

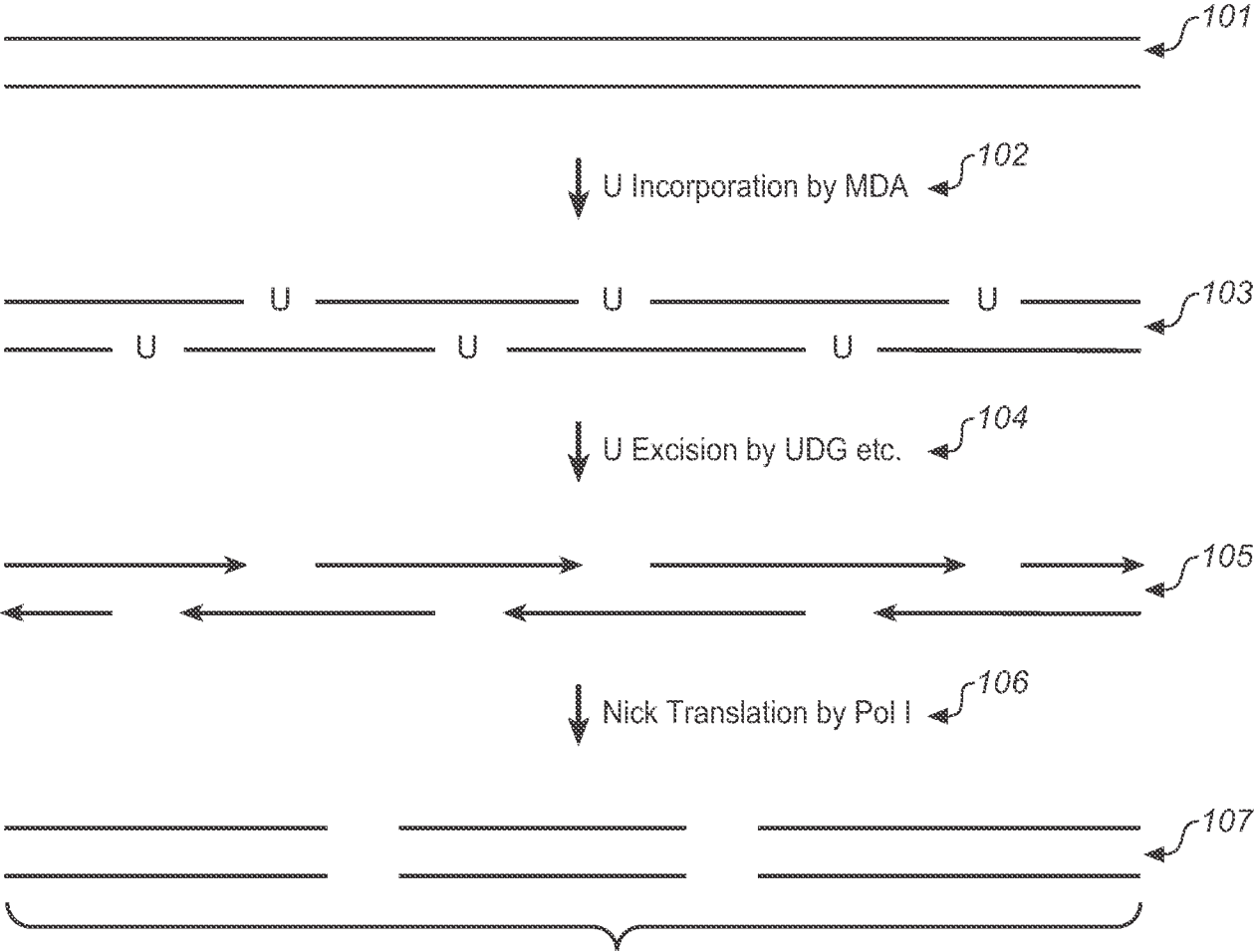


FIG. 1

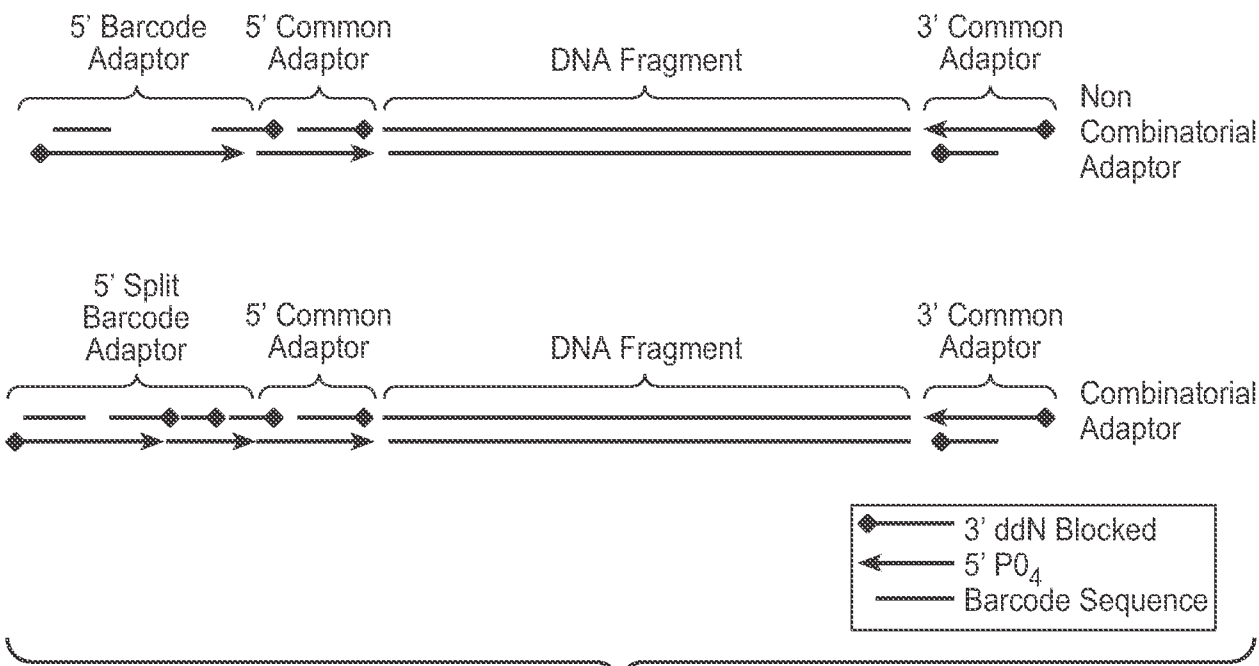
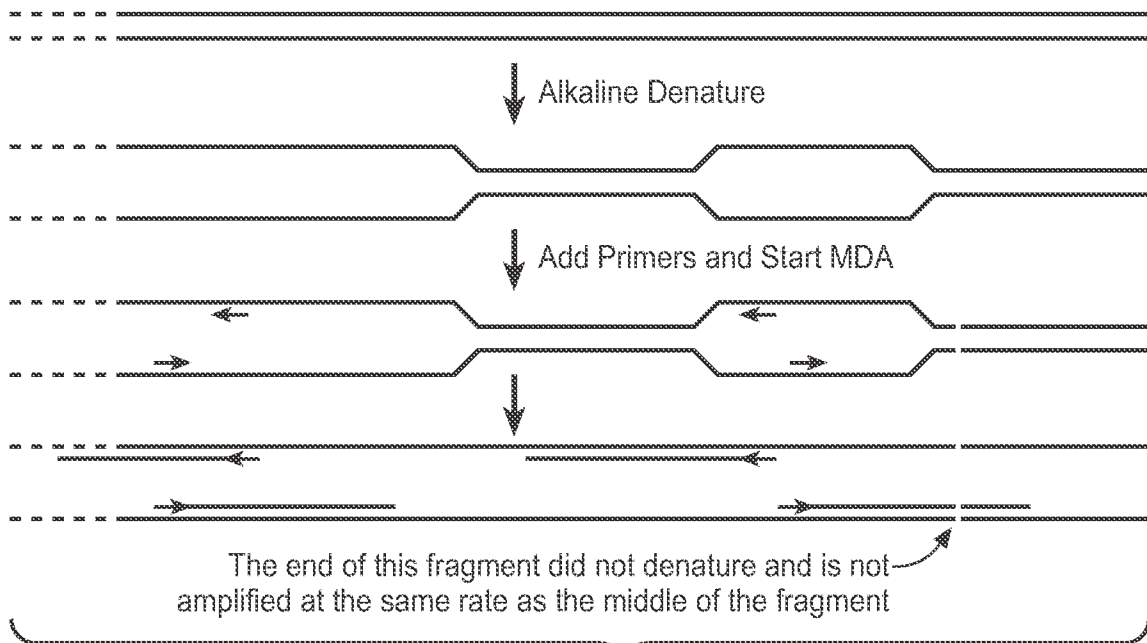


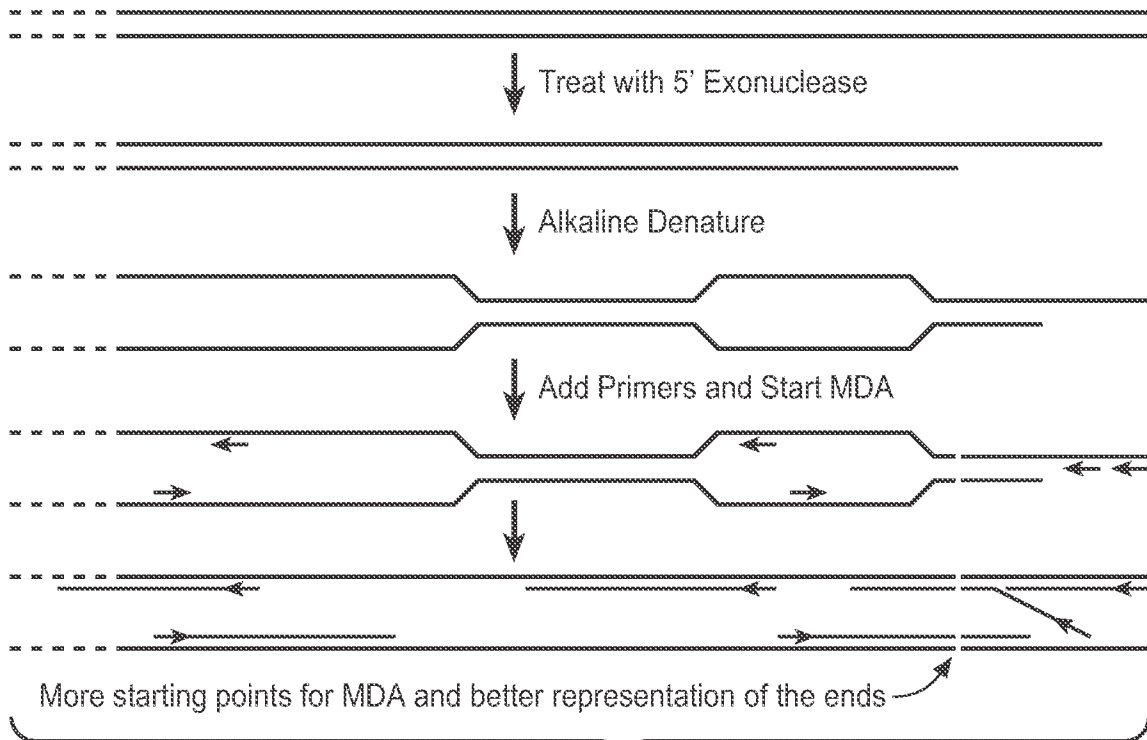
FIG. 3

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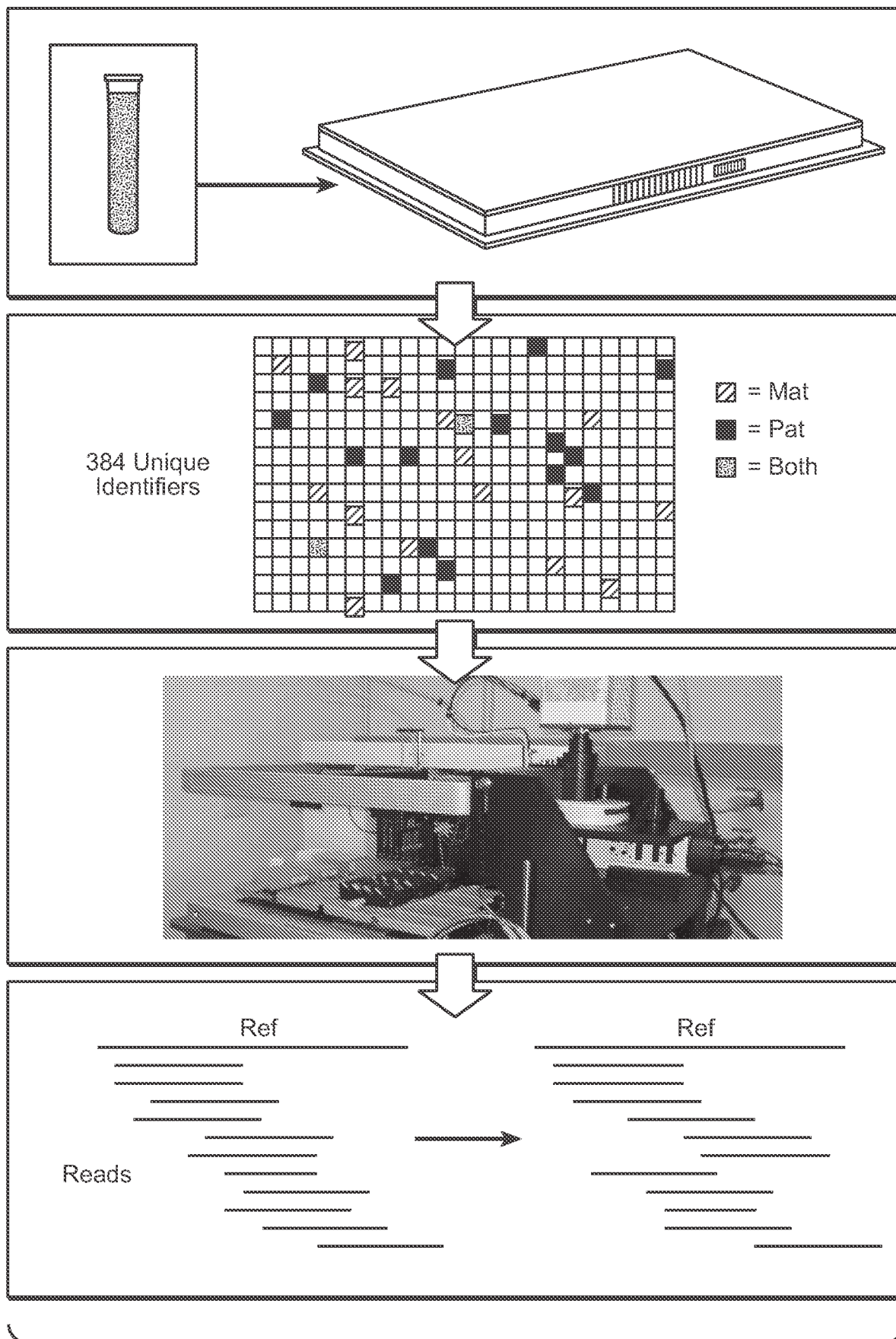
Standard MDA
Genomic DNA

