

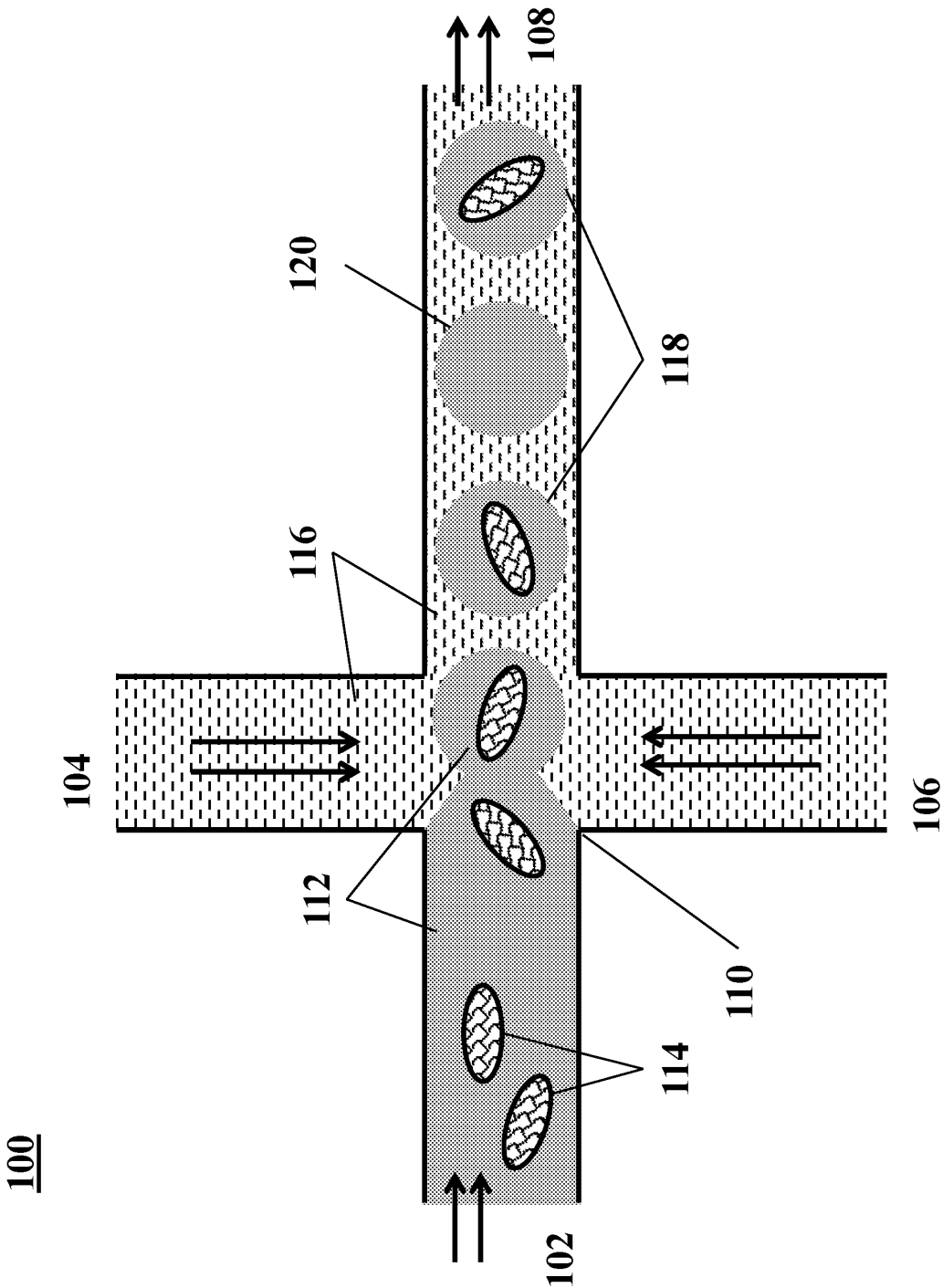


FIG. 1

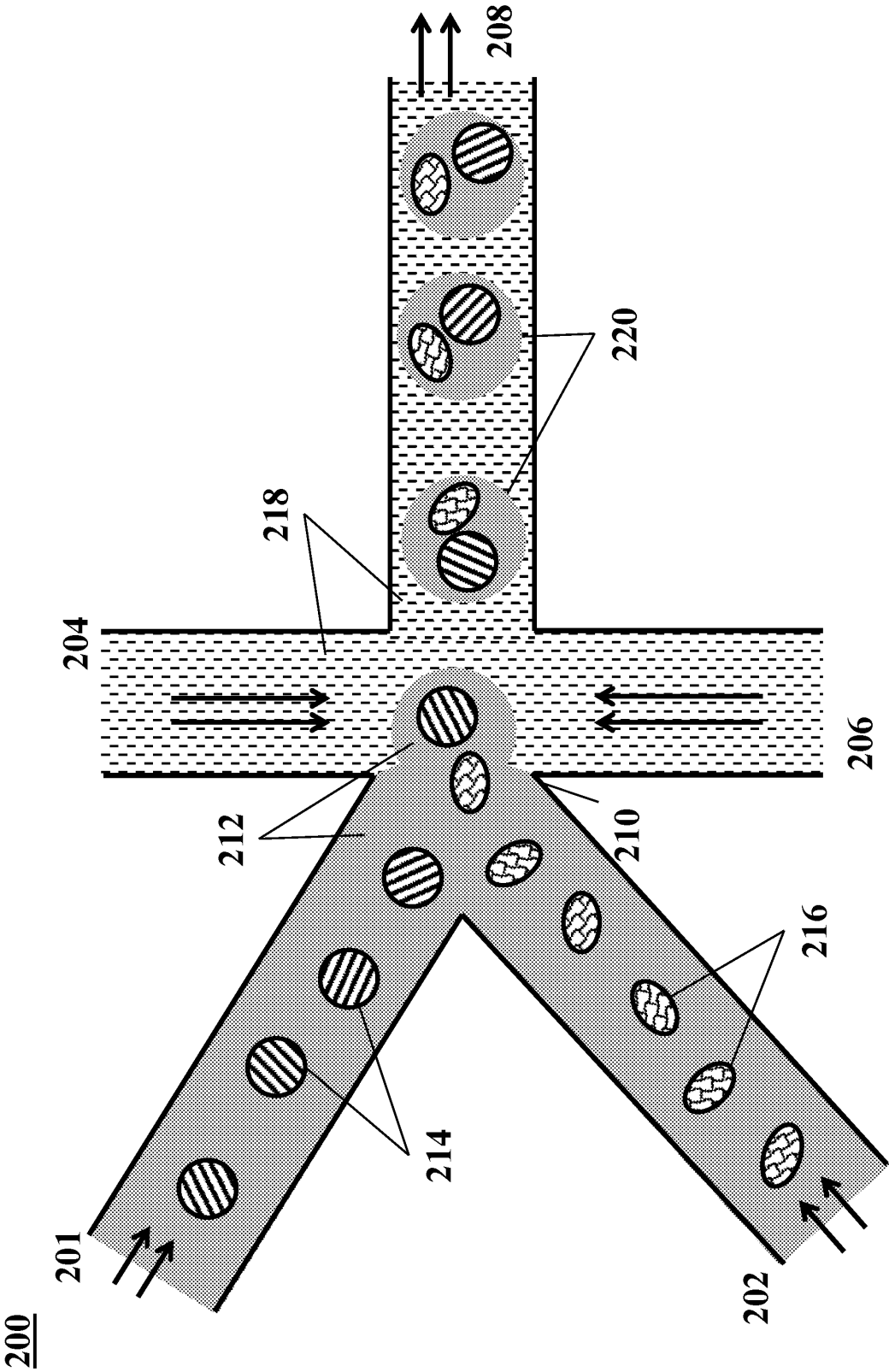
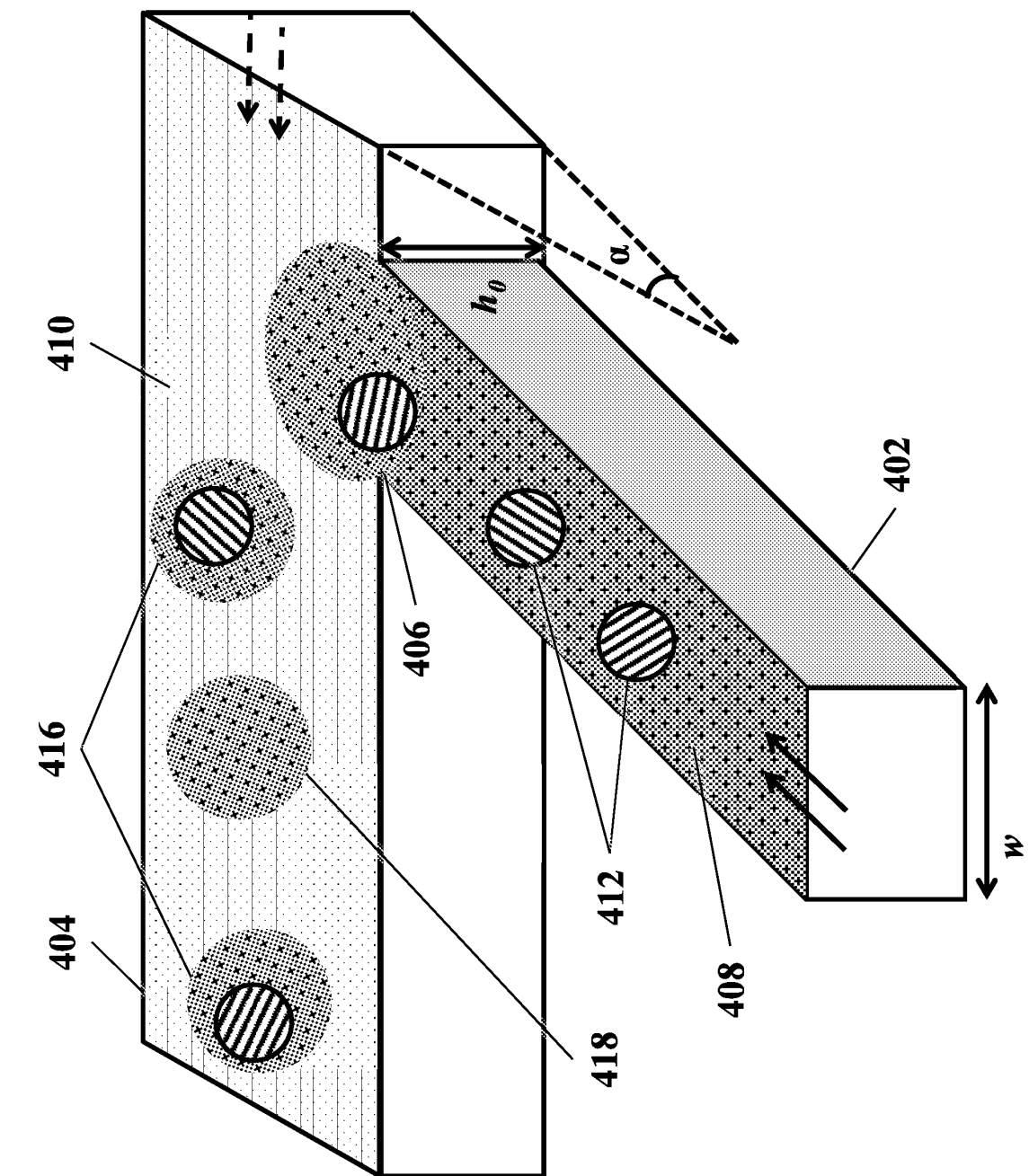


FIG. 2

FIG. 3



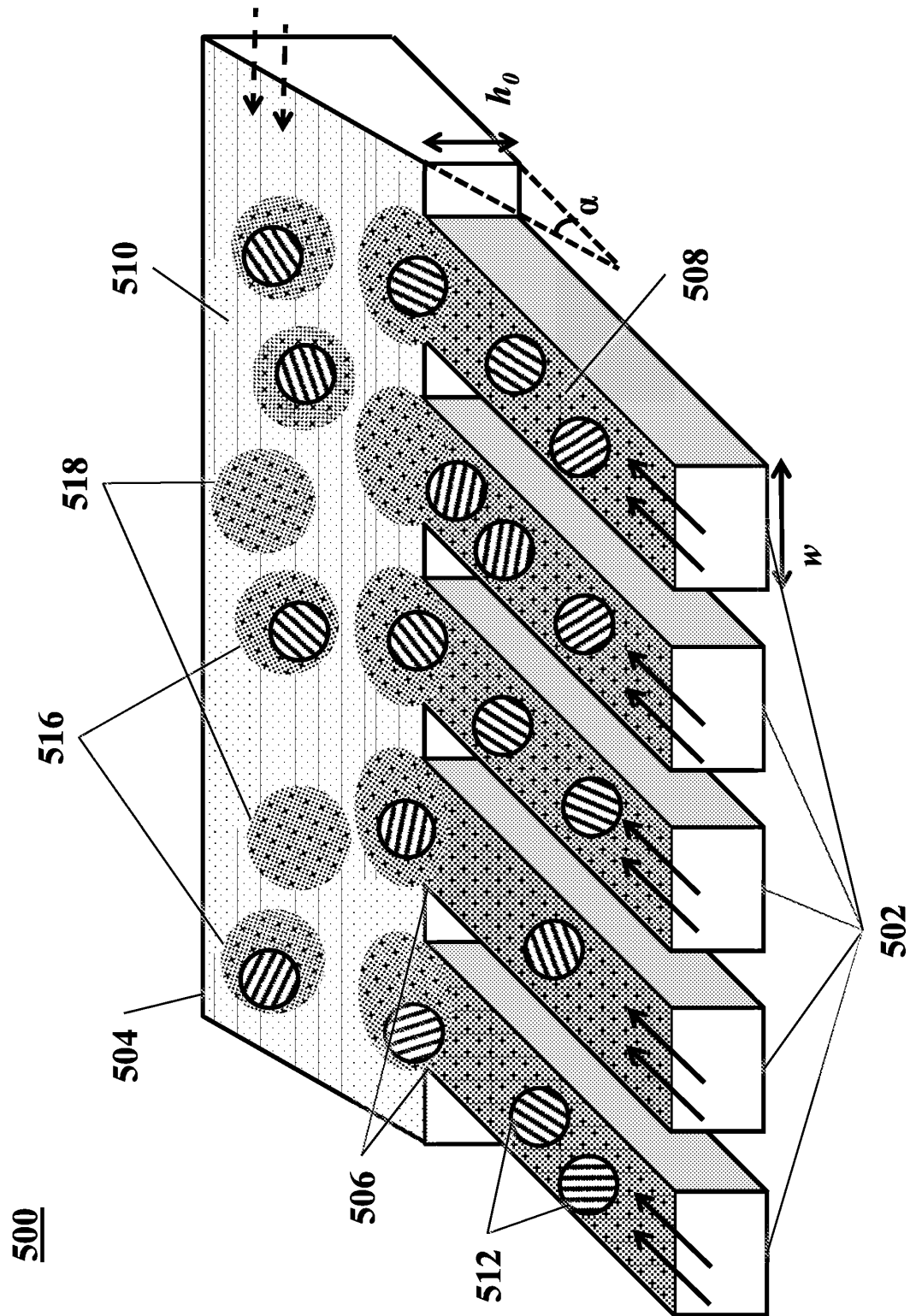
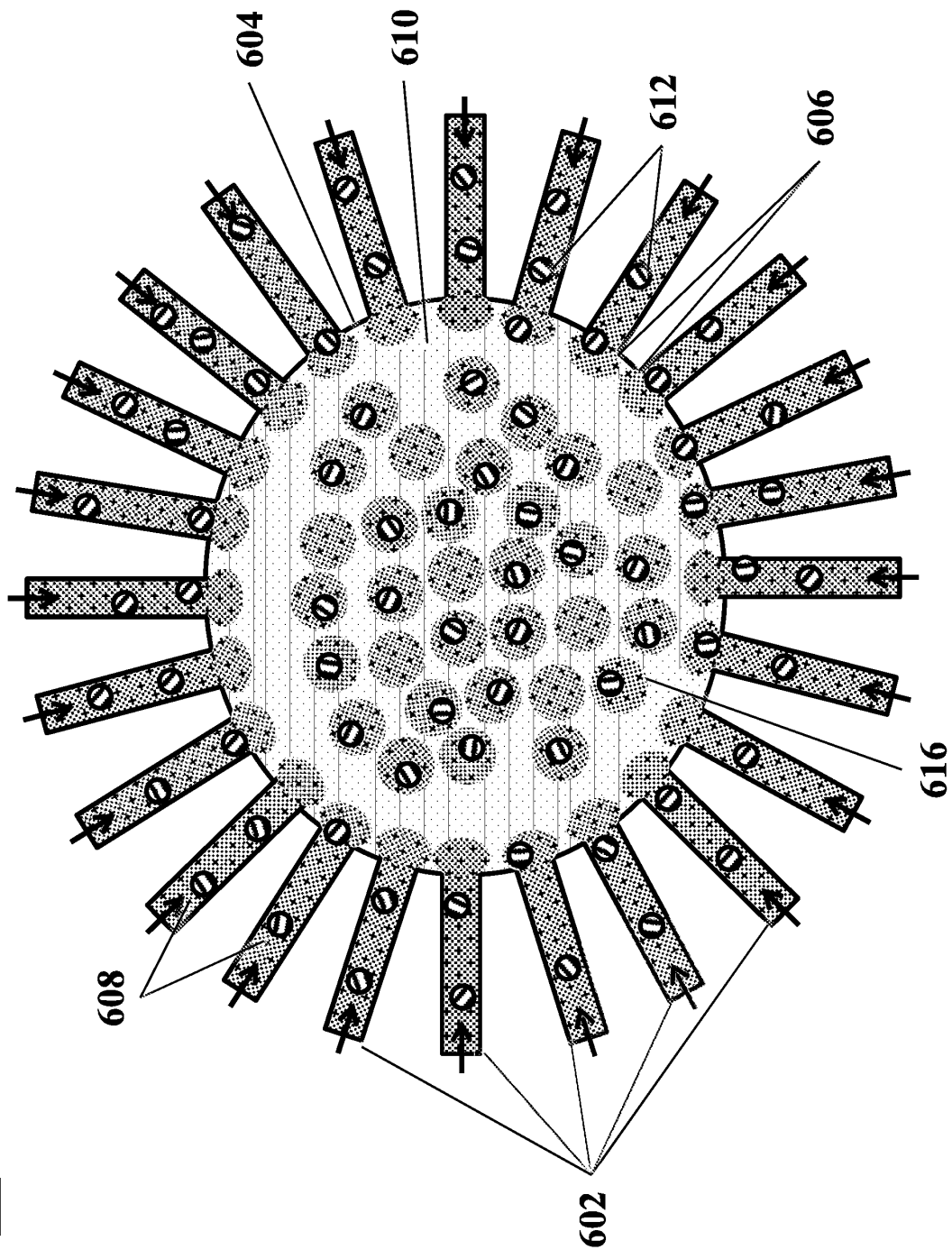


FIG. 5

600*FIG. 6*

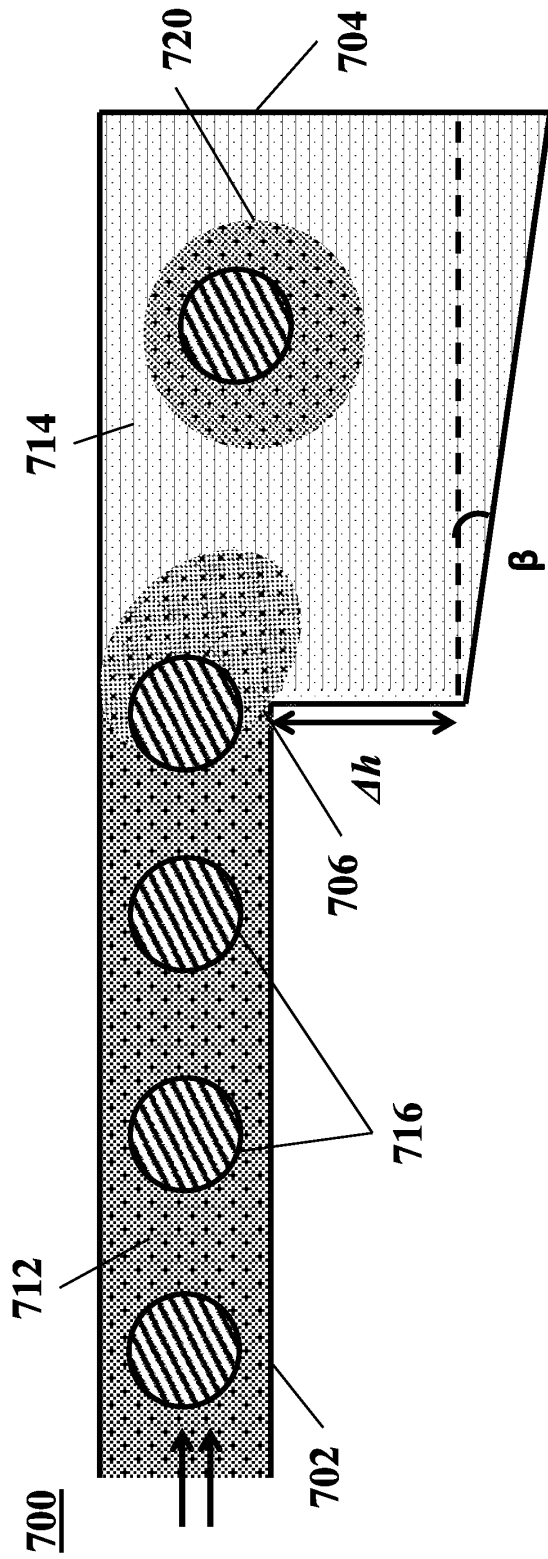


FIG. 7A

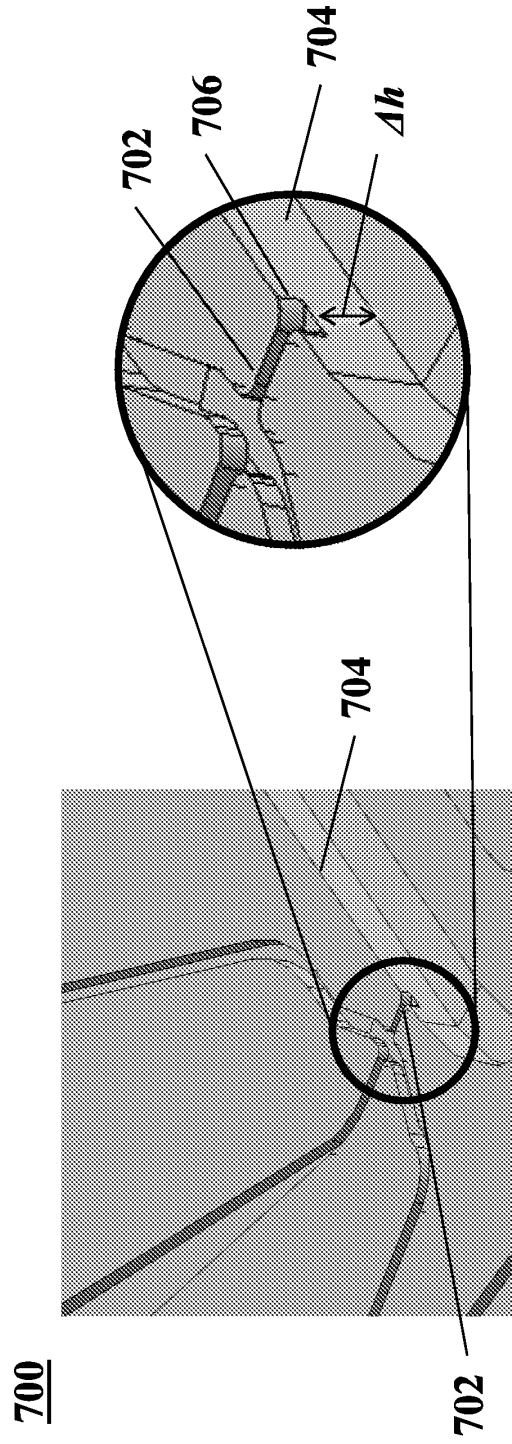


FIG. 7B

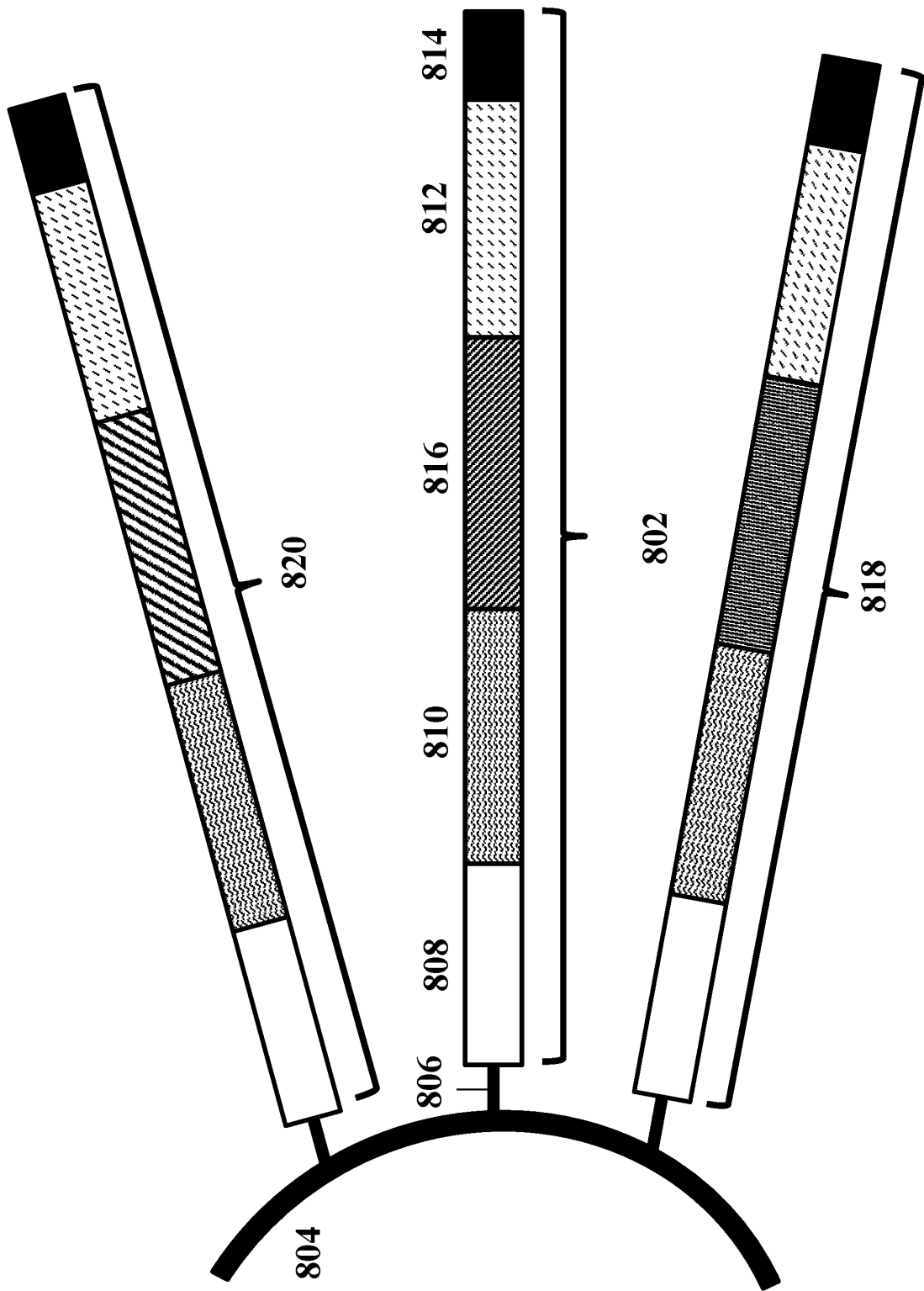


FIG. 8

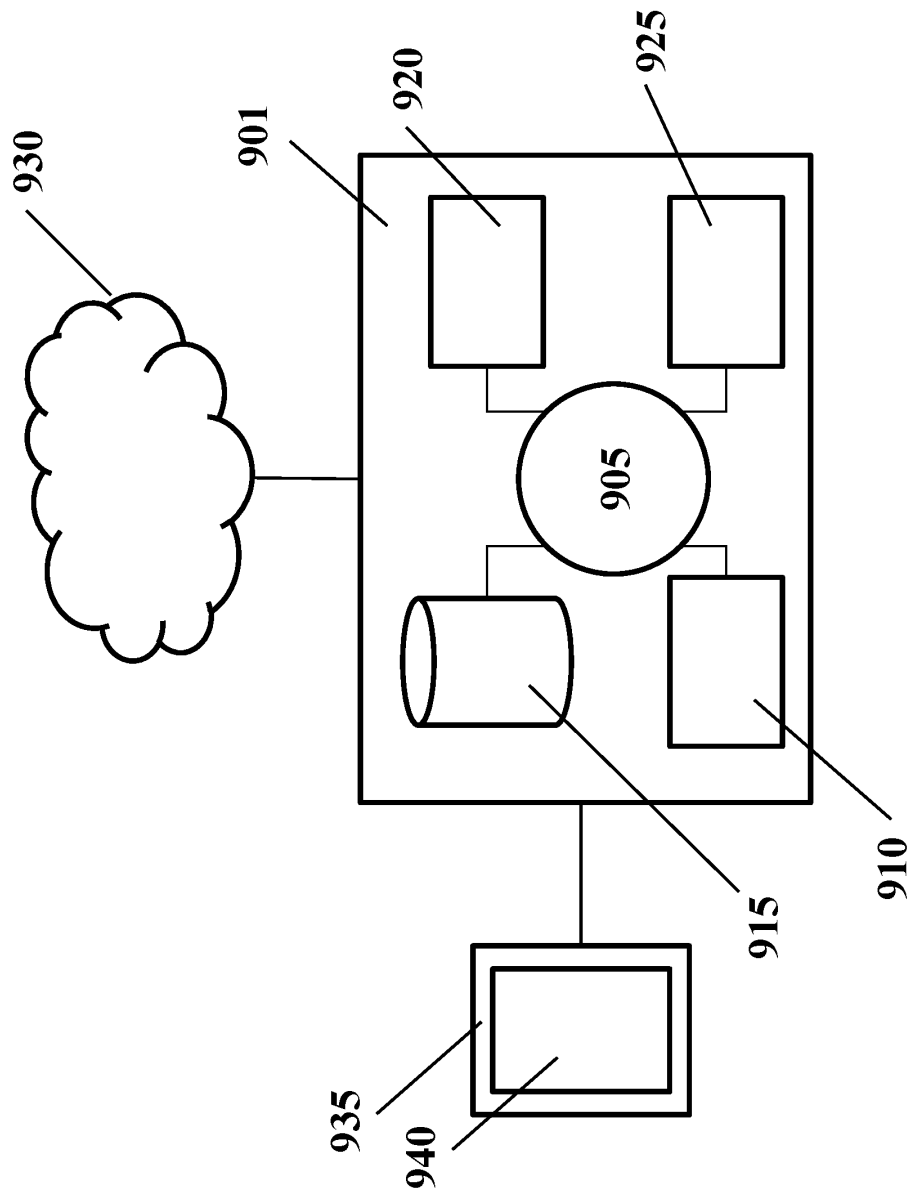


FIG. 9

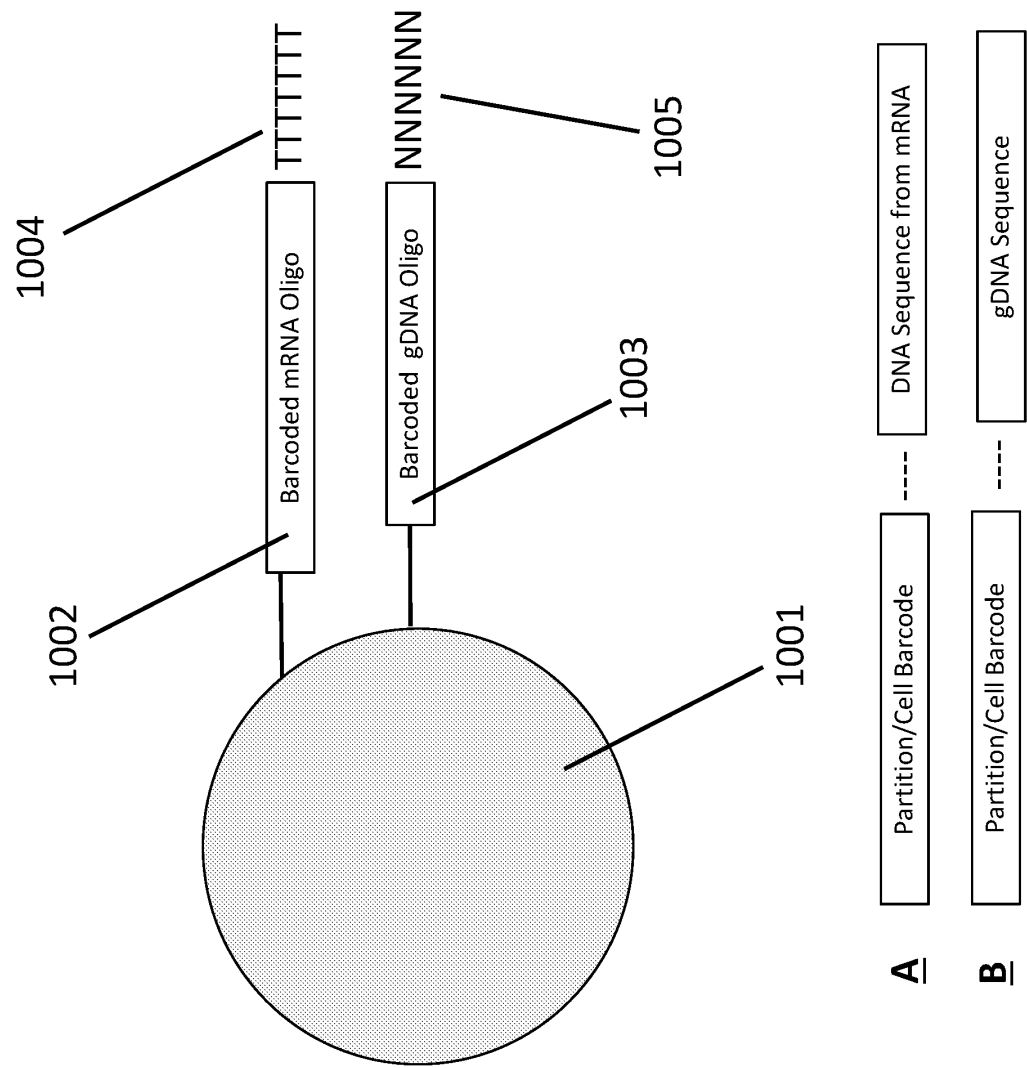


FIG. 10A

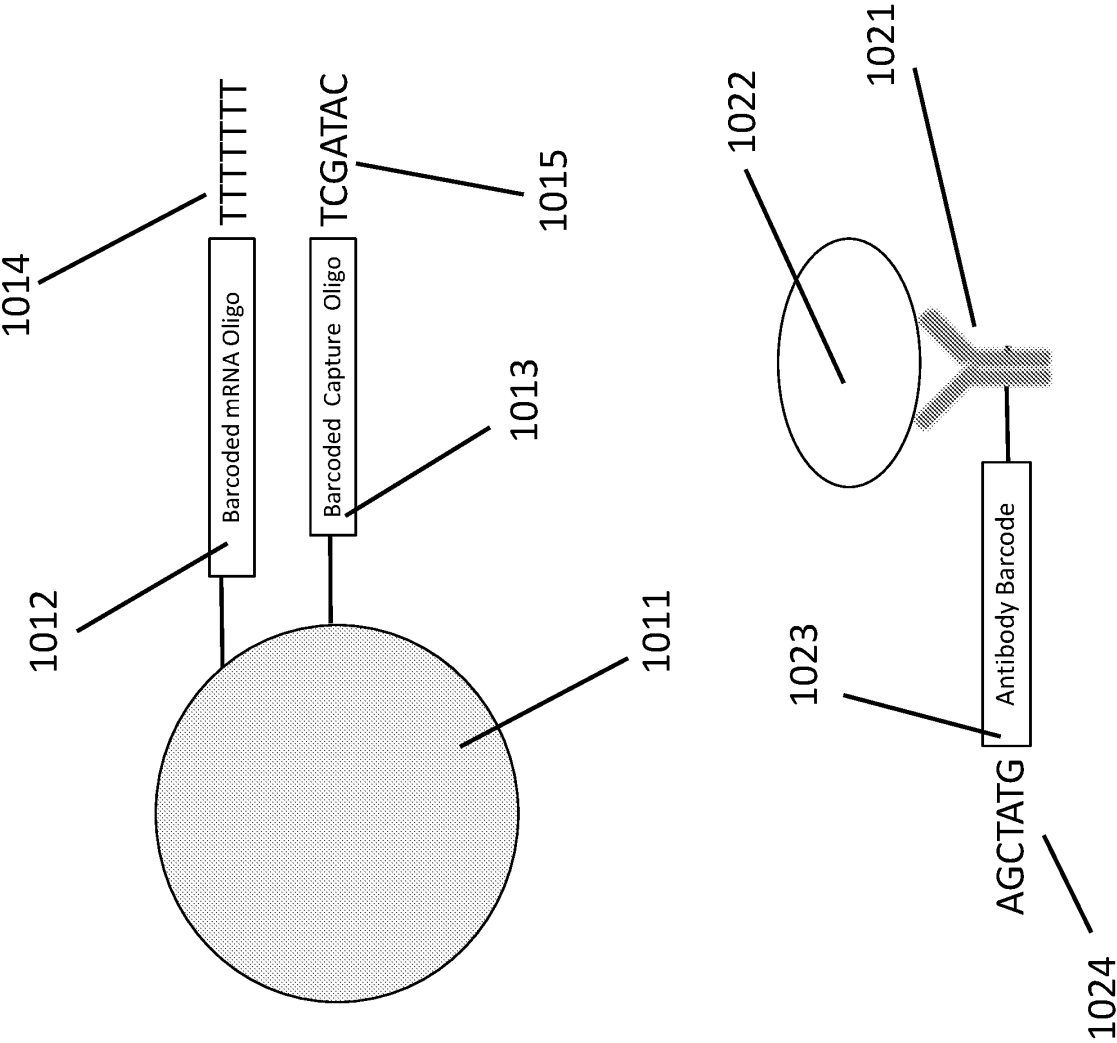


FIG. 10B

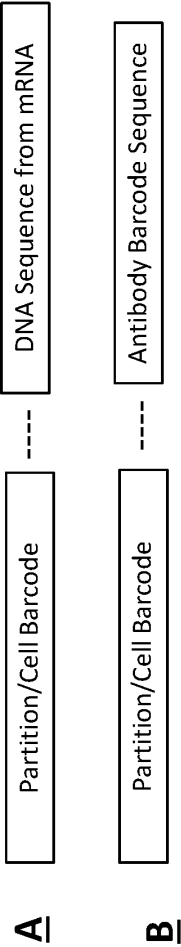


FIG. 10C

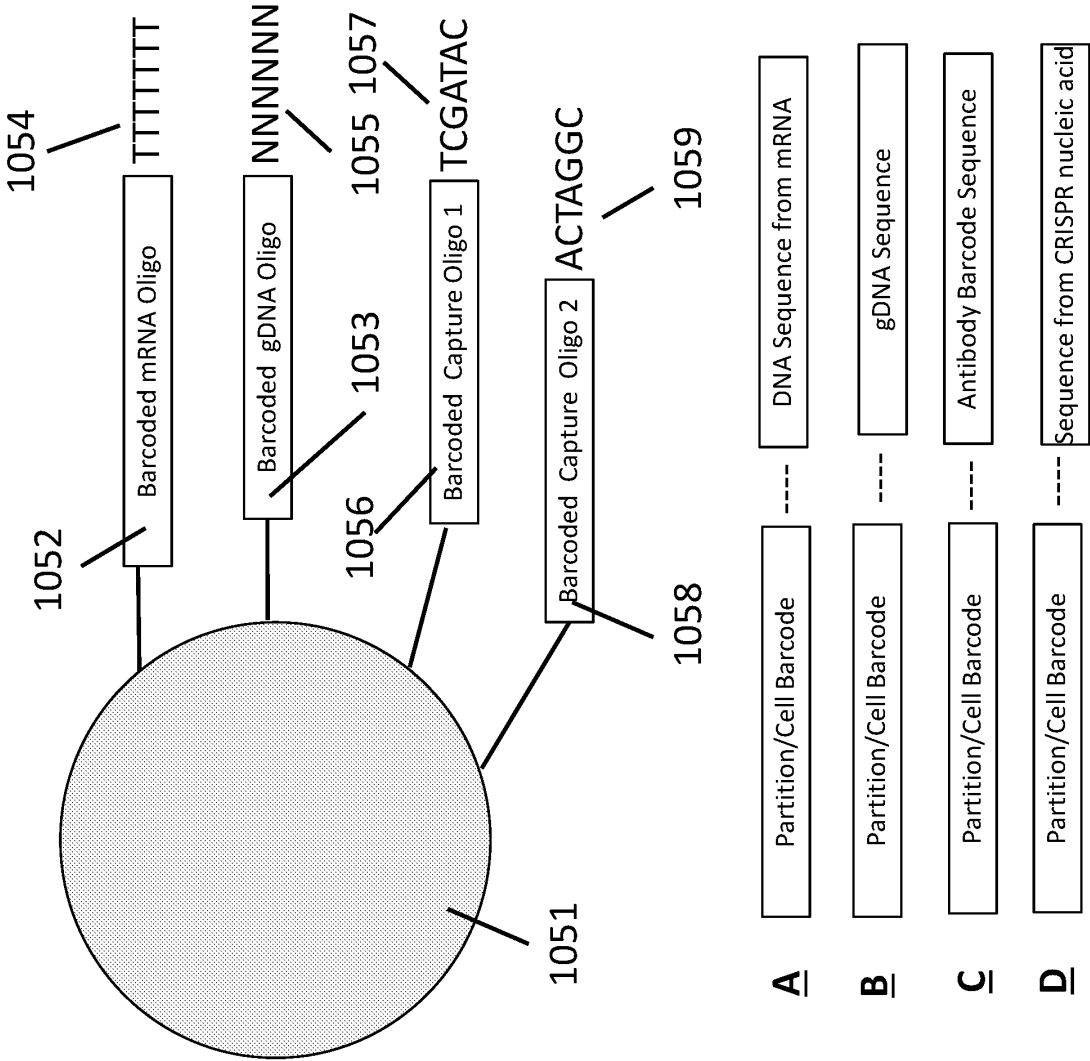


FIG. 10D

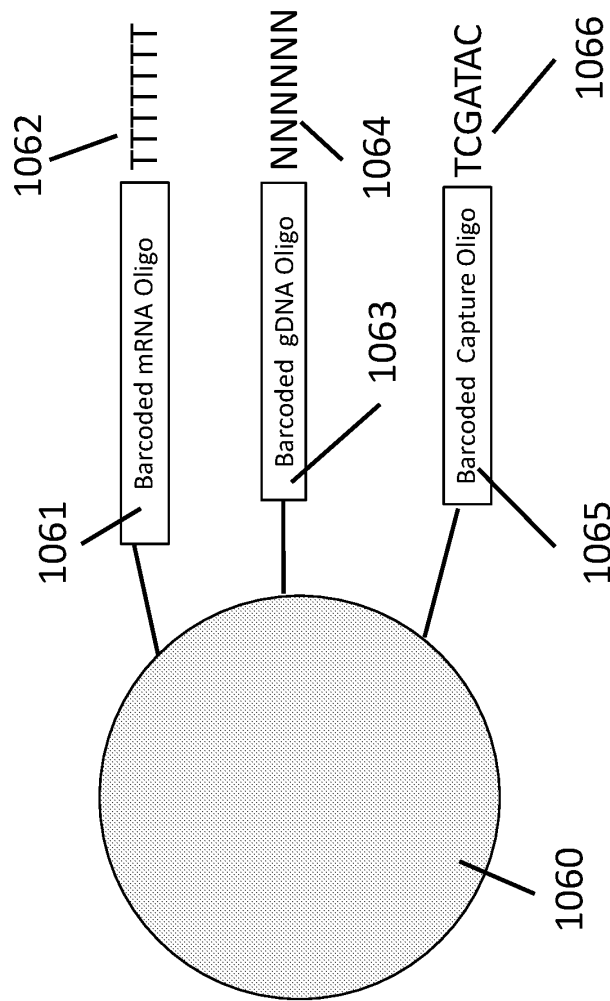
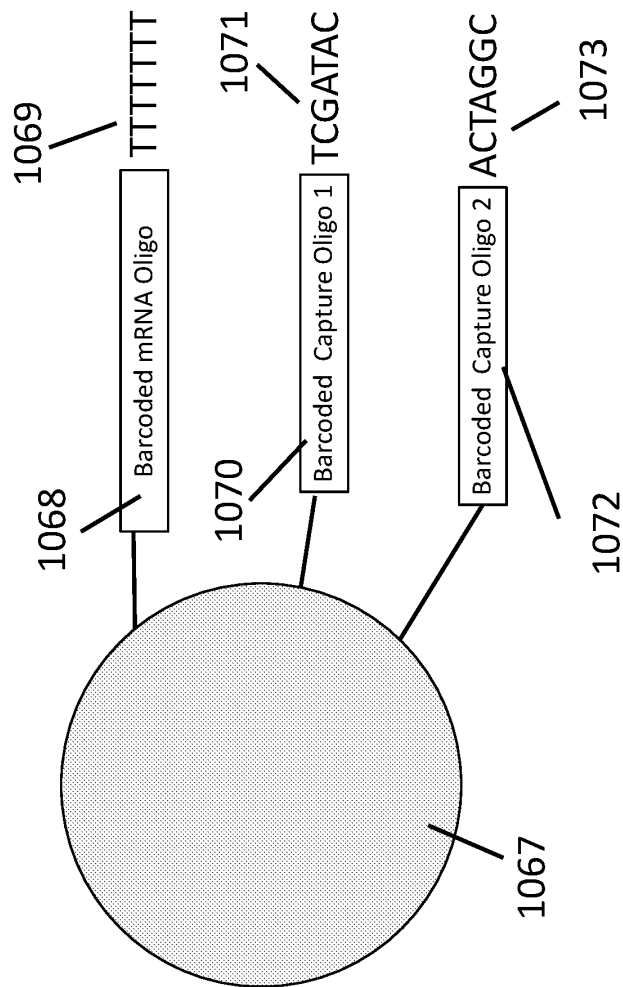


