FIG. 1A

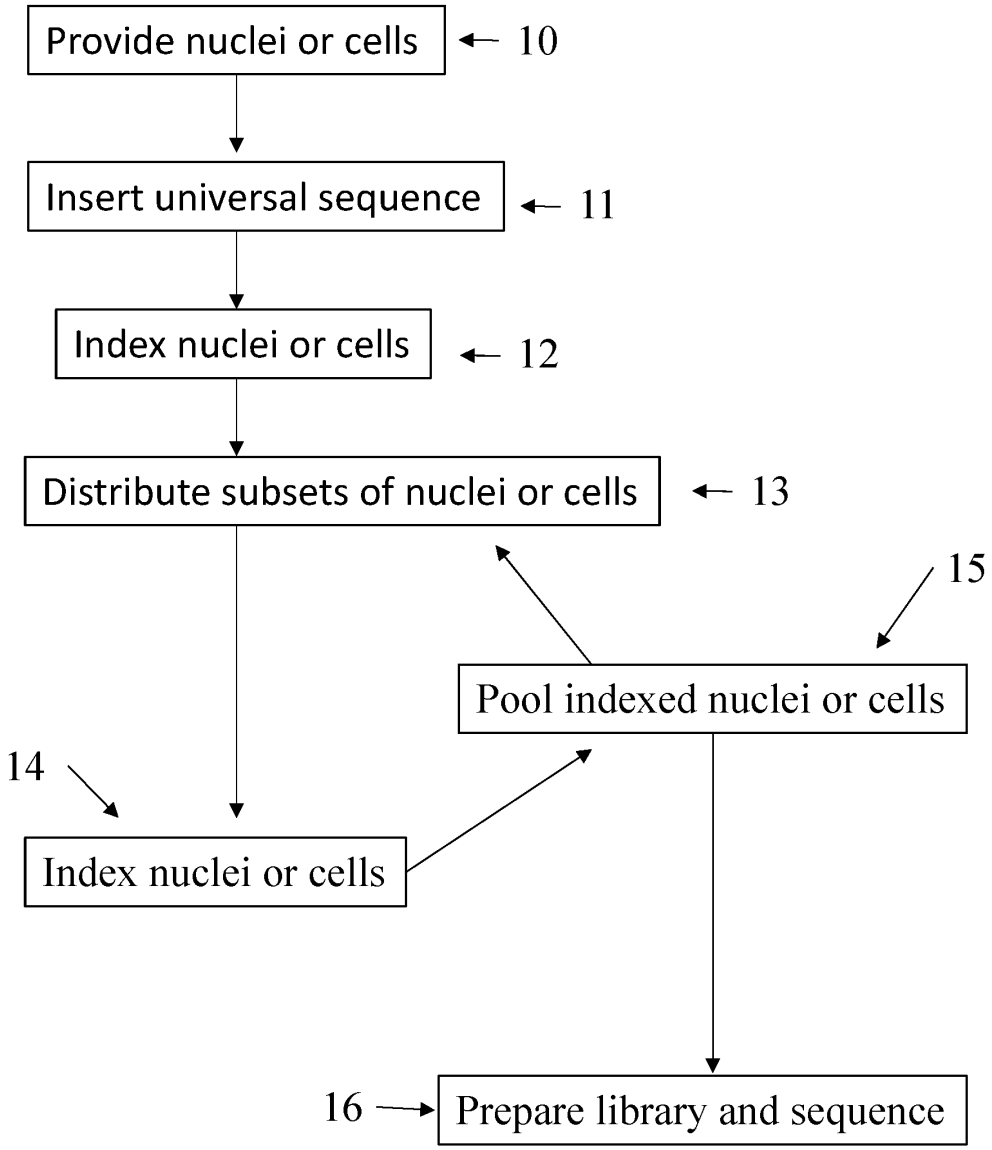

Provide nuclei or cells
10
Insert universal sequence
11
Index nuclei or cells
12
Distribute subsets of nuclei or cells
13
15
Pool indexed nuclei or cells
14
Index nuclei or cells
16
Prepare library and sequence