**FIG. 2A**

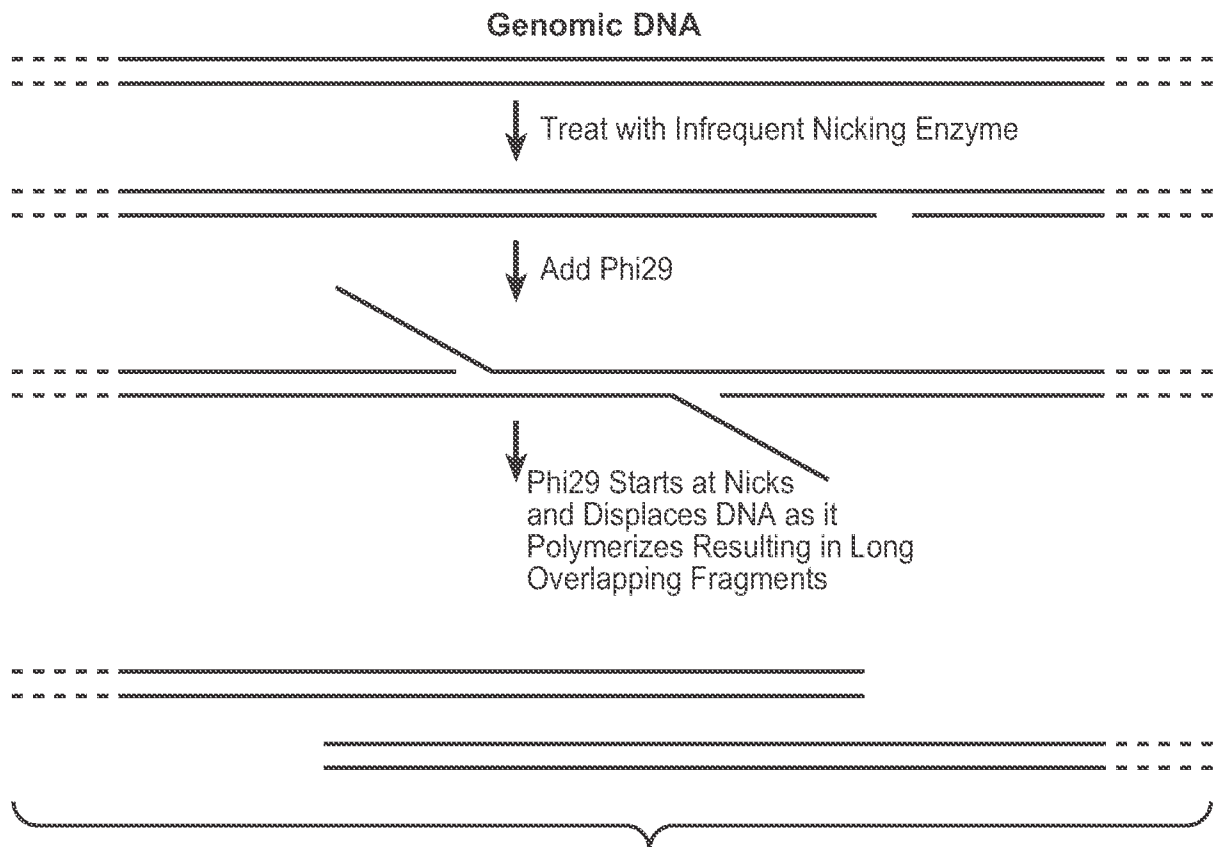
With 5' Exonuclease
Genomic DNA

**FIG. 2B**

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**FIG. 2C**

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**FIG. 4****ADAPTOR 1**

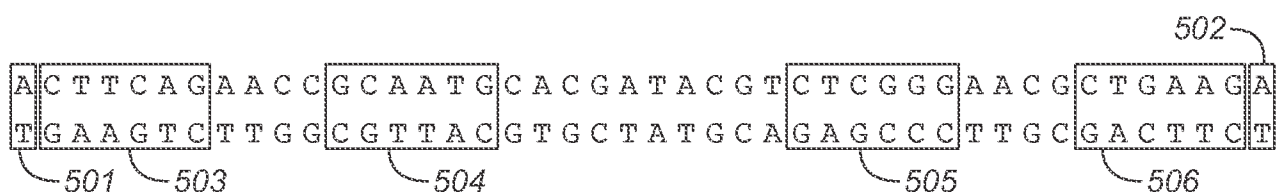
ACTTCAGAACCGCAATGCACGATACGTCTCGGGAACGCTGAAGA (SEQ ID NO: 1)

ADAPTOR 2

GCTCCAGCGGCTAACGATGCTCGAGCTCGAGCAATGACGTCTCGACTCAGCAGANN (SEQ ID NO: 2)

ADAPTOR 3

TCTCCAGTCGAAGCGCAGTCGCTCGAGCTCGAGCTTCTCGCAGTACGTCAGCAGTNN (SEQ ID NO: 3)

ADAPTOR 4AGTCGGAGGCCAAGCGGTCTTAGGAAGACAAGCTCGAGCTCGAGCGATCGGGCCGTACGTCCAACCTT
(SEQ ID NO: 4)**FIG. 5A****FIG. 5B**

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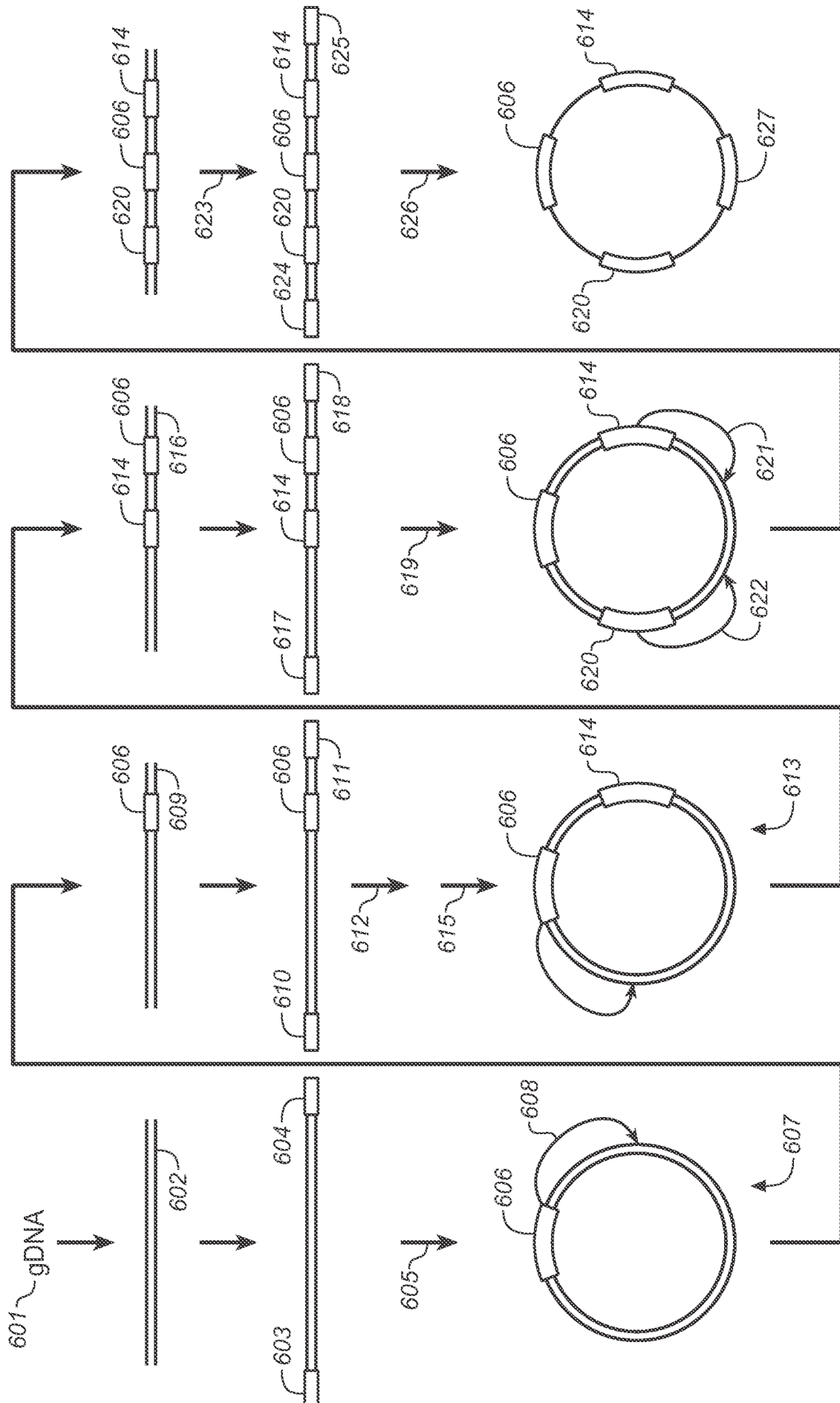
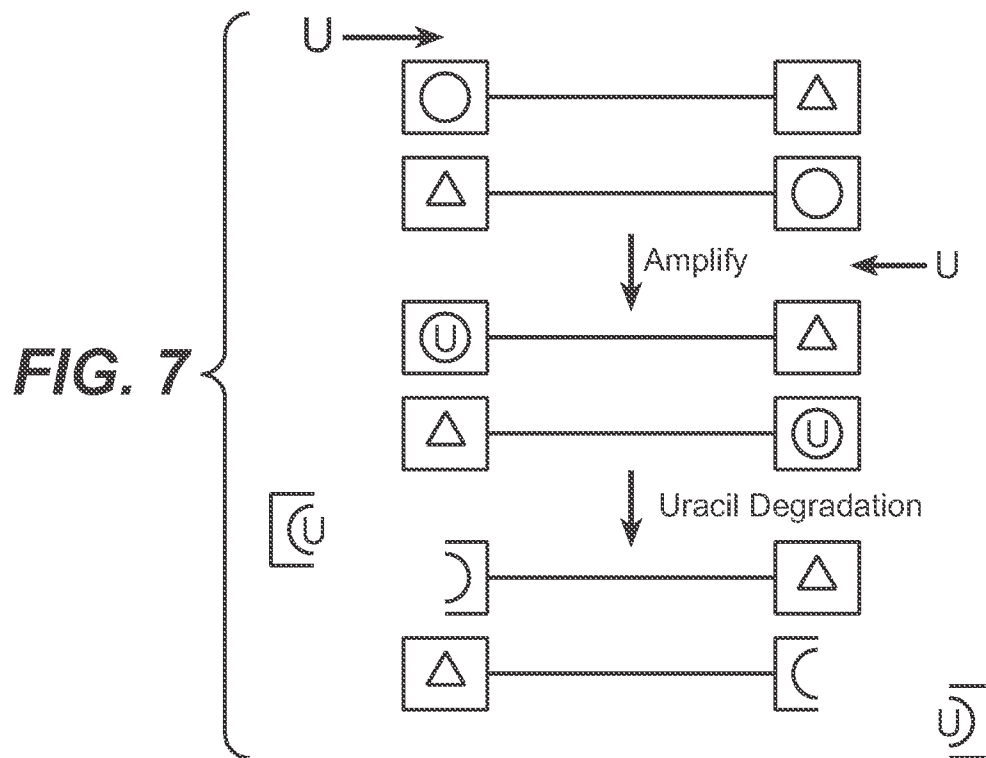