FIG. 10E

**FIG. 10F**

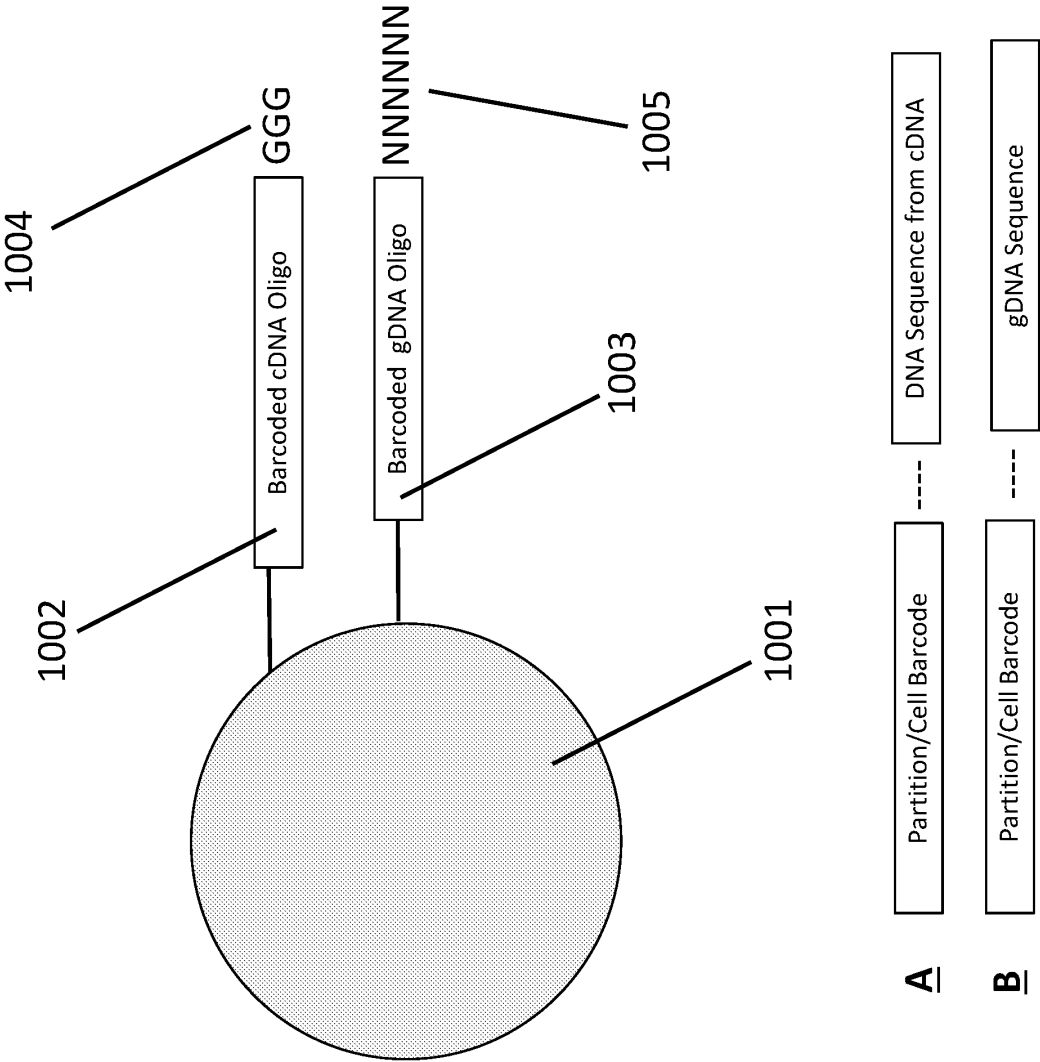


FIG. 10G

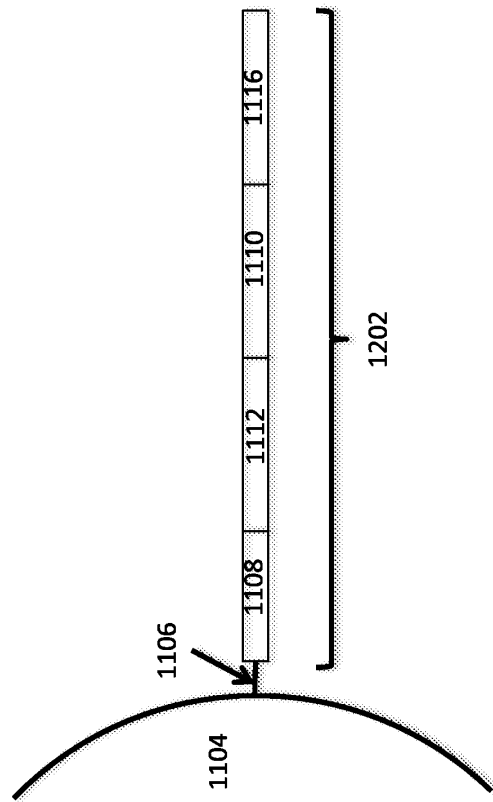


FIG. 11A

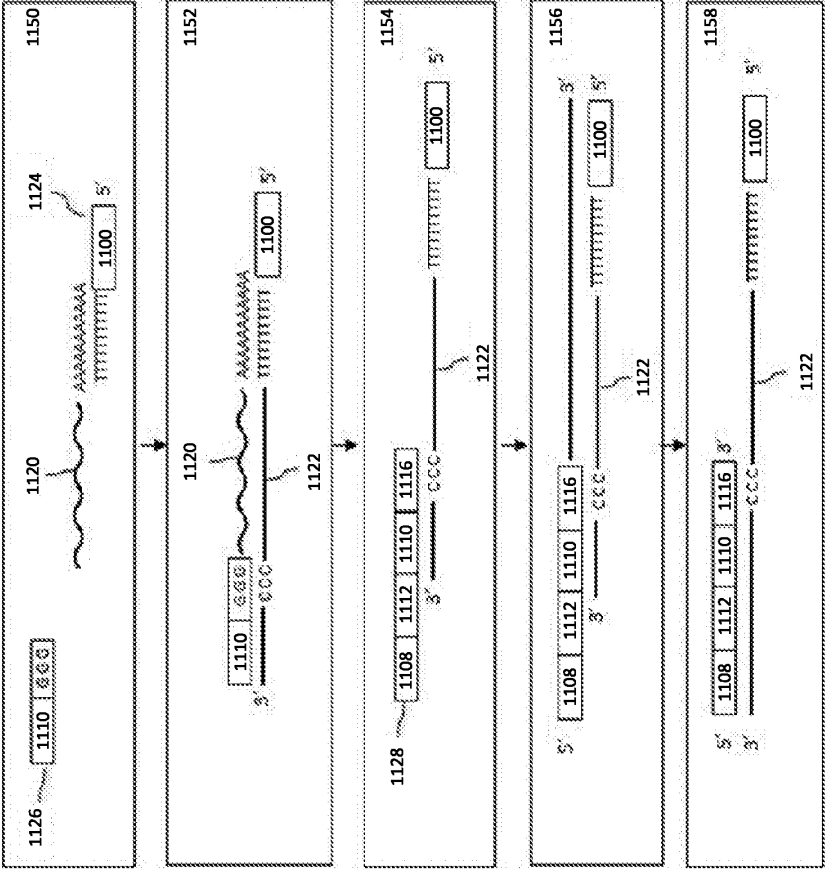


FIG. 11B

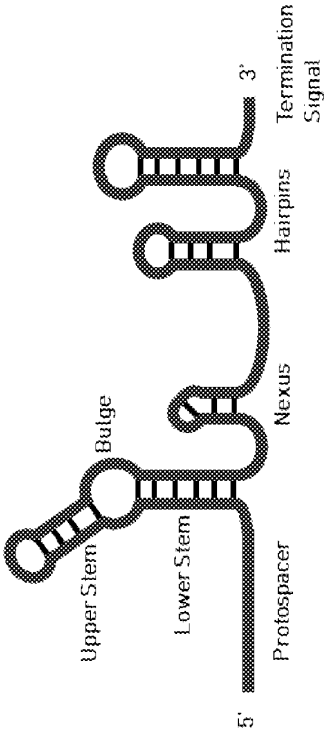


FIG. 12A

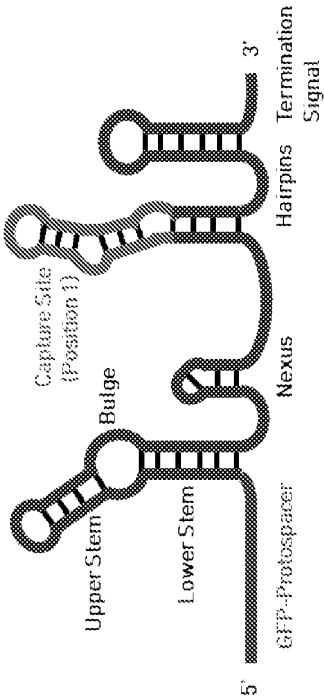


FIG. 12B

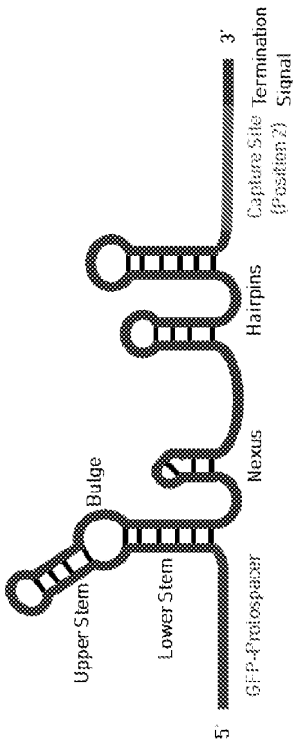


FIG. 12C

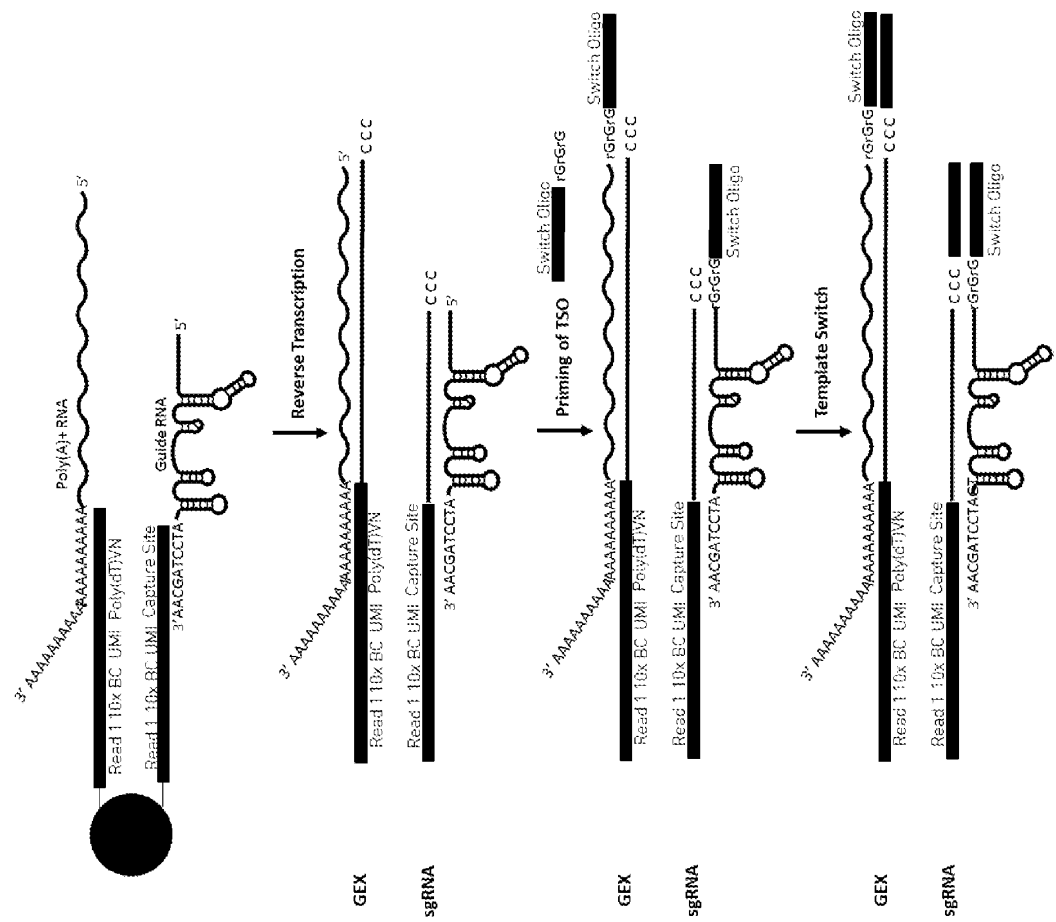


FIG. 12D

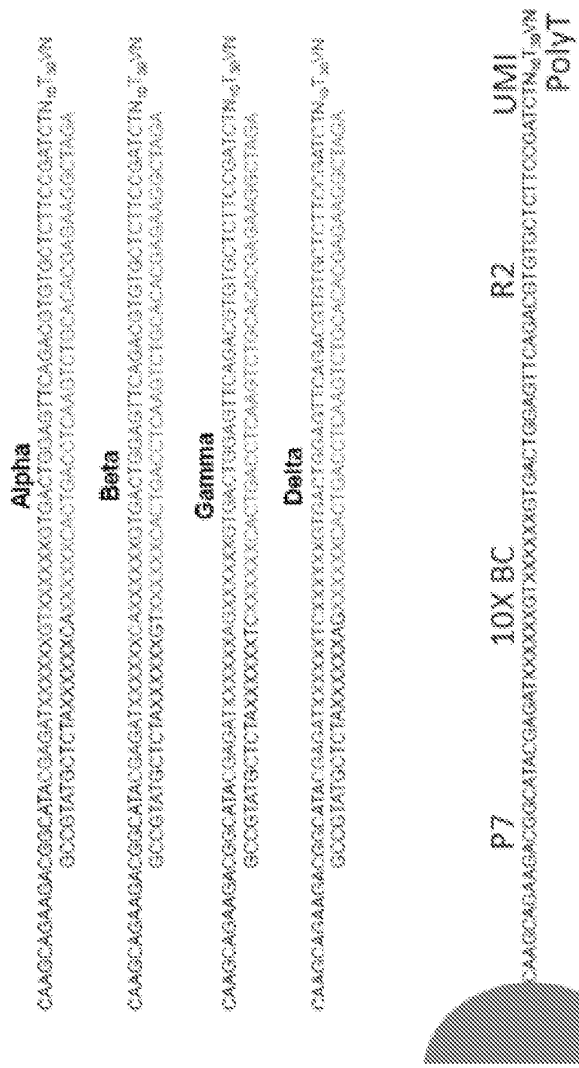


FIG. 13A

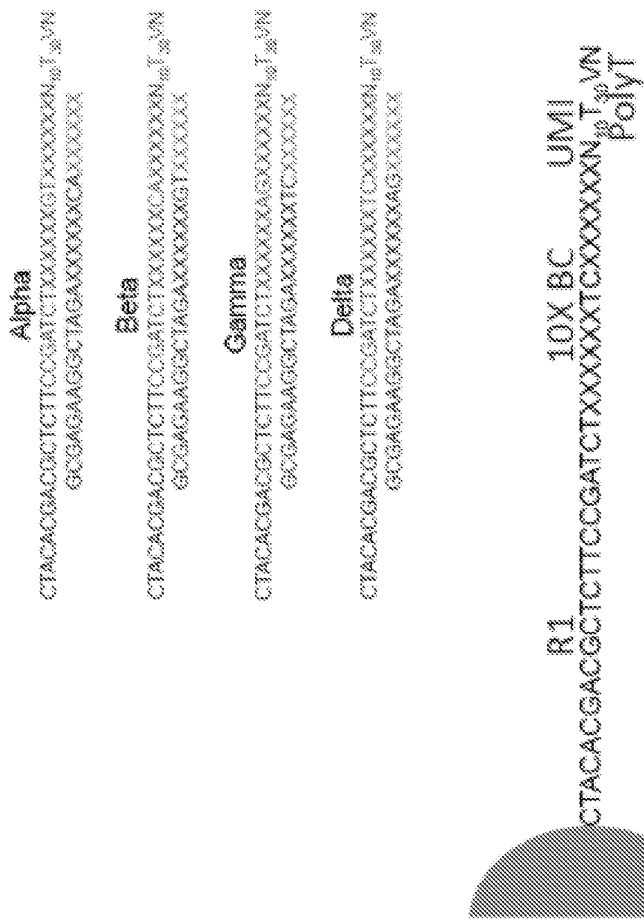


FIG. 13B



FIG. 13C



FIG. 13D

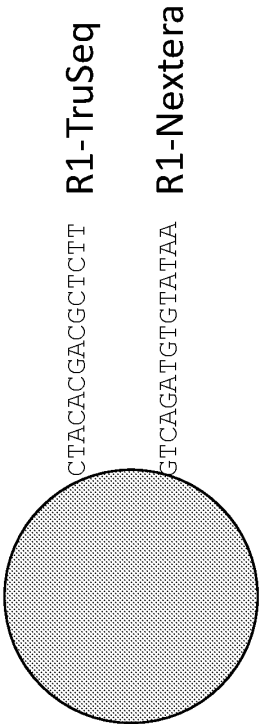


FIG. 14A

Alpha
CTACACGACGCTCTTCCGATCTXXXXXXXXXXGTXXXXXXXXXN₁₀T₃₀VN
GCGAGAAGGCTAGAXXXXXXXXXXXCAXXXXXXXXXX

Beta
CTACACGACGCTCTTCCGATCTTXXXXXXXXXXCAXXXXXXXXXN₁₀T₃₀VN
GCGAGAAGGCTAGAXXXXXXXXXXXGTXXXXXXXXXX

Gamma
CTACACGACGCTCTTCCGATCTXXXXXXXXXXAGXXXXXXXXN₁₀T₃₀VN
GCGAGAAGGCTAGAXXXXXXXXXXXTCXXXXXXXXX

Delta
CTACACGACGCTCTTCCGATCTXXXXXXXXXXTCXXXXXXXXN₁₀T₃₀VN
GCGAGAAGGCTAGAXXXXXXXXXXXAGXXXXXXXXX

FIG. 14B

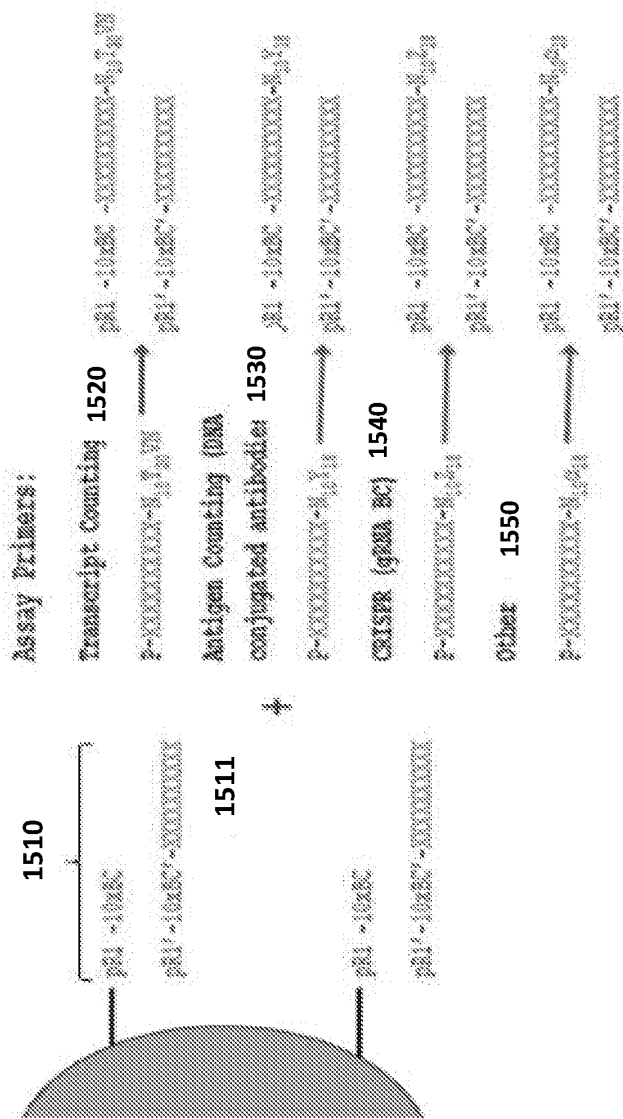


FIG. 15A

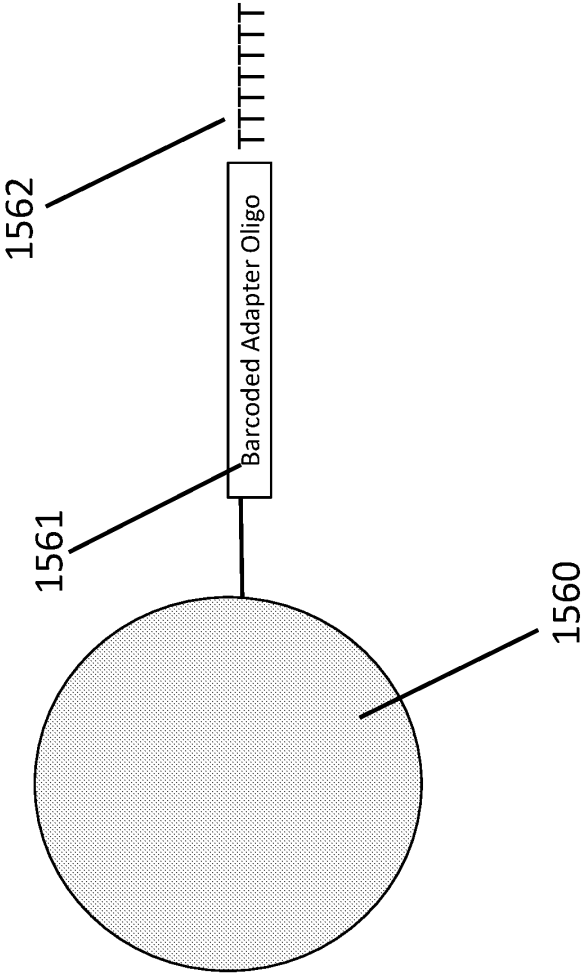


FIG. 15B

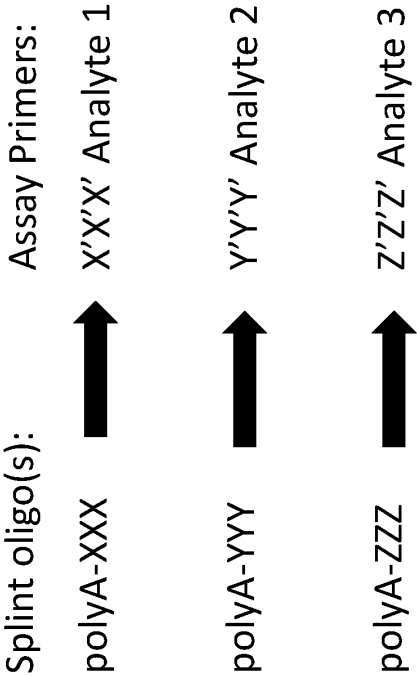


FIG. 15C

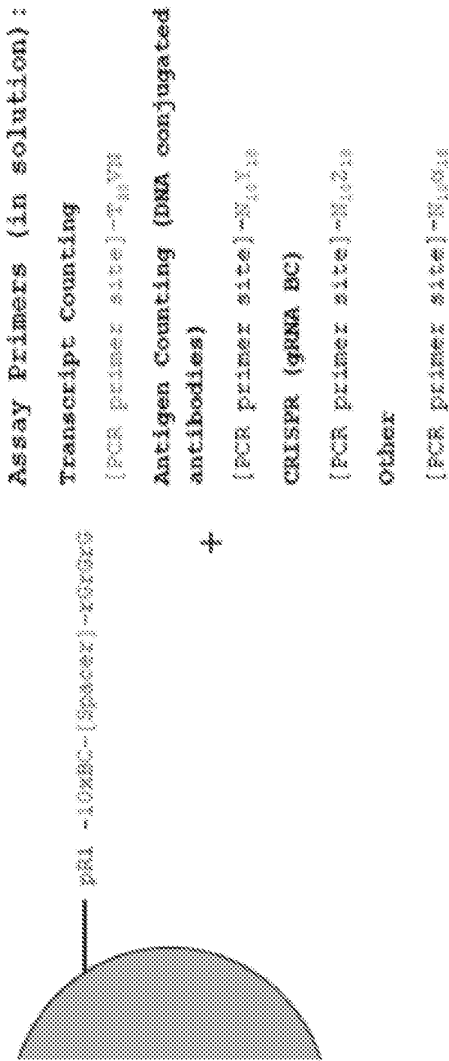
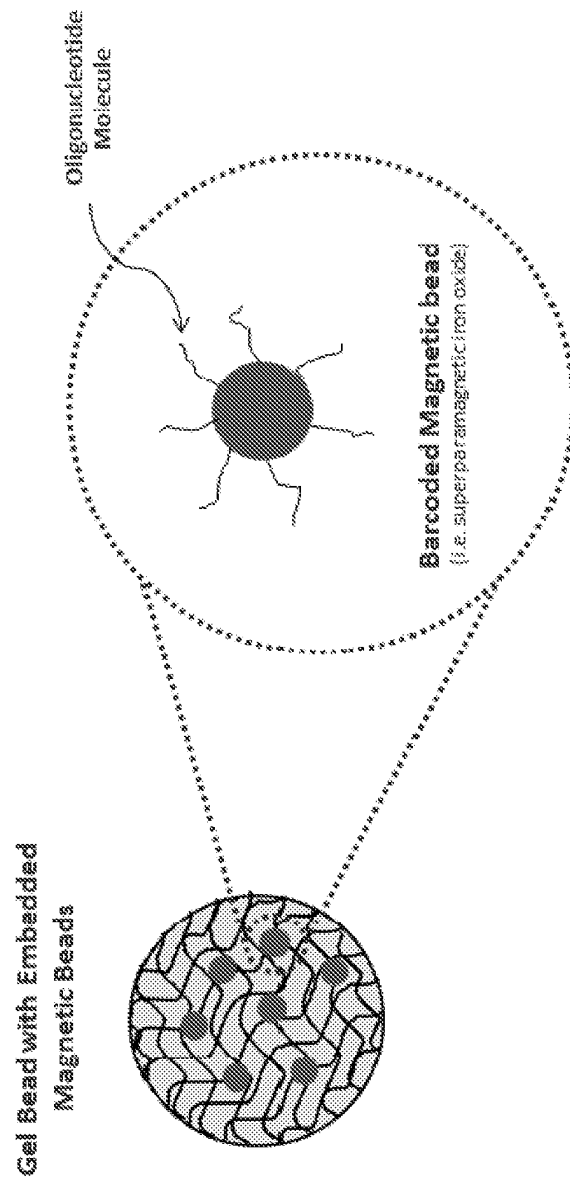
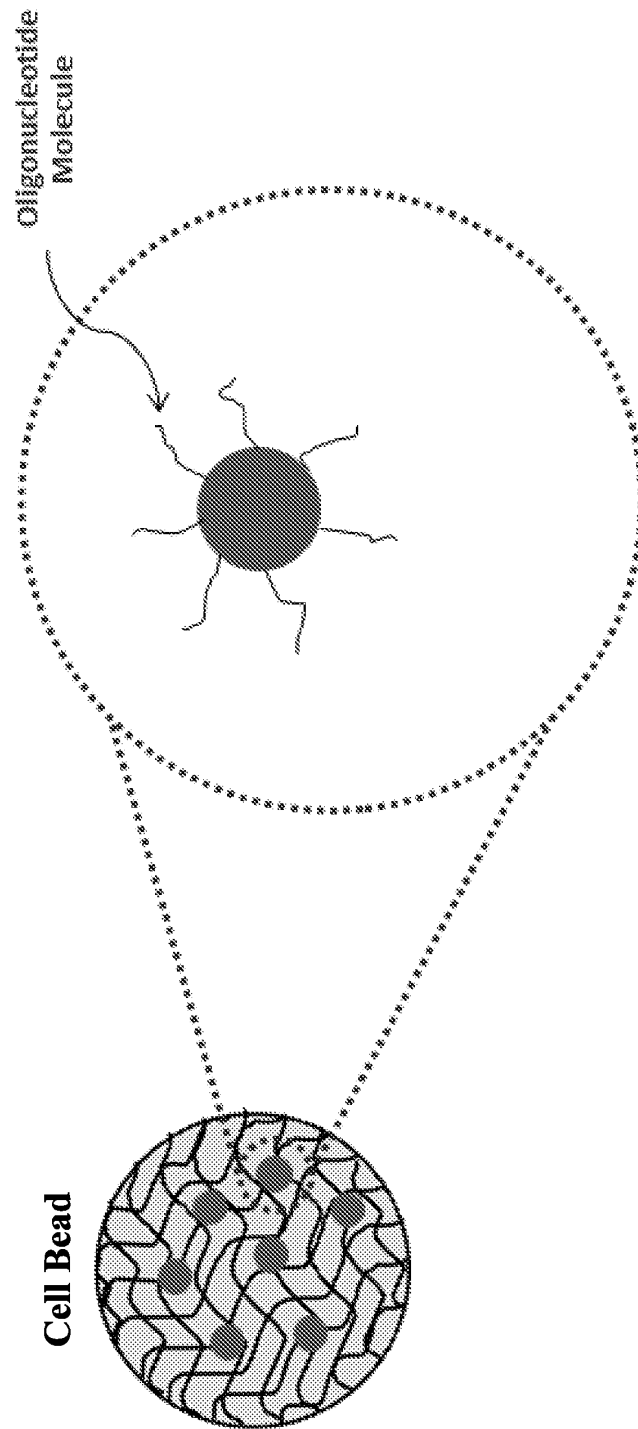


FIG. 16

**FIG. 17A**

**FIG. 17B**

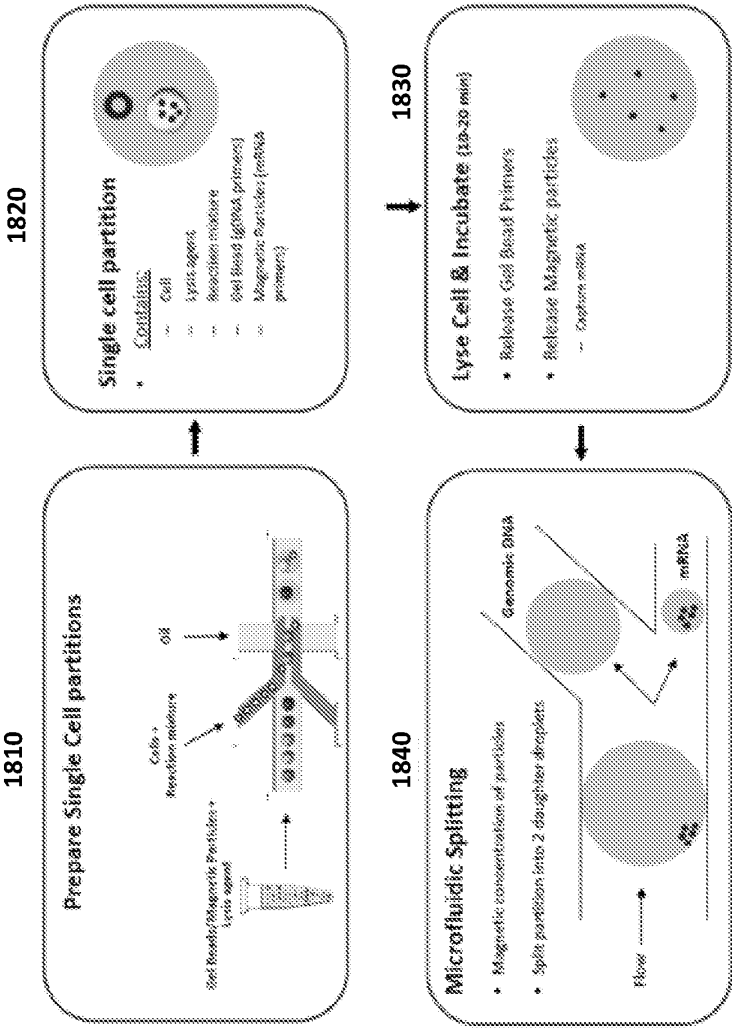


FIG. 18

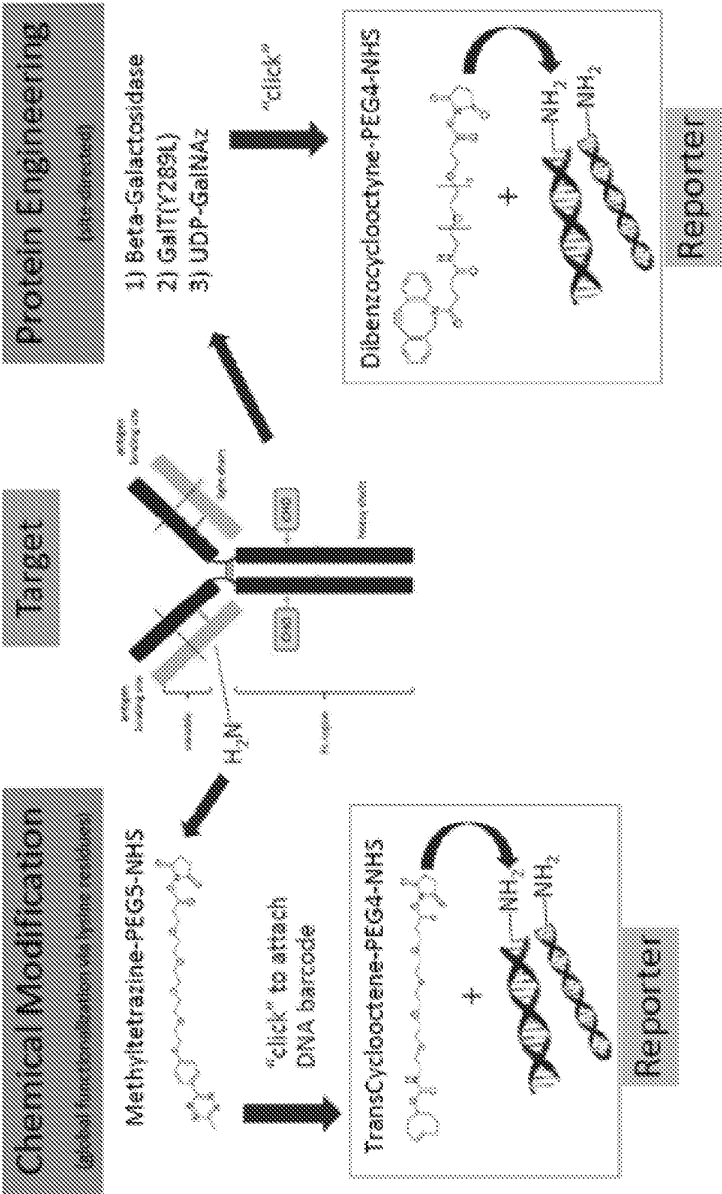


FIG. 19

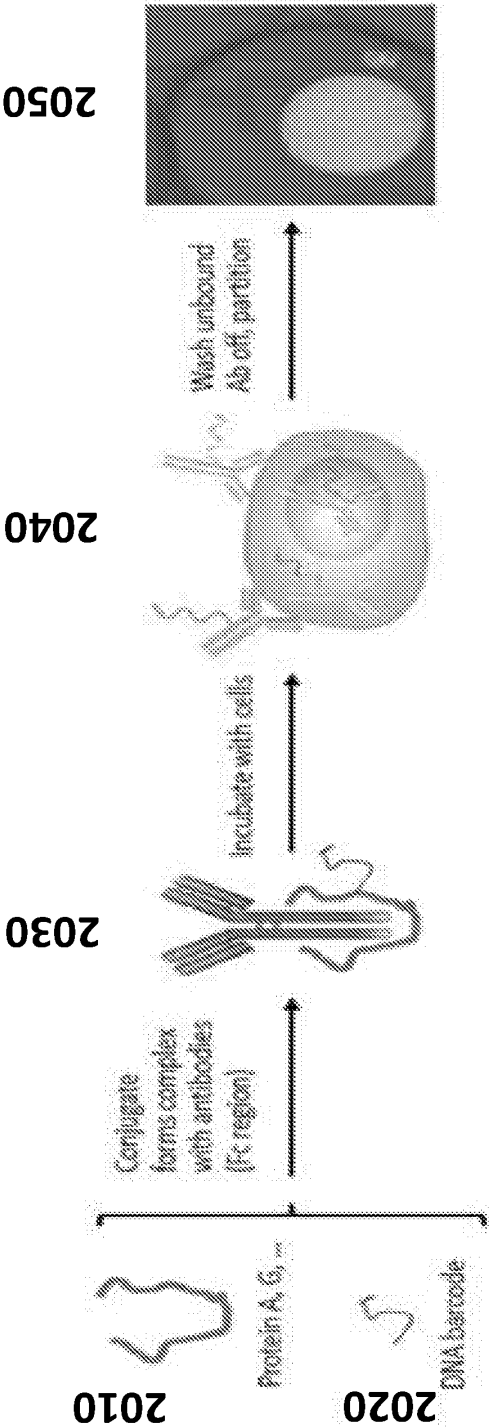


FIG. 20



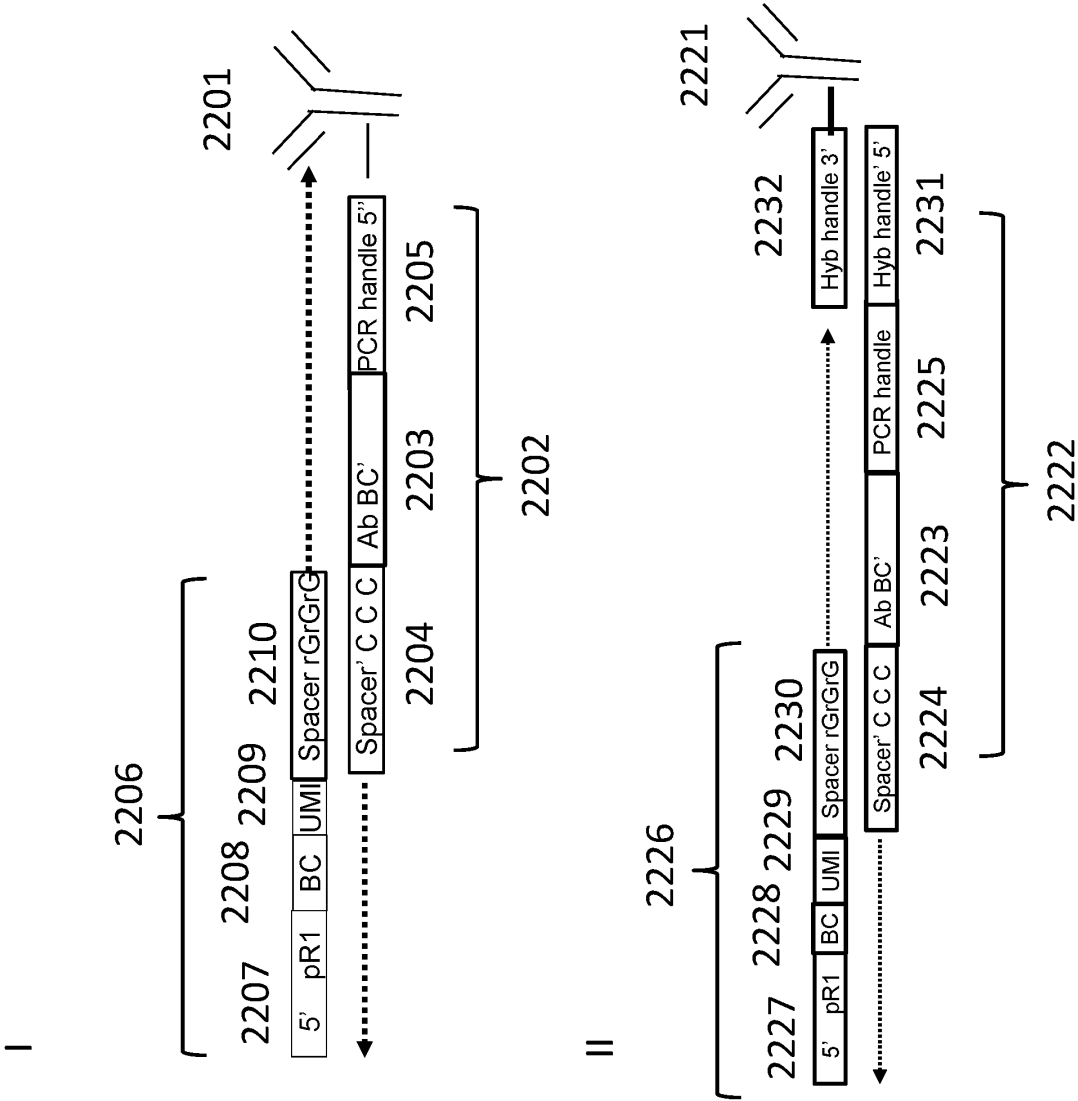


FIG. 22

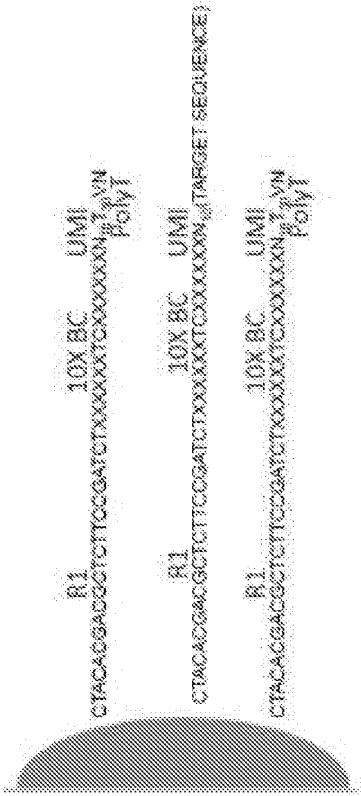


FIG. 23A

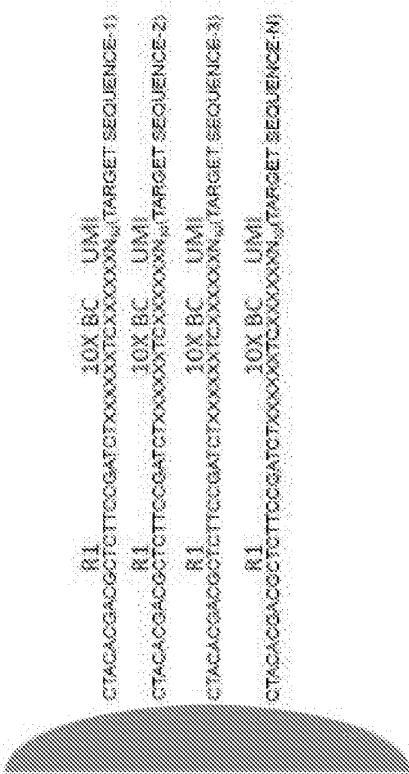


FIG. 23B

FIG. 23C

FIG. 23D

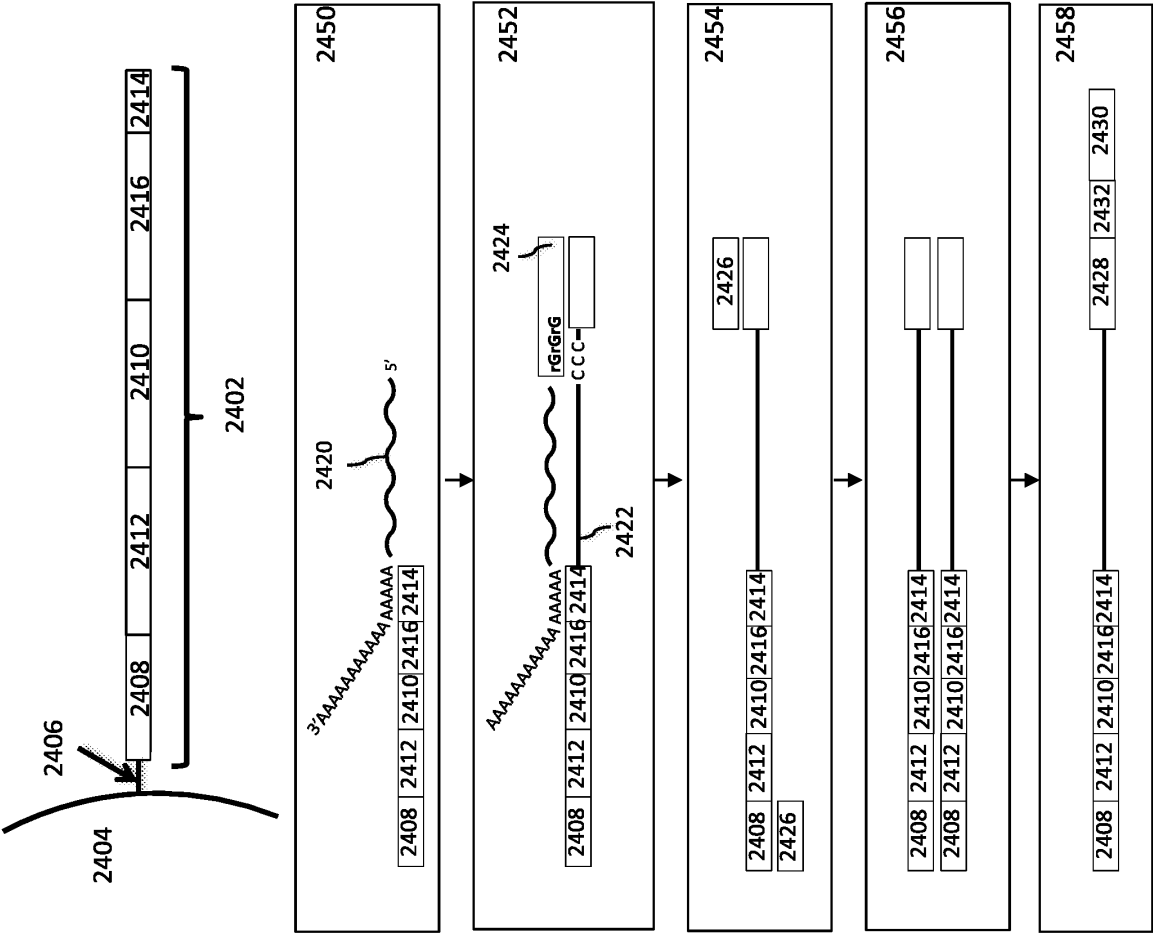


FIG. 24A

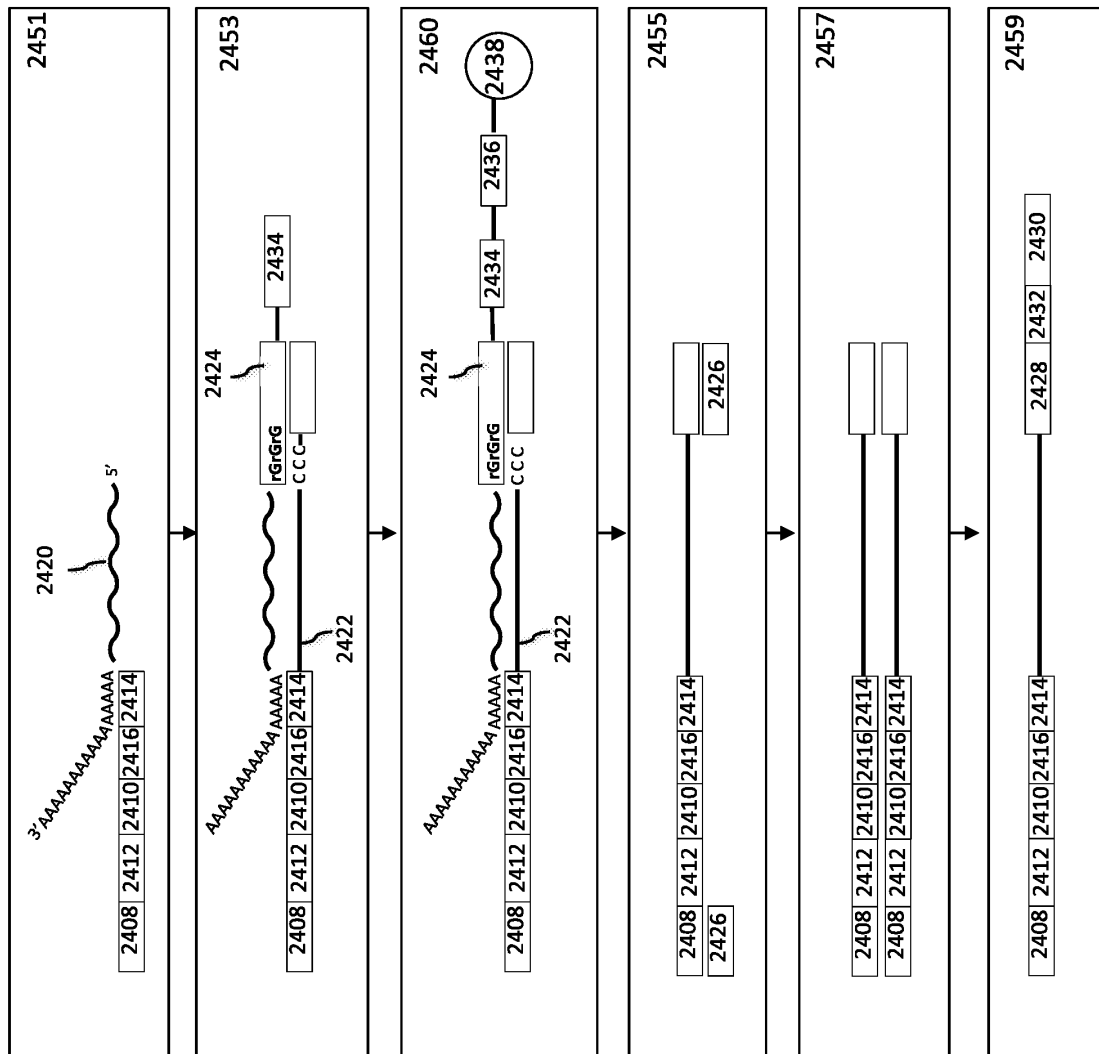


FIG. 24B

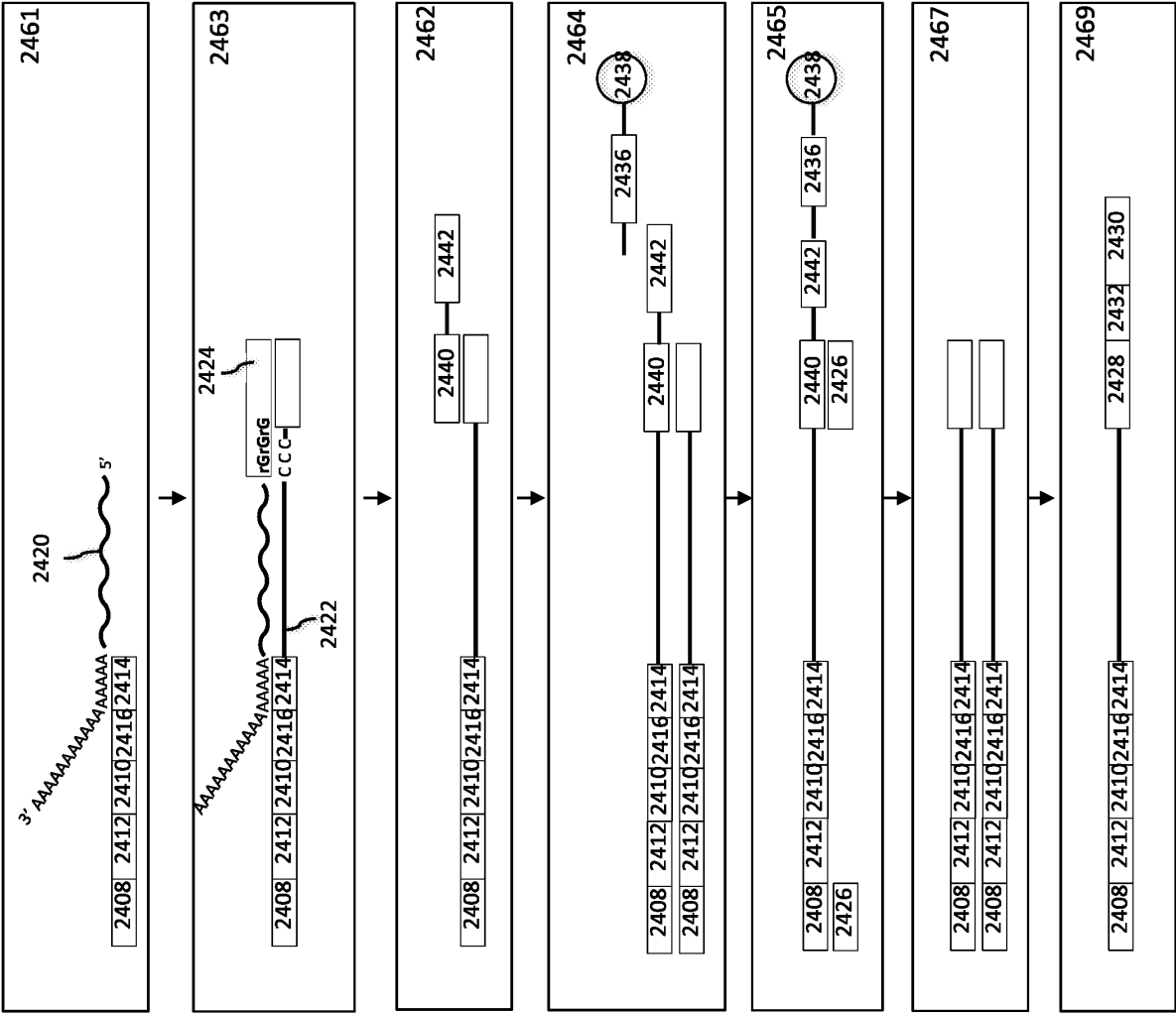


FIG. 24C

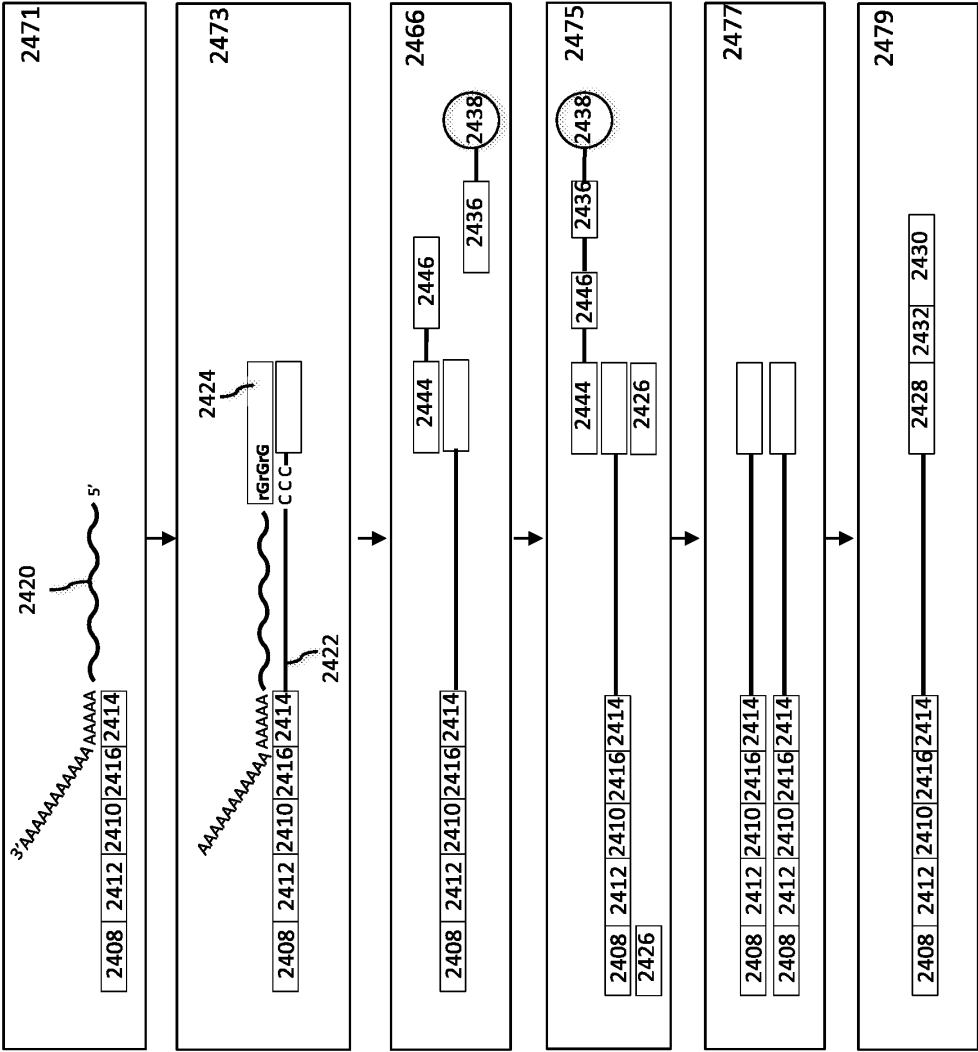


FIG. 24D

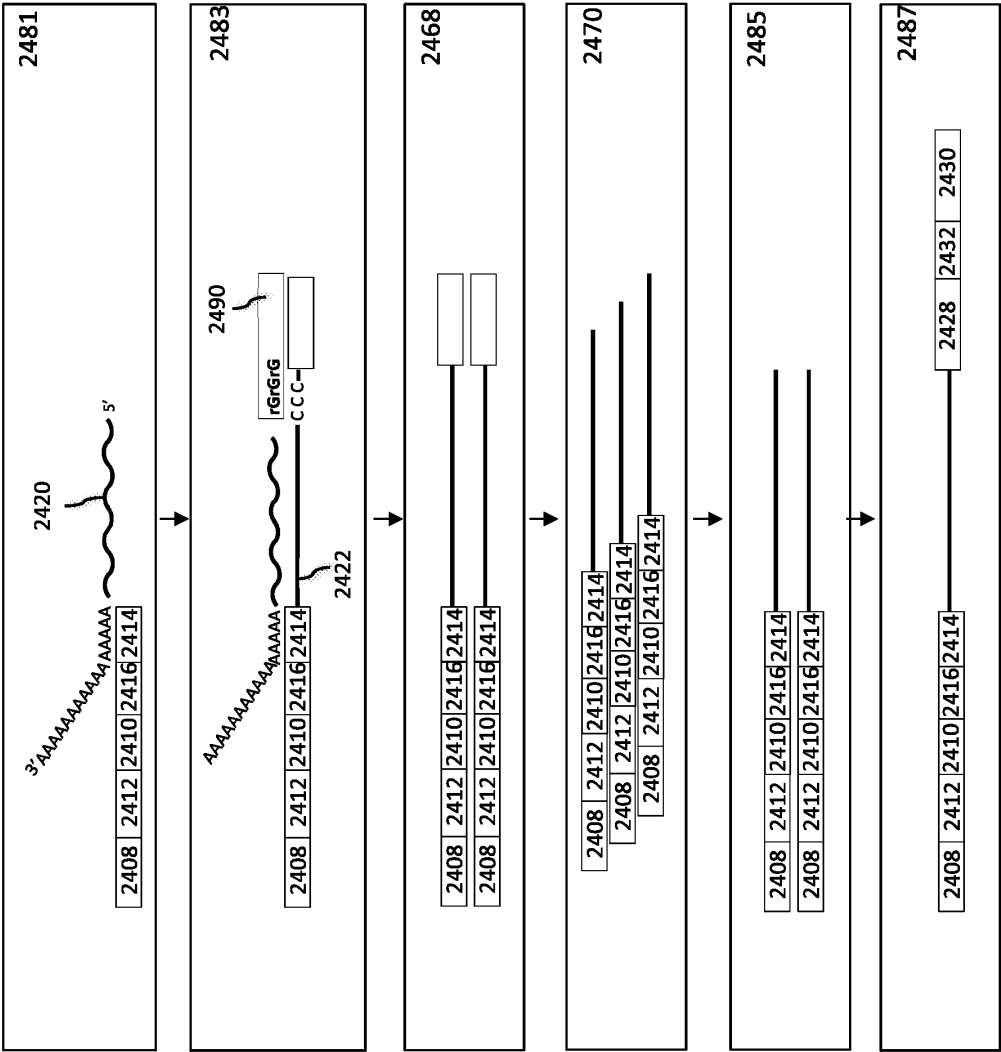


FIG. 24E

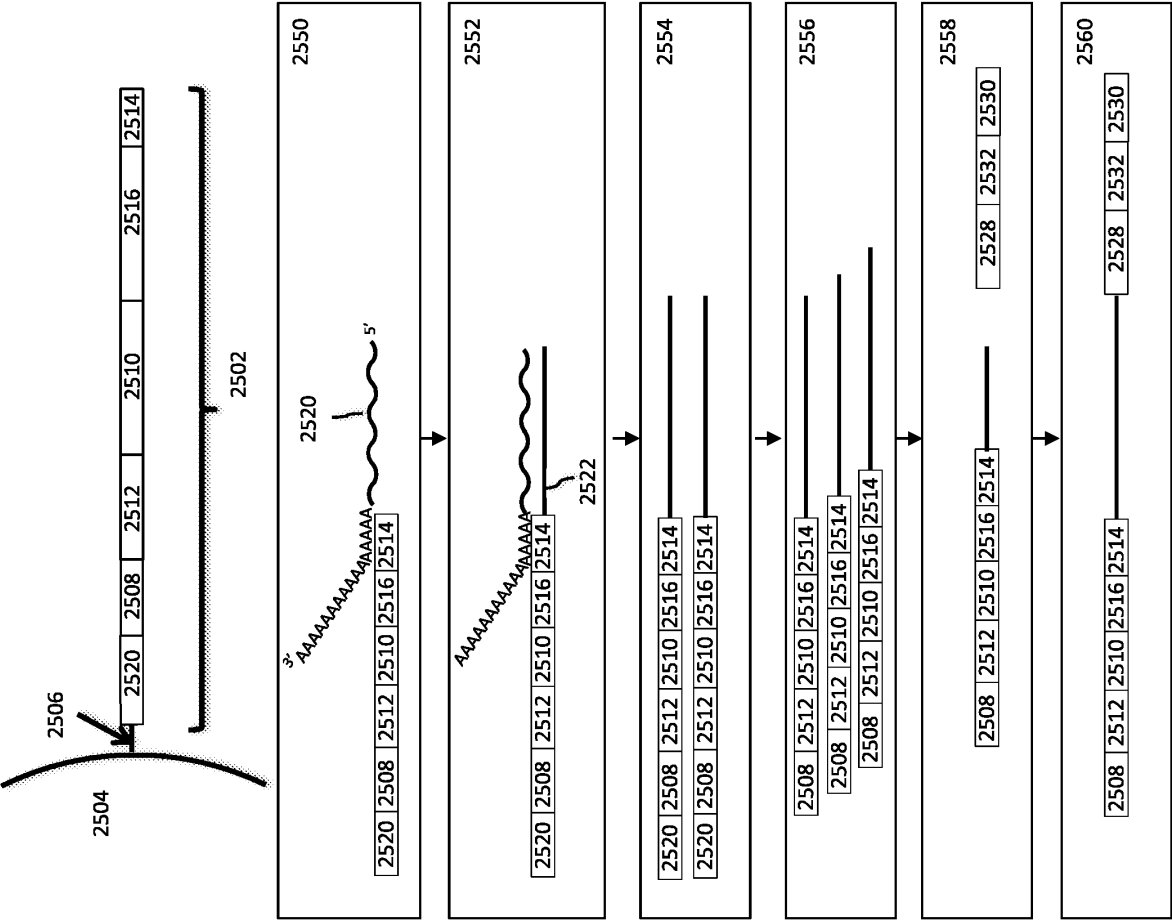


FIG. 25

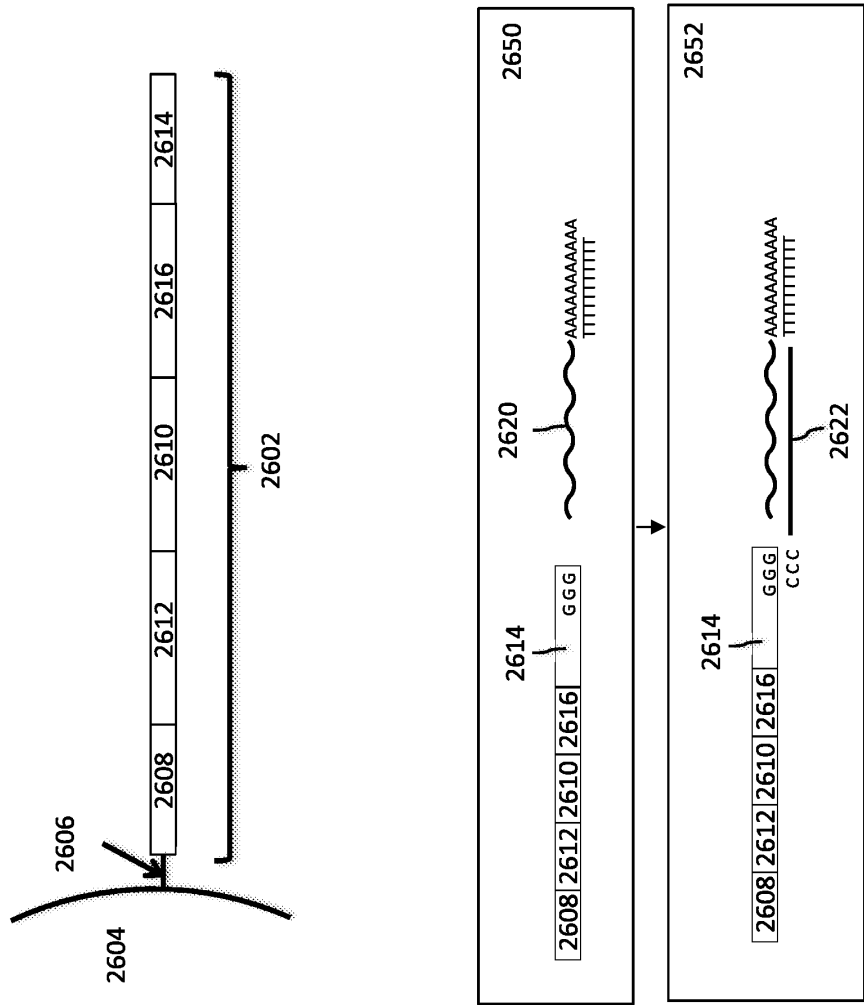


FIG. 26

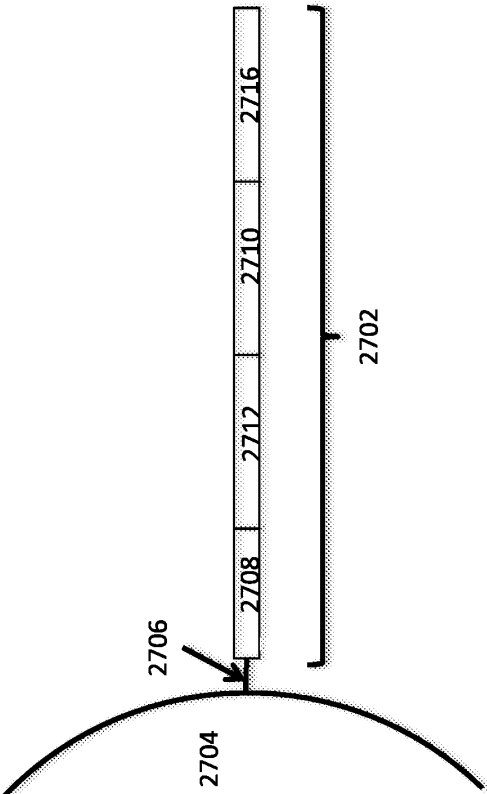


FIG. 27A

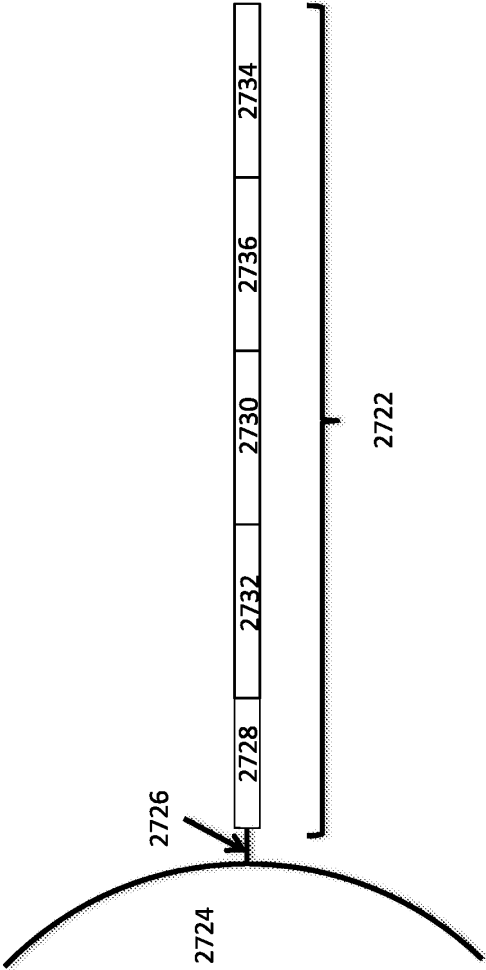


FIG. 27B

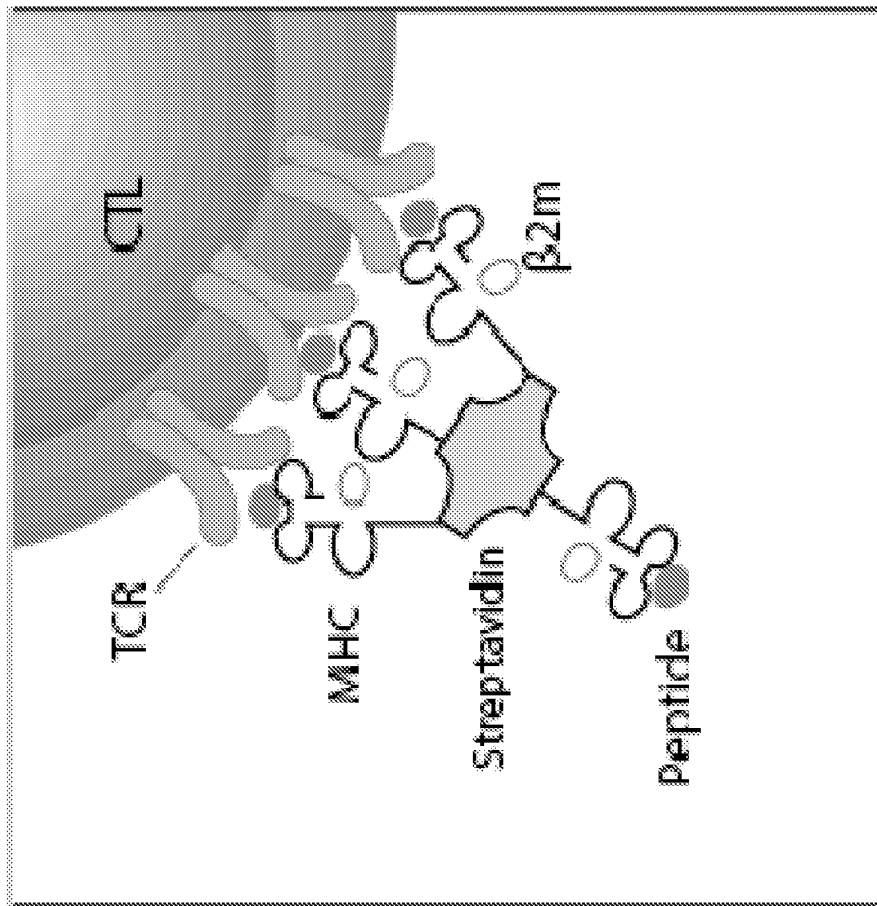
**FIG. 28A**



FIG. 28B

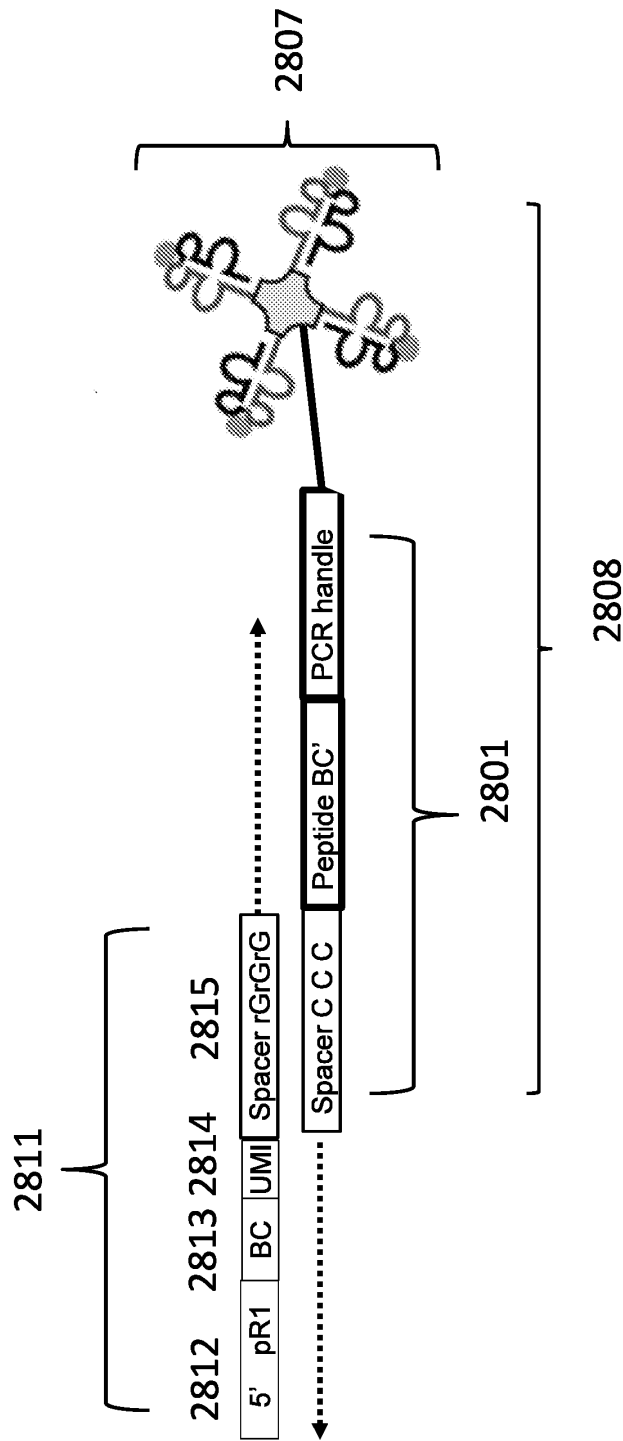
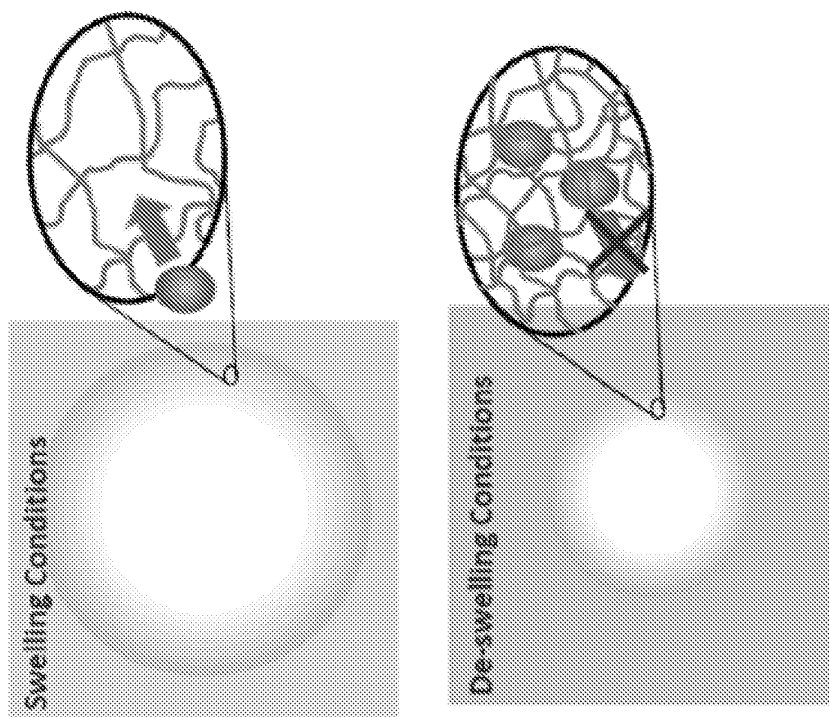
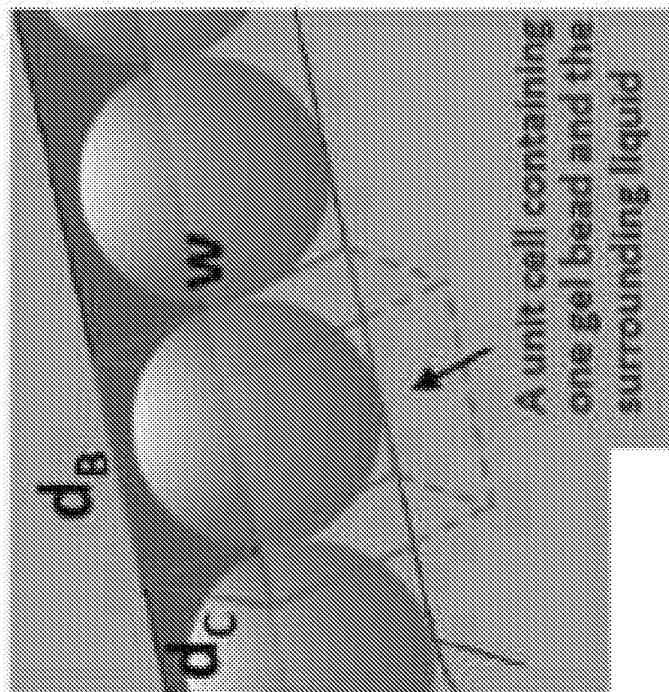


