

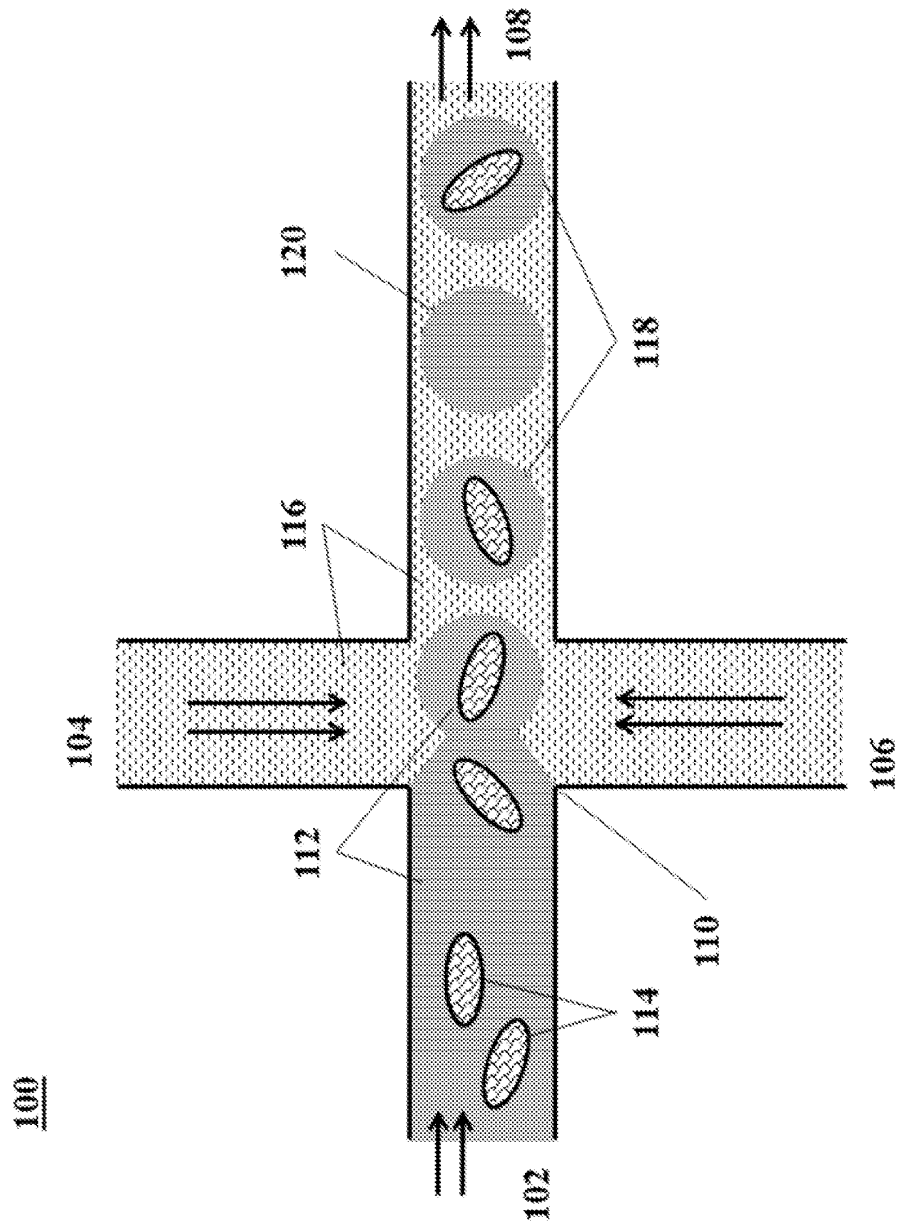


FIG. 1

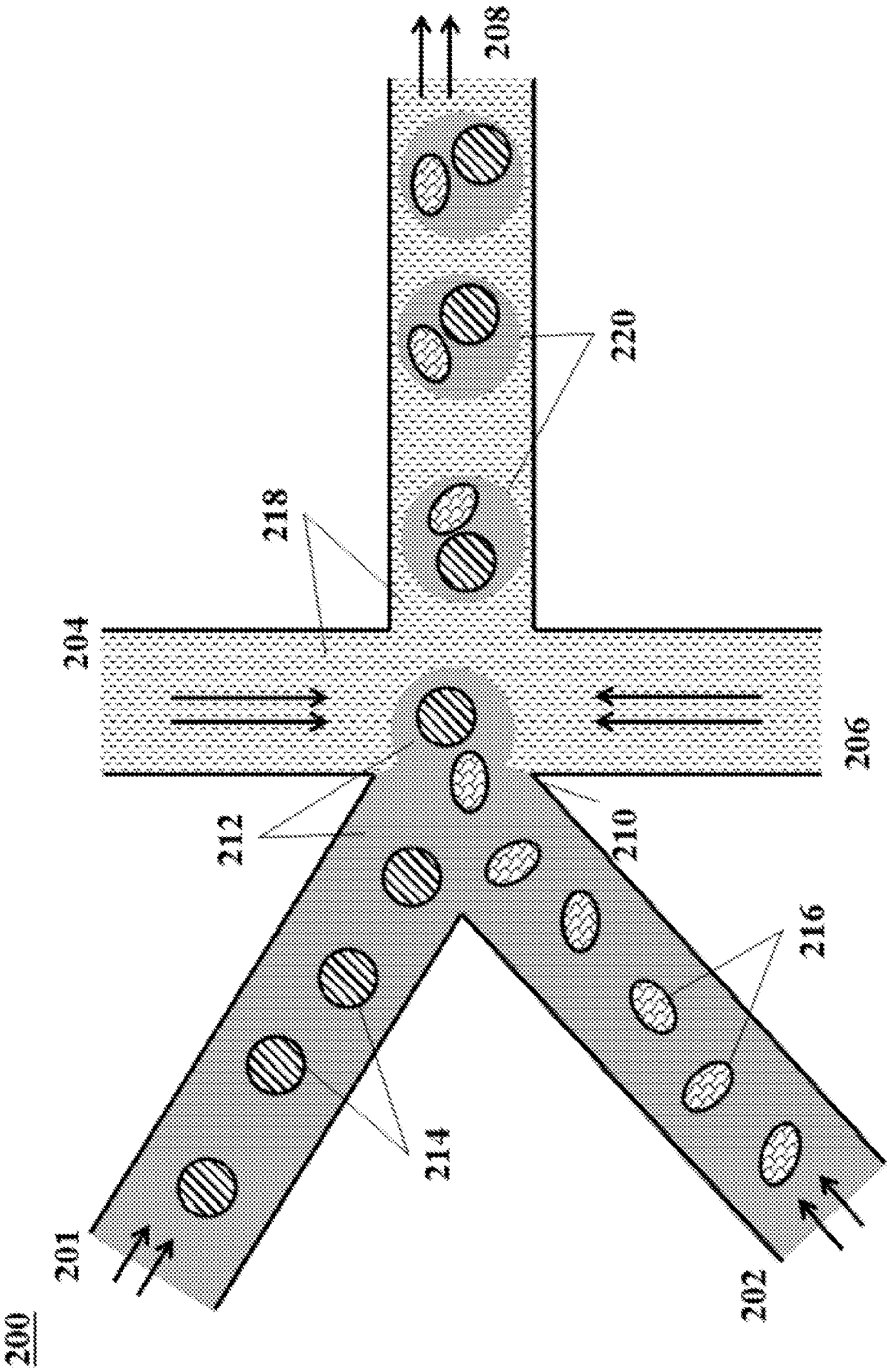


FIG. 2

300

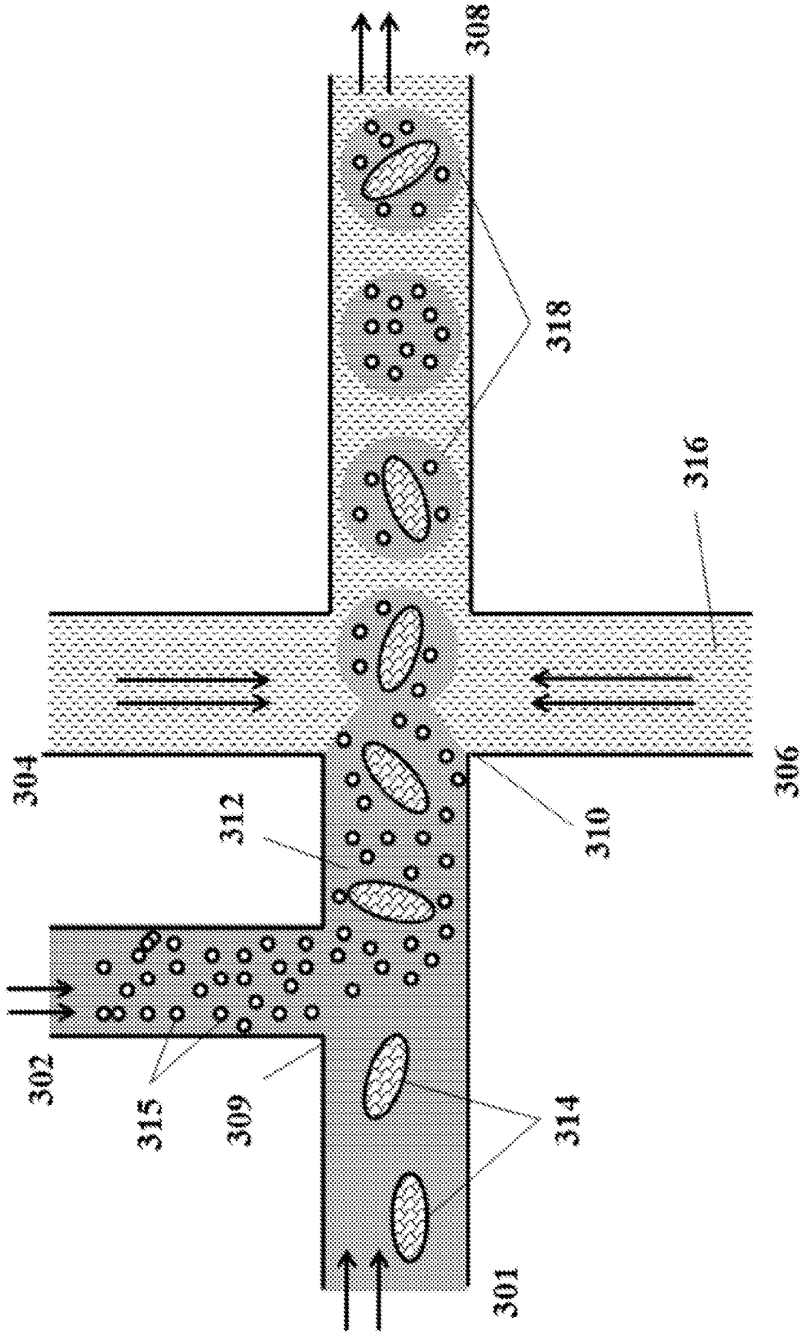


FIG. 3