FIG. 6

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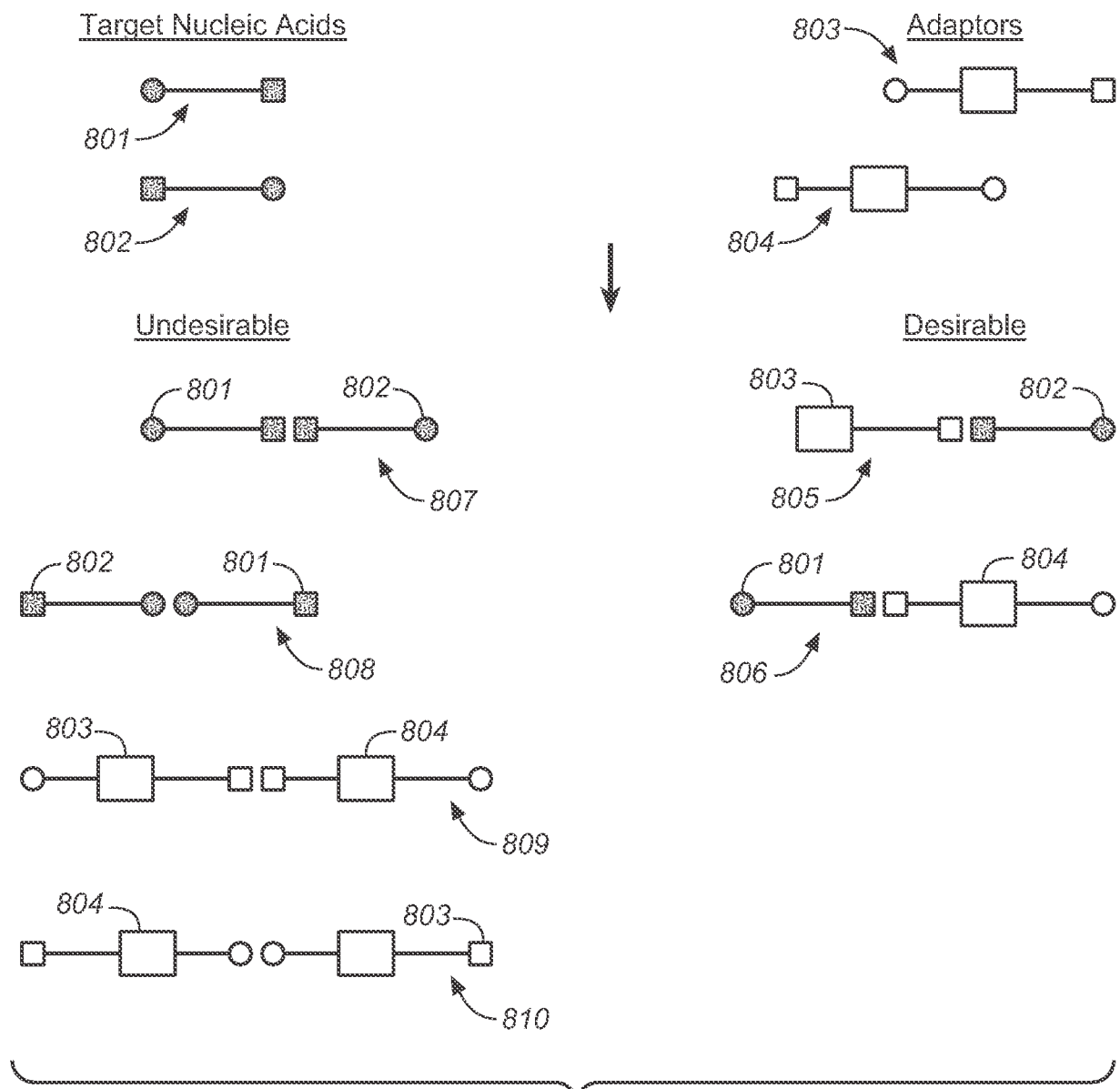
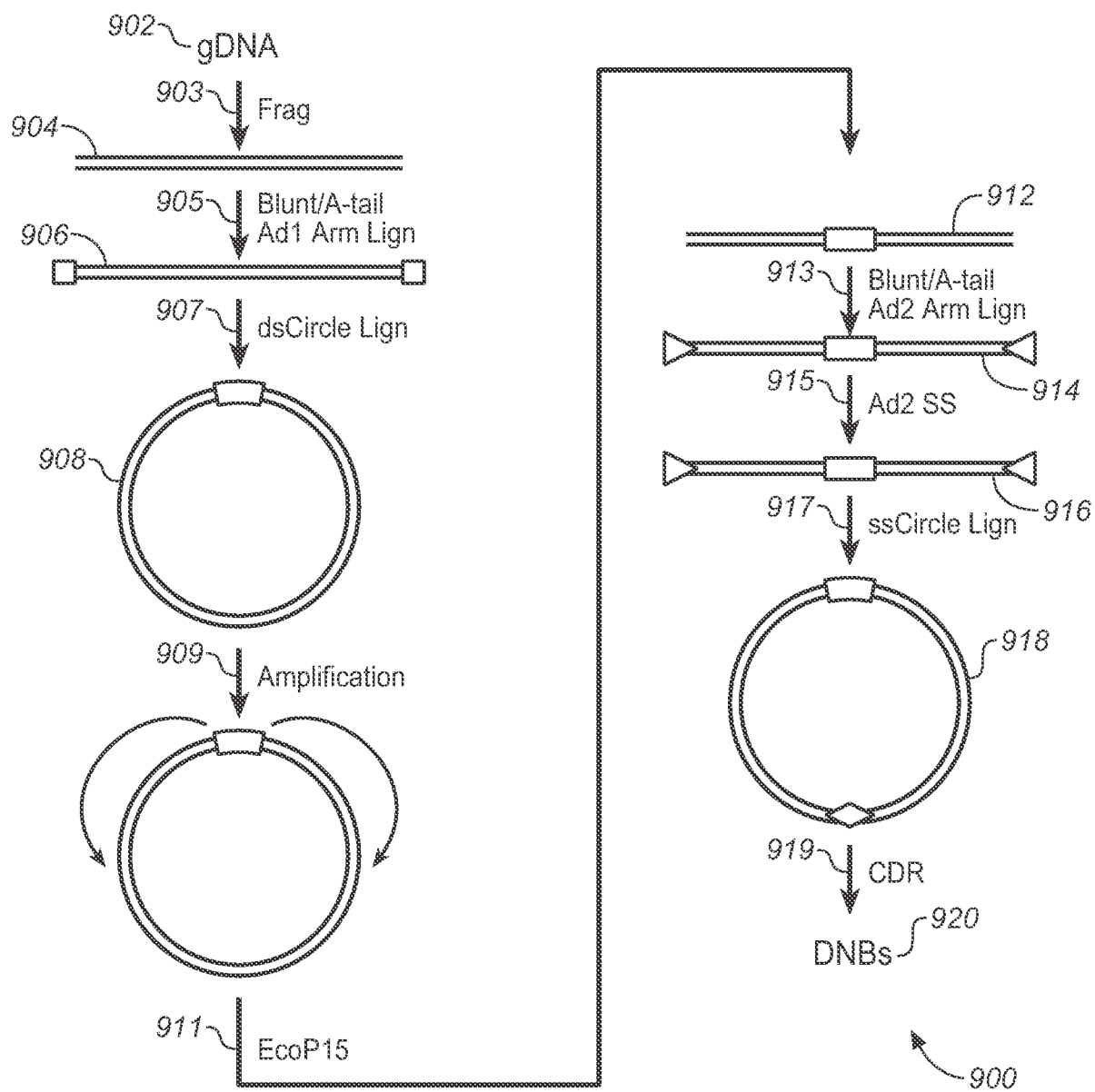
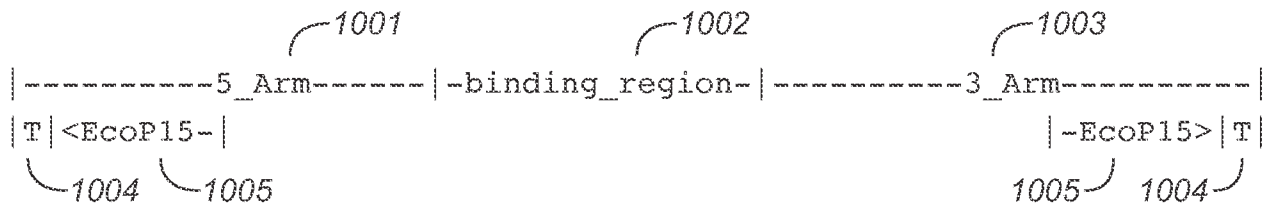
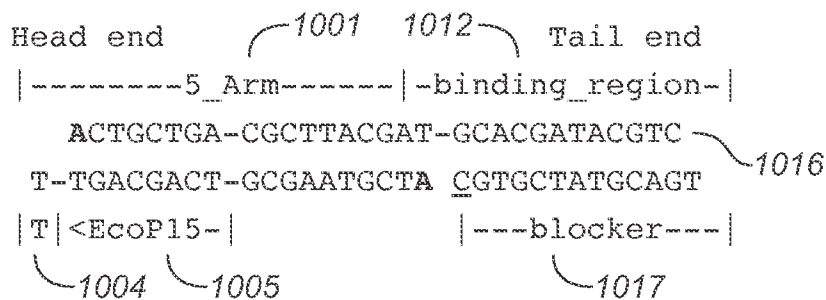
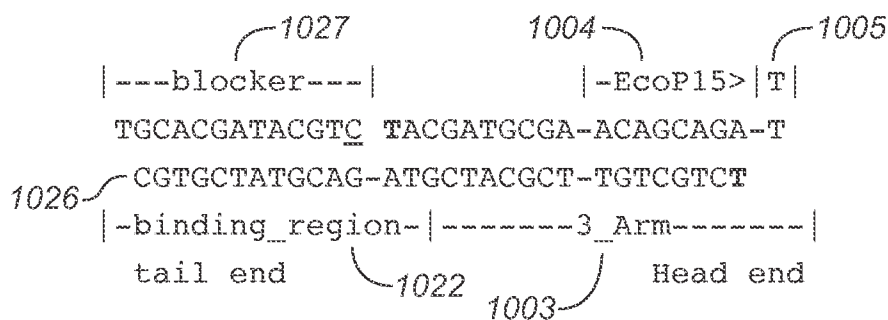
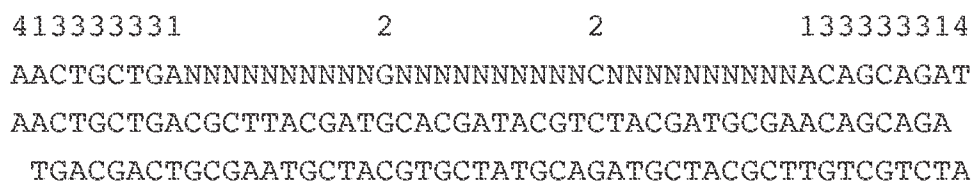


FIG. 8

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**FIG. 9**

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Schematic of Adaptor ¹⁰⁰⁰Schematic of 5' Adaptor Arm ¹⁰¹⁰Schematic of 3' Adaptor Arm ¹⁰²⁰Schematic of Final Adaptor ¹⁰³⁰**FIG. 10**

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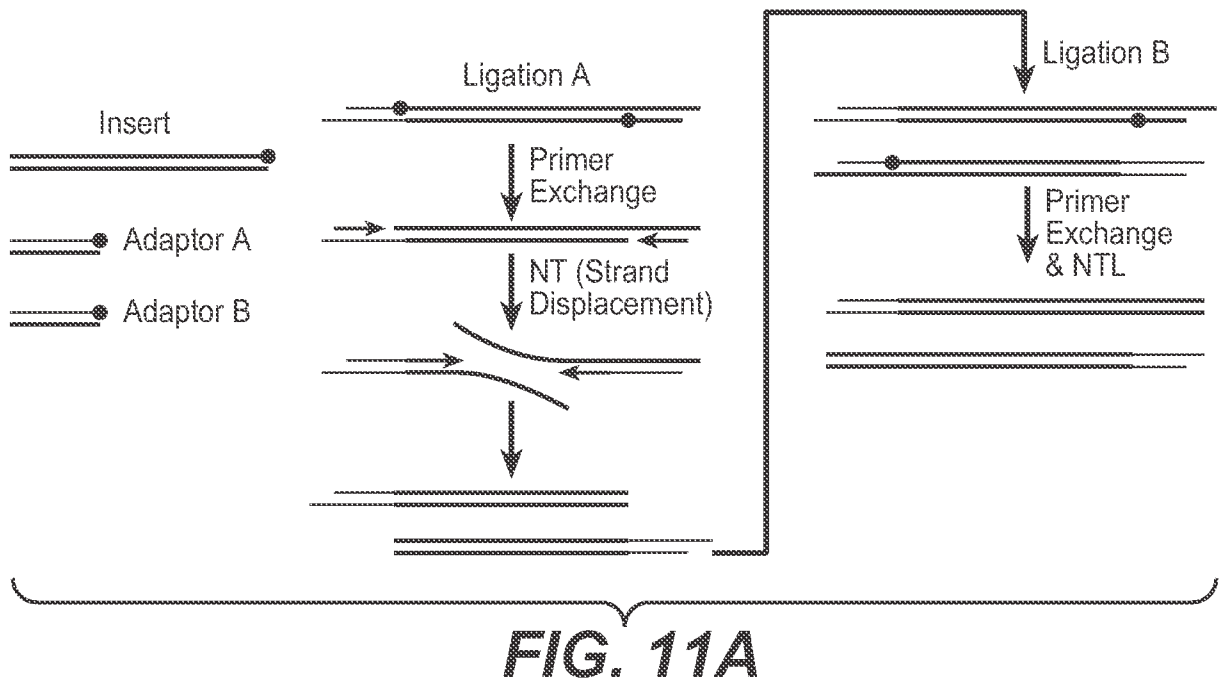
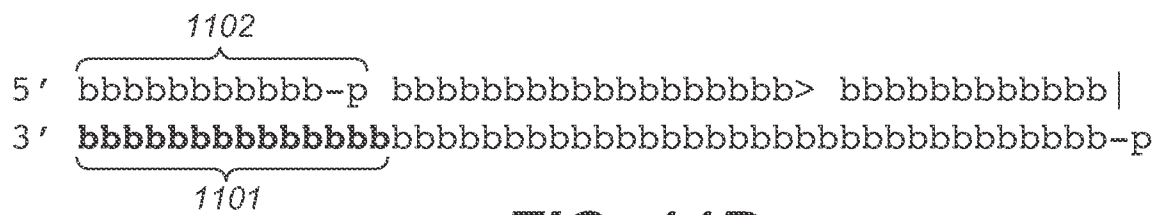
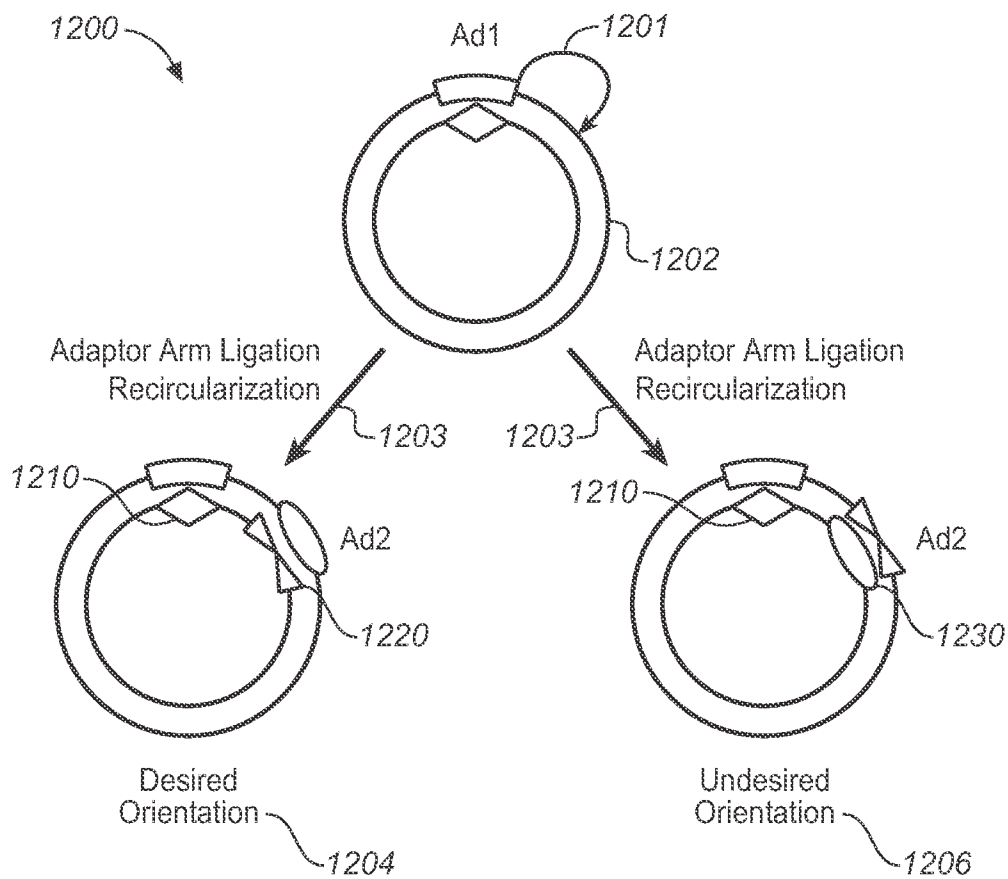
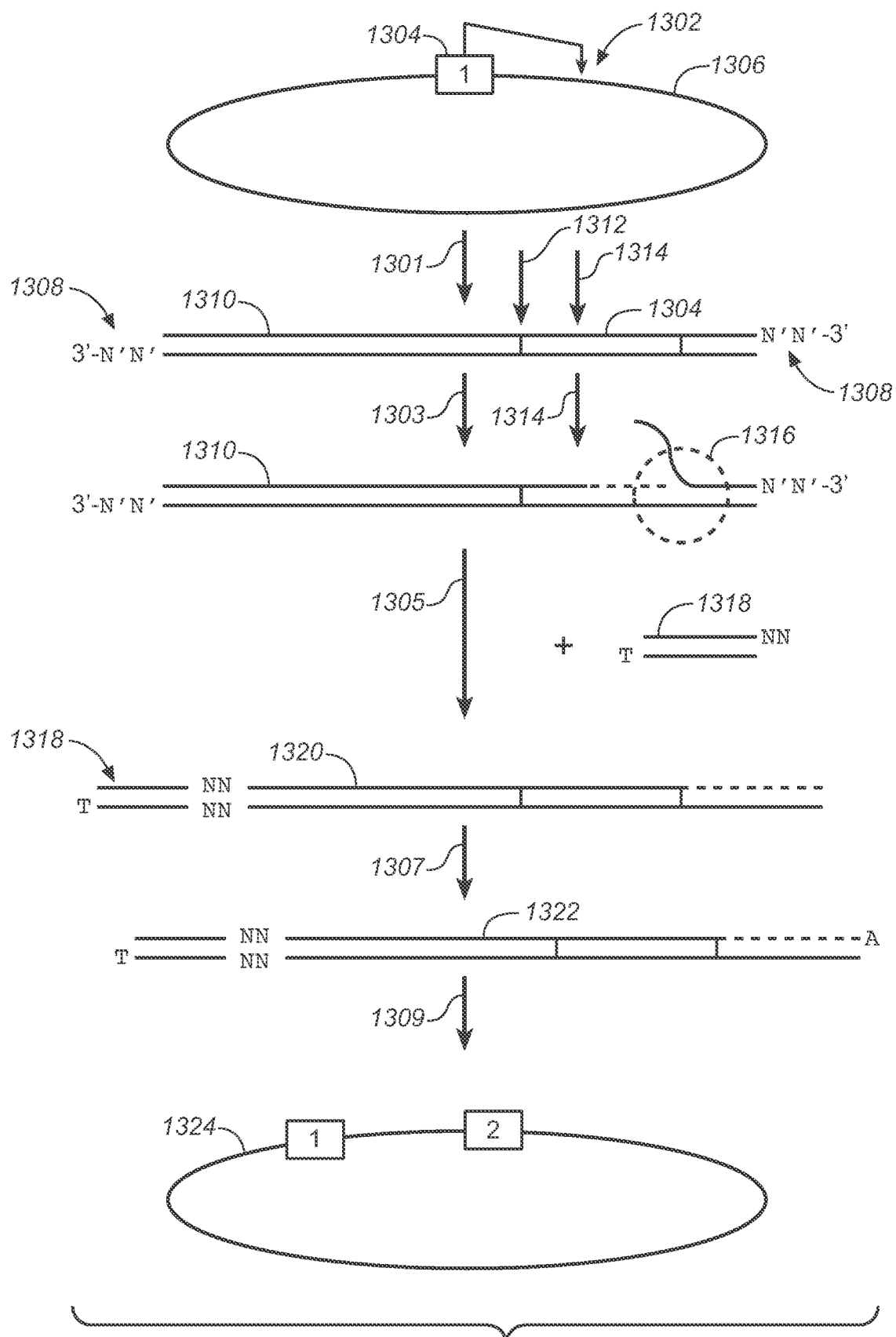