FIG. 1B

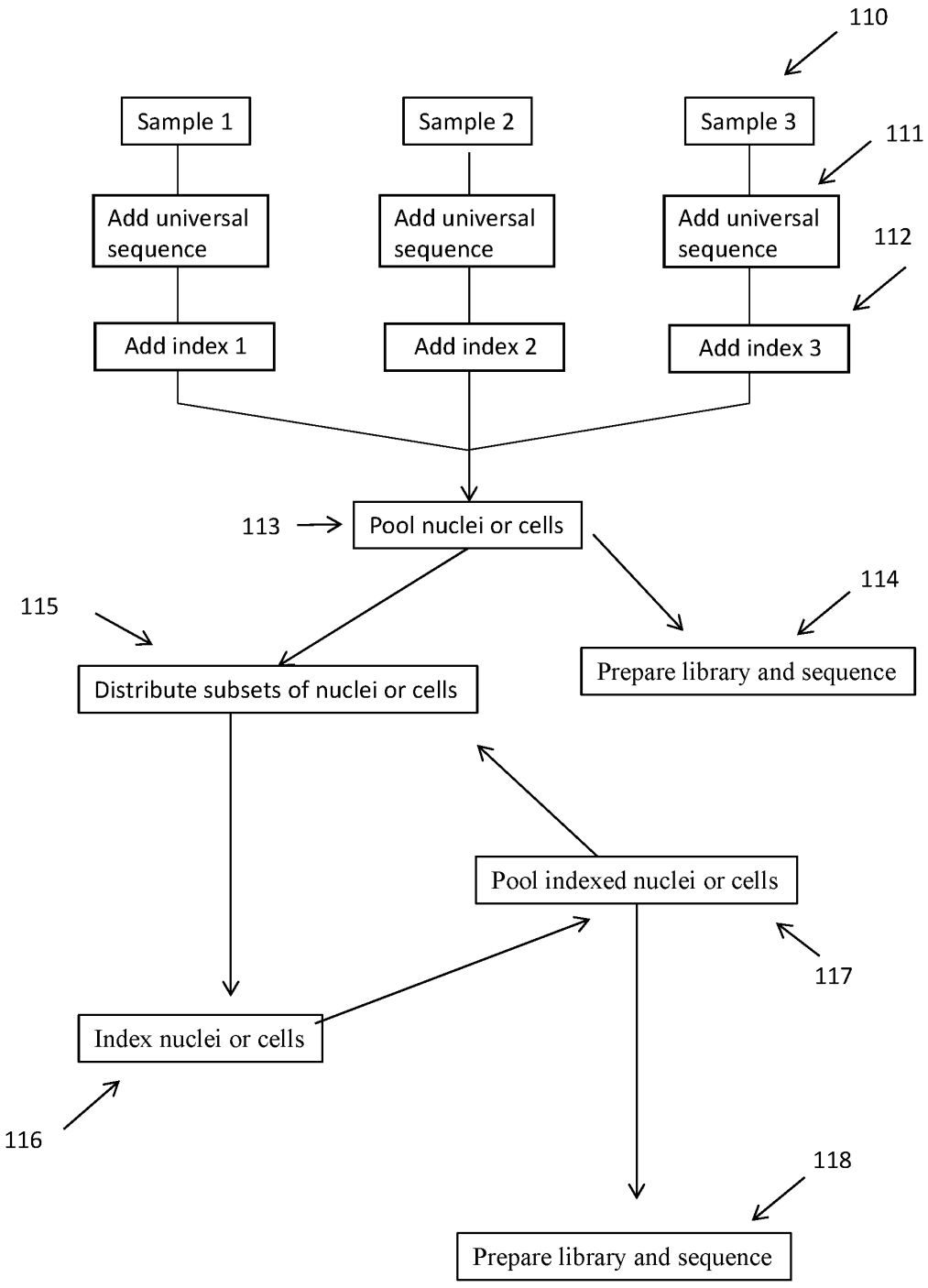

110
Sample 1
Sample 2
Sample 3
111
Add universal sequence
Add universal sequence
Add universal sequence
112
Add index 1
Add index 2
Add index 3
113
Pool nuclei or cells
114
115
Distribute subsets of nuclei or cells
Prepare library and sequence
Pool indexed nuclei or cells
117
Index nuclei or cells
116
118
Prepare library and sequence