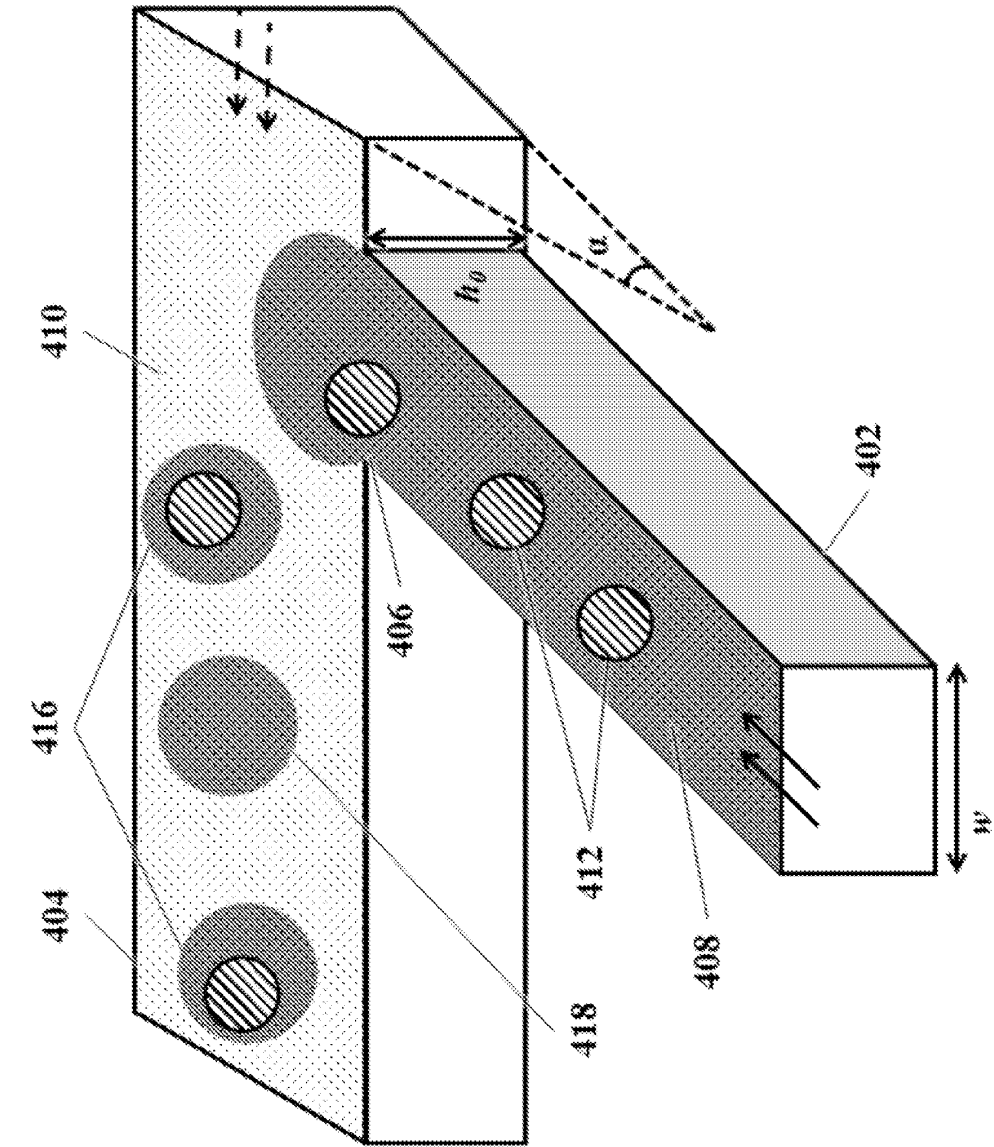


FIG. 4

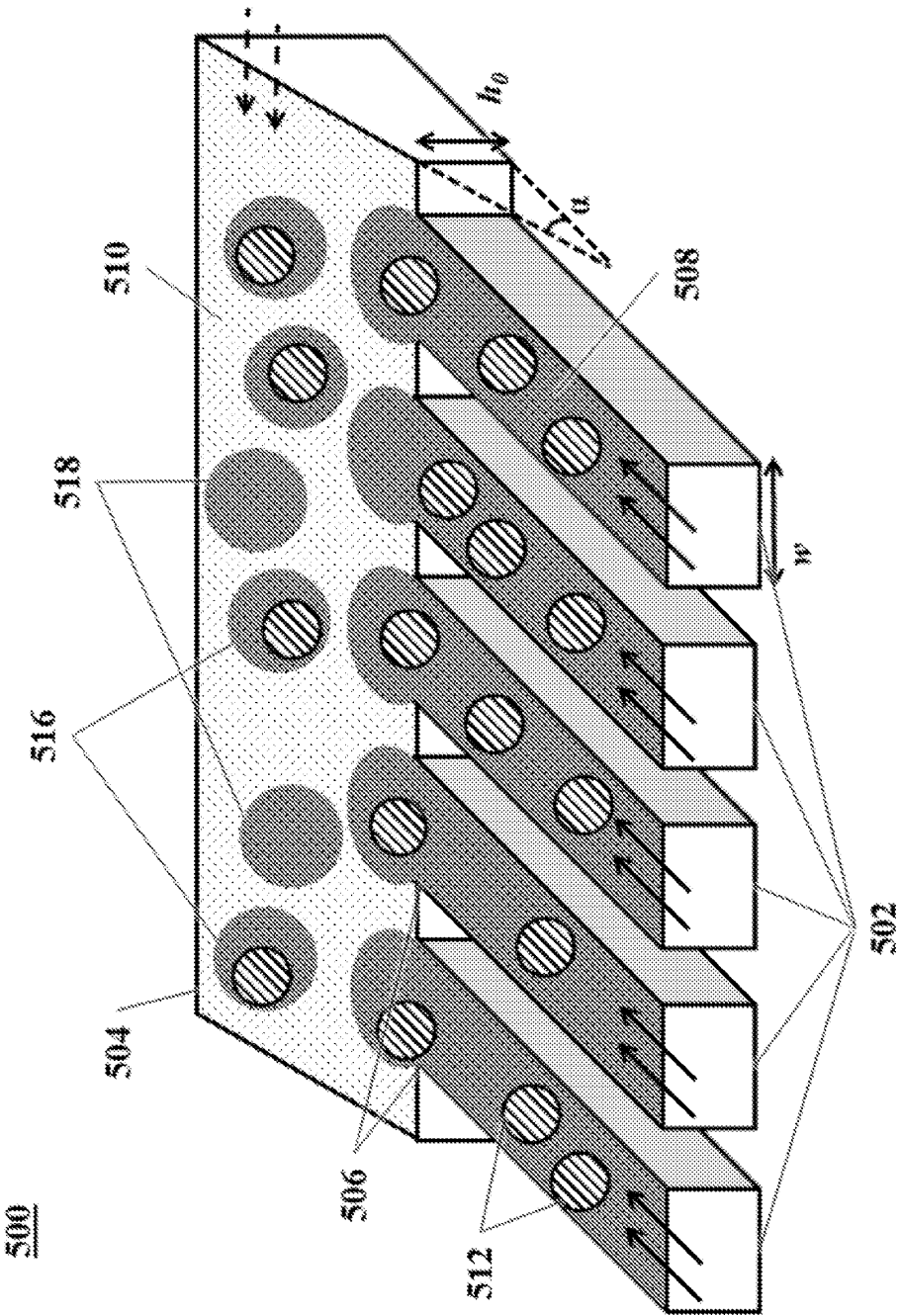


FIG. 5

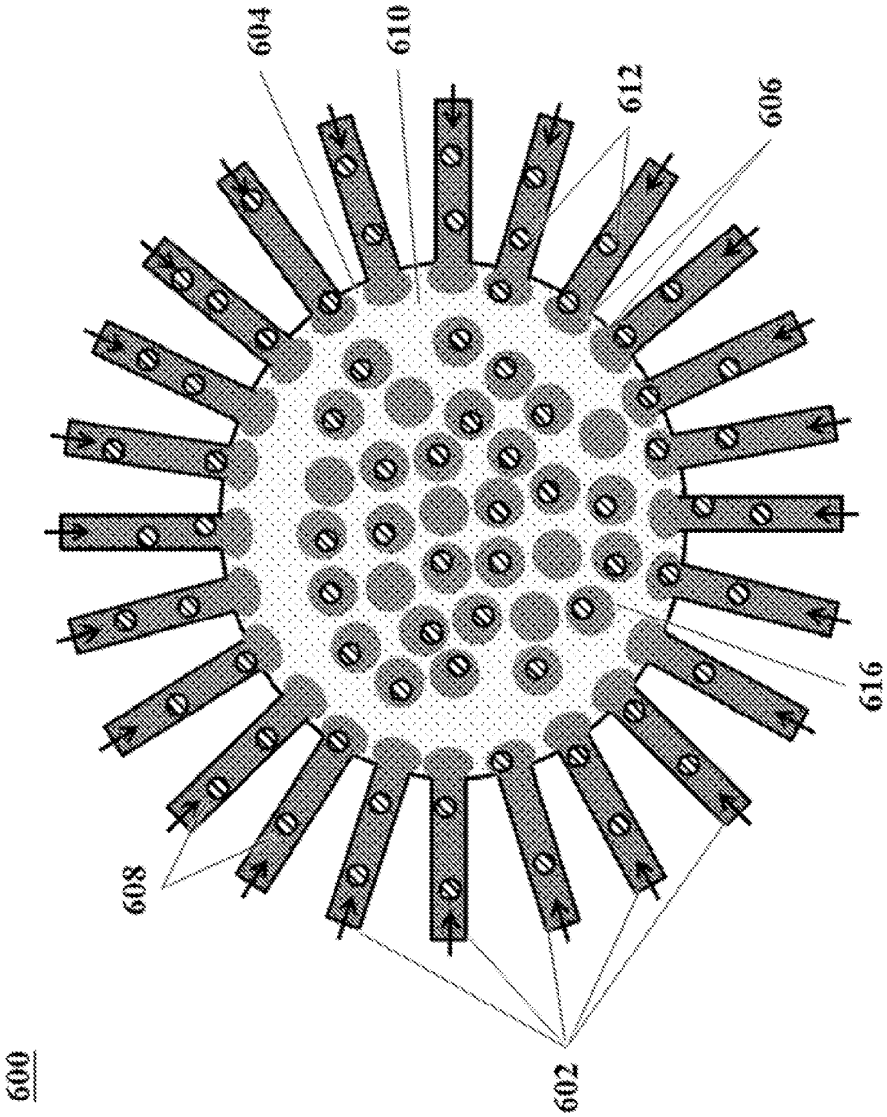


FIG. 6

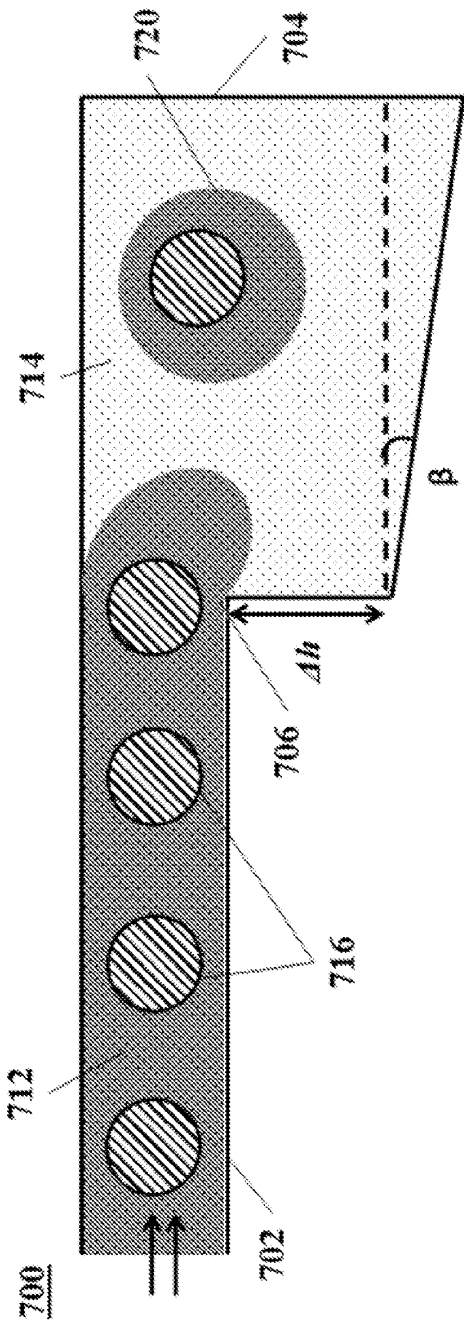


FIG. 7A

