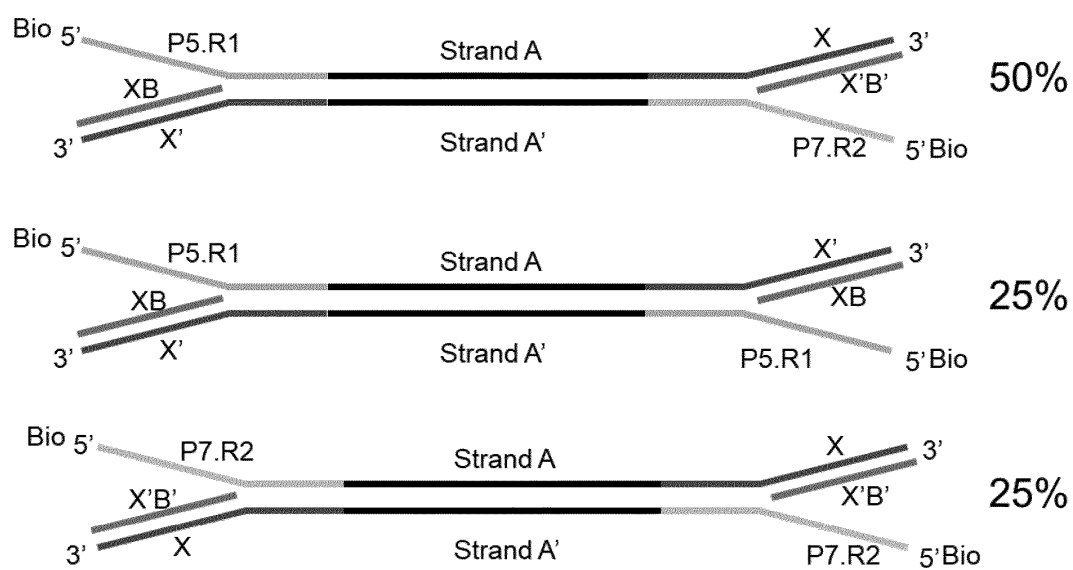
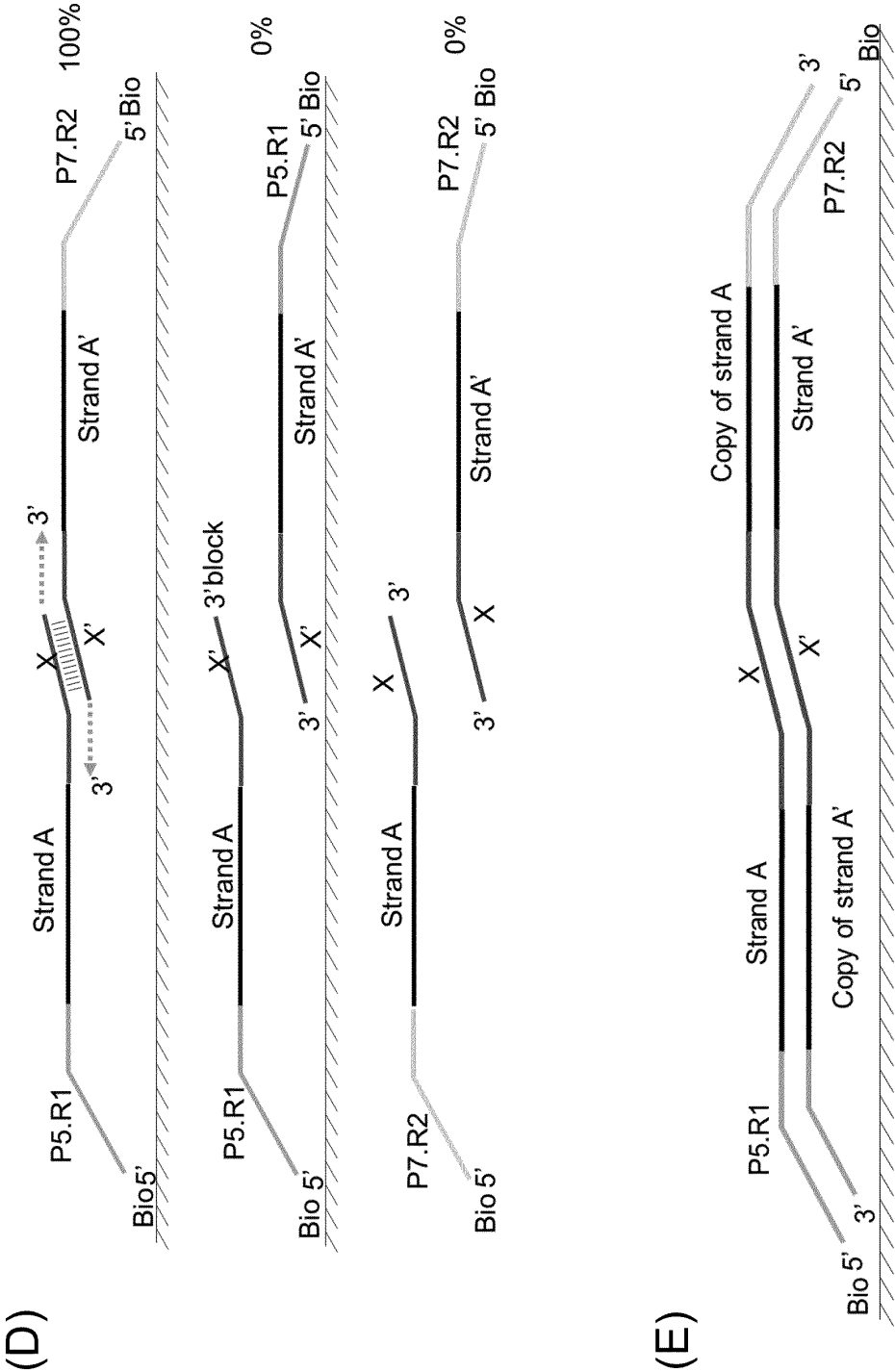


FIG. 5

(C)

FIG. 5
(continued)