FIG. 2

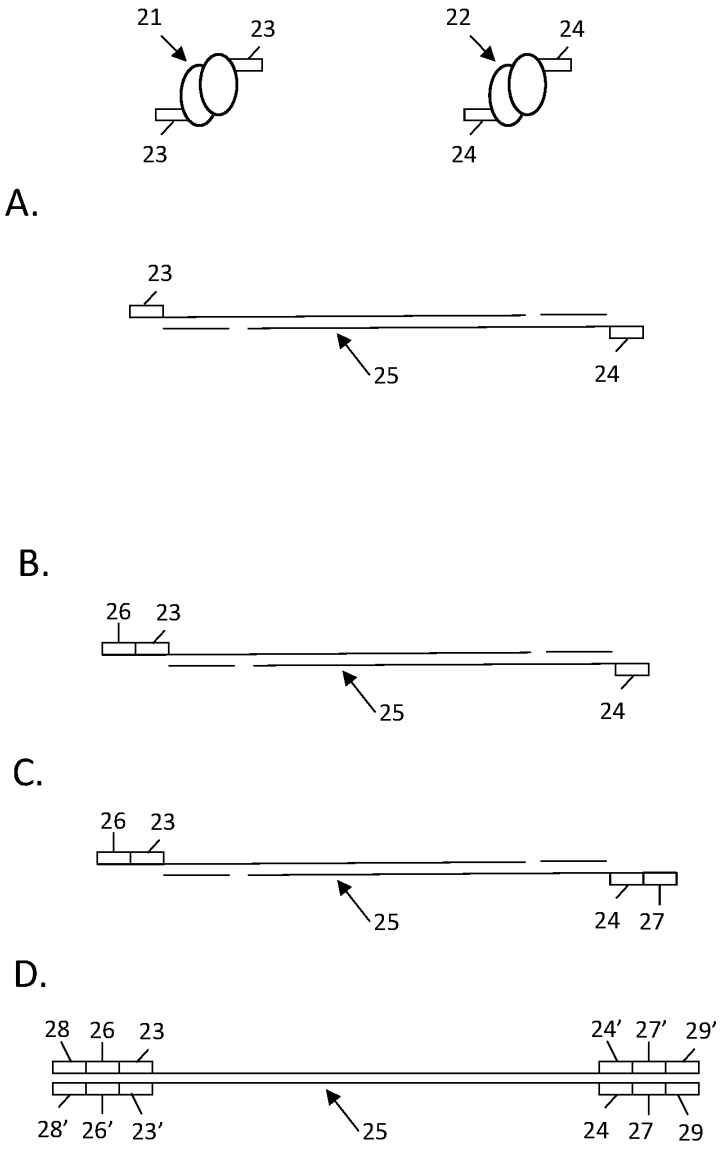

21
23
23
22
24
24
A.
23
25
24
B.
26
23
25
24
C.
26
23
25
24
27
D.
28
26
23
28'
26'
23'
25
24'
27'
29'
24
27
29

FIG. 3

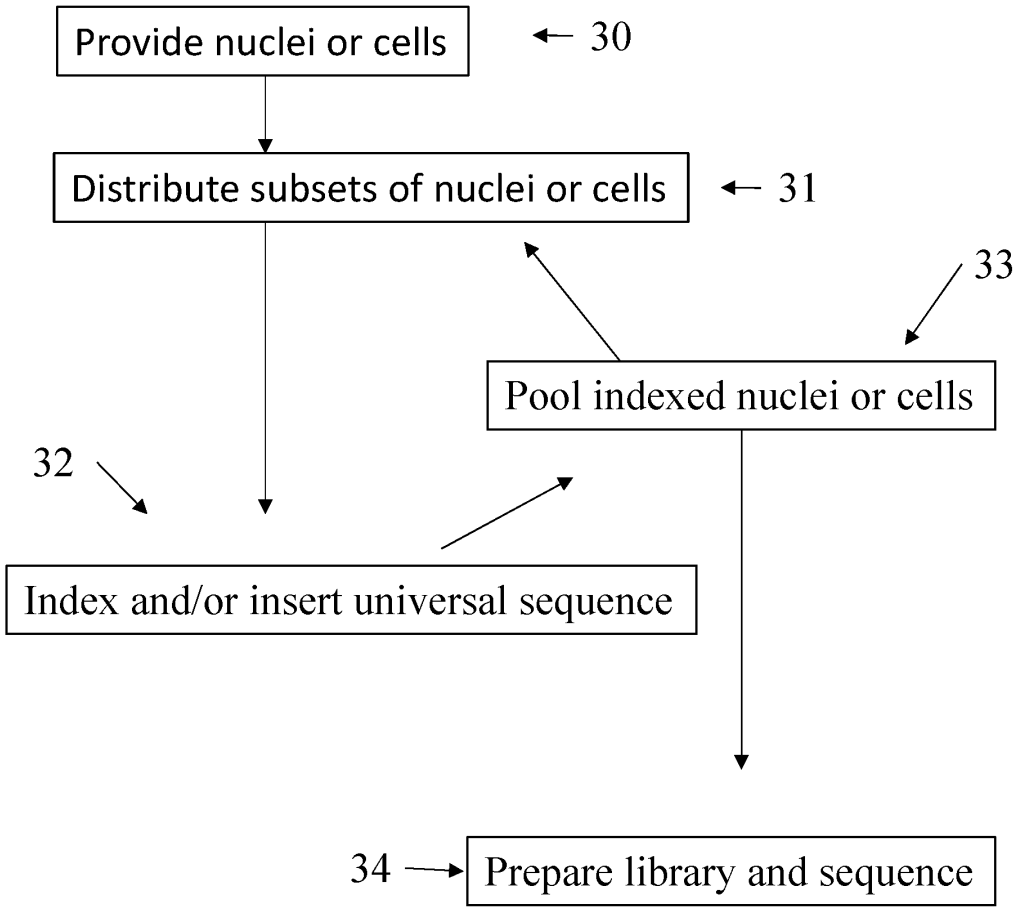

Provide nuclei or cells
30
Distribute subsets of nuclei or cells
31
33
Pool indexed nuclei or cells
32
Index and/or insert universal sequence
34
Prepare library and sequence

