

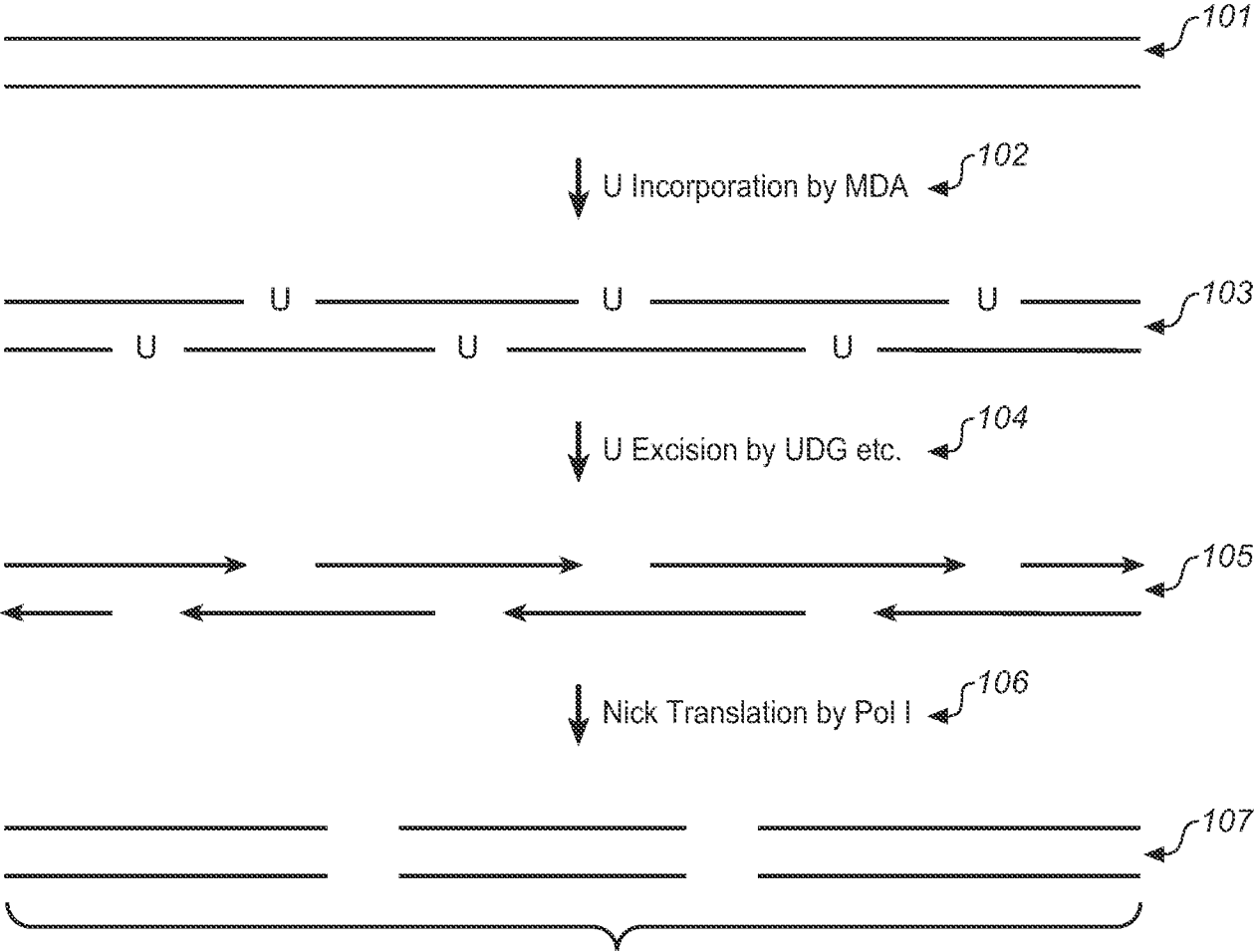


FIG. 1

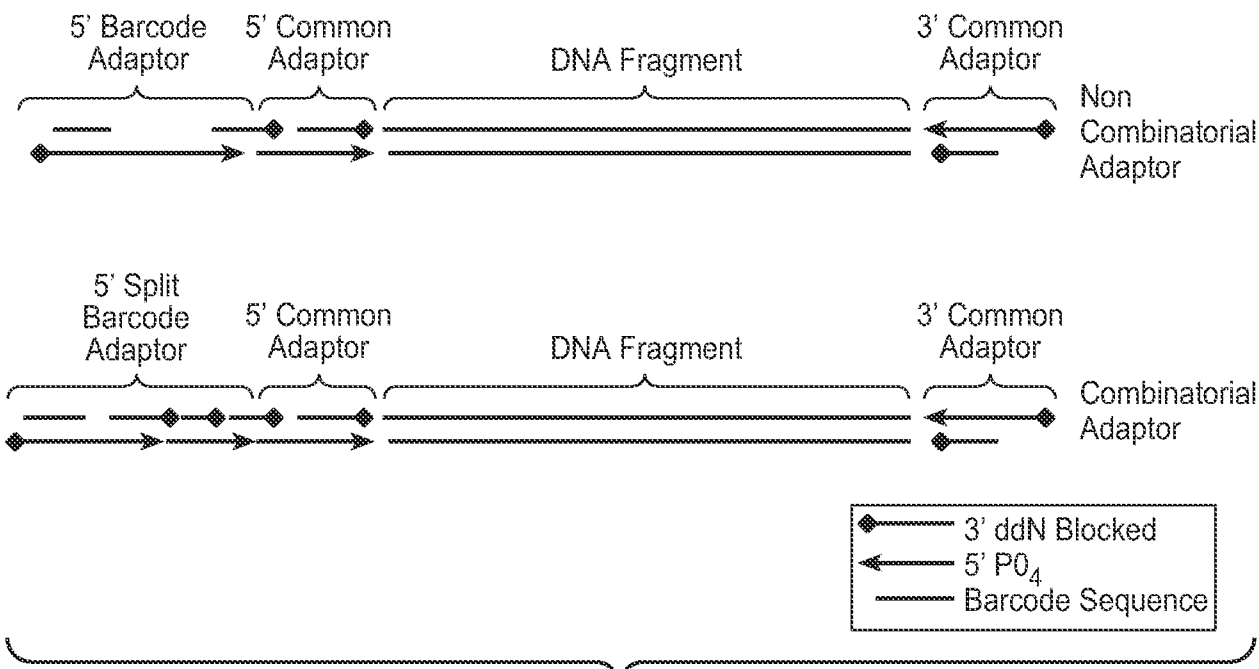
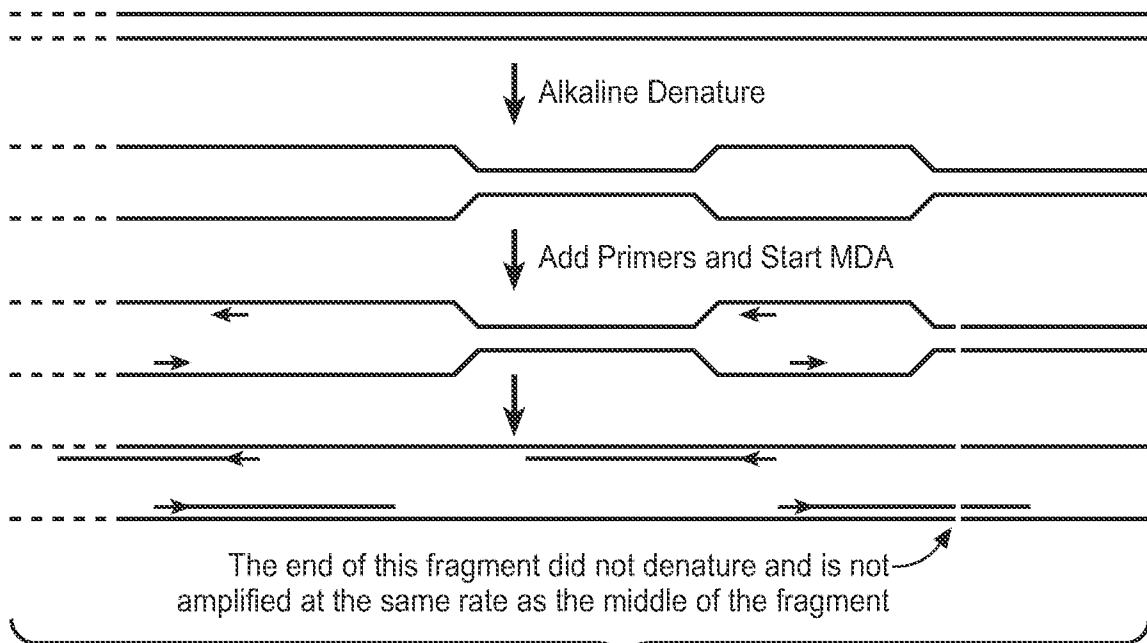