FIG. 28C

**FIG. 29**

**FIG. 30**

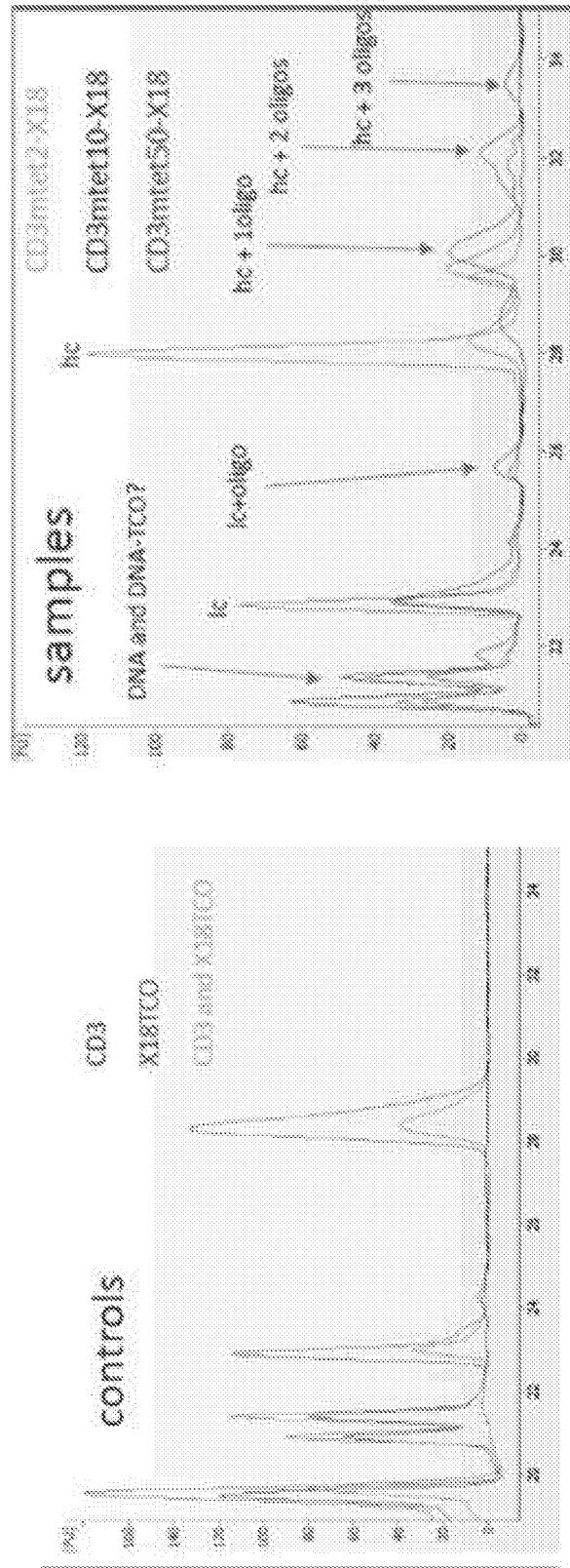
**FIG. 31**



FIG. 32

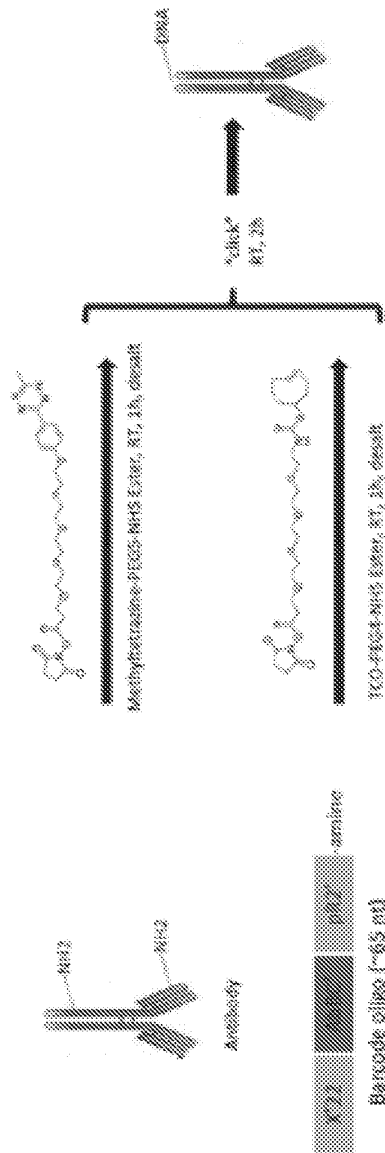


FIG. 33A

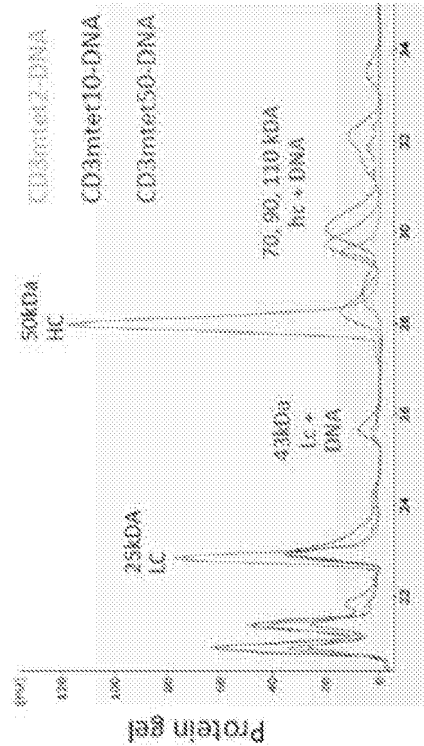


FIG. 33B

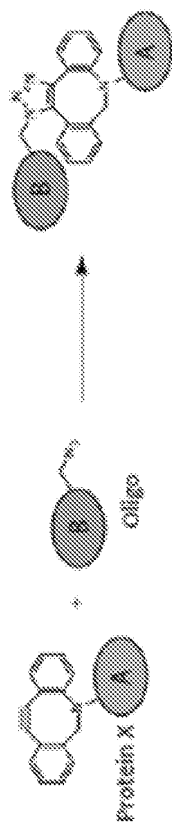


FIG. 34A

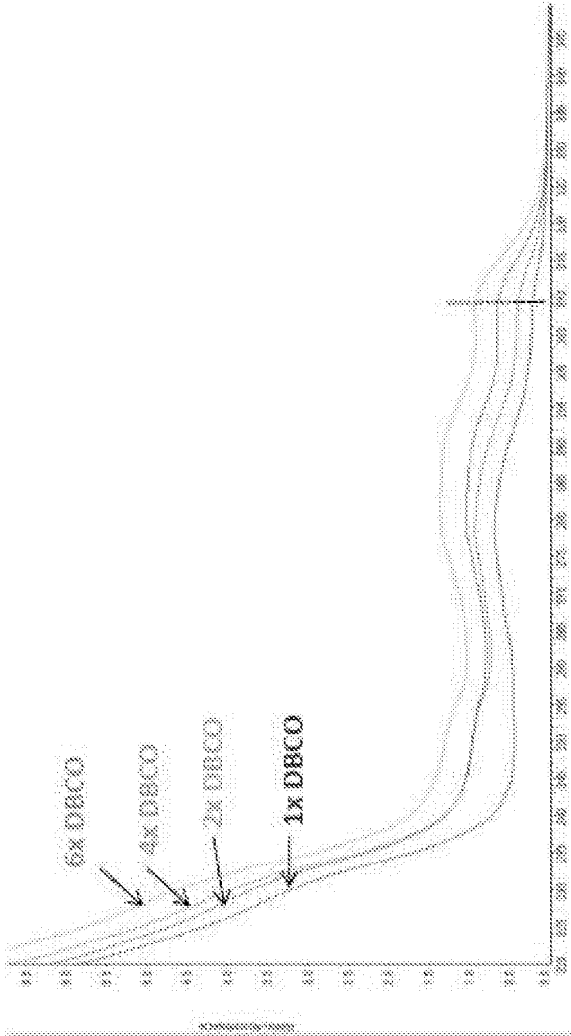


FIG. 34B

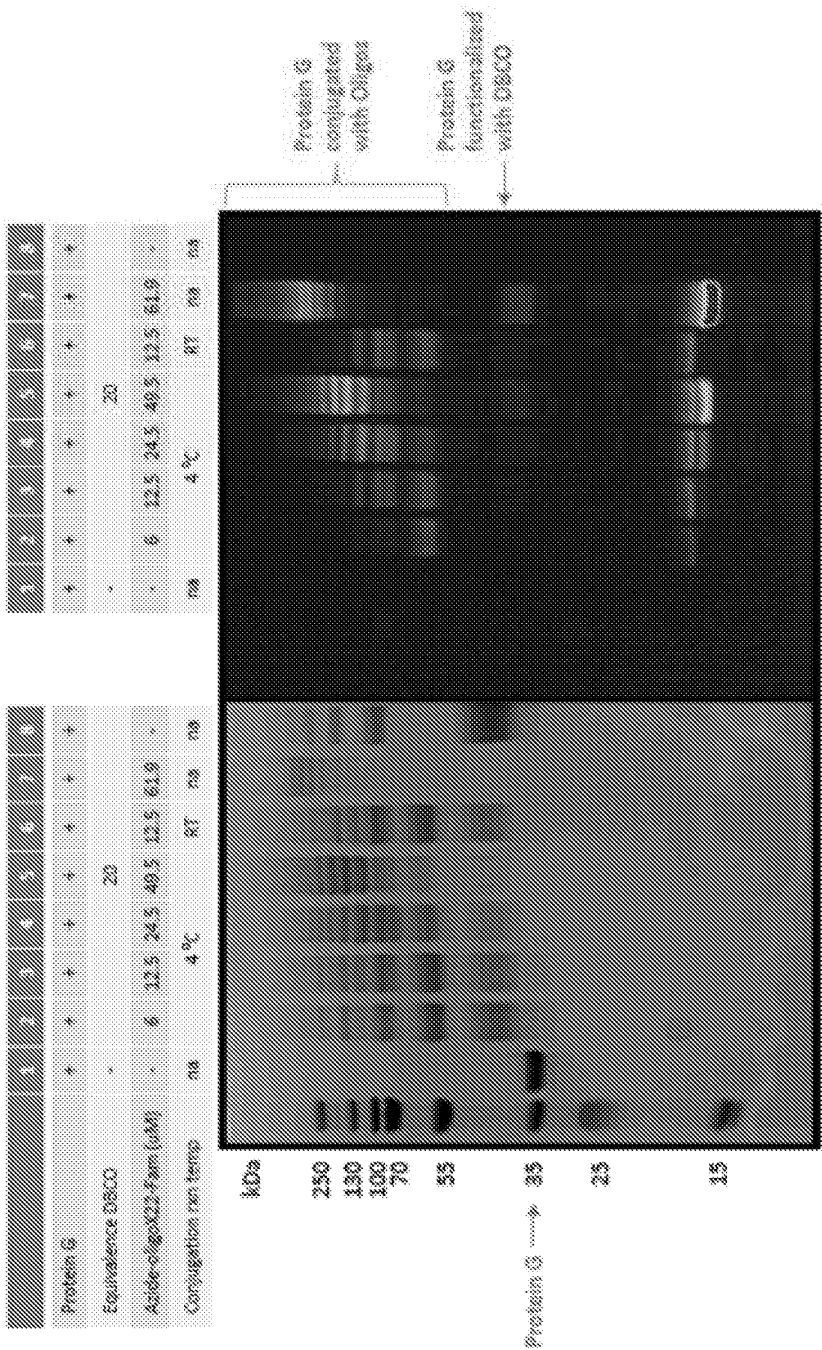


FIG. 34C

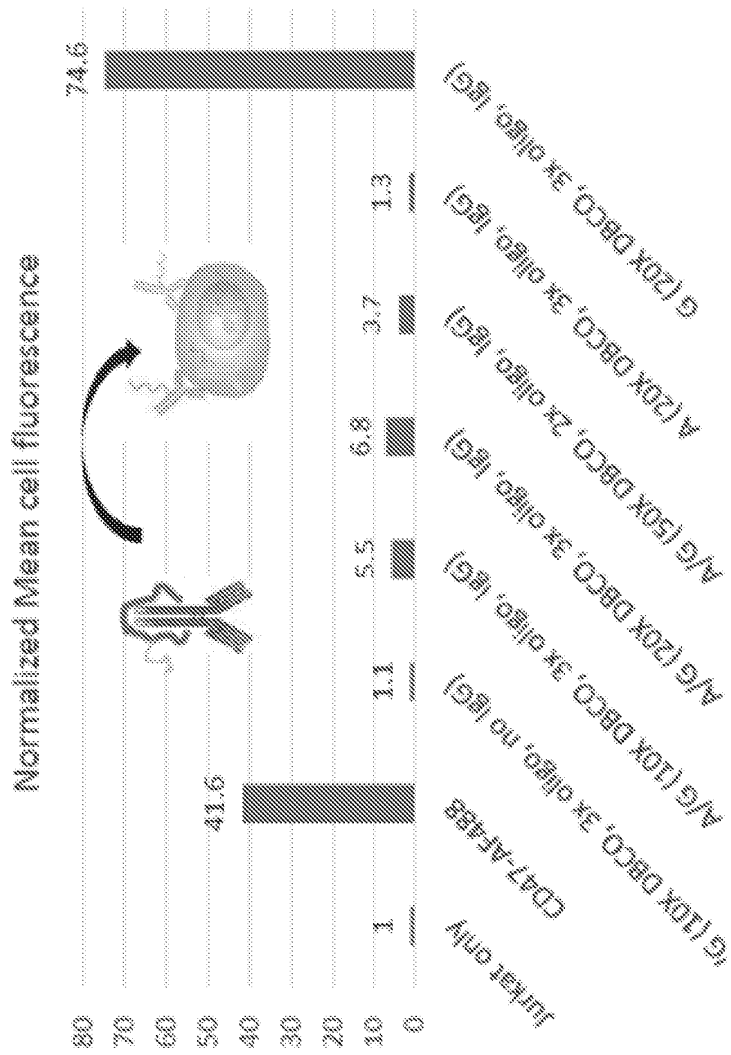


FIG. 34D

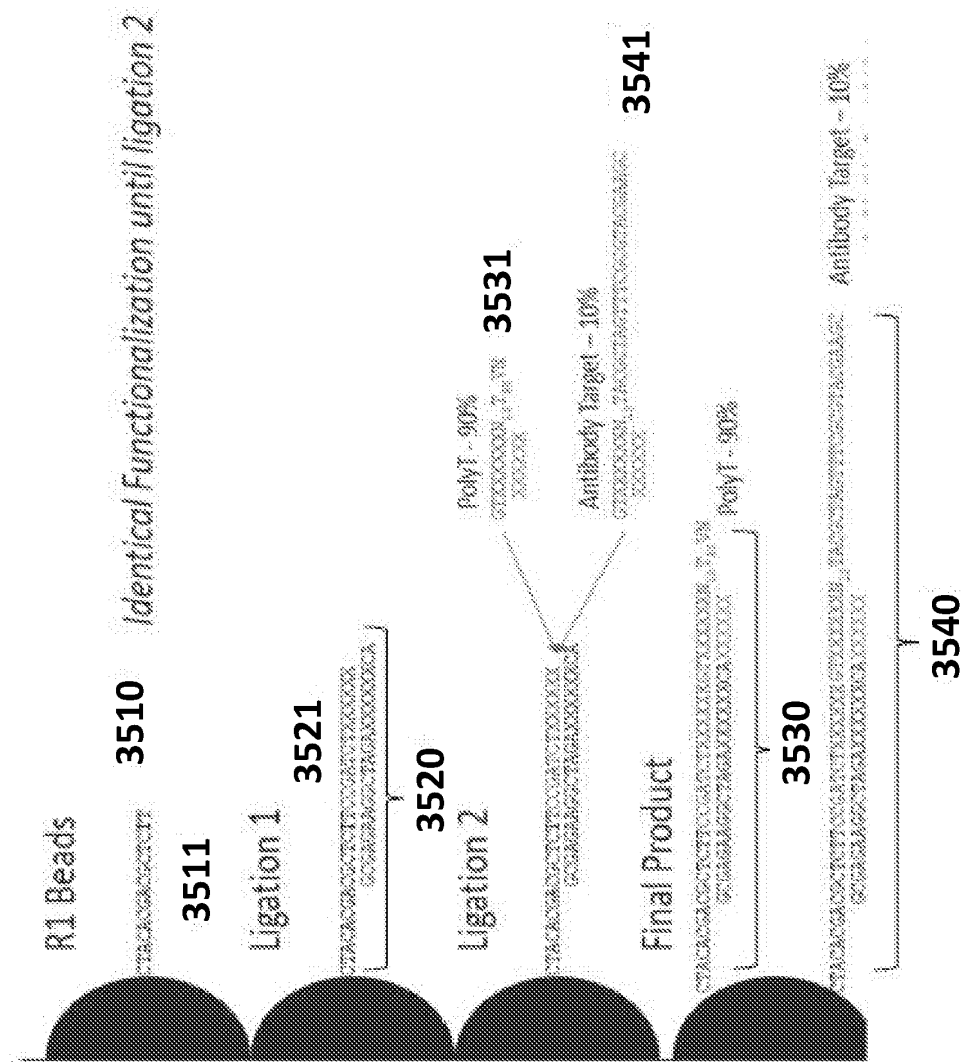
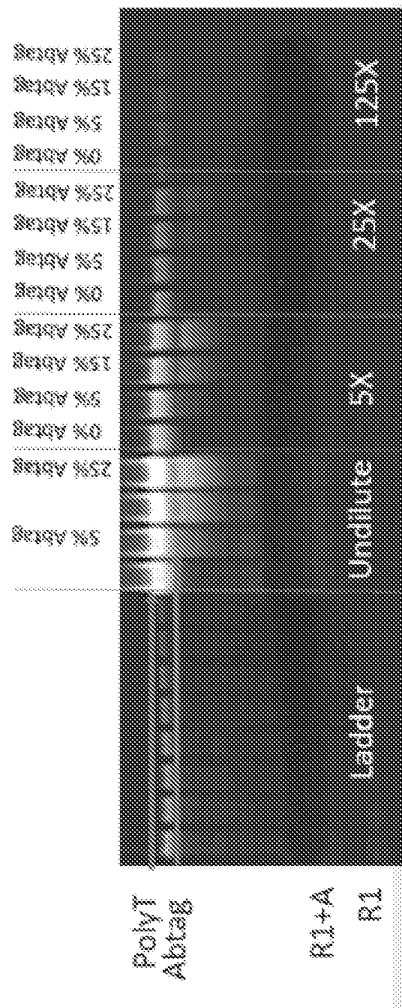
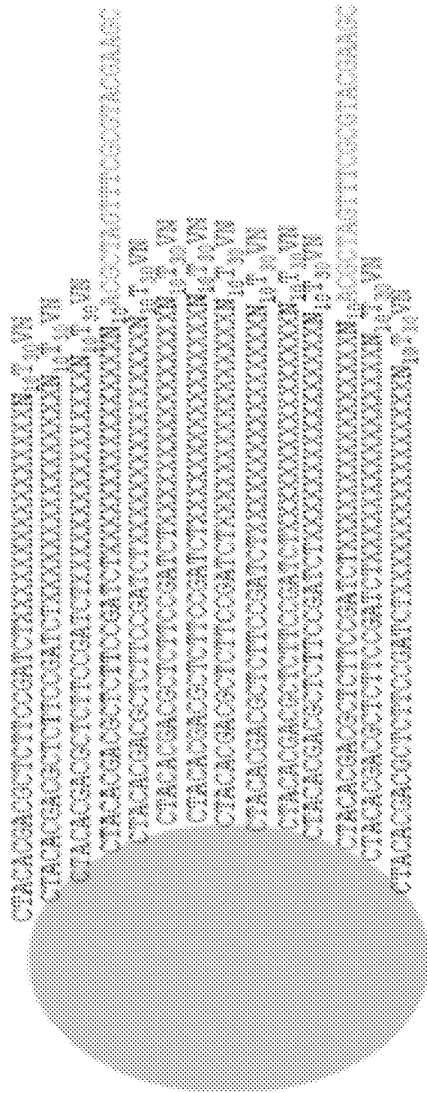


FIG. 35A



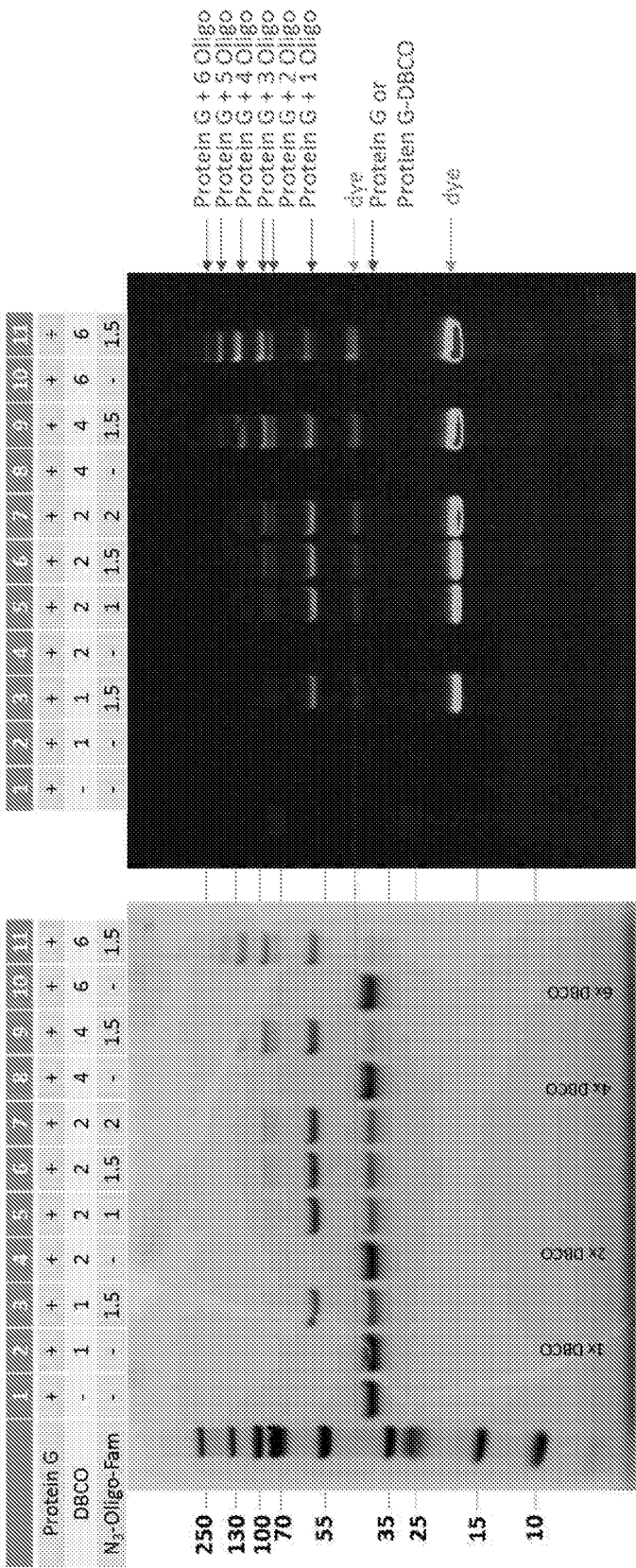
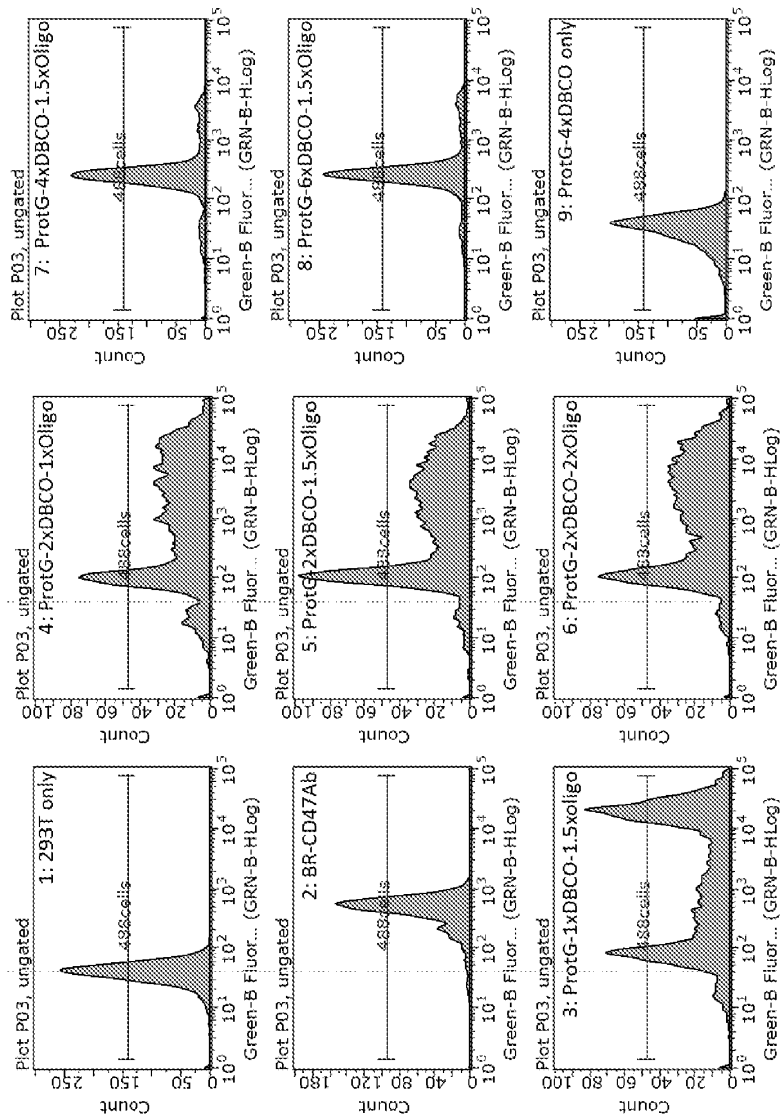


FIG. 36A

Relative Band % (Coomassie gel)							
MW (kDa)	Protein G	1x DBCO 1.5x oligo	2X DBCO			4x DBCO 1.5x oligo	6x DBCO 1.5x oligo
			1x oligo	1.5x oligo	2x oligo		
155.6							7.0
117.6						4.6	20.1
85.0			2.8	4.6	6.9	20.3	21.2
70.0			1.6	2.9	4.0	7.7	5.4
58.2		32.9	46.6	45.8	44.4	44.4	37.2
39.6	100	67.1	49.0	46.7	44.7	23.0	9.1

FIG. 36B

**FIG. 37A**

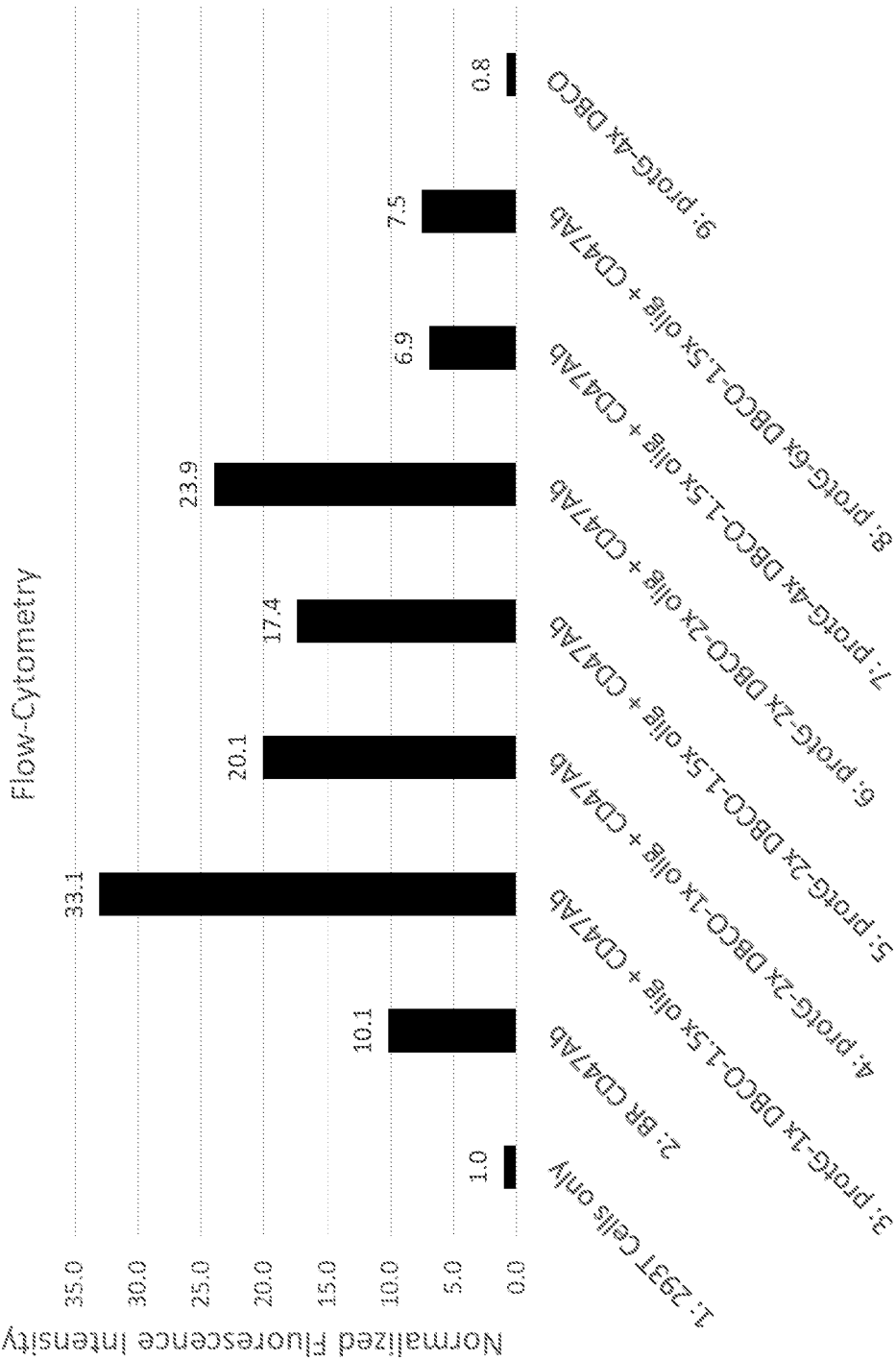
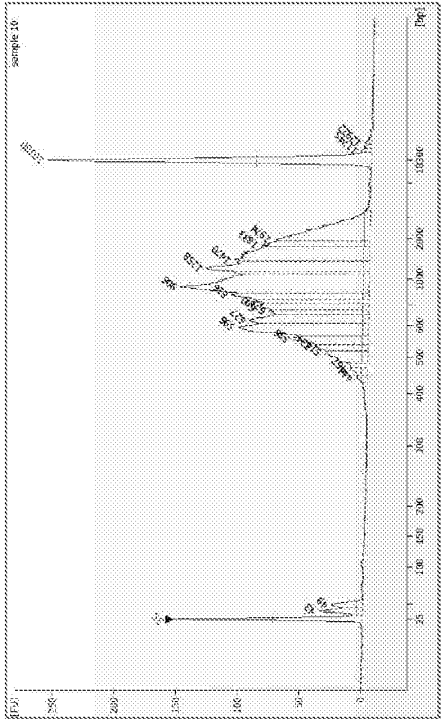


FIG. 37B

Typical trace of transcriptome cDNA



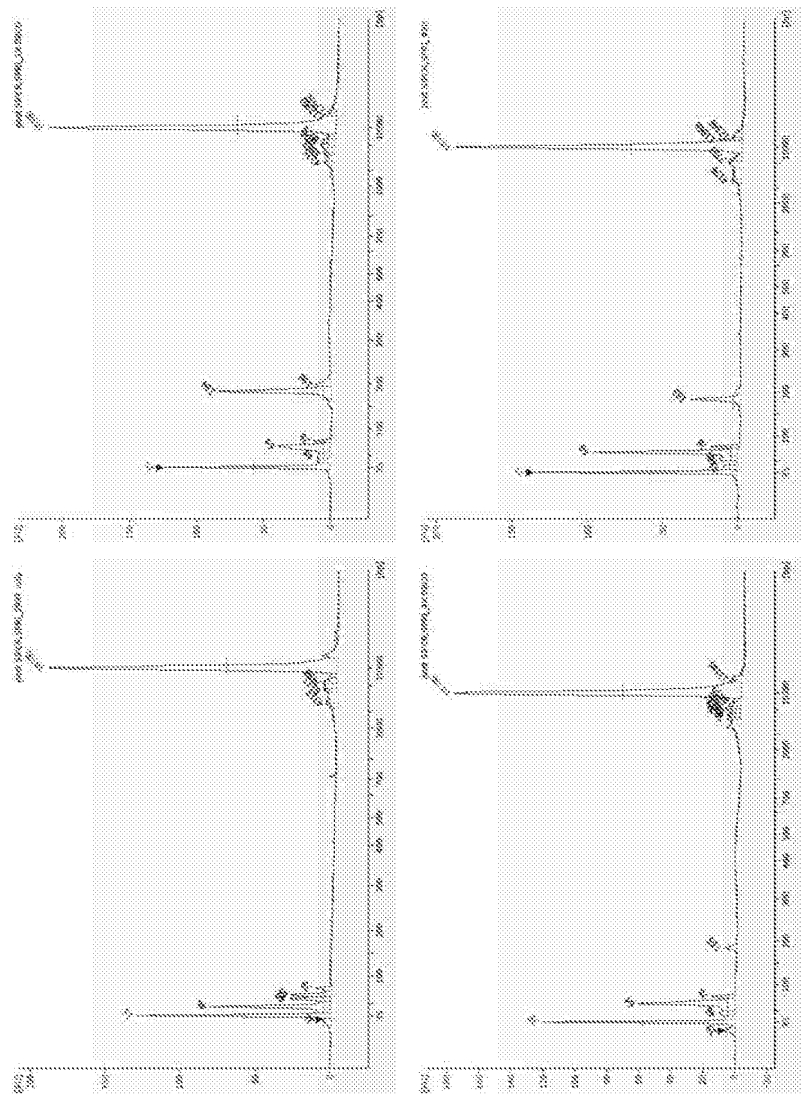
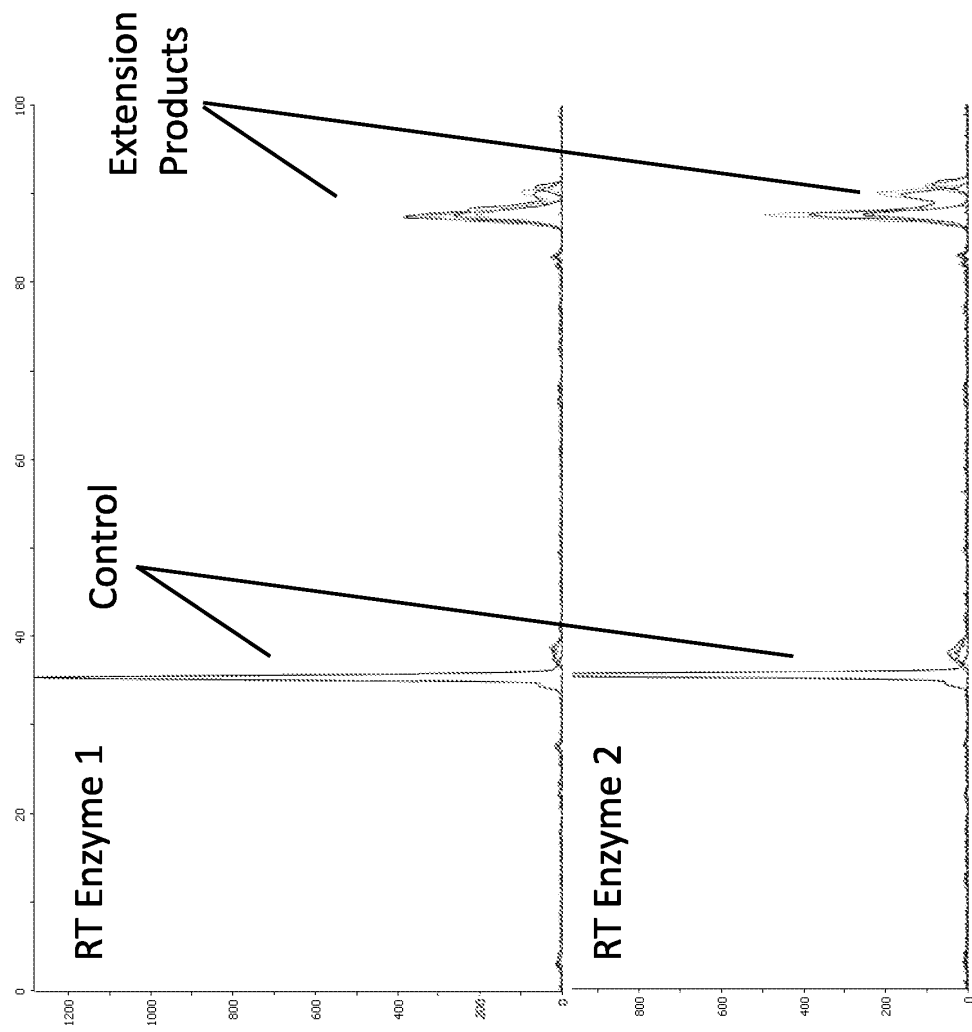
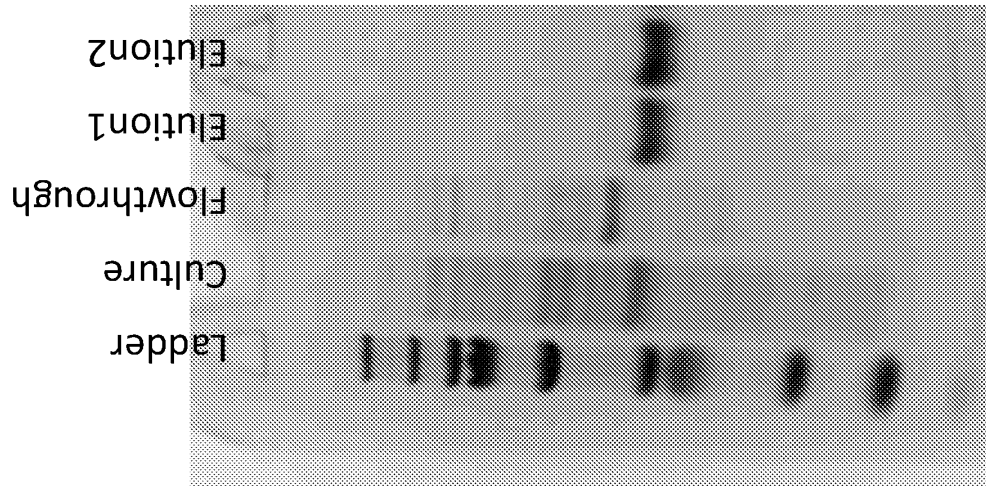


FIG. 38B

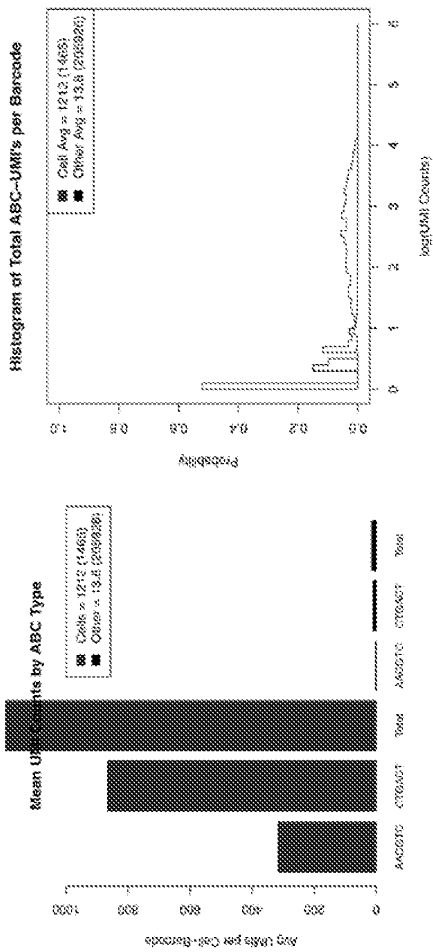
Description	Correted Area	Product Peak Size (bp)
293T Cells only	11.0	-
protG-1x DBCO-1.5x oligo + CD47Ab	178.4	184
protG-2x DBCO-2x oligo + CD47Ab	120.5	184
protG-4x DBCO-1.5x oligo + CD47Ab	17.6	185
protG-6x DBCO-1.5x oligo + CD47Ab	32.4	184
protG-TCO/mtet-10x oligo + CD47Ab	45.6	183
protG-oligo	5.0	-

FIG. 38C

**FIG. 39B**

**FIG. 40**

Jurkat + CD47/CD99



Jurkat + CD47

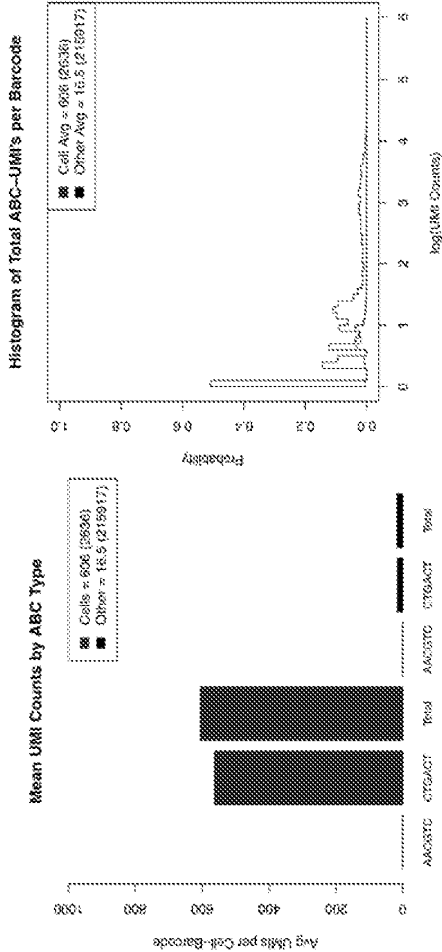


FIG. 41A

Sample	Sample ID	Avg UMIs Per Cell	Avg UMIs Per Other	BC3 per cell	BC3 per cell	BC3 per cell	Total # of cell BCs detected in AbBC exp	# cells, SCS	# cells, AbBC topN [~w cells, SCS]	AbBC topN cells / SCS cells	AbBC called cells	AbBC cells / SCS cells	SCS cells / AbBC topN / SCS cells	BCAb cells / SCS cells / AbBC cells
Unbiased Jurkat + BC3	33600	498	13.9	63547	63547	63547	178481	1419	1418	378	1852	370	0.27	0.27
Unbiased Jurkat + BC3/4	33601	577	17.1	247587	247587	247587	176514	1141	1141	368	992	316	0.32	0.32
Unbiased Jurkat + BC4	33602	996	9.13	1474578	1474578	1474578	188263	1505	1504	863	1193	762	0.57	0.56
Unbiased Jurkat spike BC3/4	33003	36.8	14.1	1163	1163	1163	206337	1896	1890	103	62831	1570	0.05	0.03

FIG. 41B

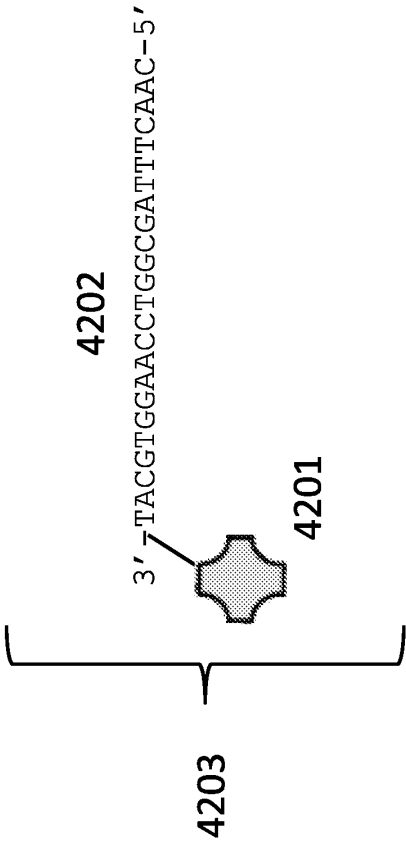


FIG. 42A

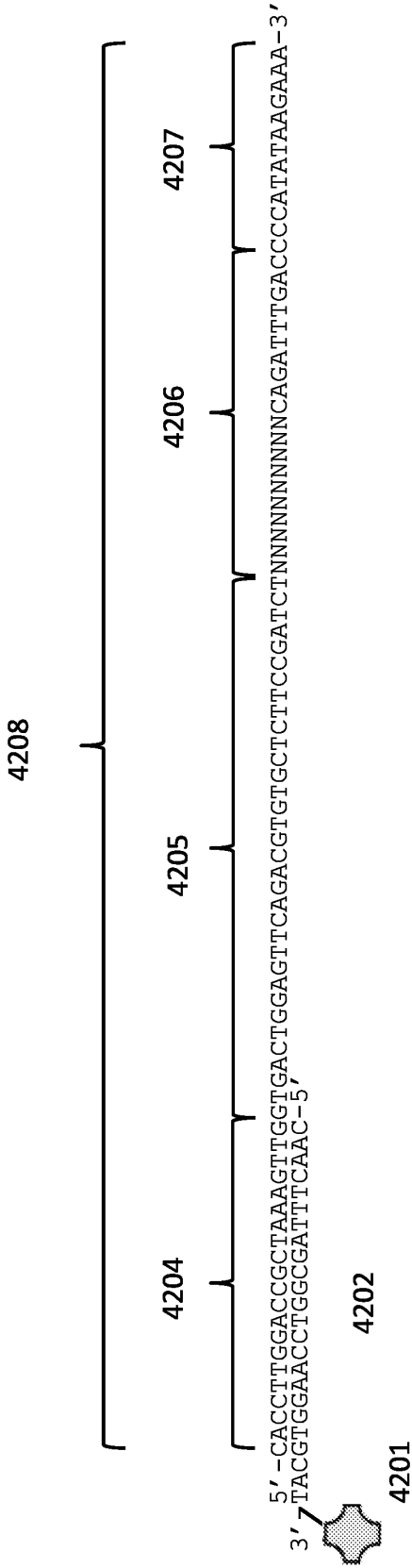


FIG. 42B

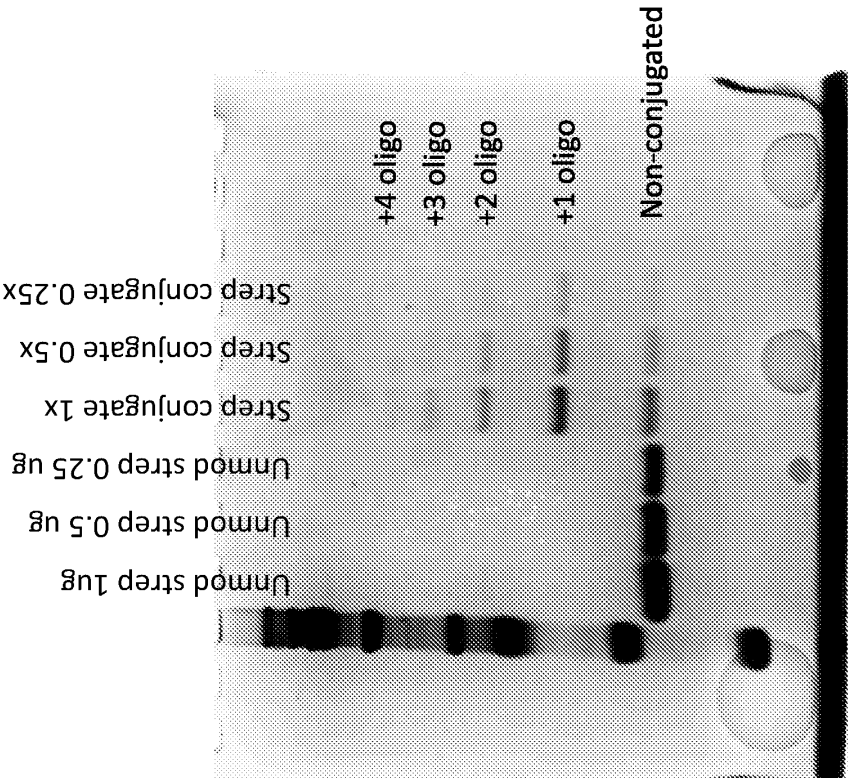


FIG. 43B

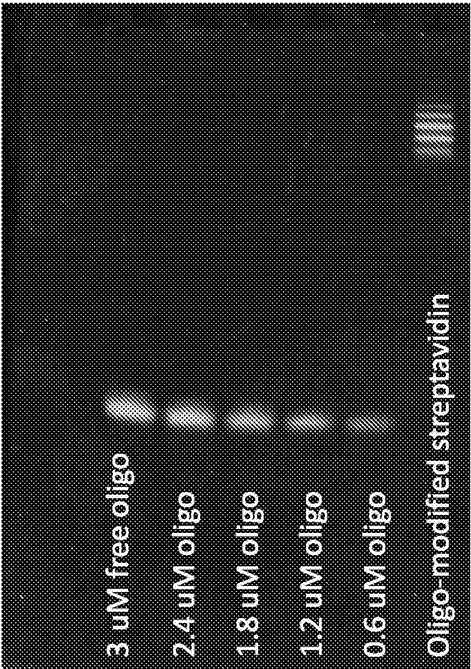
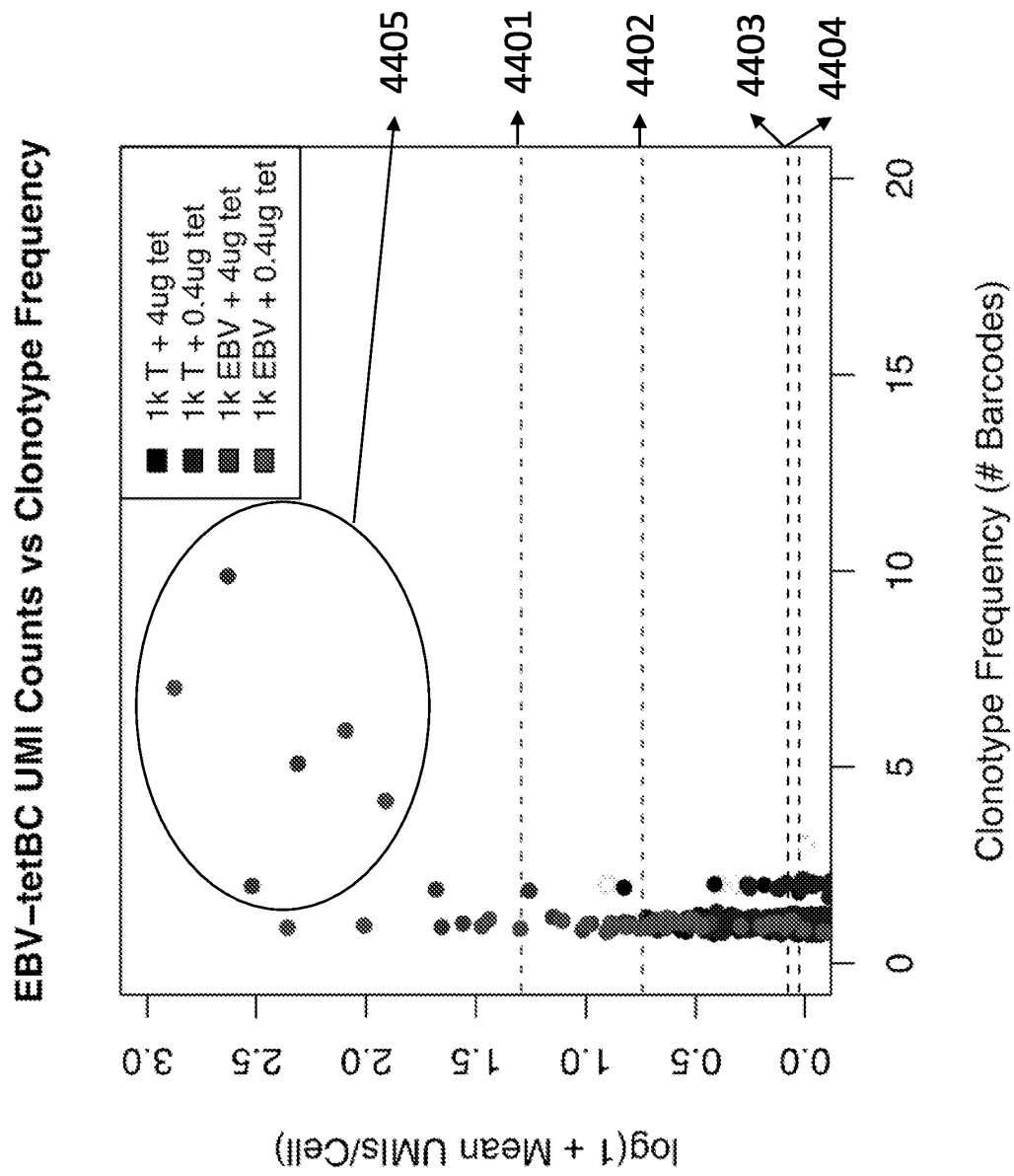
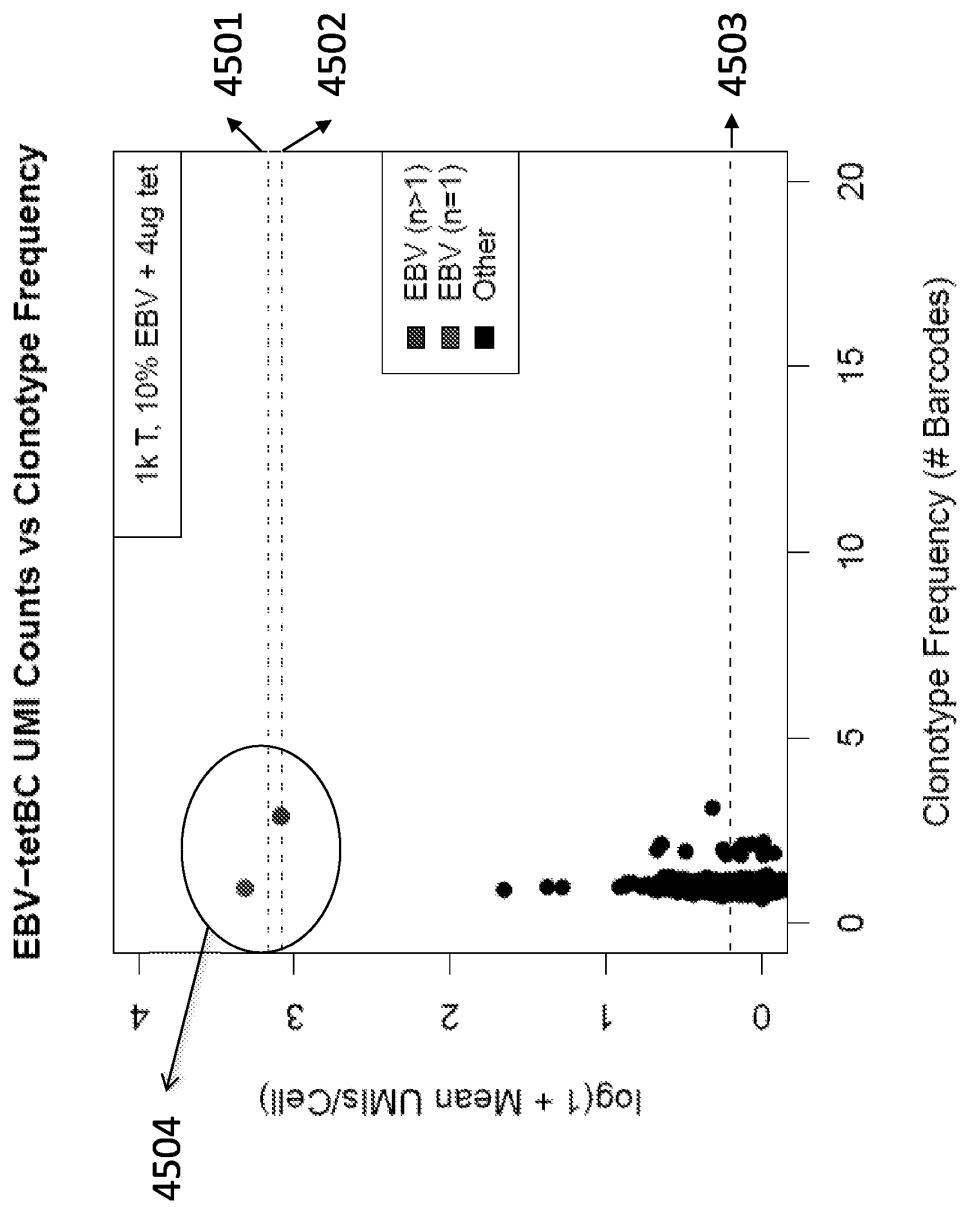