FIG. 4

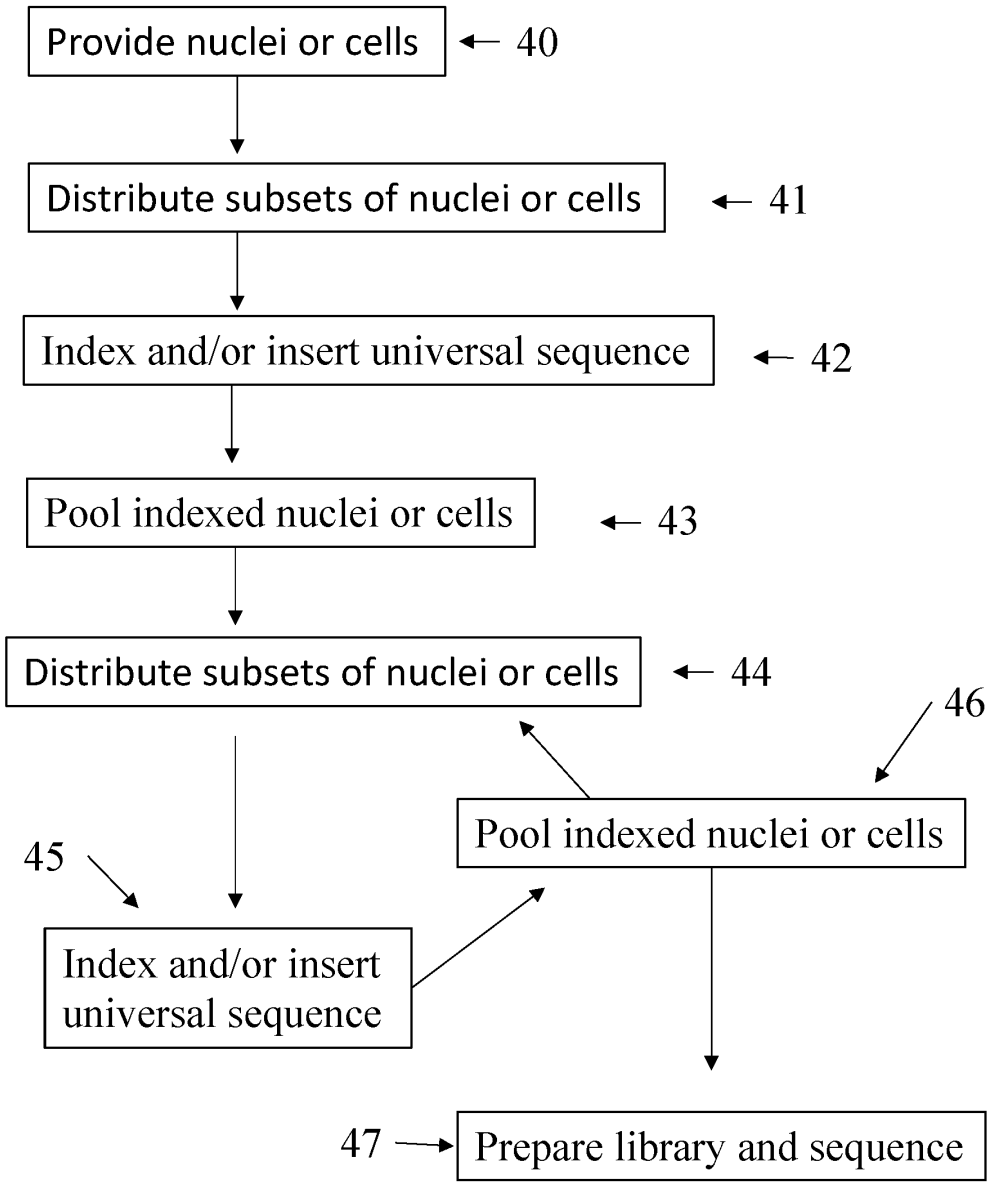

Provide nuclei or cells
40
Distribute subsets of nuclei or cells
41
Index and/or insert universal sequence
42
Pool indexed nuclei or cells
43
Distribute subsets of nuclei or cells
44
46
Pool indexed nuclei or cells
45
Index and/or insert universal sequence
47
Prepare library and sequence