FIG. 11B

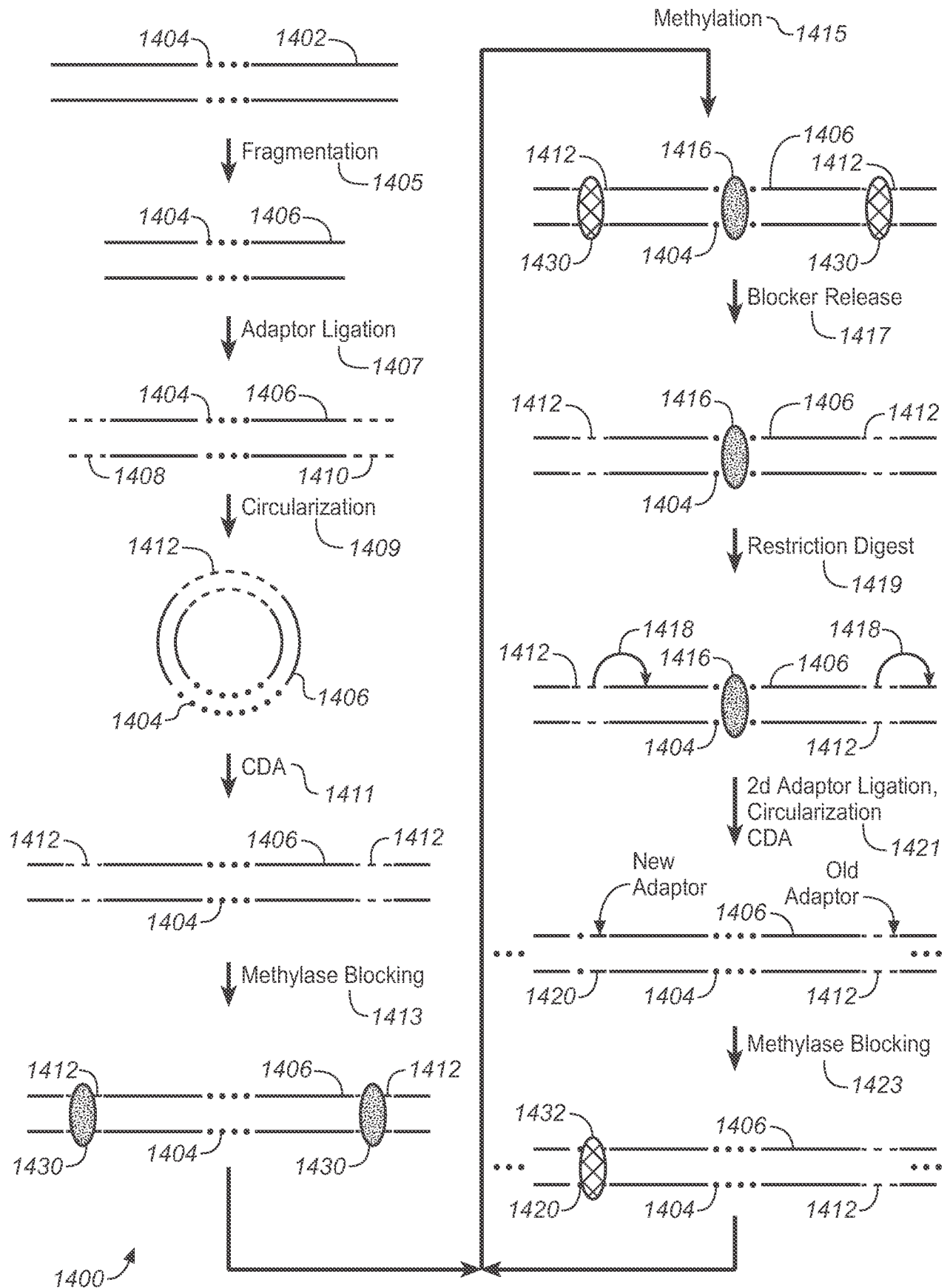
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**FIG. 12**

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**FIG. 13**

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**FIG. 14**

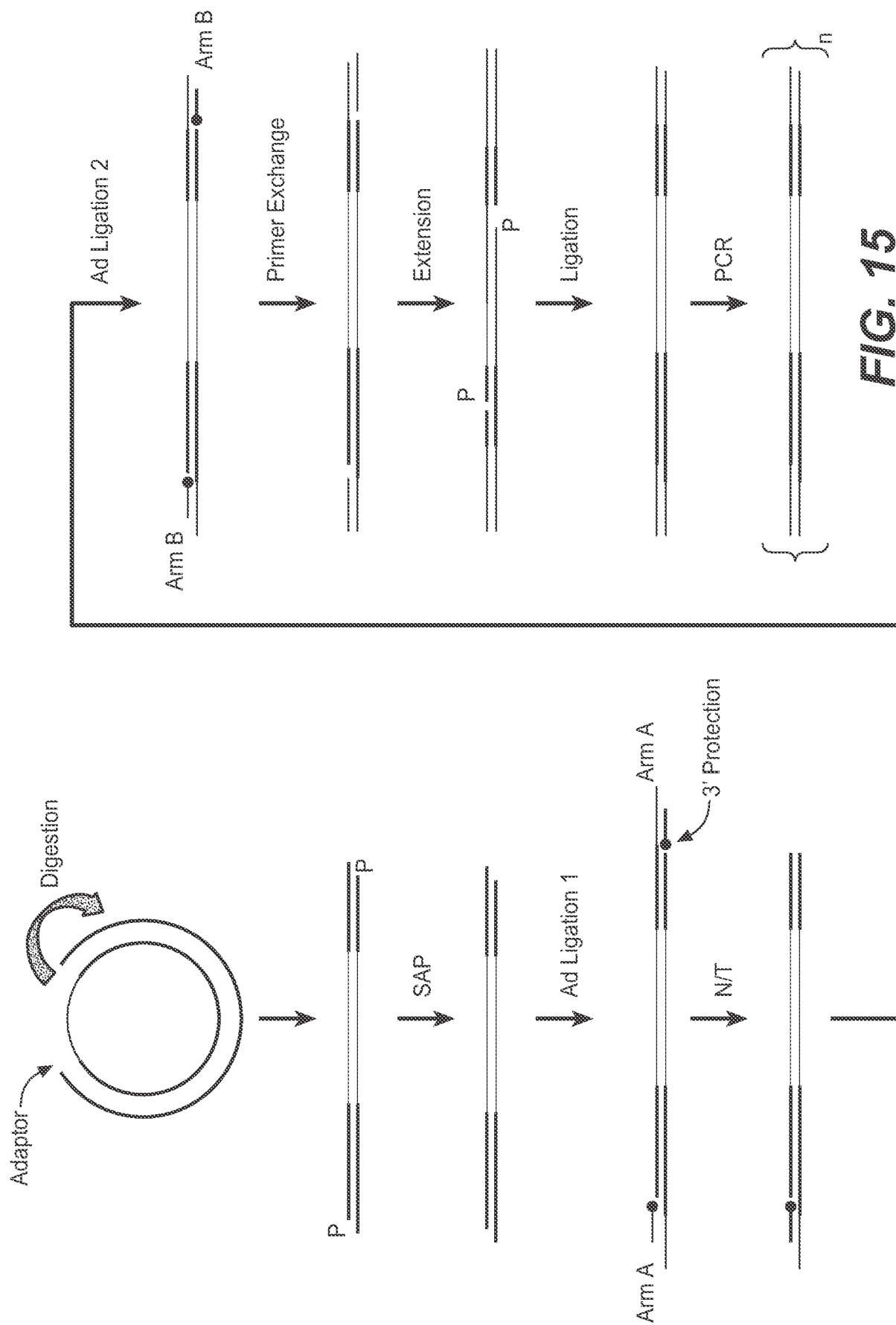
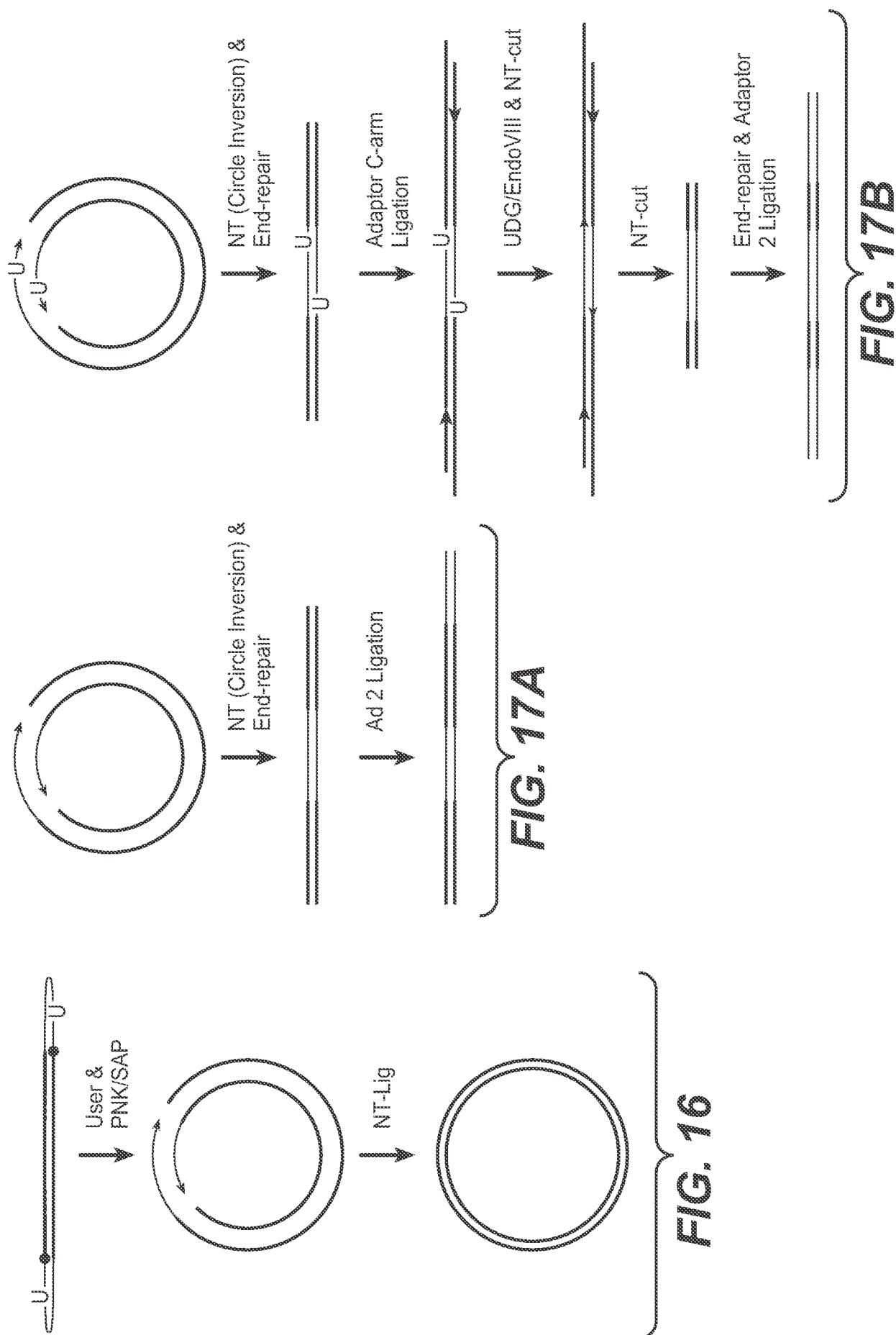
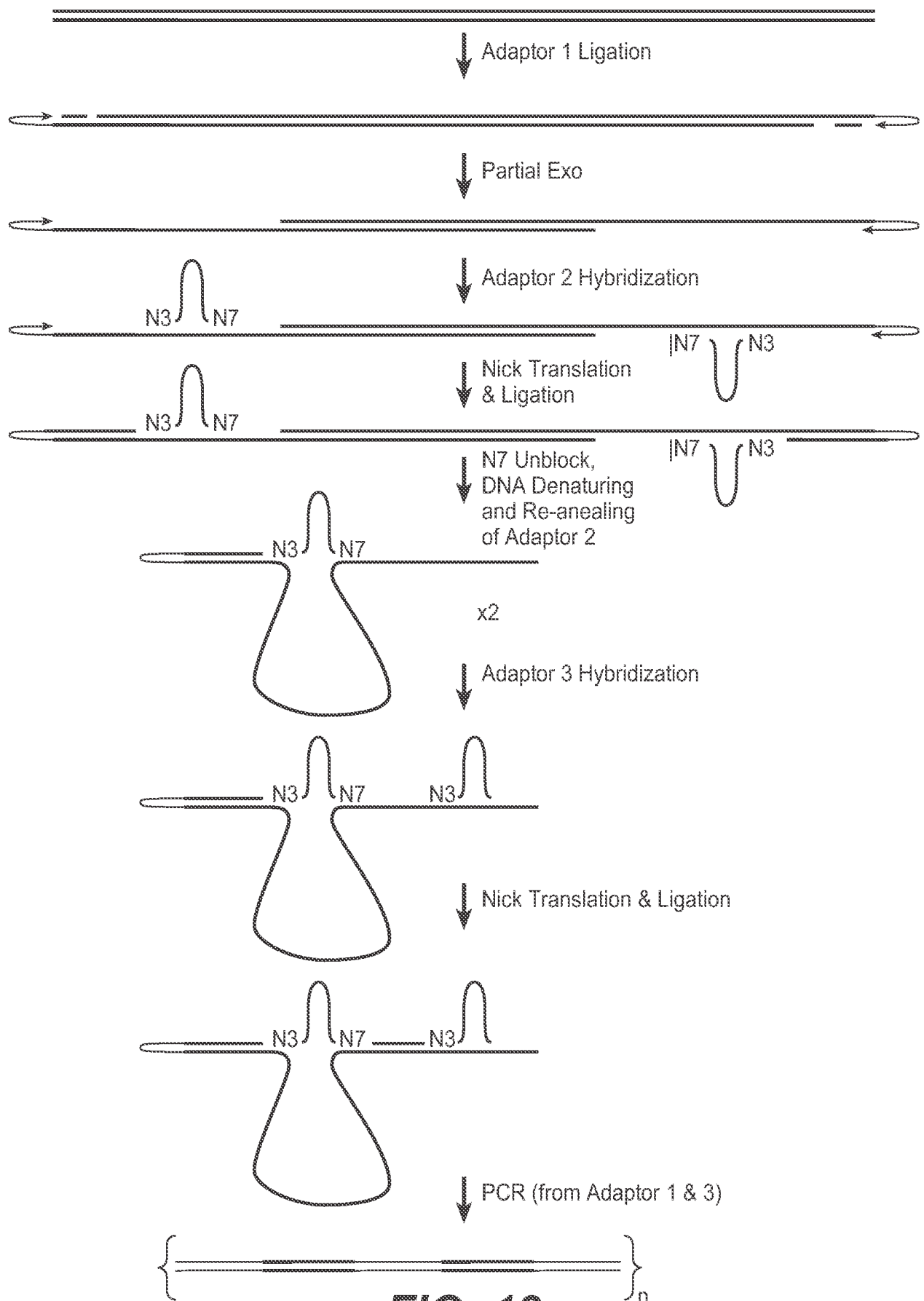