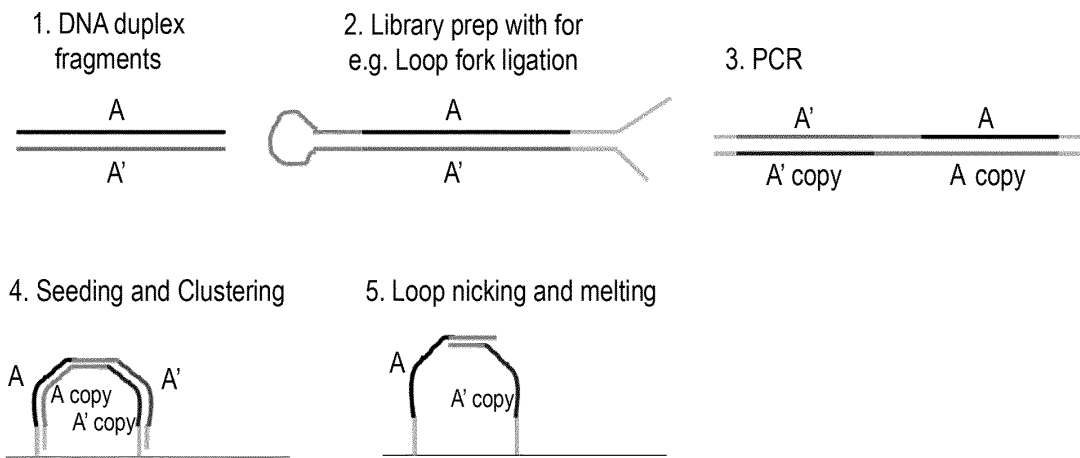


FIG. 6

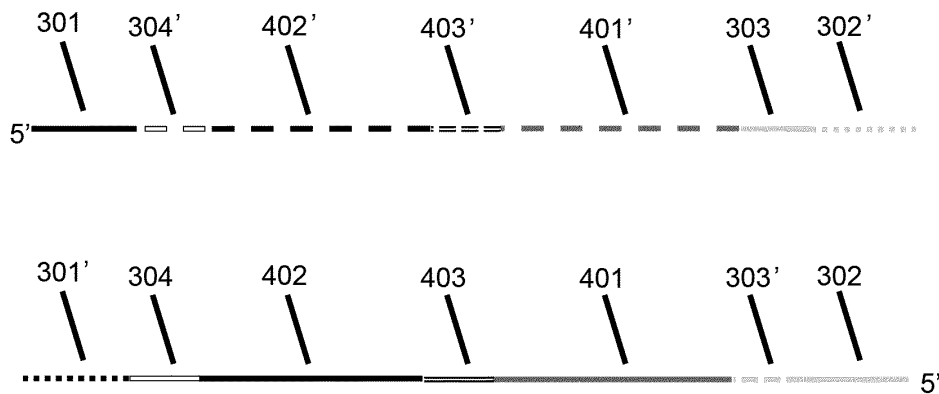


FIG. 7

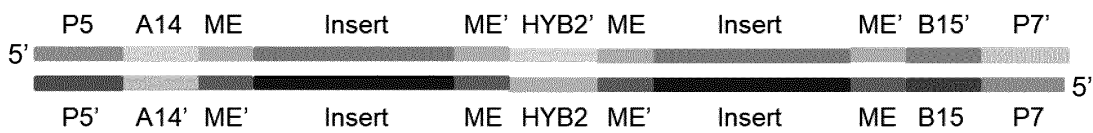


FIG. 8

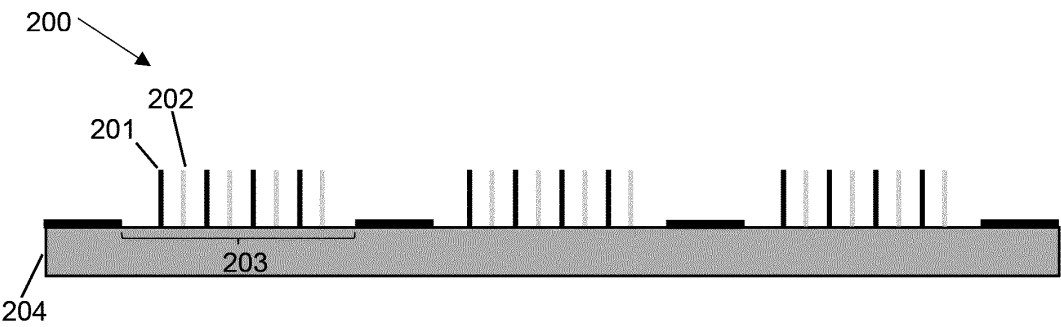


FIG. 9

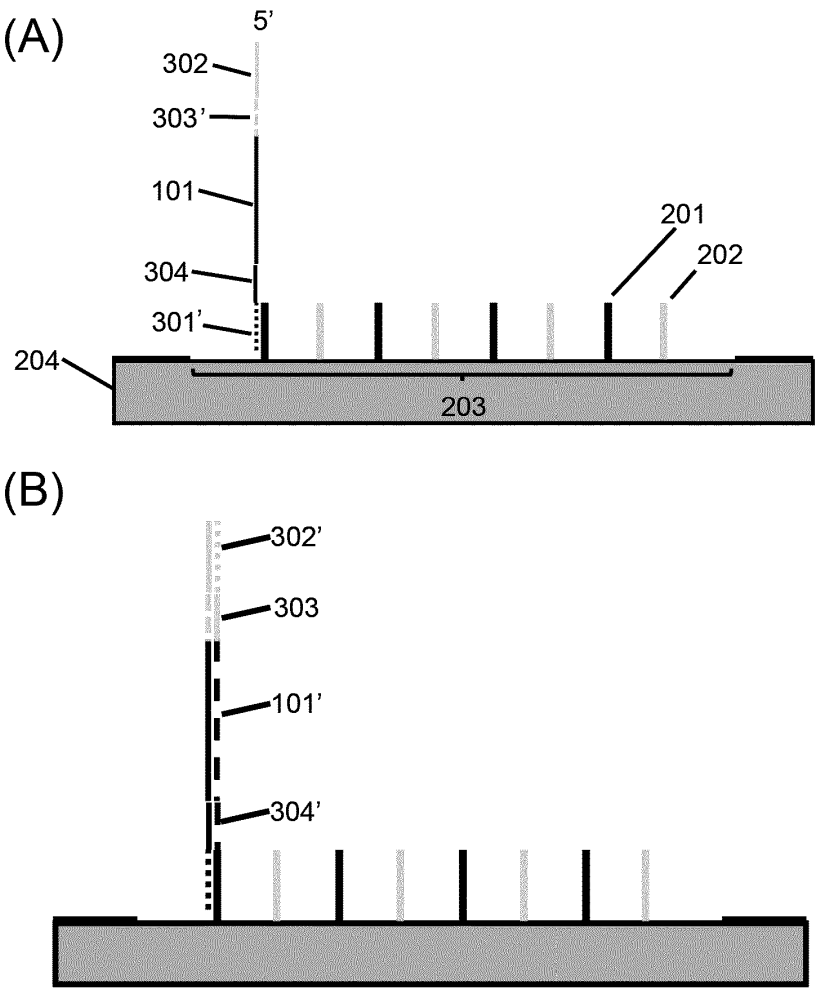


FIG. 10

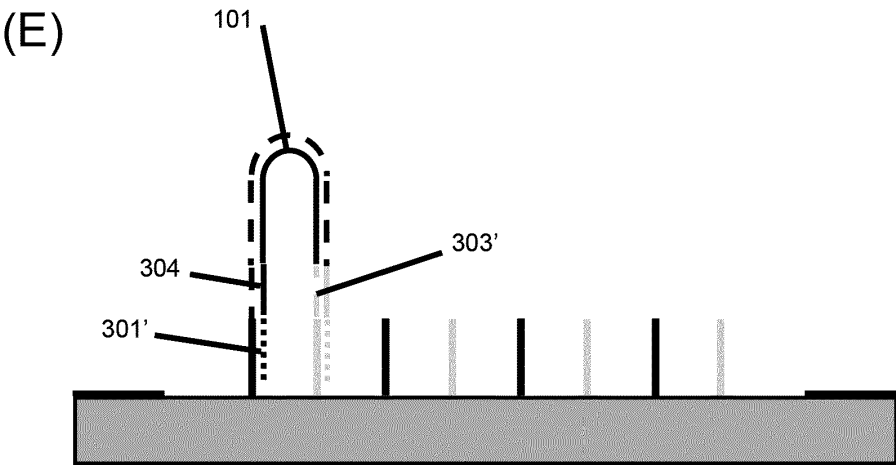
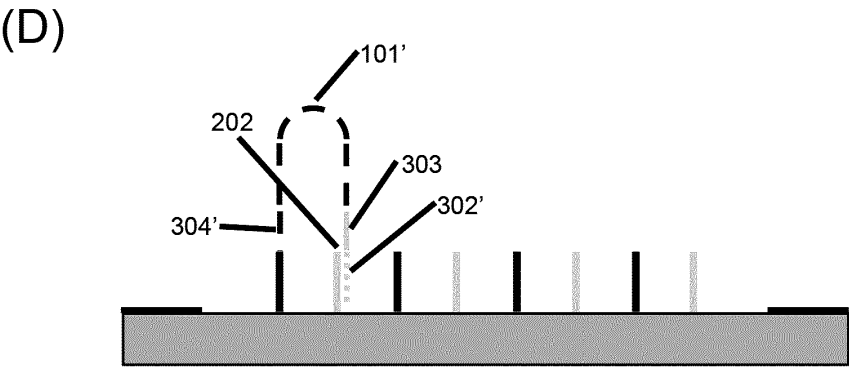
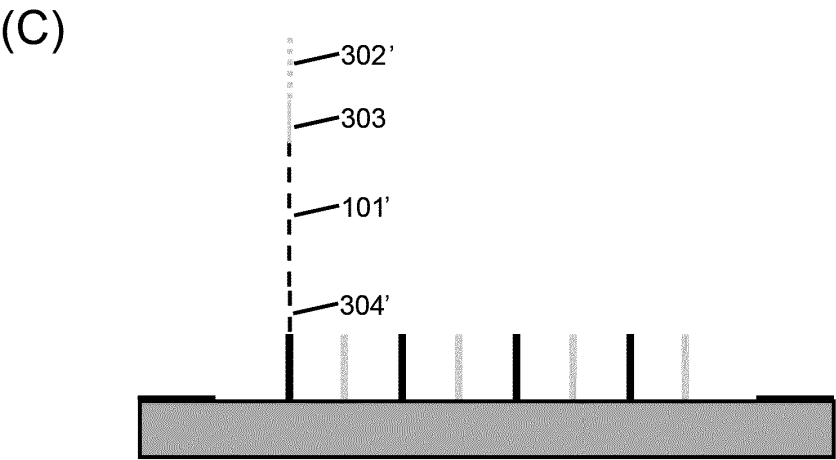


FIG. 10 (continued)

9/26

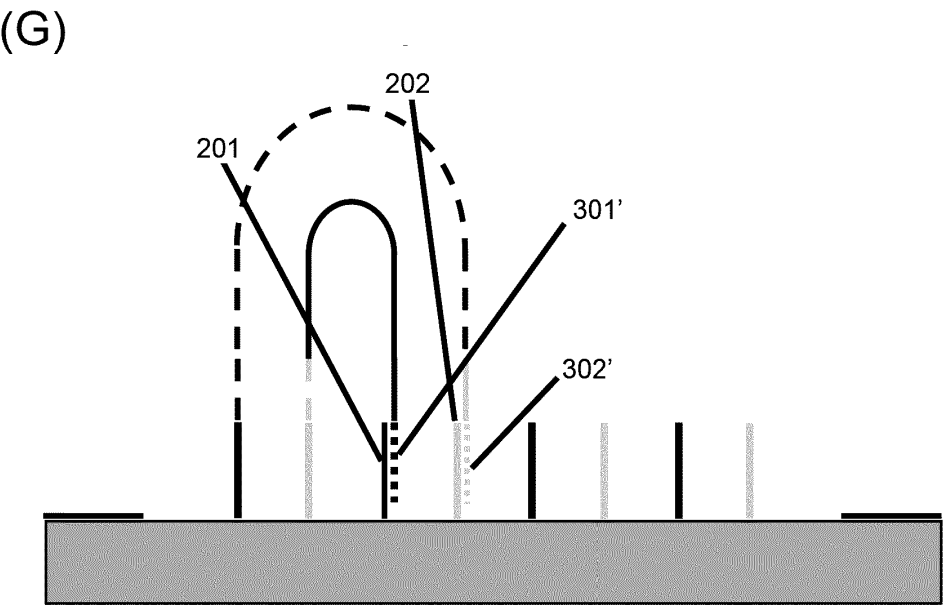
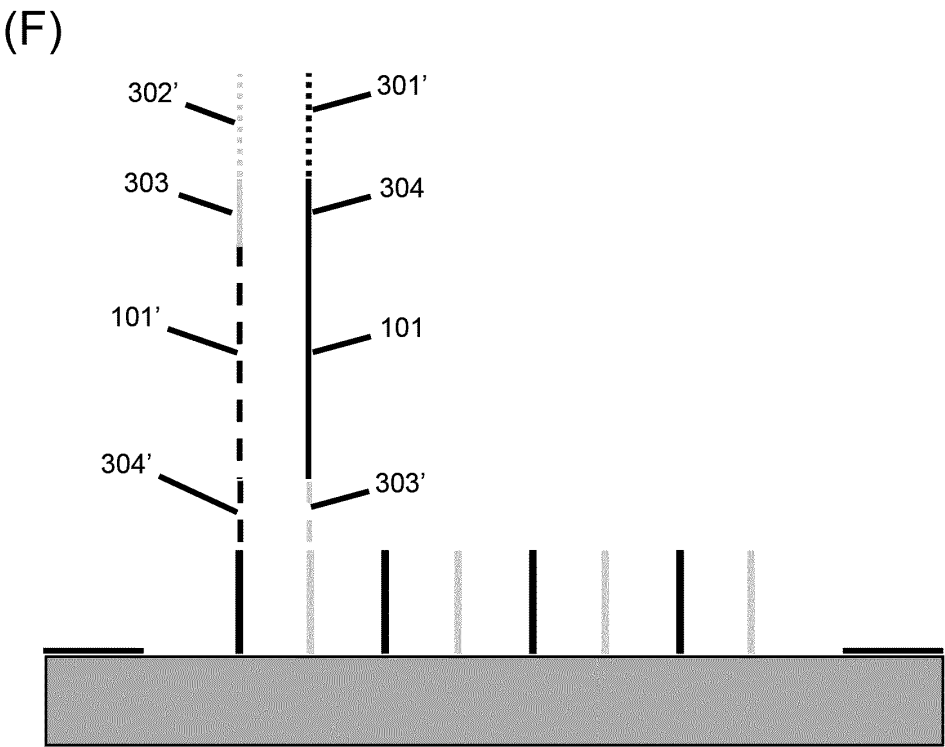