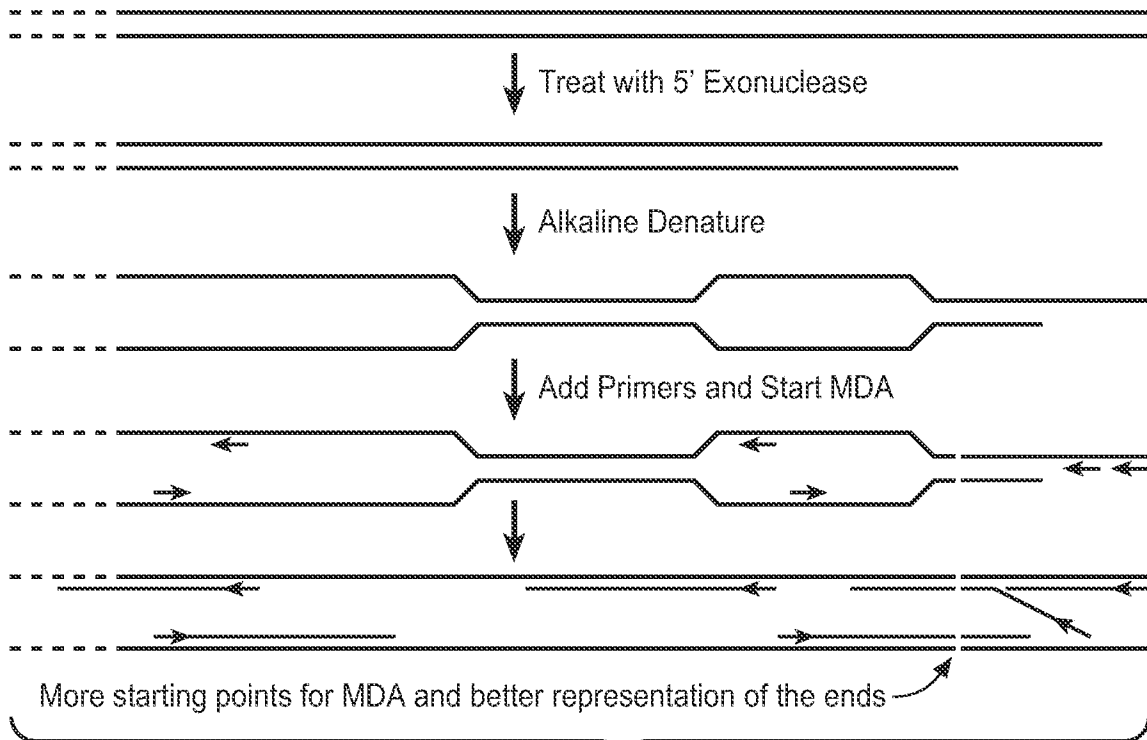
FIG. 3

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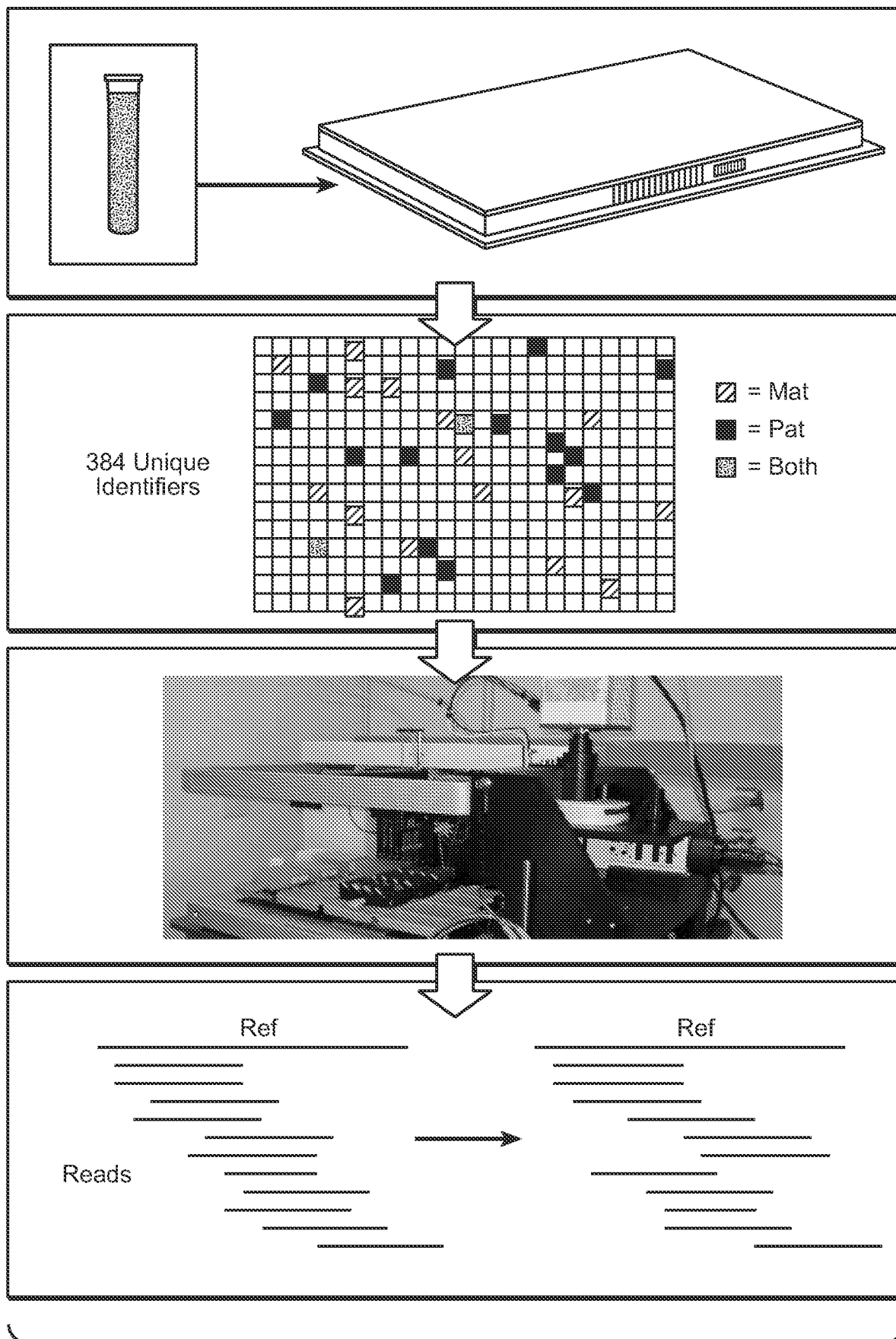
Standard MDA
Genomic DNA