FIG. 43A

**FIG. 44**

**FIG. 45**

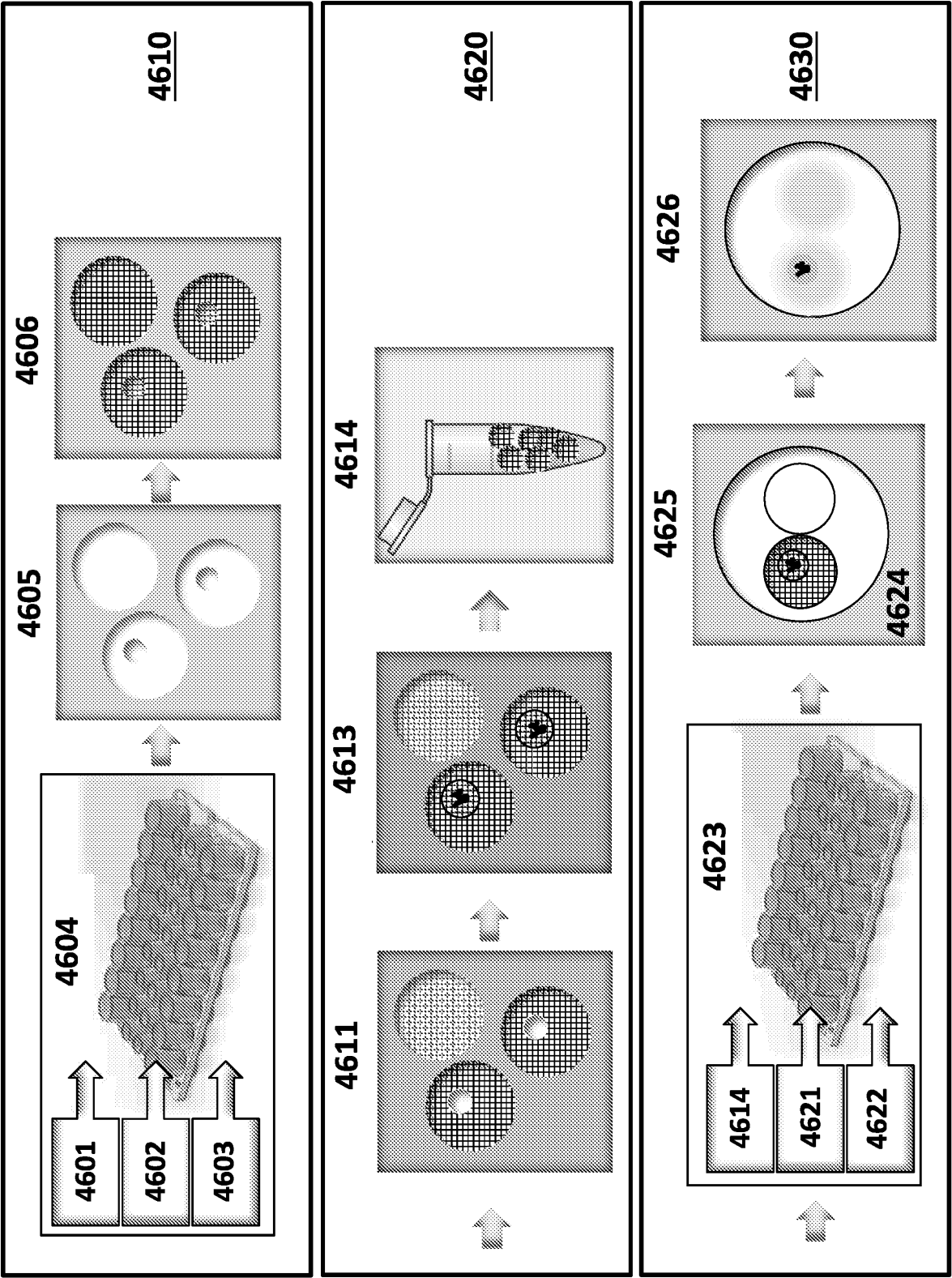


FIG. 46A

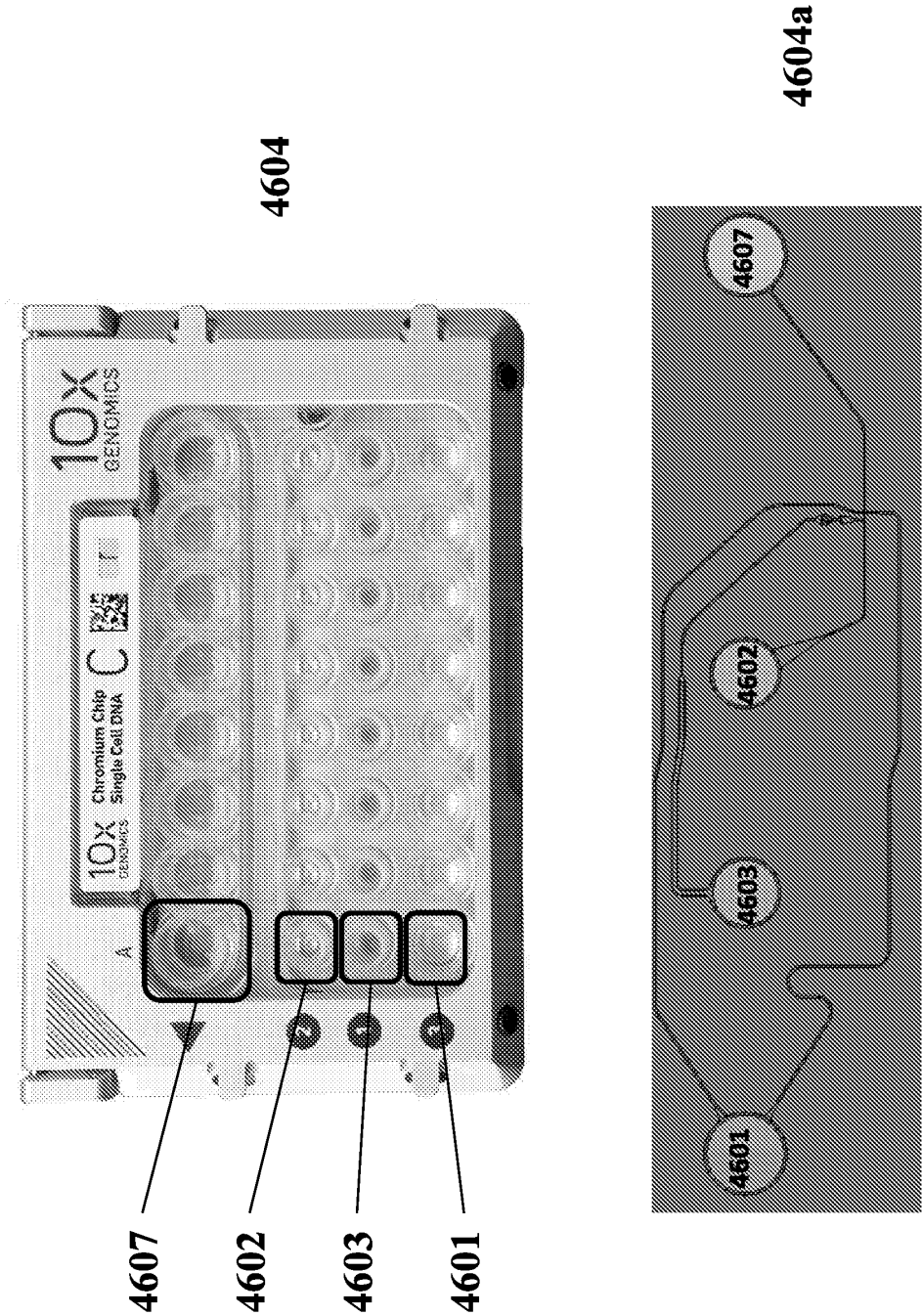


FIG. 46B

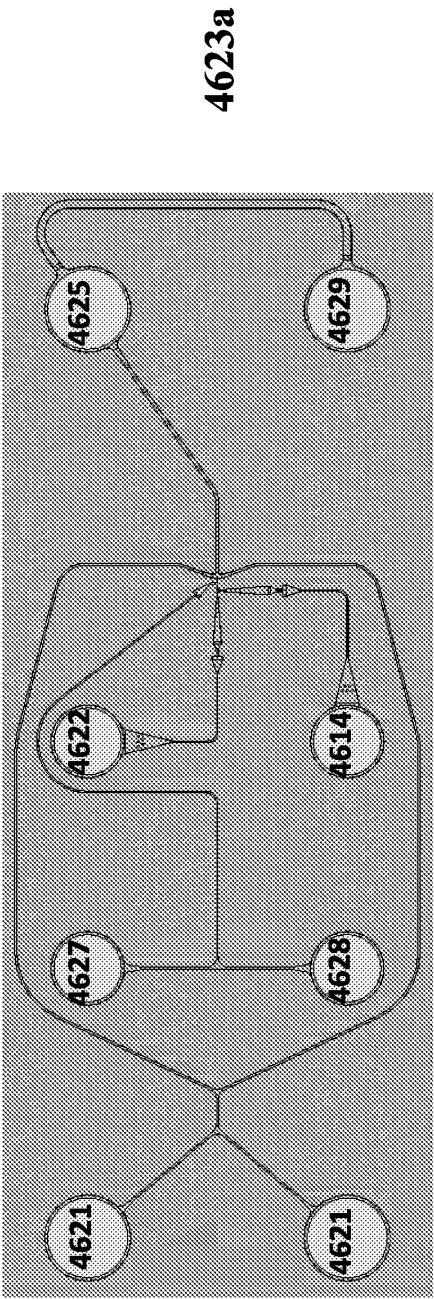
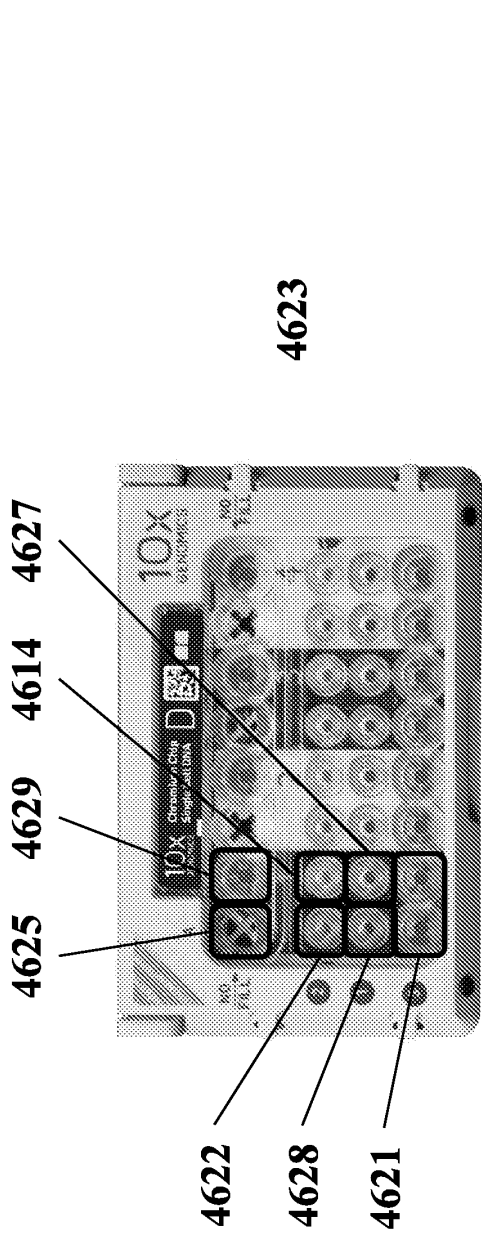


FIG. 46C

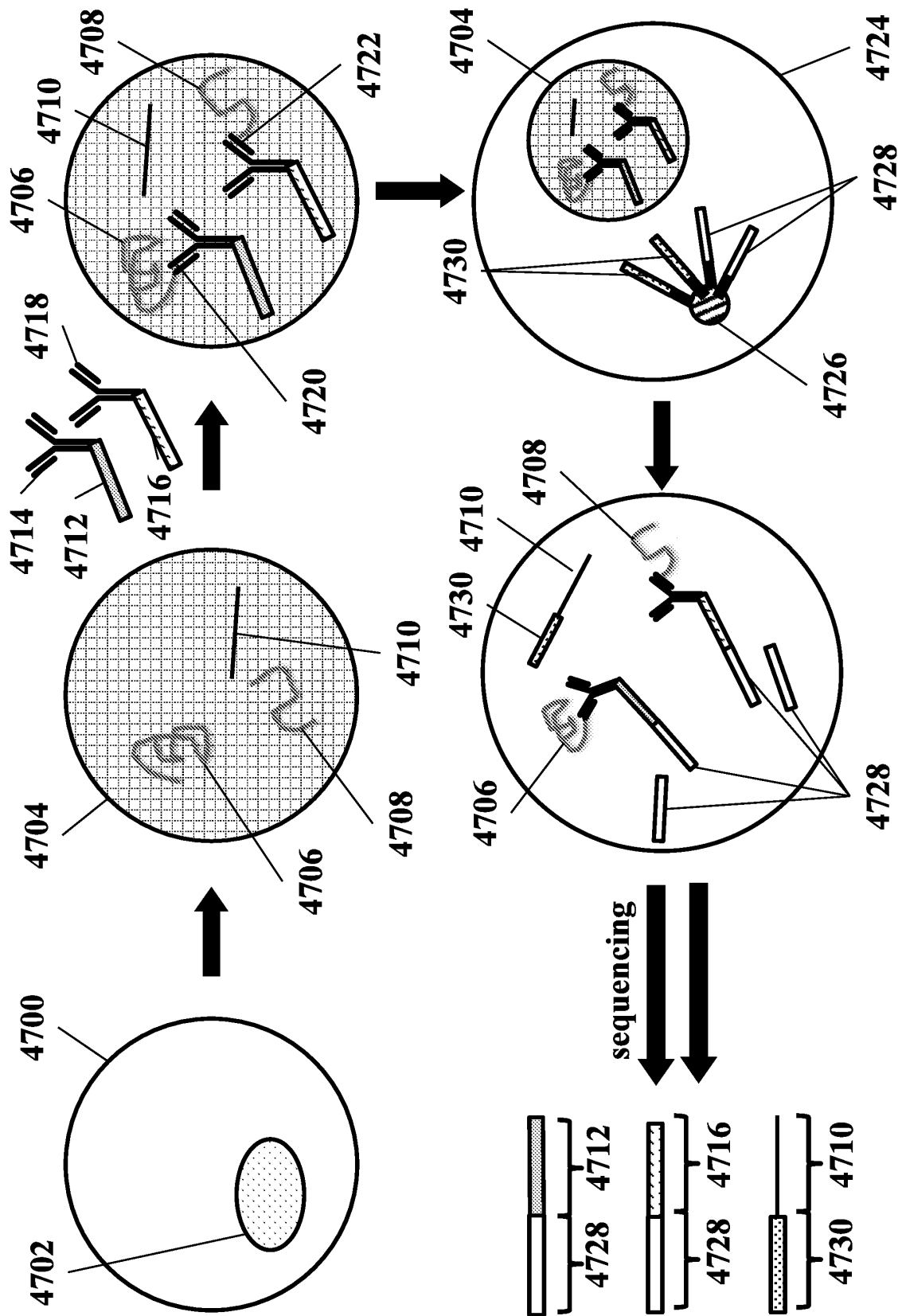
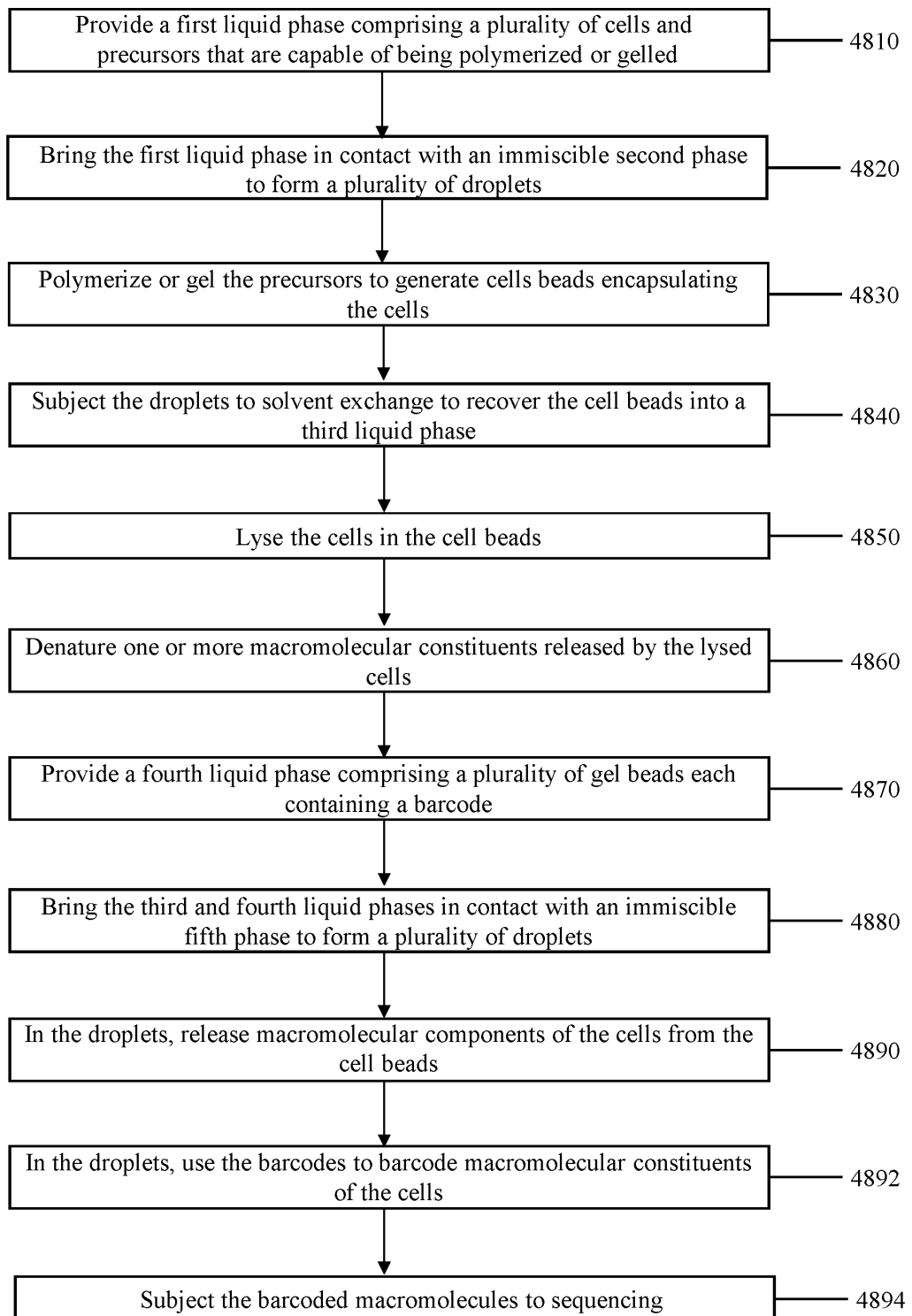
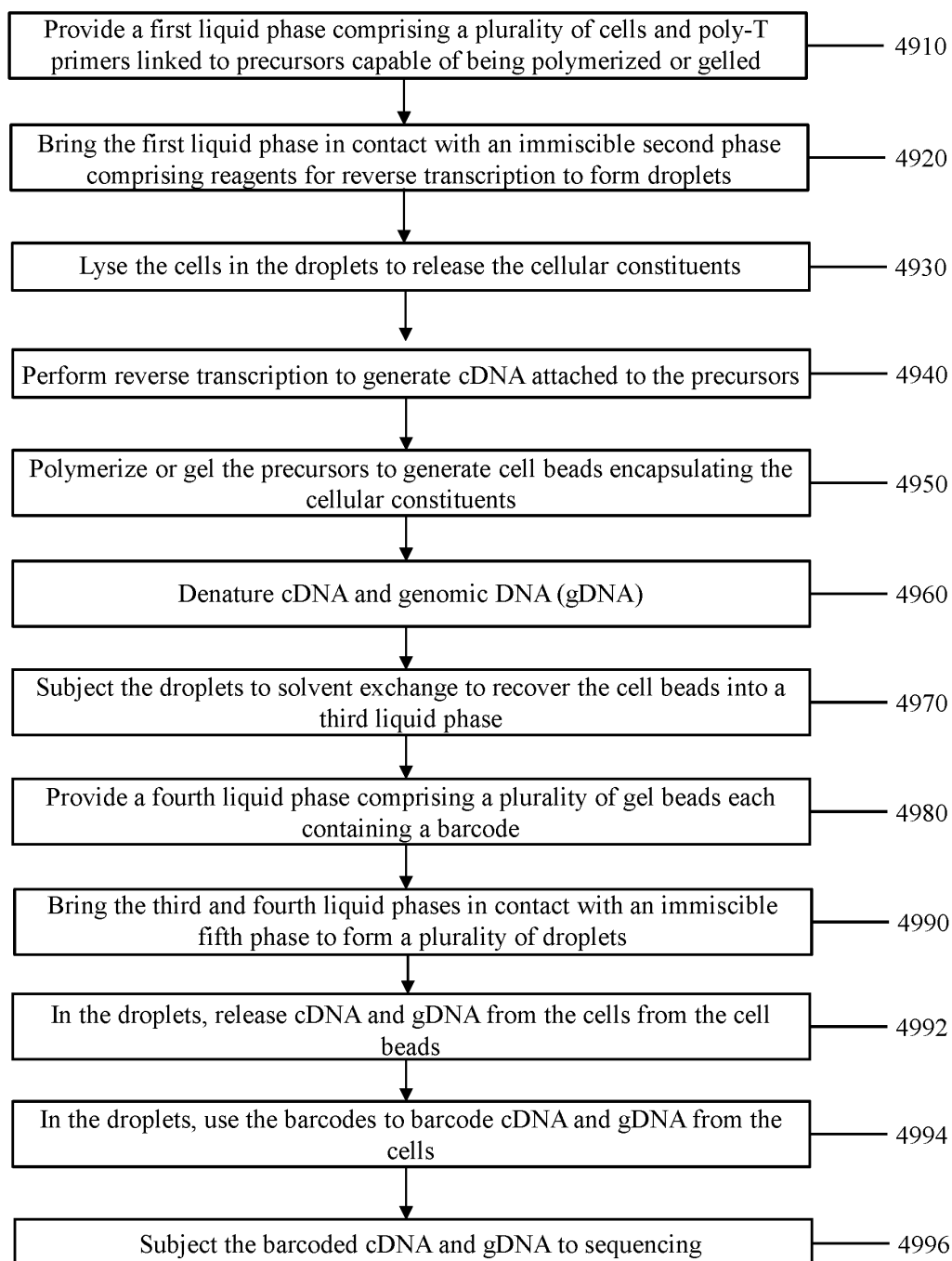


FIG. 47

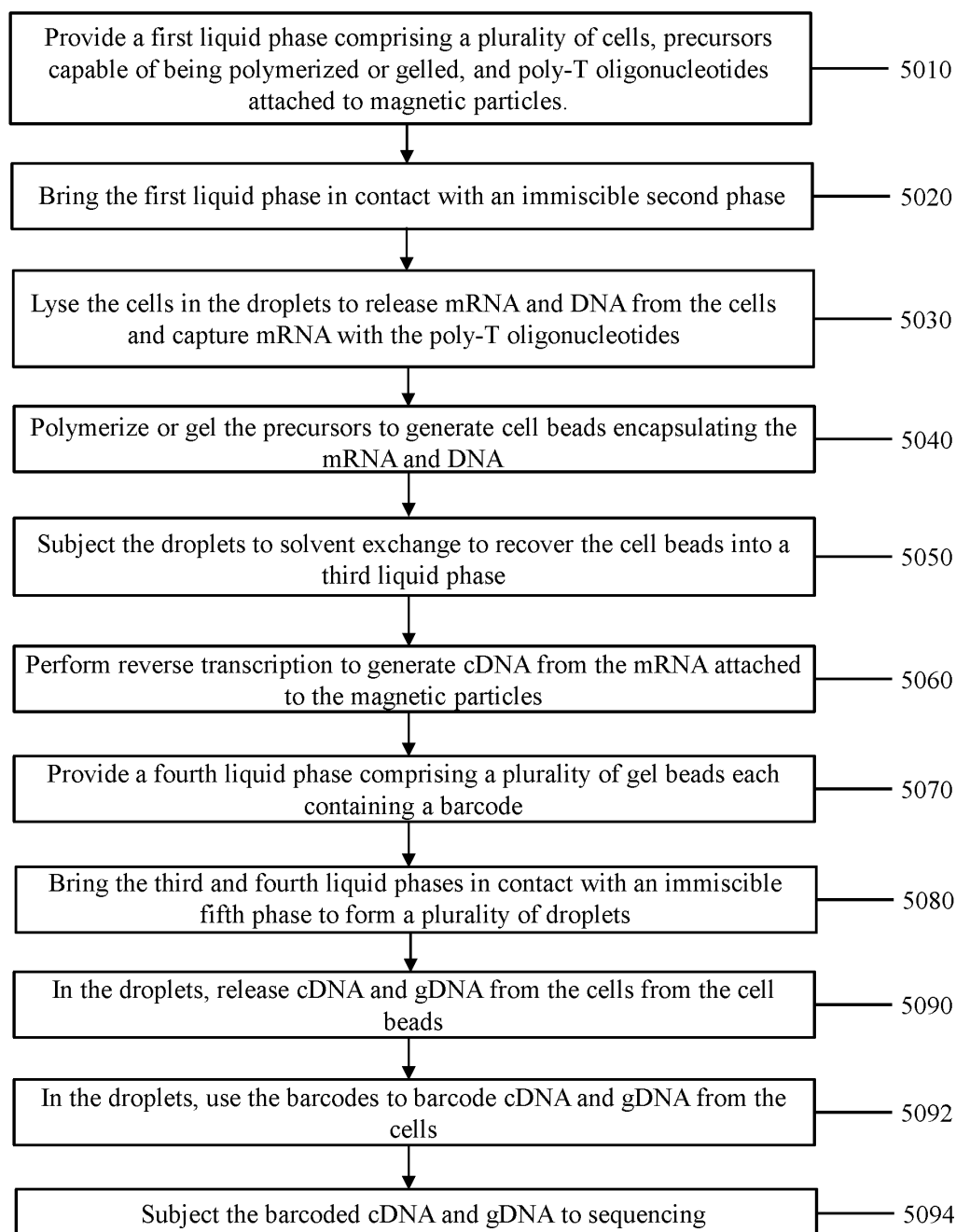
4800

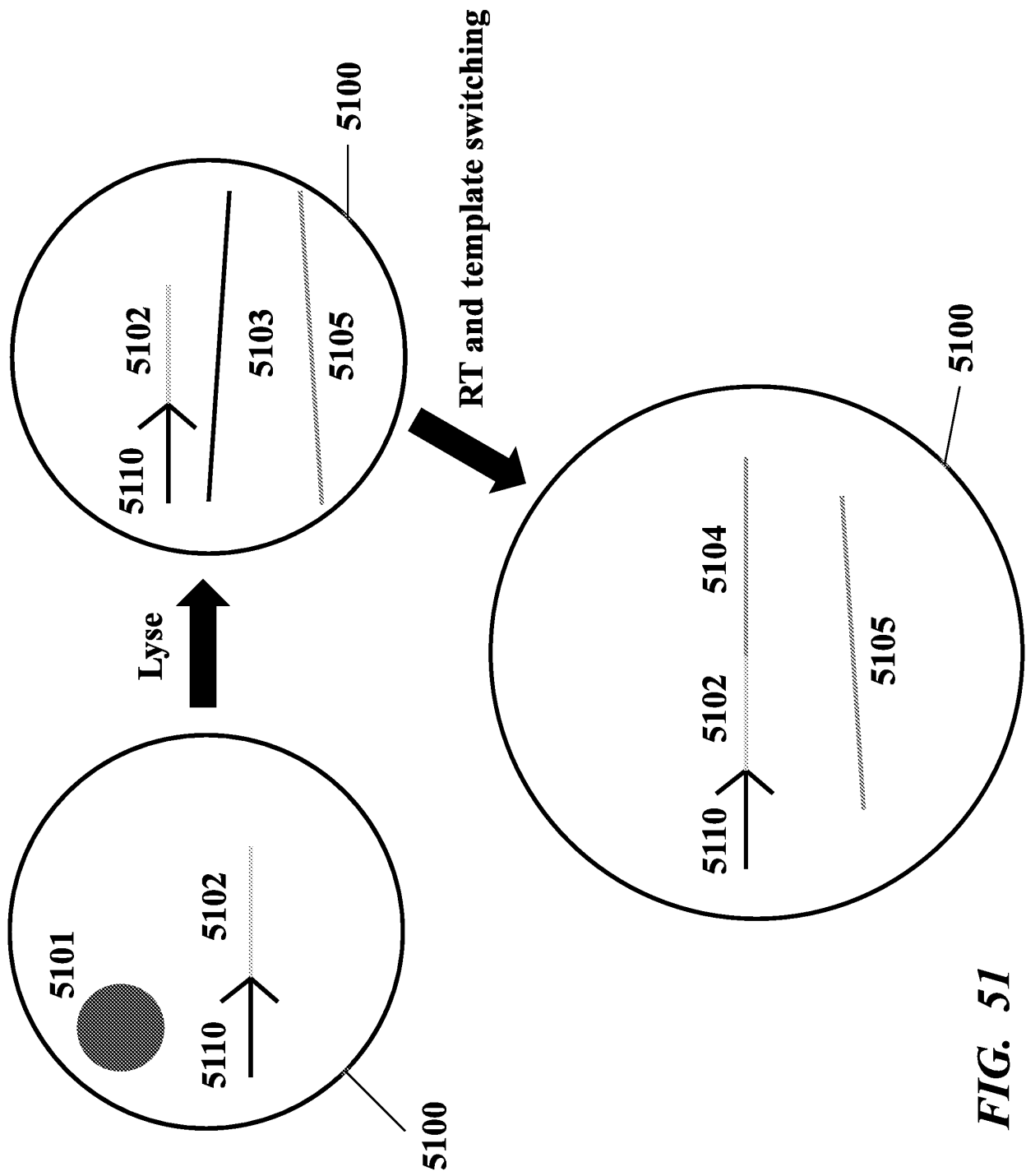
**FIG. 48**

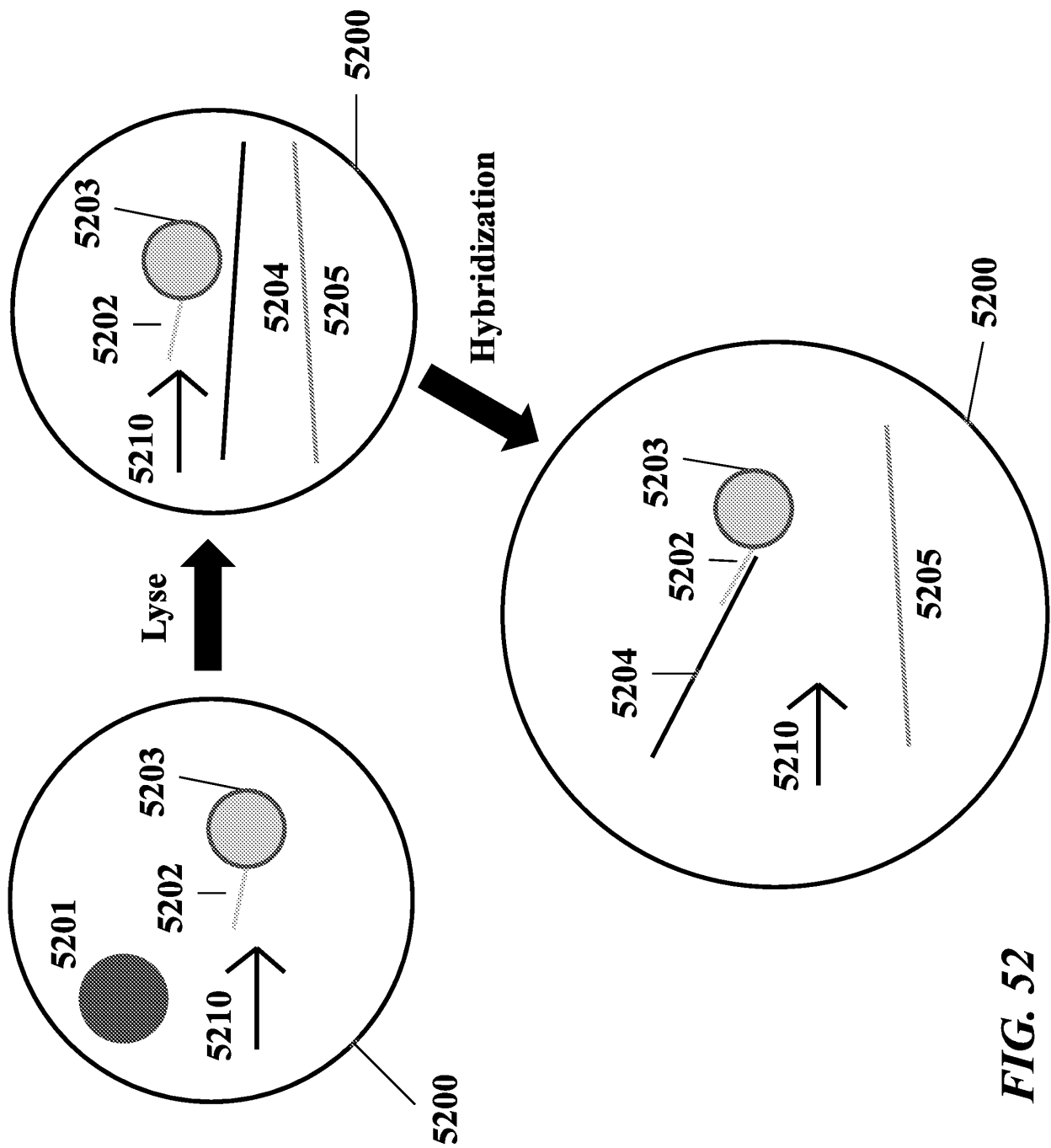
4900

**FIG. 49**

5000

**FIG. 50**

**FIG. 51**

**FIG. 52**

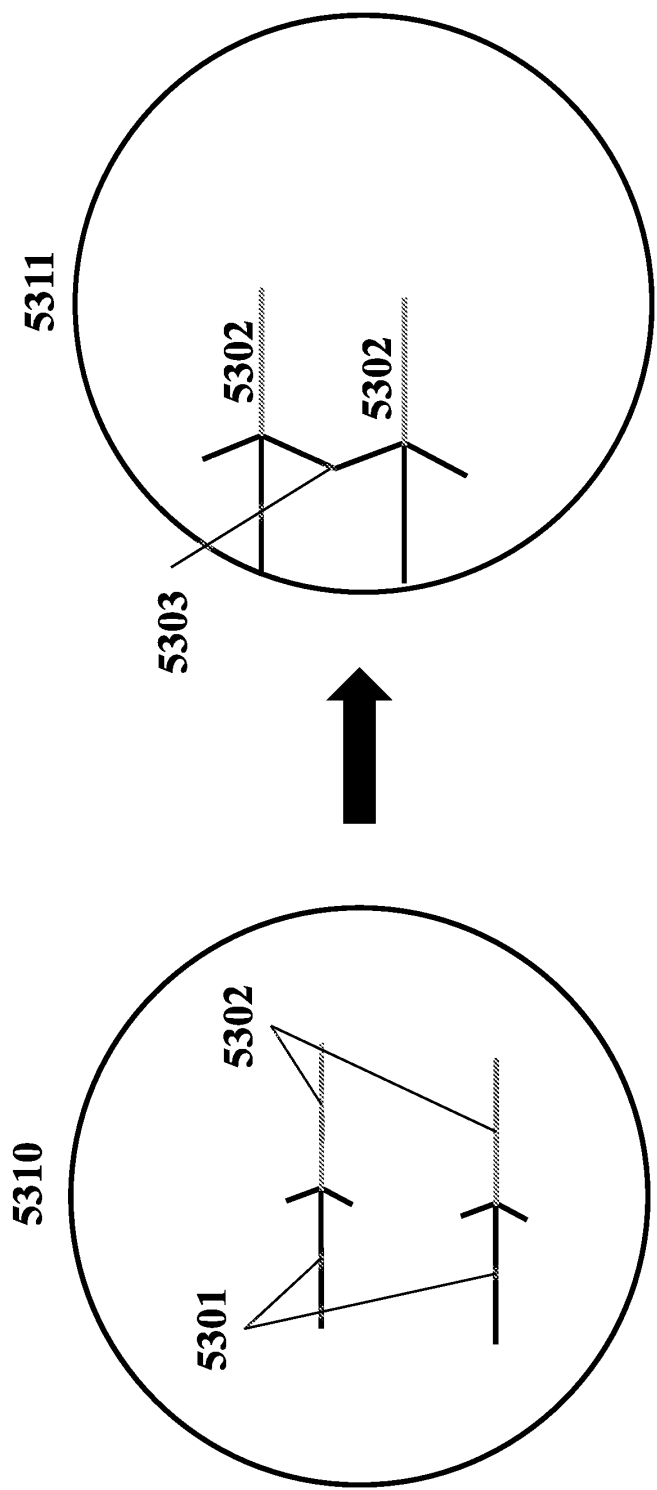


FIG. 53

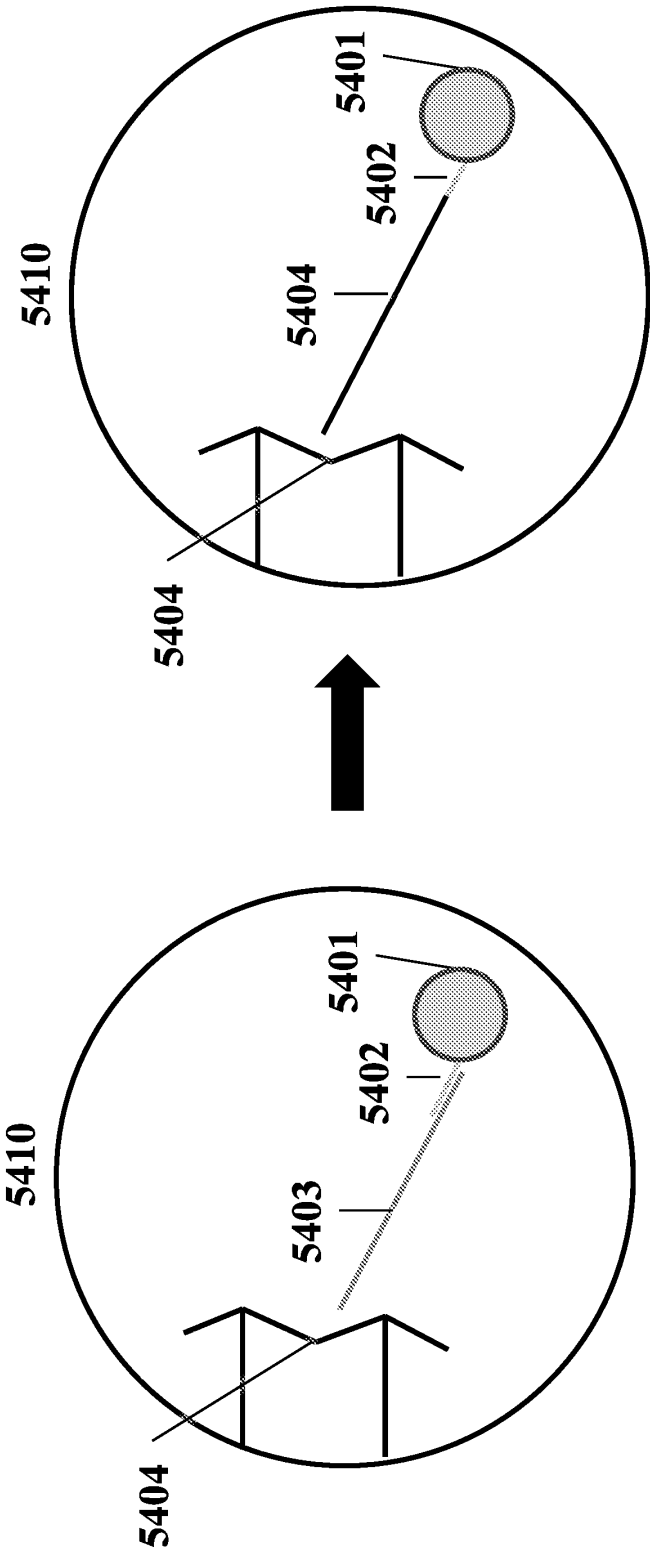


FIG. 54

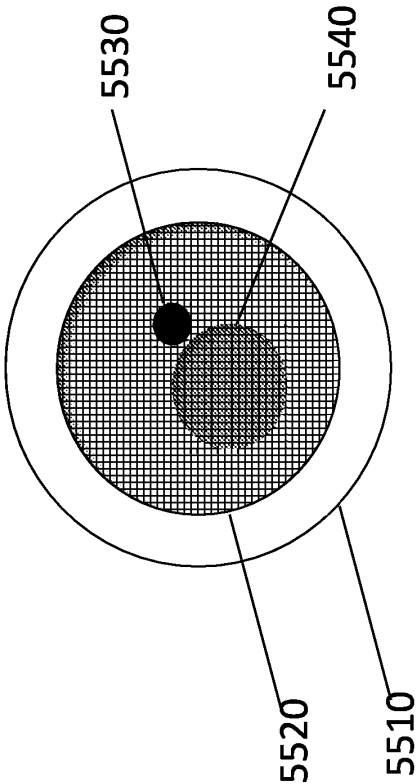


FIG. 55A

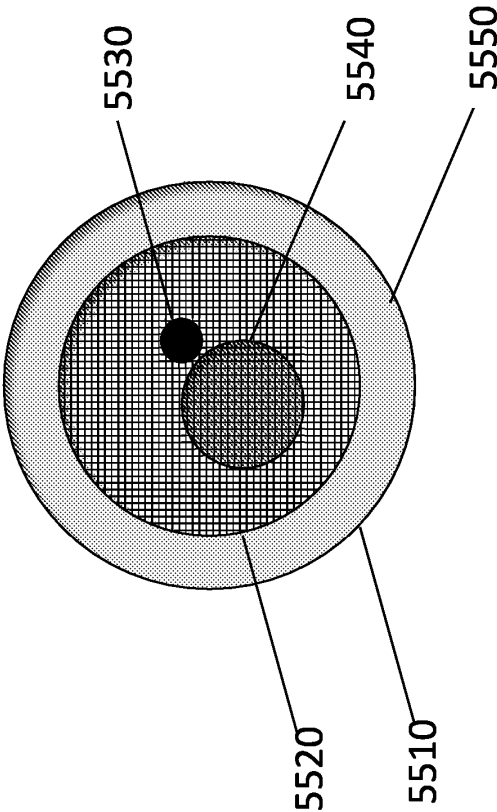


FIG. 55B

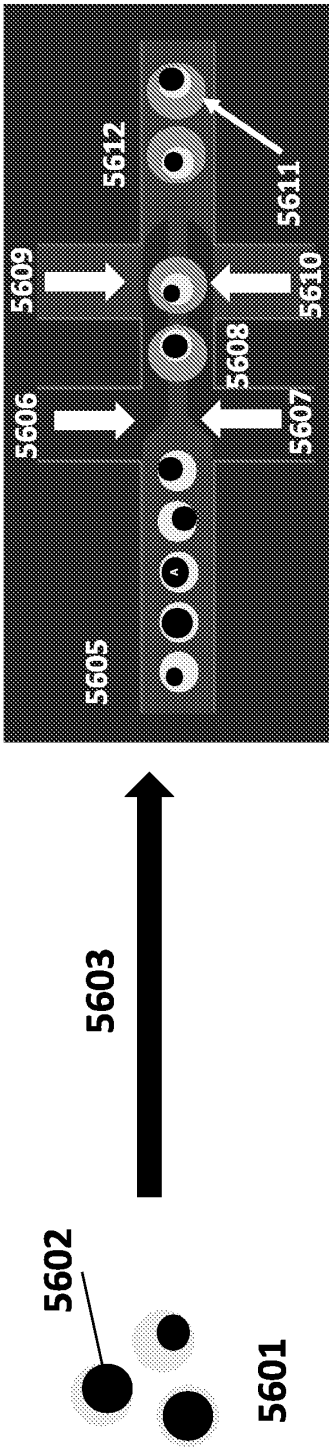


FIG. 56A

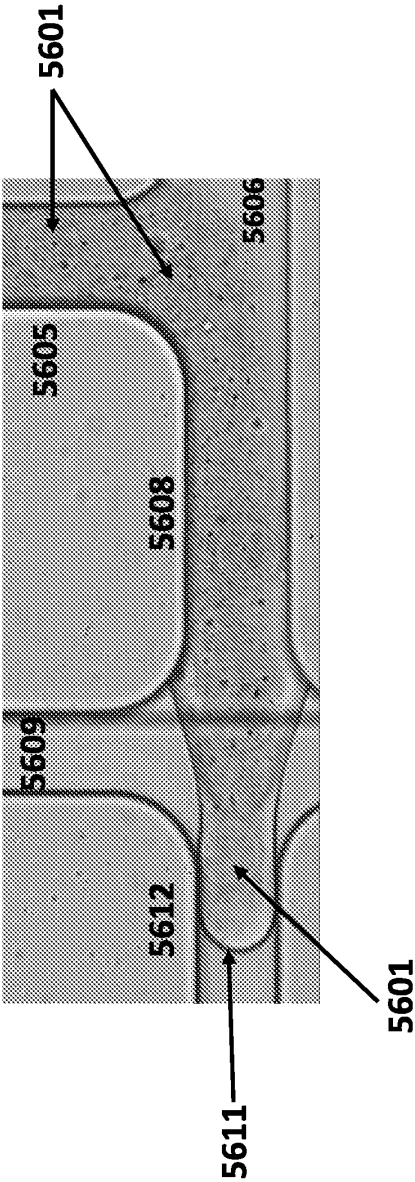
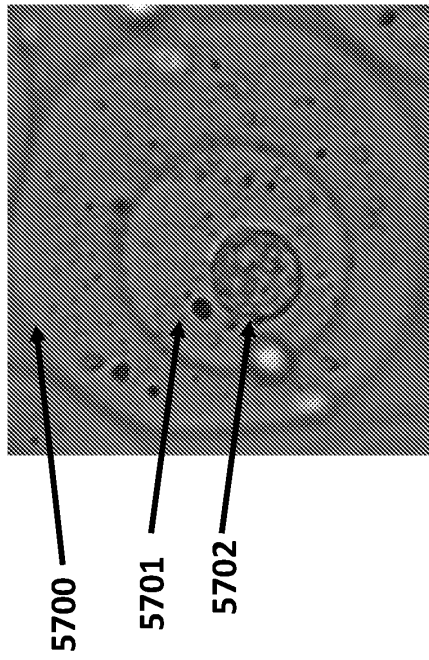
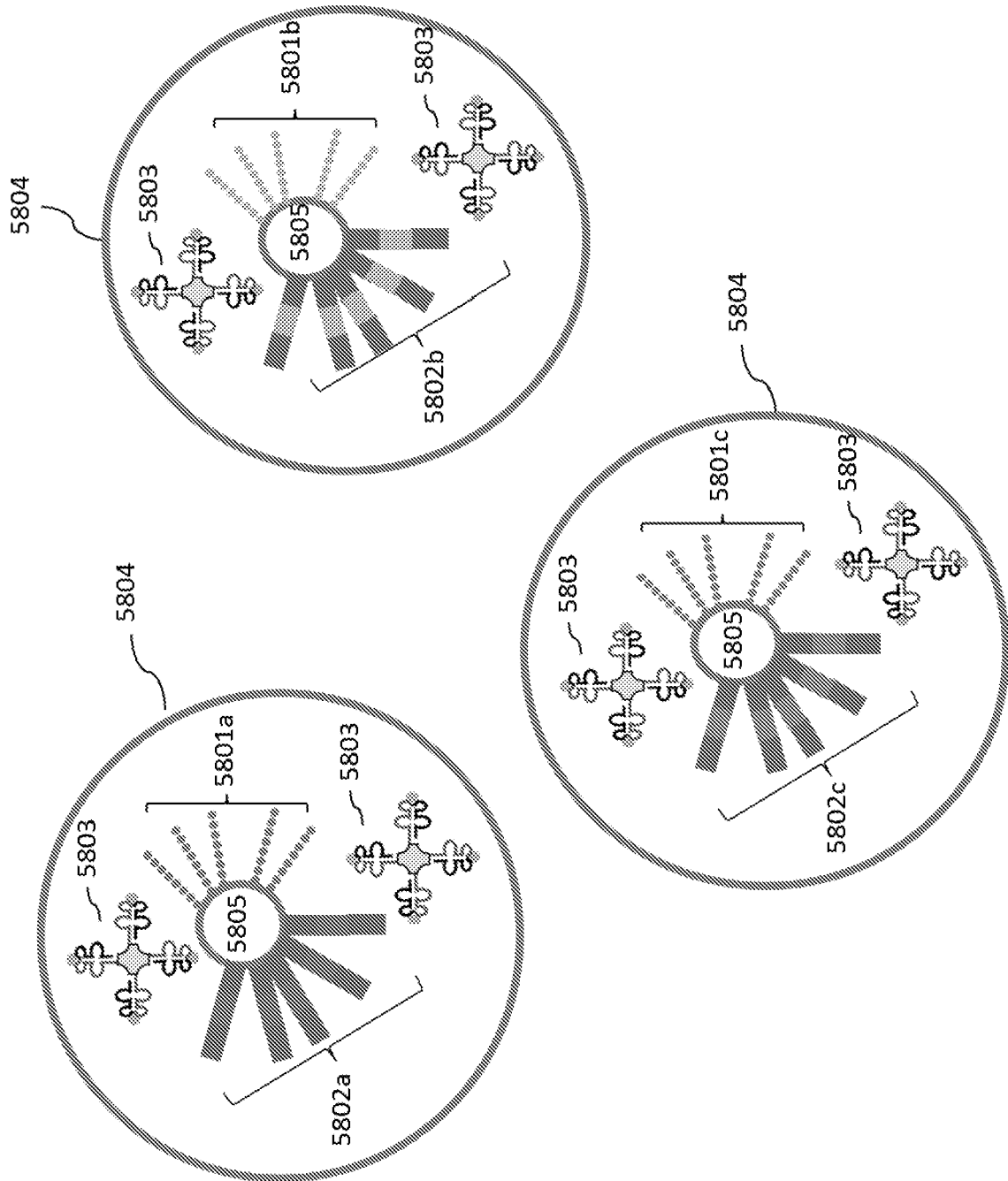
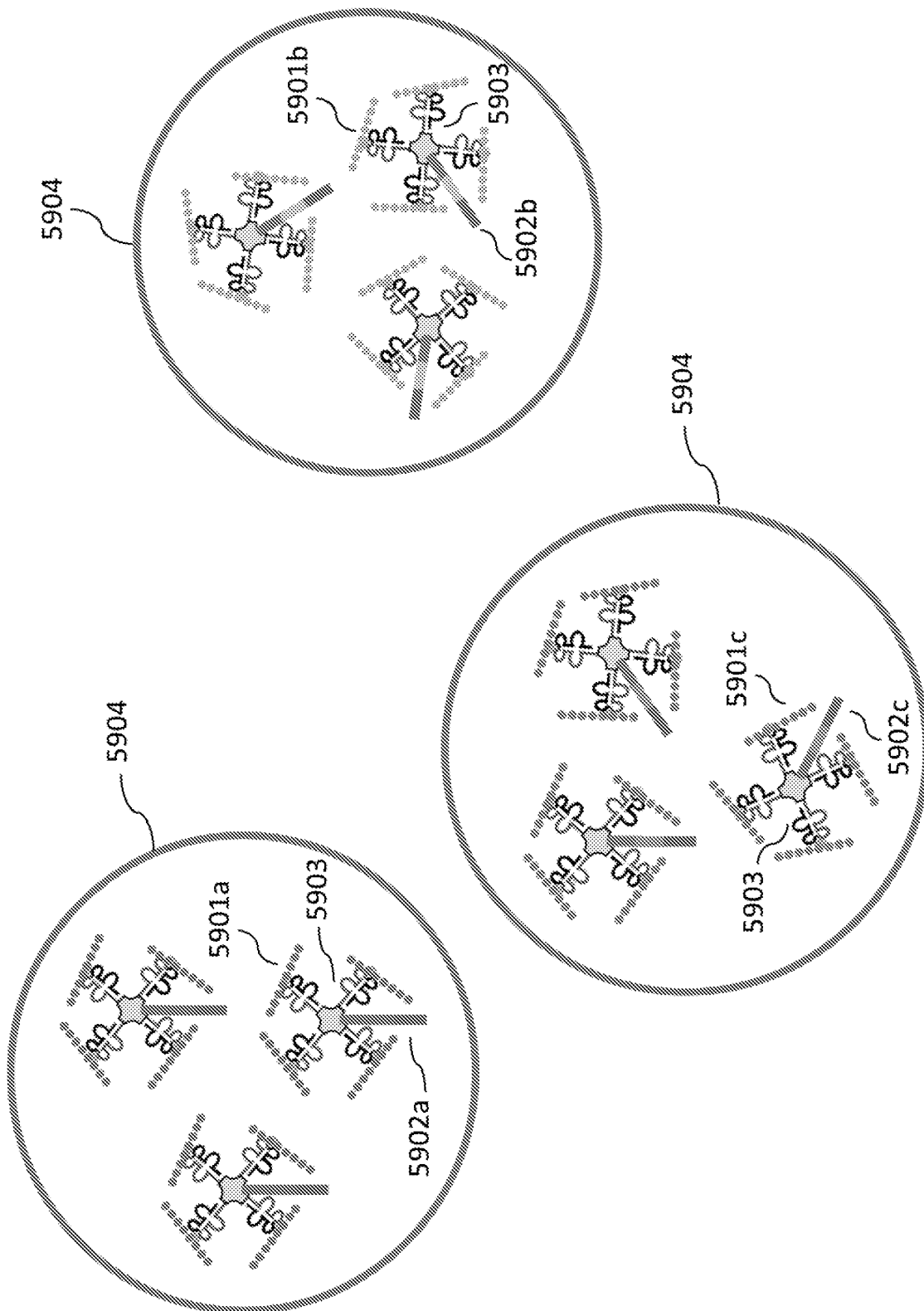
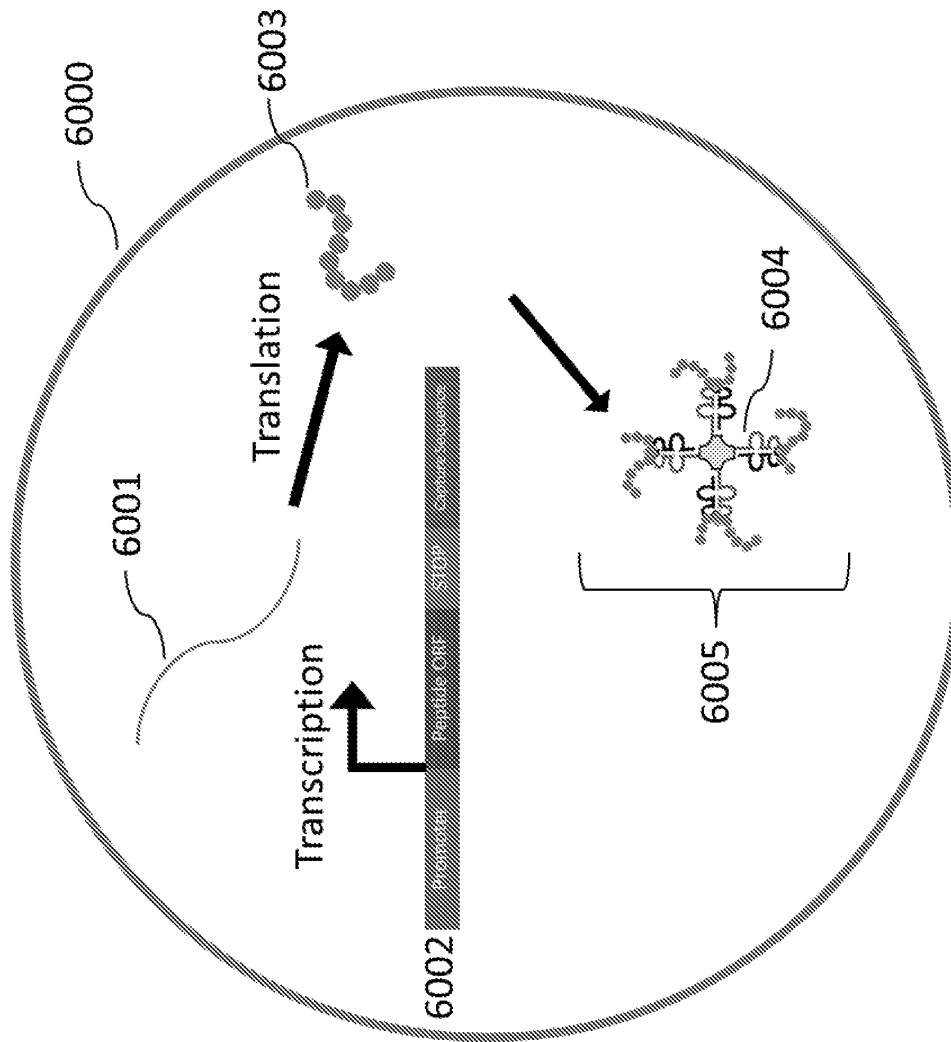


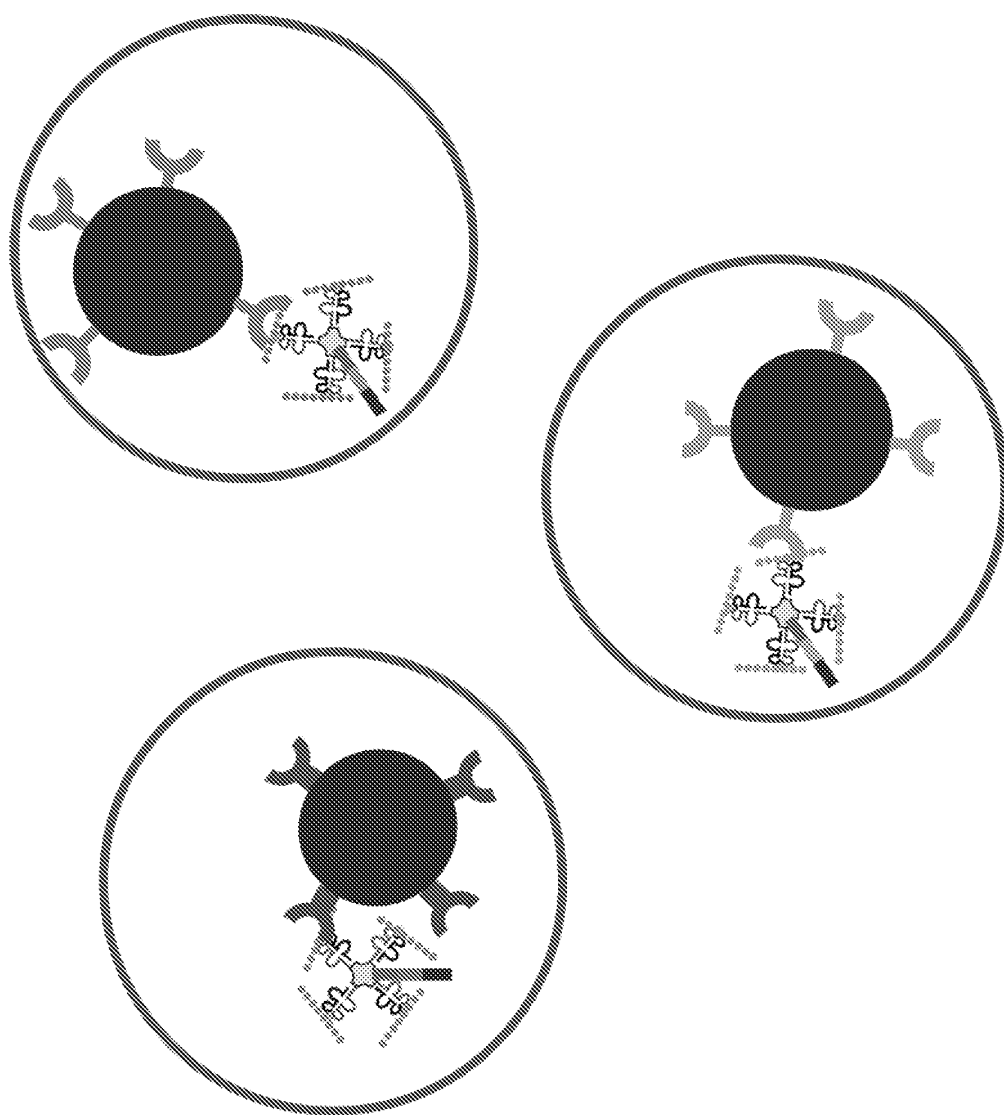
FIG. 56B

**FIG. 57**

**FIG. 58**

**FIG. 59**

**FIG. 60**



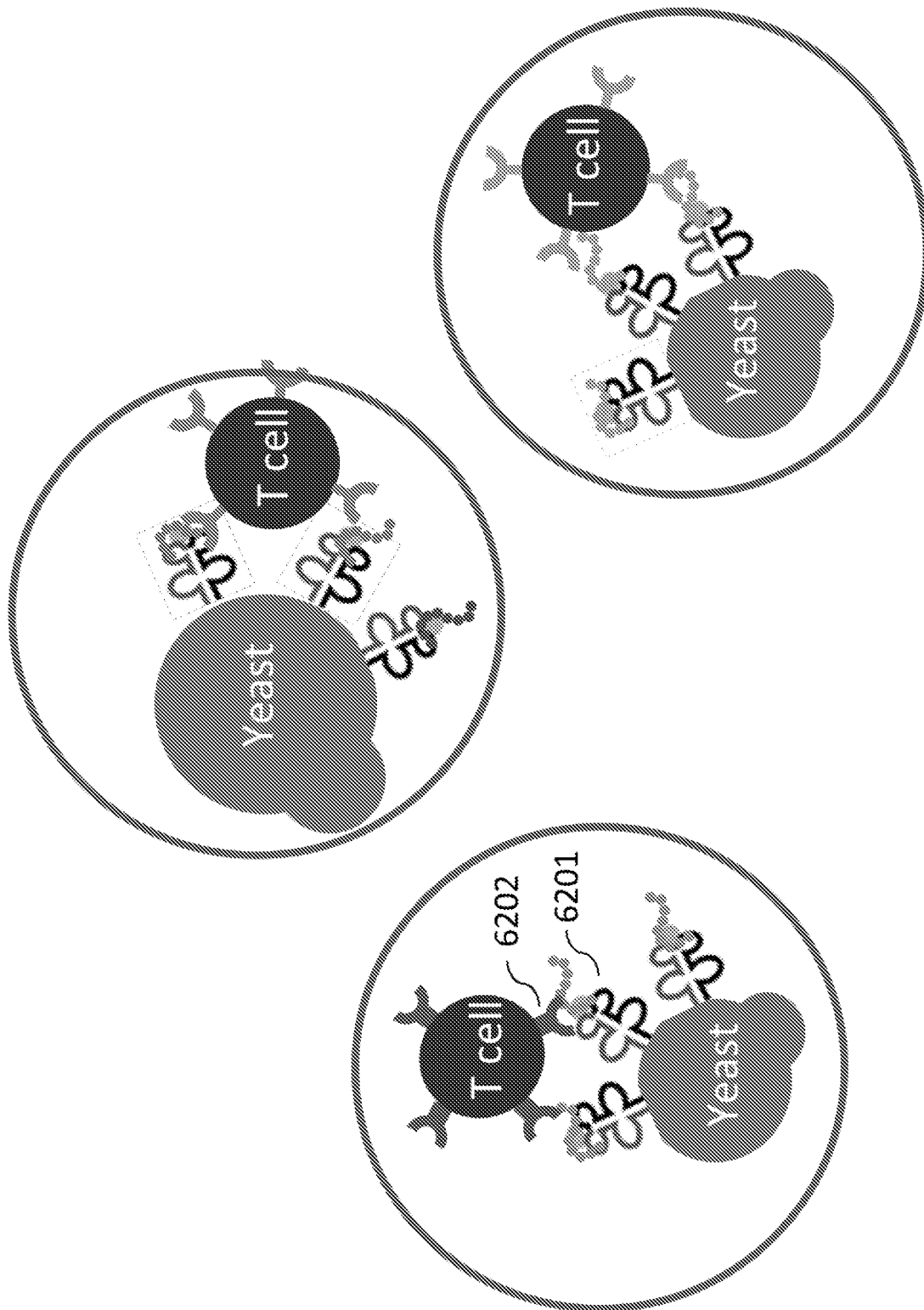
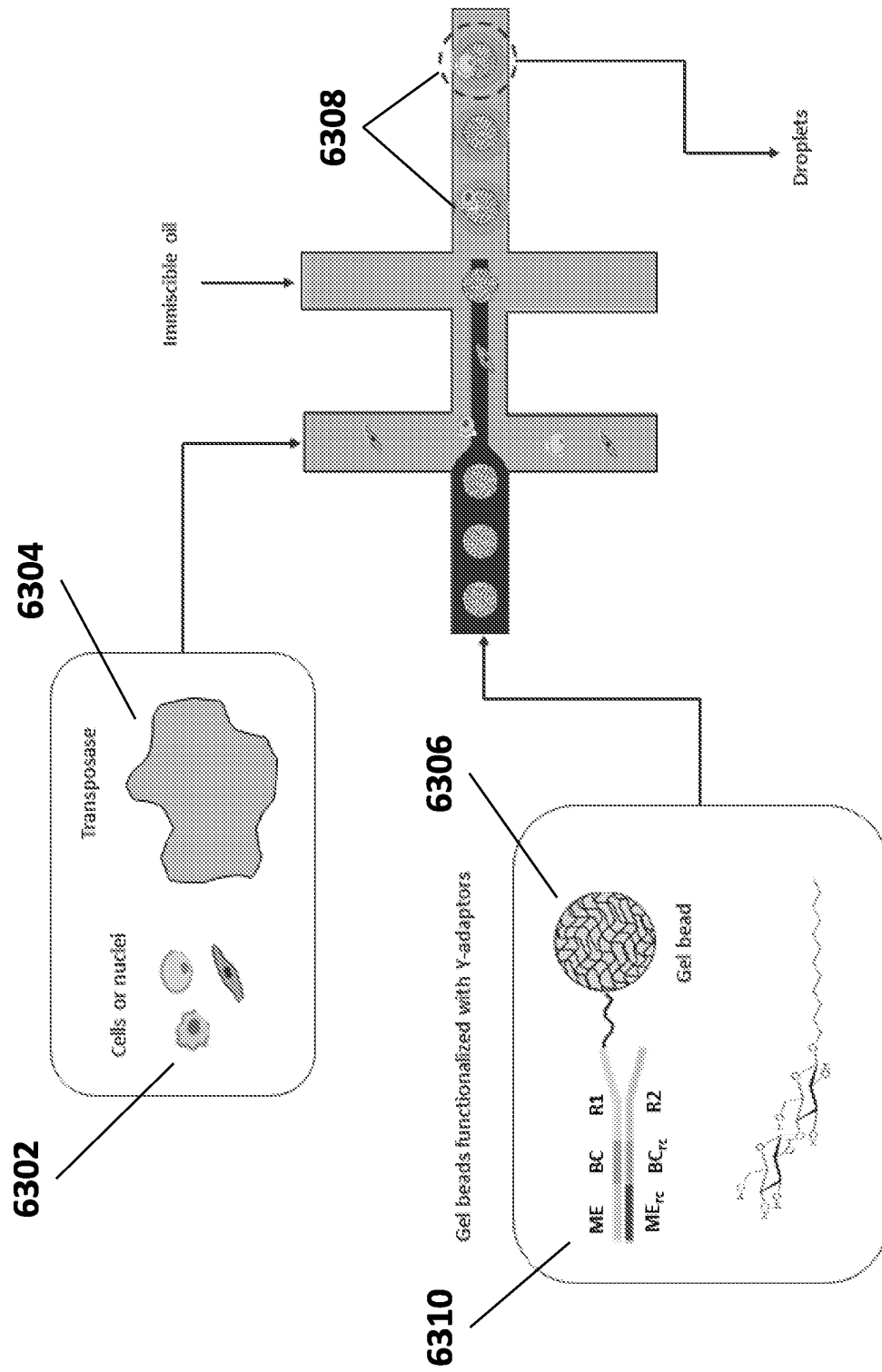
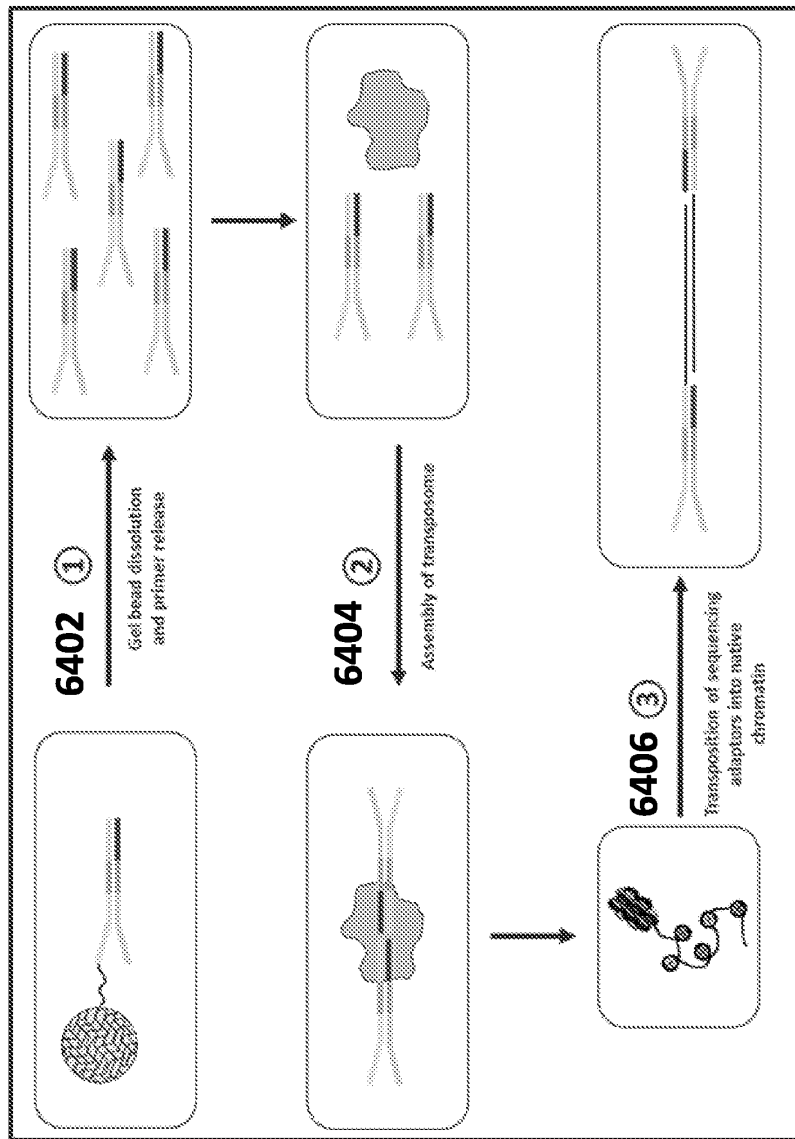
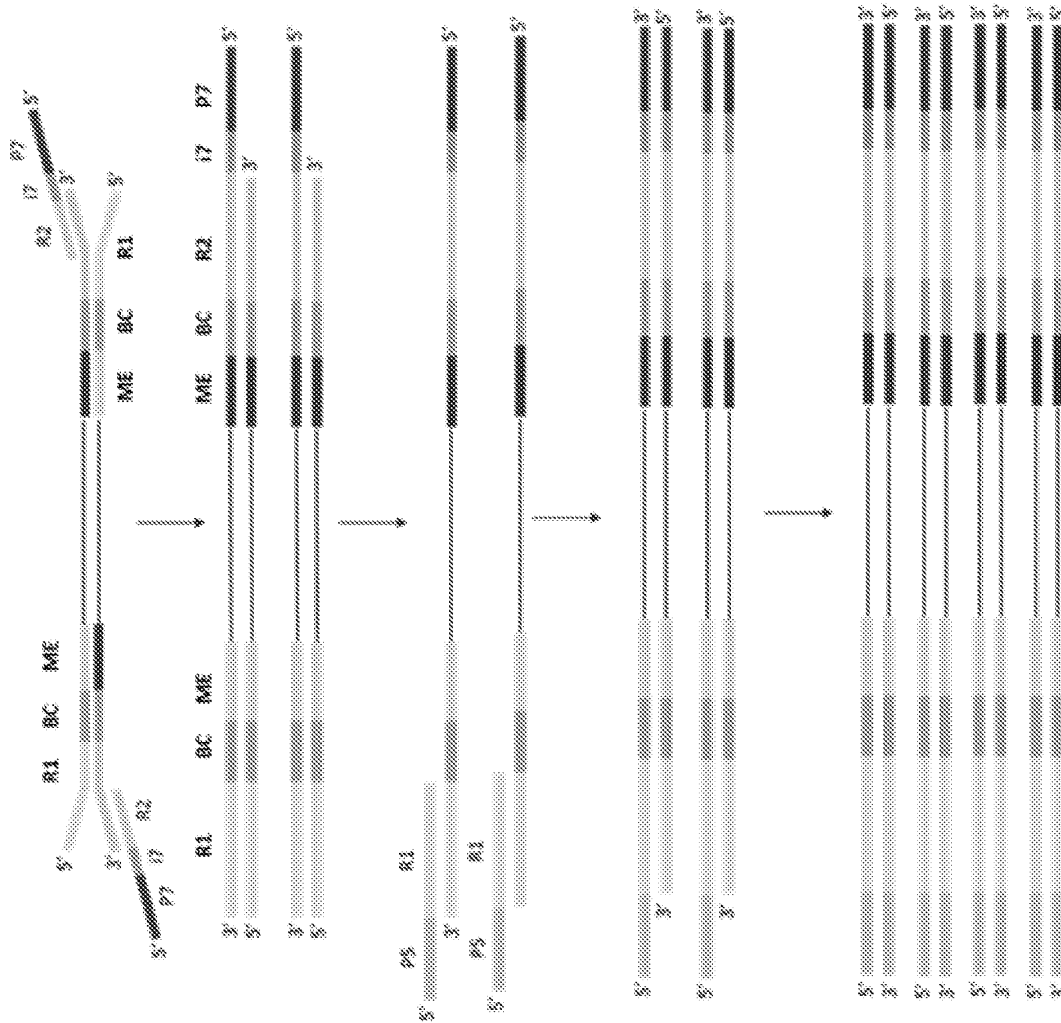