FIG. 10 (continued)

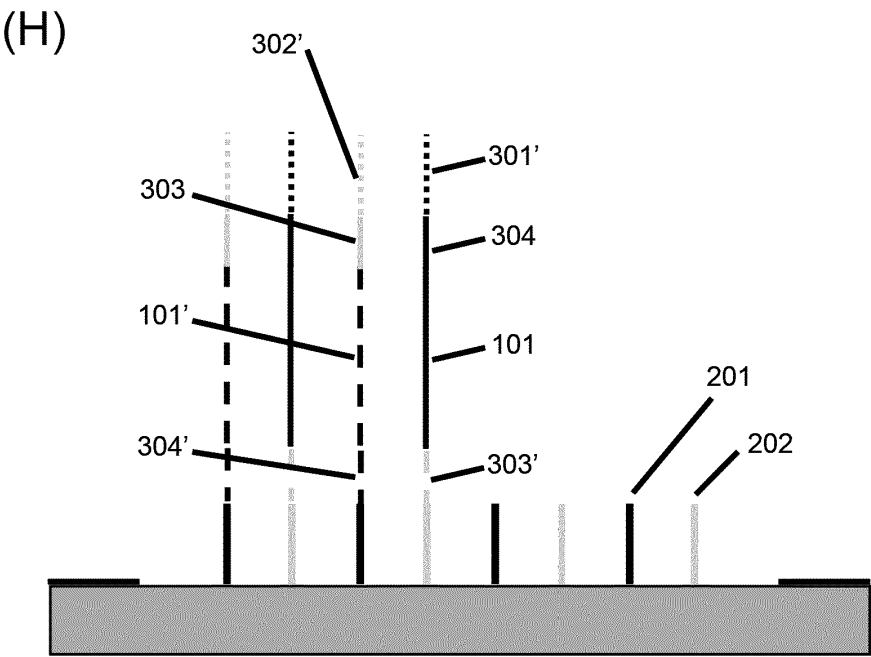


FIG. 10 (continued)

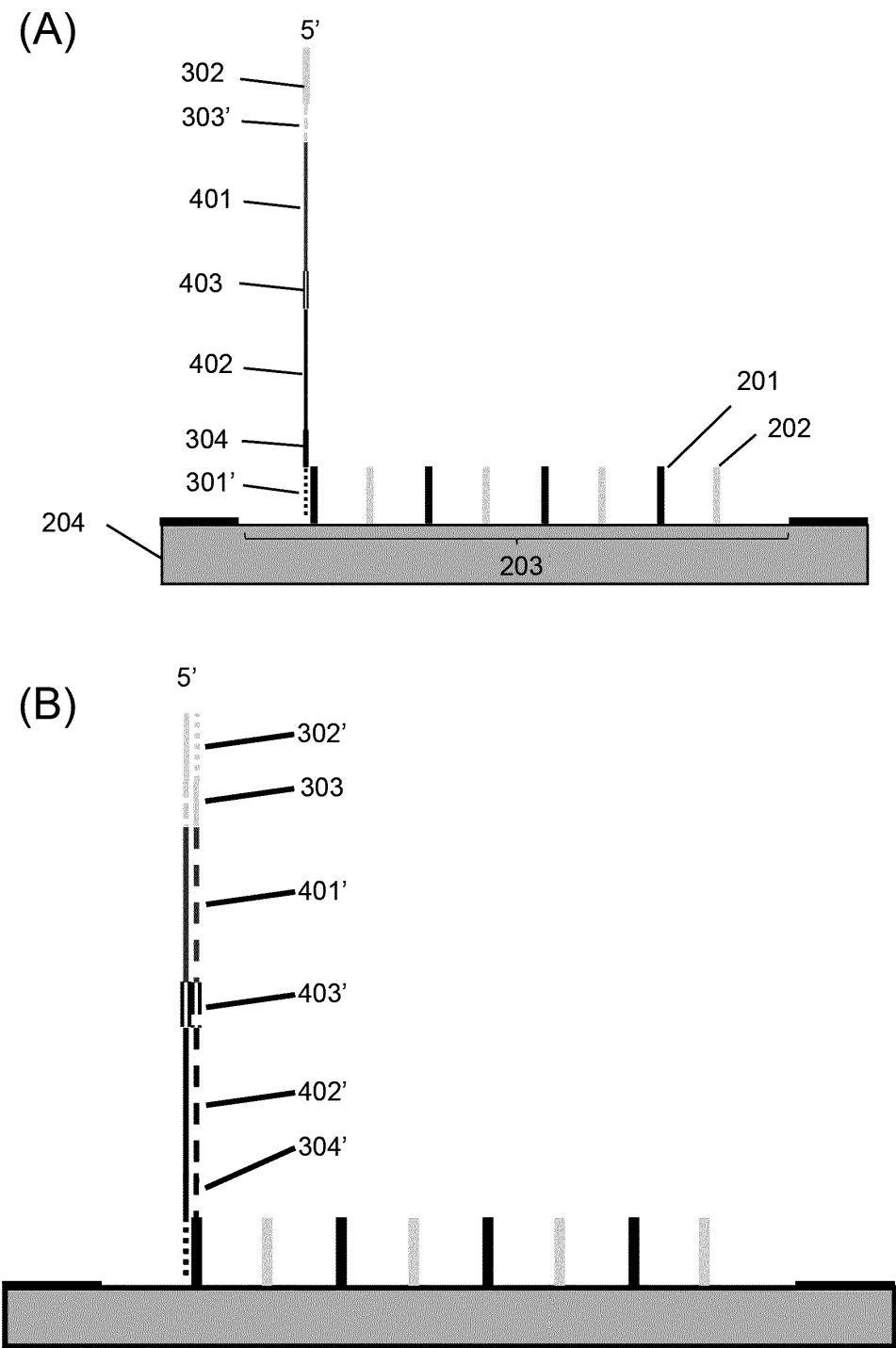


FIG. 11

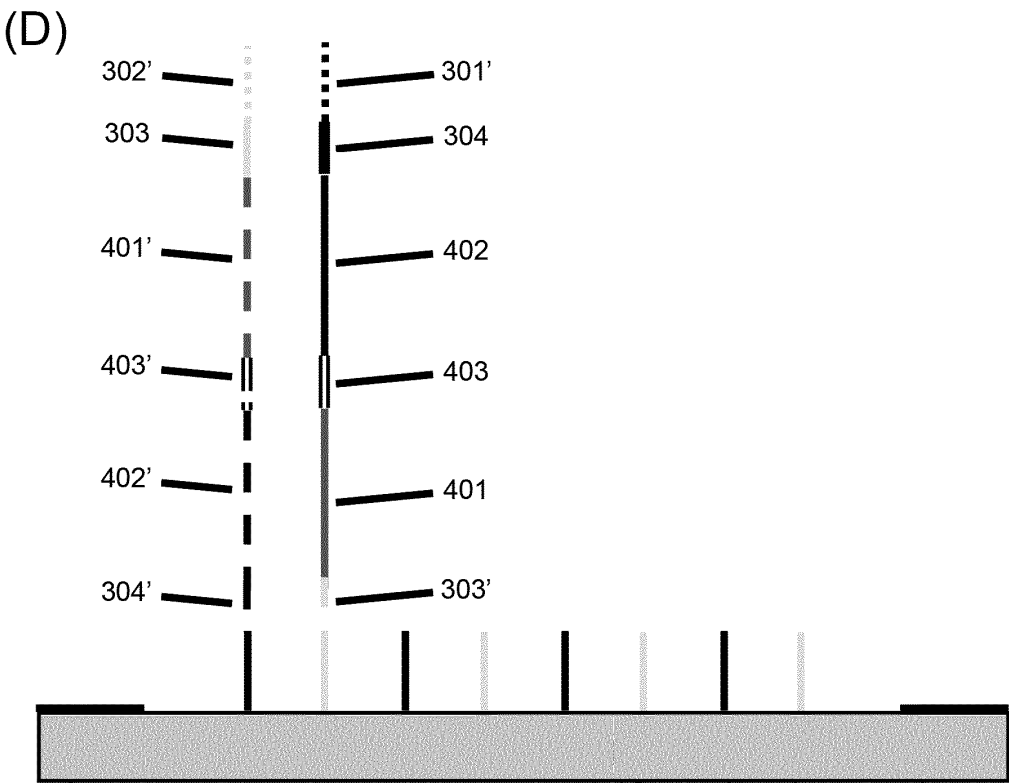
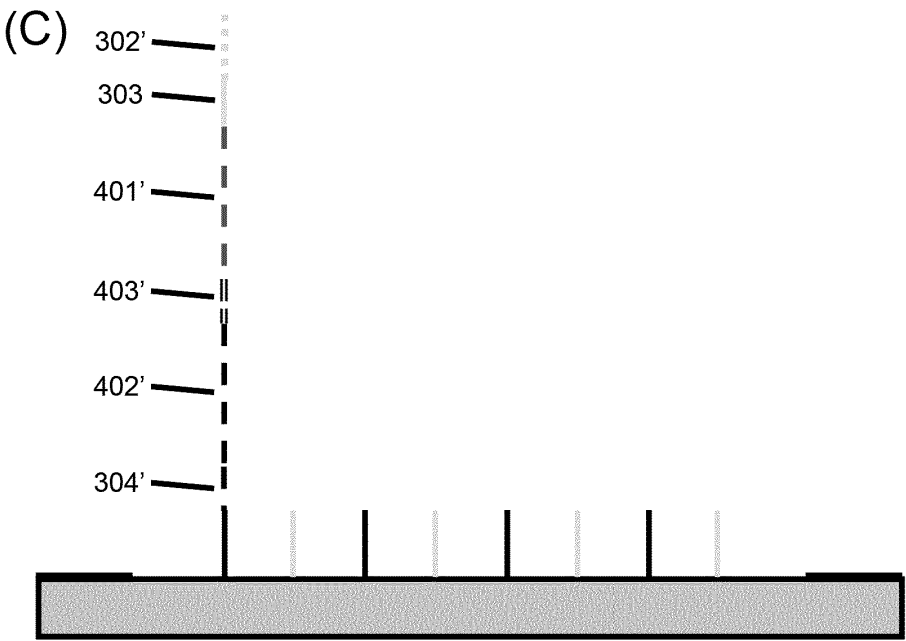