FIG. 5

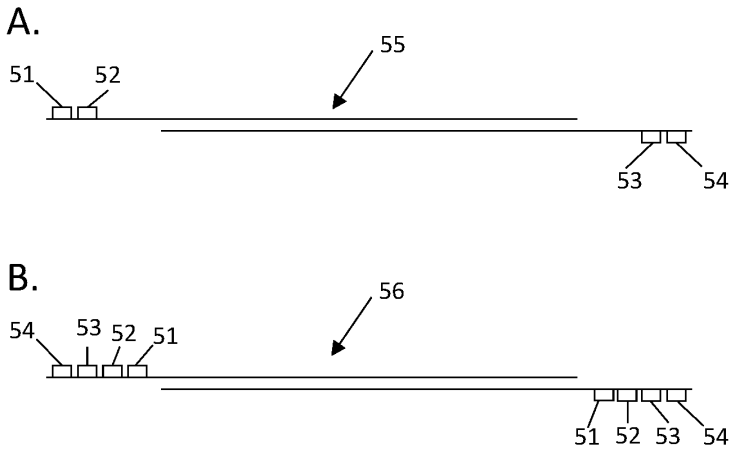
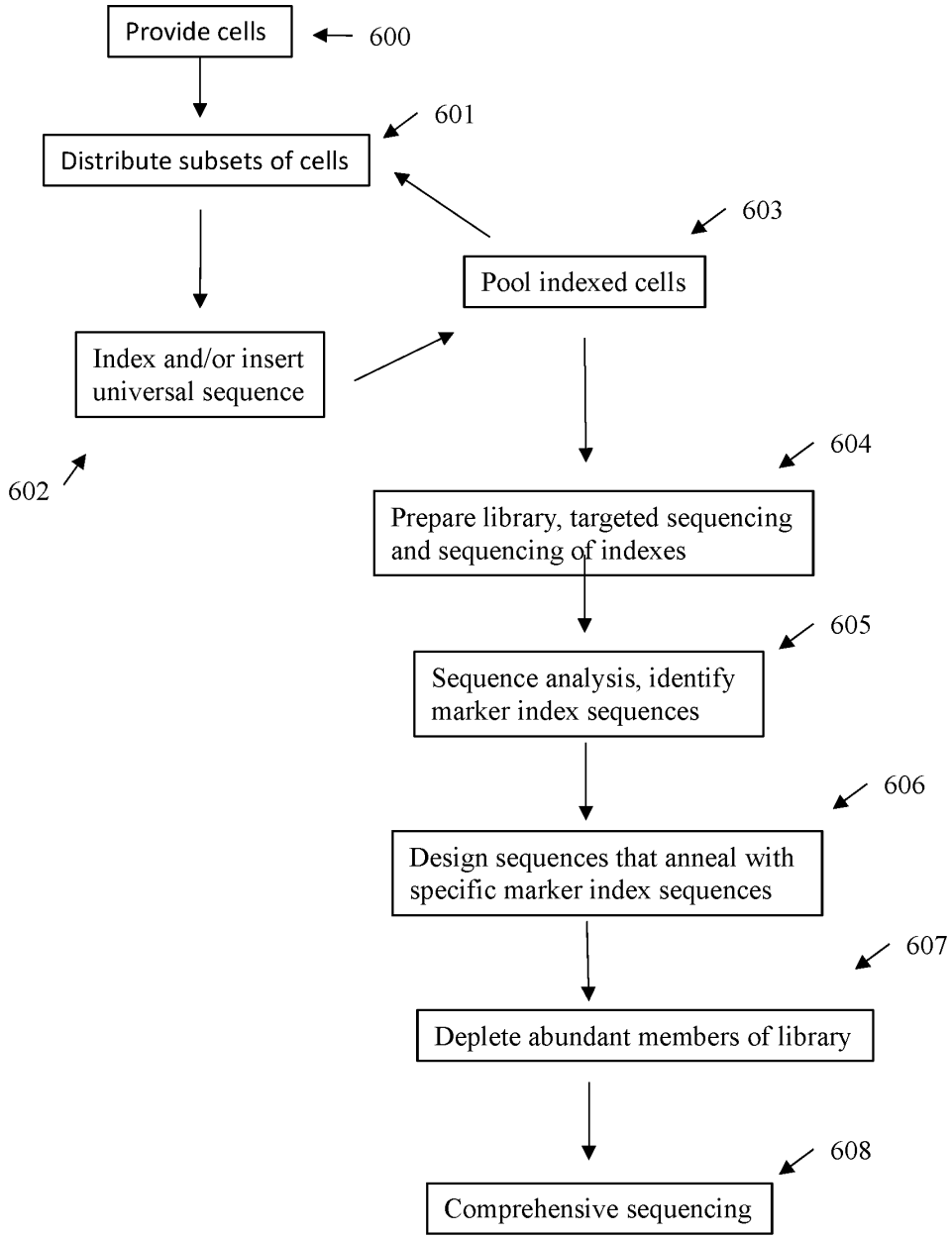


FIG. 6


Provide cells
600
601
Distribute subsets of cells
603
Pool indexed cells
Index and/or insert universal sequence
602
604
Prepare library, targeted sequencing and sequencing of indexes
605
Sequence analysis, identify marker index sequences
606
Design sequences that anneal with specific marker index sequences
607
Deplete abundant members of library
608
Comprehensive sequencing