FIG. 62

**FIG. 63**

**FIG. 64A**

**FIG. 64B**

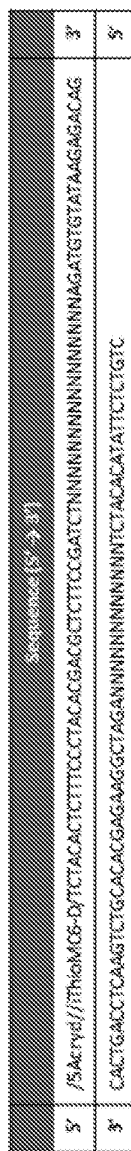


FIG. 65A



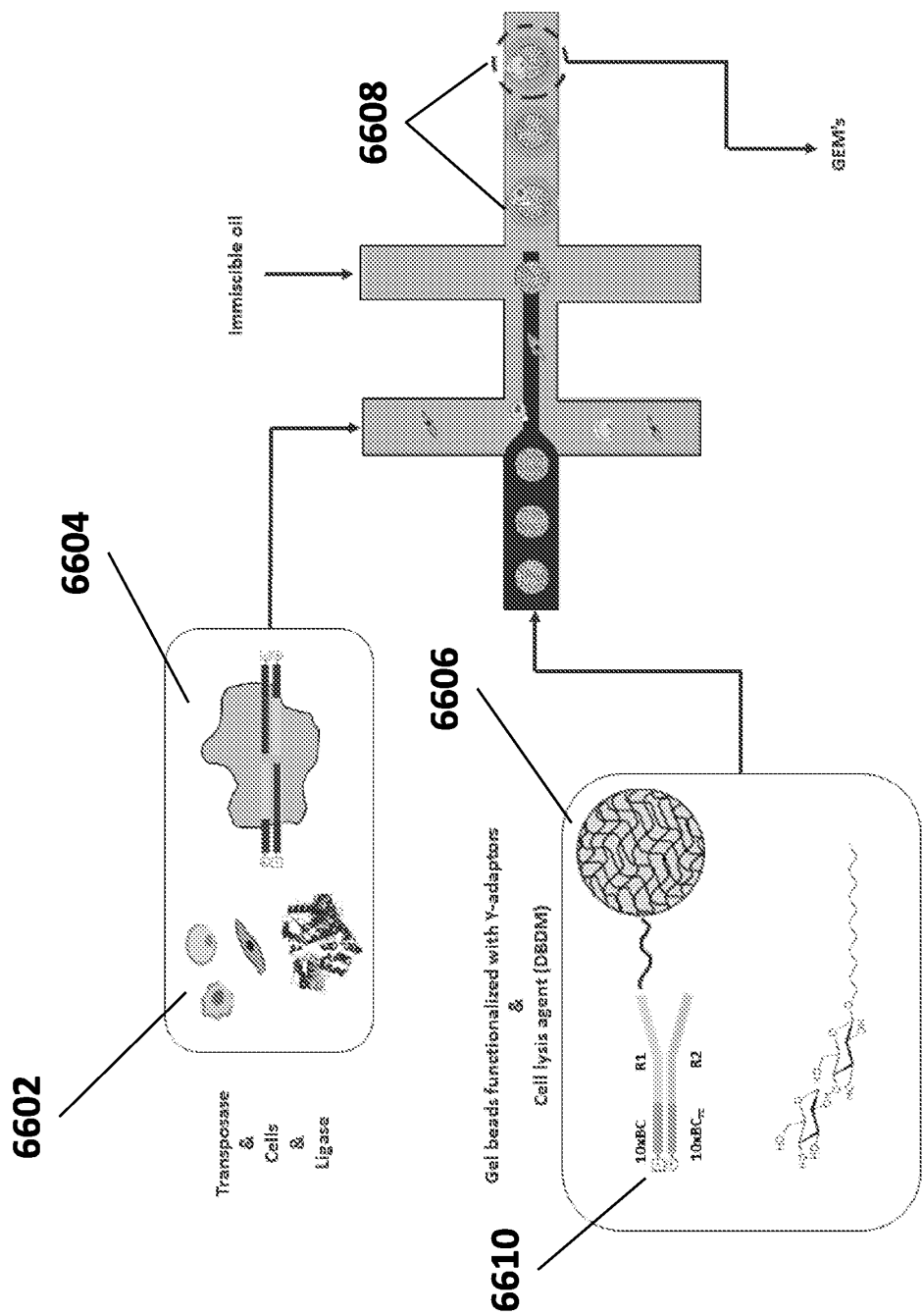


FIG. 66

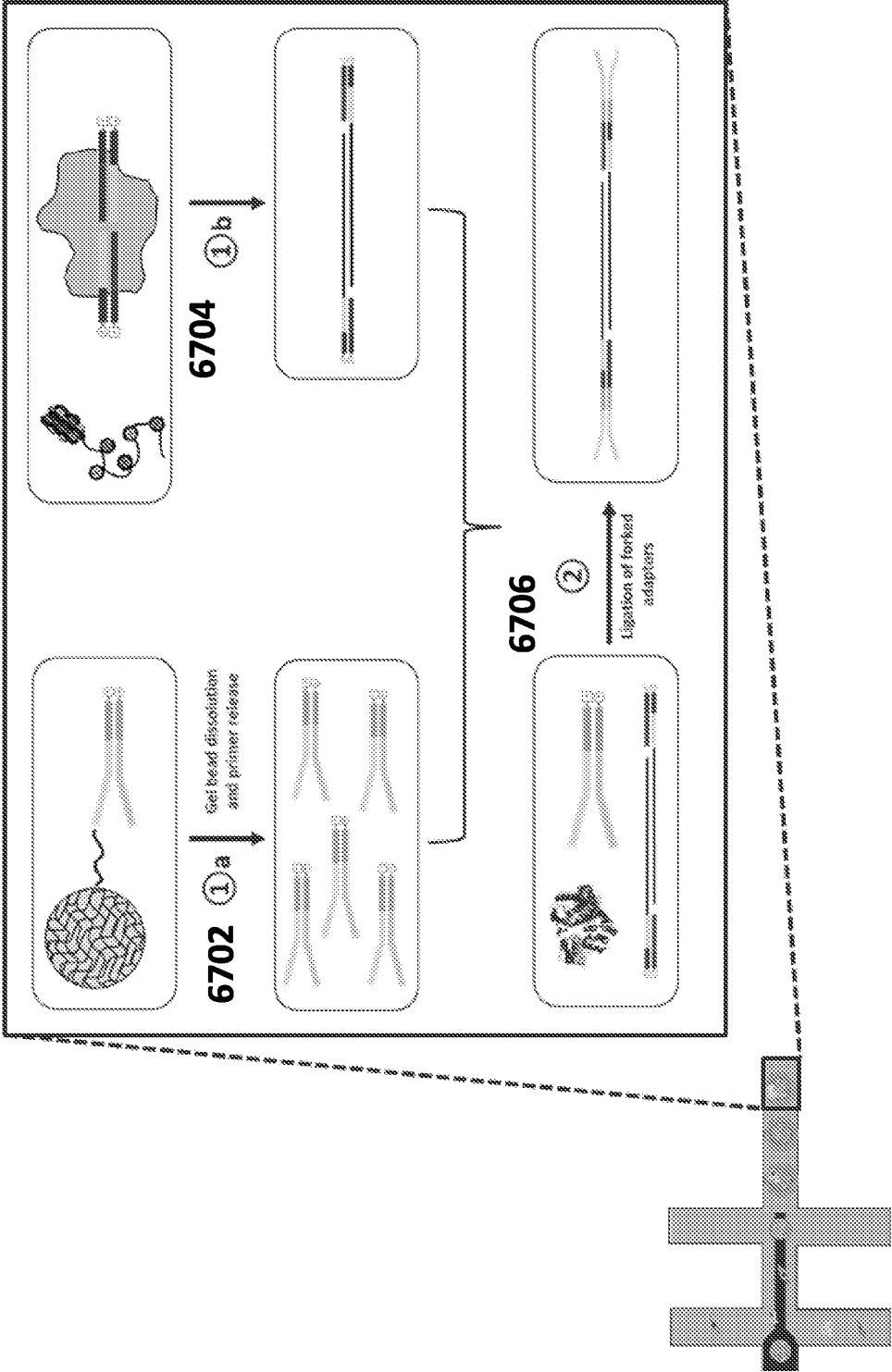


FIG. 67A

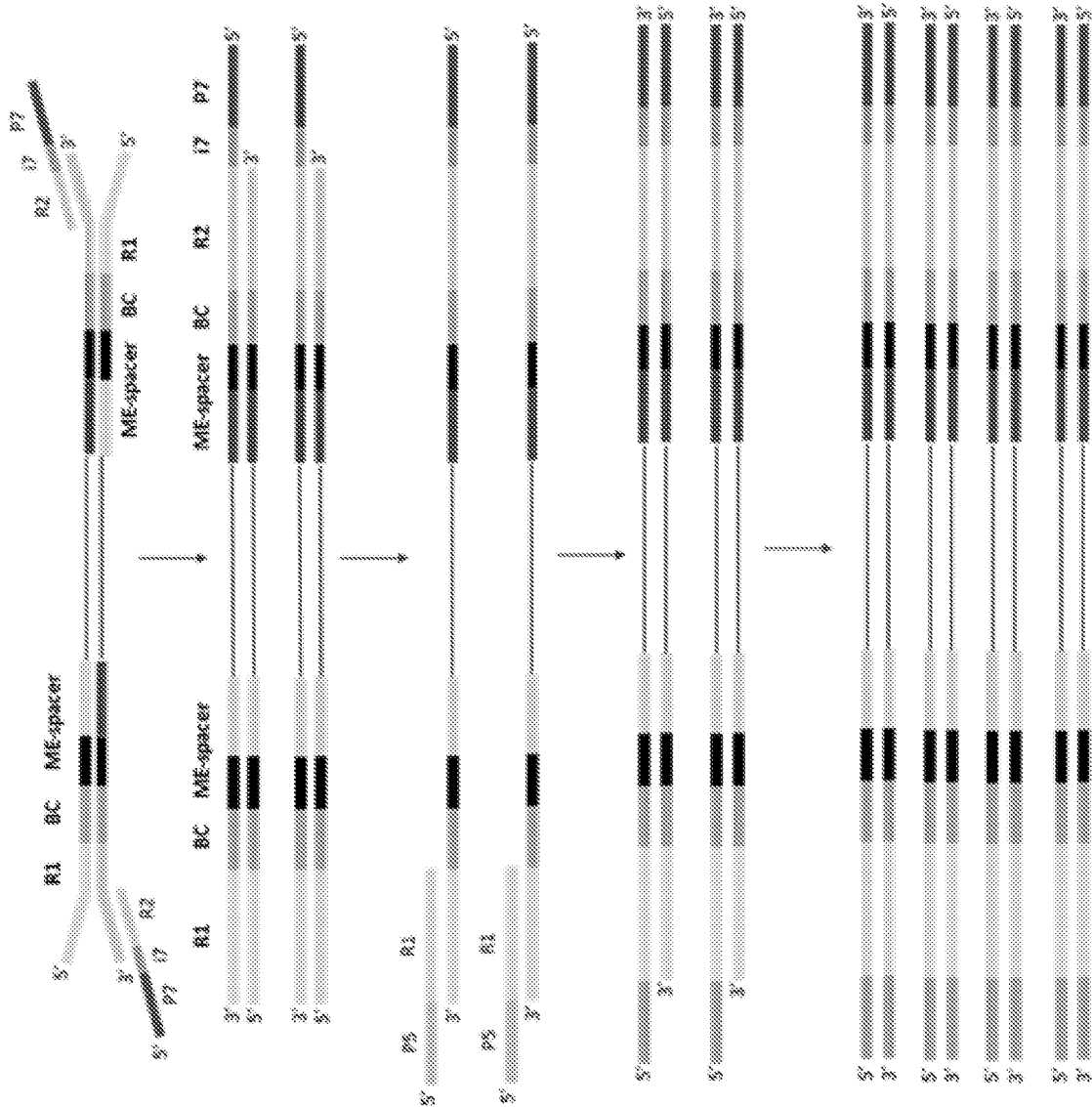


FIG. 67B

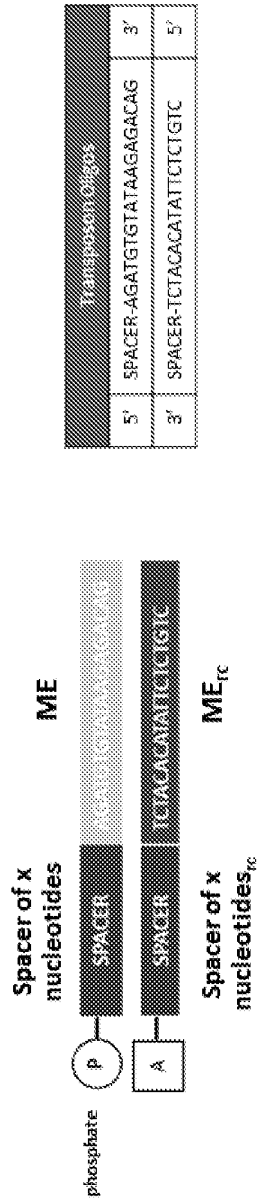
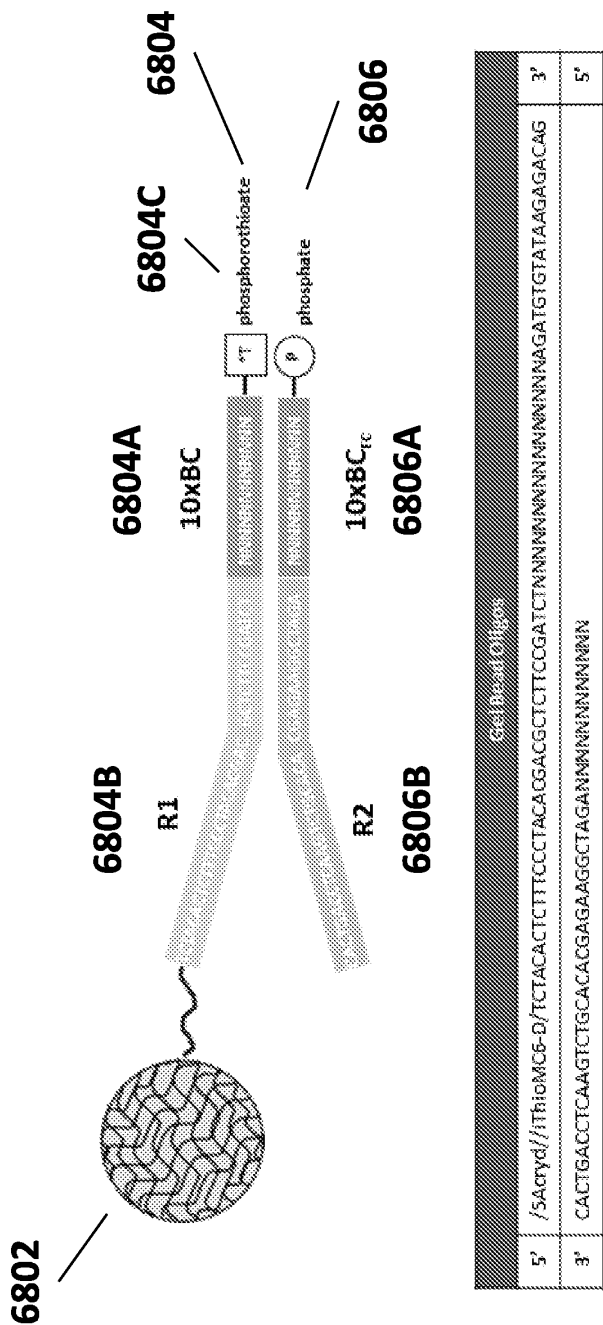


FIG. 68A

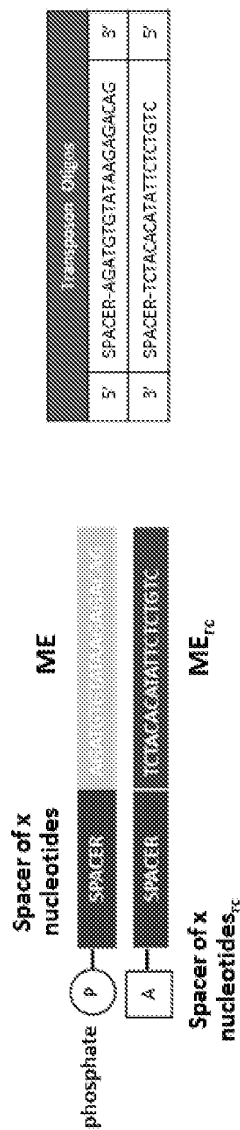


FIG. 68B

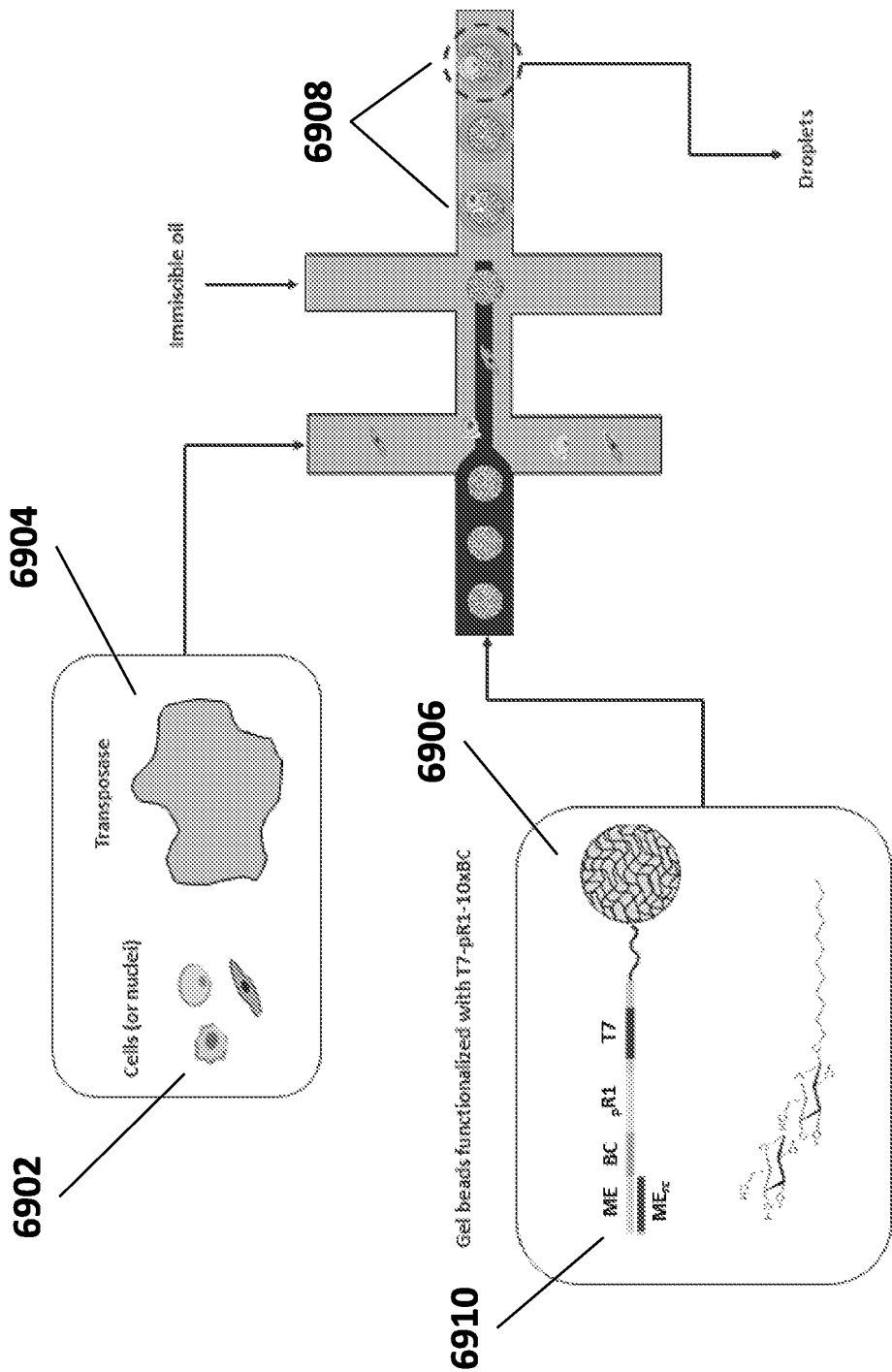


FIG. 69

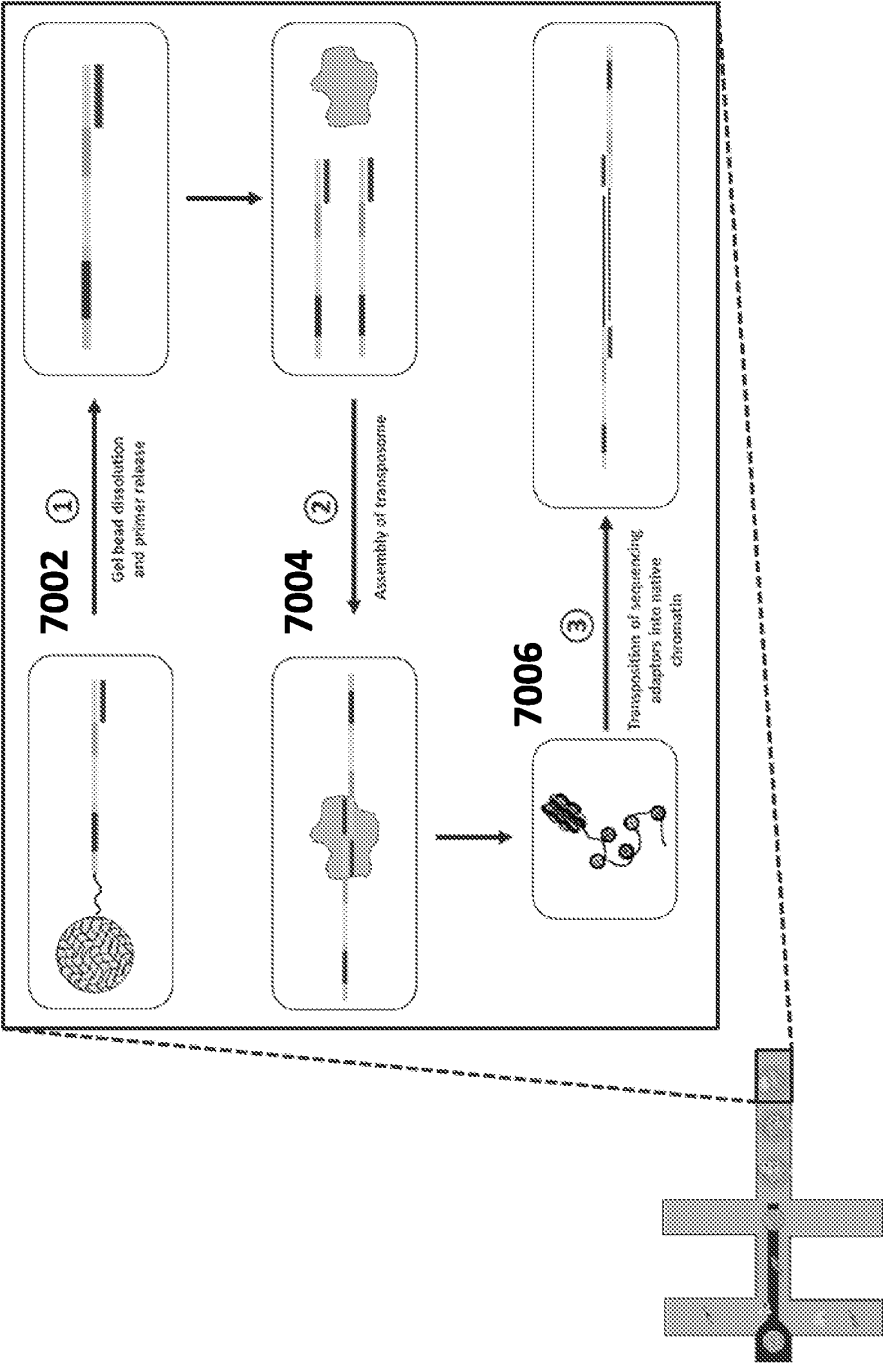


FIG. 70



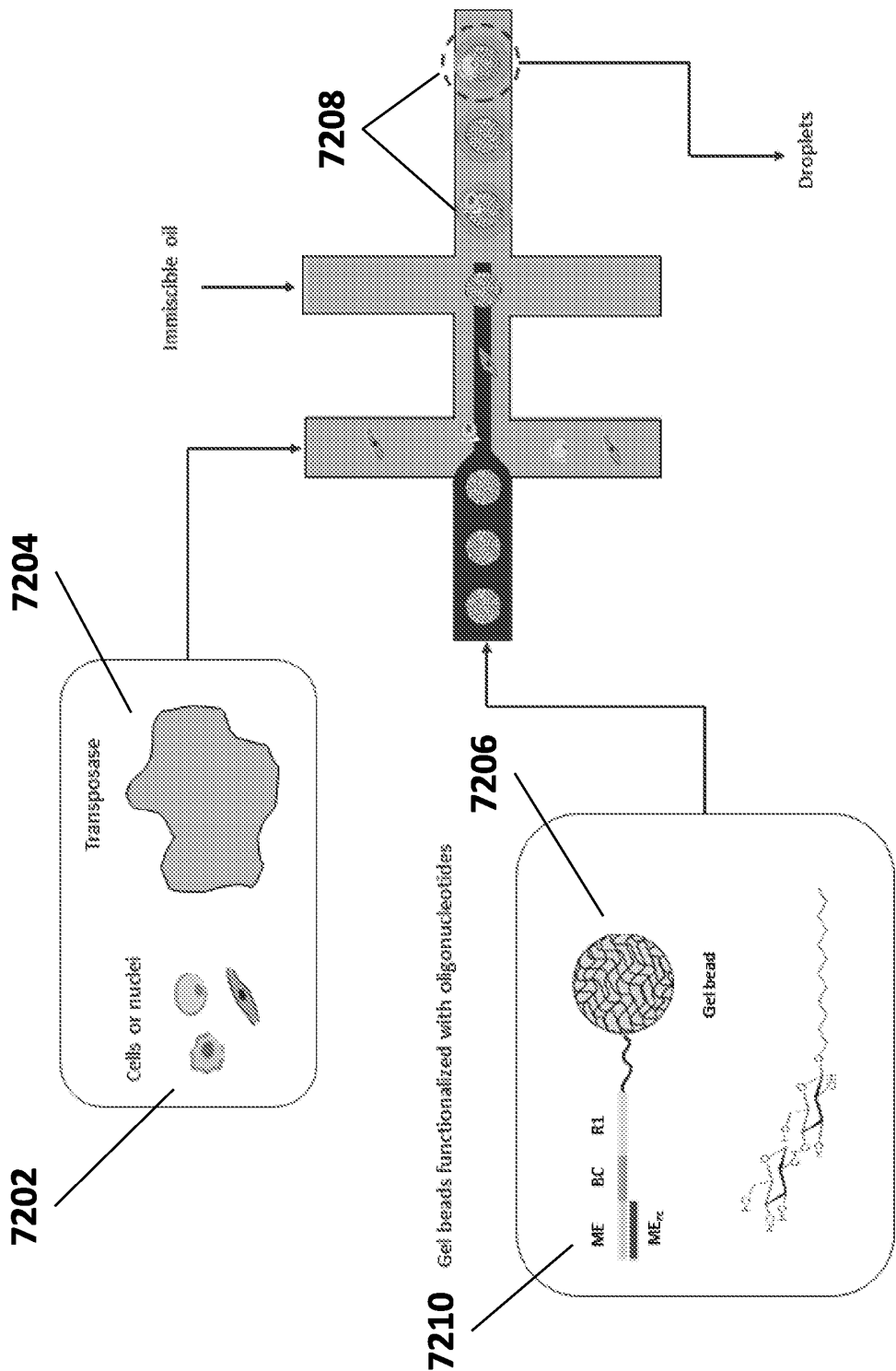


FIG. 72

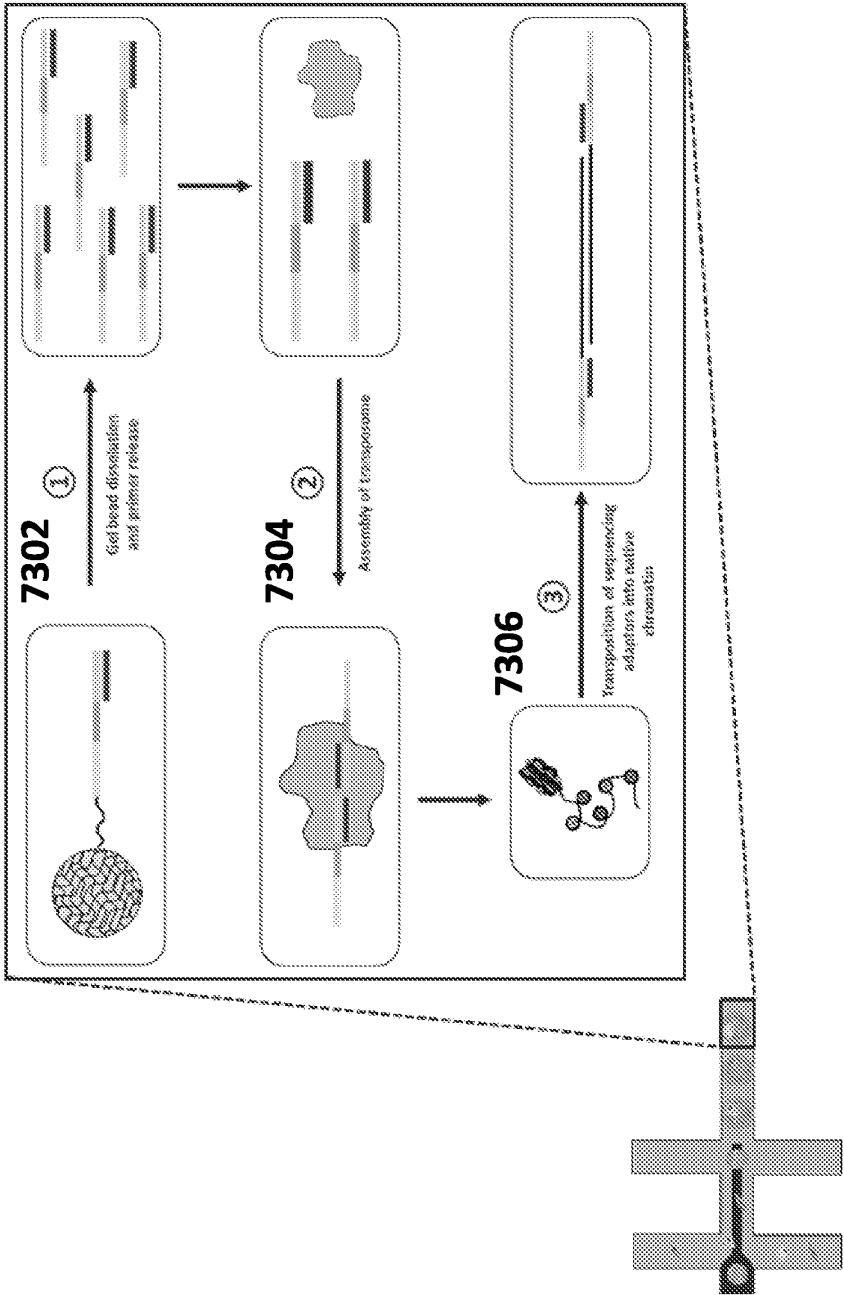
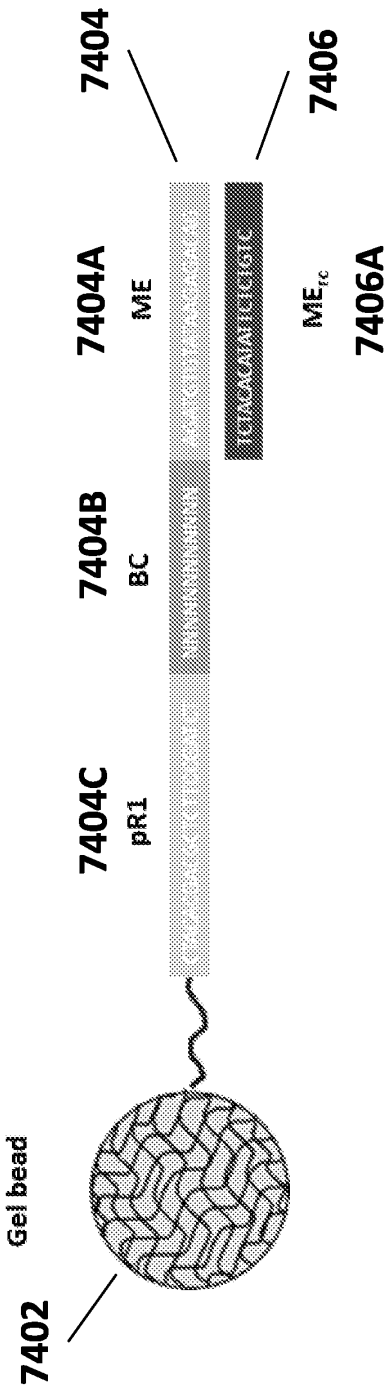


FIG. 73



Sequence (5' → 3')		
5'	/5Acrtd//IThaM06-D/CTACACGACGCTCTTCGATCTNNNNNNNNNNNNNAGATGTGTATAGAGACAG	3'
3'	/5Phos/CTGTCTCTTATACATCT	5'