**FIG. 2A**

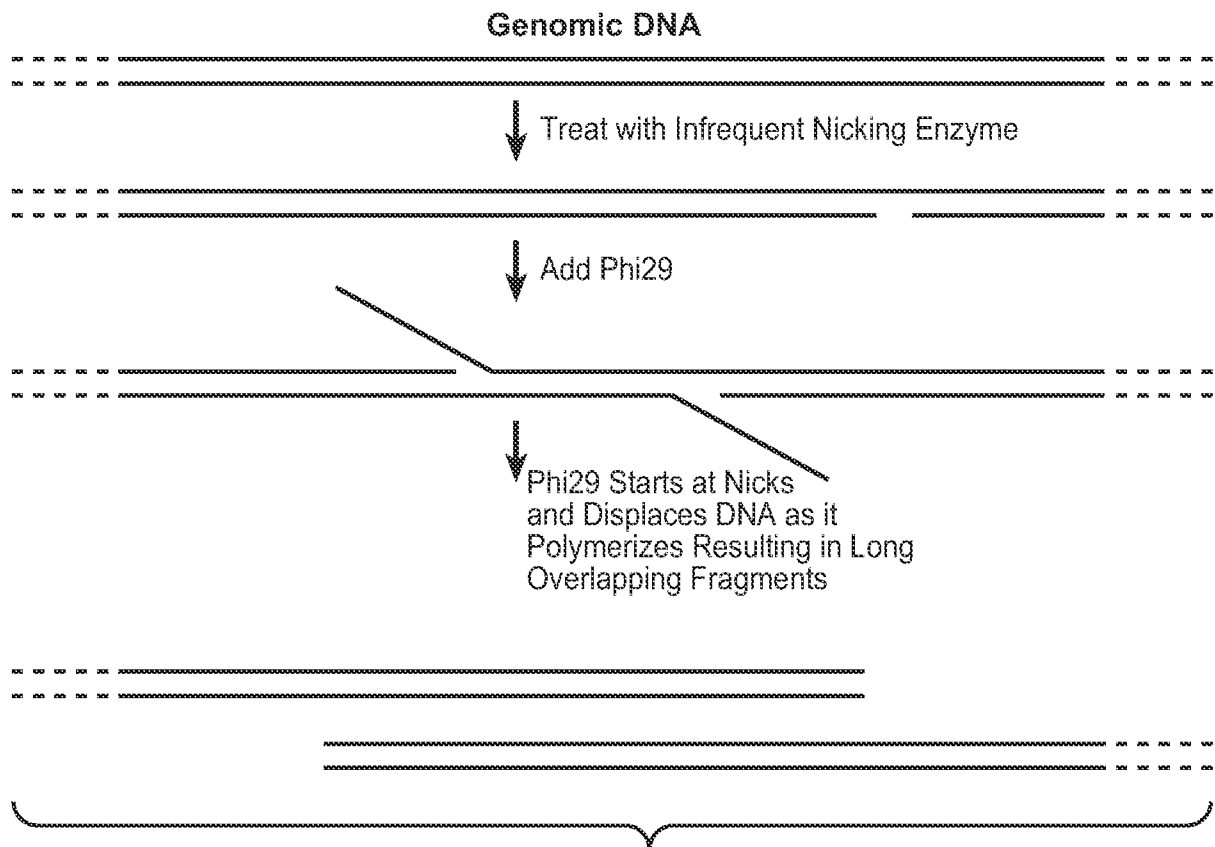
With 5' Exonuclease
Genomic DNA

**FIG. 2B**

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**FIG. 2C**

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

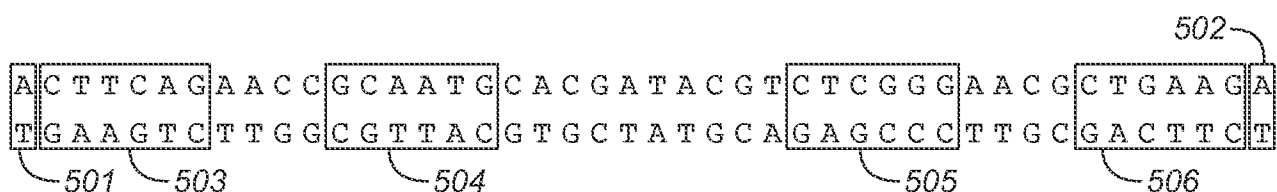
ACTTCAGAACCGCAATGCACGATACGTCTCGGGAACGCTGAAGA (SEQ ID NO: 1)