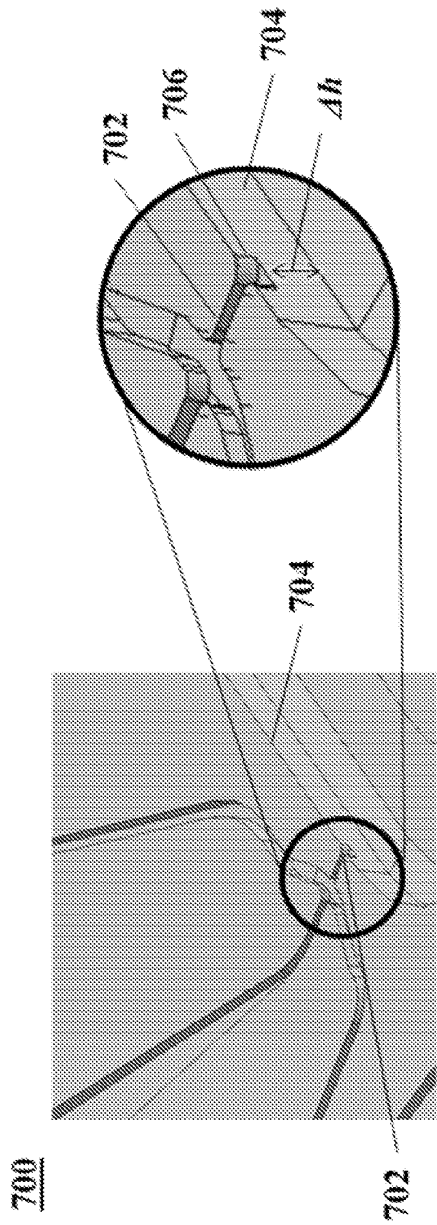


FIG. 7B

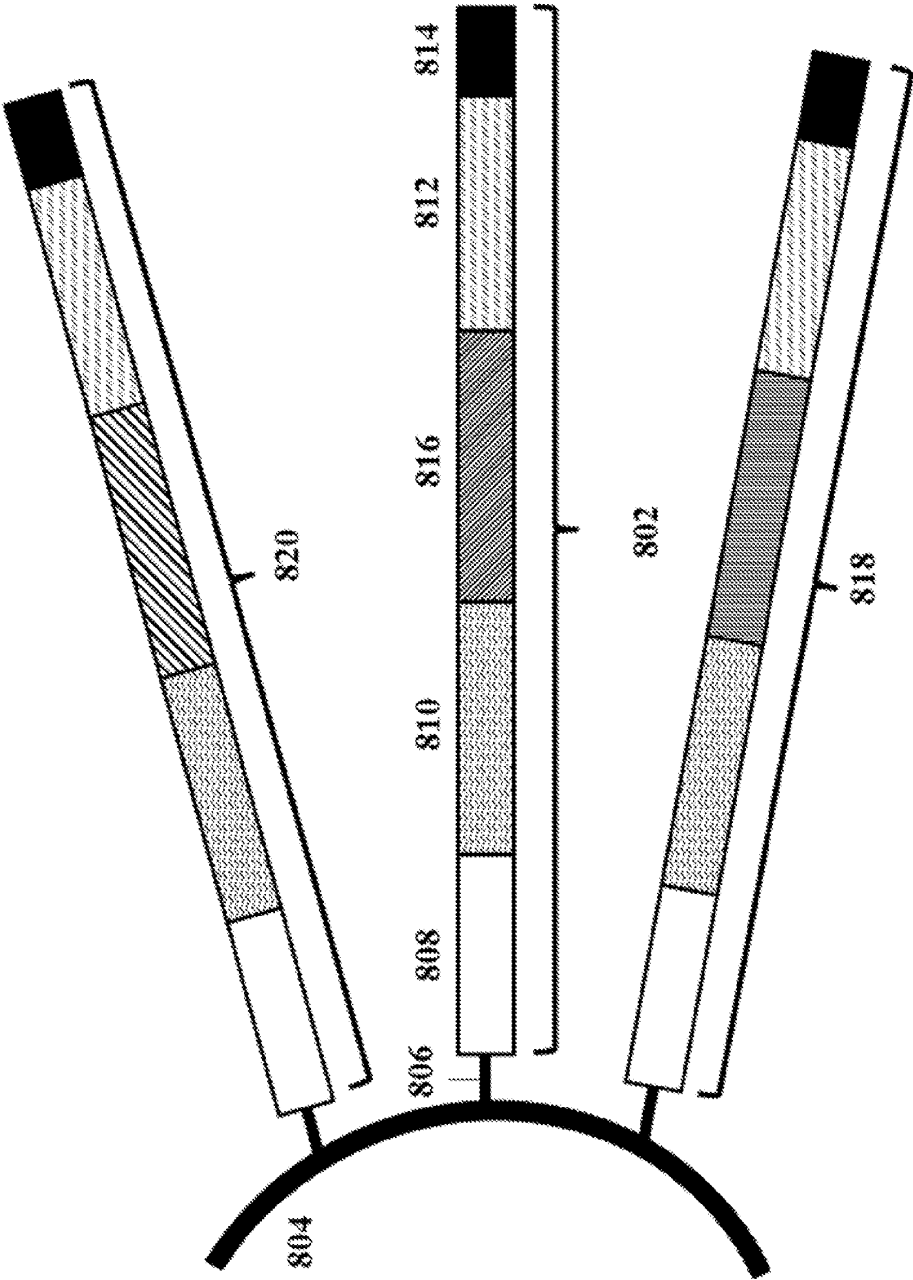
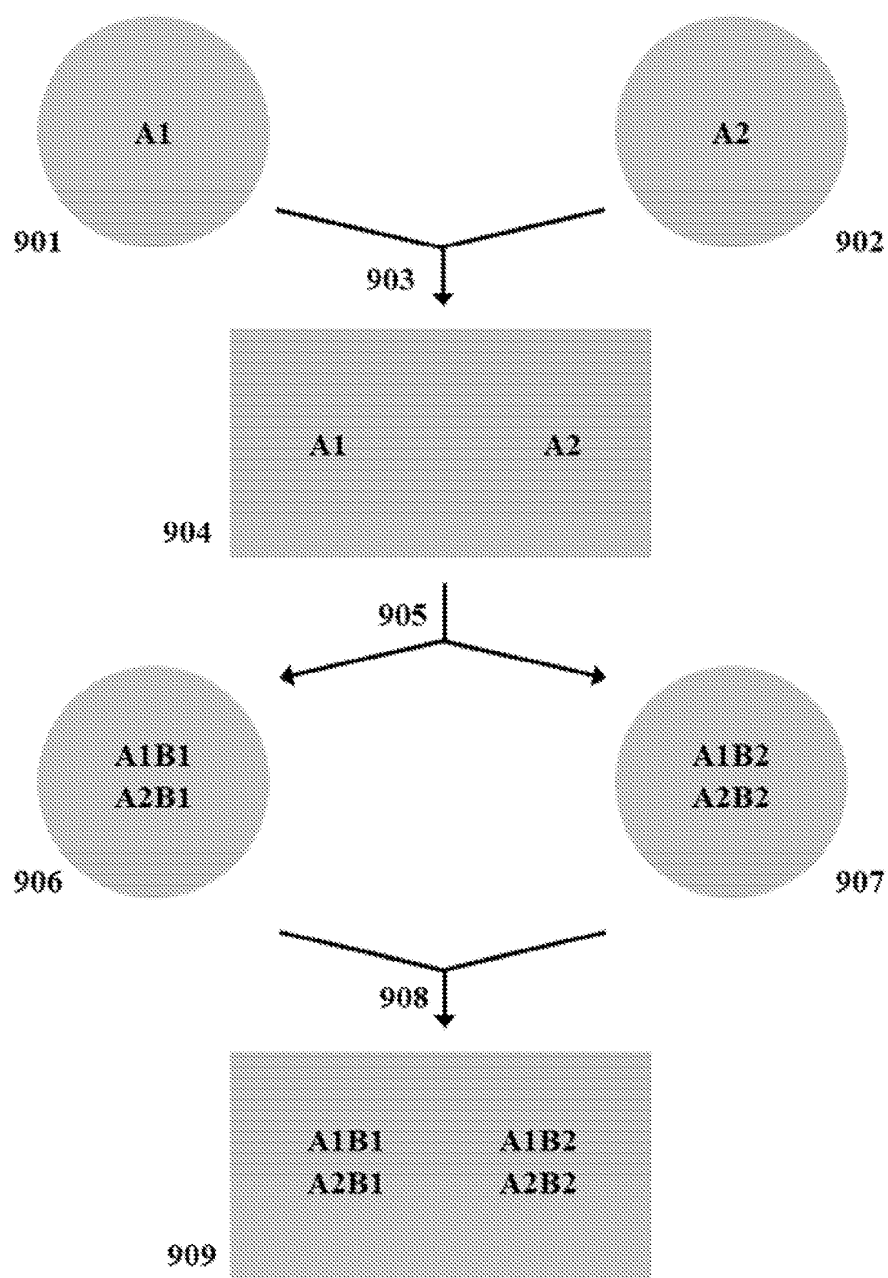
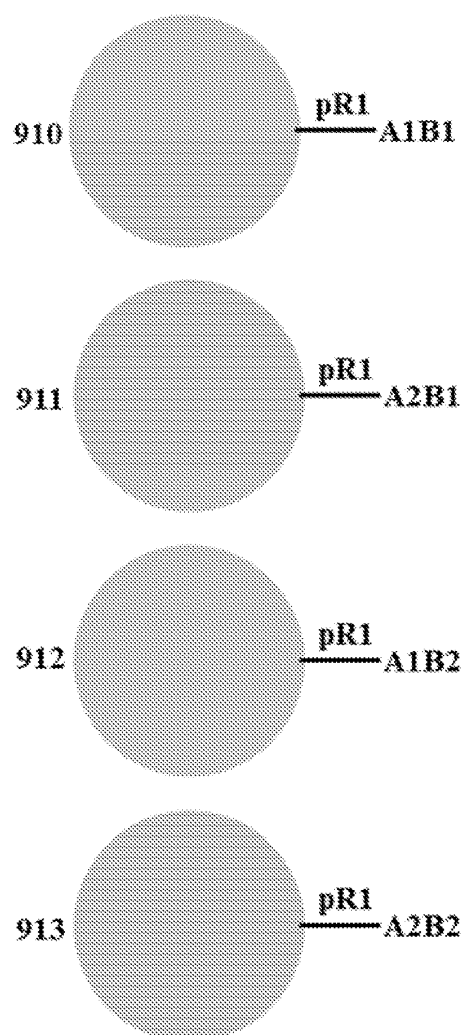