FIG. 74

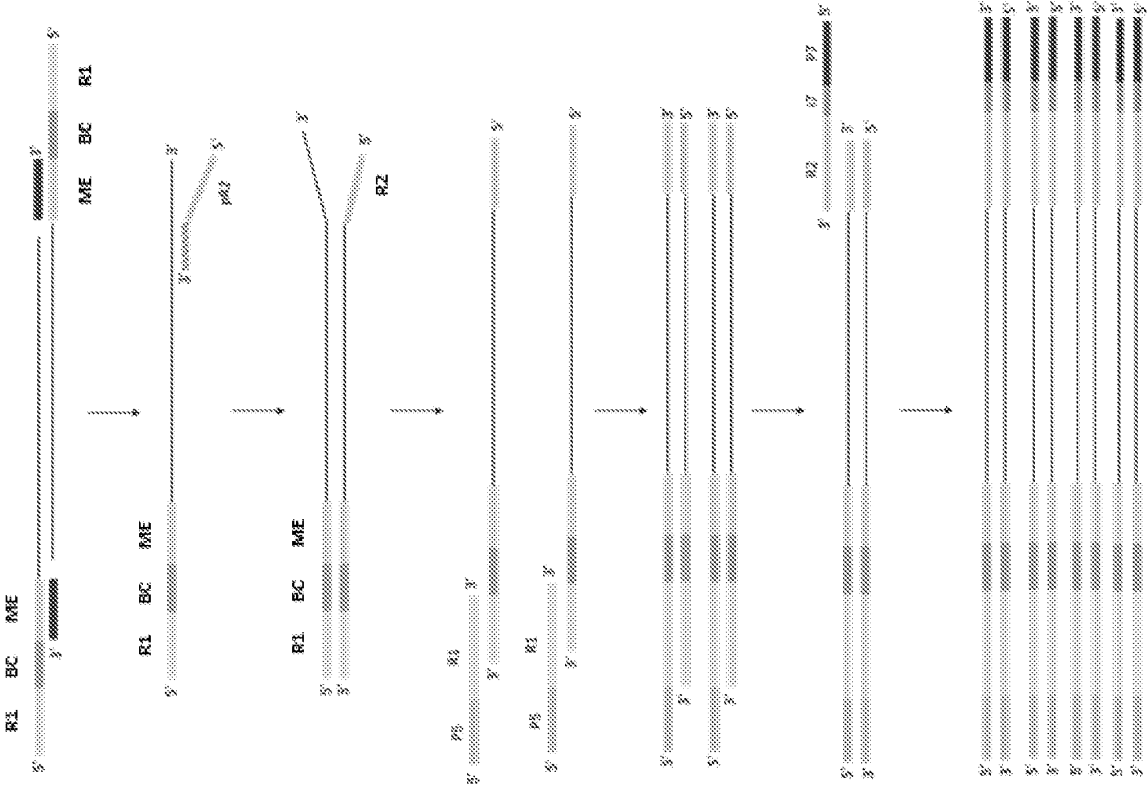


FIG. 75



FIG. 76

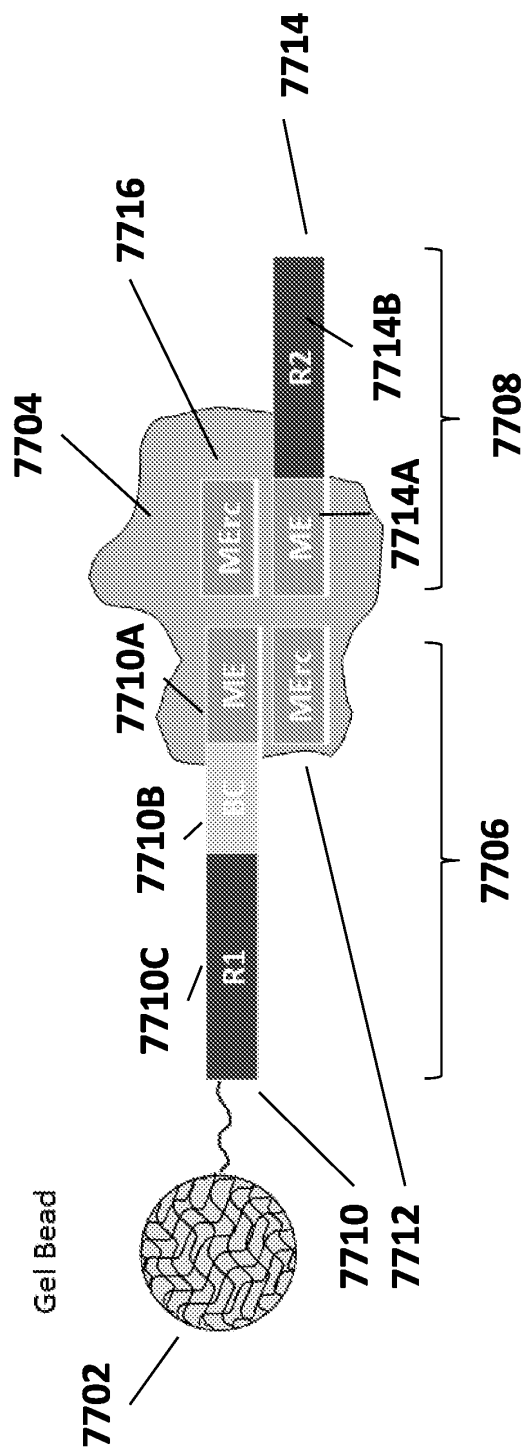


FIG. 77A

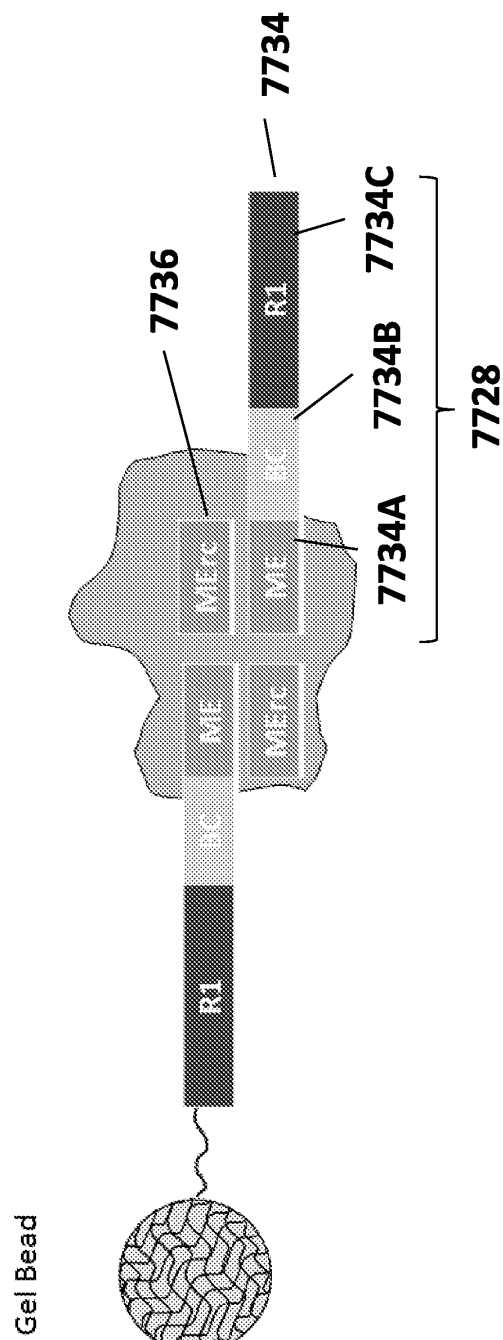


FIG. 77B

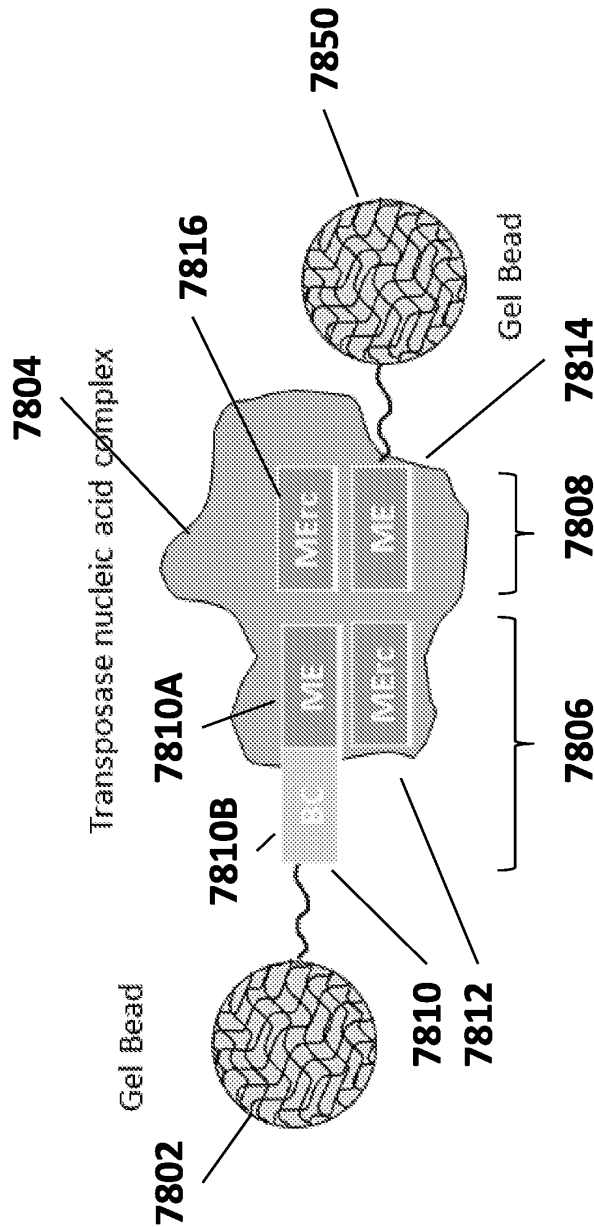


FIG. 78

Gel Bead

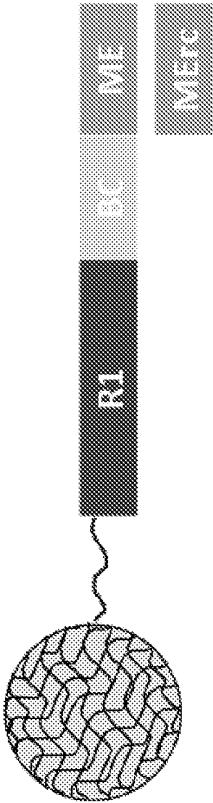


FIG. 79A

Gel Bead

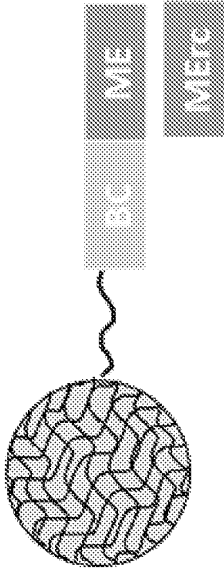


FIG. 79B

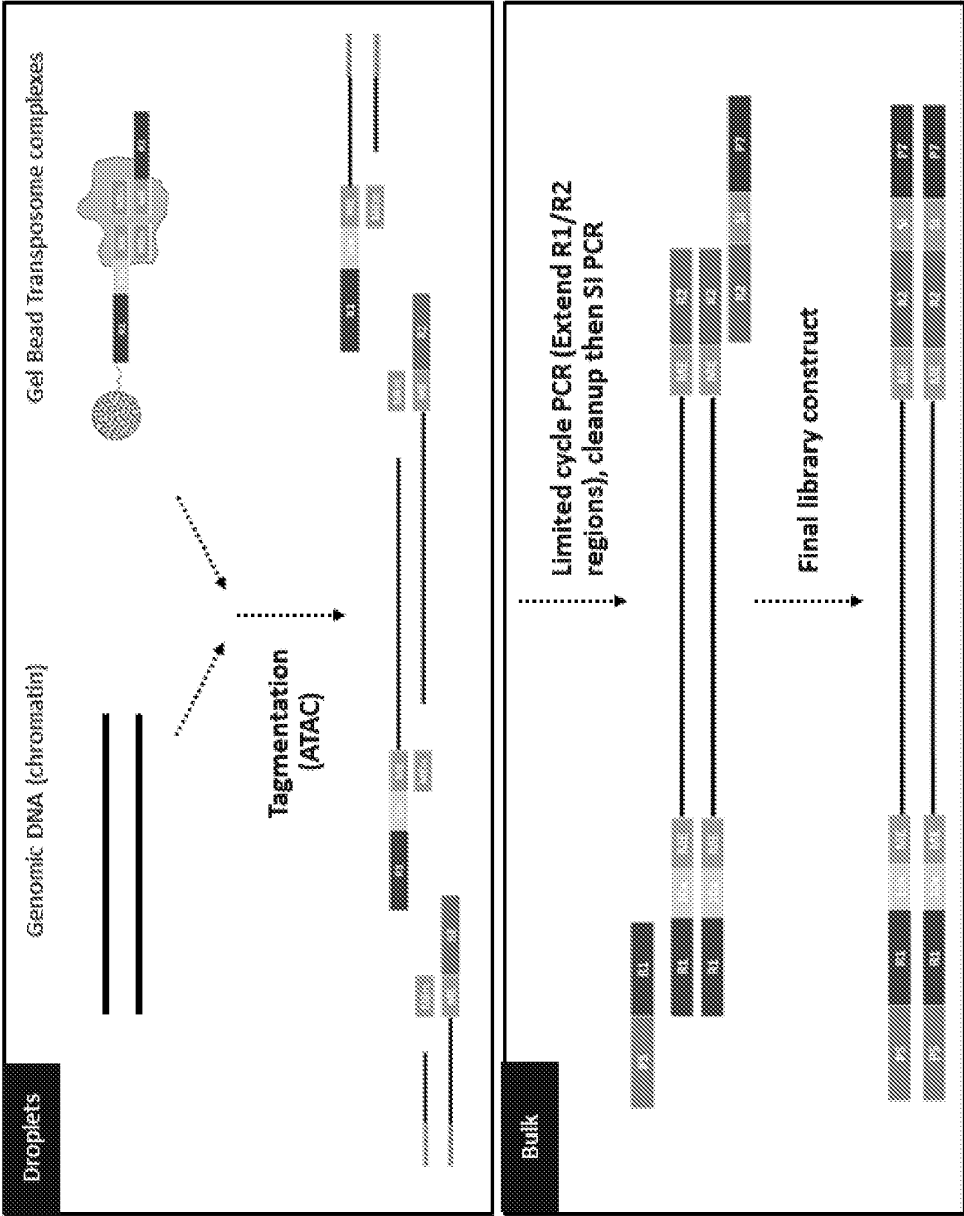


FIG. 80

Transposase Nucleic Acid Complex

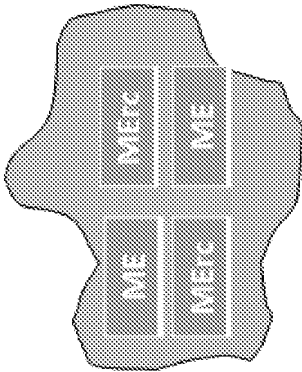


FIG. 81A

Gel Bead

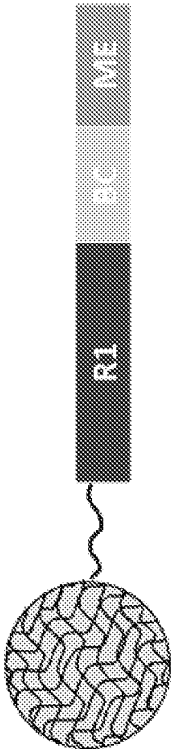


FIG. 81B

Transposase-Nucleic Acid Complex

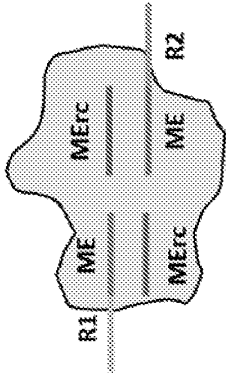


FIG. 82A

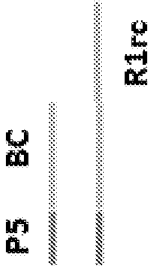


FIG. 82B

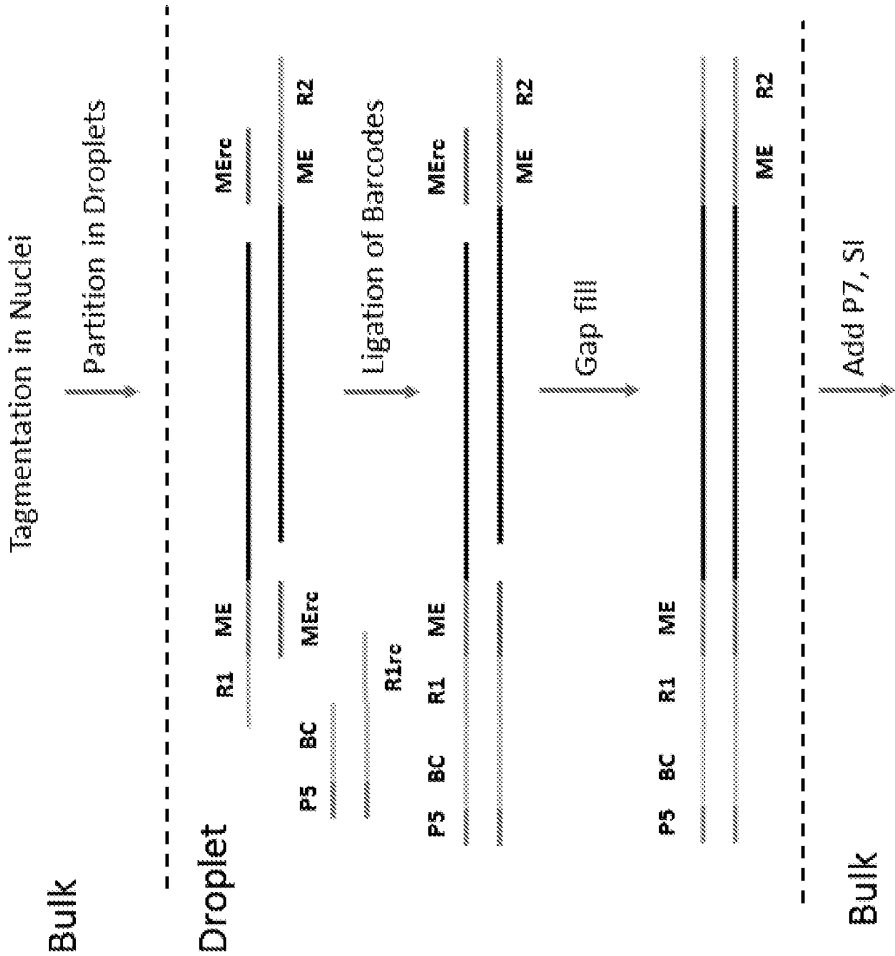


FIG. 82C

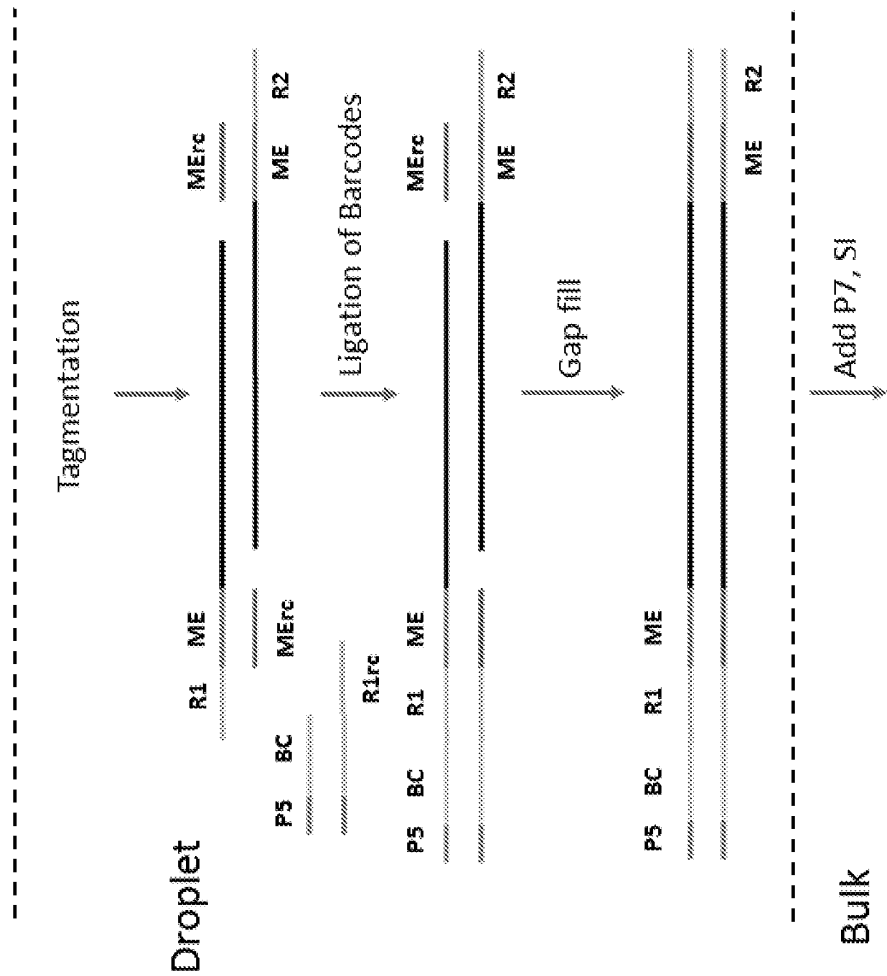


FIG. 82D



FIG. 83A

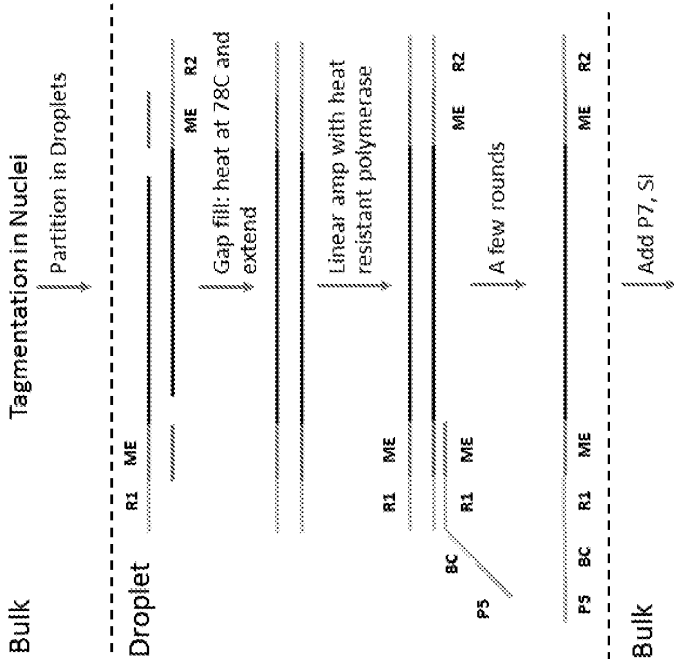


FIG. 83B

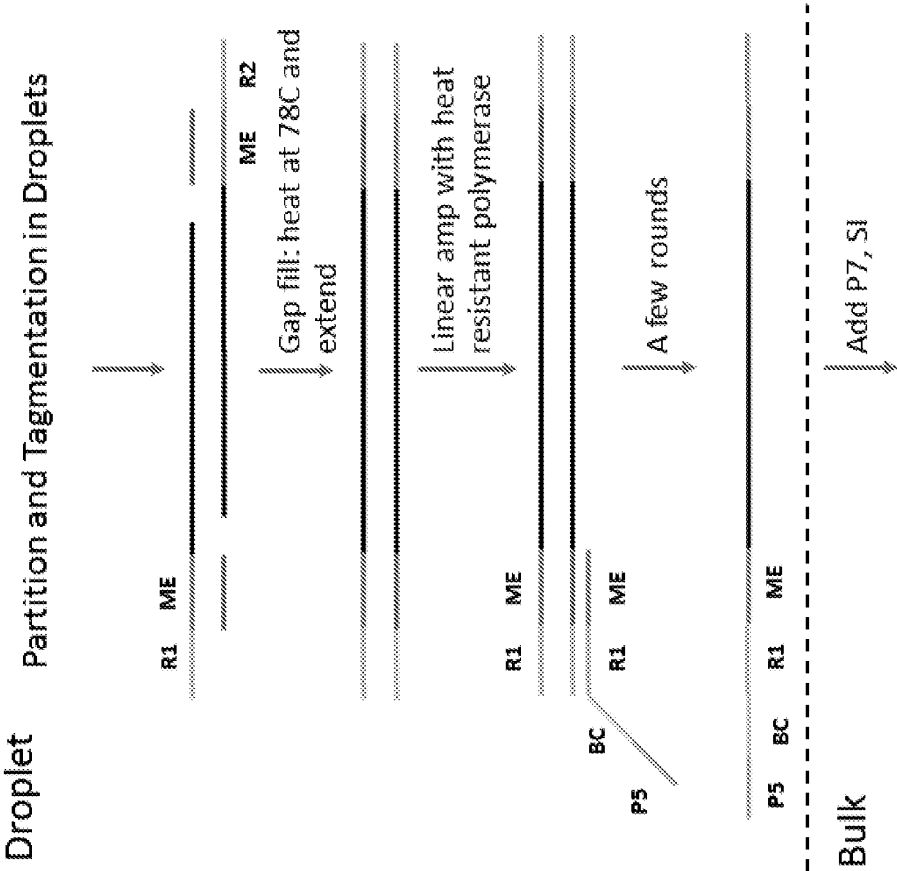


FIG. 84

TruSeqR1 BC

FIG. 85A

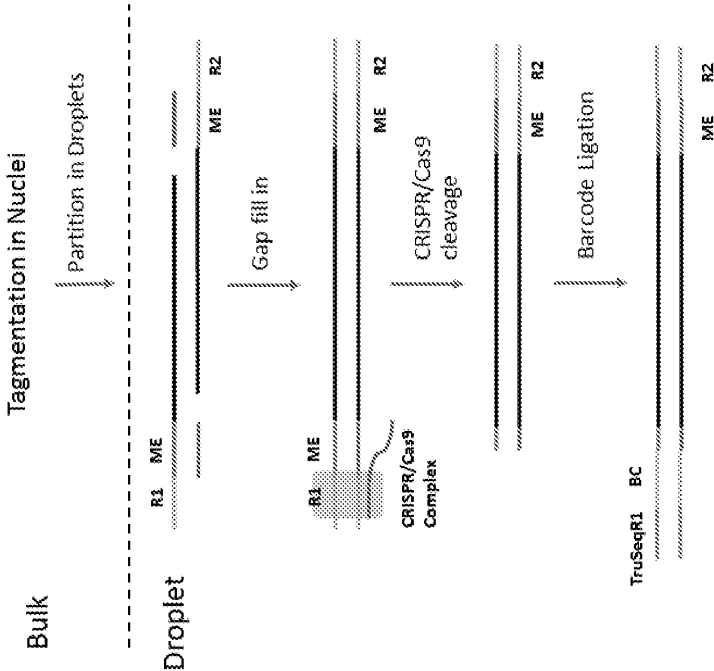


FIG. 85B

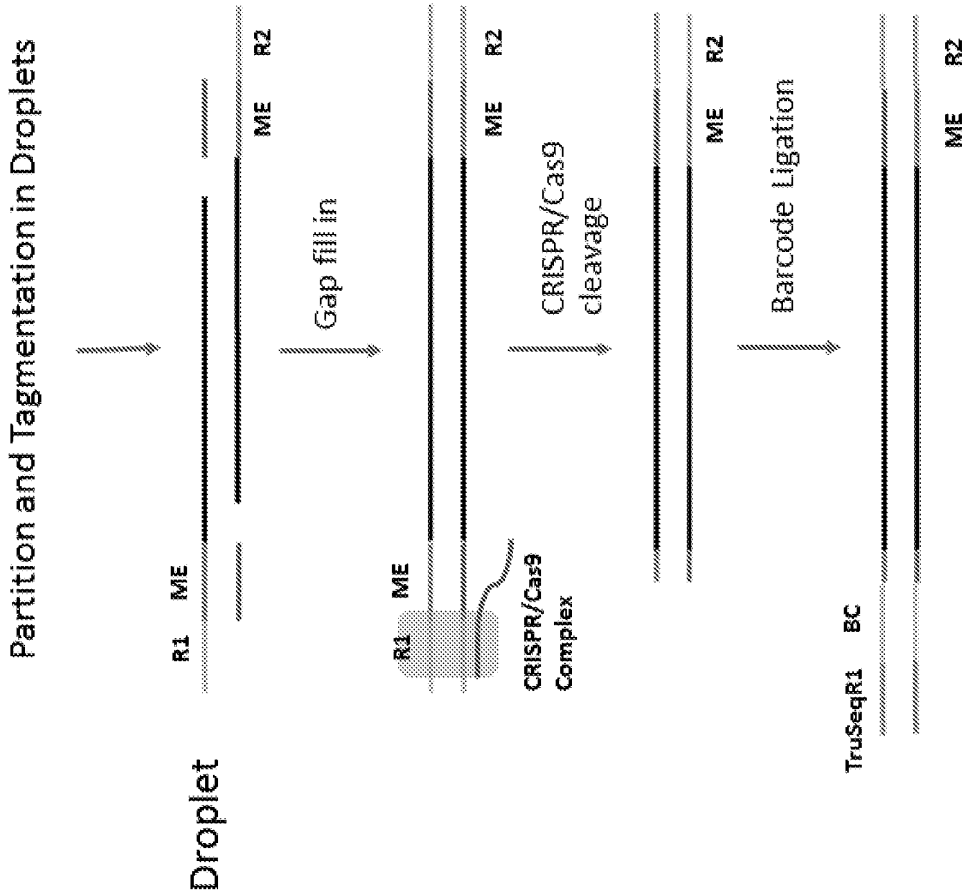


FIG. 85C

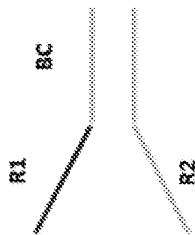


FIG. 86A

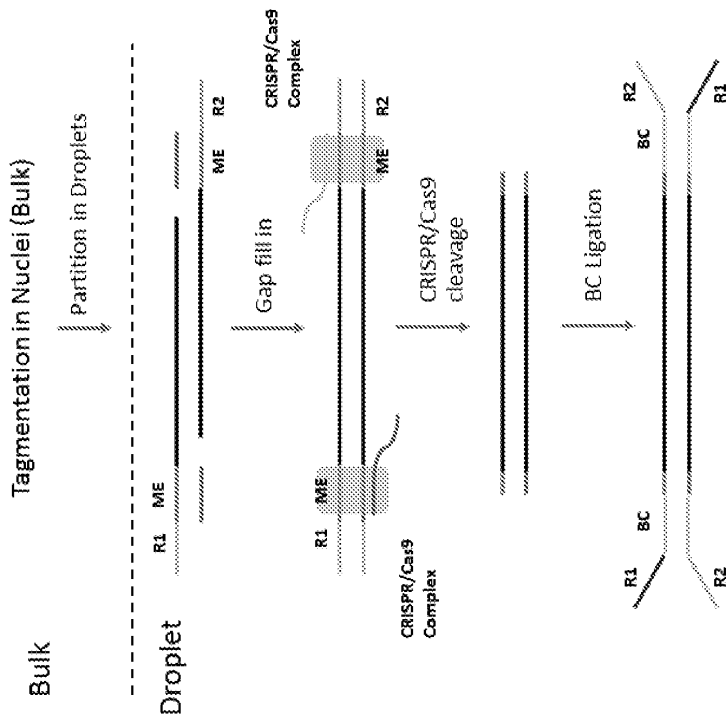


FIG. 86B

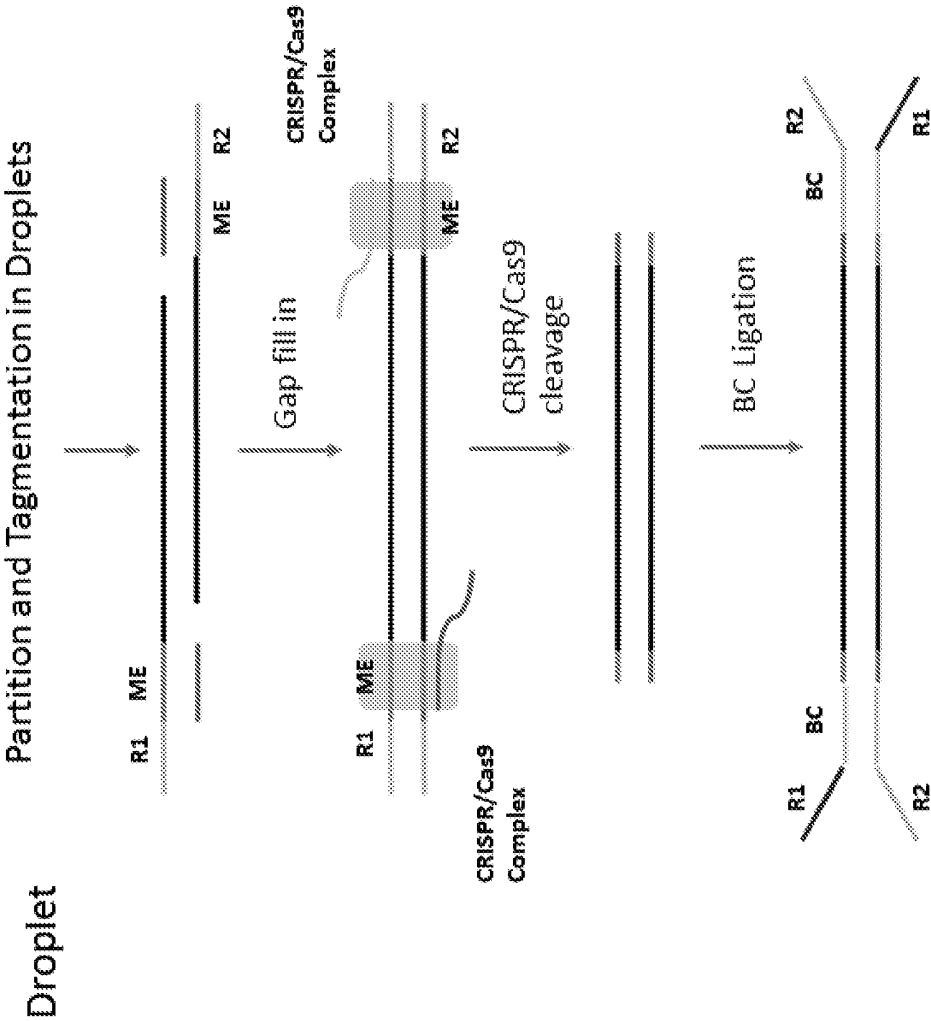


FIG. 86C

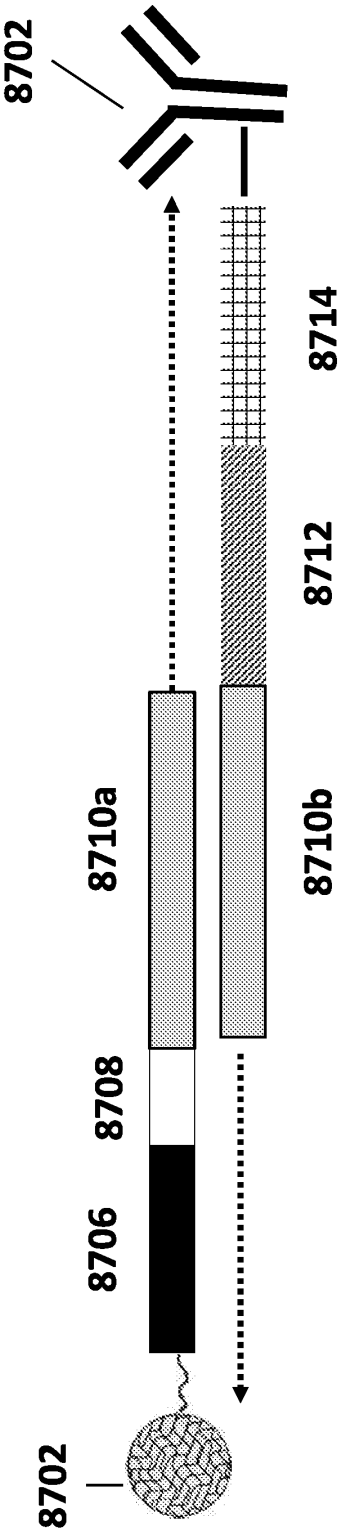


FIG. 87A

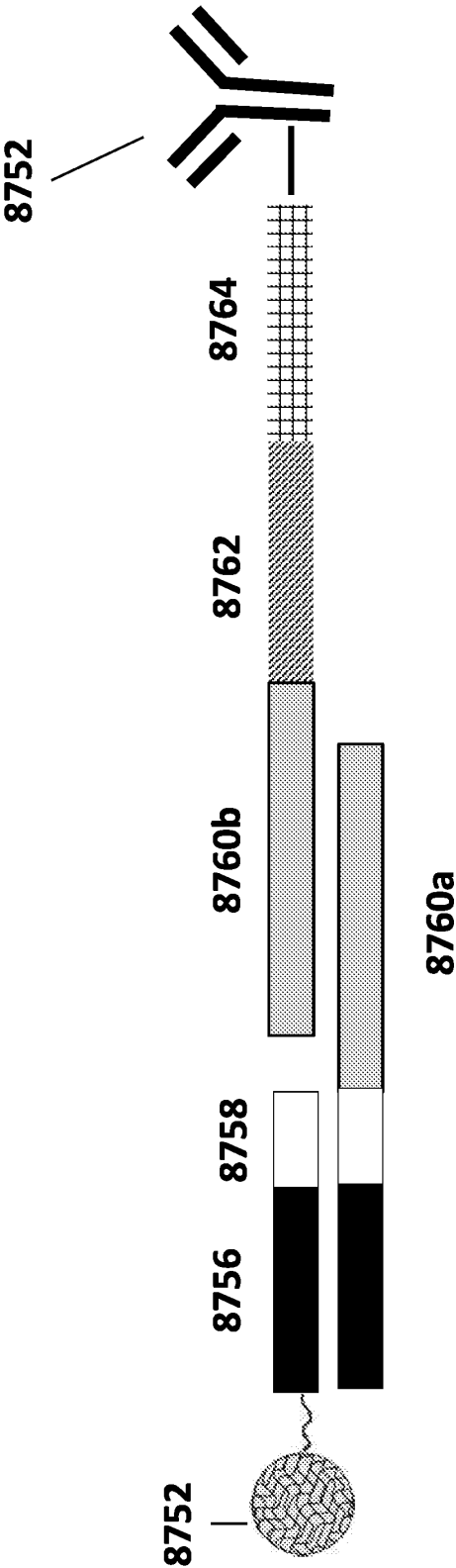


FIG. 87B

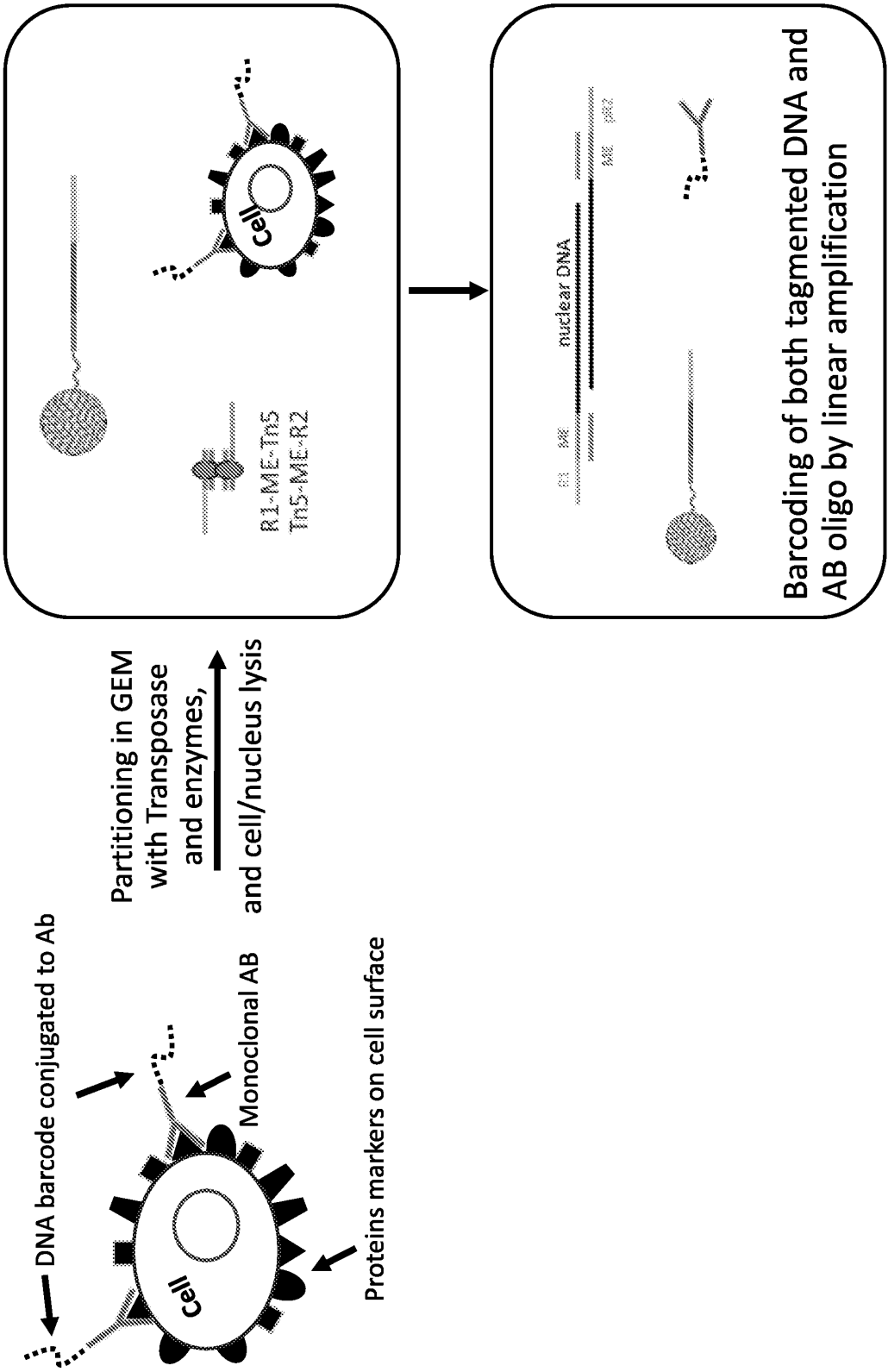


FIG. 88A

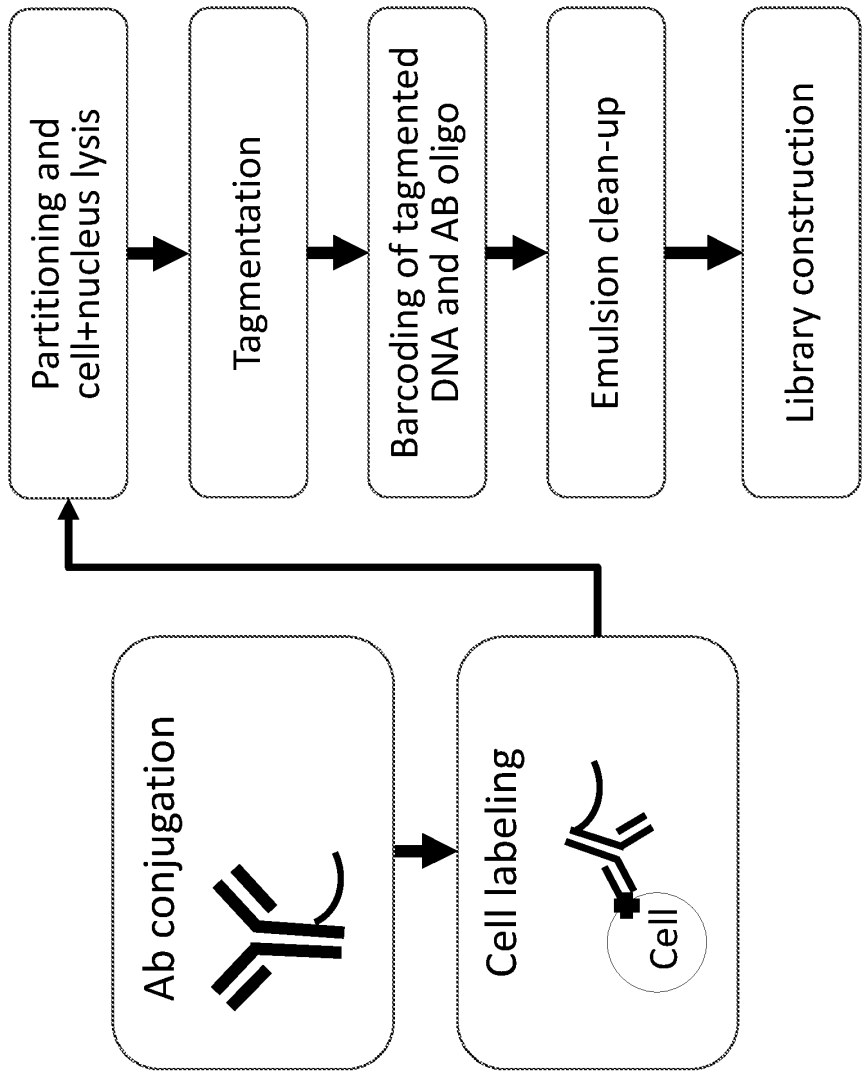


FIG. 88B

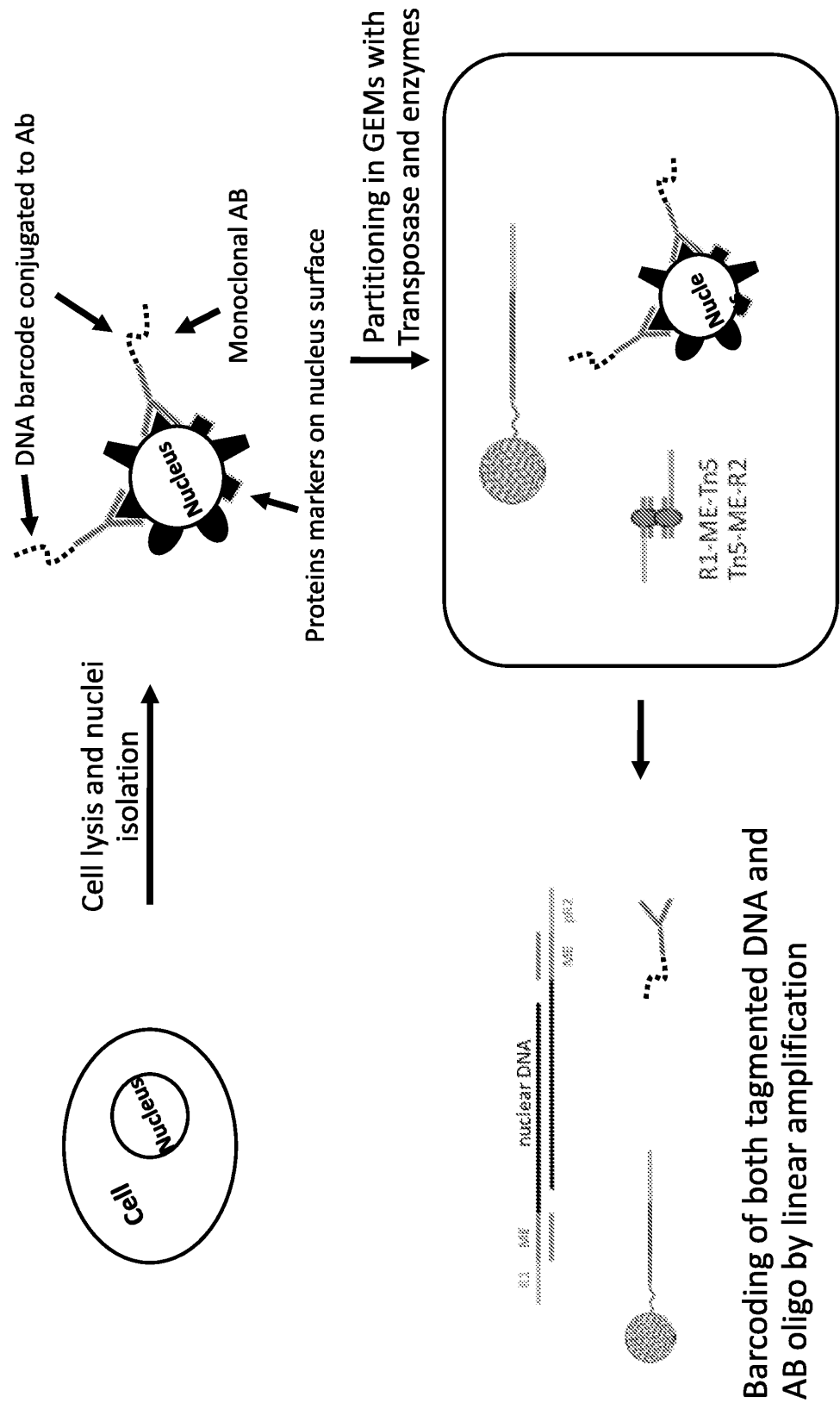


FIG. 89A

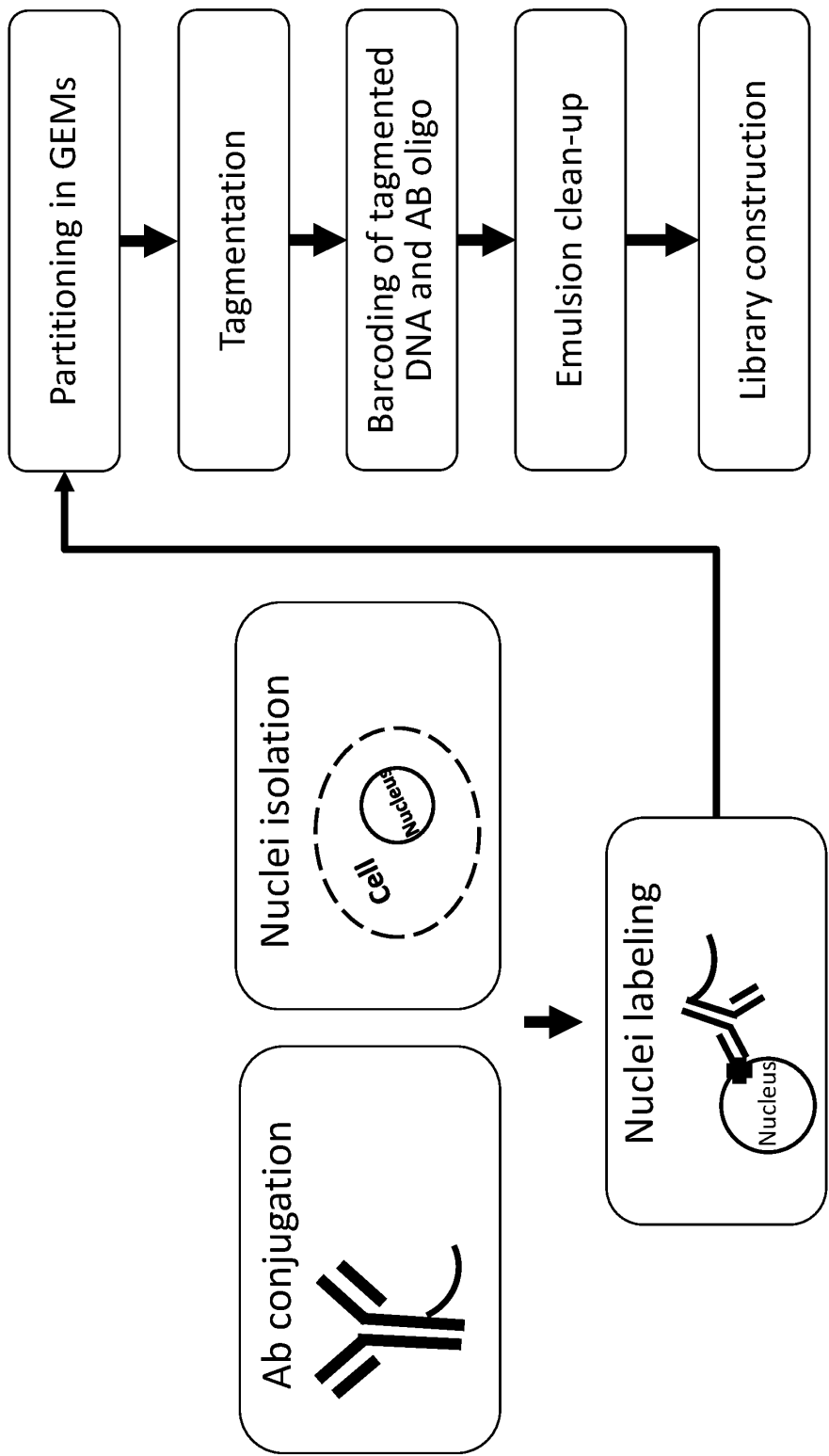


FIG. 89B

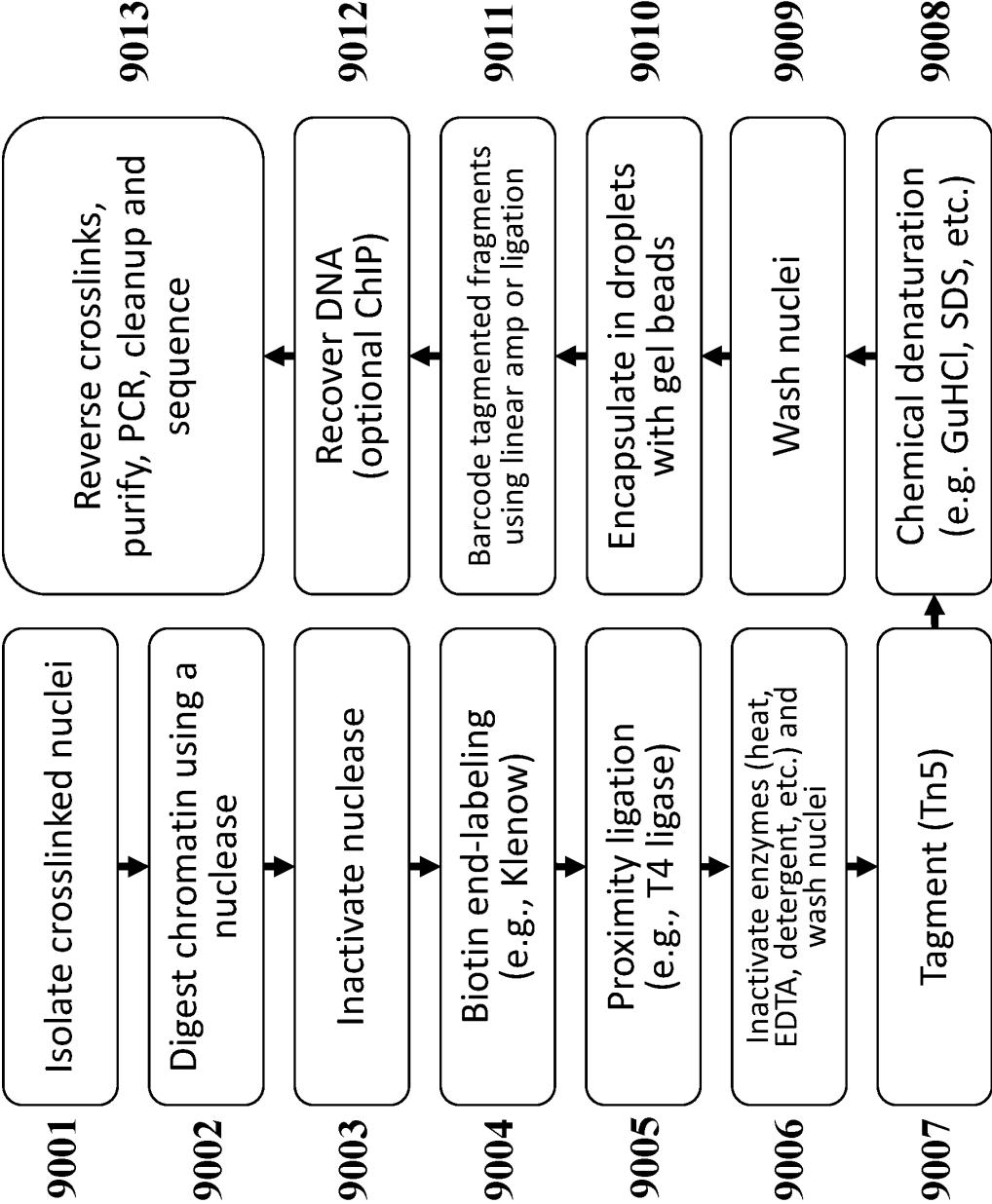