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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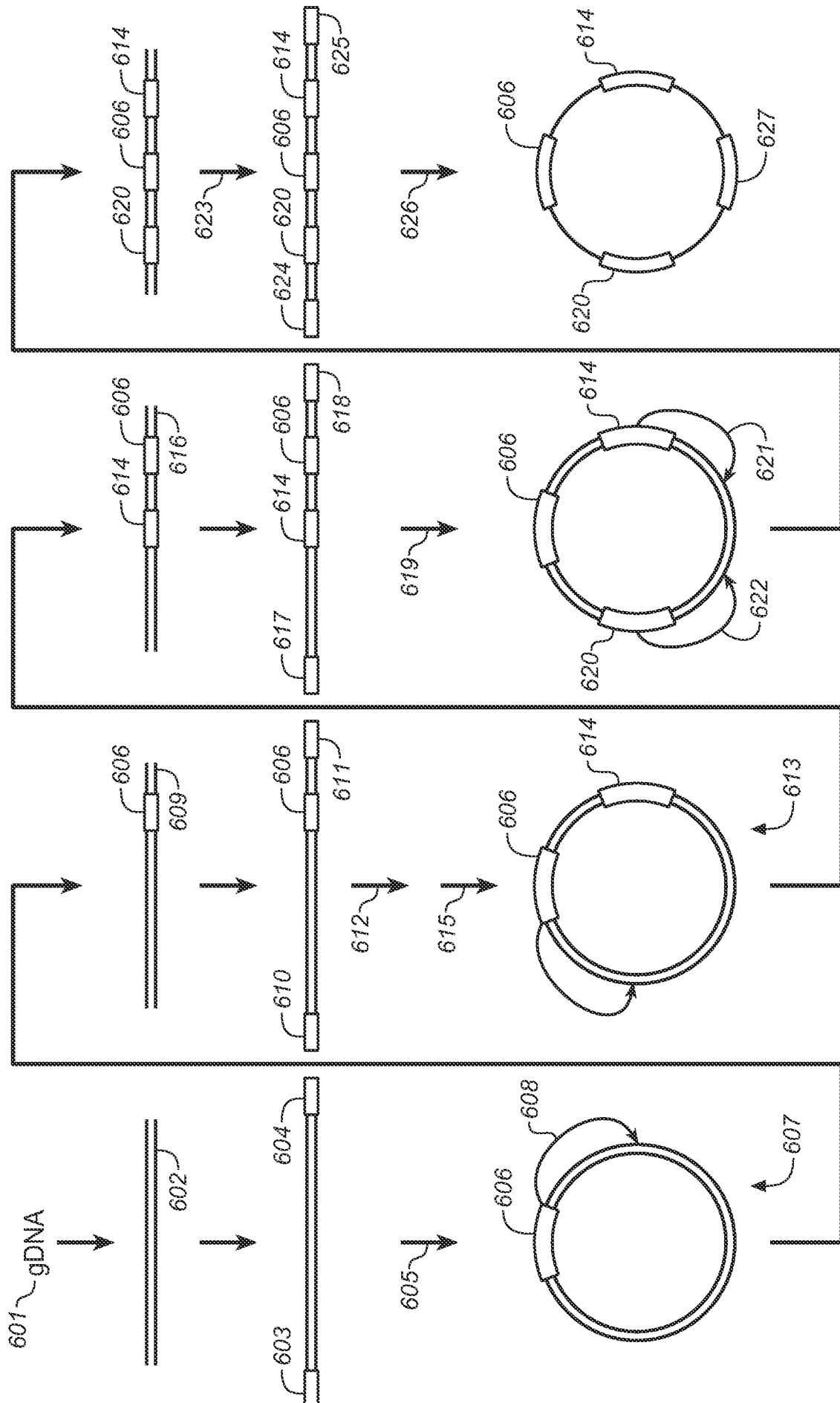
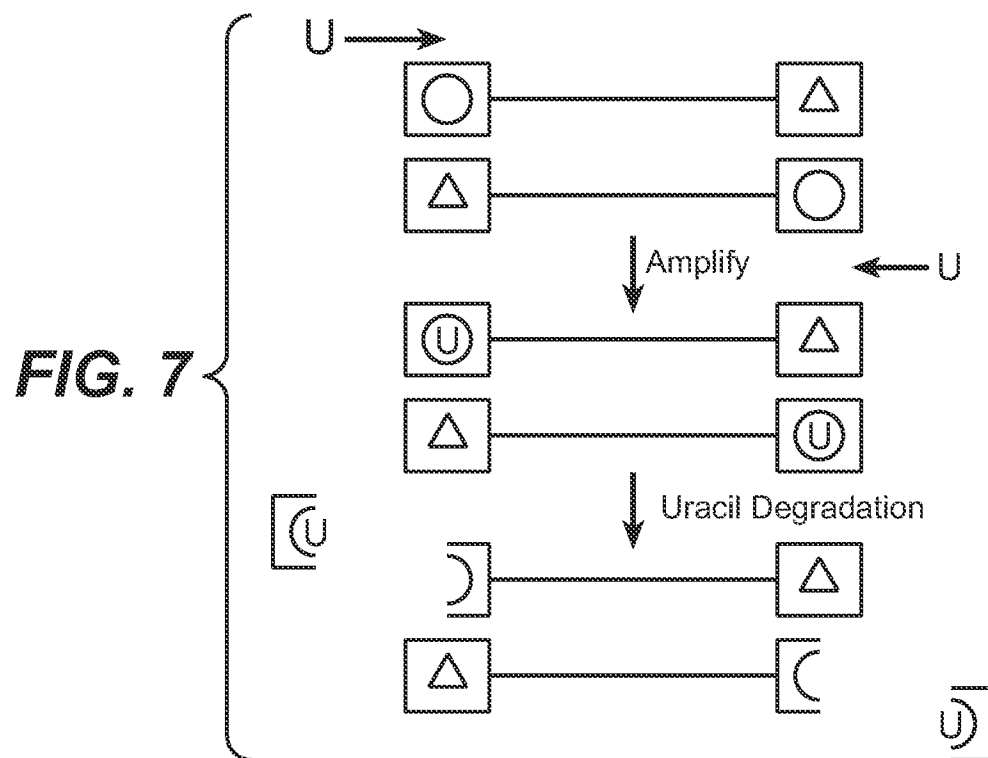
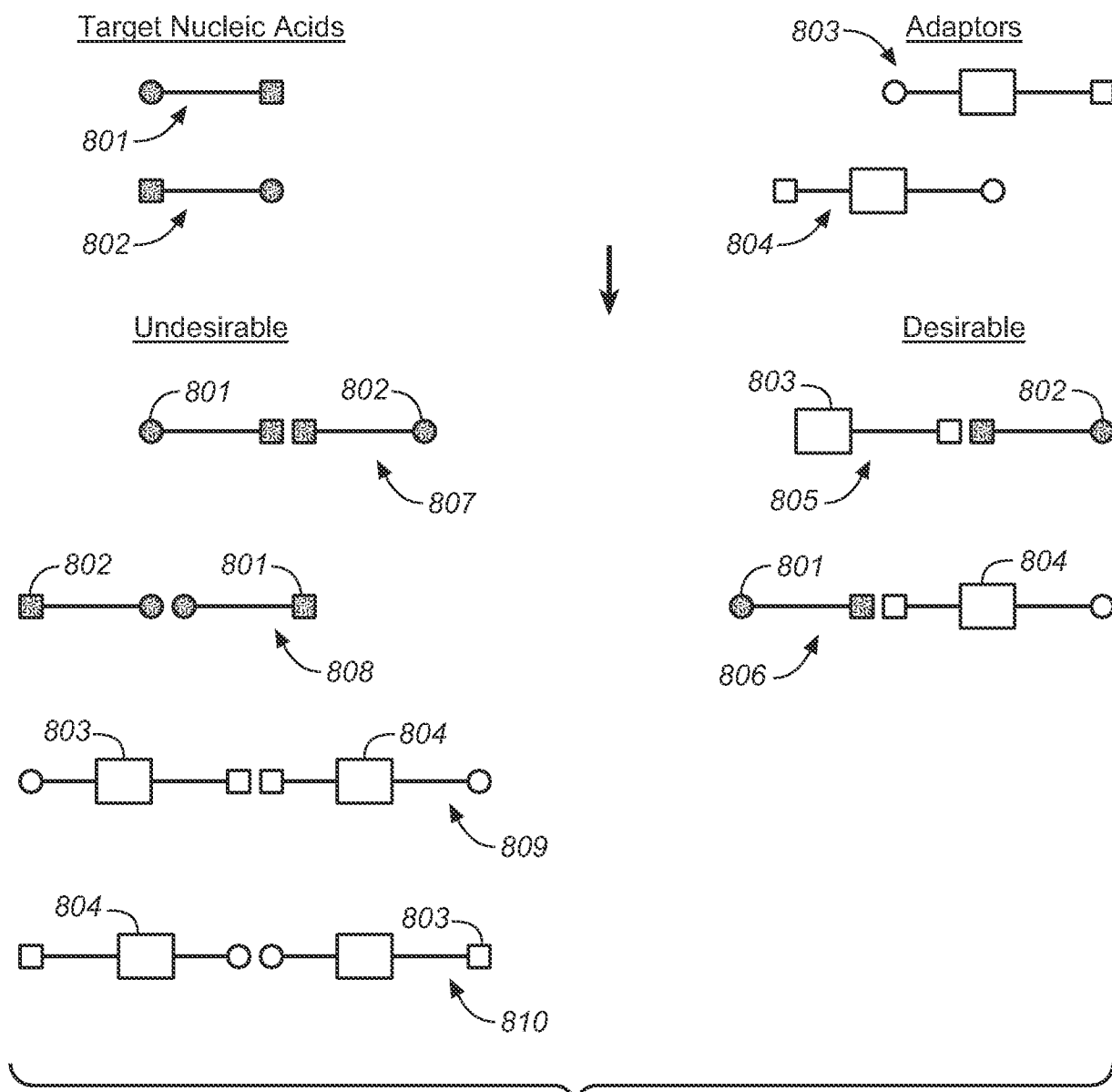