FIG. 11 (continued)

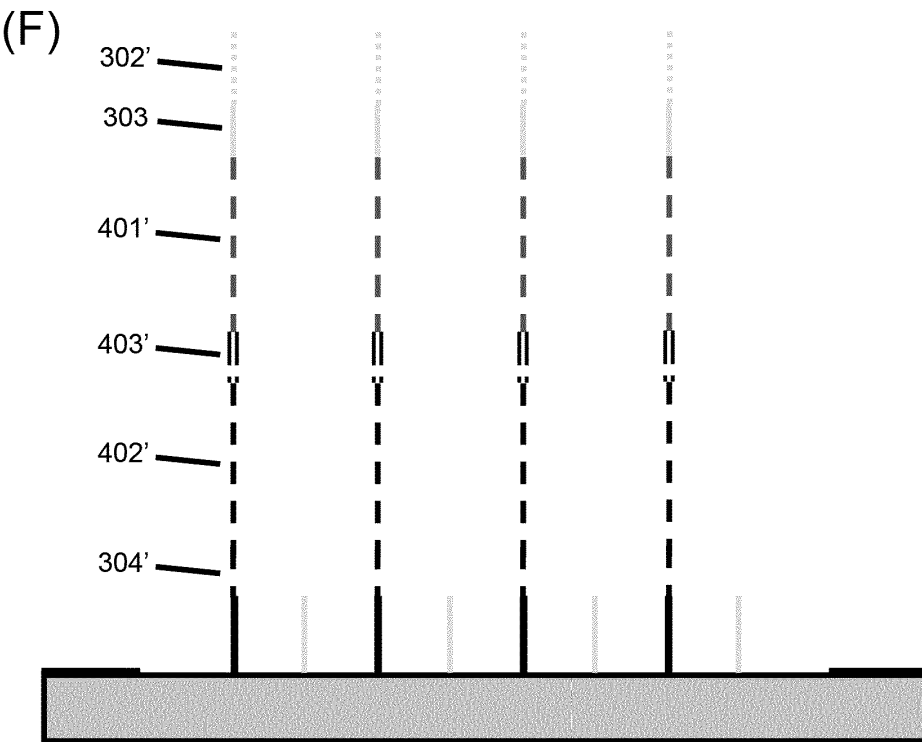
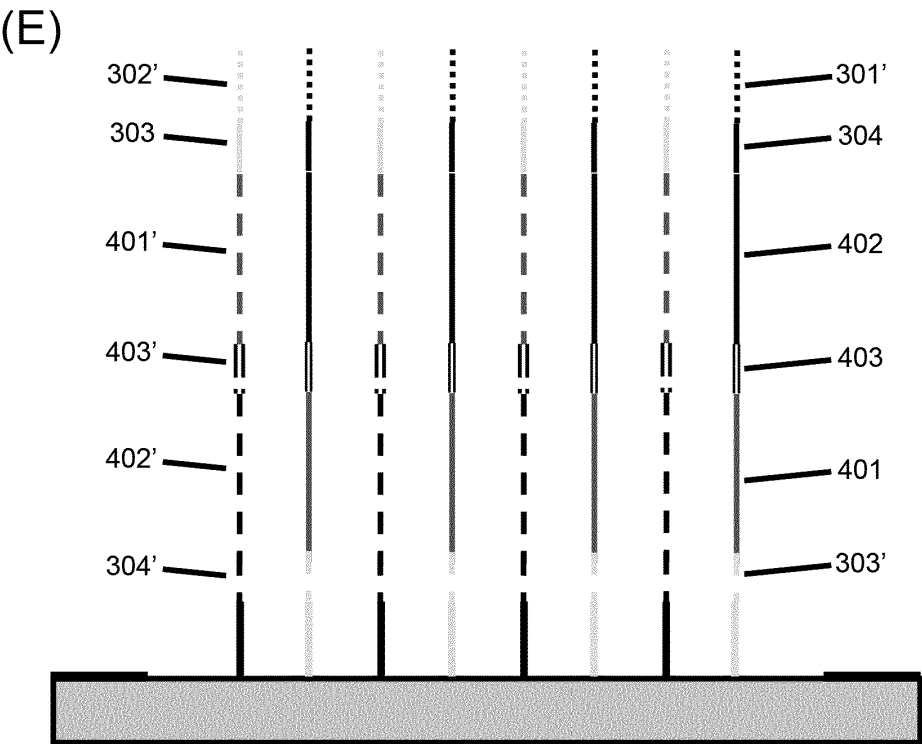


FIG. 11 (continued)