FIG. 8

**FIG. 9A**

***FIG. 9B***

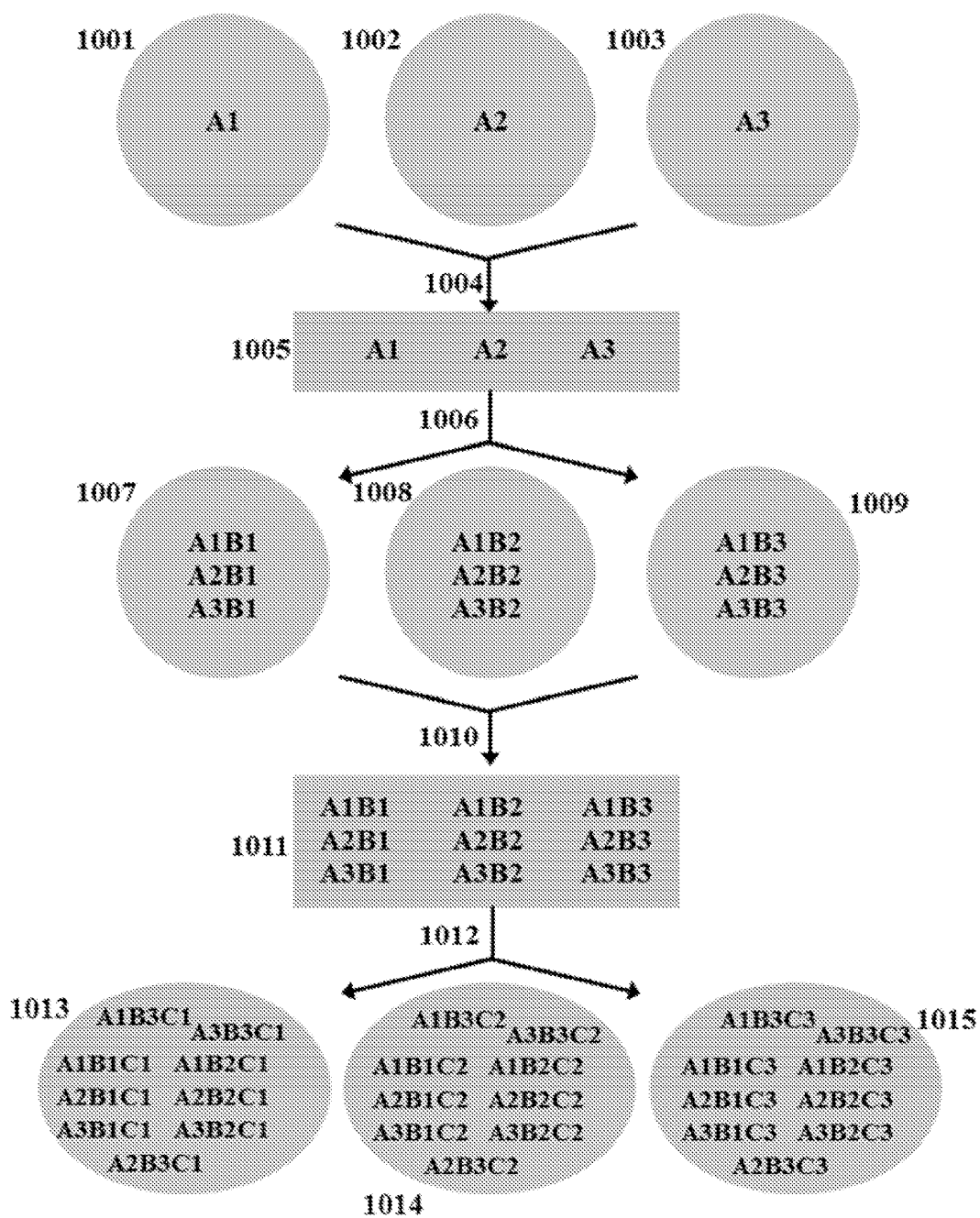
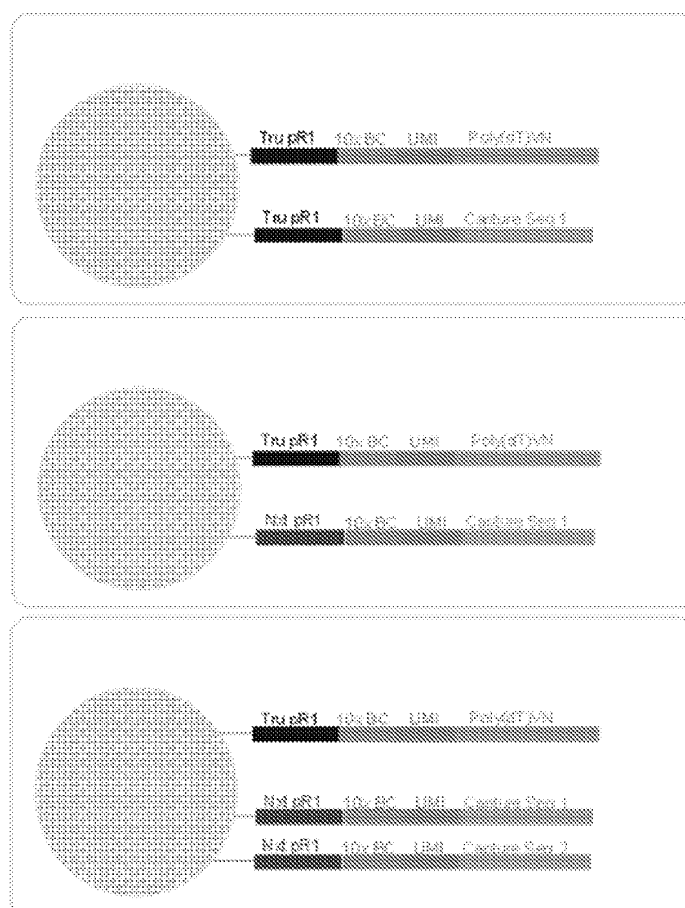