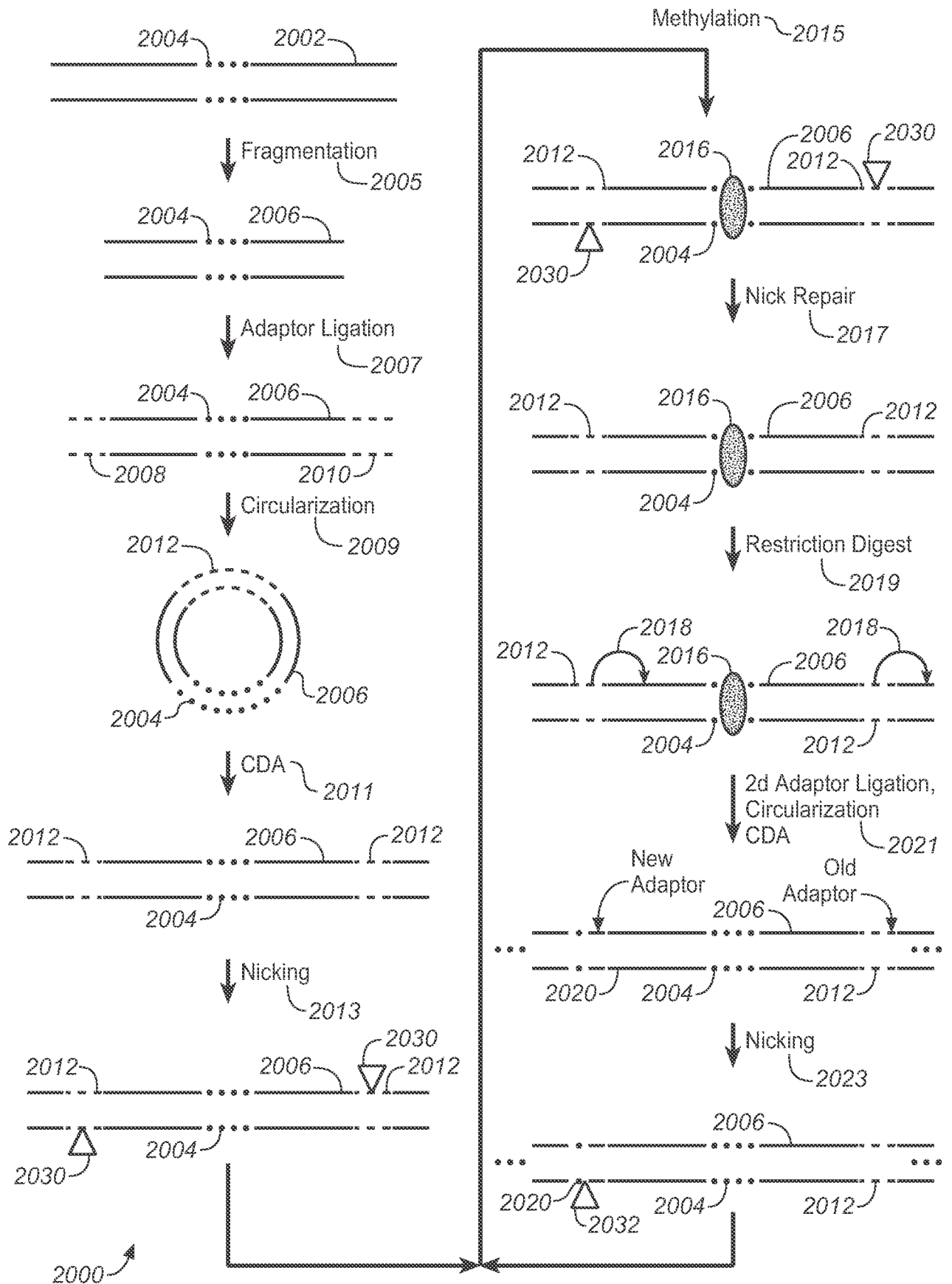
FIG. 15



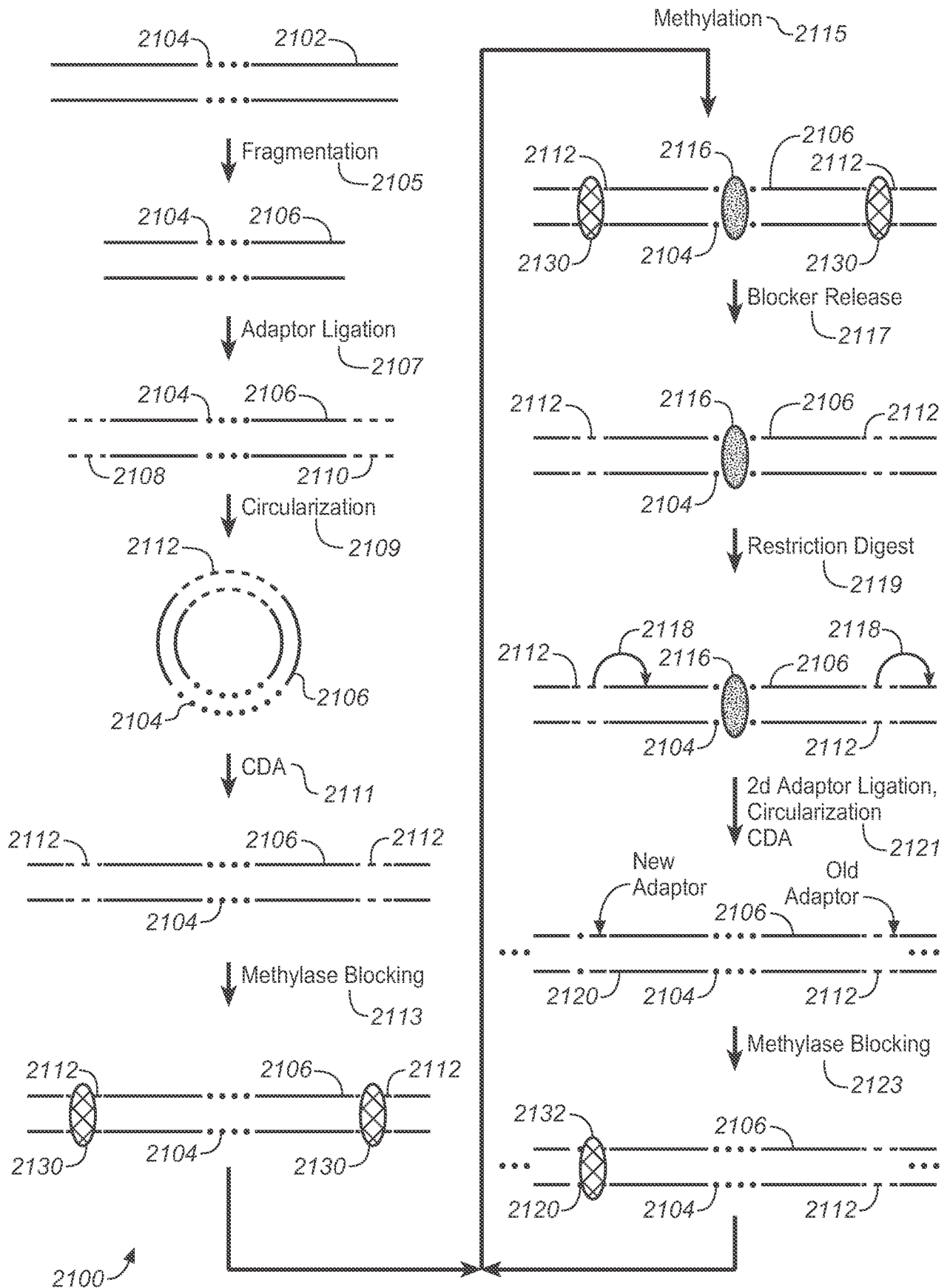
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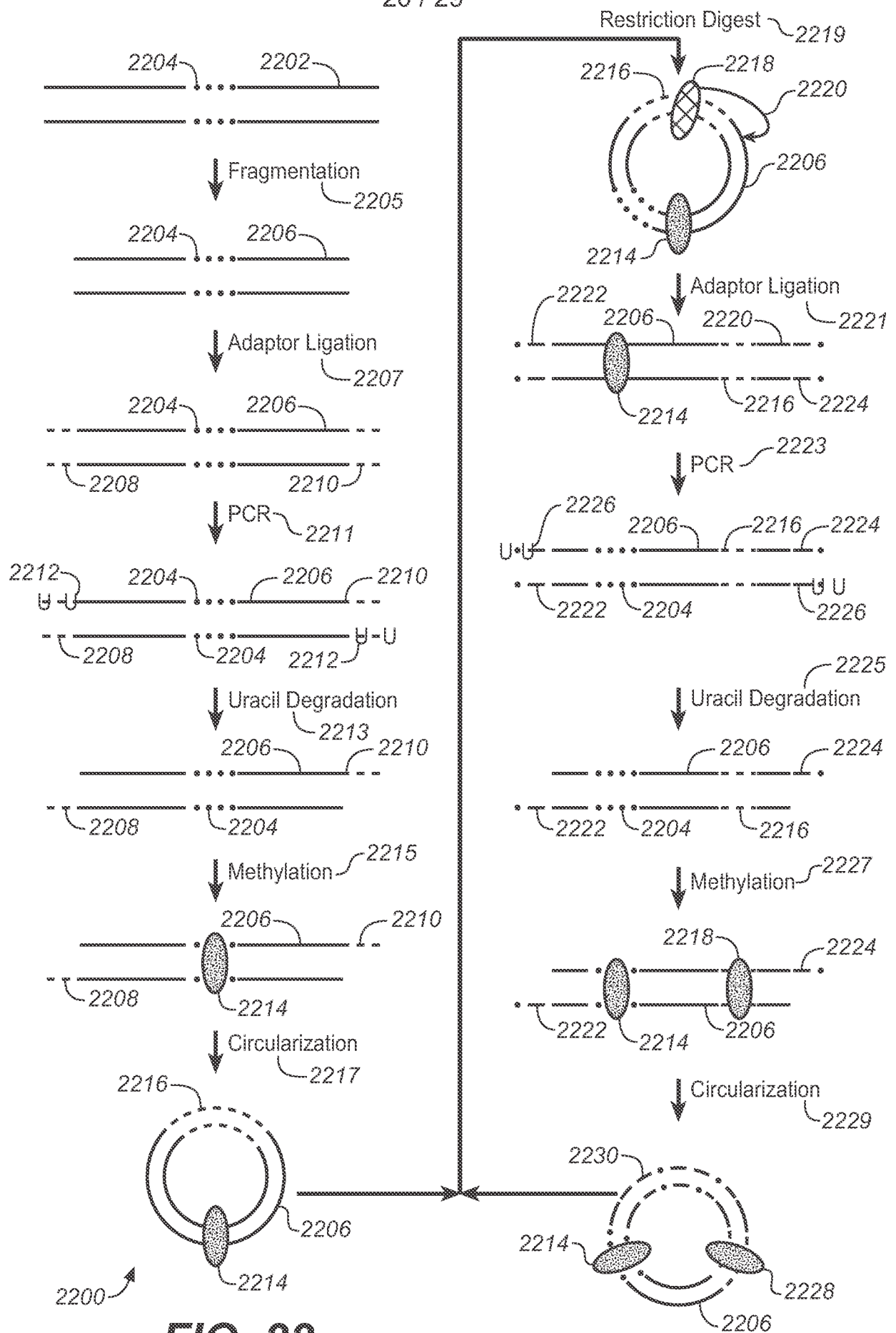
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**FIG. 20**