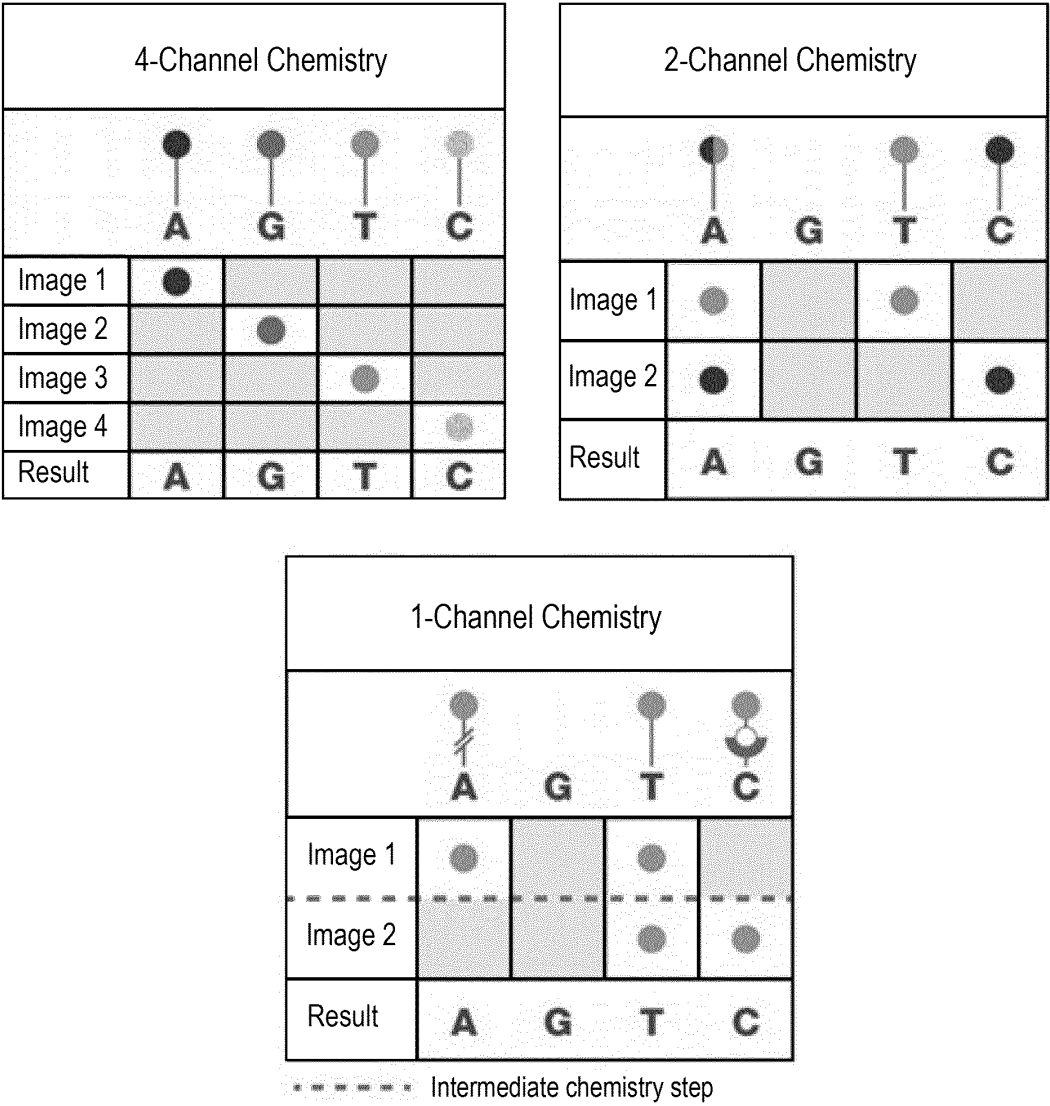


FIG. 12

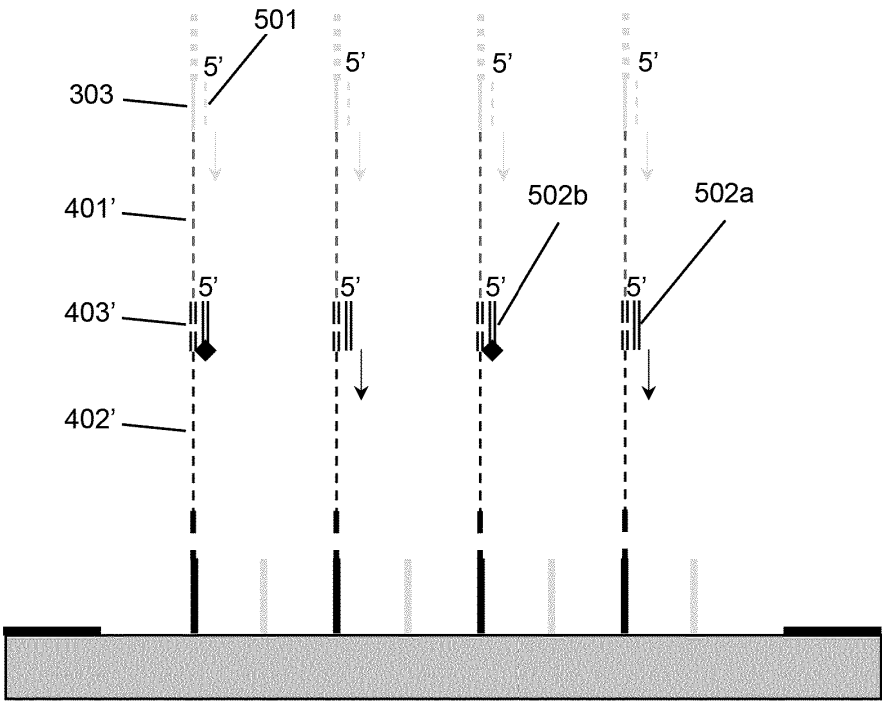


FIG. 13

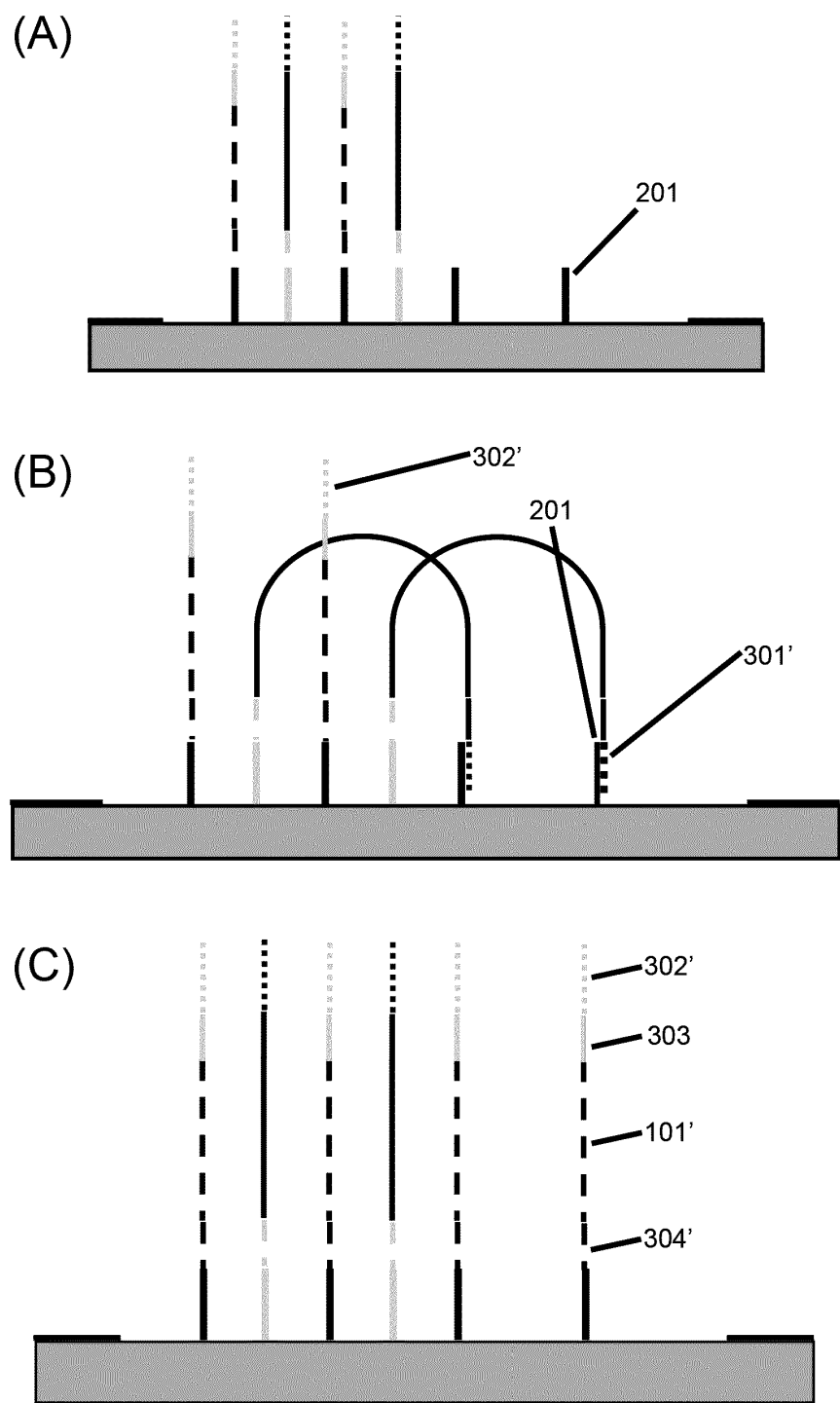


FIG. 14

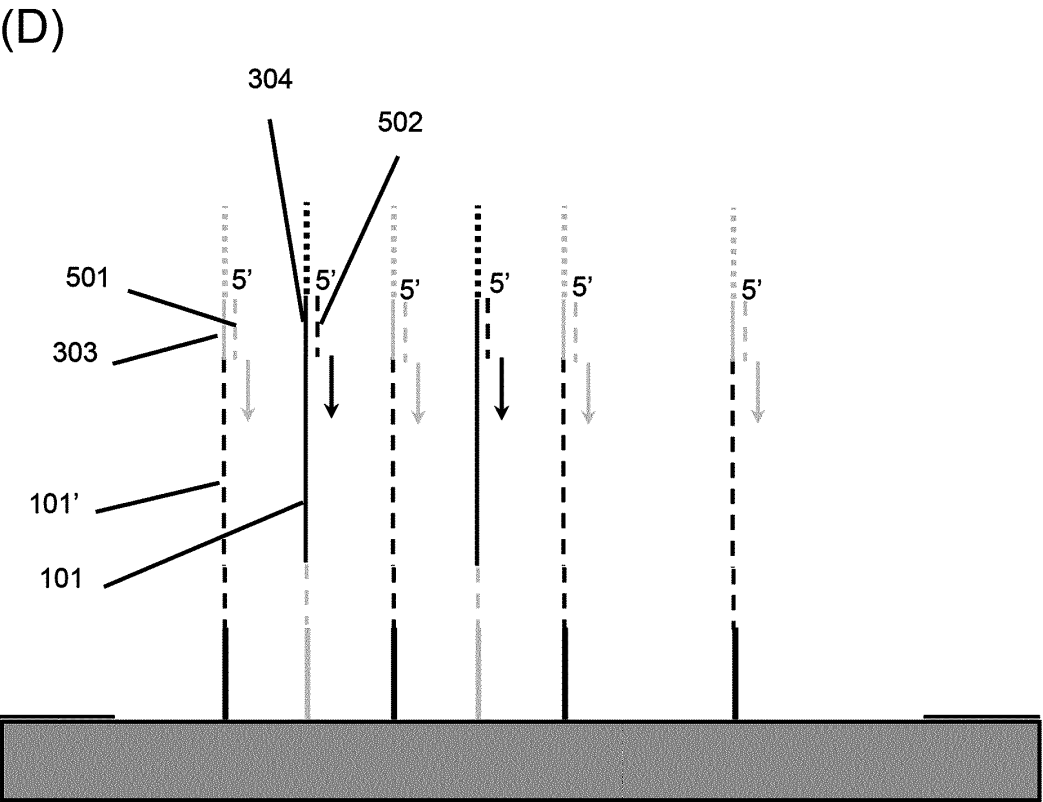


FIG. 14
(continued)