FIG. 10

**FIG. 11**

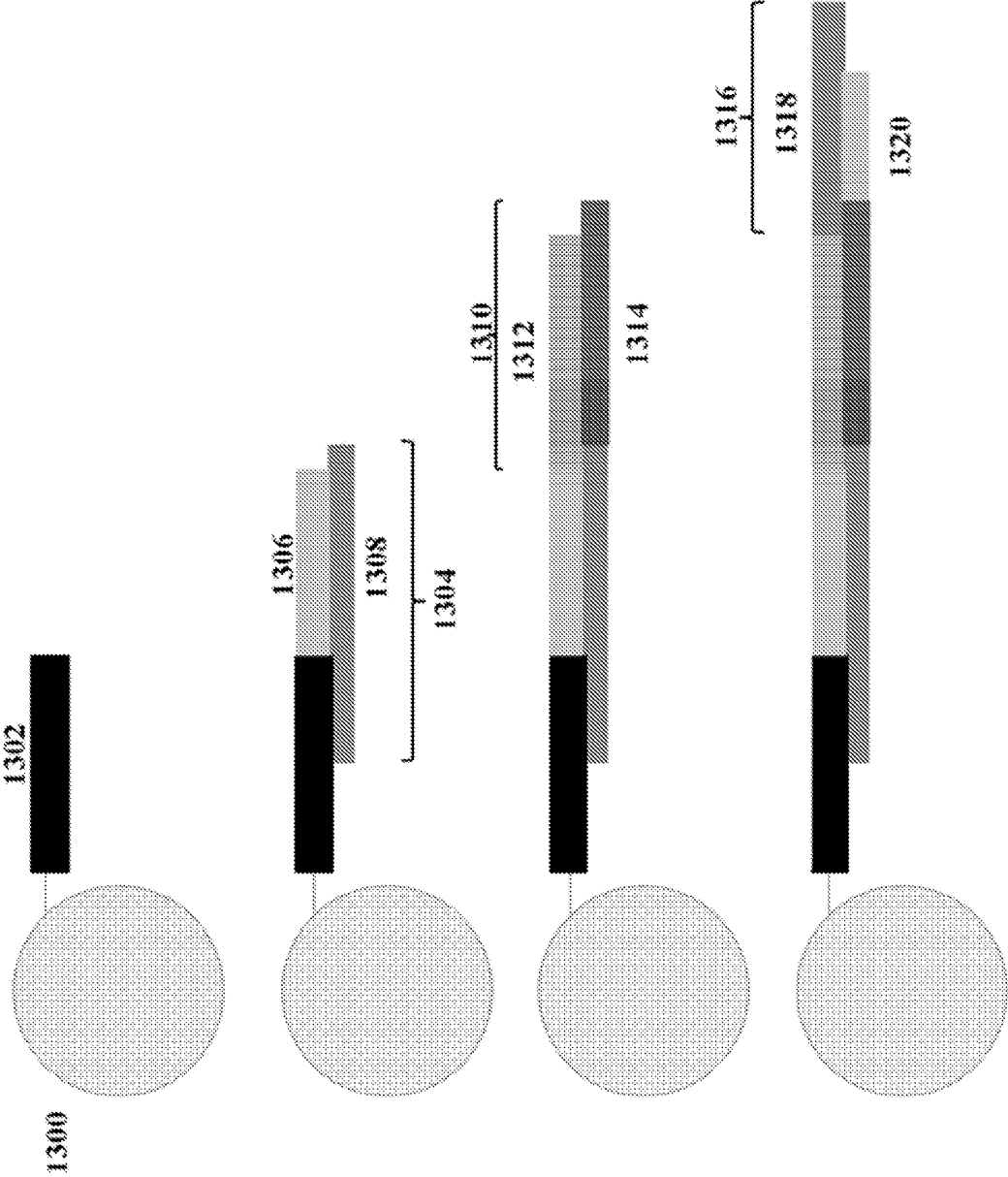


FIG. 13

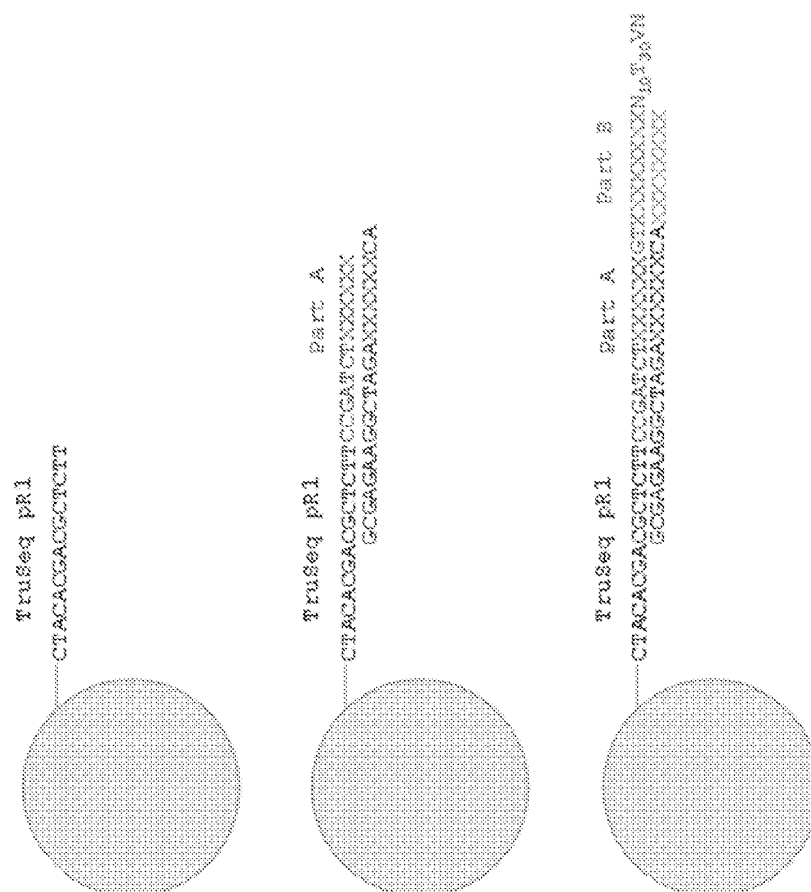


FIG. 14

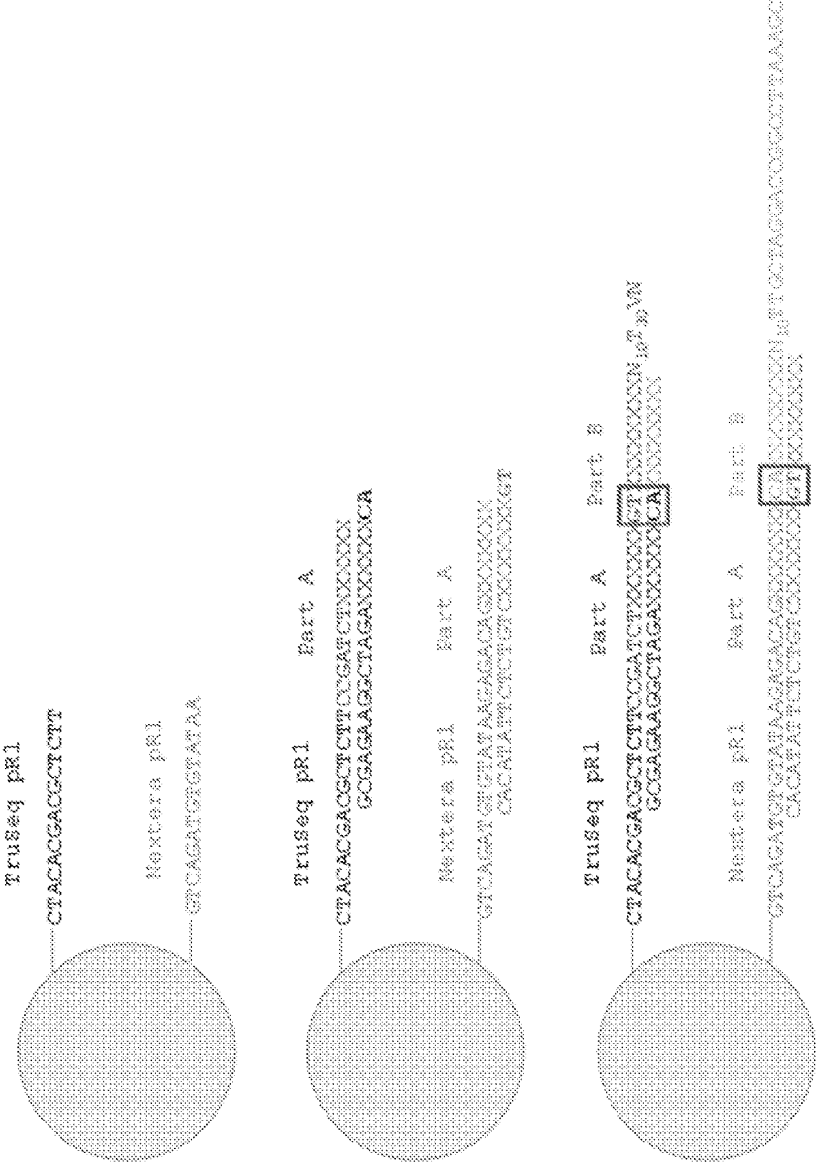


FIG. 16

Part 5 (Alpha OH)

278 (100%)

Part D (The OMI)

Part C (Theta OH), Poly(dT)

Feb 23 2016

[illegible]

FIG. 17

Nxt pr1
Part A
Part S (Beta OH)
Part B (Beta OH)
Part D (Eta OH)
Part C (Eta OH), Capture Sequence
Part T

FIG. 18

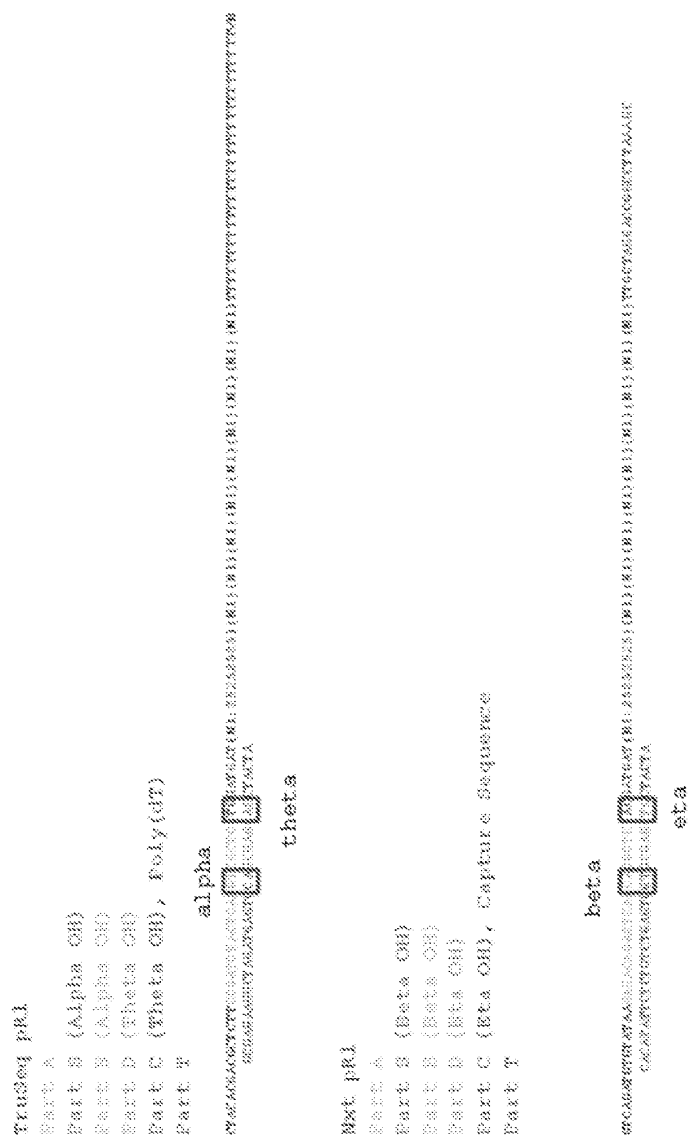


FIG. 19

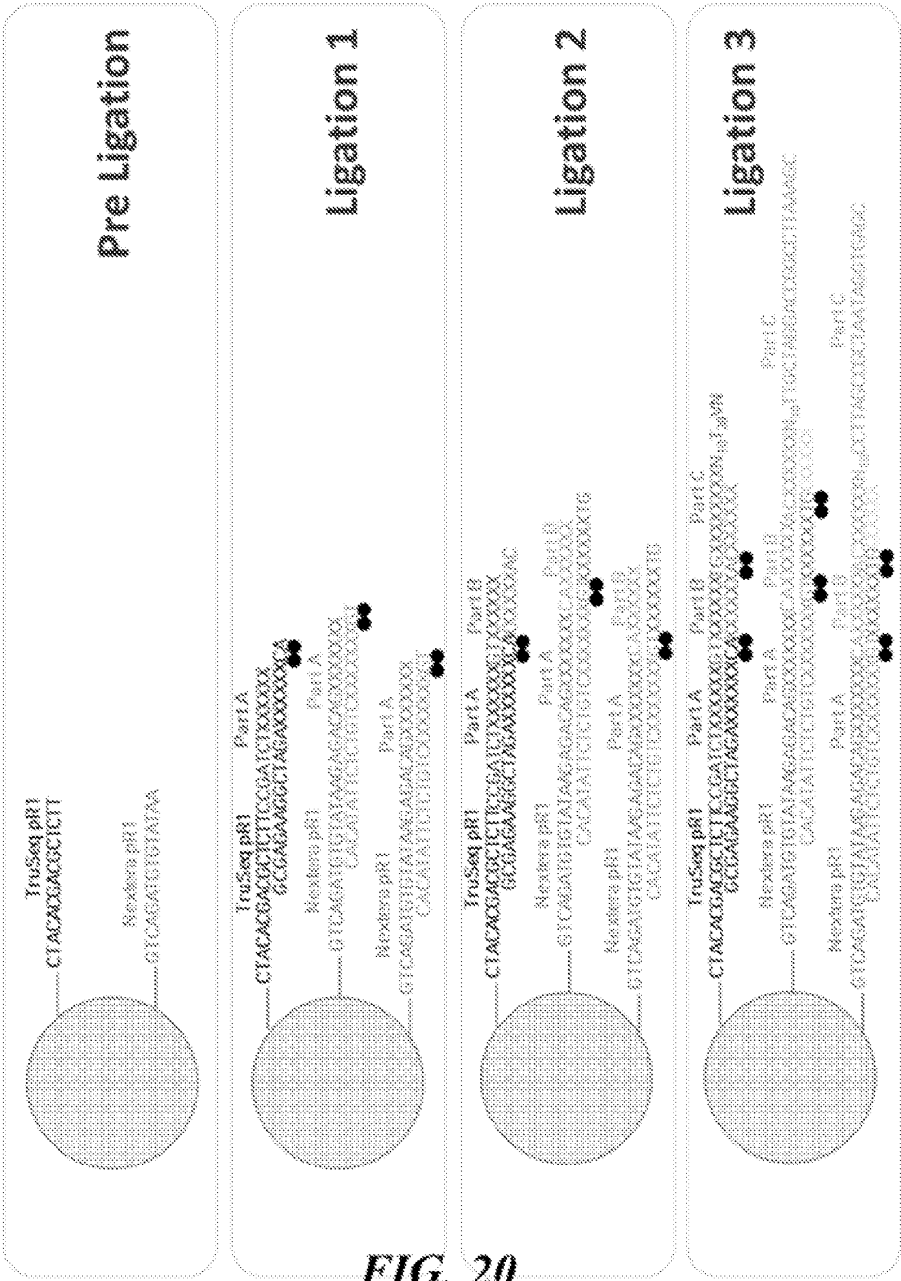


FIG. 20



FIG. 21

$$\begin{aligned} & \left[\begin{array}{l} \text{Alpha/theta:} \\ \text{Part A/S:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part B/D:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part C/T:} \\ 96 \end{array} \right] = 884,736 \\ & + \\ & \left[\begin{array}{l} \text{Beta/eta:} \\ \text{Part A/S:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part B/D:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part C/T:} \\ 96 \end{array} \right] = 884,736 \\ & + \\ & \left[\begin{array}{l} \text{Delta/zeta:} \\ \text{Part A/S:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part B/D:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part C/T:} \\ 96 \end{array} \right] = 884,736 \\ & + \\ & \left[\begin{array}{l} \text{Gamma/epsilon:} \\ \text{Part A/S:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part B/D:} \\ 96 \end{array} \right] \times \left[\begin{array}{l} \text{Part C/T:} \\ 96 \end{array} \right] = 884,736 \\ & \left[\begin{array}{l} = 3,538,944 \end{array} \right] \end{aligned}$$