FIG. 6

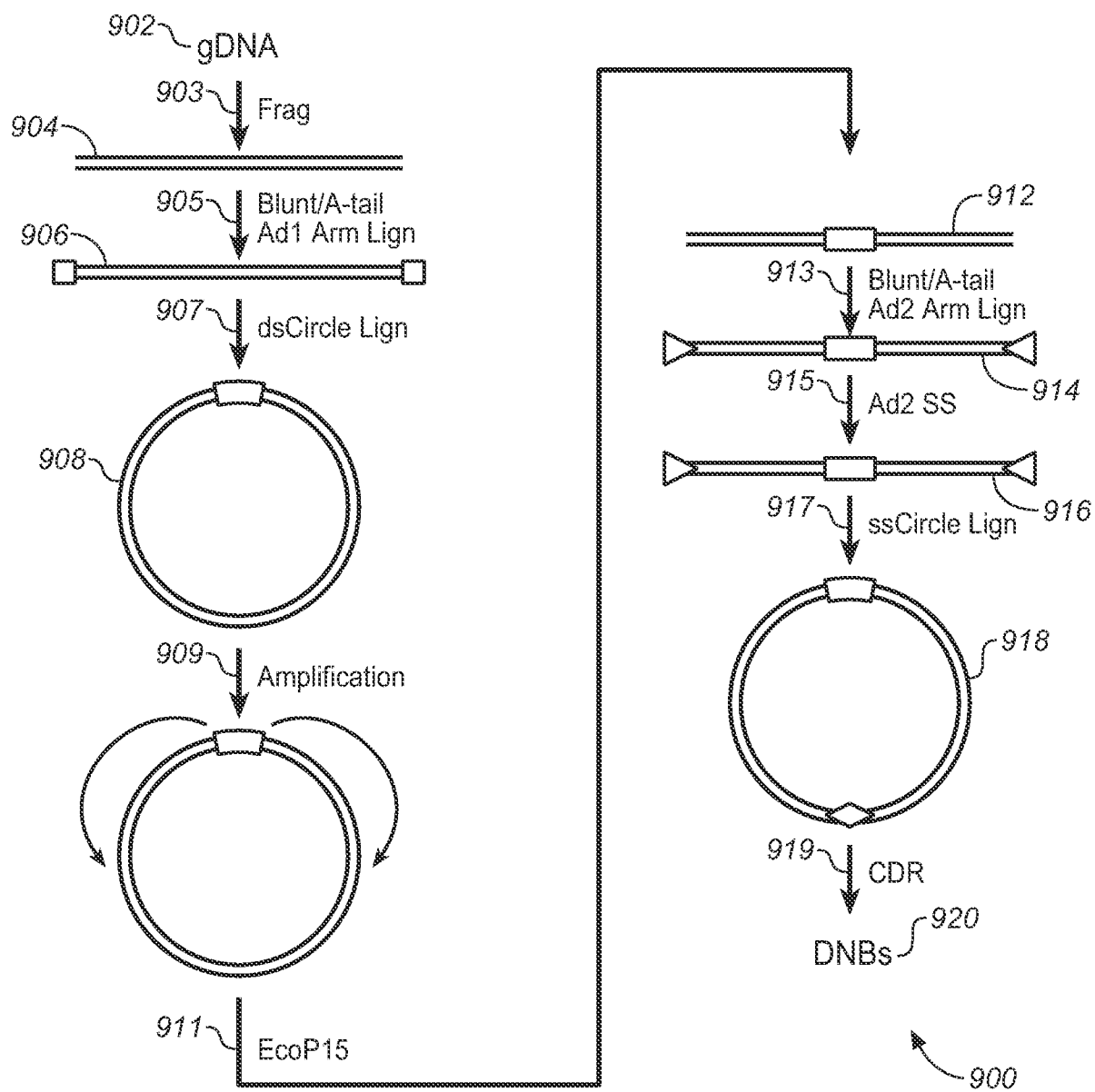
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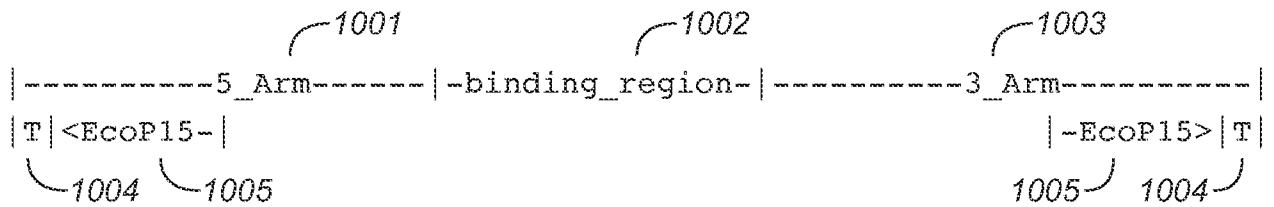
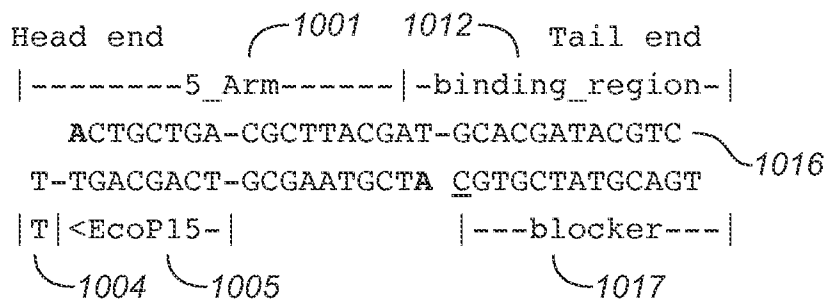
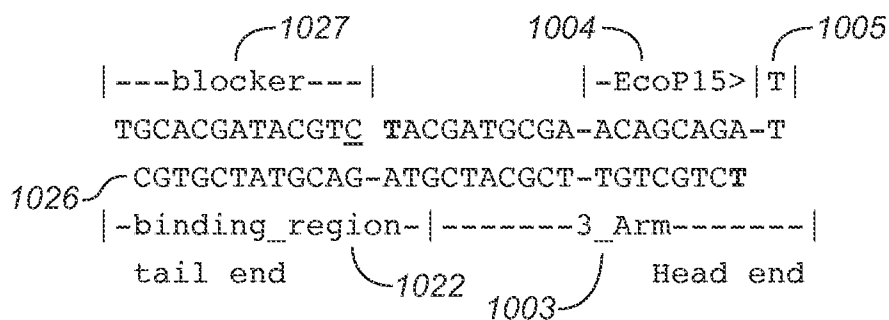
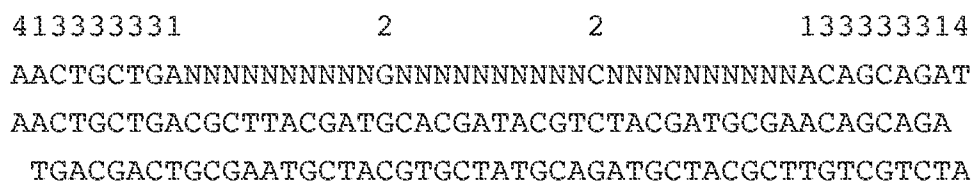
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**FIG. 8**

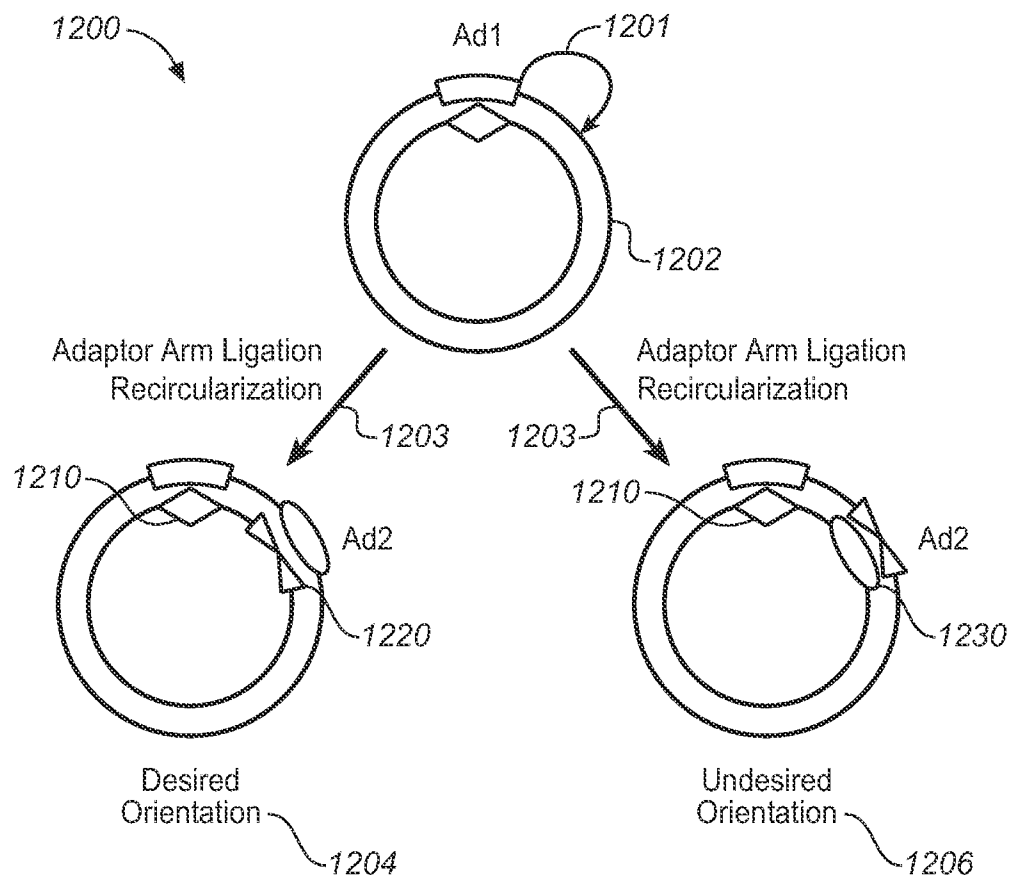
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**FIG. 9**