18/26

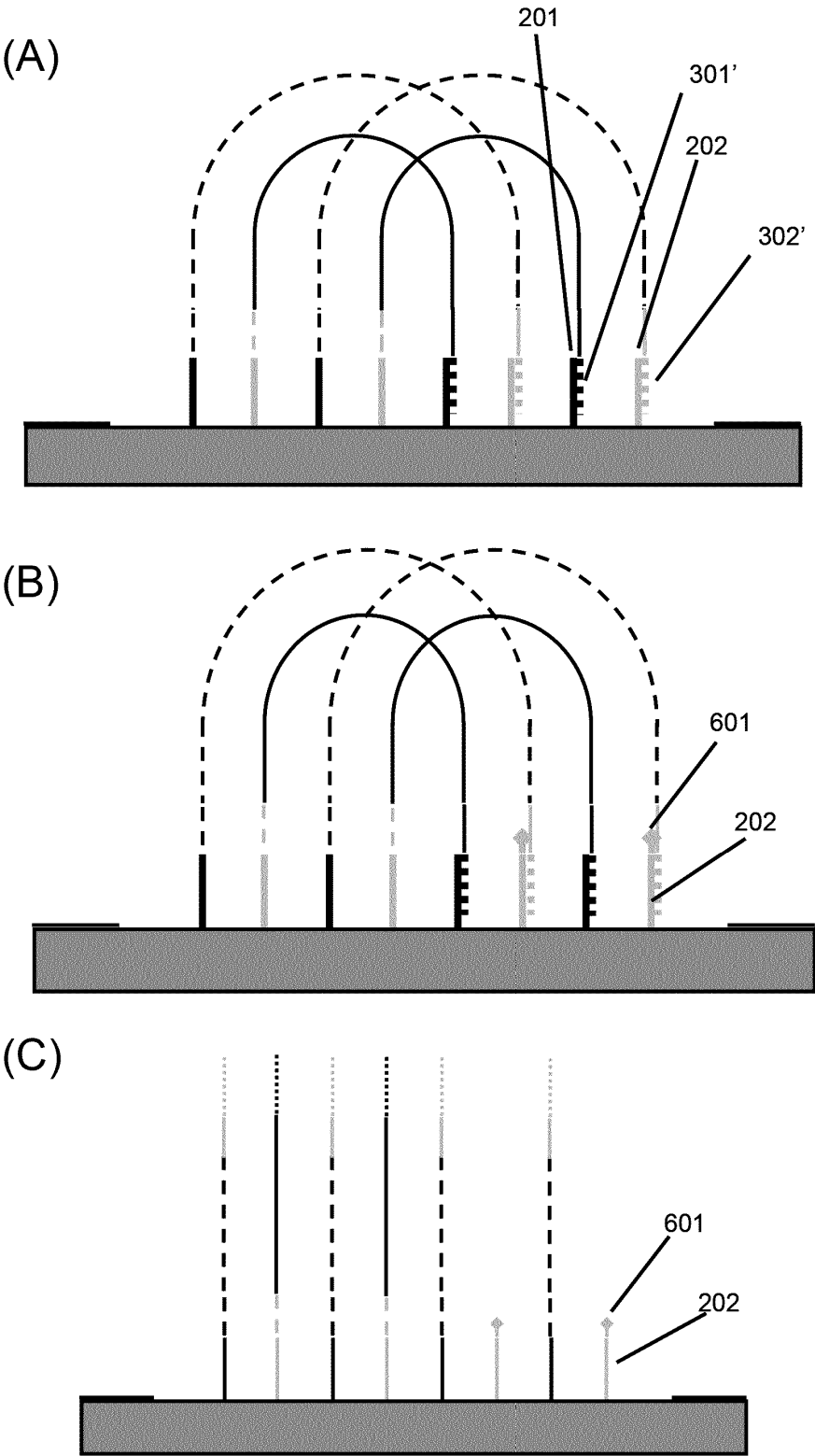


FIG. 15

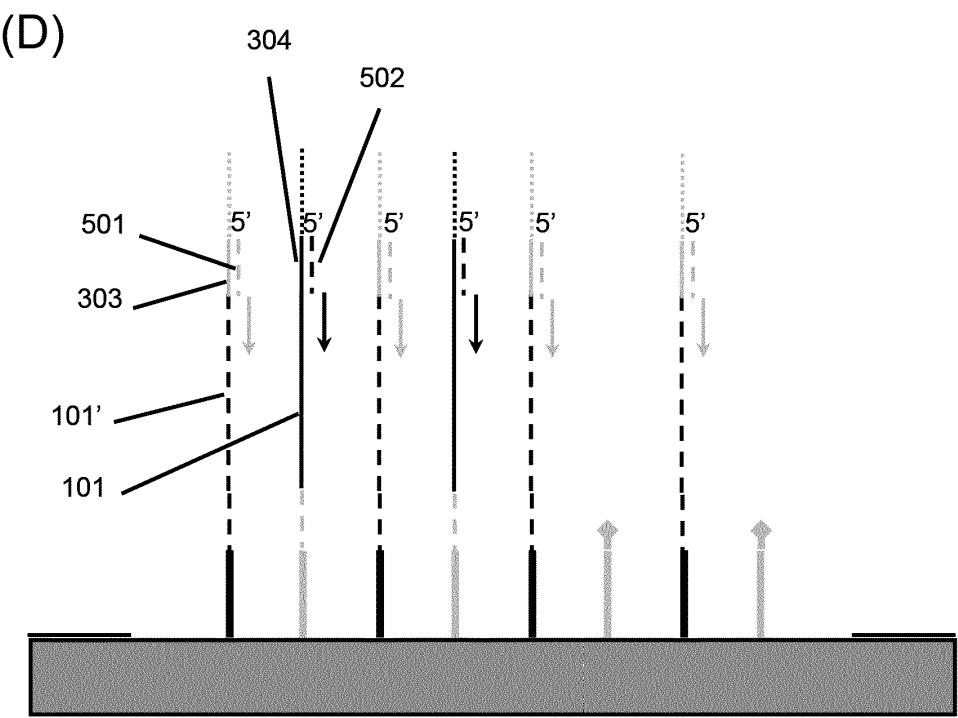


FIG. 15 (continued)

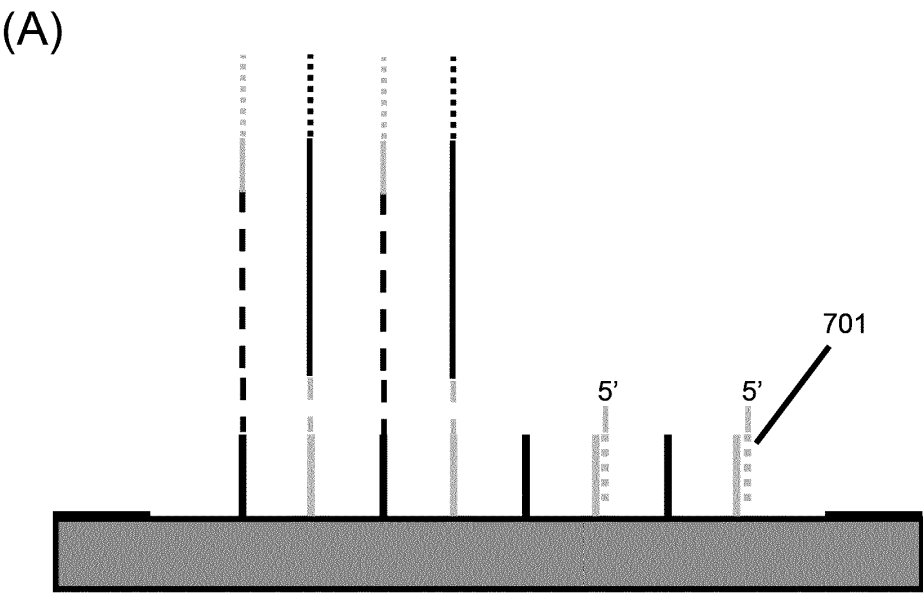


FIG. 16

20/26

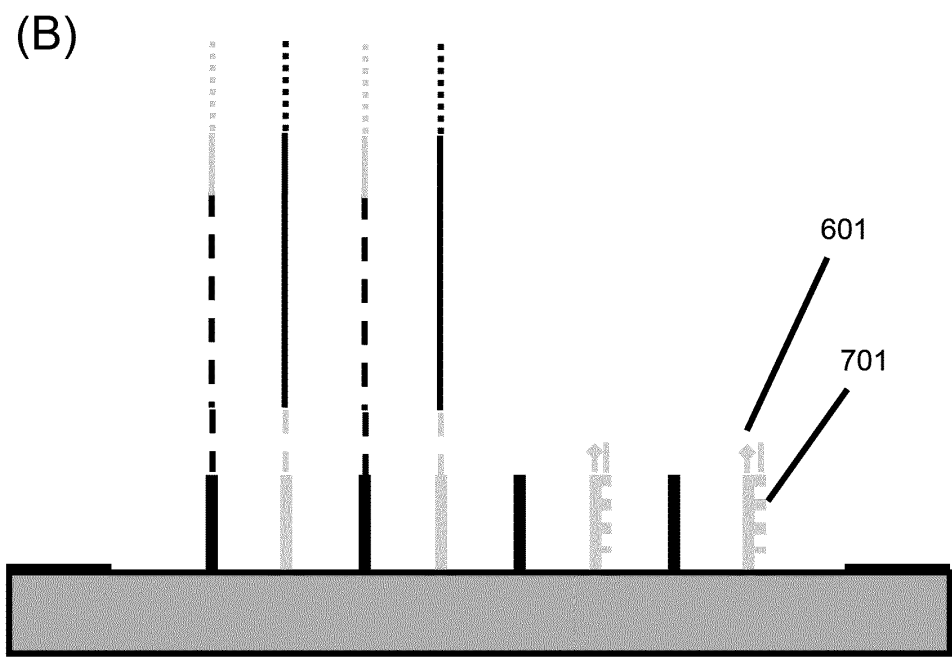


FIG. 16 (continued)