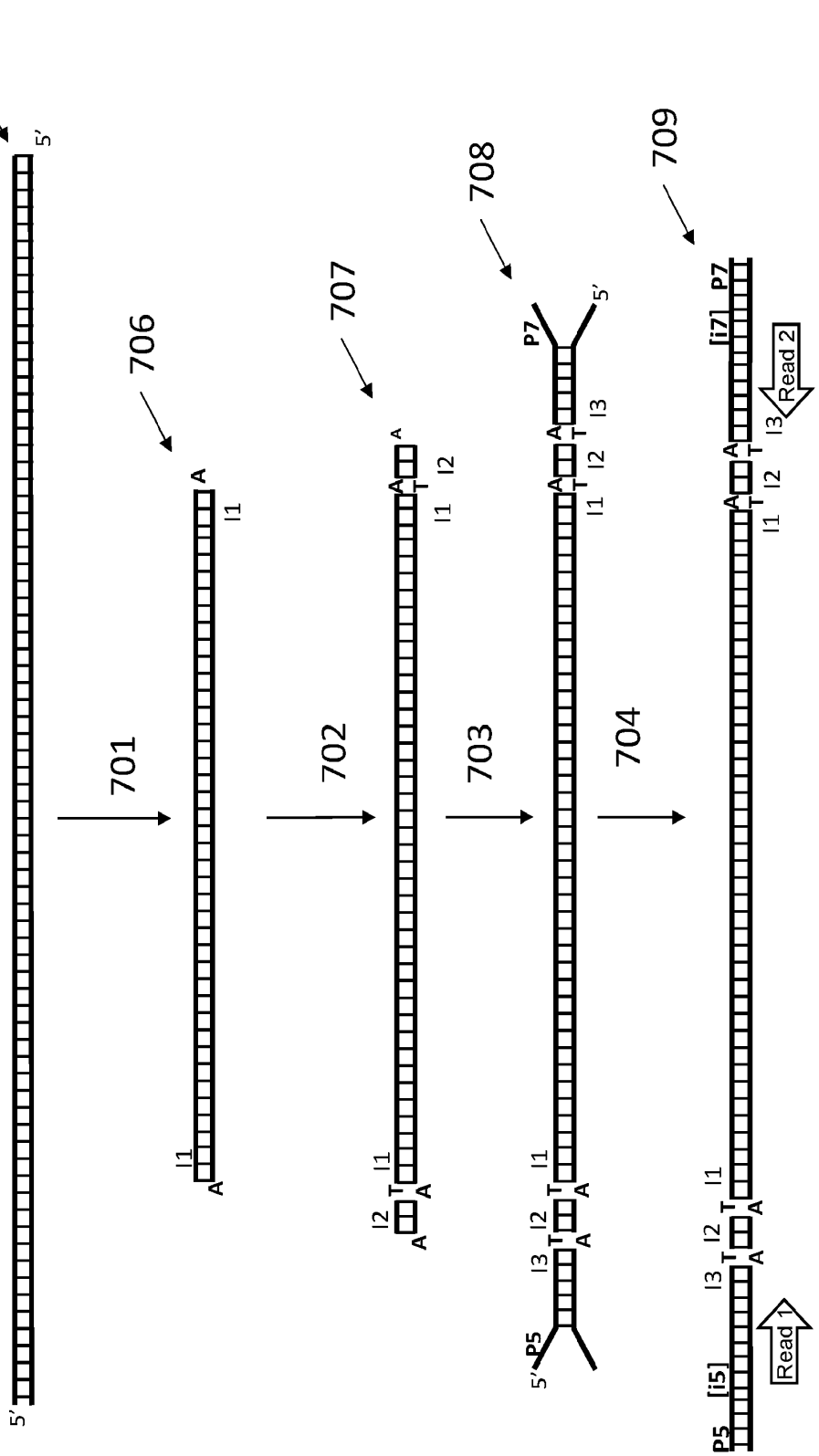

705
706
707
708
709
701
702
703
704
5'
P7
P5
[i7]
[i5]
Read 1
Read 2
I1
I2
I3
A
T