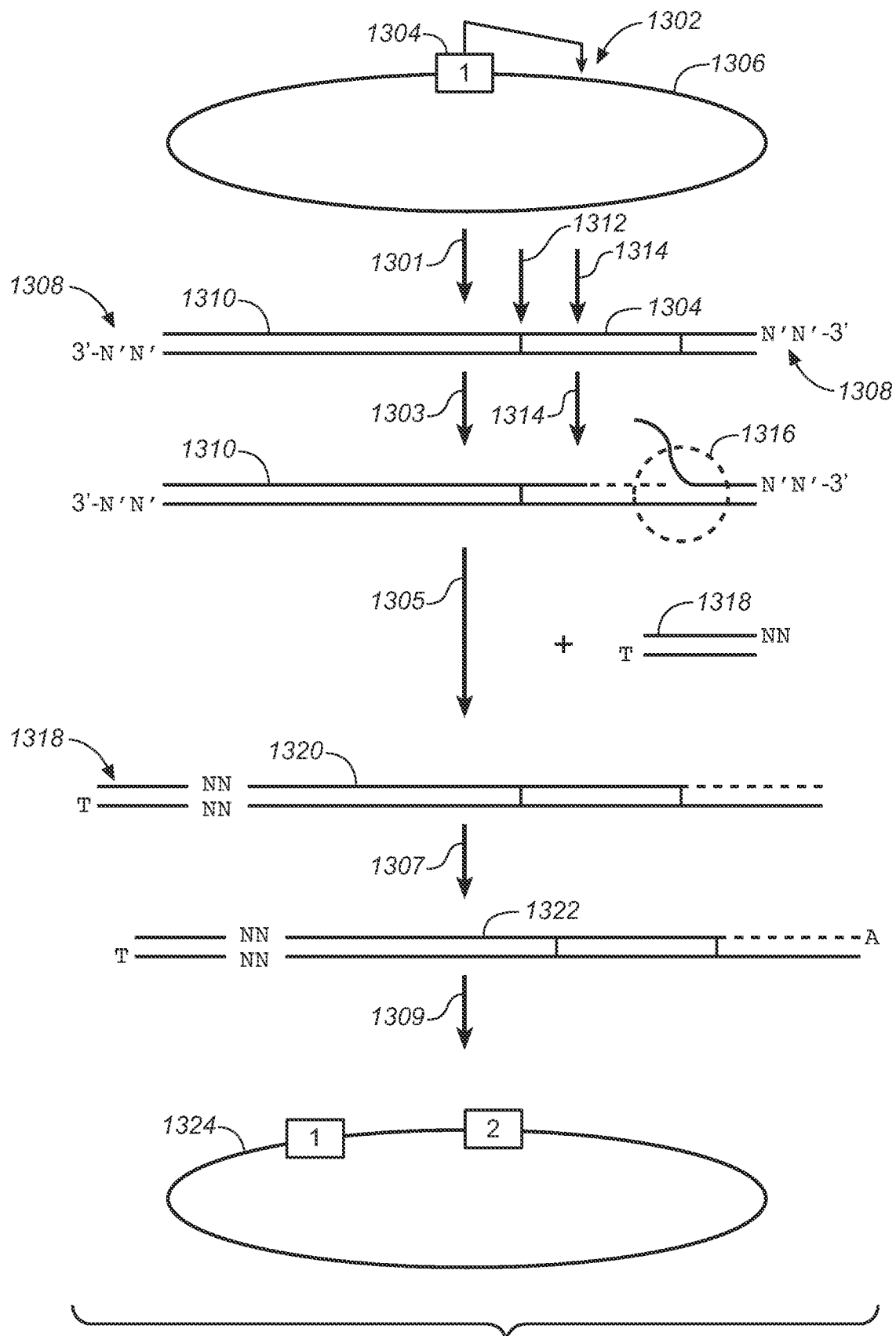
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Schematic of Adaptor ¹⁰⁰⁰Schematic of 5' Adaptor Arm ¹⁰¹⁰Schematic of 3' Adaptor Arm ¹⁰²⁰Schematic of Final Adaptor ¹⁰³⁰**FIG. 10**

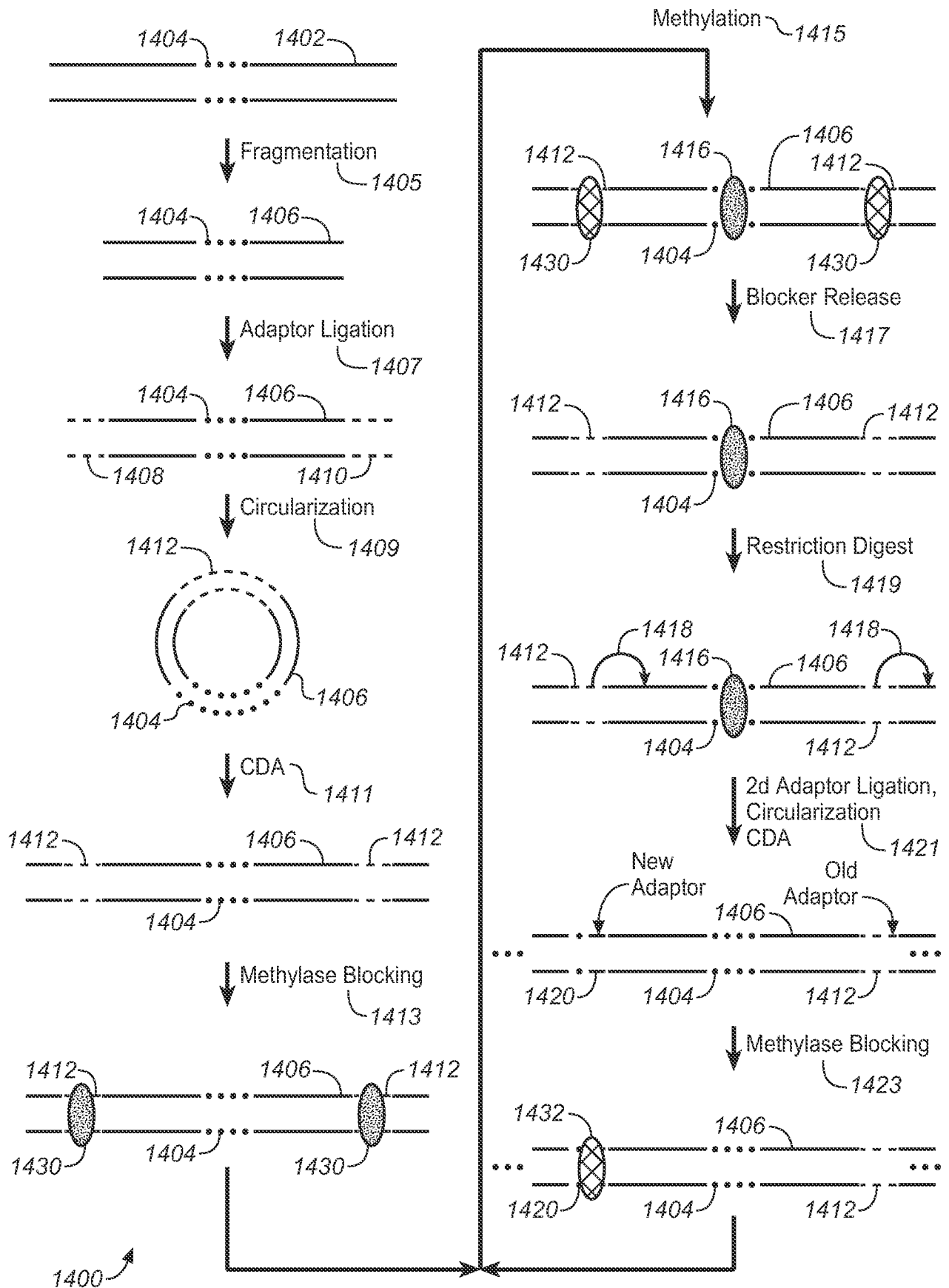
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**FIG. 12**