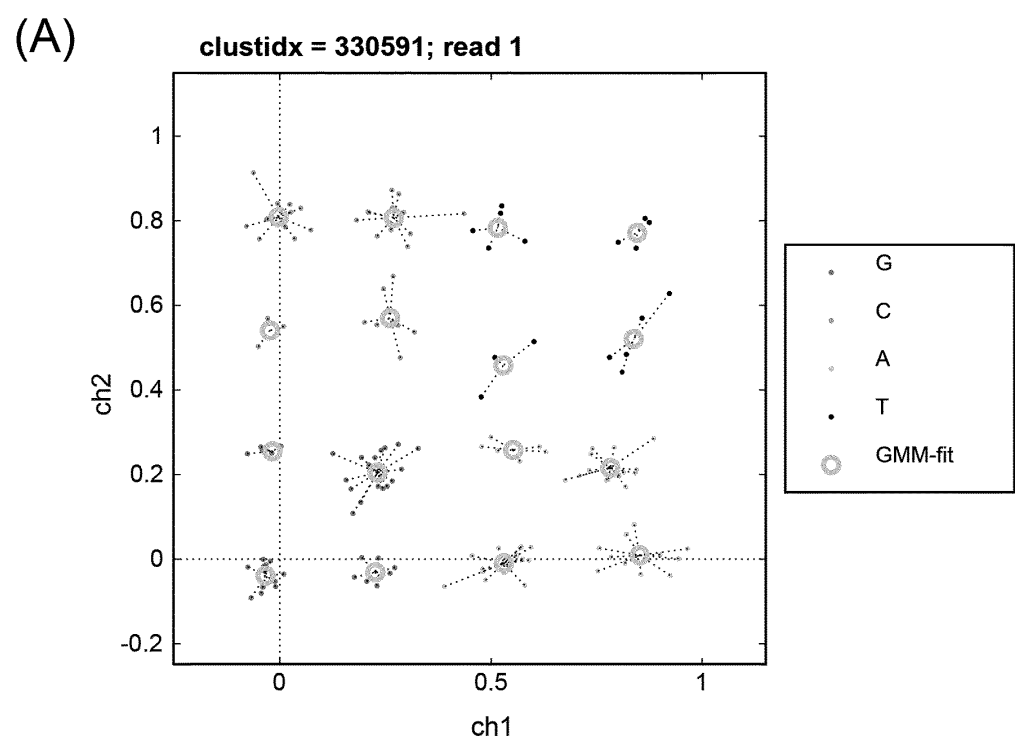


FIG. 17

(B)

Major read (R1) : Human

Download

GenBank

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	CCCAGGGGAGGTTCCCAGGAAGGCATAGGCTAAAGGTCAACAAGAACAGTGCAAACCCCA	60	SEQ ID NO: 45	
Sbjct 137173	CCCAGGGGAGGTTCCCAGGAAGGCATAGGCTAAAGGTCAACAAGAACAGTGCAAACCCCA	137114	SEQ ID NO: 46	
Query 61	GCGGGTGACCAAGGAGAGGGGATCATTTCATTAAAGGCACAAAGTCAACAGGAGTGCGTGC	120		
Sbjct 137113	GCGGGTGACCAAGGAGAGGGGATCATTTCATTAAAGGCACAAAGTCAACAGGAGTGCGTGC	137054		
Query 121	AGAGCTTACAGAGCAGGACACAGGACCCAGA	151		
Sbjct 137053	AGAGCTCAGAGCAGGACACAGGACCCAGA	137023		

Minor read (R2) : PhiX

Download

GenBank

Graphics

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	SEQ ID NO: 47	
Sbjct 5187	CCGTGGACAGATTTGTCATTGTGAGCATTTTCATCCCGAAGTTGCGGCTCATTCTGATTC	5128	SEQ ID NO: 48	
Query 63	TGAACAGCTTCTTGGGAAGTAGCGACAGCTTGGTTTTAGTGAGTTGTTCCATTCTTTAG	122		
Sbjct 5127	TGAACAGCTTCTTGGGAAGTAGCGACAGCTTGGTTTTAGTGAGTTGTTCCATTCTTTAG	5068		
Query 123	CTCCCAGACCTTTAGCAGCAAGGTCCATA	151		
Sbjct 5067	CTCCTAGACCTTTAGCAGCAAGGTCCATA	5039		

FIG. 17 (continued)

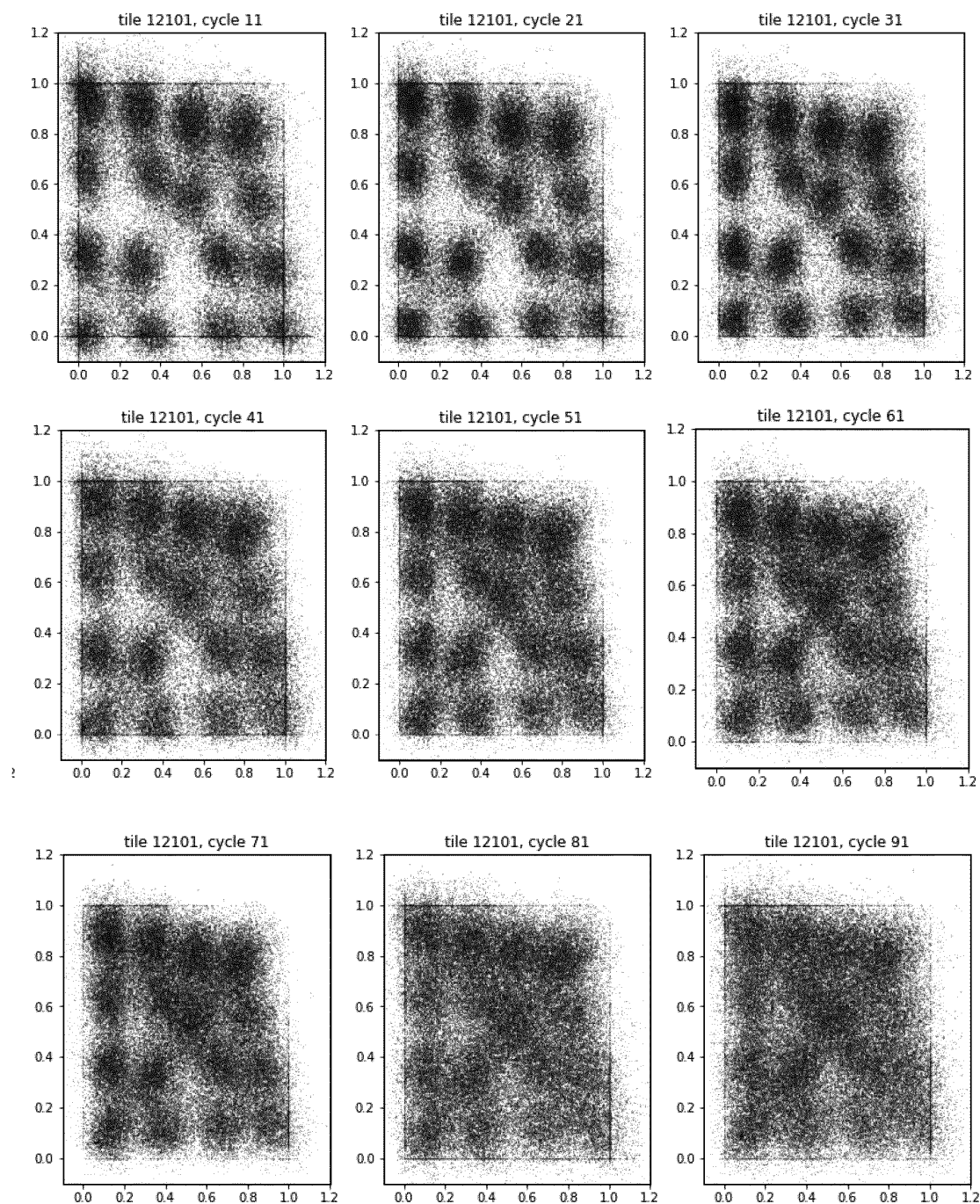


FIG. 18

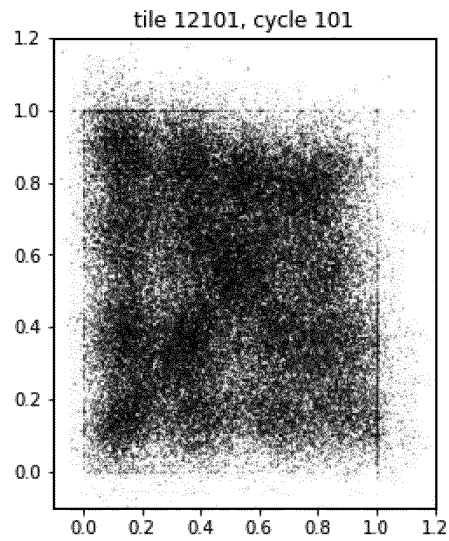


FIG. 18 (continued)

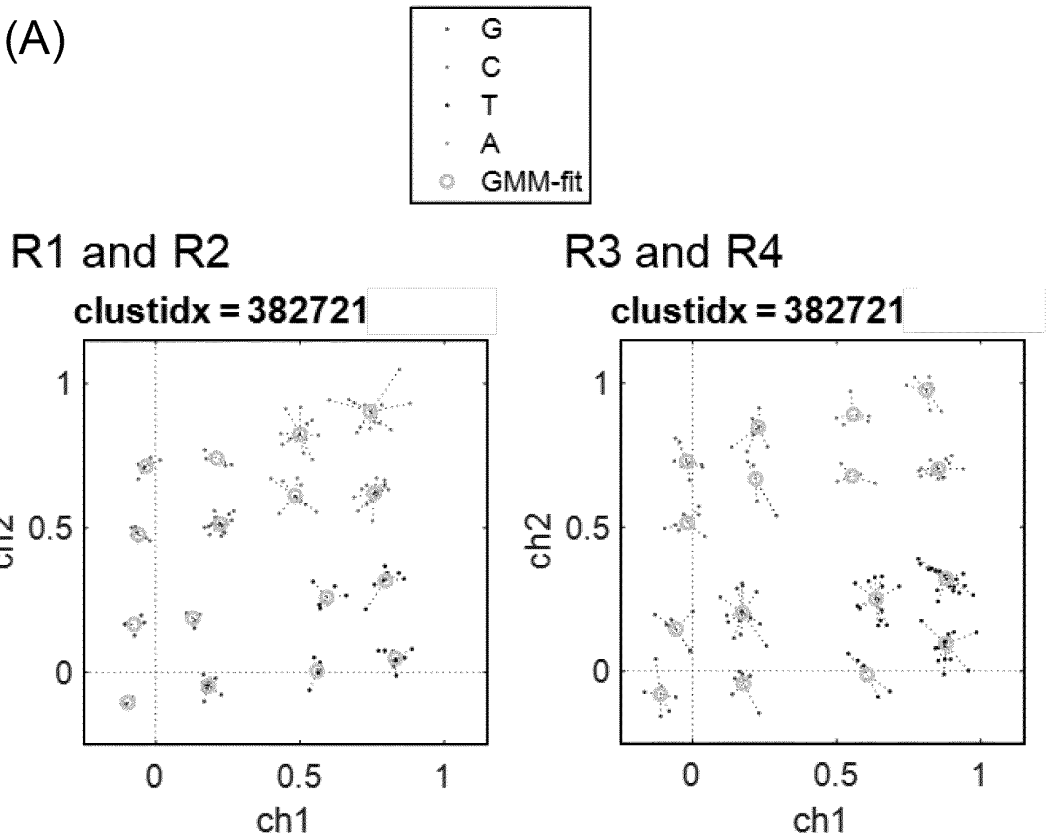


FIG. 19

(B)