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**FIG. 21**

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**FIG. 22**

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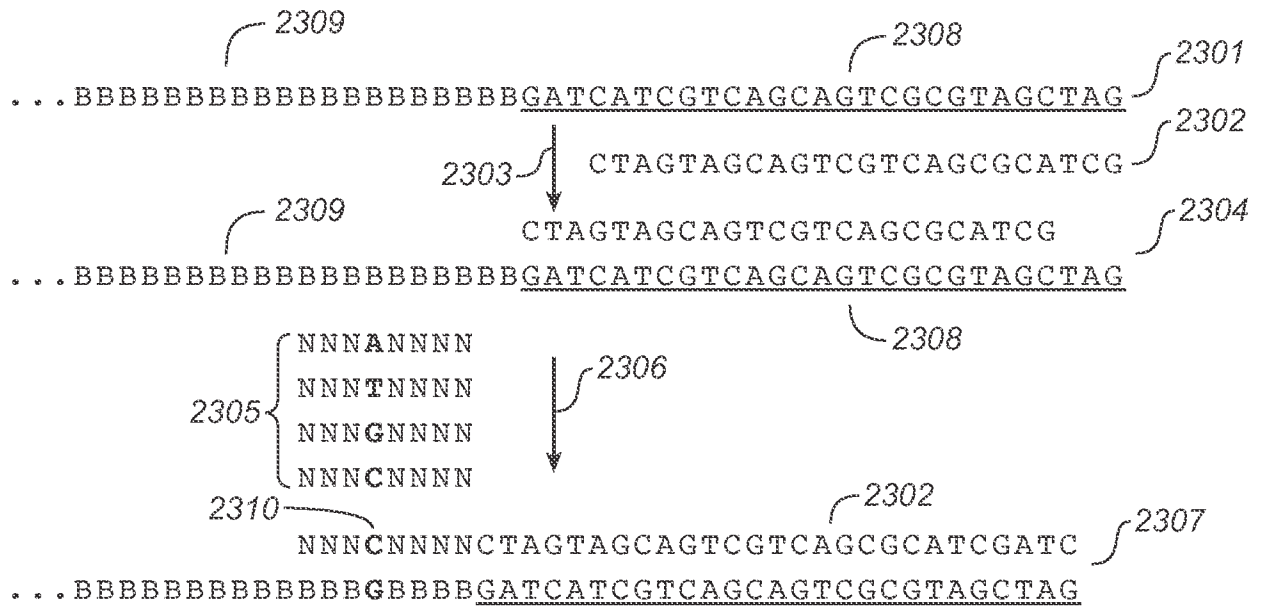
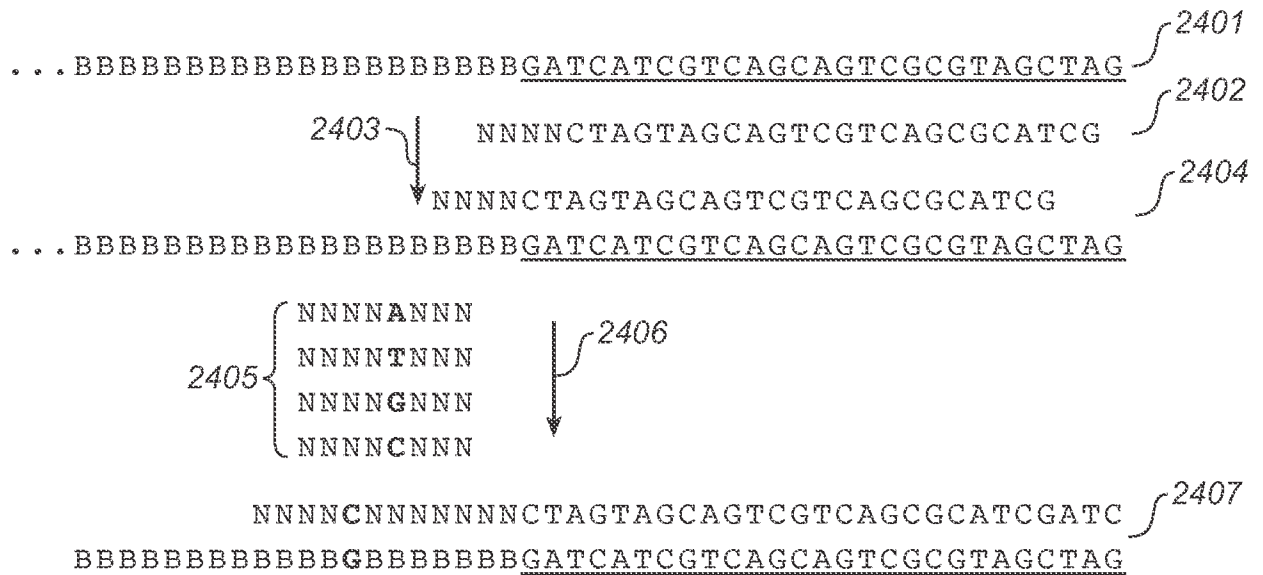
**FIG. 23****FIG. 24**

FIG. 25

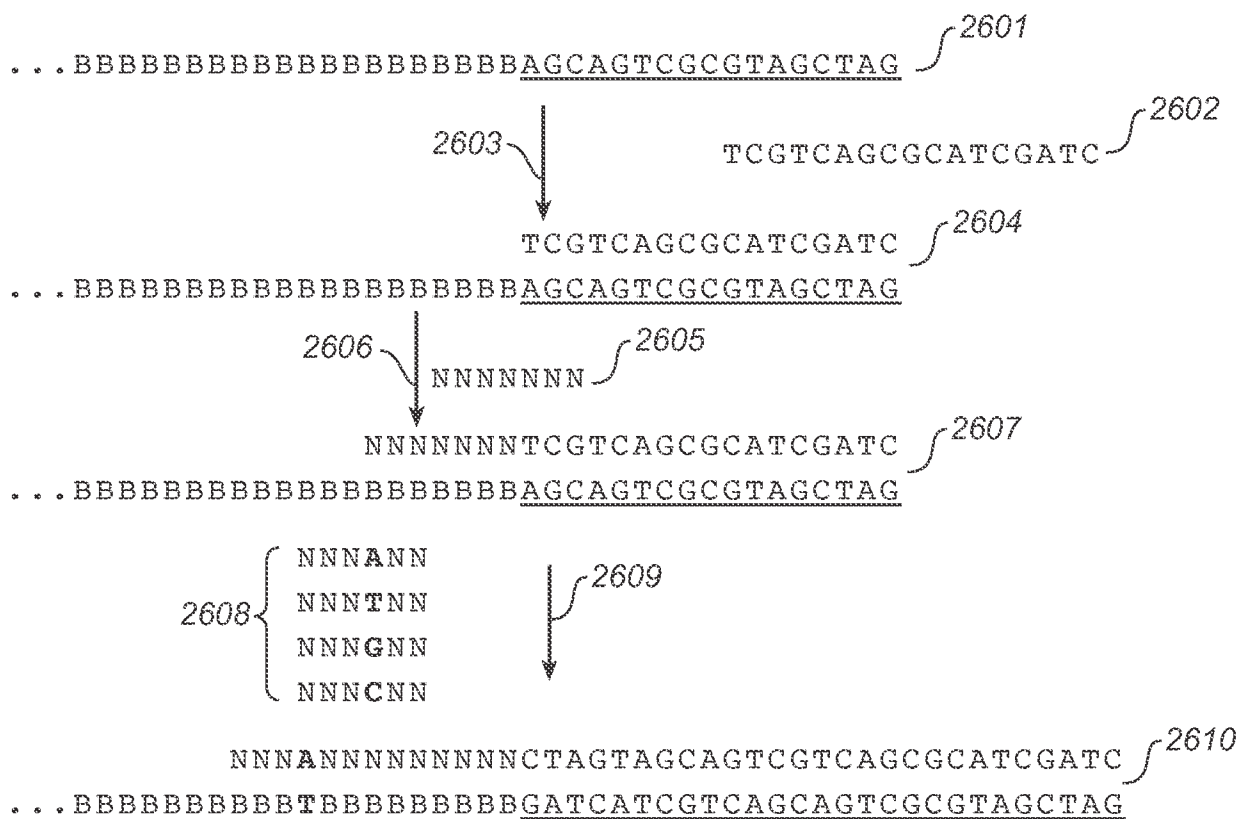
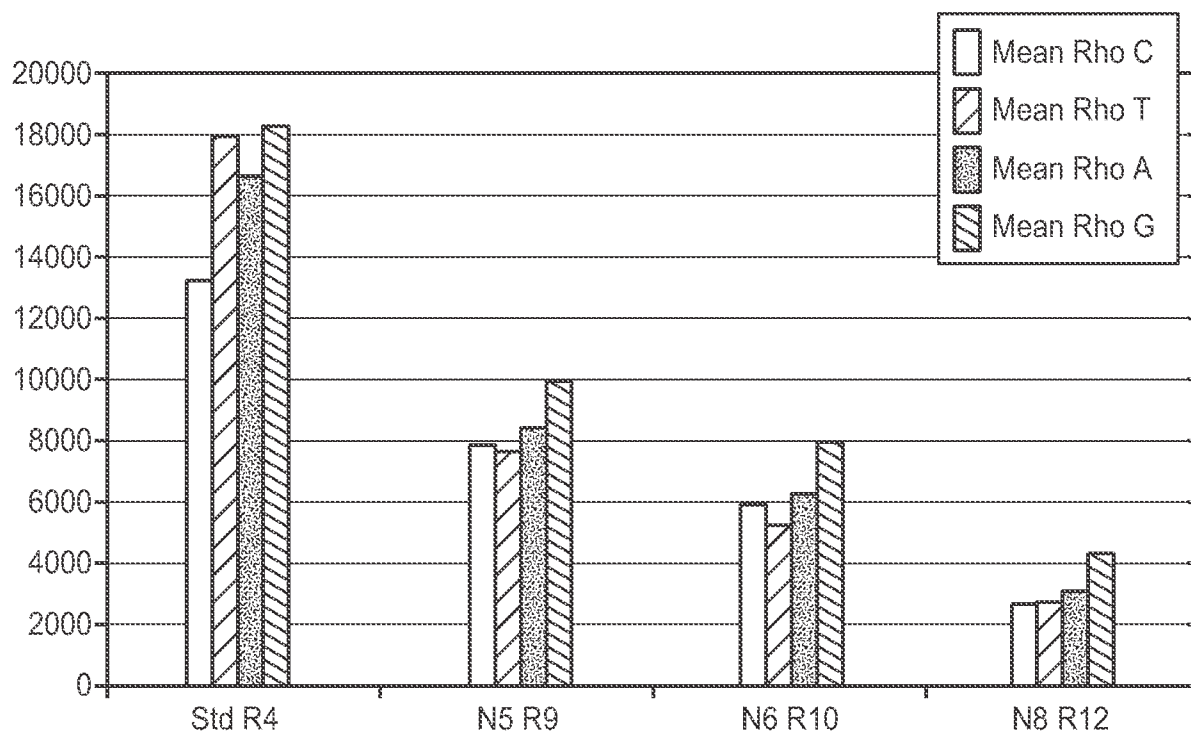
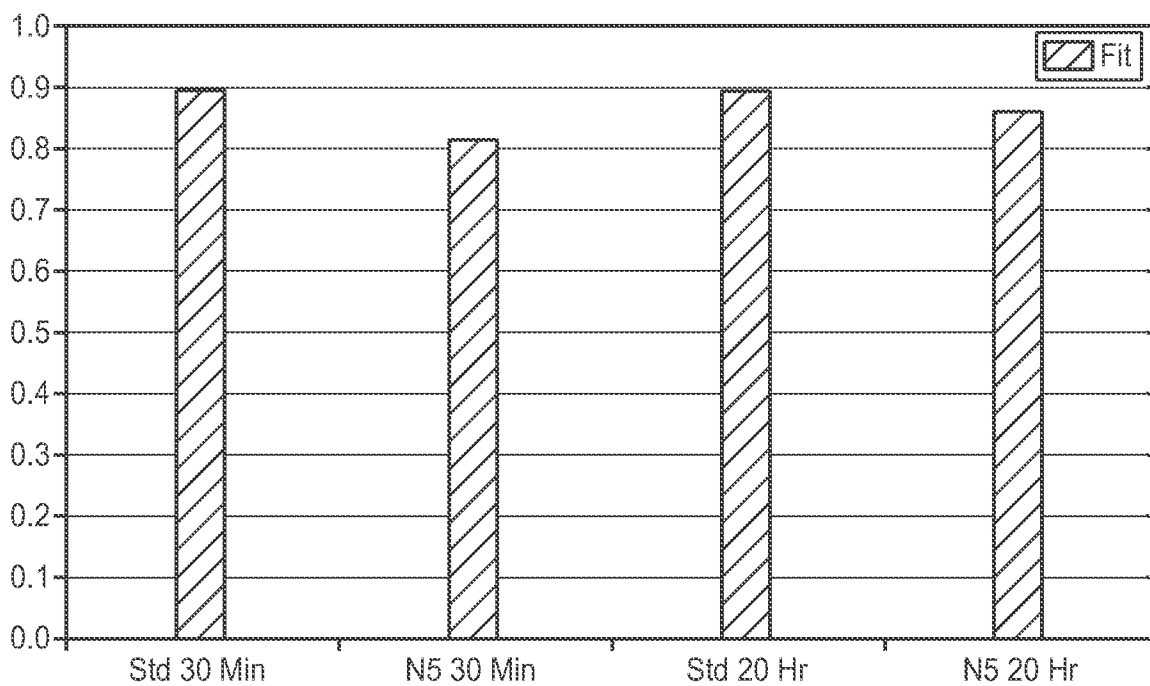
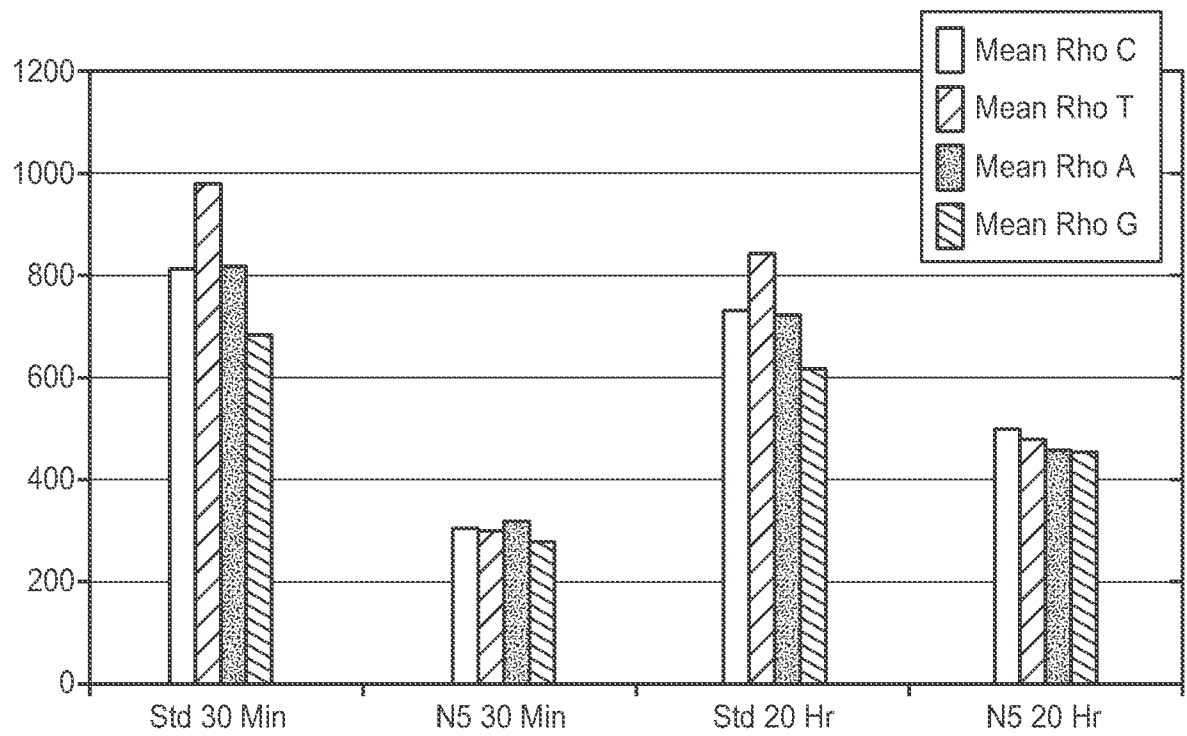
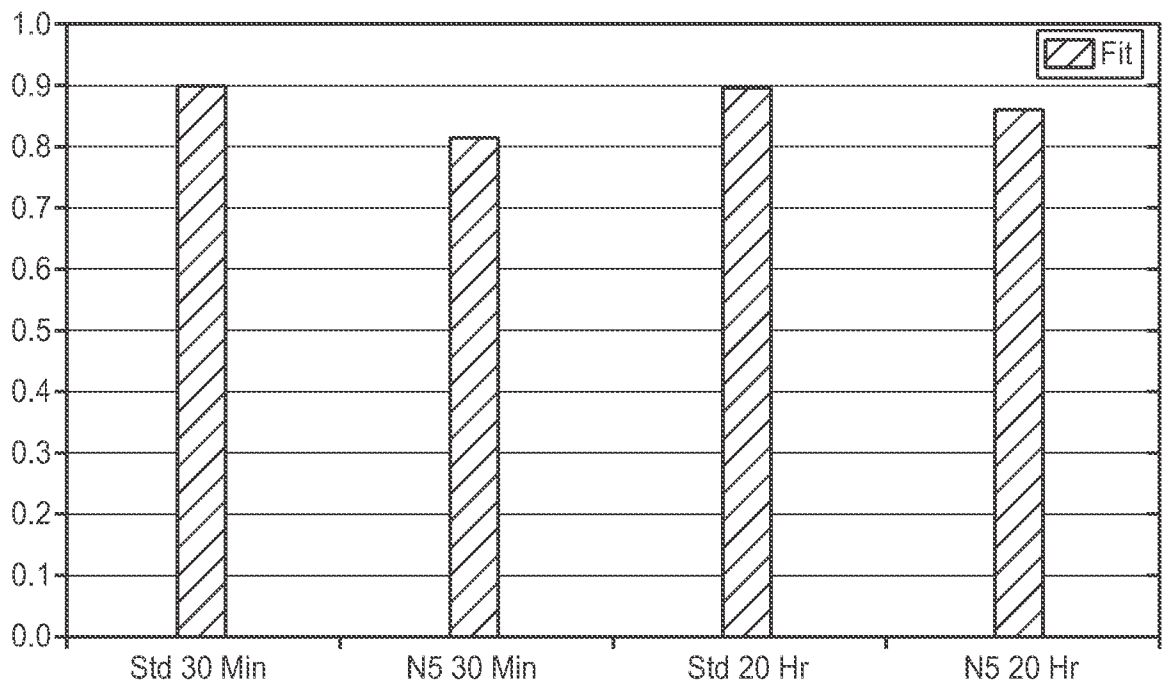