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**FIG. 13**

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**FIG. 14**

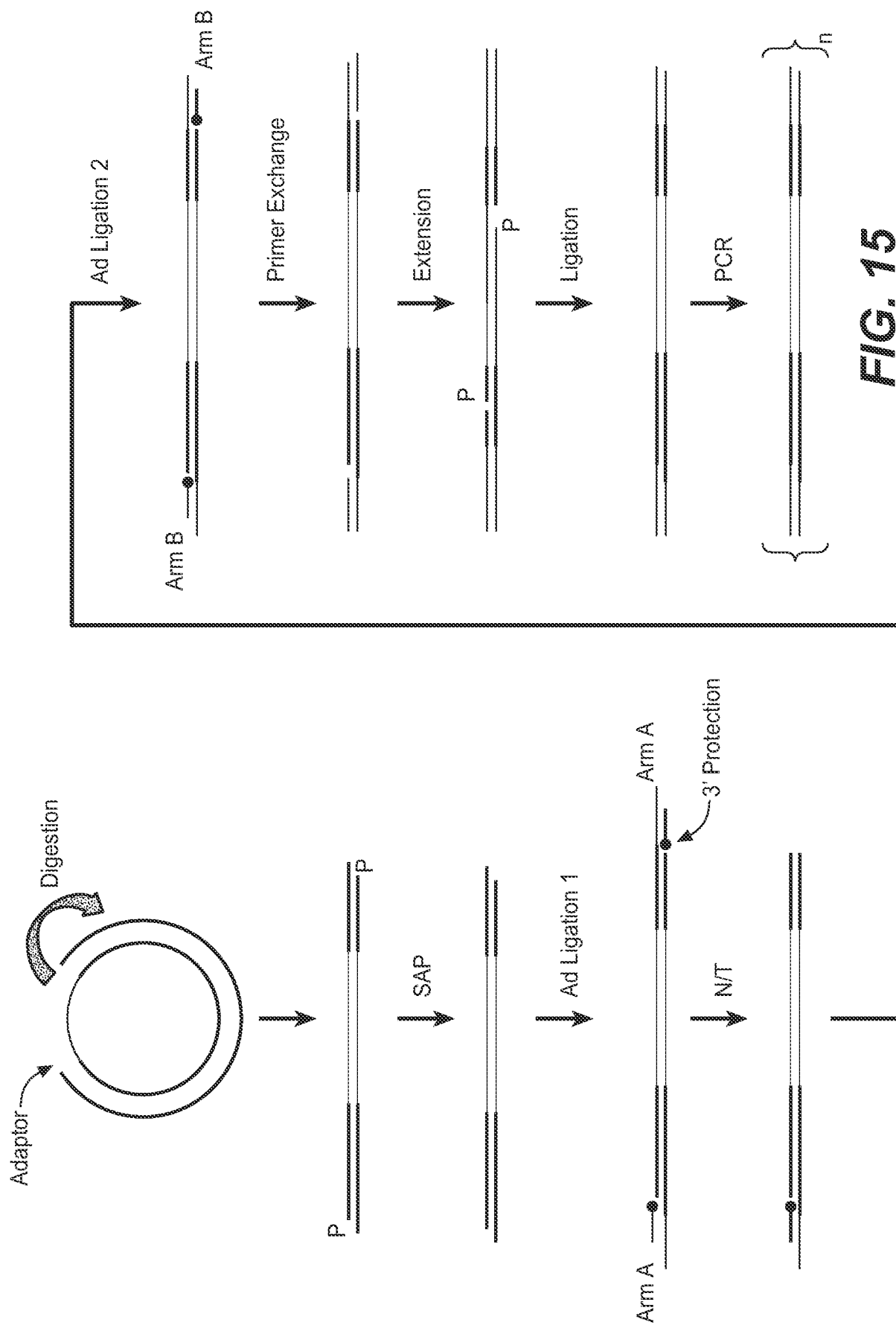
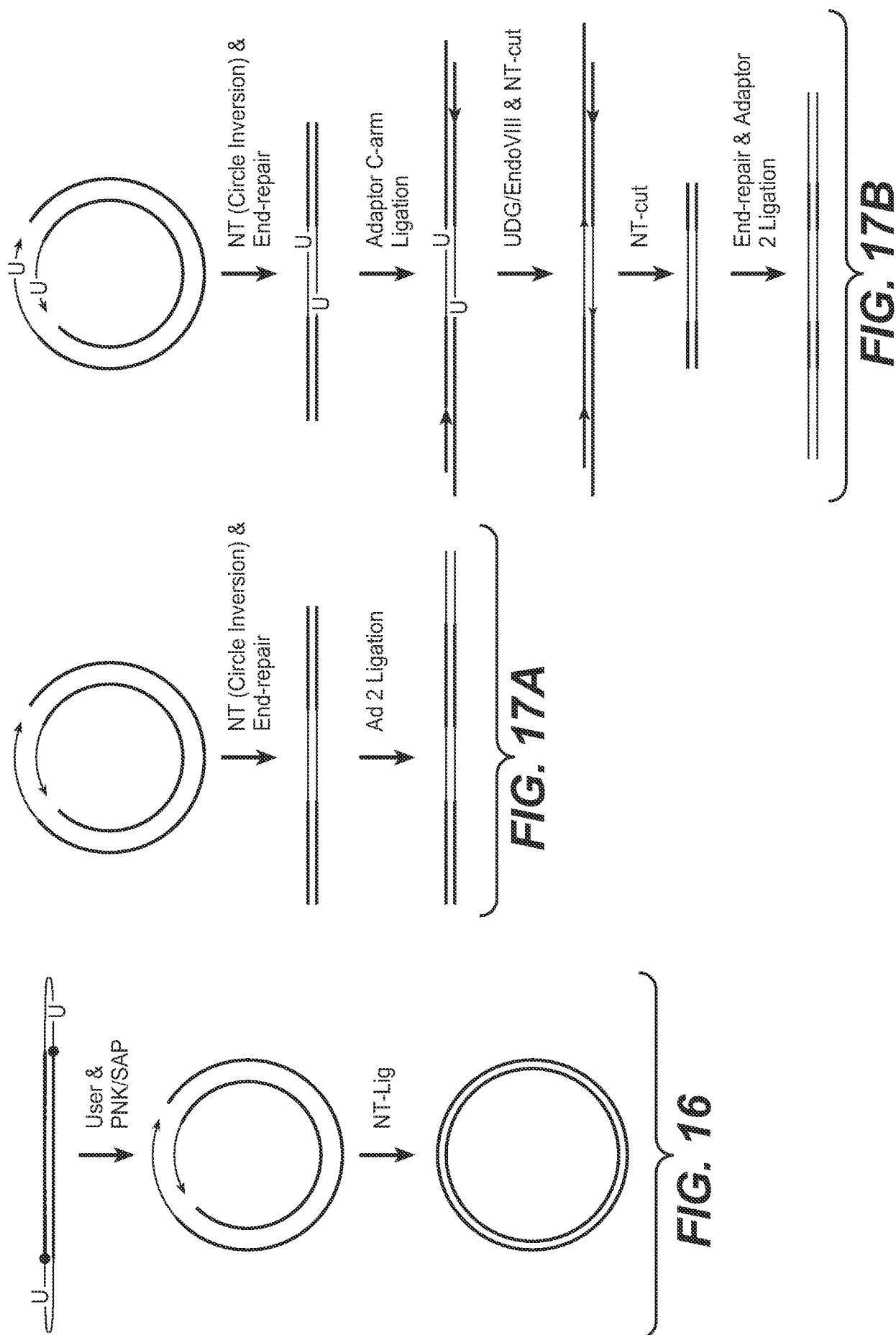
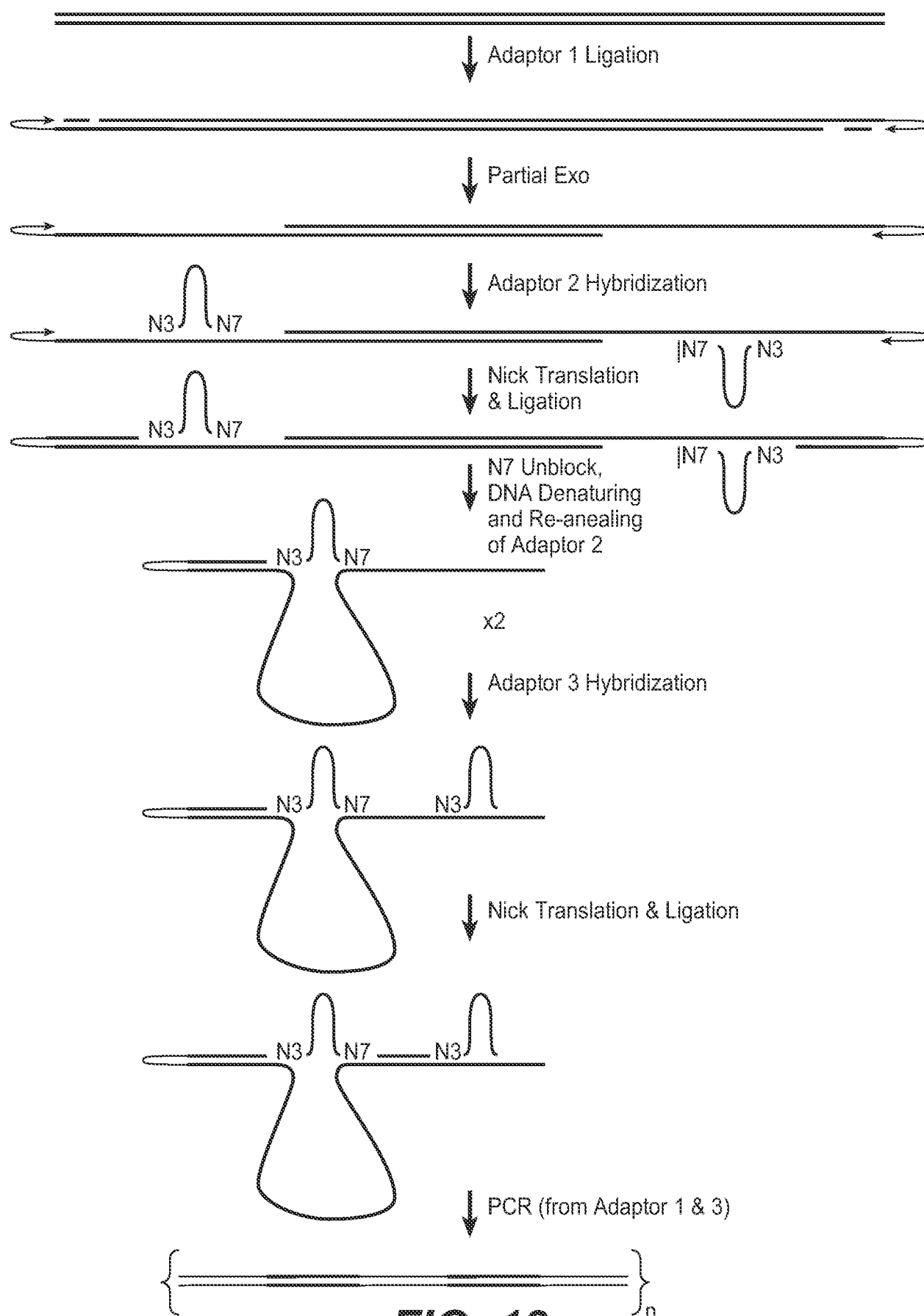