FIG. 90



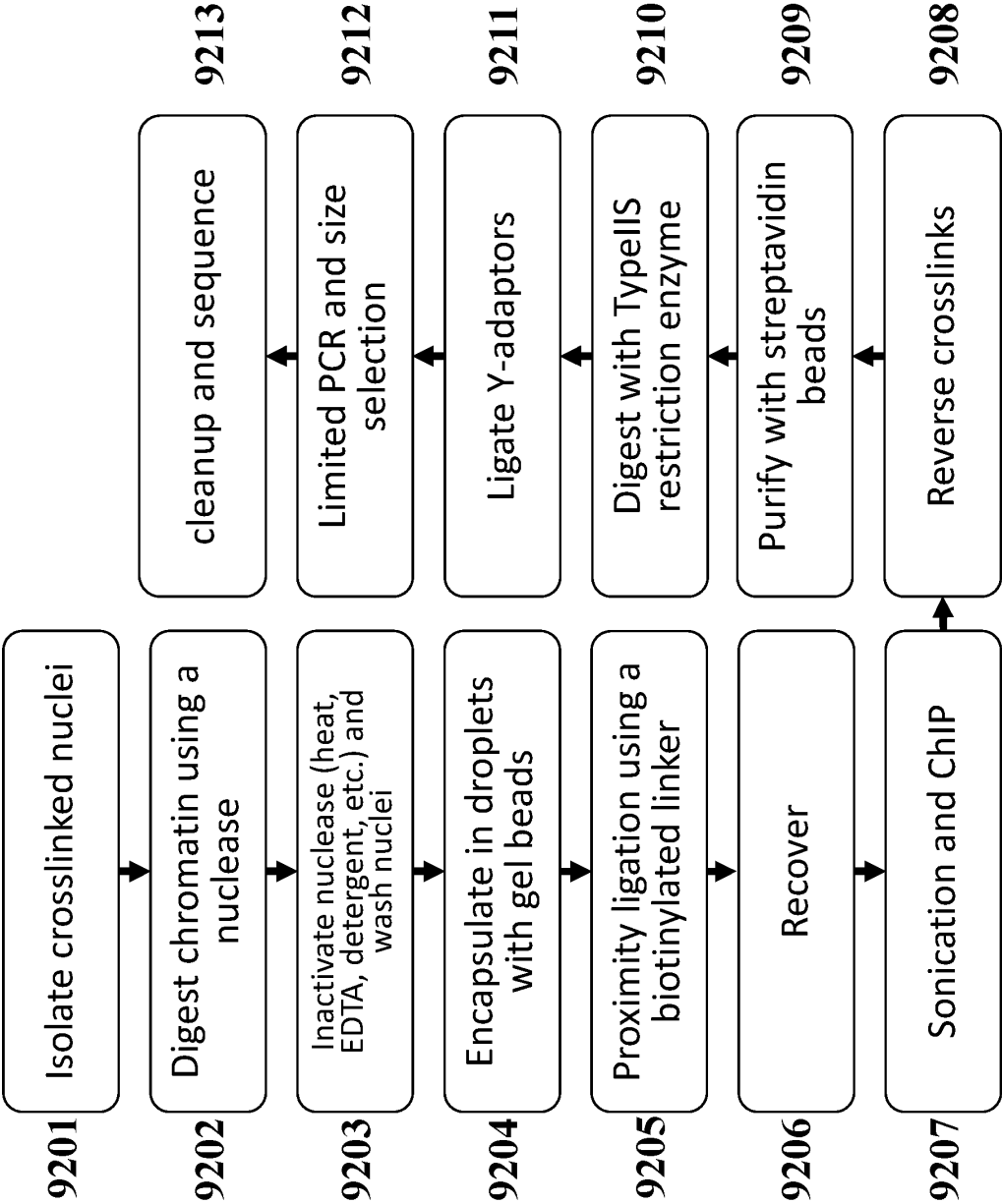


FIG. 92

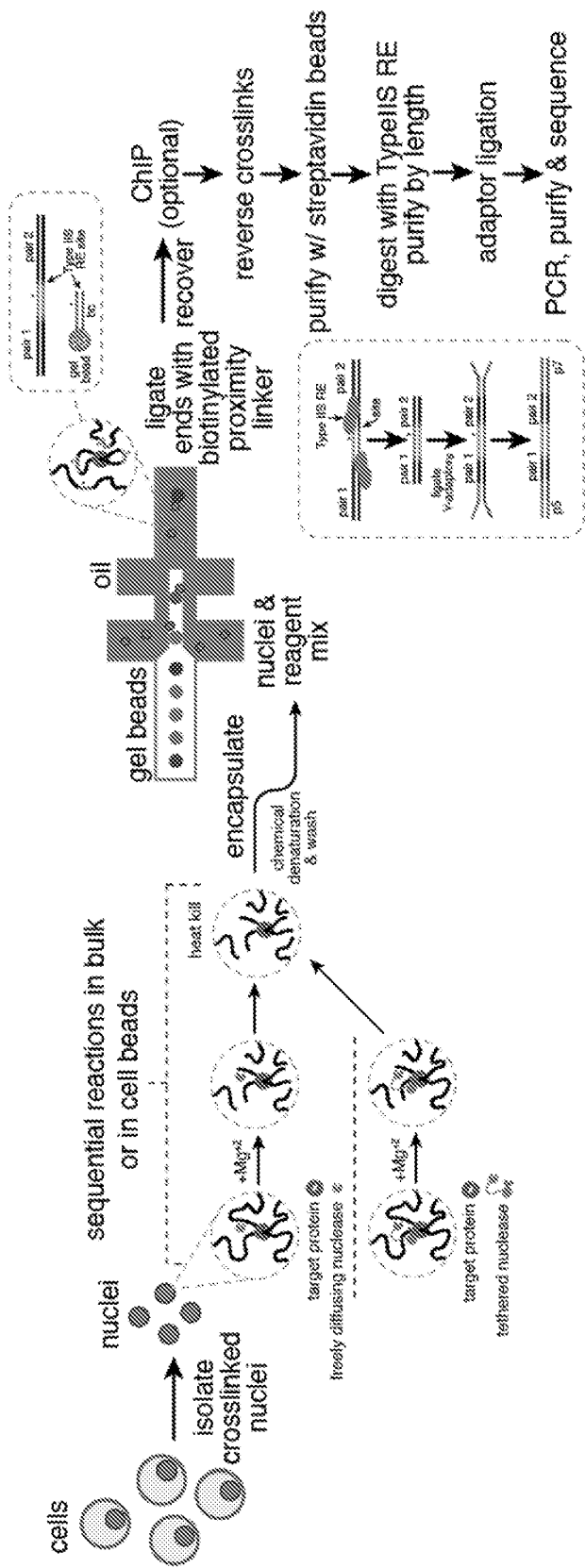


FIG. 93

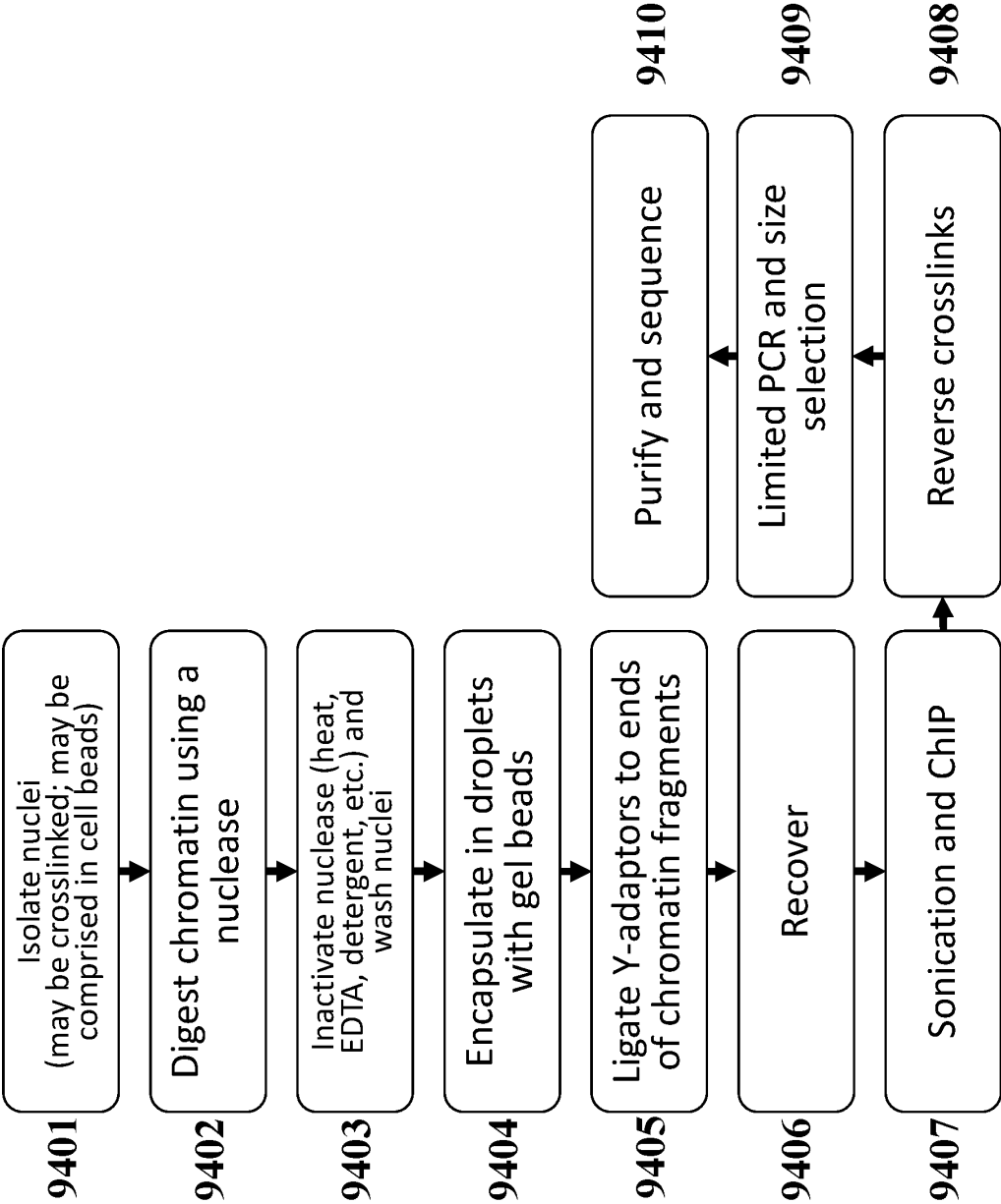


FIG. 94

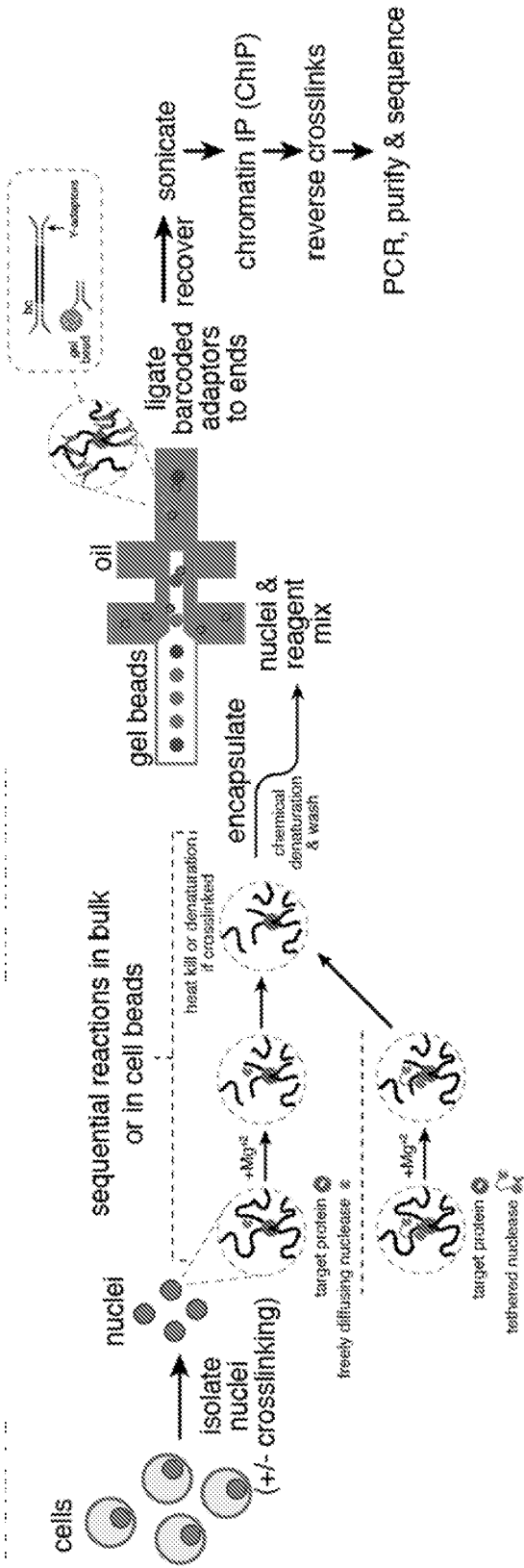


FIG. 95

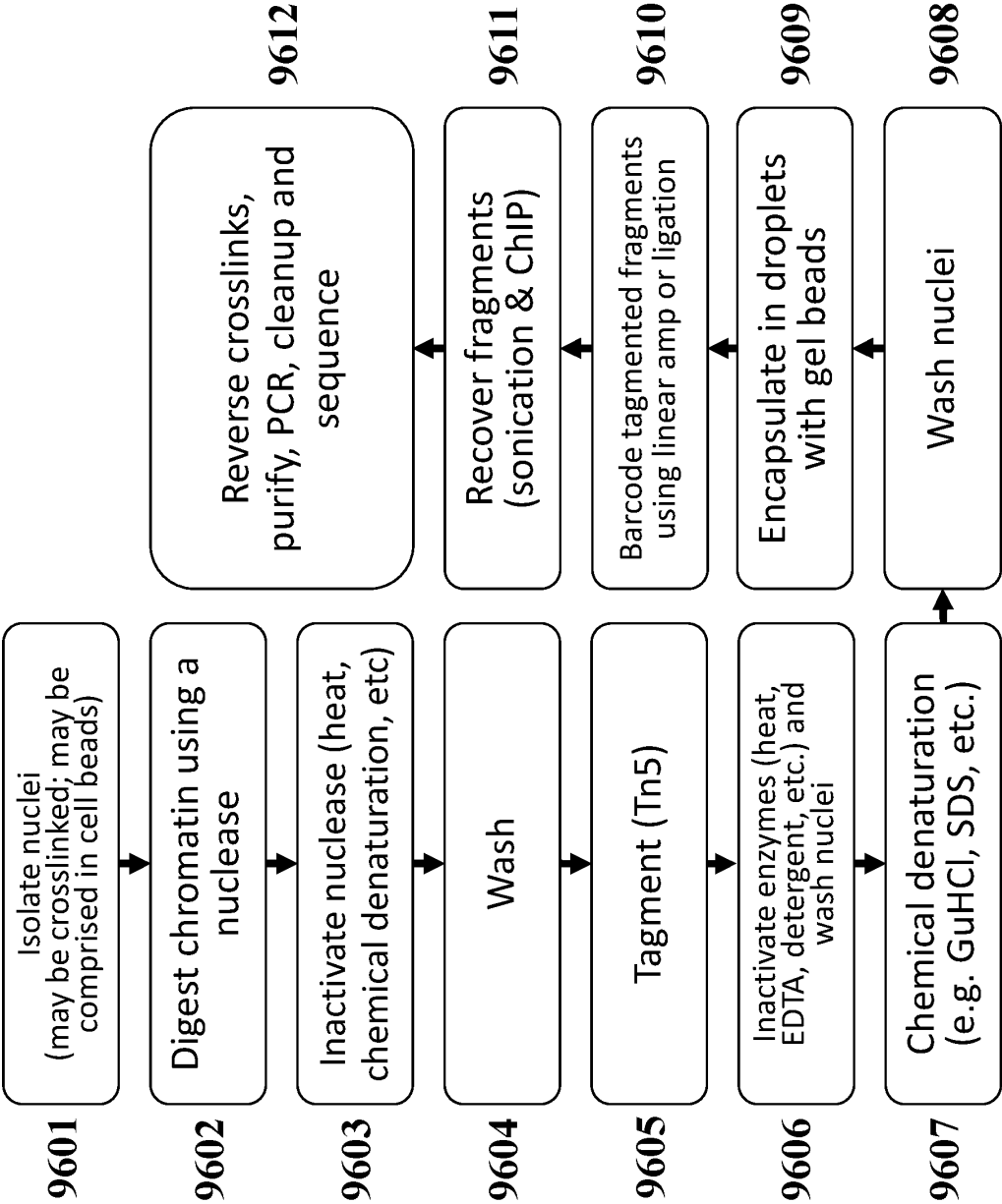


FIG. 96

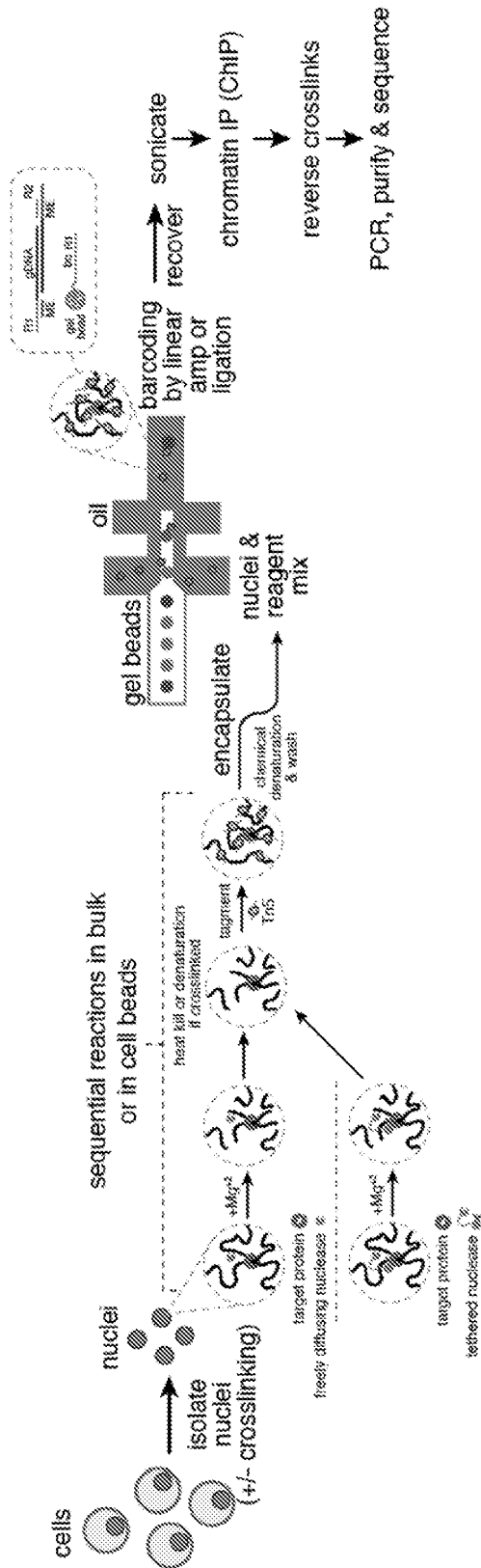


FIG. 97

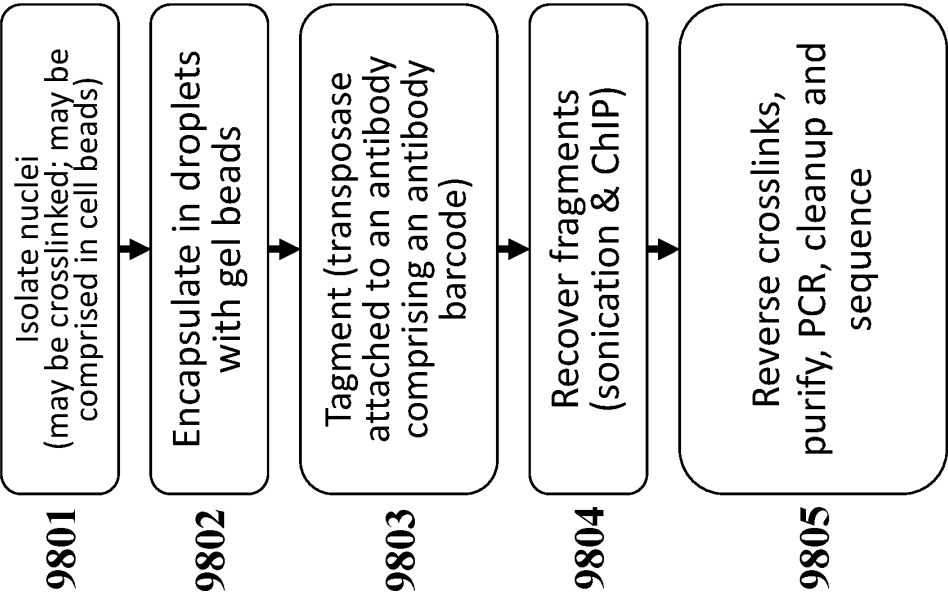


FIG. 98

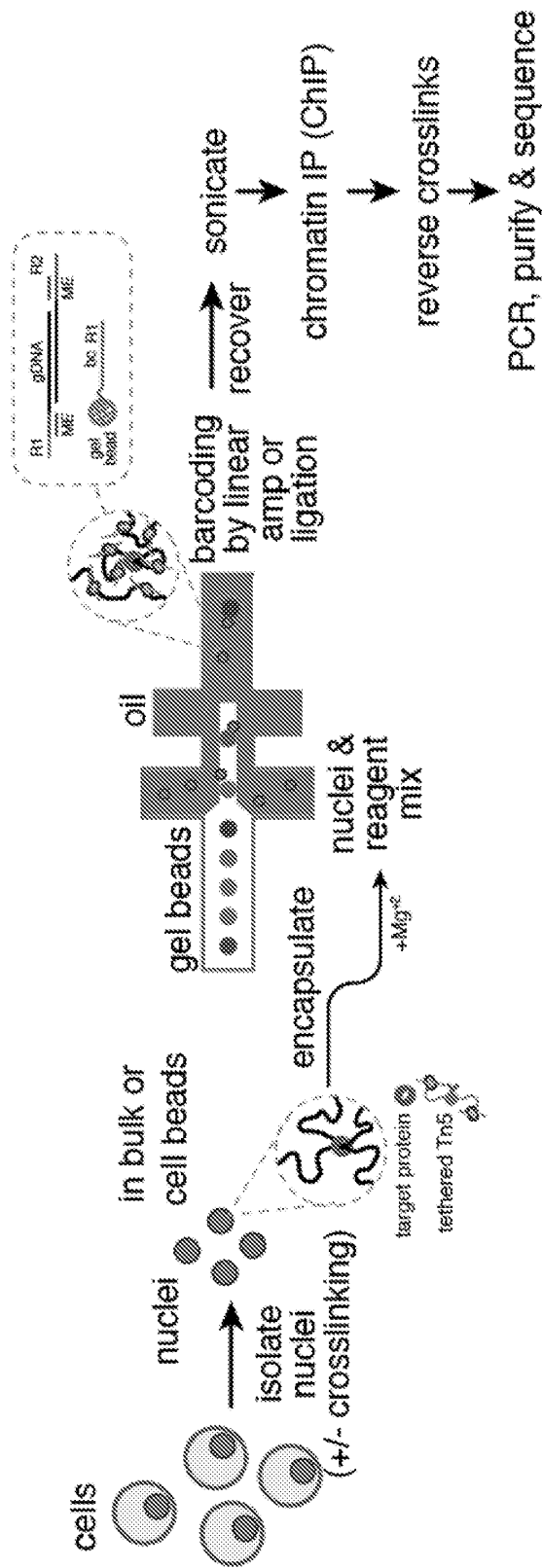


FIG. 99

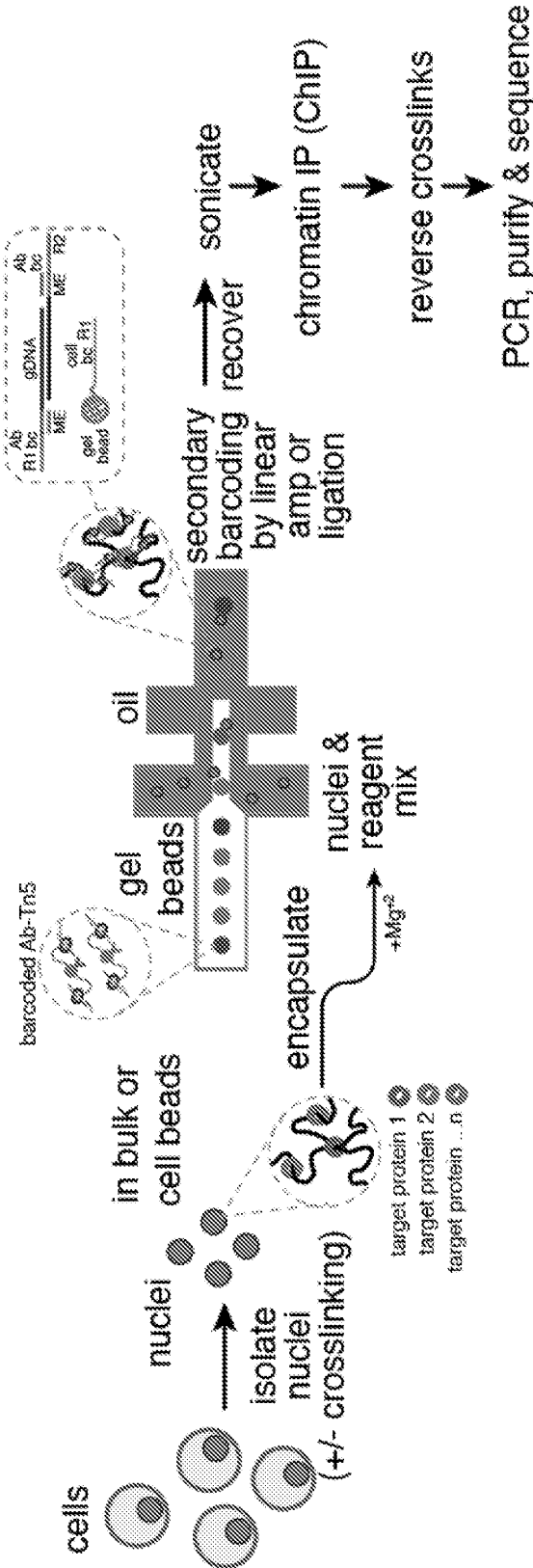


FIG. 100

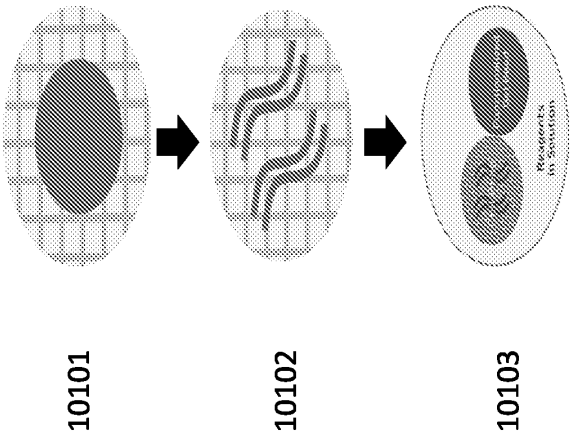


FIG. 101

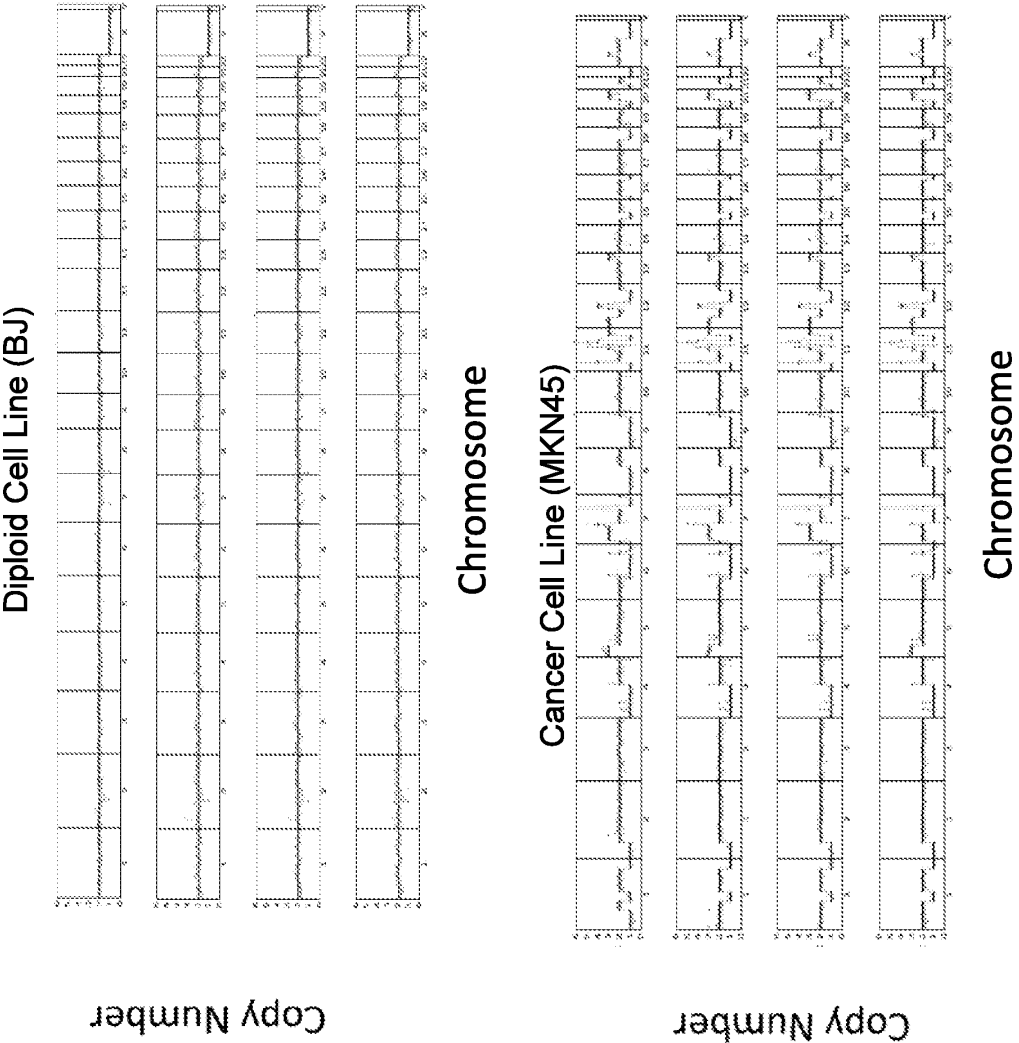
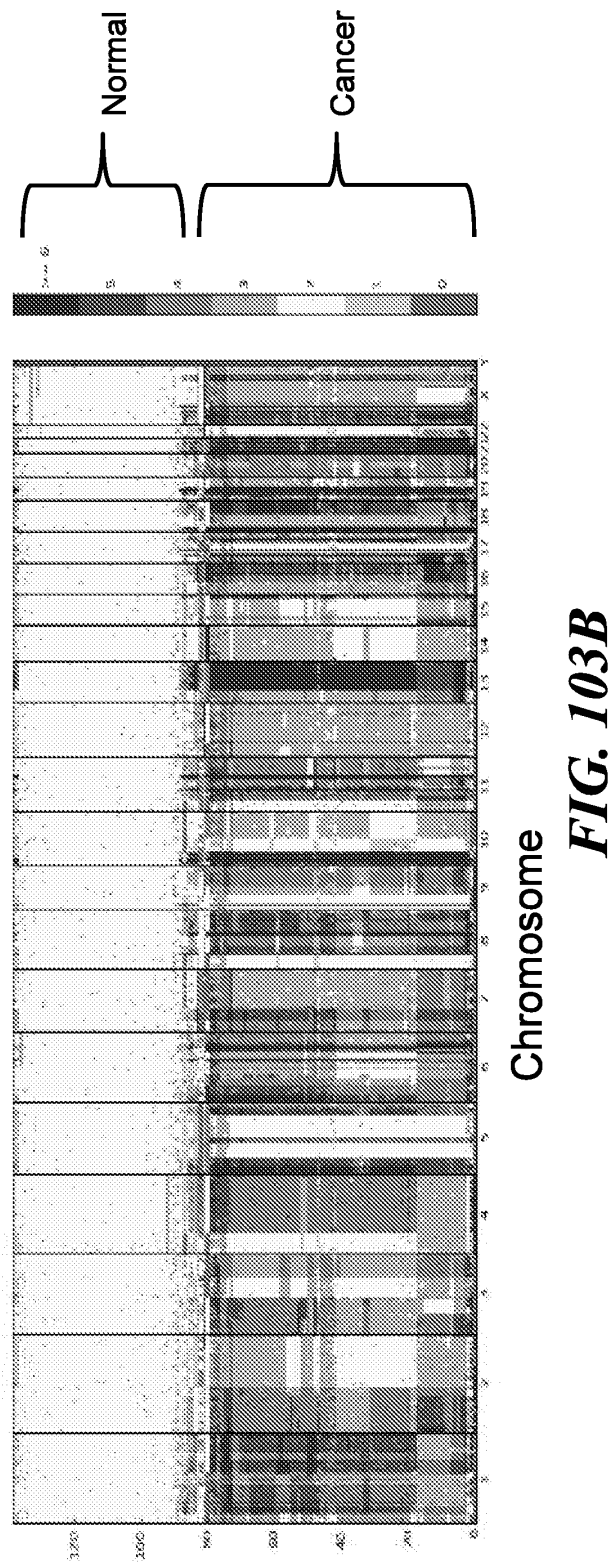
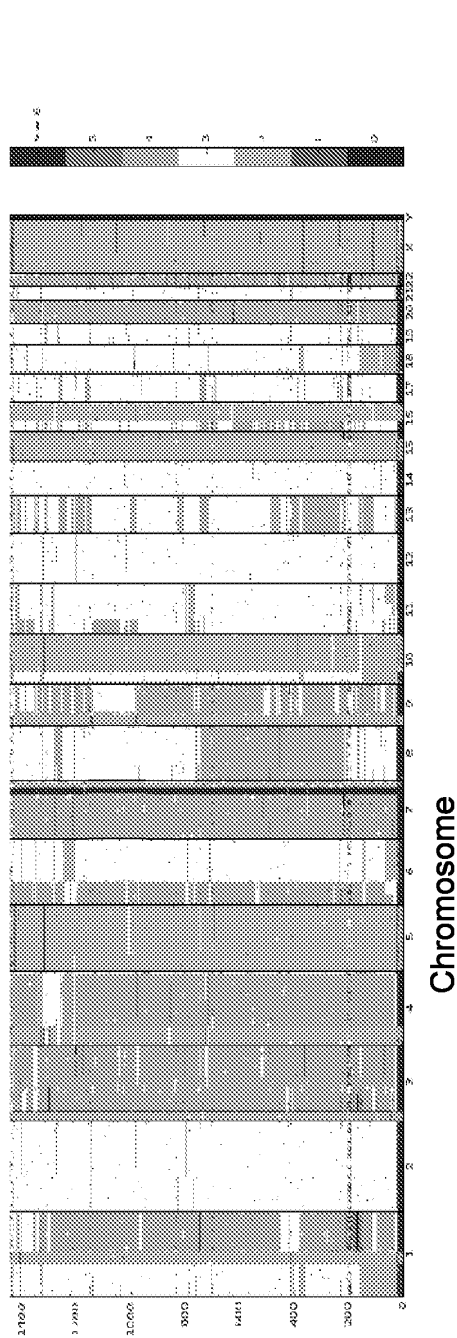


FIG. 102



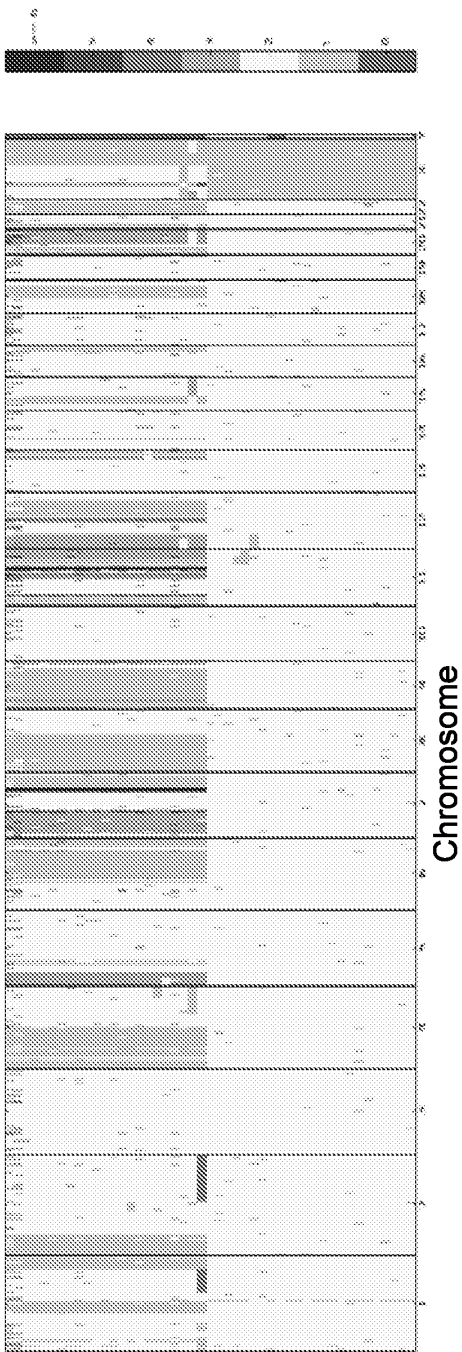


FIG. 104A

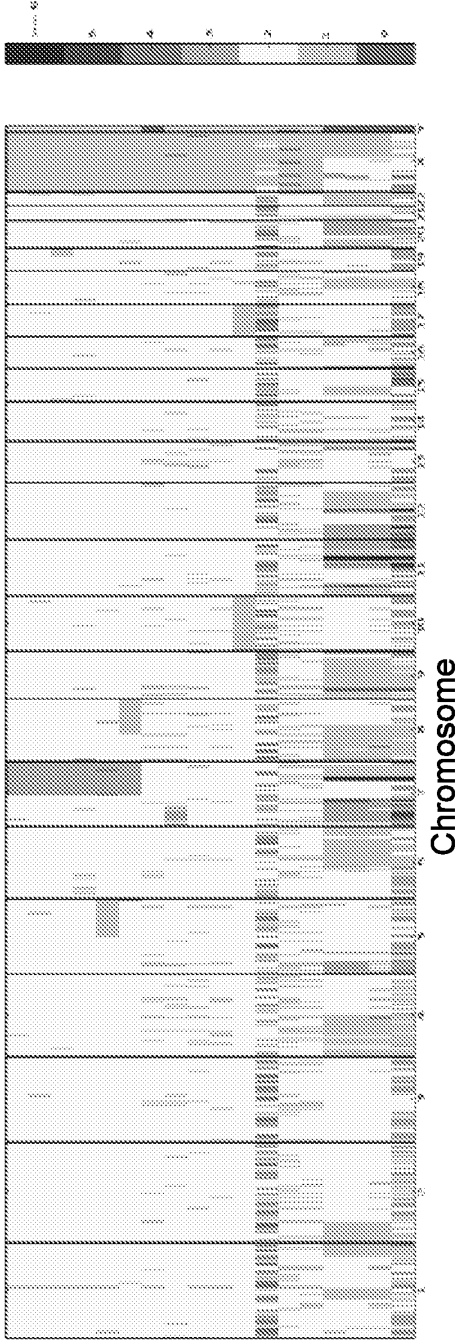


FIG. 104B

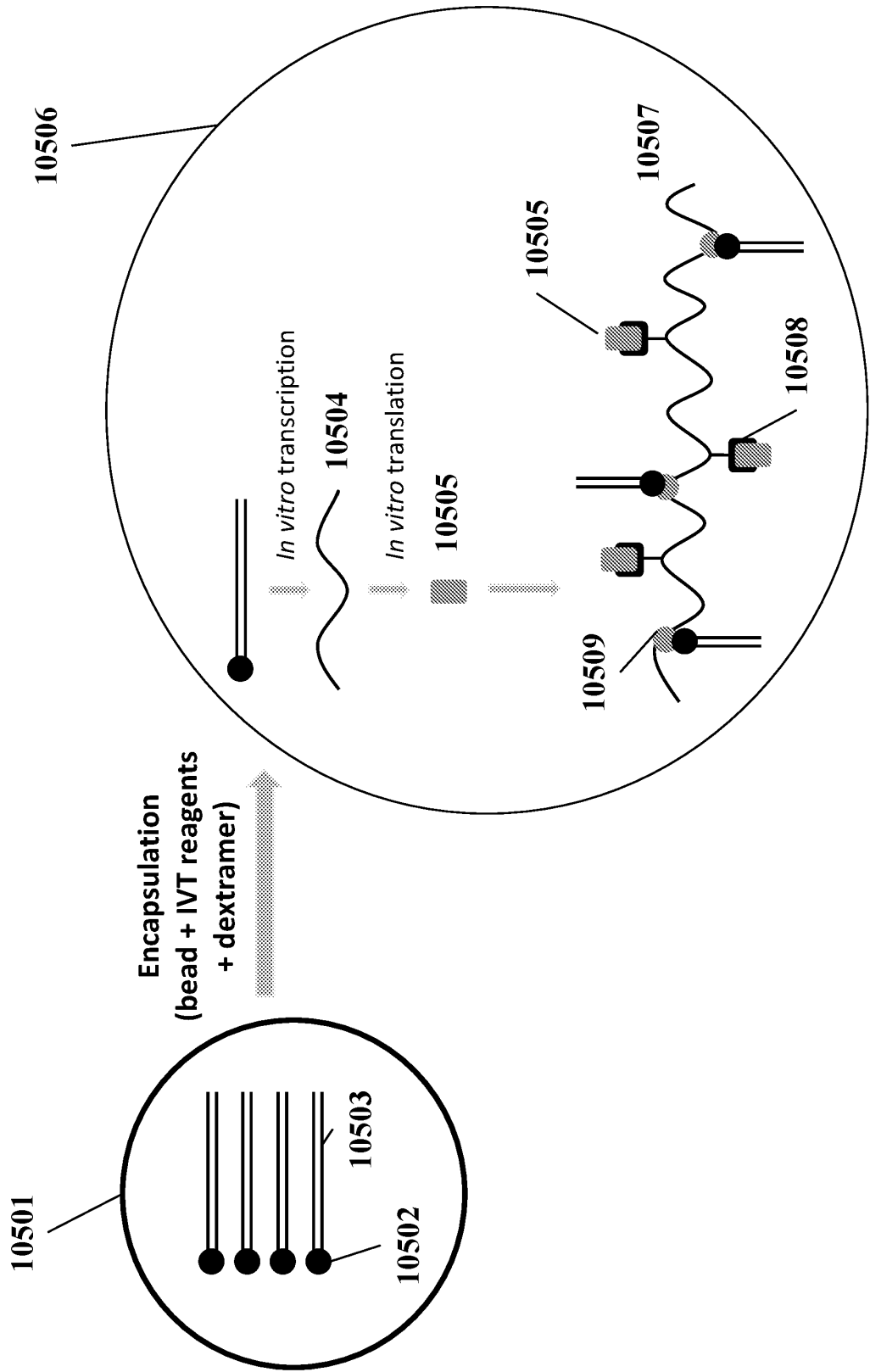


FIG. 105

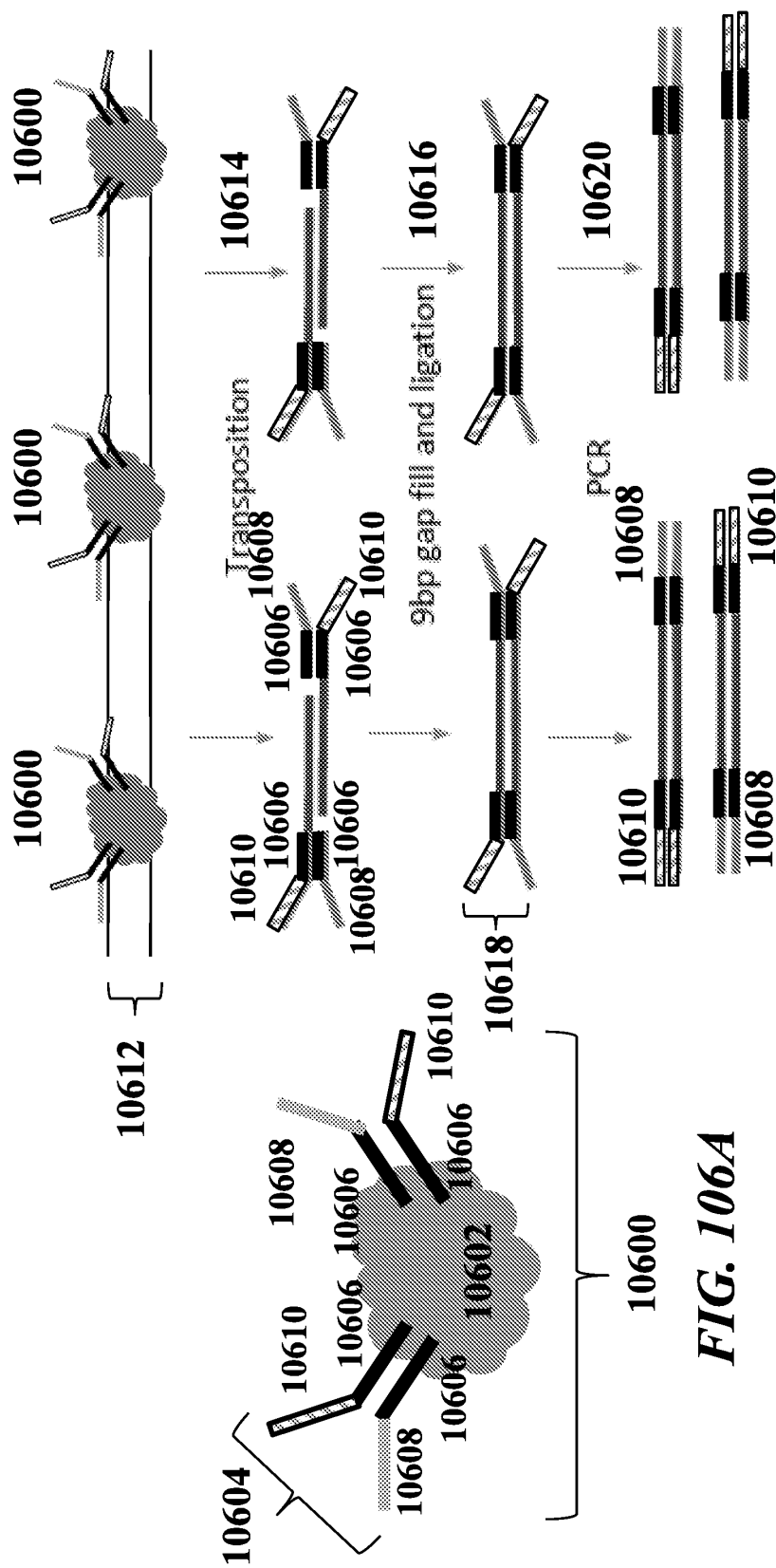
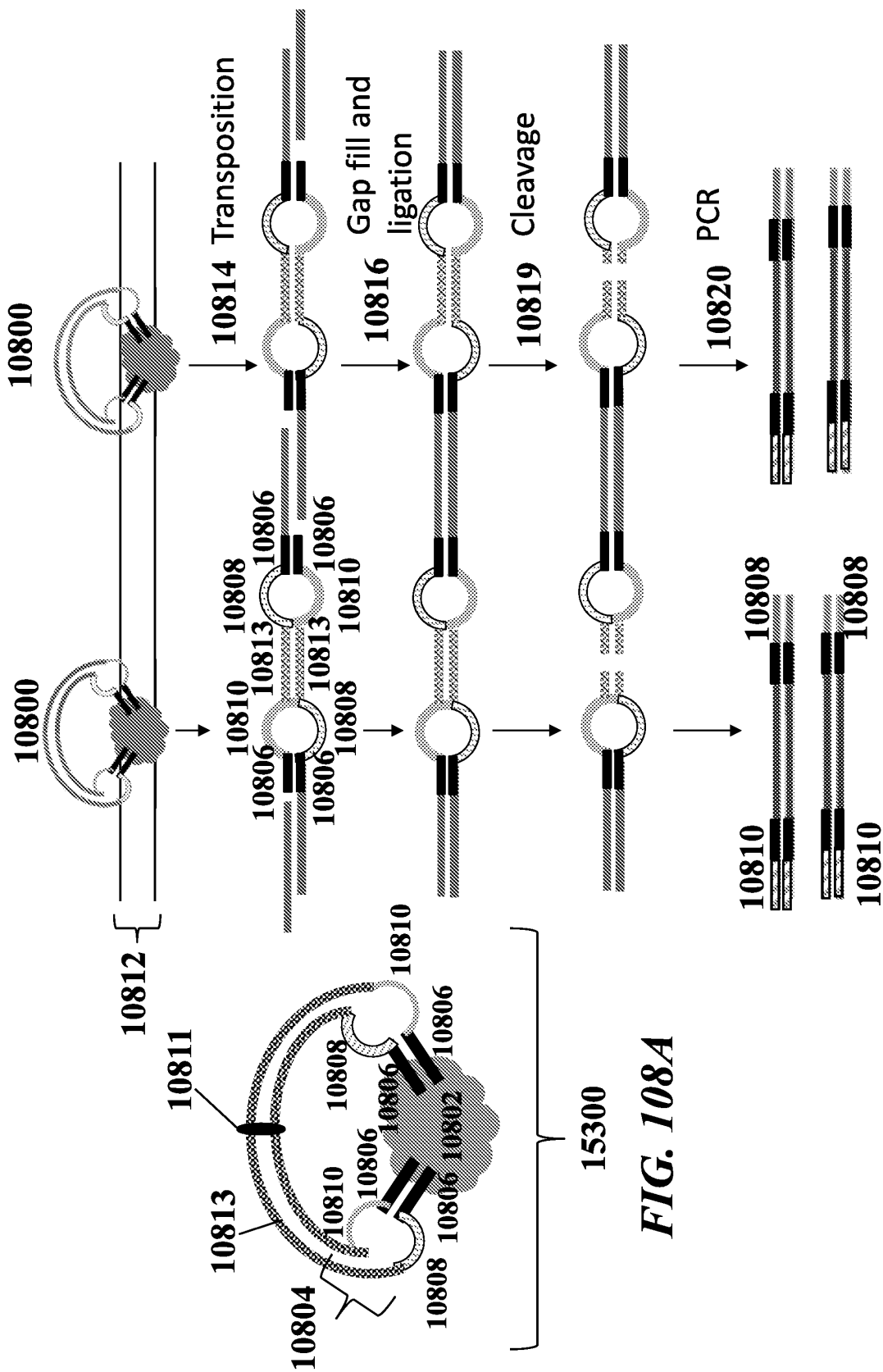


FIG. 106A

FIG. 106B



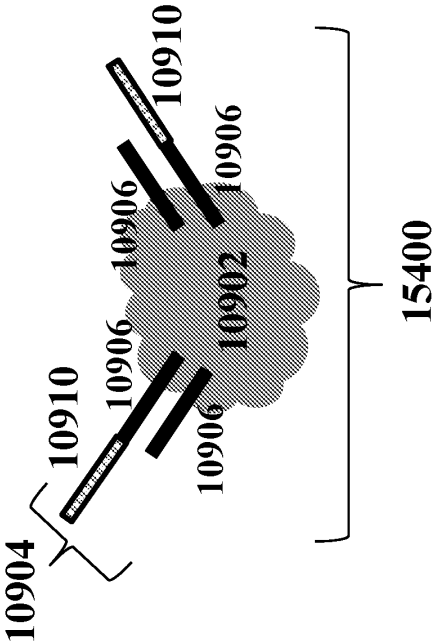
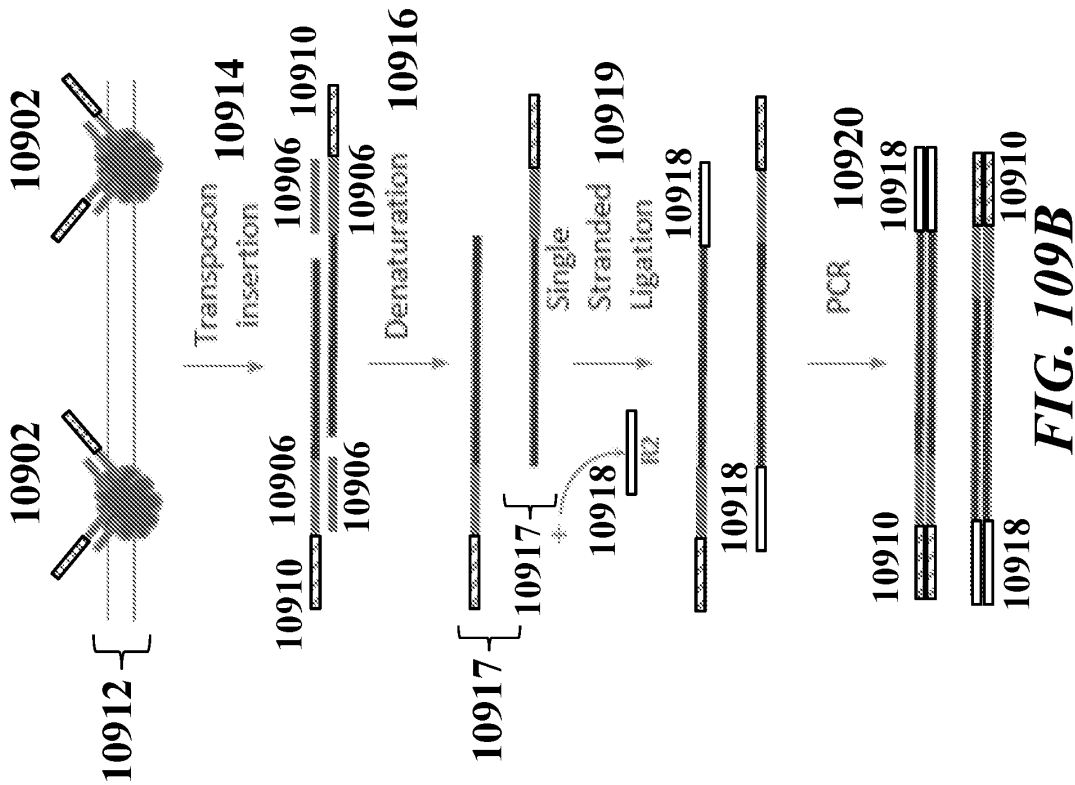
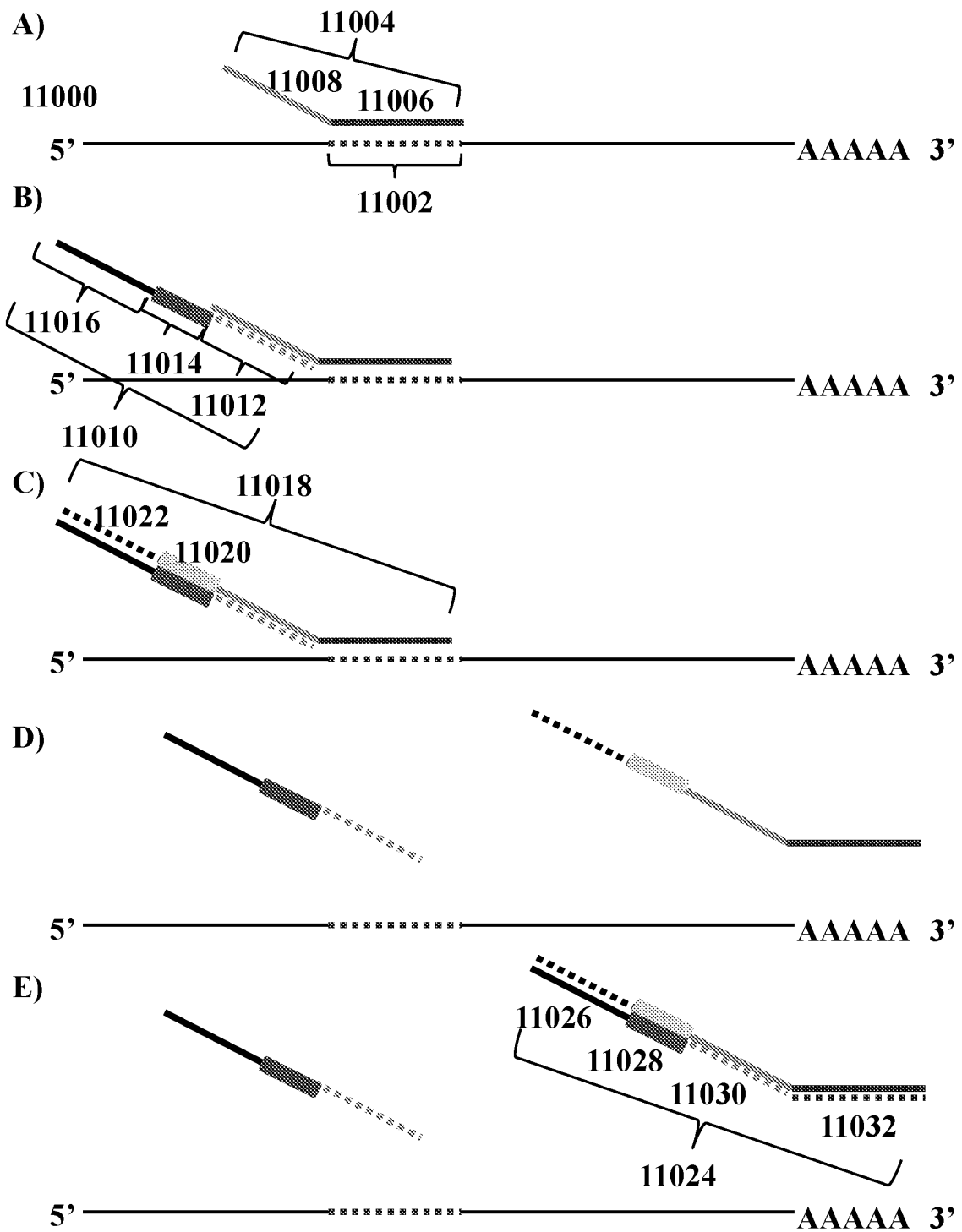


FIG. 109A

FIG. 109B

**FIG. 110**



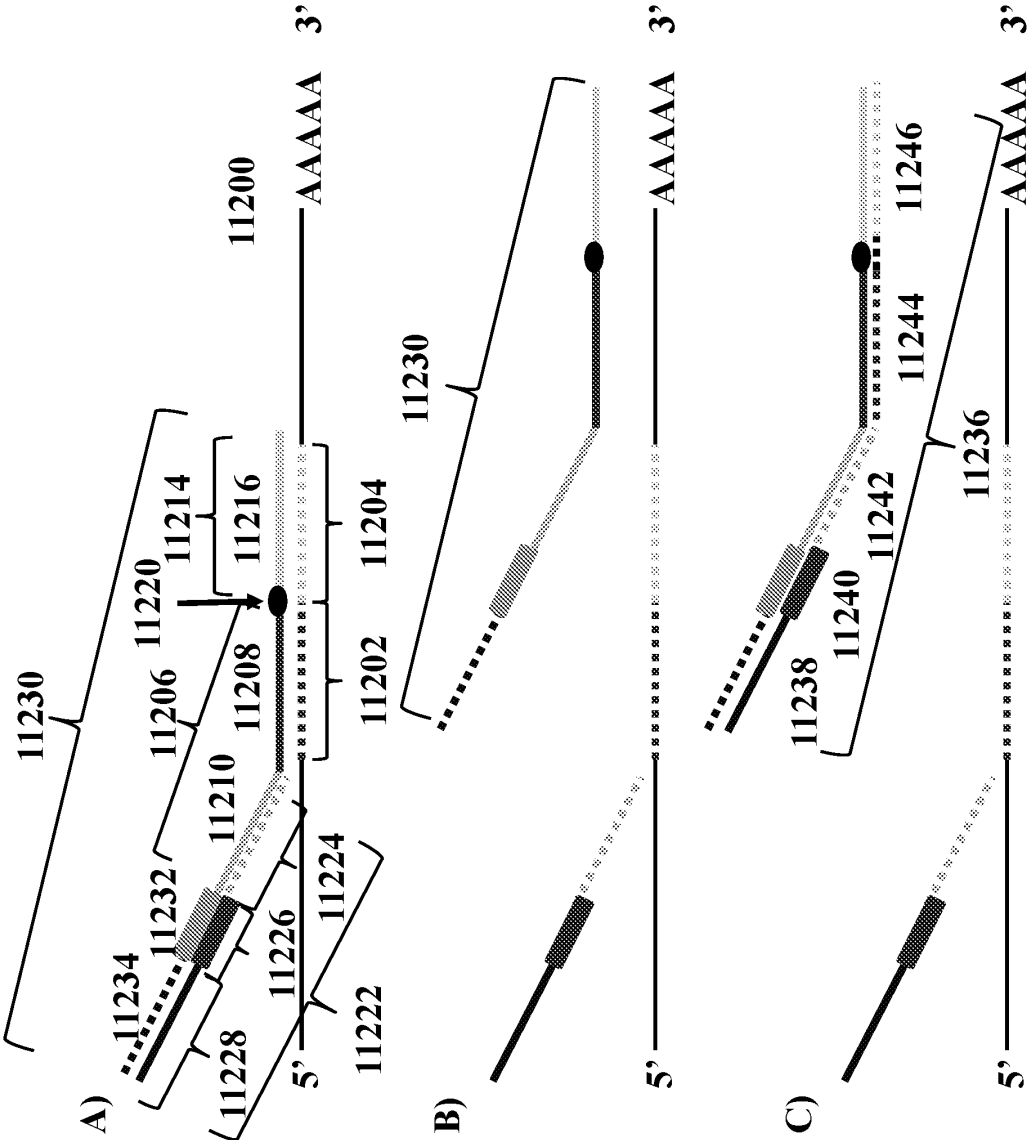
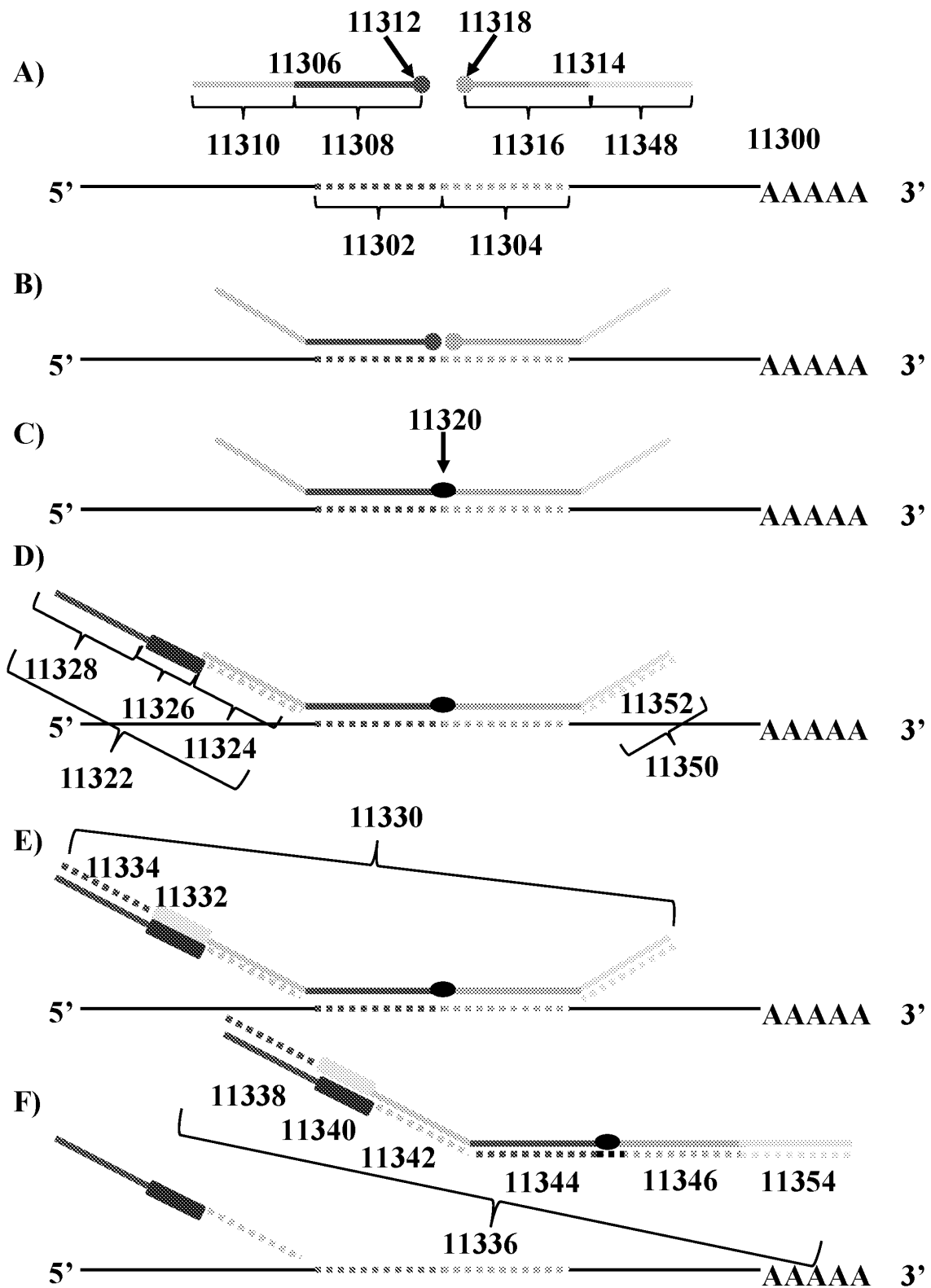
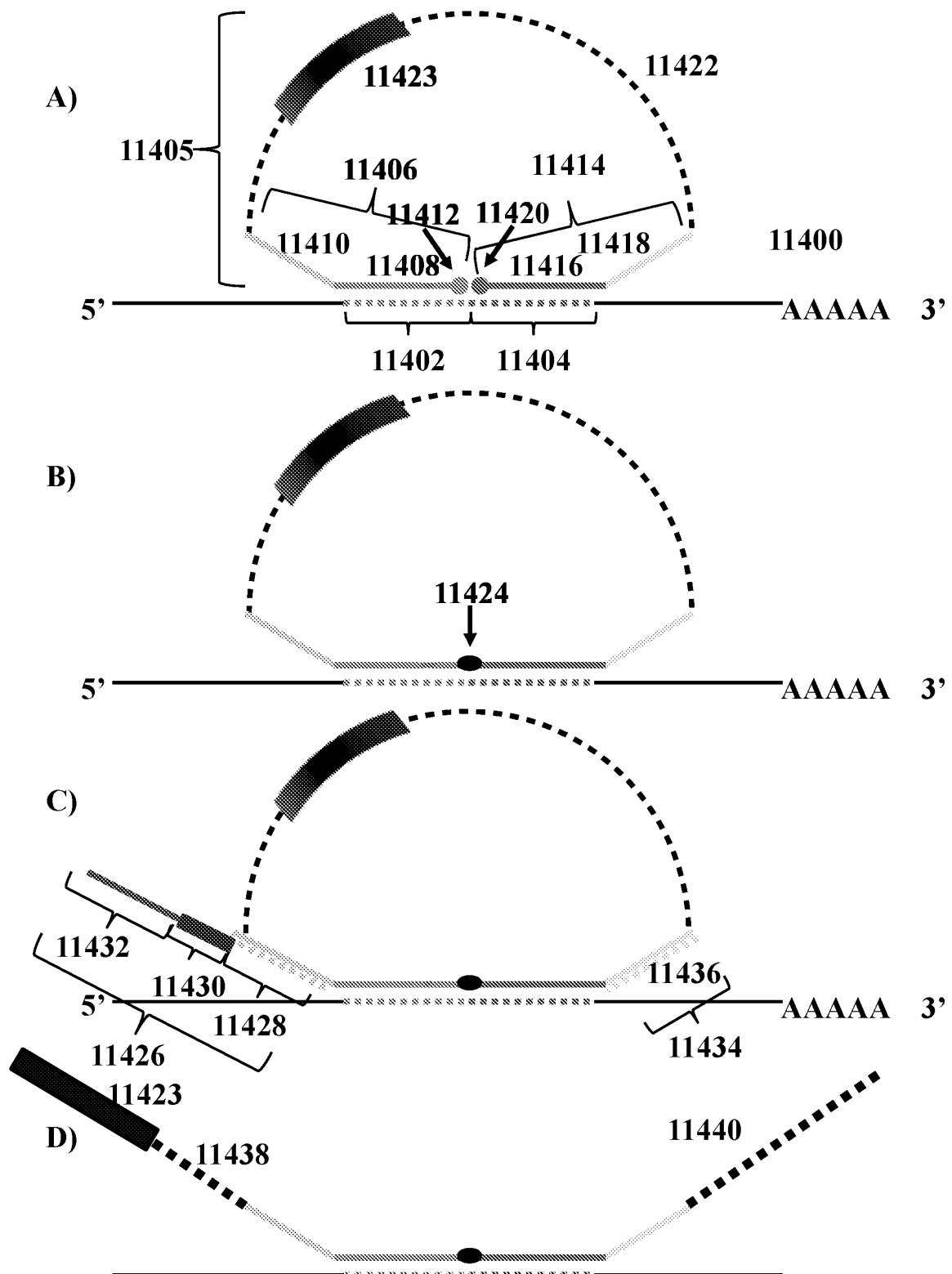
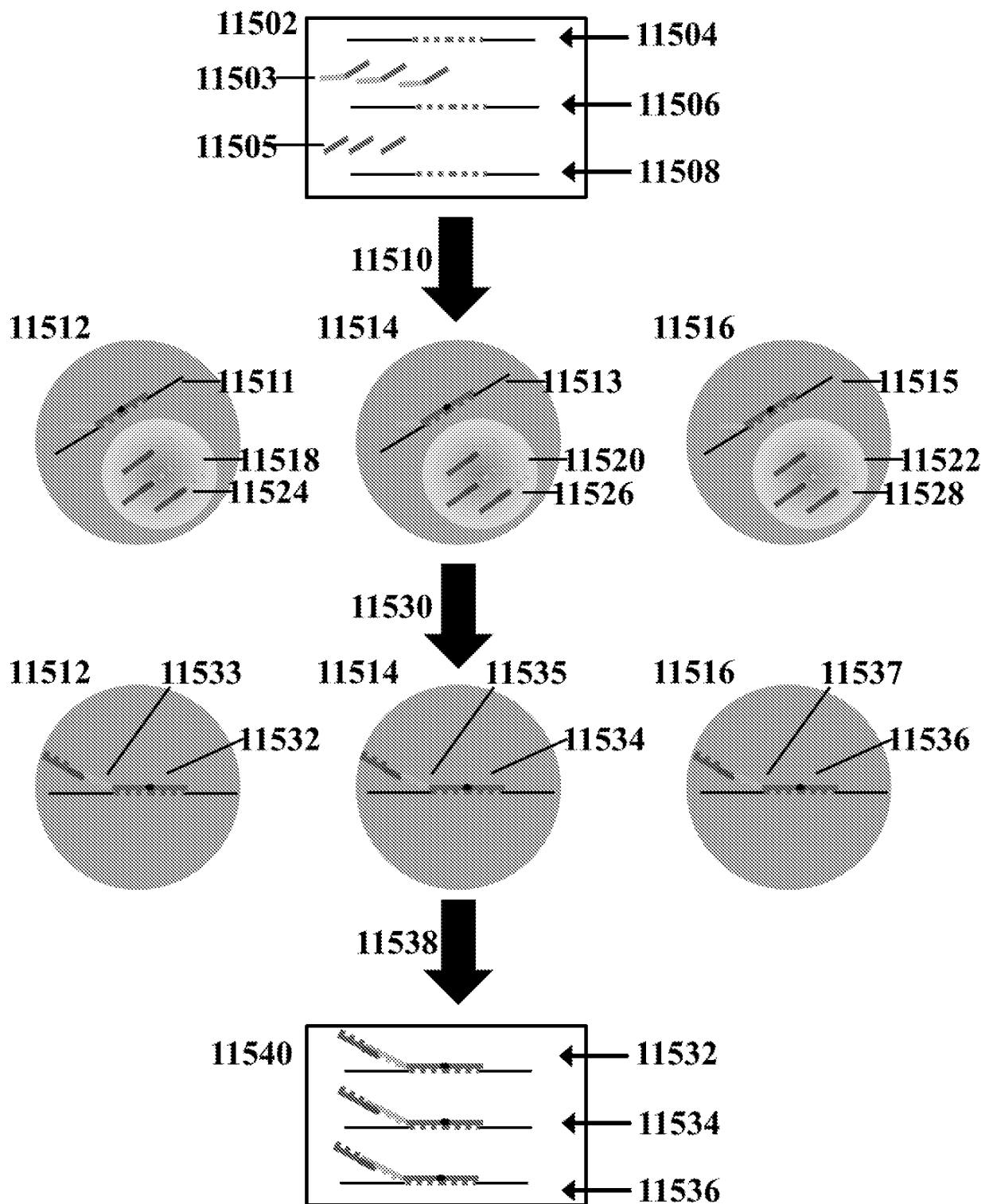
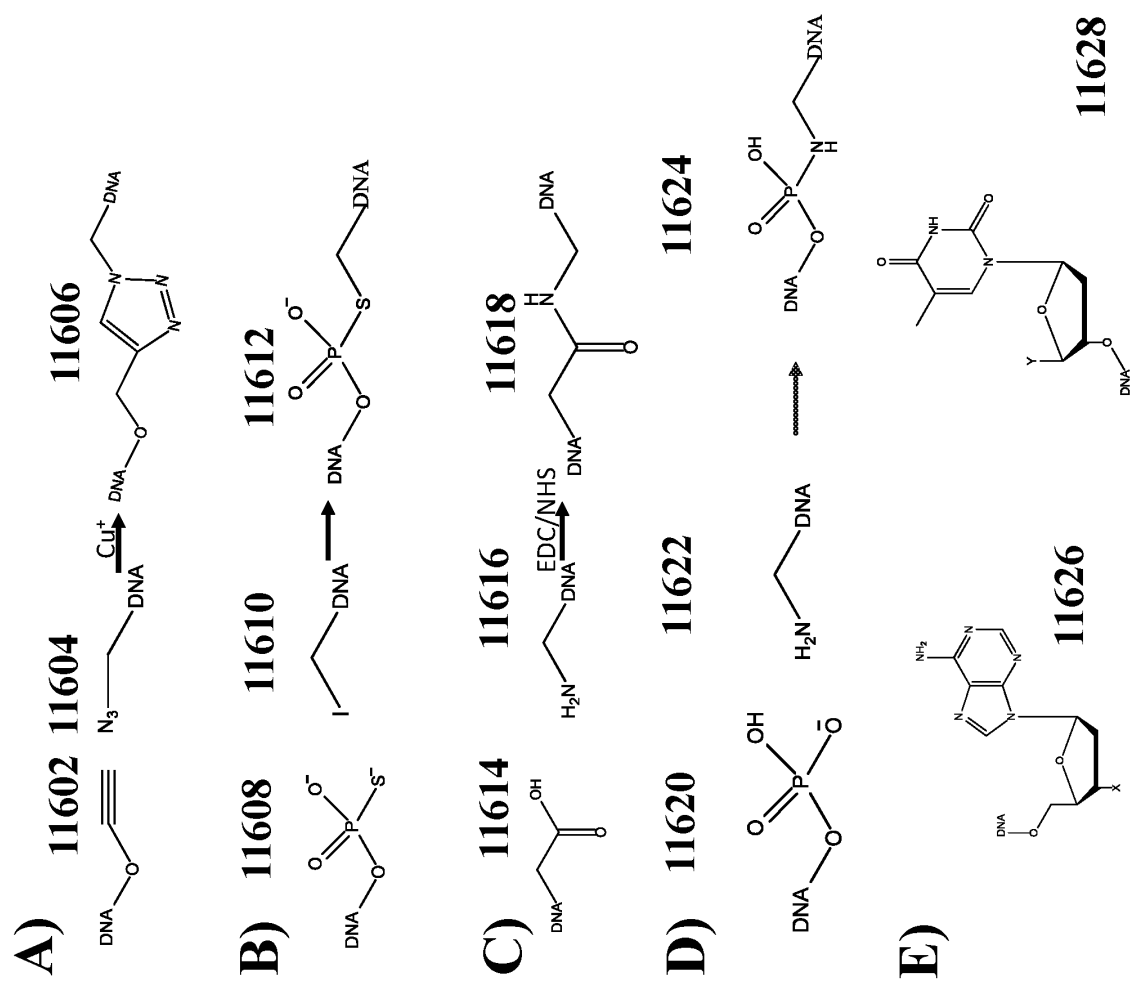


FIG. 112

**FIG. 113**

**FIG. 114**

*FIG. 115*

**FIG. 116**

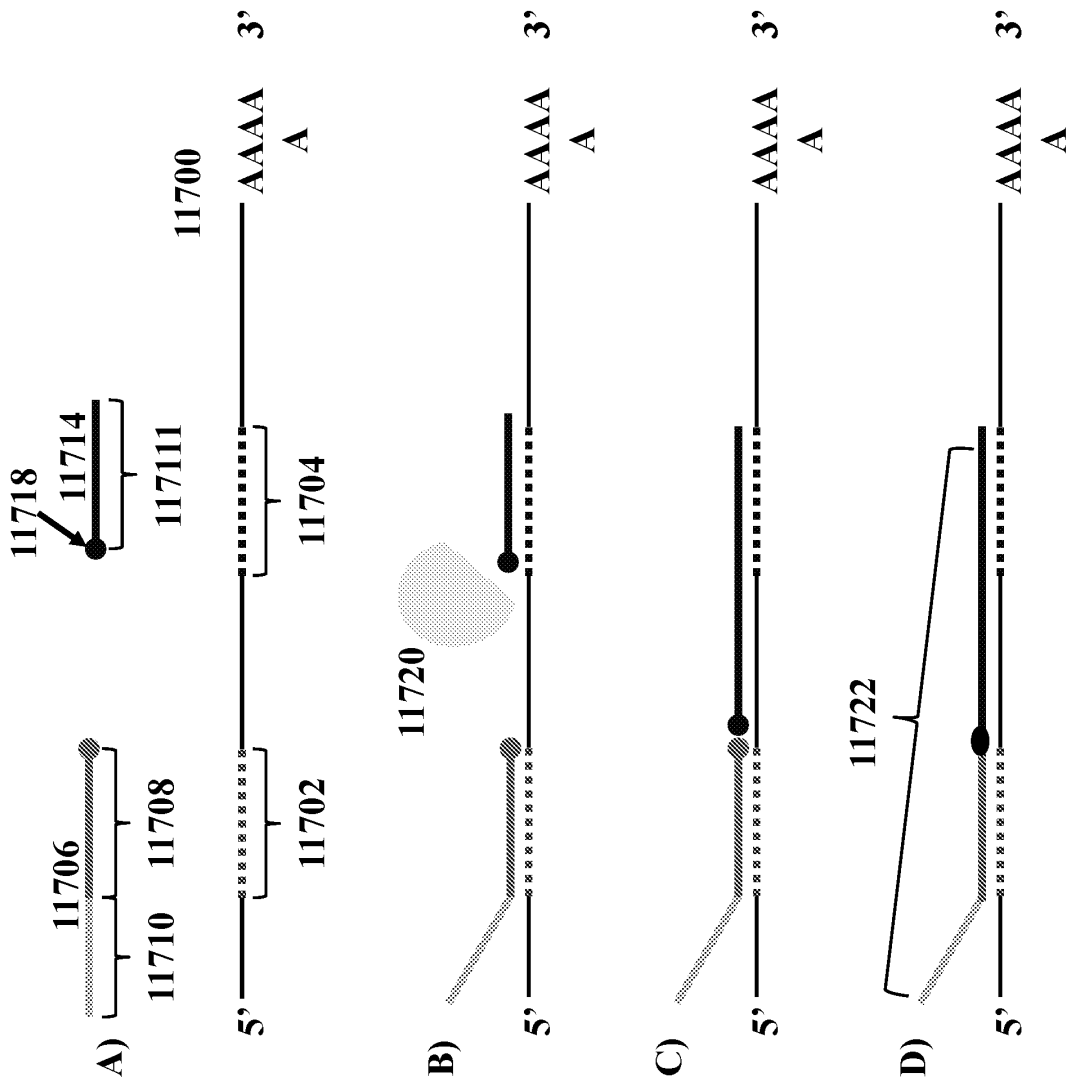


FIG. 117

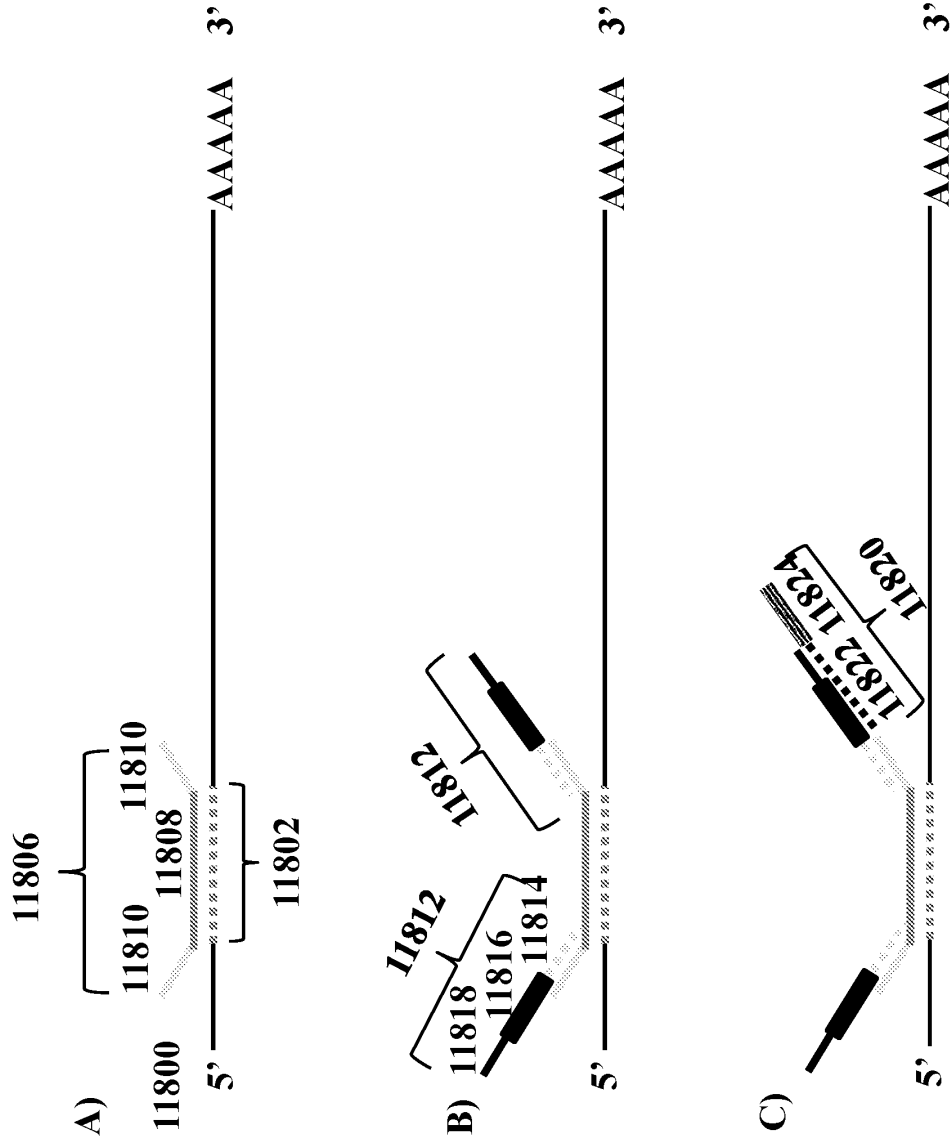
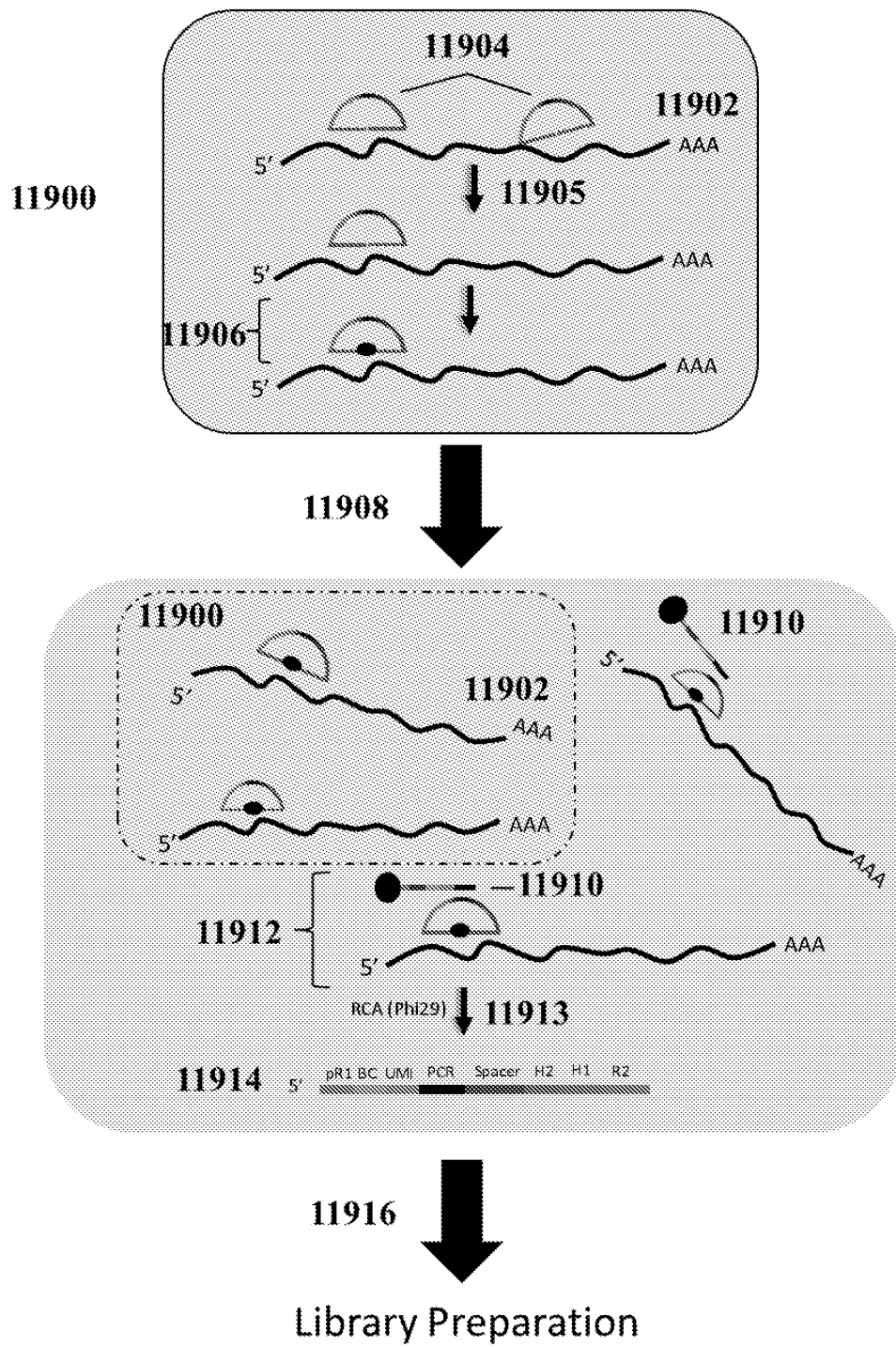
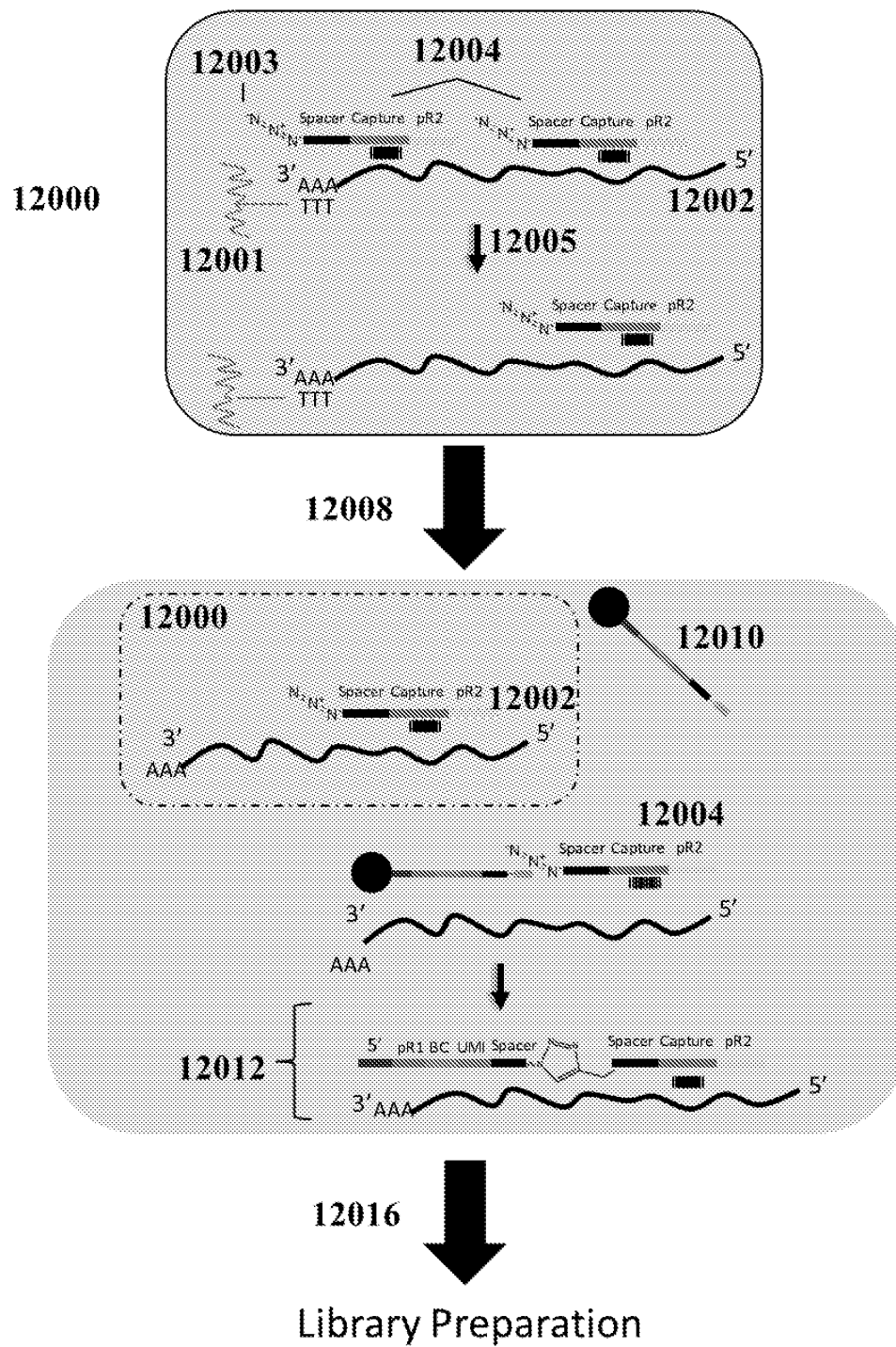