FIG. 7

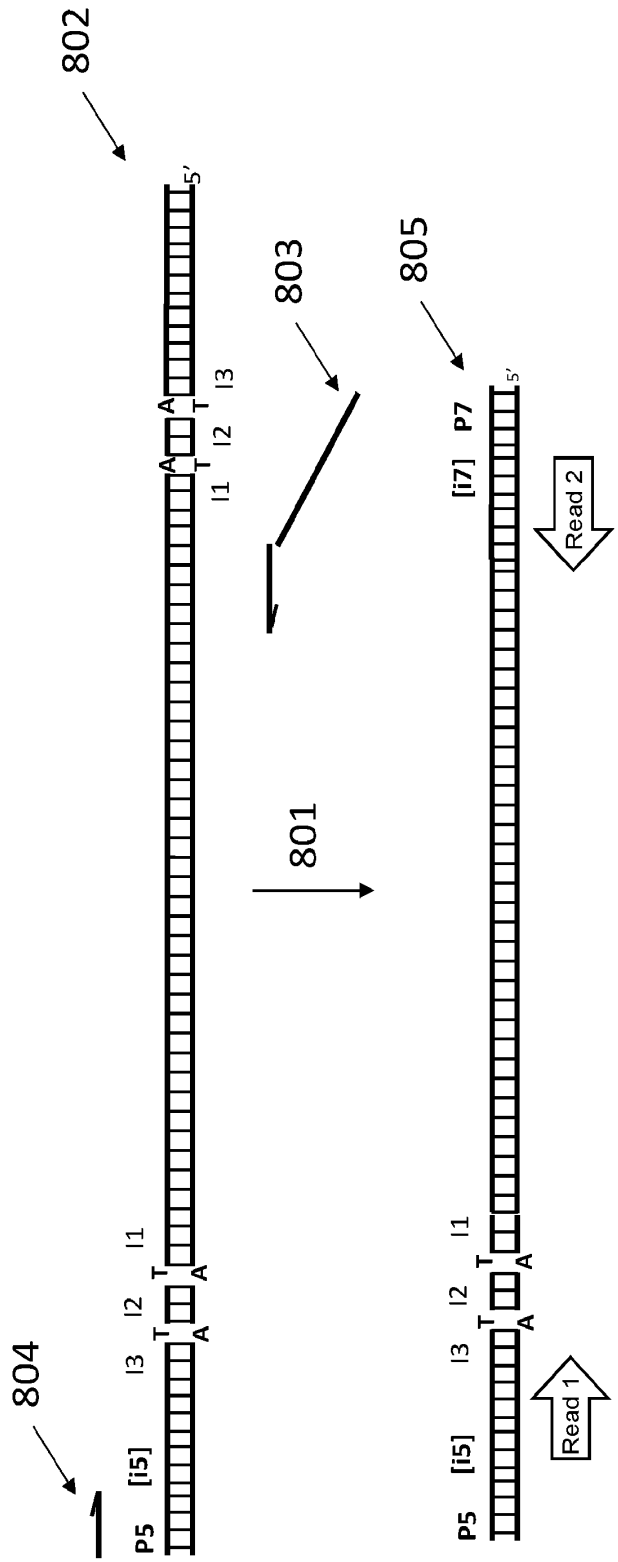


FIG. 8

FIG. 9

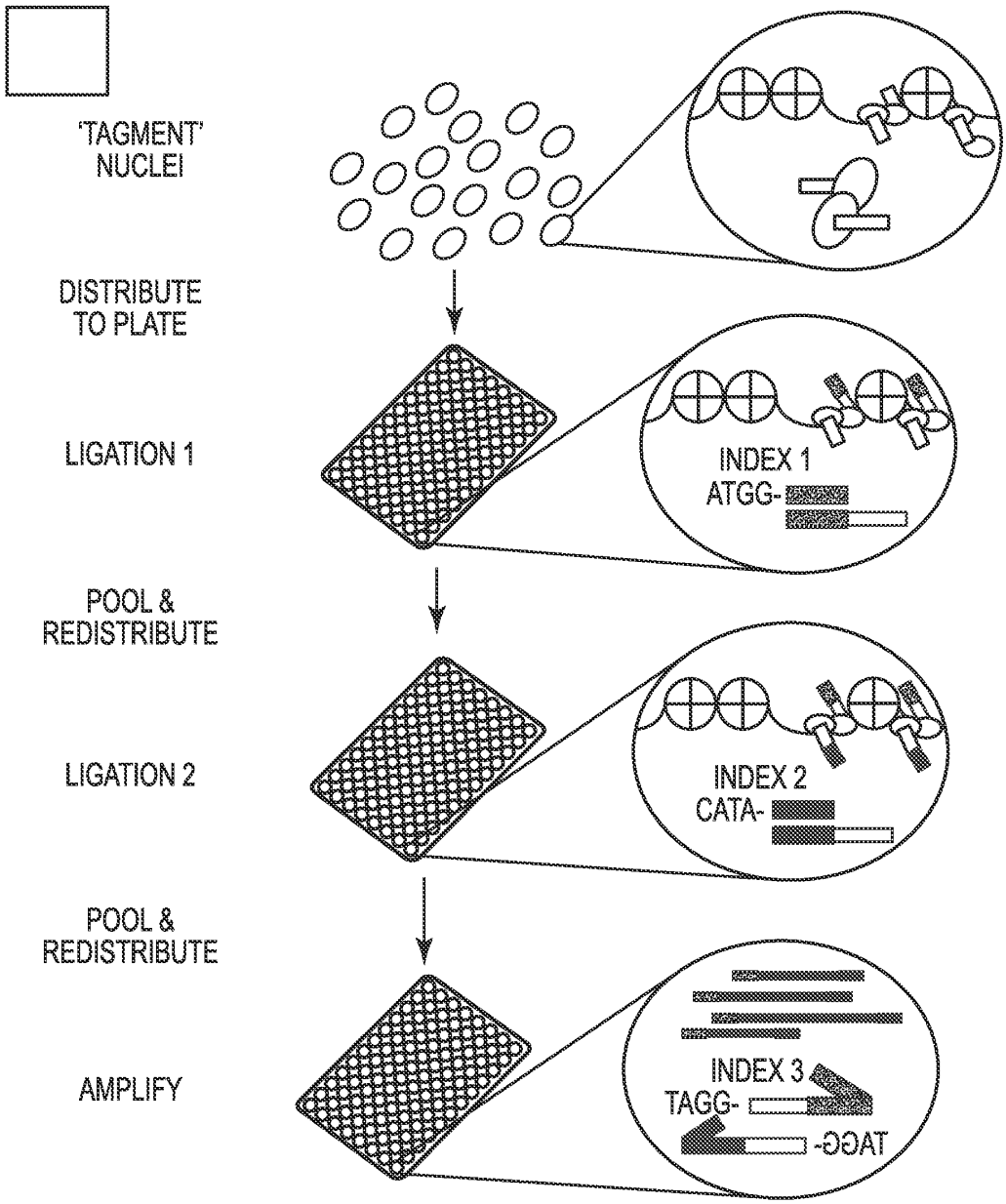
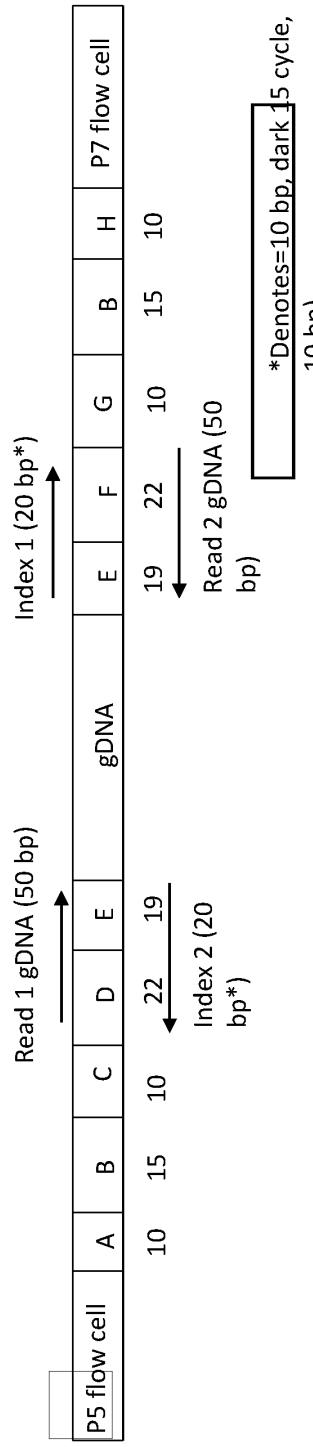
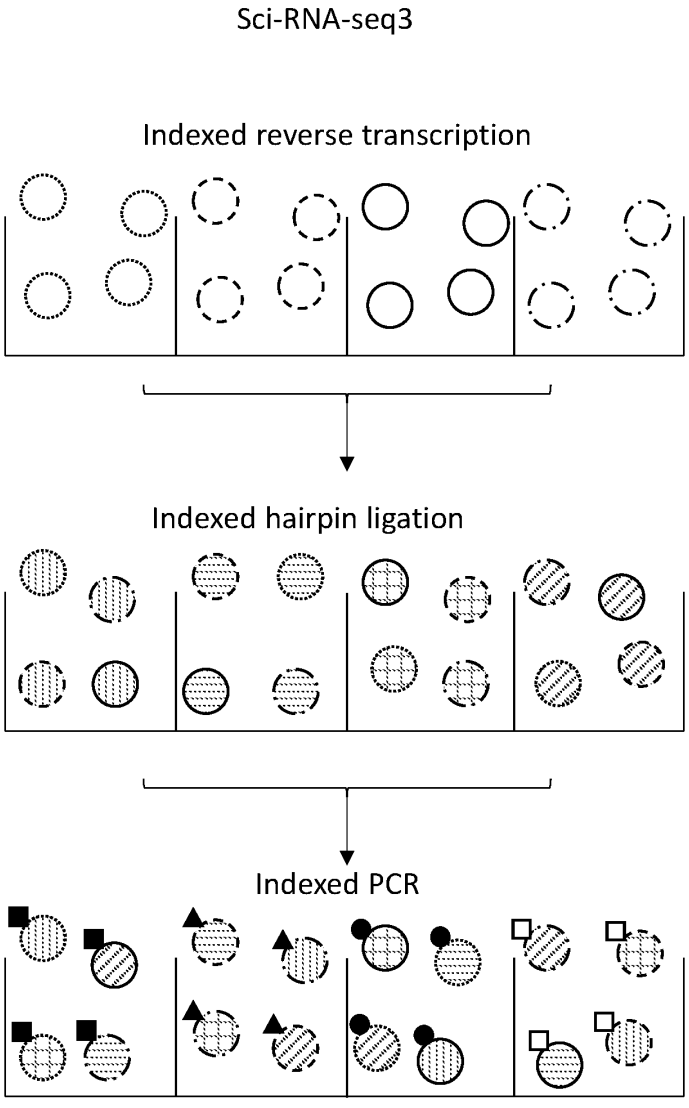

'TAGMENT' NUCLEI
DISTRIBUTE TO PLATE
LIGATION 1
INDEX 1
ATGG-
POOL & REDISTRIBUTE
LIGATION 2
INDEX 2
CATA-
POOL & REDISTRIBUTE
AMPLIFY
INDEX 3
TAGG-
-ĐĐAT

FIG. 10



A, PCR i5; B, Spacer; C, Lig i5; D, Spacer N5; E, ME; F, Spacer N7; G, Lig i7; H, PCR i7.

FIG. 11


Sci-RNA-seq3
Indexed reverse transcription
Indexed hairpin ligation
Indexed PCR