FIG. 22

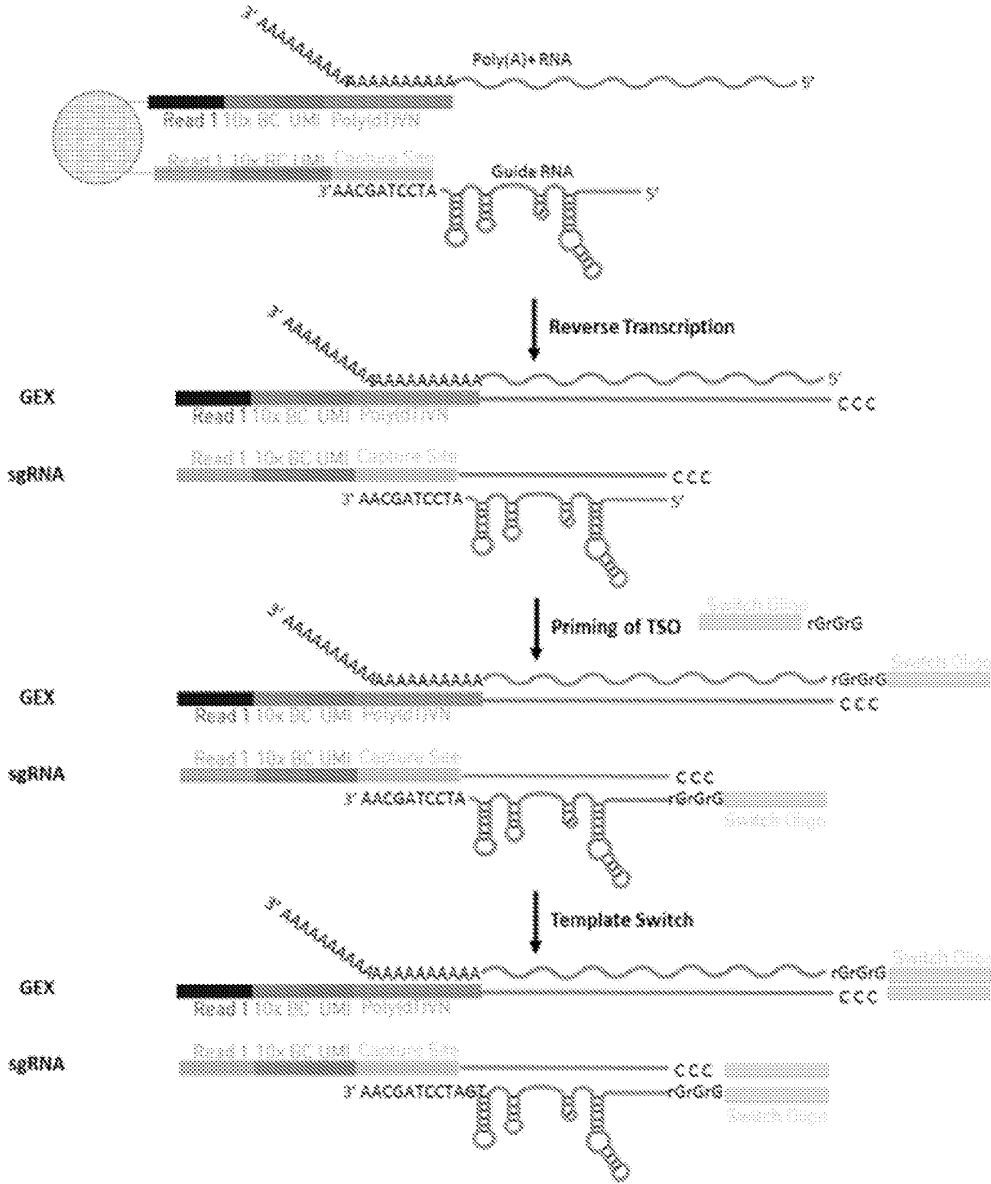


FIG. 23

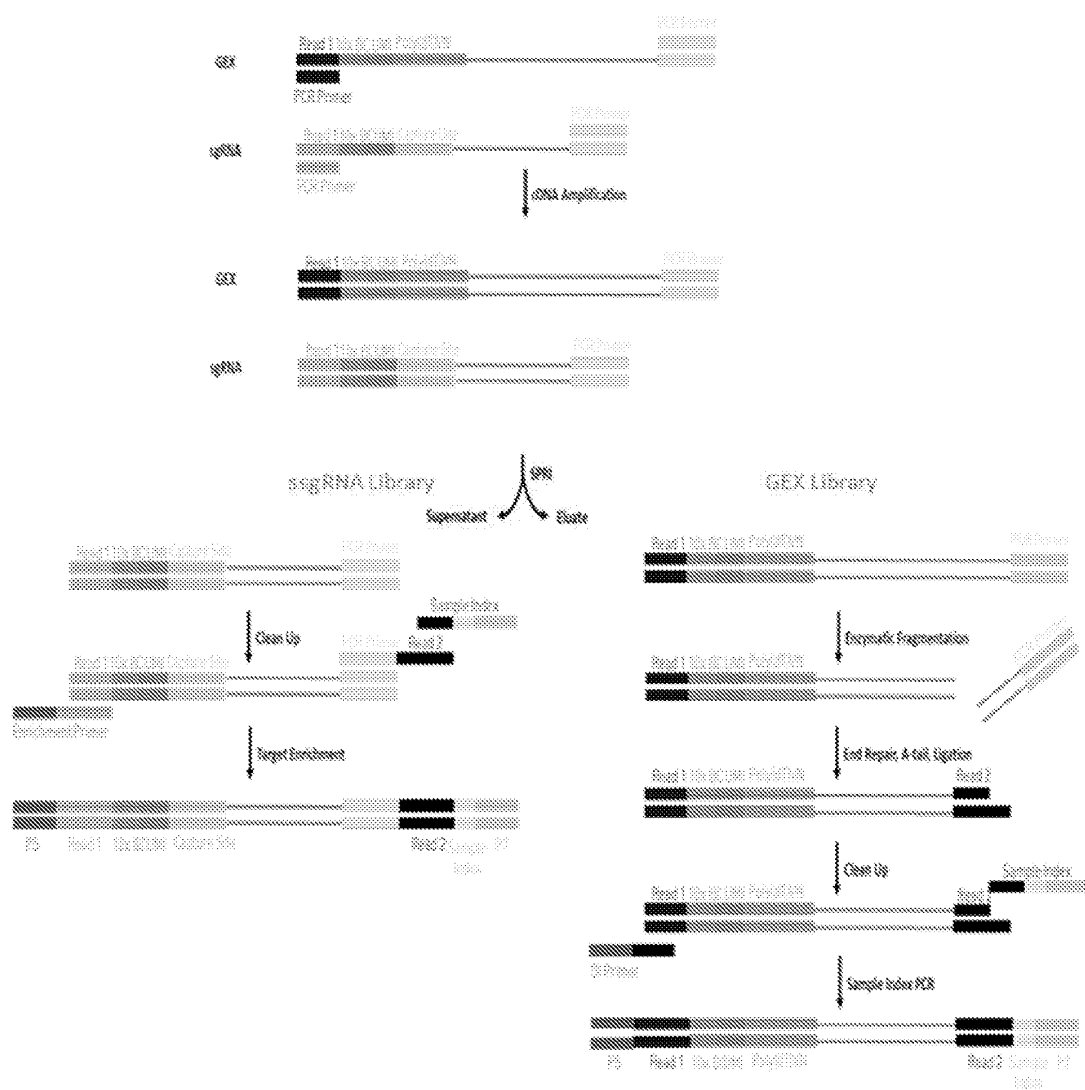
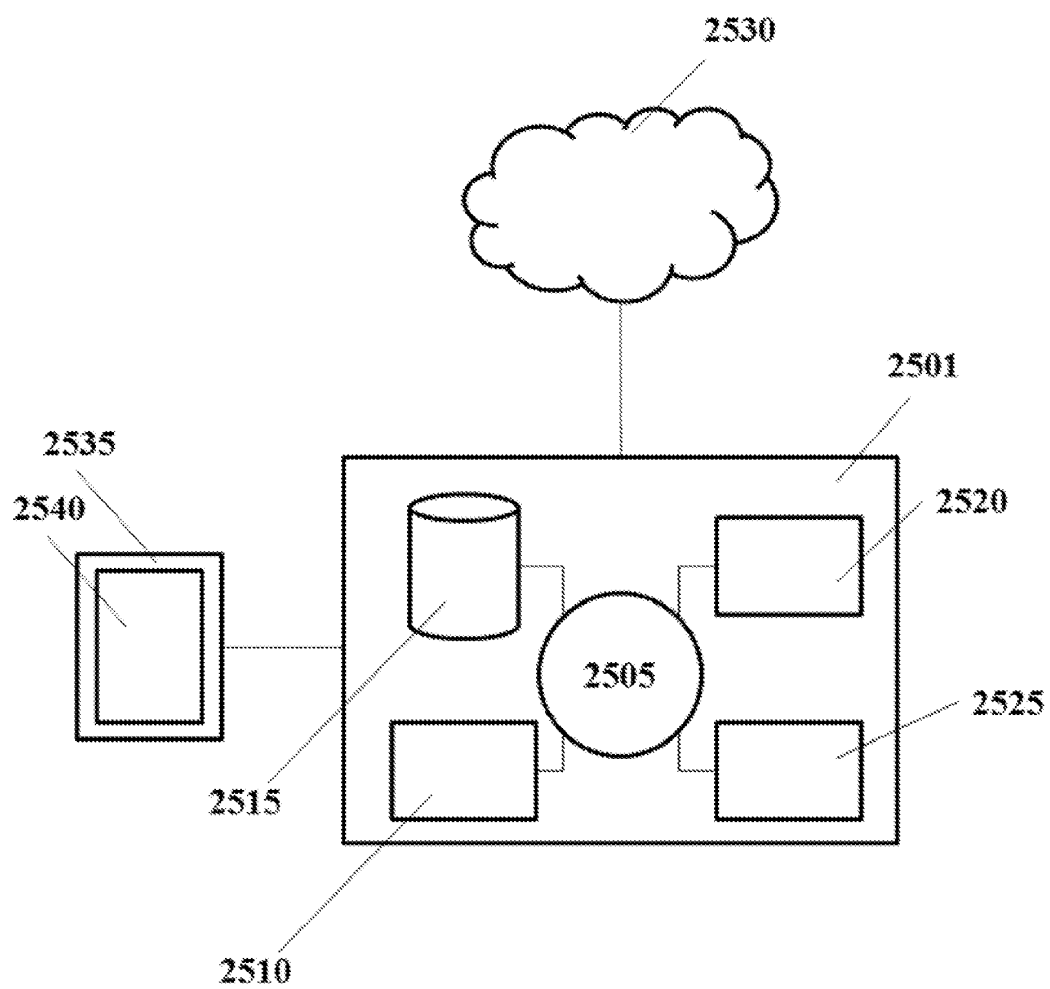