FIG. 26

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**FIG. 27****FIG. 28**

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**FIG. 29****FIG. 30**

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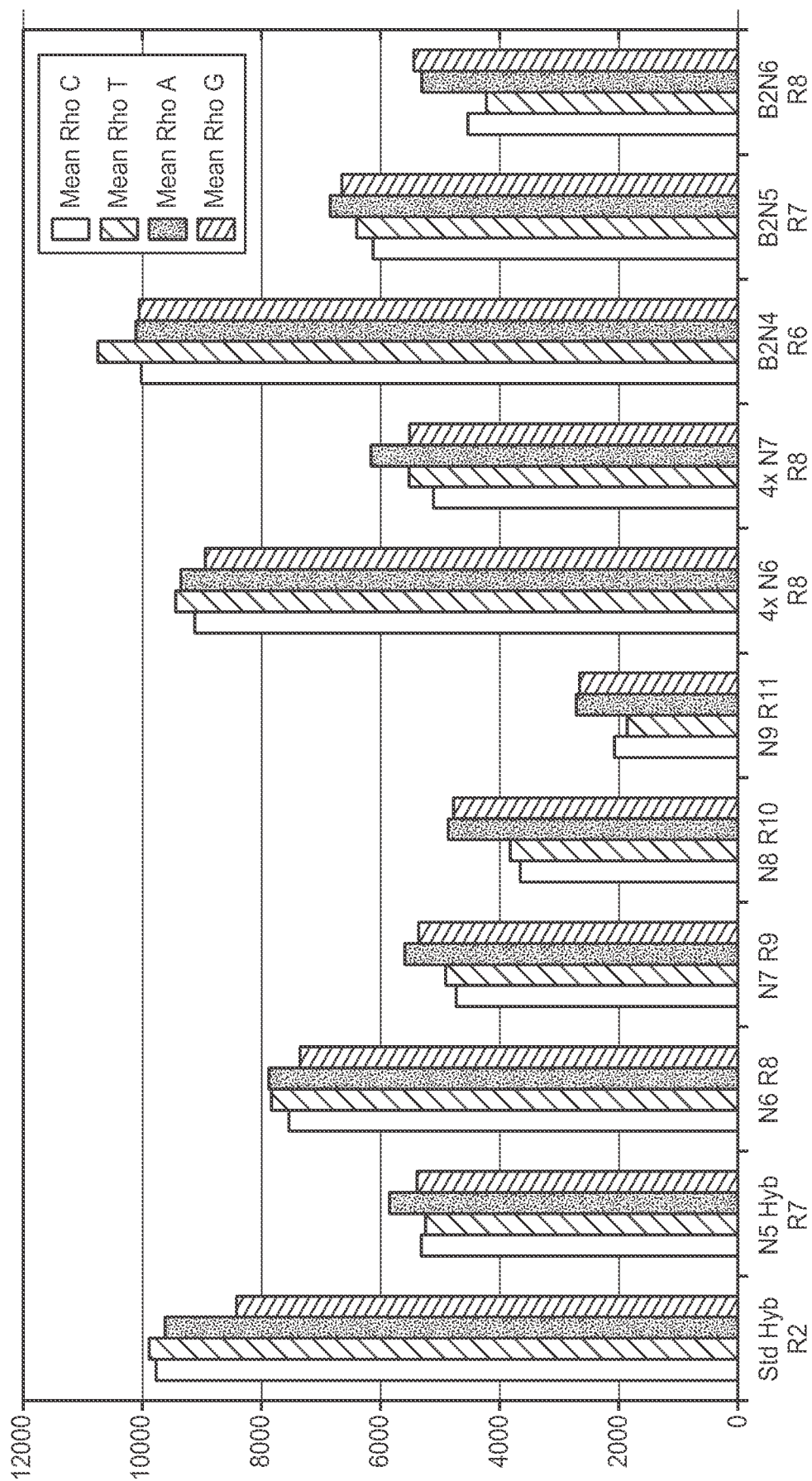
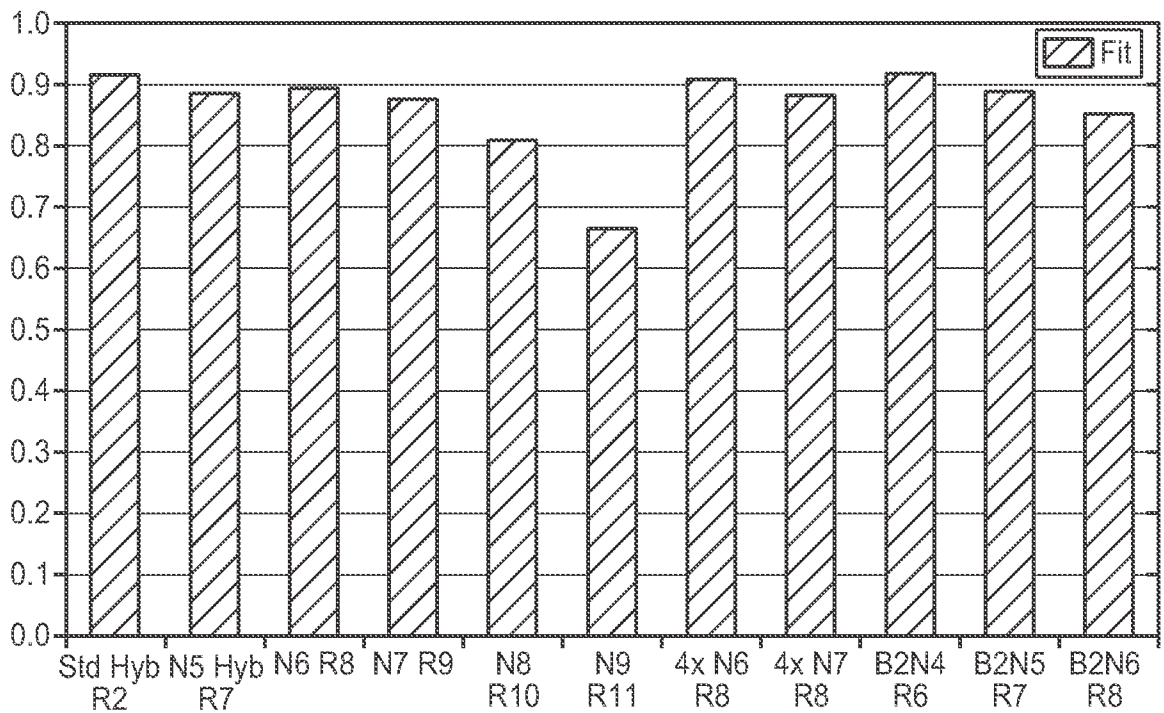
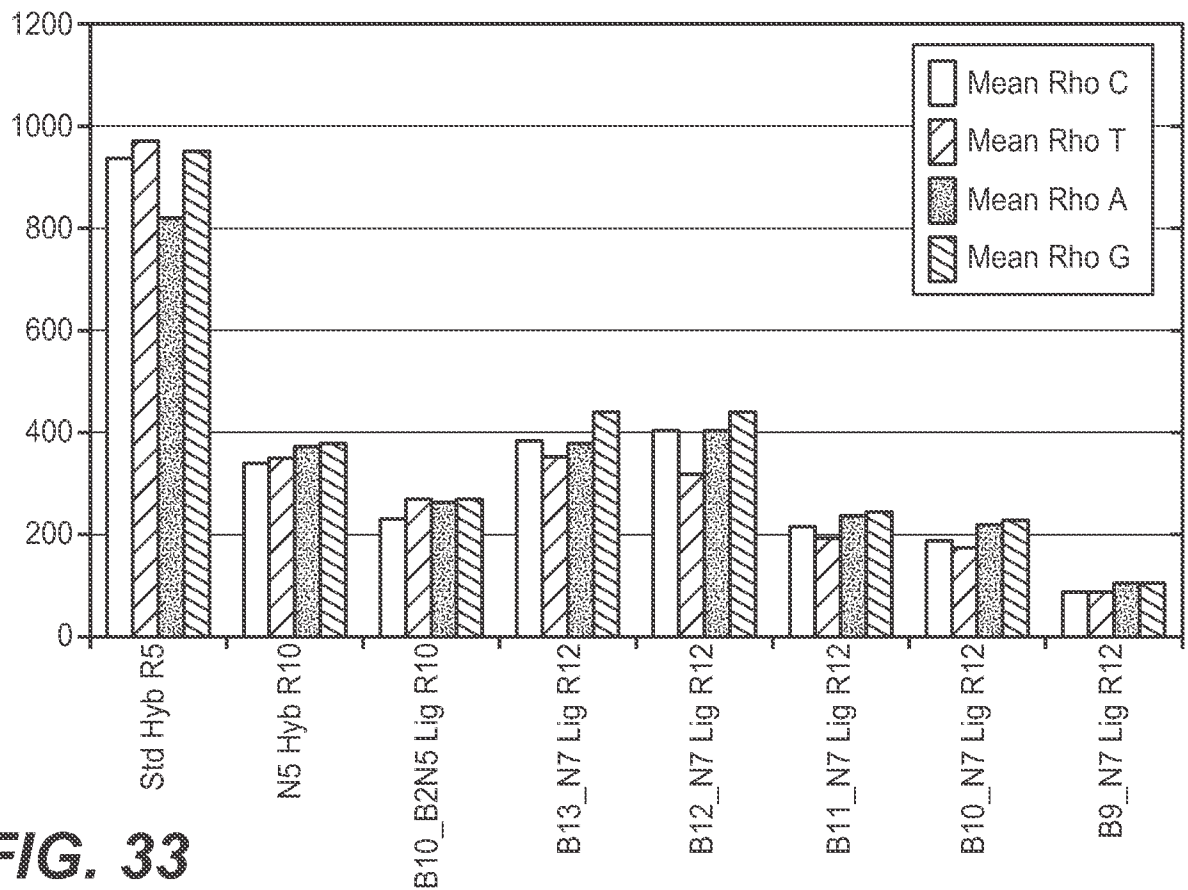
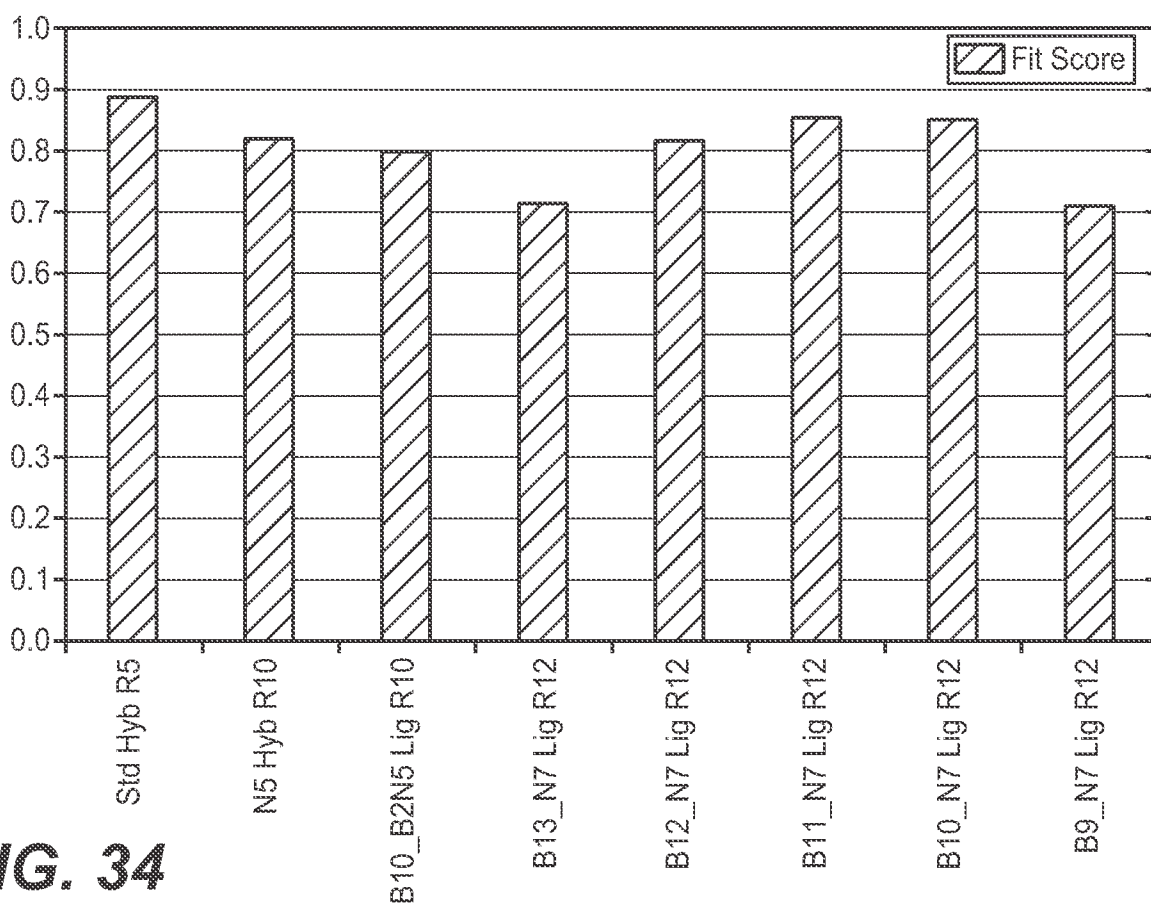
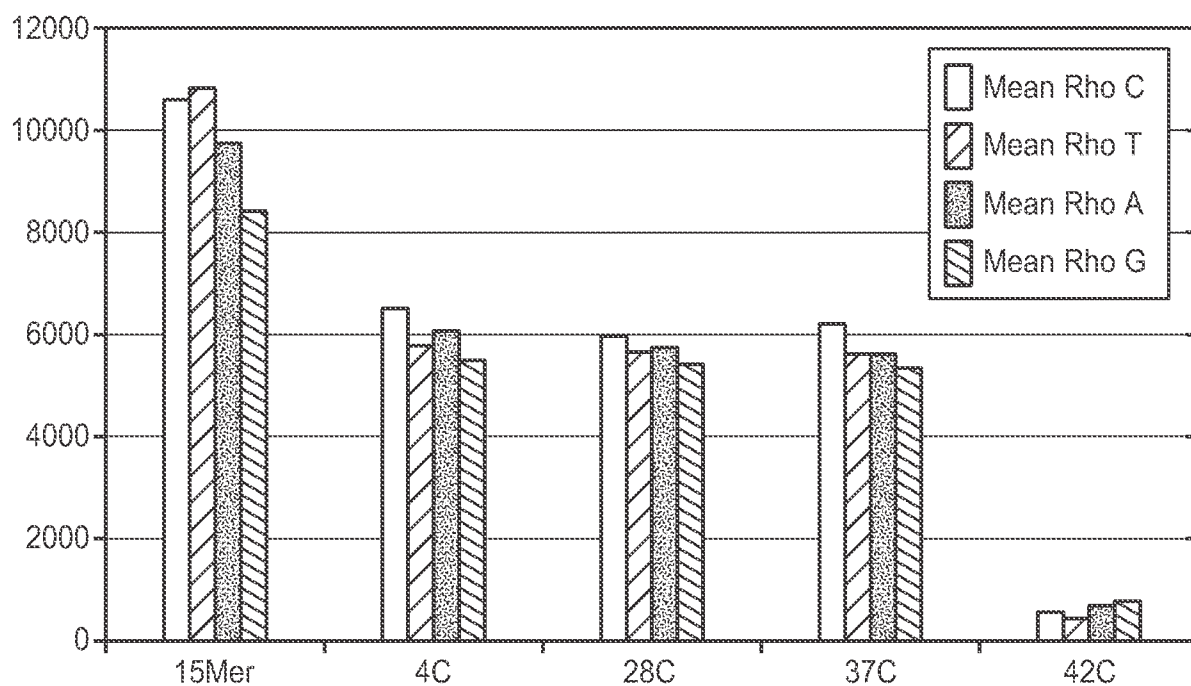