FIG. 118

**FIG. 119**

**FIG. 120**

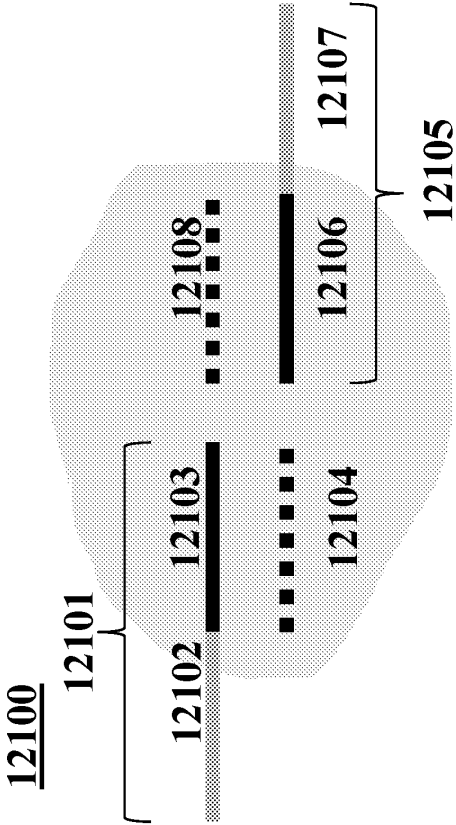


FIG. 121

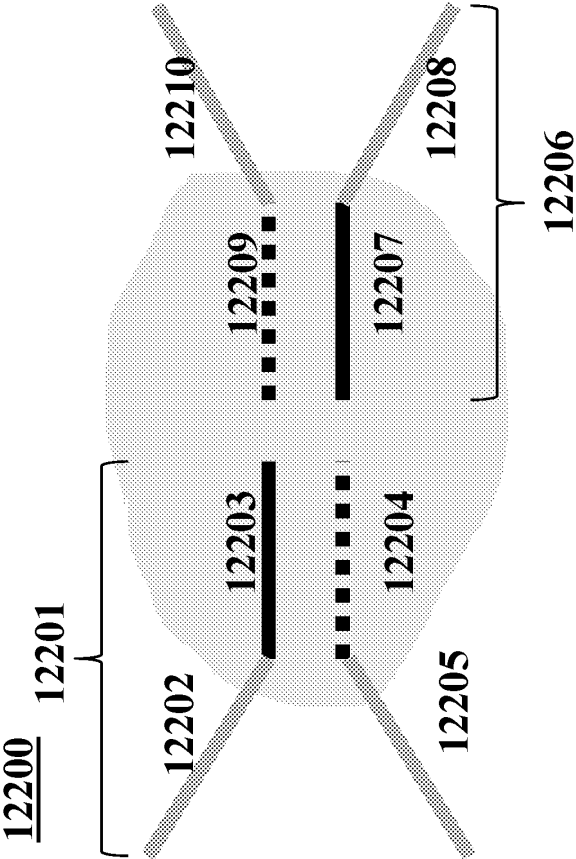


FIG. 122

12300

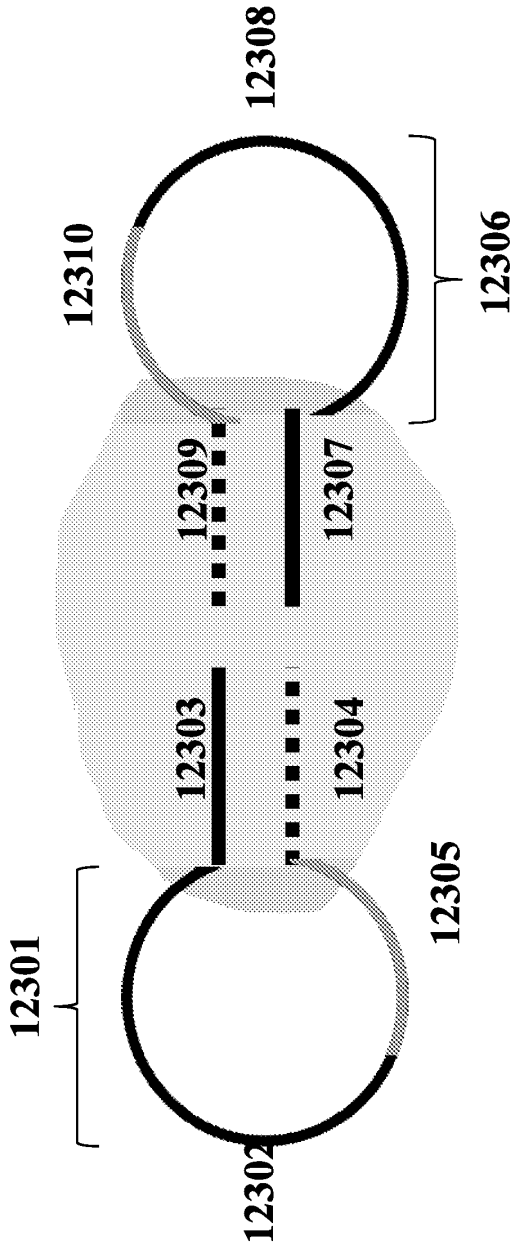


FIG. 123

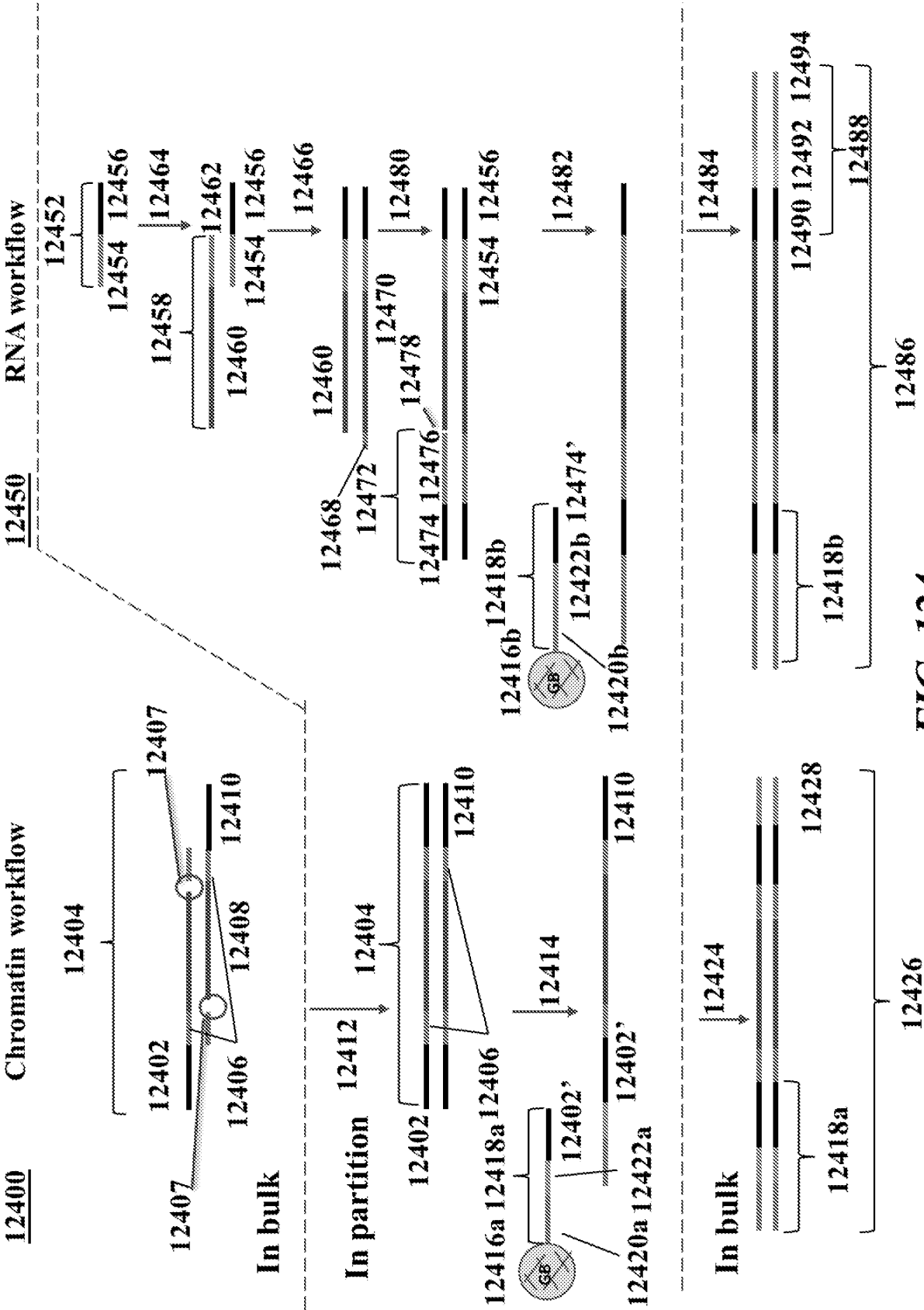


FIG. 124

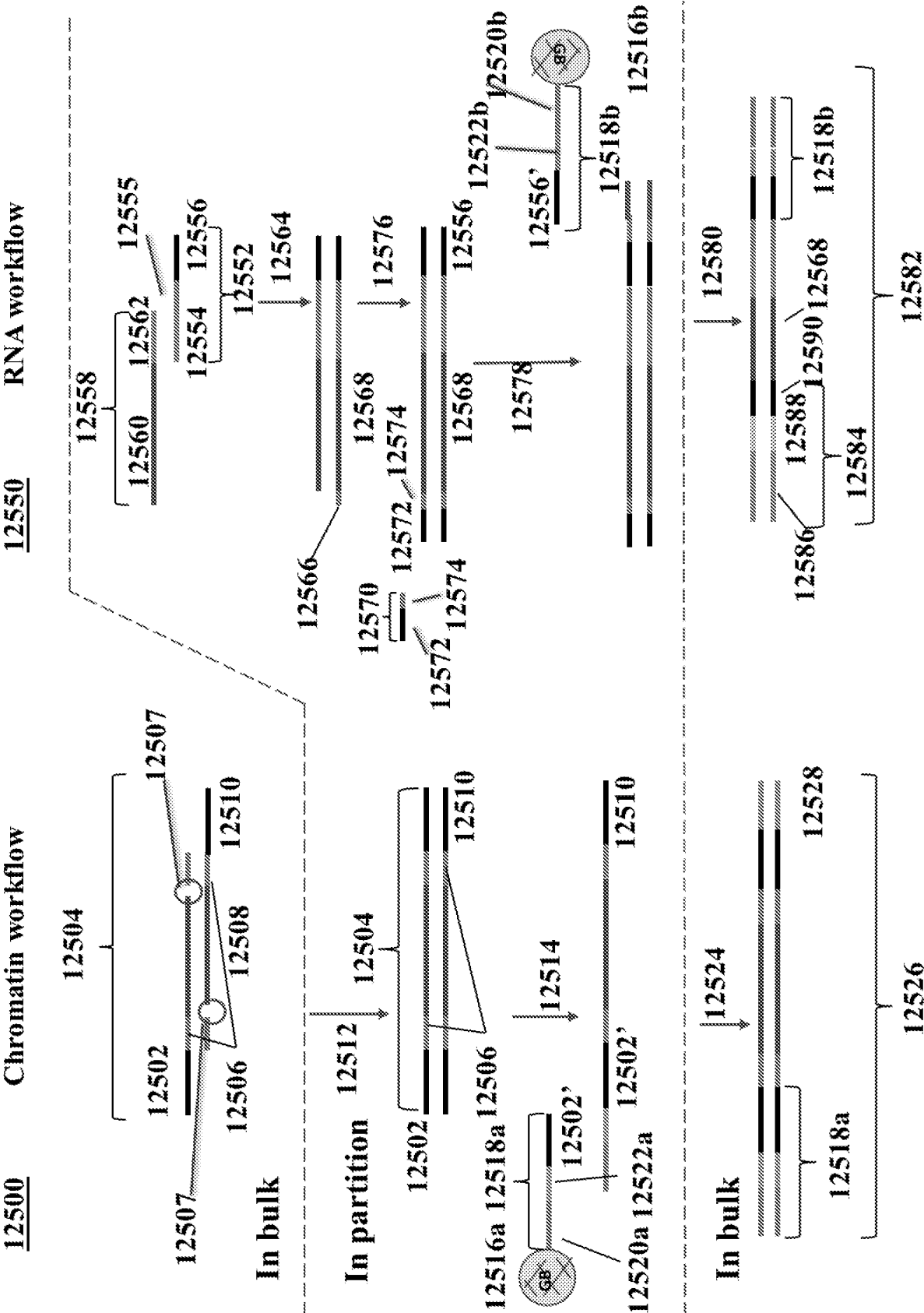


FIG. 125

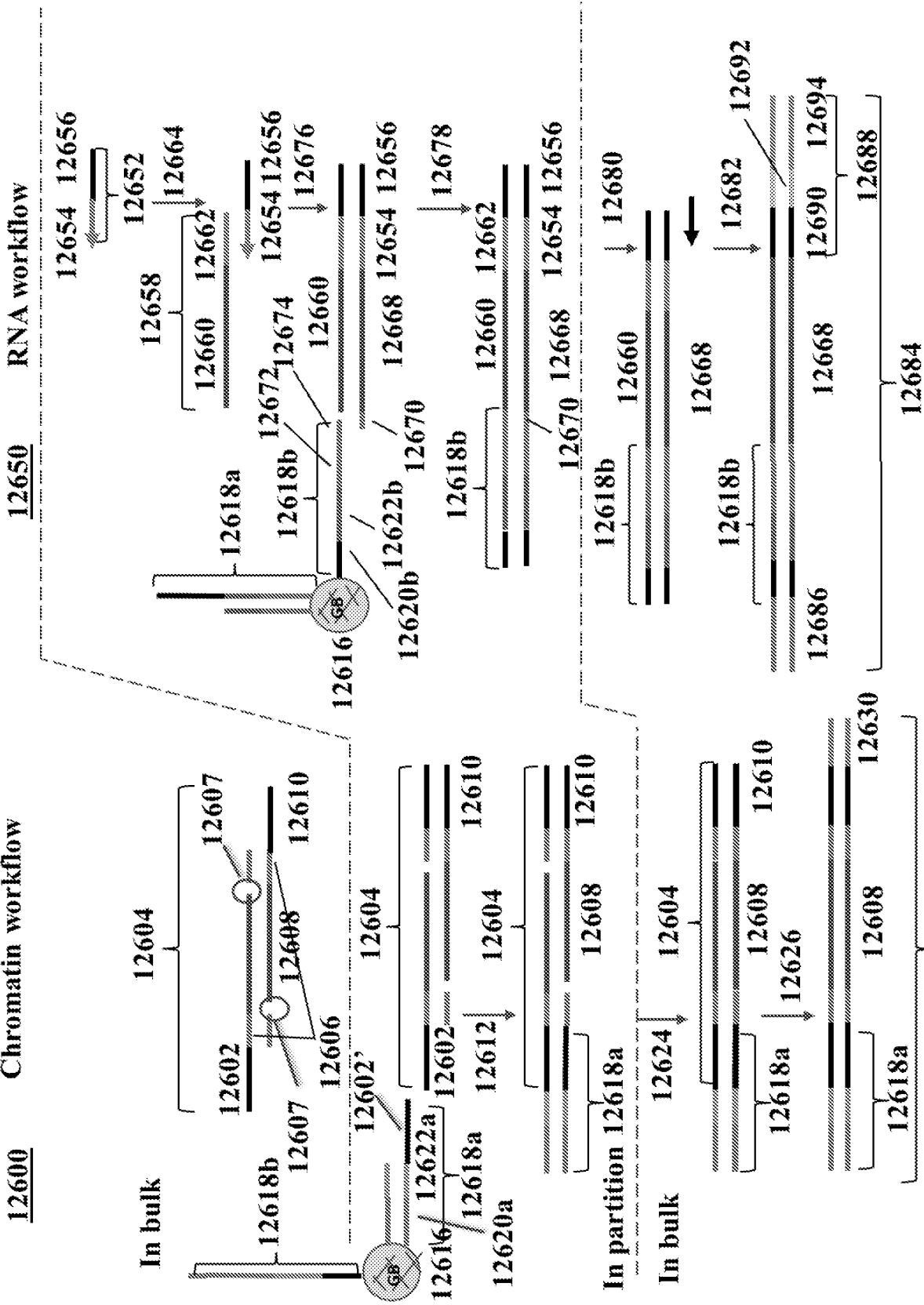


FIG. 126

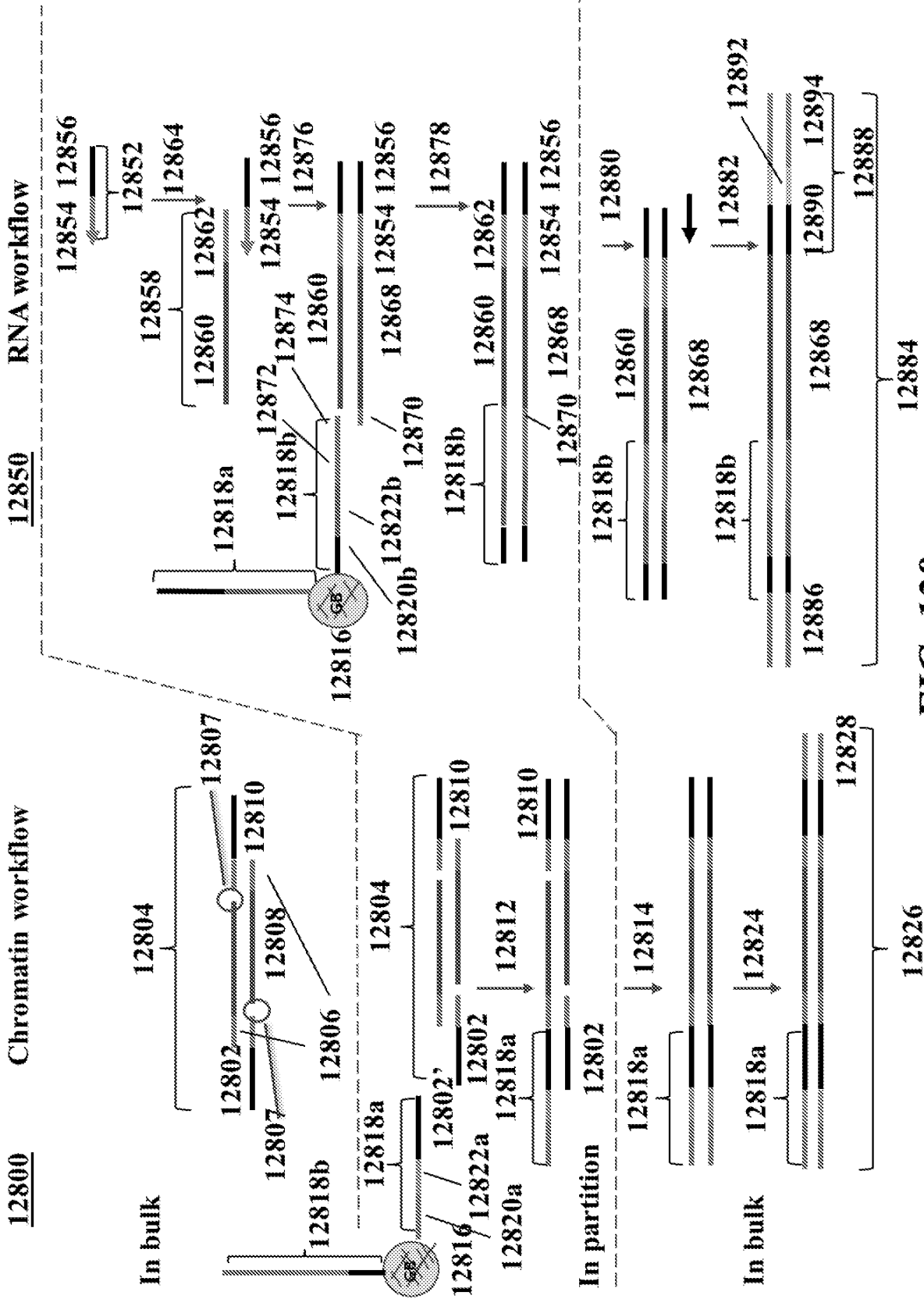


FIG. 128

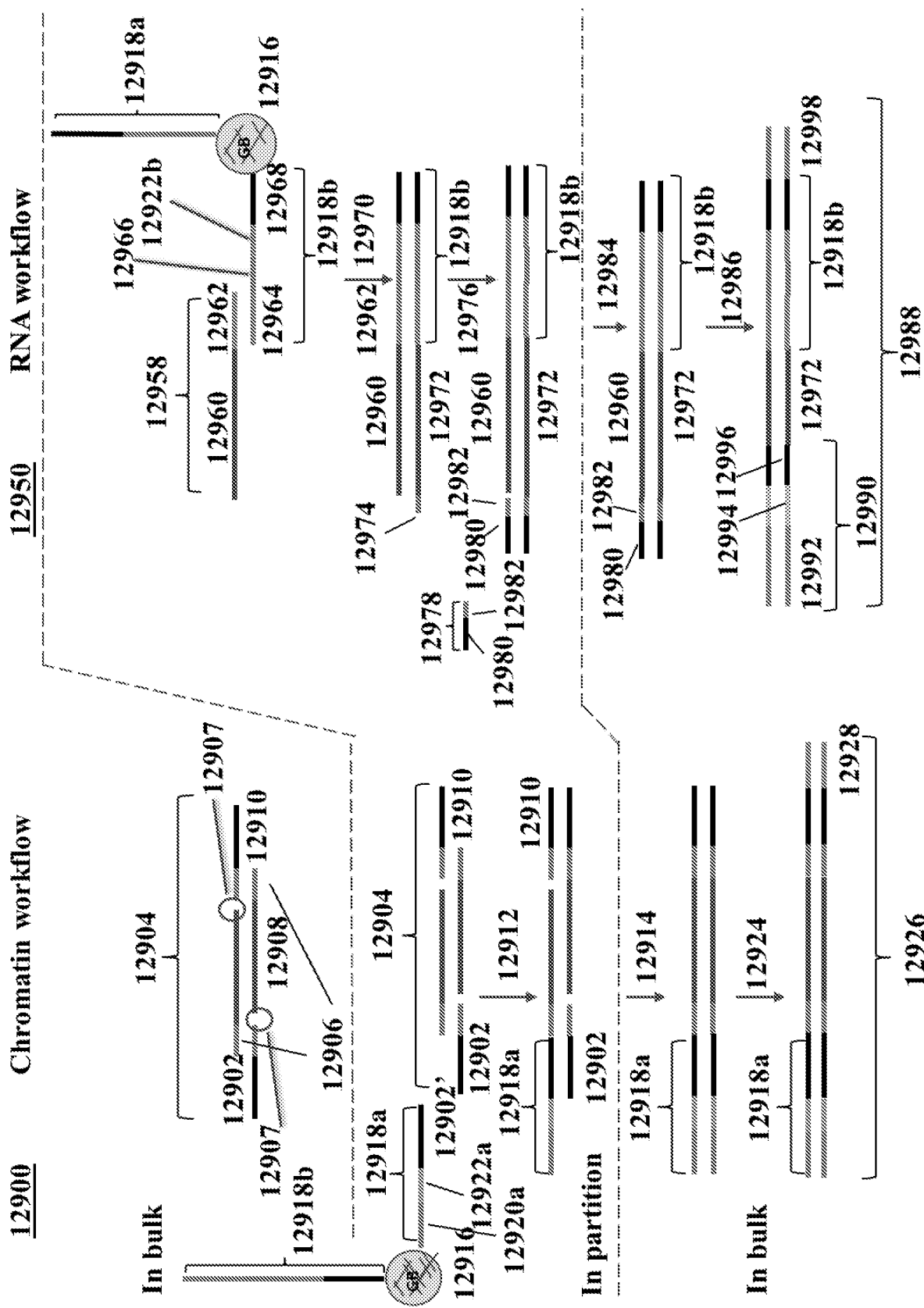


FIG. 129

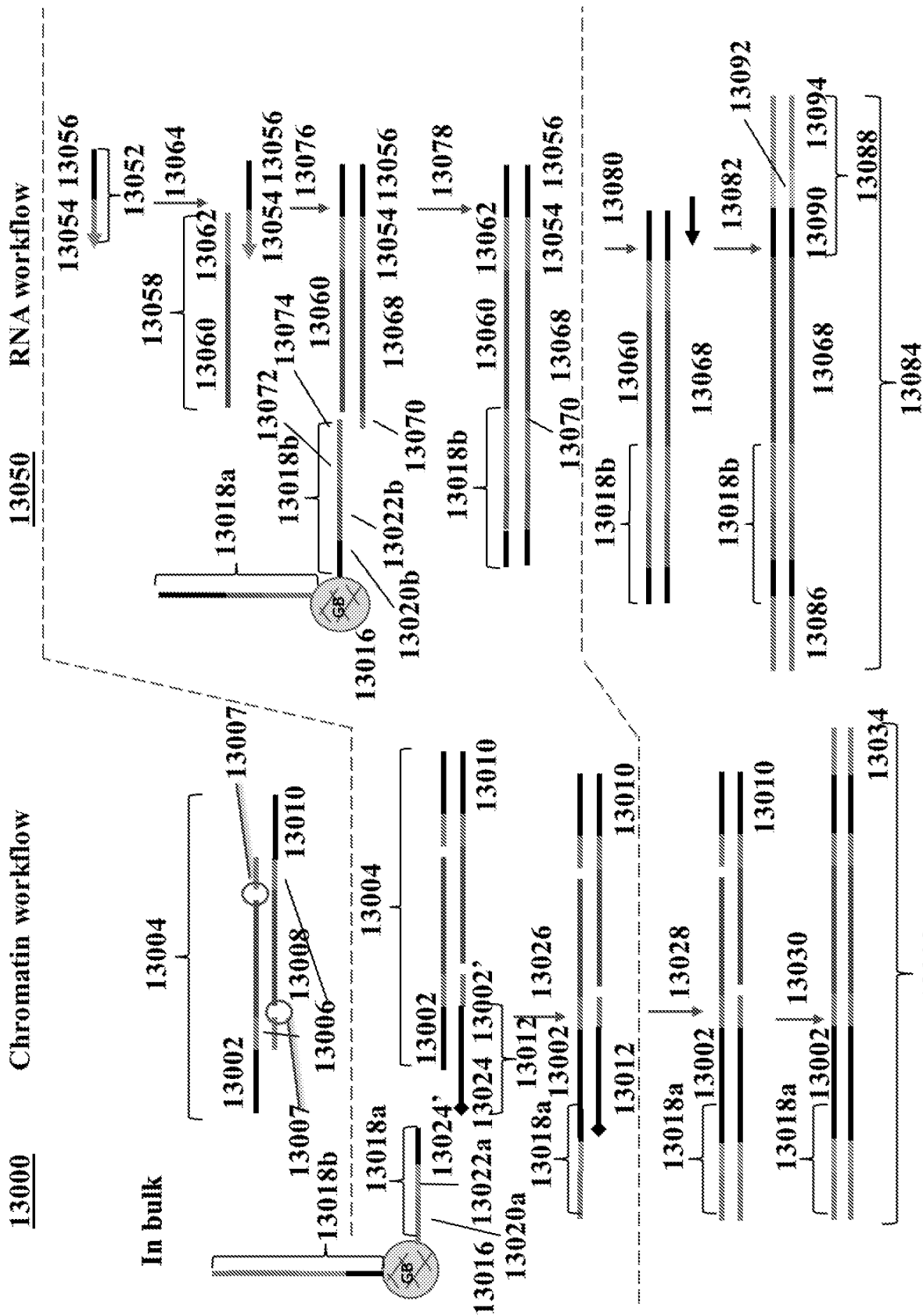


FIG. 130

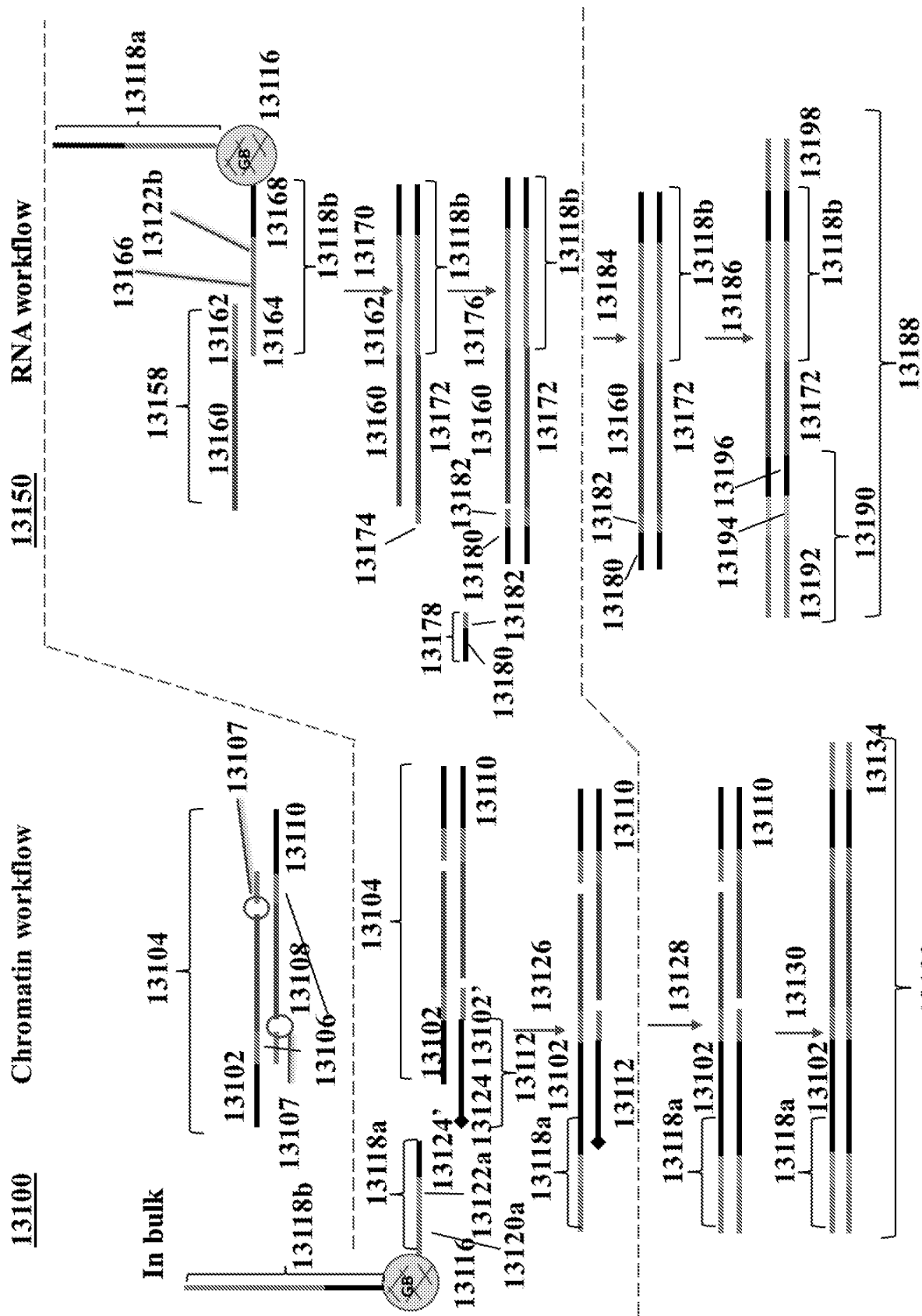


FIG. 131

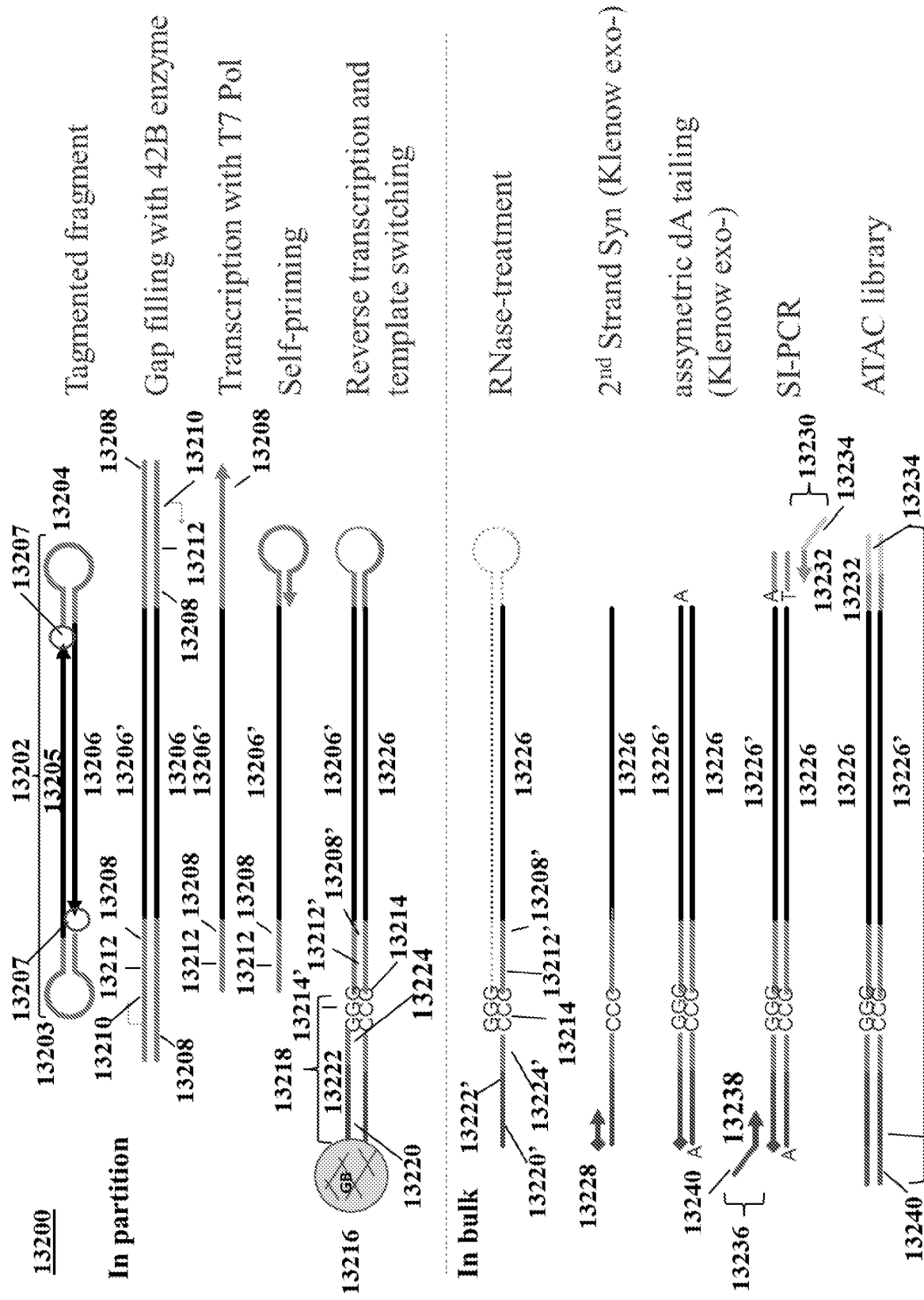


FIG. 132

13300

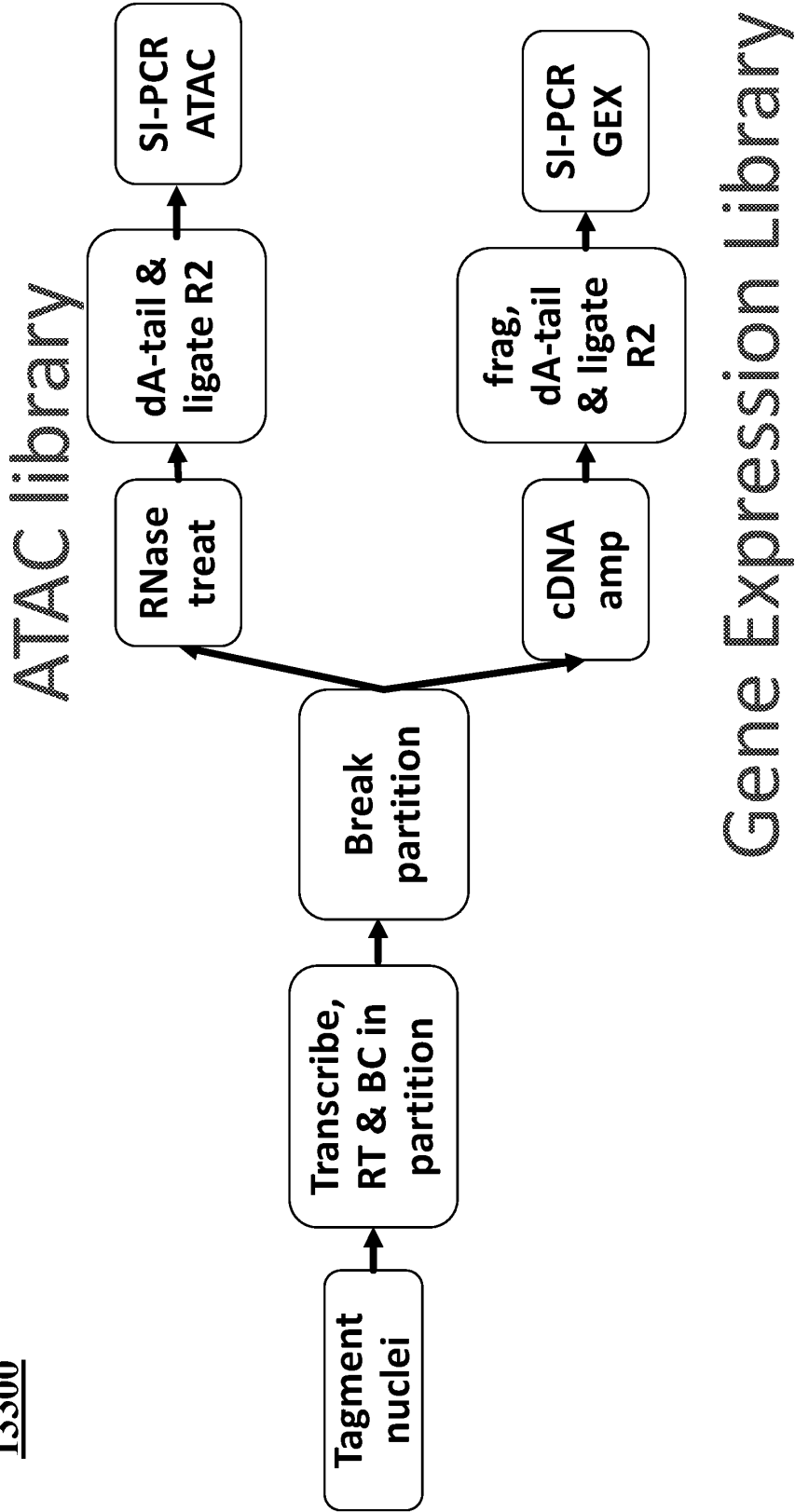


FIG. 133

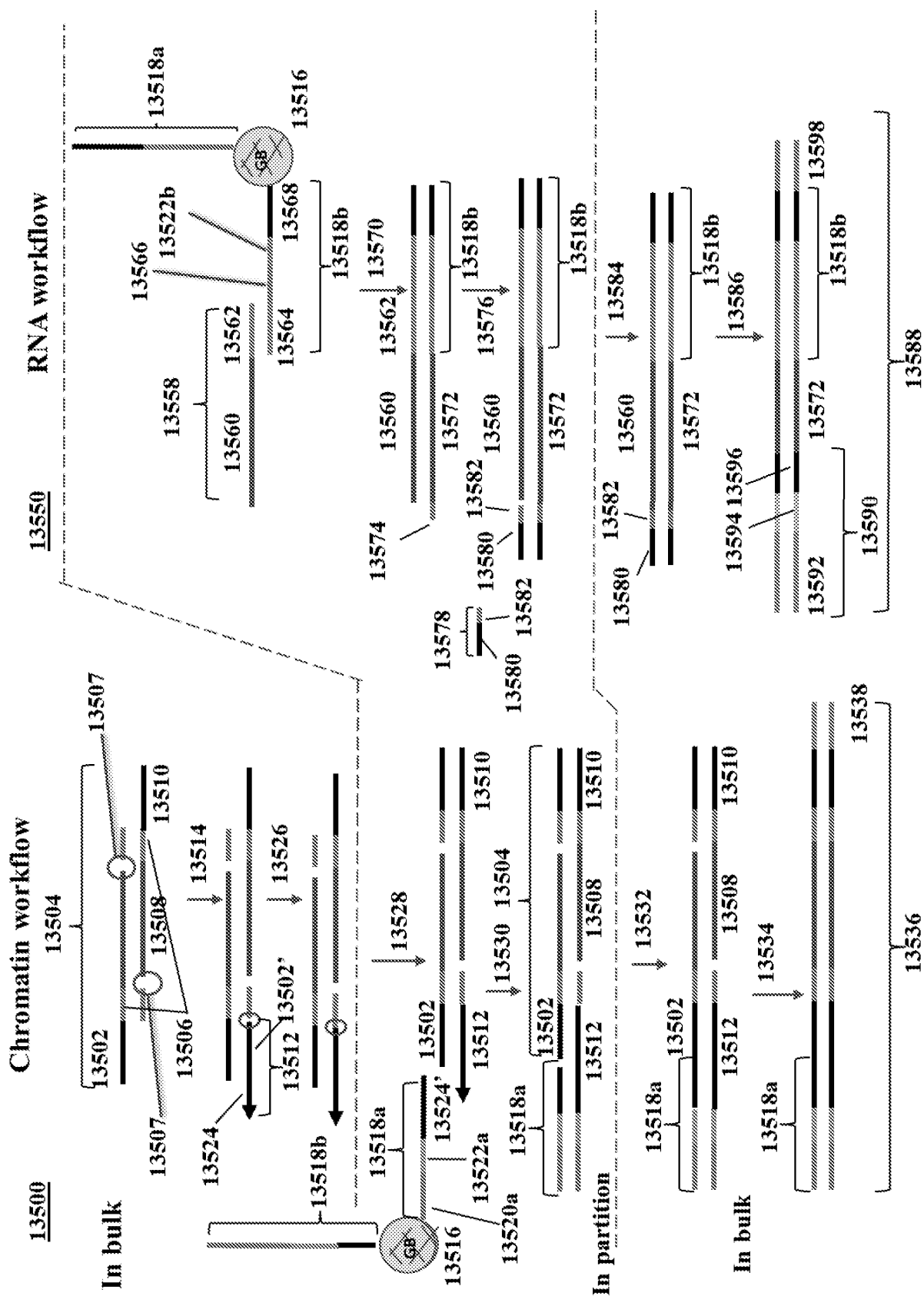


FIG. 135

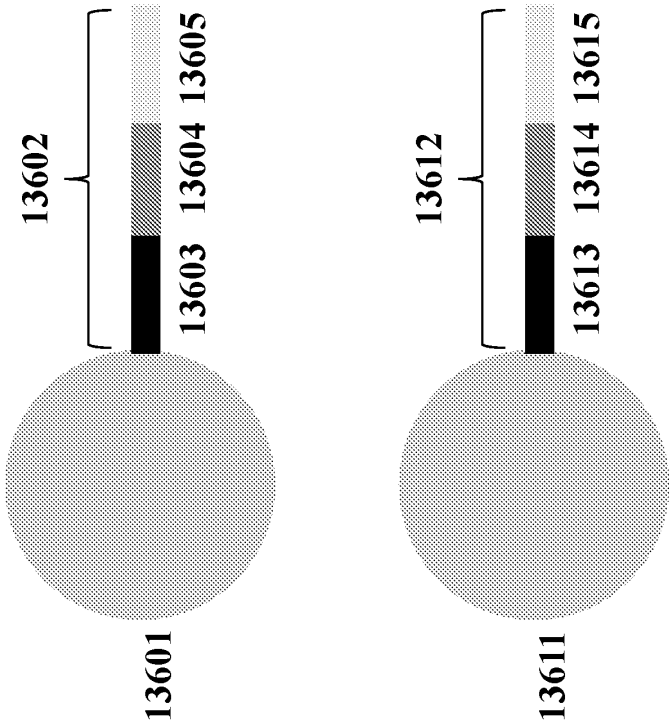


FIG. 136A

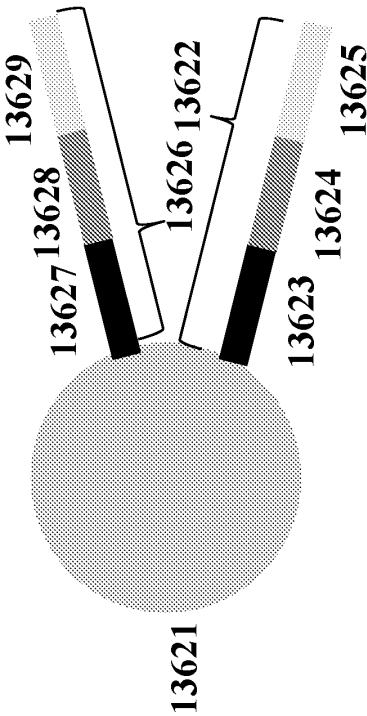


FIG. 136B

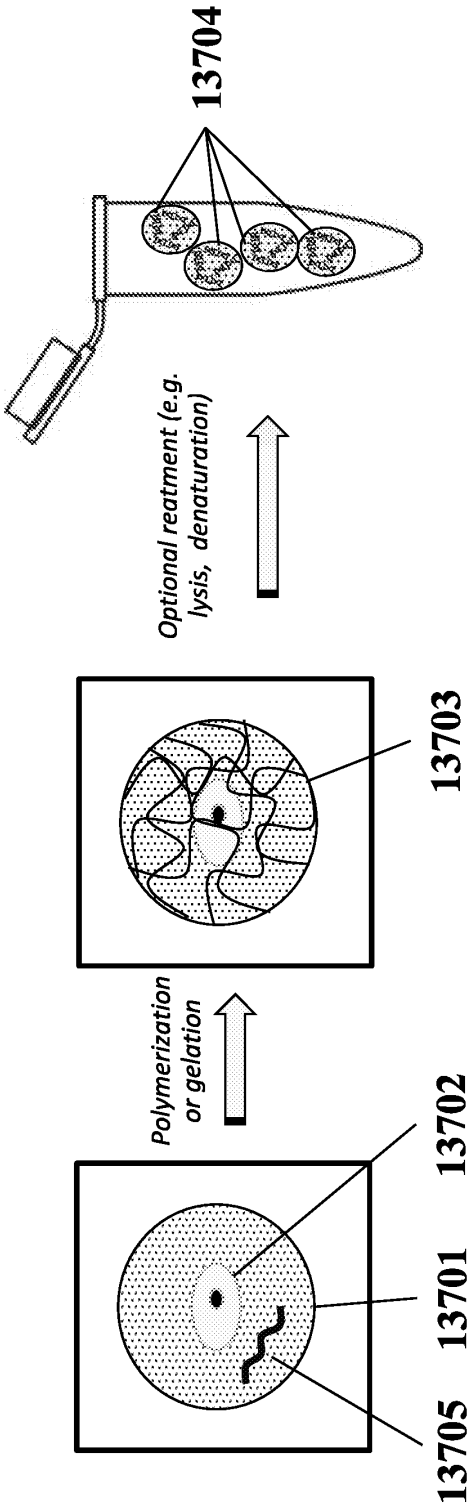


FIG. 137

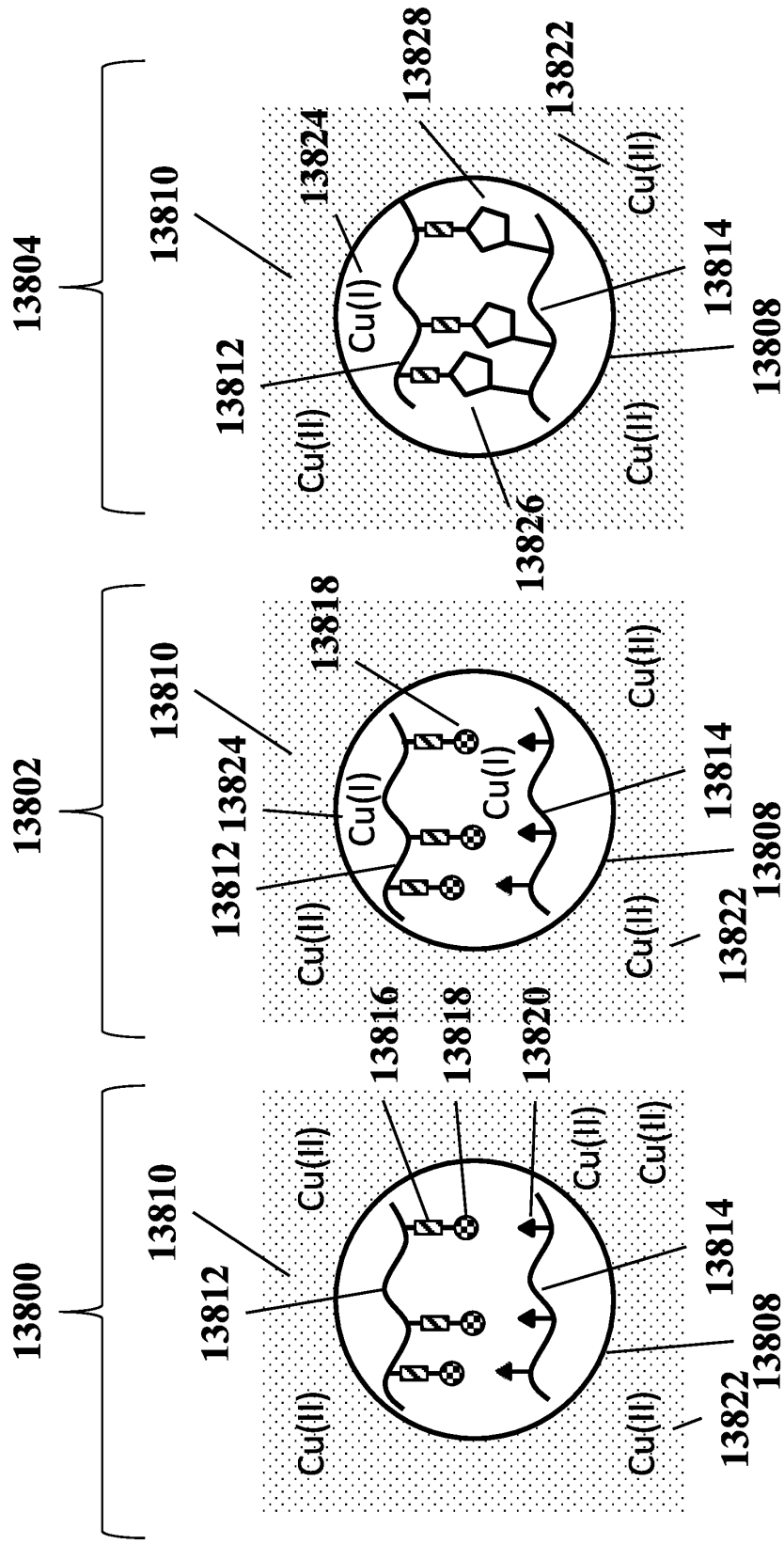


FIG. 138

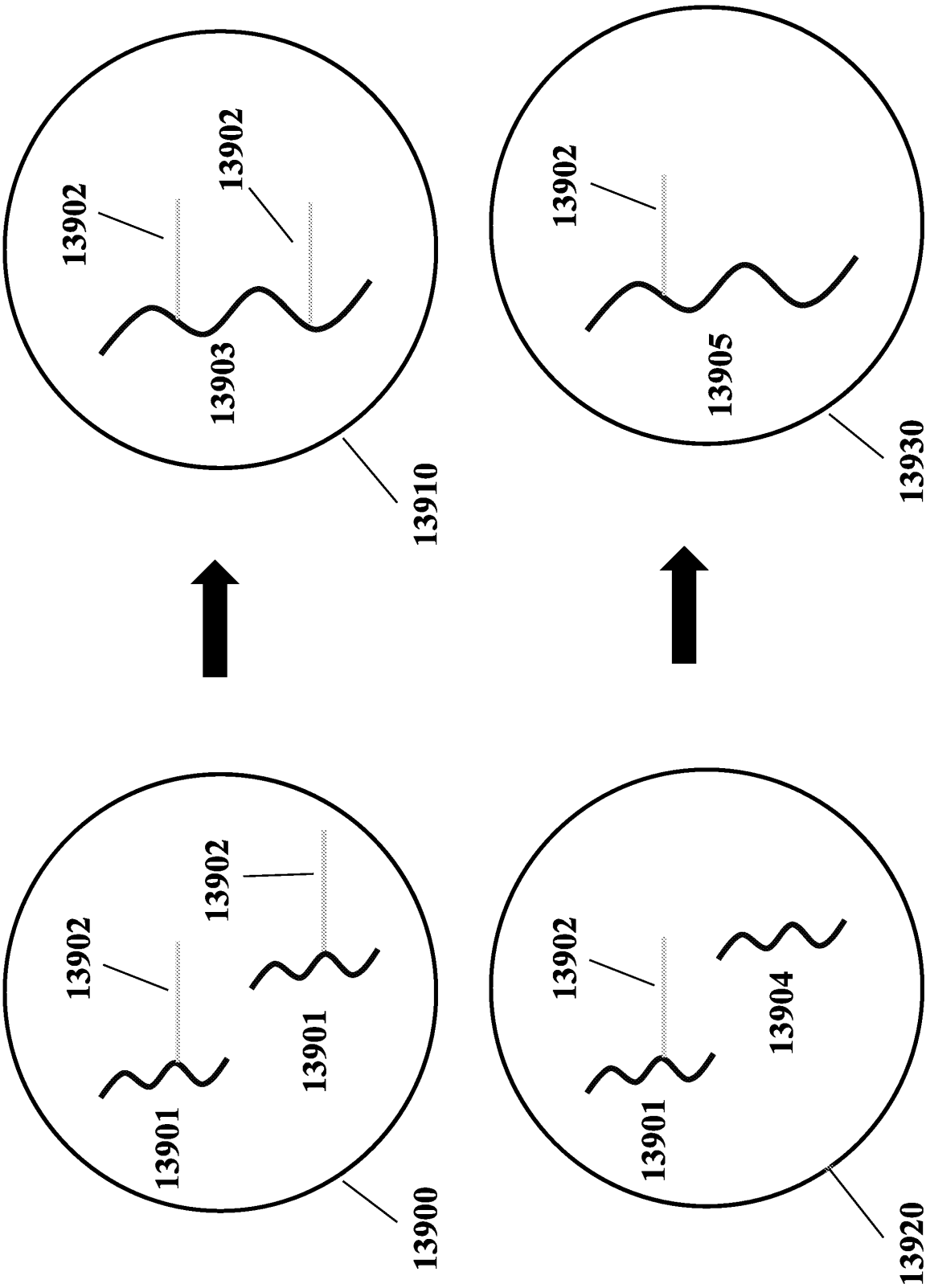


FIG.139A

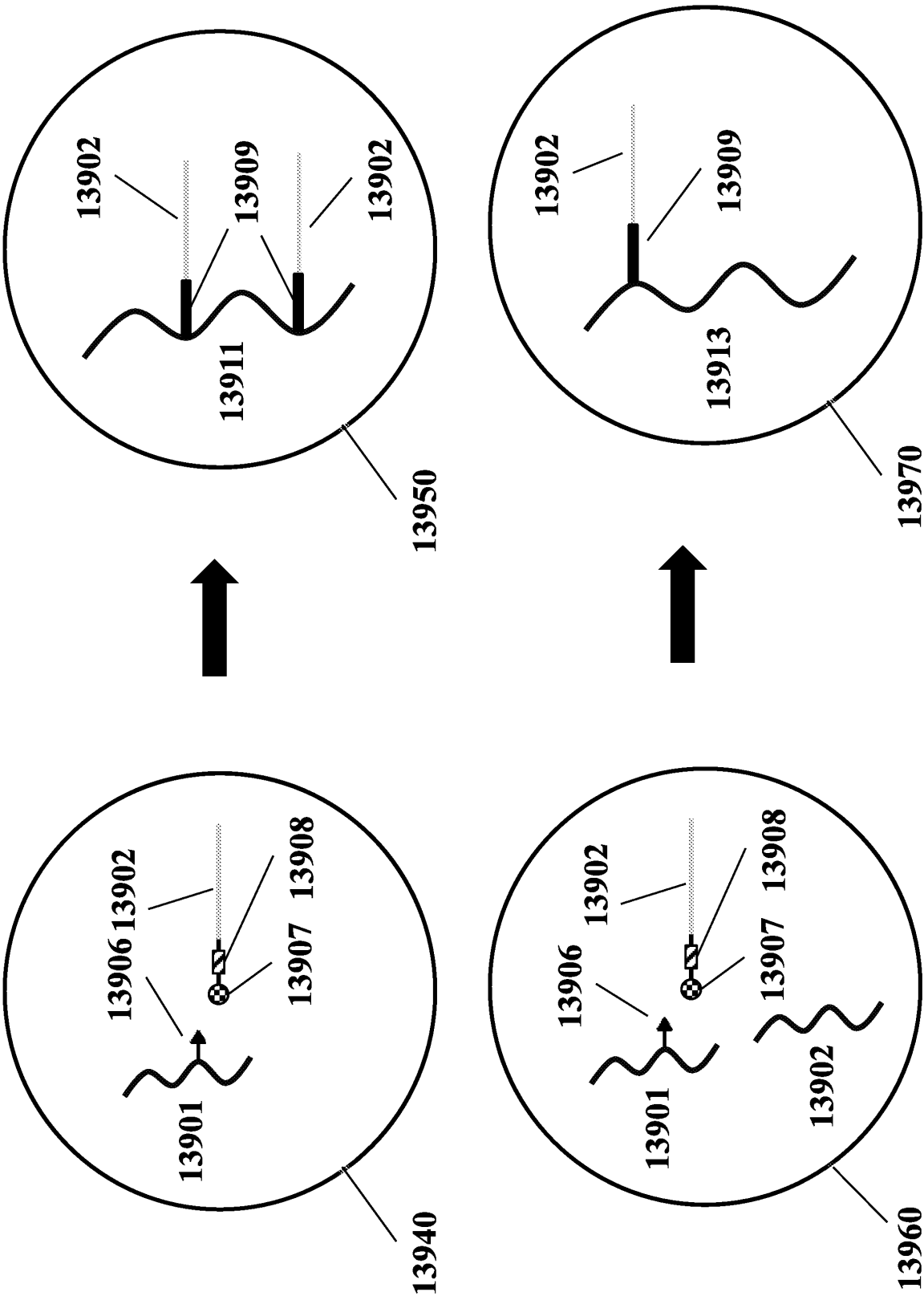


FIG. 139B