FIG. 24

**FIG. 25**

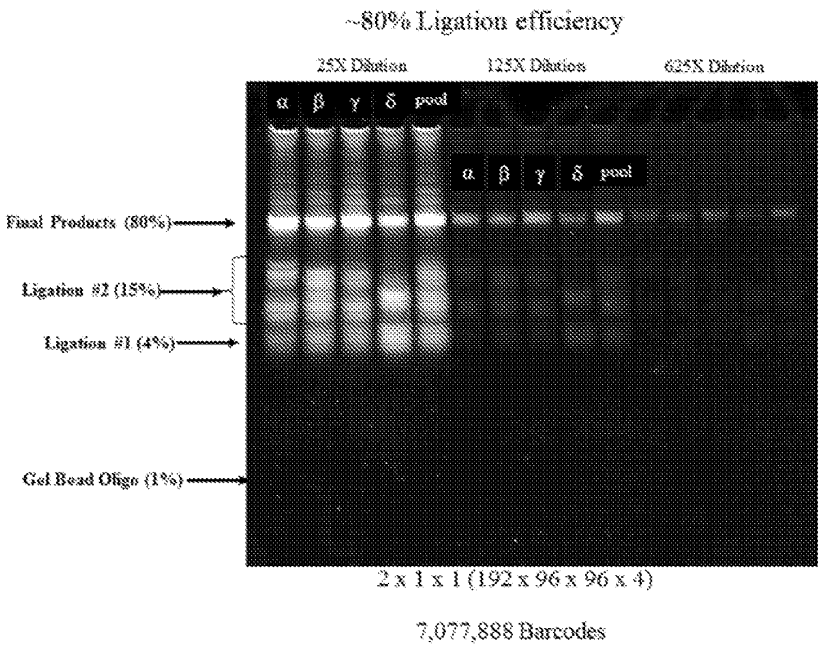


FIG. 26

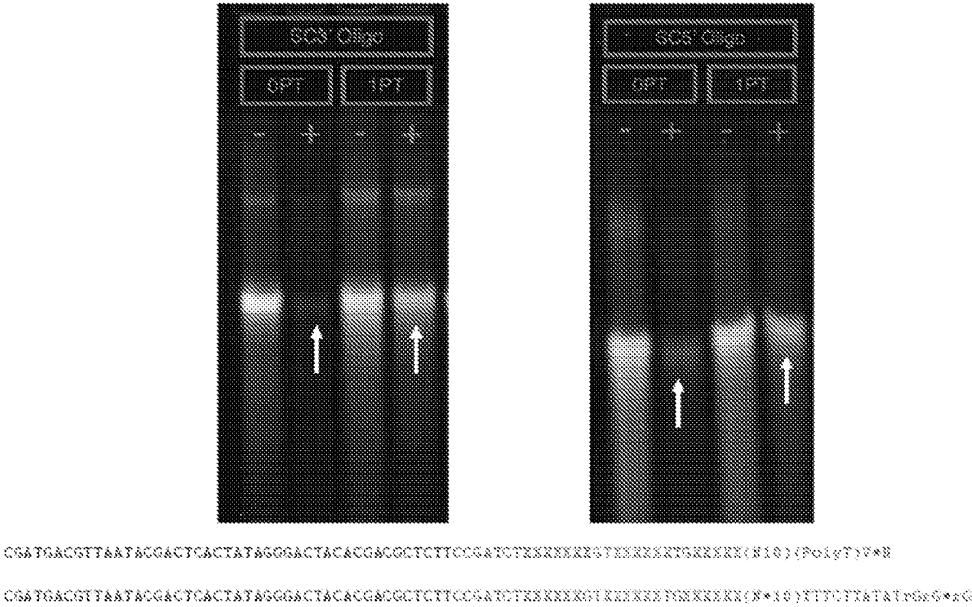
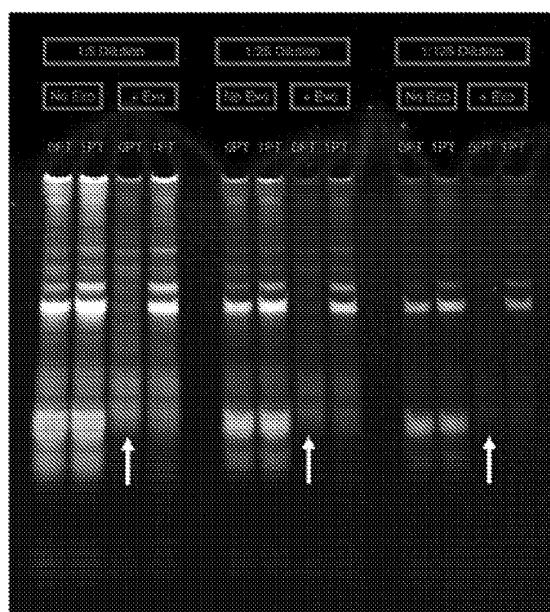


FIG. 27



CGATGACCTTAATACGACTCACTATAGGGACTACACGACGCTCTTCGATCTKXXXXXXXXGTXXXXXTGXXXXX(N10)(PolyT)V*N
 CGATGACCTTAATACGACTCACTATAGGGACTACACGACGCTCTTCGATCTKXXXXXXXXGTXXXXXTGXXXXX(N*10)TTTCTTATATGGG*G

FIG. 28

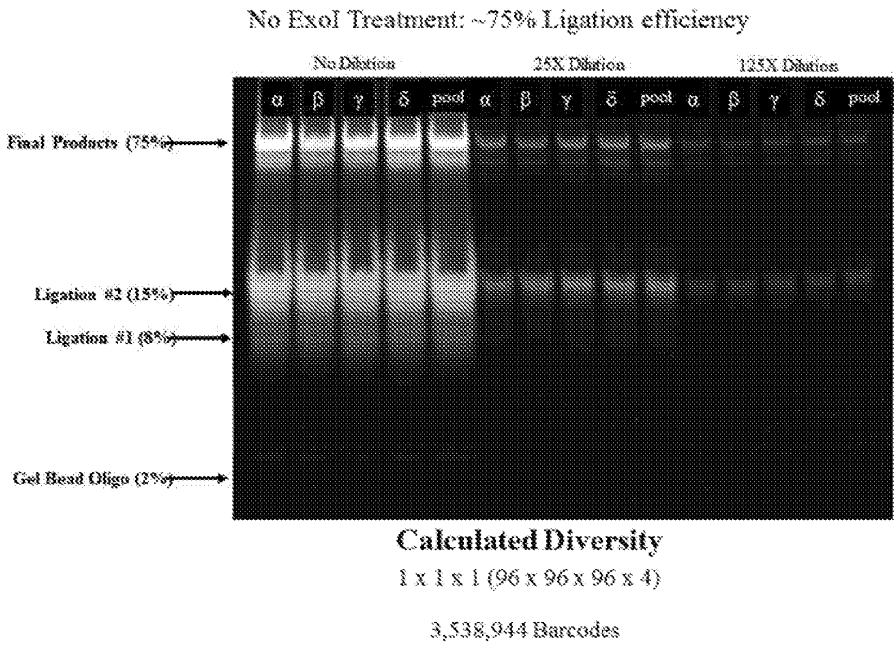


FIG. 29A

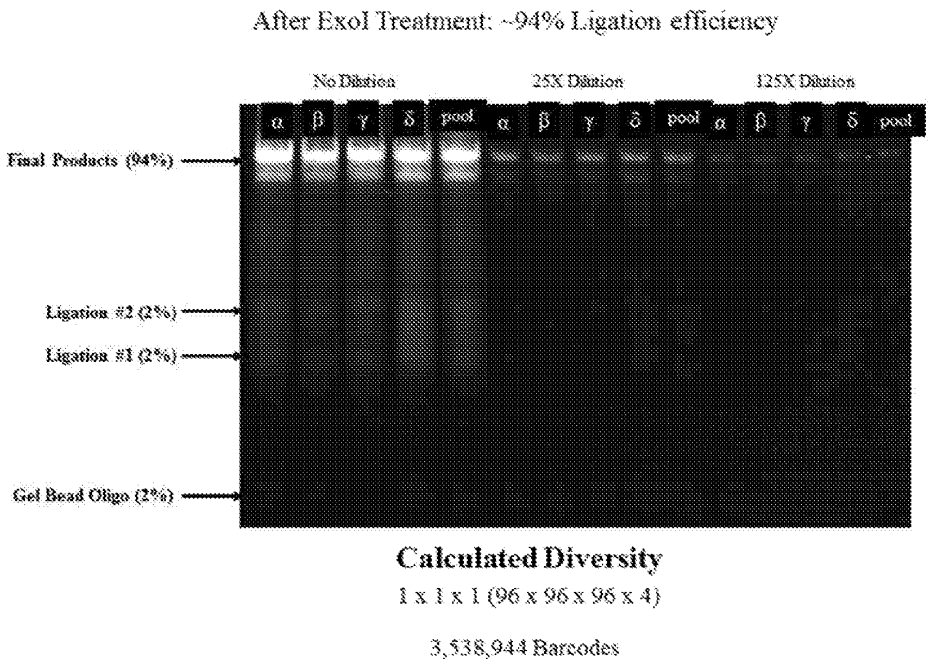


FIG. 29B

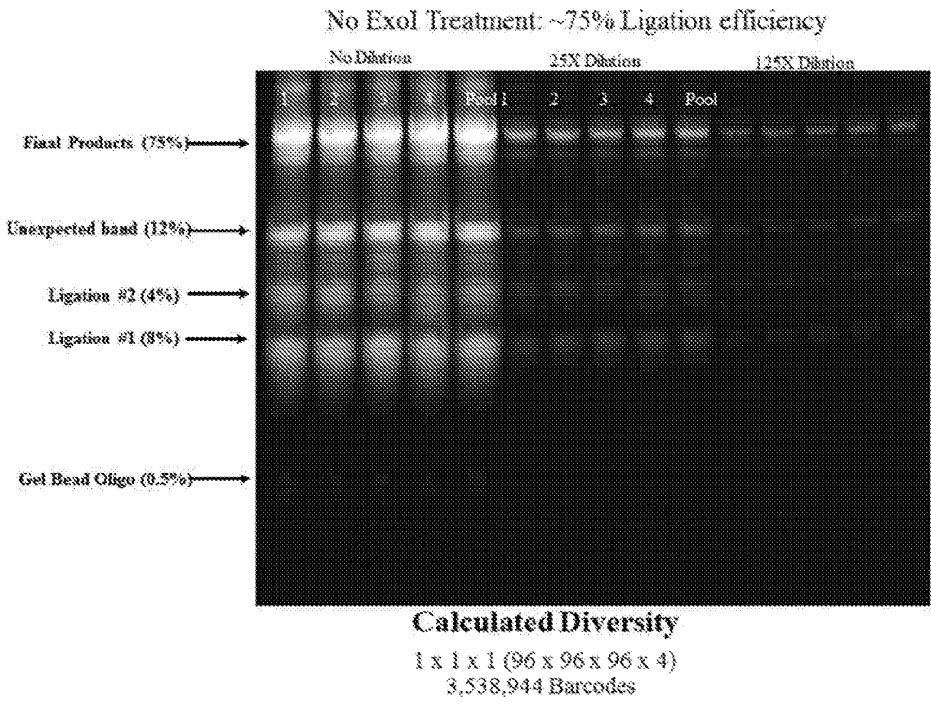
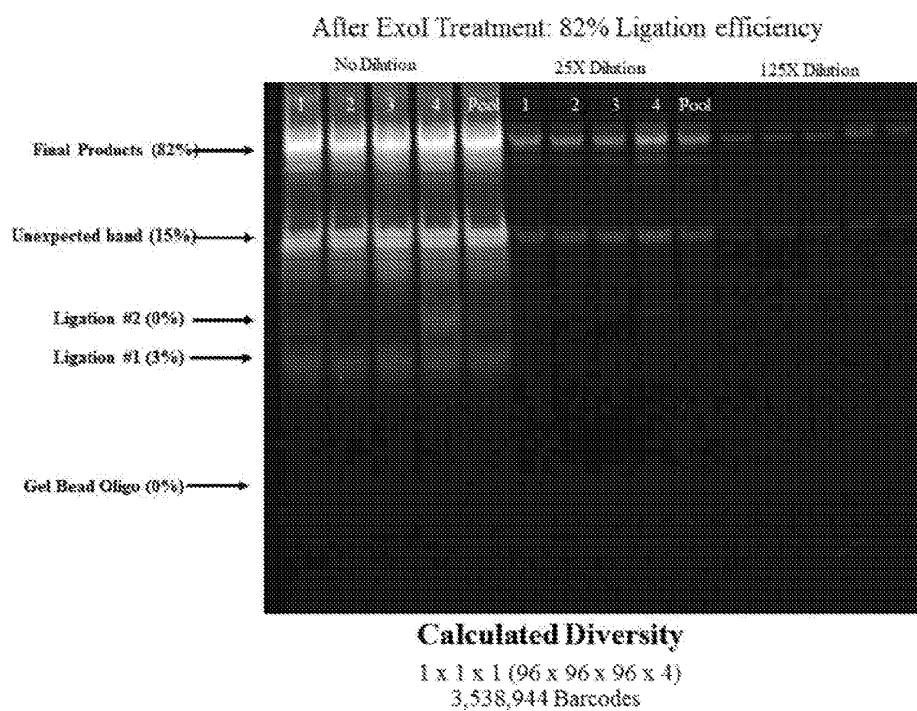