FIG. 31

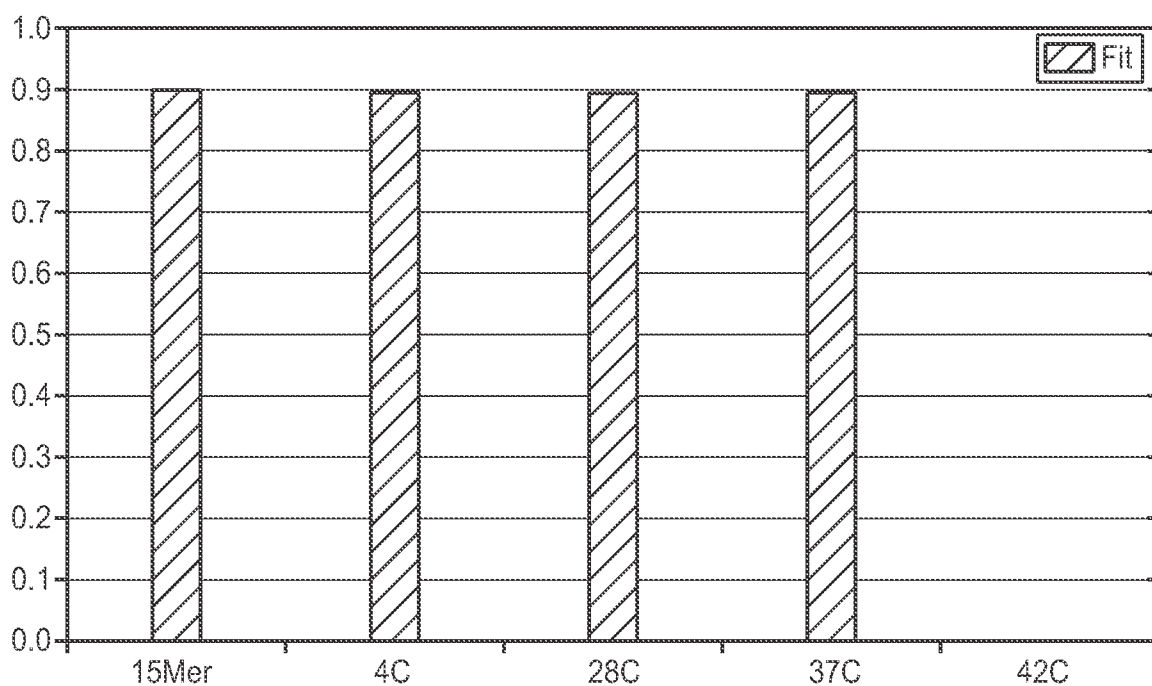
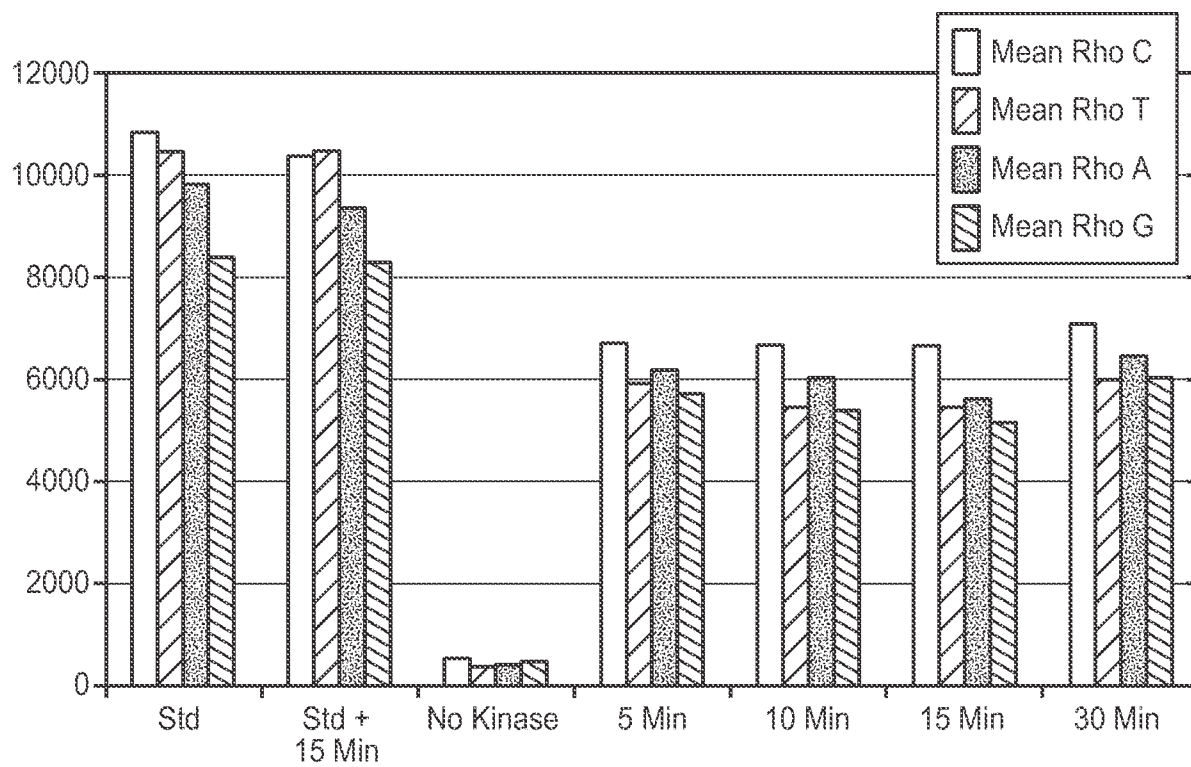
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**FIG. 32****FIG. 33**

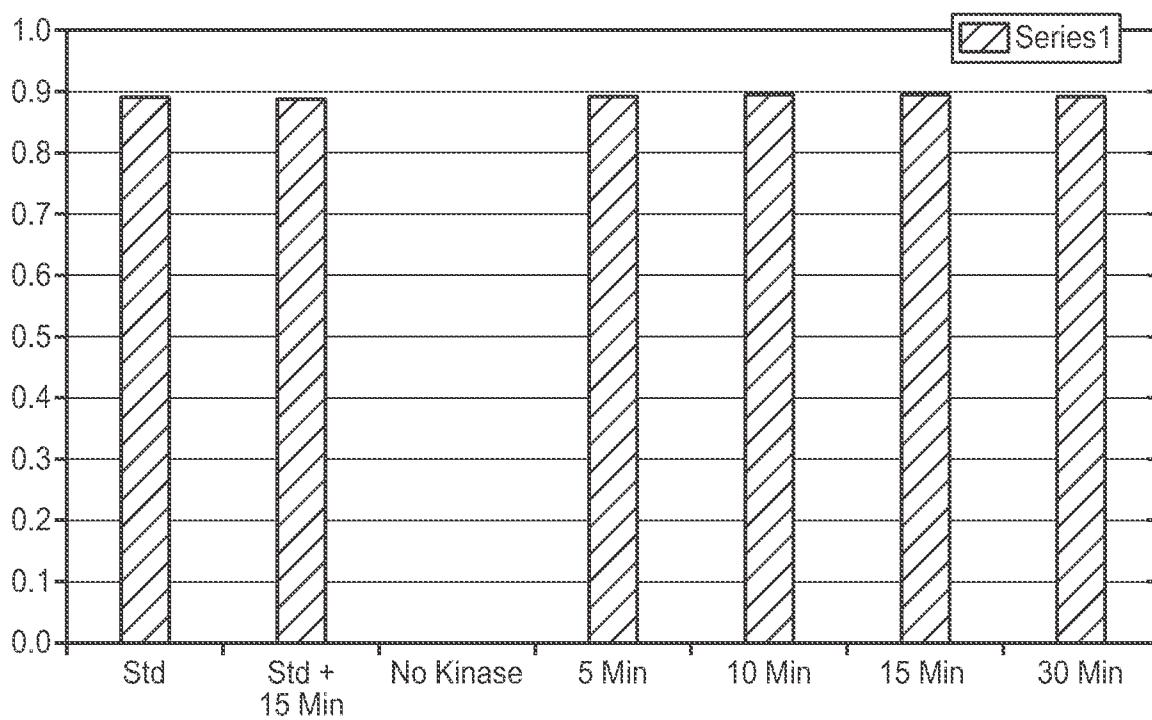
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**FIG. 34****FIG. 35**

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**FIG. 36****FIG. 37**

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**FIG. 38**