Major fraction R1

Escherichia virus phiX174 strain evolved J3 line, complete genome

Sequence ID: [MH378441.1](#) Length: 5386 Number of Matches: 1

Range 1: 5018 to 5168 [GenBank](#) [Graphics](#) [▼ Next Match ▲](#)

Score	Expect	Identities	Gaps	Strand	
279 bits(151)	3e-71	151/151(100%)	0/151(0%)	Plus/Minus	
Query 1	ATACGTTACACAAAAGTCAGATATGGACCTTGCTGCTAAAGGCTAGGAGCTAAAGAATG 60				
Sbjct 5018	ATACGTTACACAAAAGTCAGATATGGACCTTGCTGCTAAAGGCTAGGAGCTAAAGAATG 5077				
Query 61	GAACAACCTCACTAAAAACCAAGCTGTCGCTACTTCCCAAGAAGCTGTTCAAGATCAGAAT 120				
Sbjct 5078	GAACAACCTCACTAAAAACCAAGCTGTCGCTACTTCCCAAGAAGCTGTTCAAGATCAGAAT 5137				
Query 121	GAGCGCAACTTCGGGATGAAAATGCTCACA 151				
Sbjct 5138	GAGCGCAACTTCGGGATGAAAATGCTCACA 5168				

SEQ ID
NO: 49

Minor fraction R2

Escherichia virus phiX174 strain evolved J3 line, complete genome

Sequence ID: [MH378441.1](#) Length: 5386 Number of Matches: 1

Range 1: 3923 to 4072 [GenBank](#) [Graphics](#) [▼ Next Match ▲](#)

Score	Expect	Identities	Gaps	Strand	
278 bits(150)	1e-70	150/150(100%)	0/150(0%)	Plus/Plus	
Query 1	AGGATTGACACCCCTCCCAATTGTATGTTTTCATGCTCCCAAACTTGGAGGCTTTTAT 60				
Sbjct 3923	AGGATTGACACCCCTCCCAATTGTATGTTTTCATGCTCCCAAACTTGGAGGCTTTTAT 3982				
Query 61	GGTTCGTTCTTATTACCTTCTGAATGTCAGGCTGATATTTTGACTTTGAGCGTATCGA 120				
Sbjct 3983	GGTTCGTTCTTATTACCTTCTGAATGTCAGGCTGATATTTTGACTTTGAGCGTATCGA 4042				
Query 121	GGCTCTTAACCTGCTATTGAGGCTTGTGG 150				
Sbjct 4043	GGCTCTTAACCTGCTATTGAGGCTTGTGG 4072				

SEQ ID
NO: 51

Major fraction R3

Escherichia virus phiX174 strain evolved J3 line, complete genome

Sequence ID: [MH378441.1](#) Length: 5386 Number of Matches: 1

Range 1: 5067 to 5217 [GenBank](#) [Graphics](#) [▼ Next Match ▲](#)

Score	Expect	Identities	Gaps	Strand	
279 bits(151)	3e-71	151/151(100%)	0/151(0%)	Plus/Minus	
Query 1	AACCCAGCTTGGTAAGTTGGATTAAACACTCCGTGGACAGATTGTCATTGTGAGCAATT 60				
Sbjct 5217	AACCCAGCTTGGTAAGTTGGATTAAACACTCCGTGGACAGATTGTCATTGTGAGCAATT 5158				
Query 61	TCATCCGAAGTGGCGGCTCATCTGATCTGAACAGCTTCTTGGGAAGTAGGACAGCT 120				
Sbjct 5157	TCATCCGAAGTGGCGGCTCATCTGATCTGAACAGCTTCTTGGGAAGTAGGACAGCT 5098				
Query 121	TGGTTTTAGTGAGTGTGTCATTCTTTAGC 151				
Sbjct 5097	TGGTTTTAGTGAGTGTGTCATTCTTTAGC 5067				

SEQ ID
NO: 50

Minor fraction R4

Escherichia virus phiX174 strain evolved J3 line, complete genome

Sequence ID: [MH378441.1](#) Length: 5386 Number of Matches: 1

Range 1: 4171 to 4320 [GenBank](#) [Graphics](#) [▼ Next Match ▲](#)

Score	Expect	Identities	Gaps	Strand	
255 bits(138)	6e-64	146/150(97%)	0/150(0%)	Plus/Minus	
Query 1		TAGTGTAAATTAATCAAGTTGGGGGAGCACATGTAGCATTTGGCCAATTCATCATT		60	
Sbjct 4320		TAGTGTAAATTAATCAAGTTGGGGGAGCACATGTAGCATTTGGCCAATTCATCATT		4261	
Query 61		ACTTCTCAGTAACAGATTCAAACTCATCAGAACGTCAGAAGCAGGCTTATGGCCGTCAA		120	
Sbjct 4260		ACTTCTCAGTAACAGATTCAAACTCATCAGAACGTCAGAAGCAGGCTTATGGCCGTCAA		4201	
Query 121		CATACATATCACCATTATGTAATCAAGC	150		
Sbjct 4200		CATACATATCACCATTATGTAATCAAGC	4171		

SEQ ID
NO: 52
SEQ ID
NO: 53

FIG. 19
(continued)

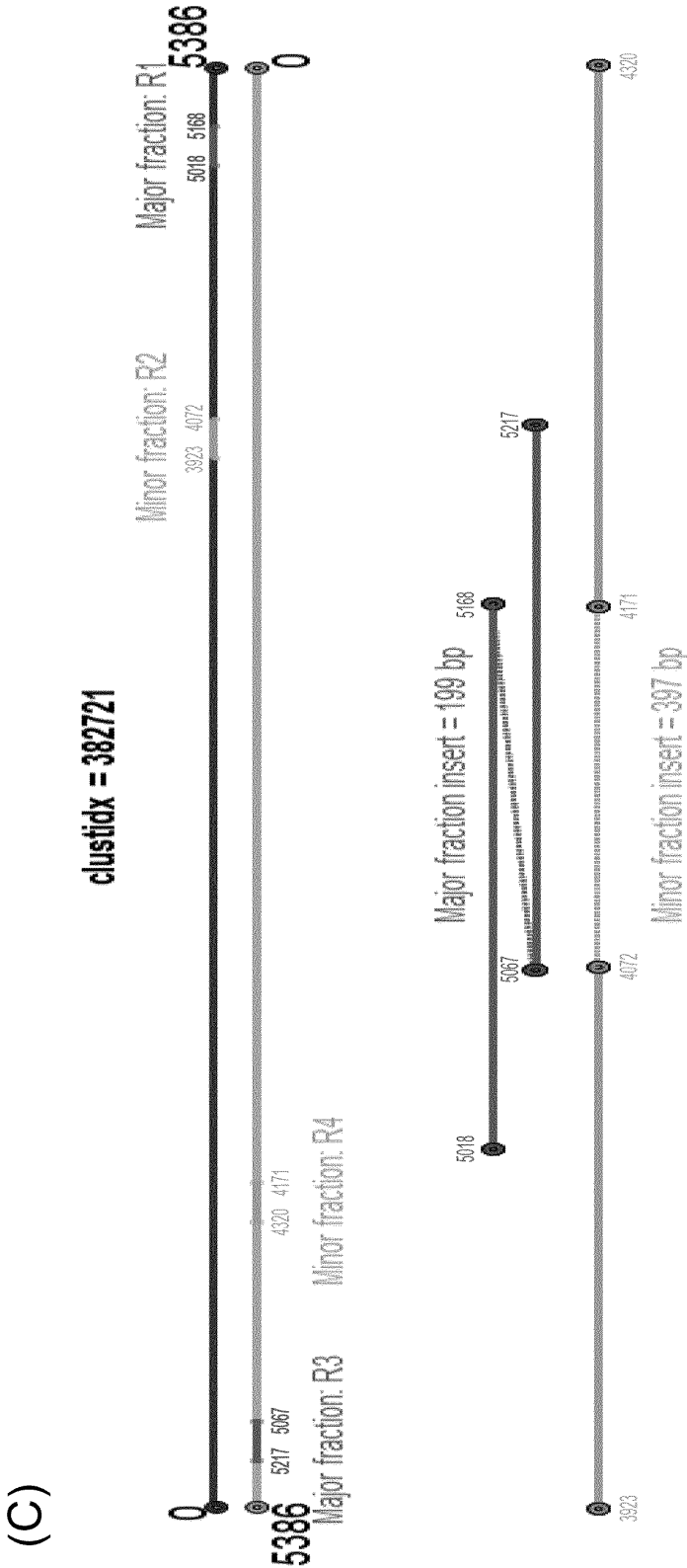


FIG. 19
(continued)