FIG. 30A

*FIG. 30B*

[illegible][illegible]
$$\begin{aligned} 01 &\rightarrow 10 \\ 01+0 &\rightarrow 20 \\ 01+0+0 &\rightarrow 30 \\ 01+0+0+0 &\rightarrow 00 \quad 00 \quad 10 \end{aligned}$$

$\frac{1}{2}$ $\frac{1}{3}$
 $\frac{1}{4}$ $\frac{1}{5}$

Current May - 2016

Correspondence: 0000

NEXT R1	MemoA	MemoB	TruSeqA - 68b
NEXT S	MemoC	TruSeqA	TruSeq R1
TruSeq R1	TruSeqA	TruSeqB	NEXT S - 68b
TruSeq S	TruSeqC	MemoA	NEXT R1

FIG. 31

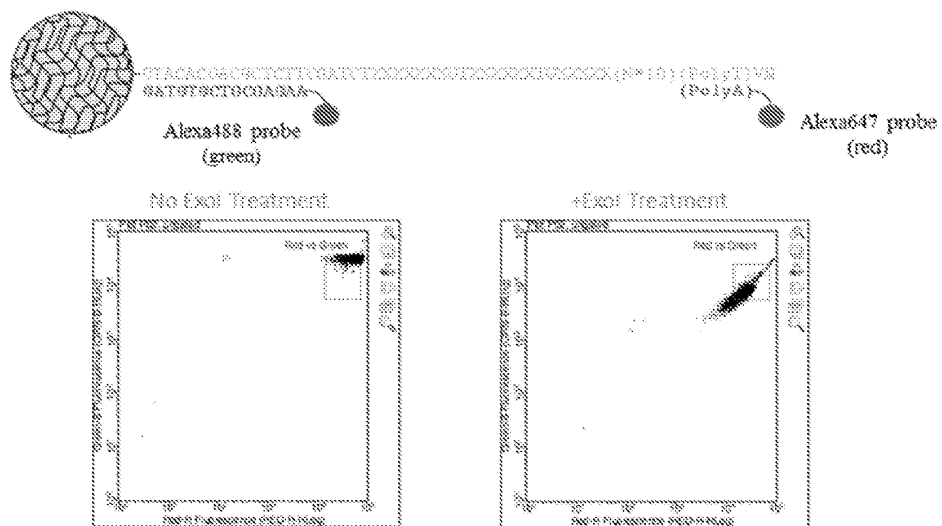


FIG. 32



FIG. 33A

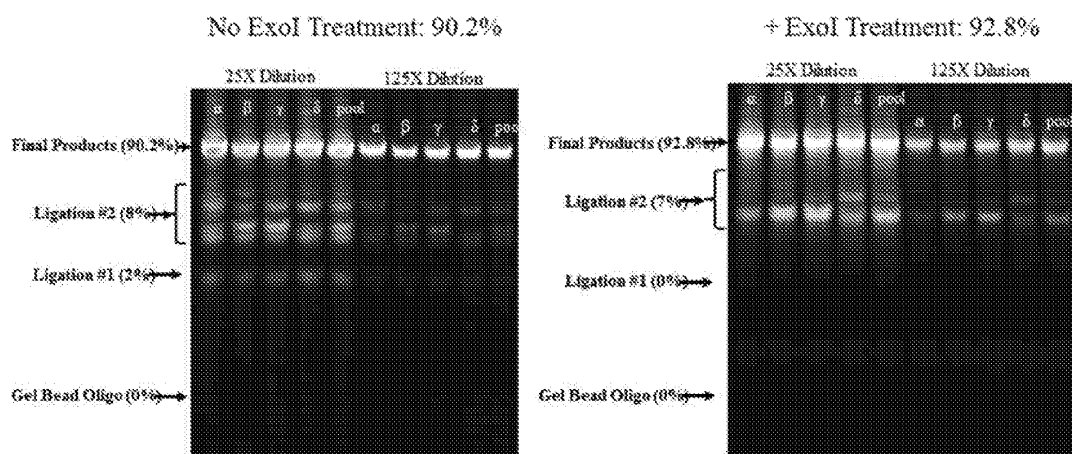
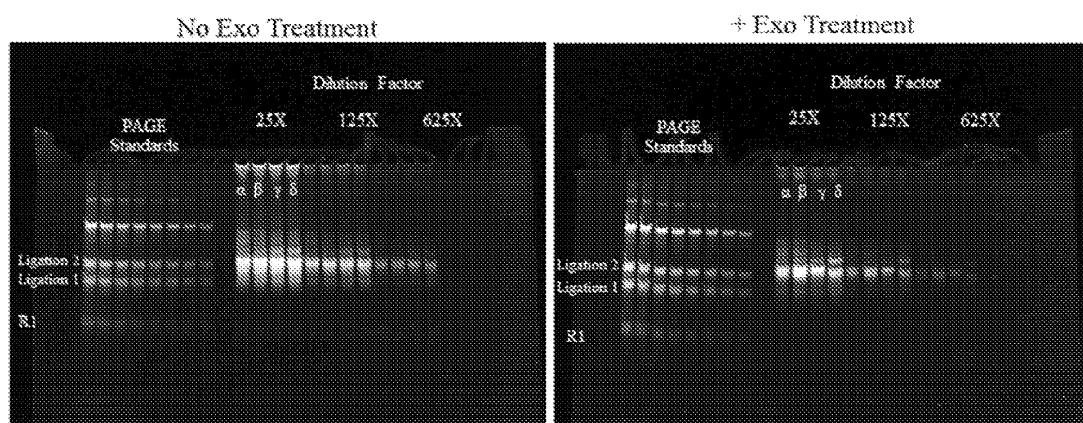


FIG. 33B

*FIG. 33C*

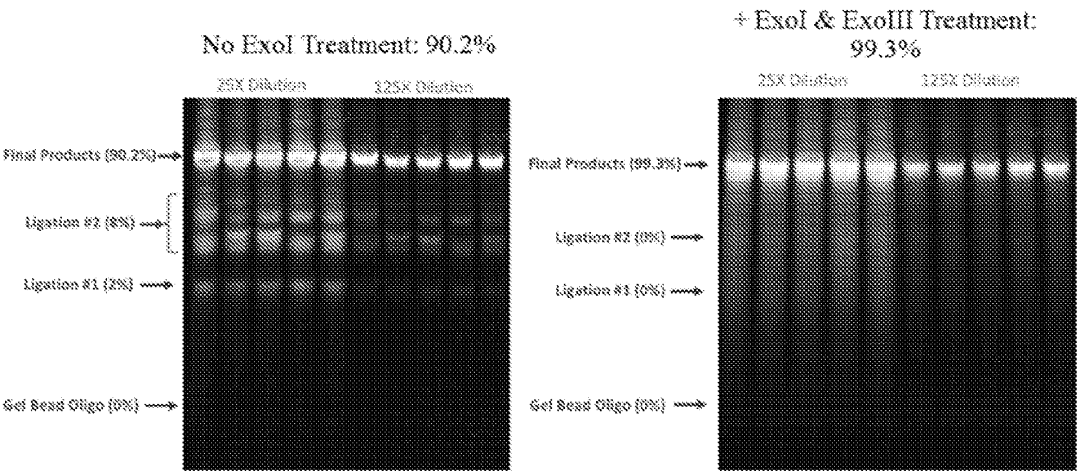


FIG. 34

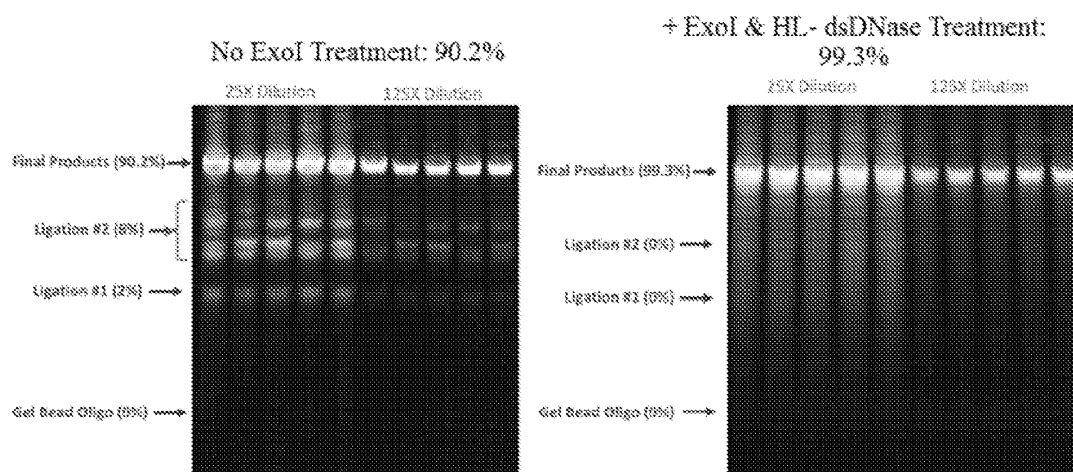


FIG. 35

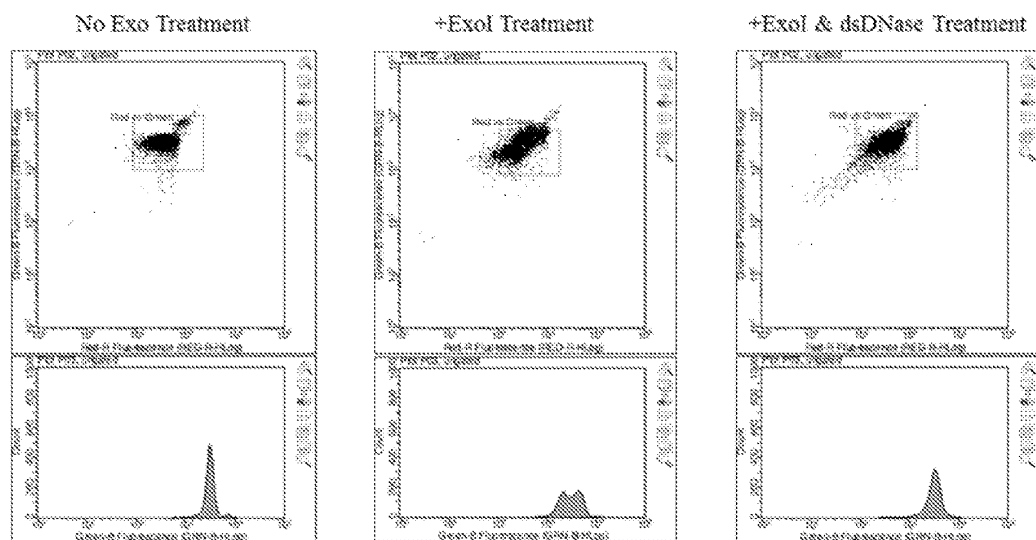


FIG. 36