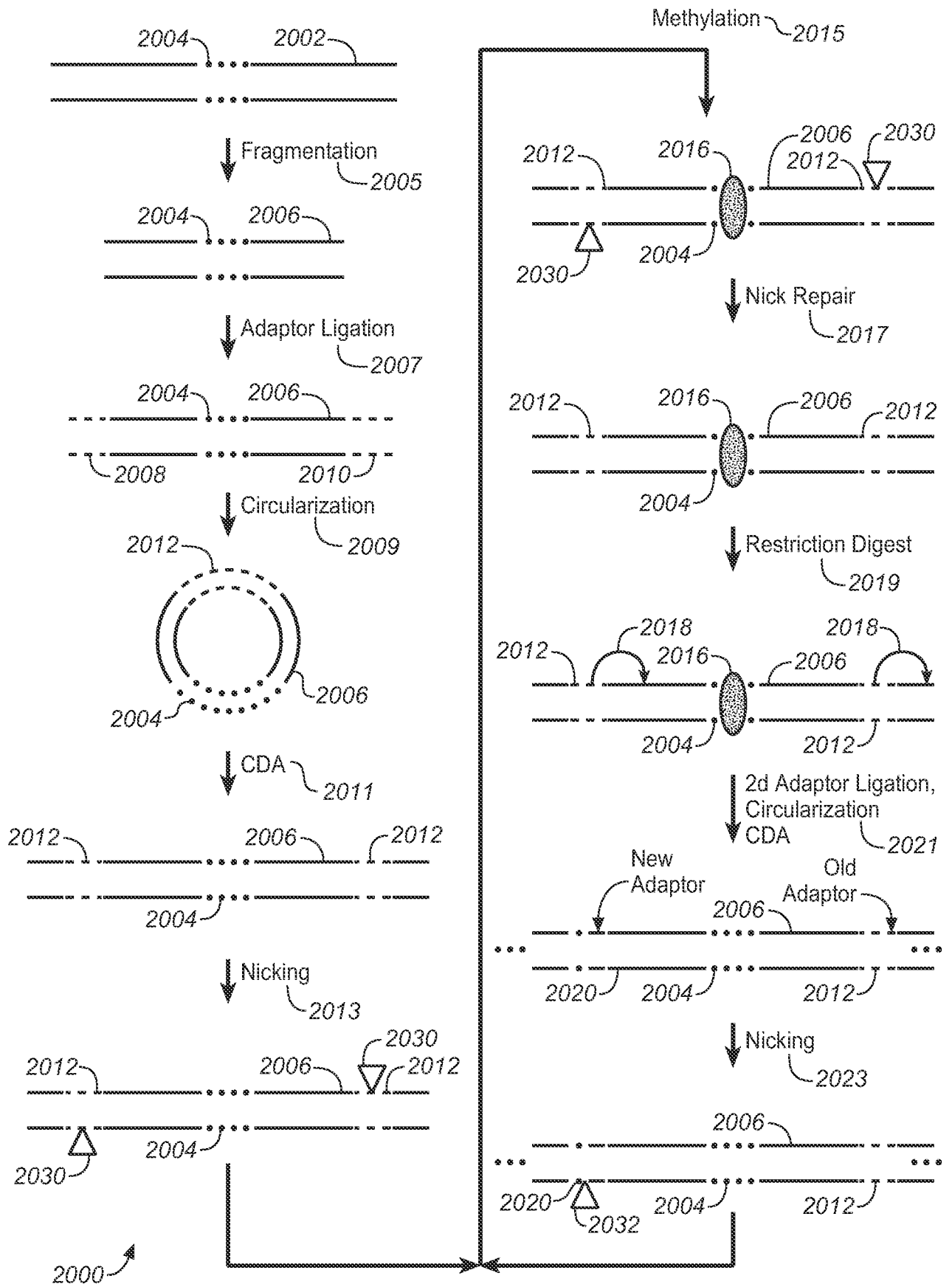
FIG. 15



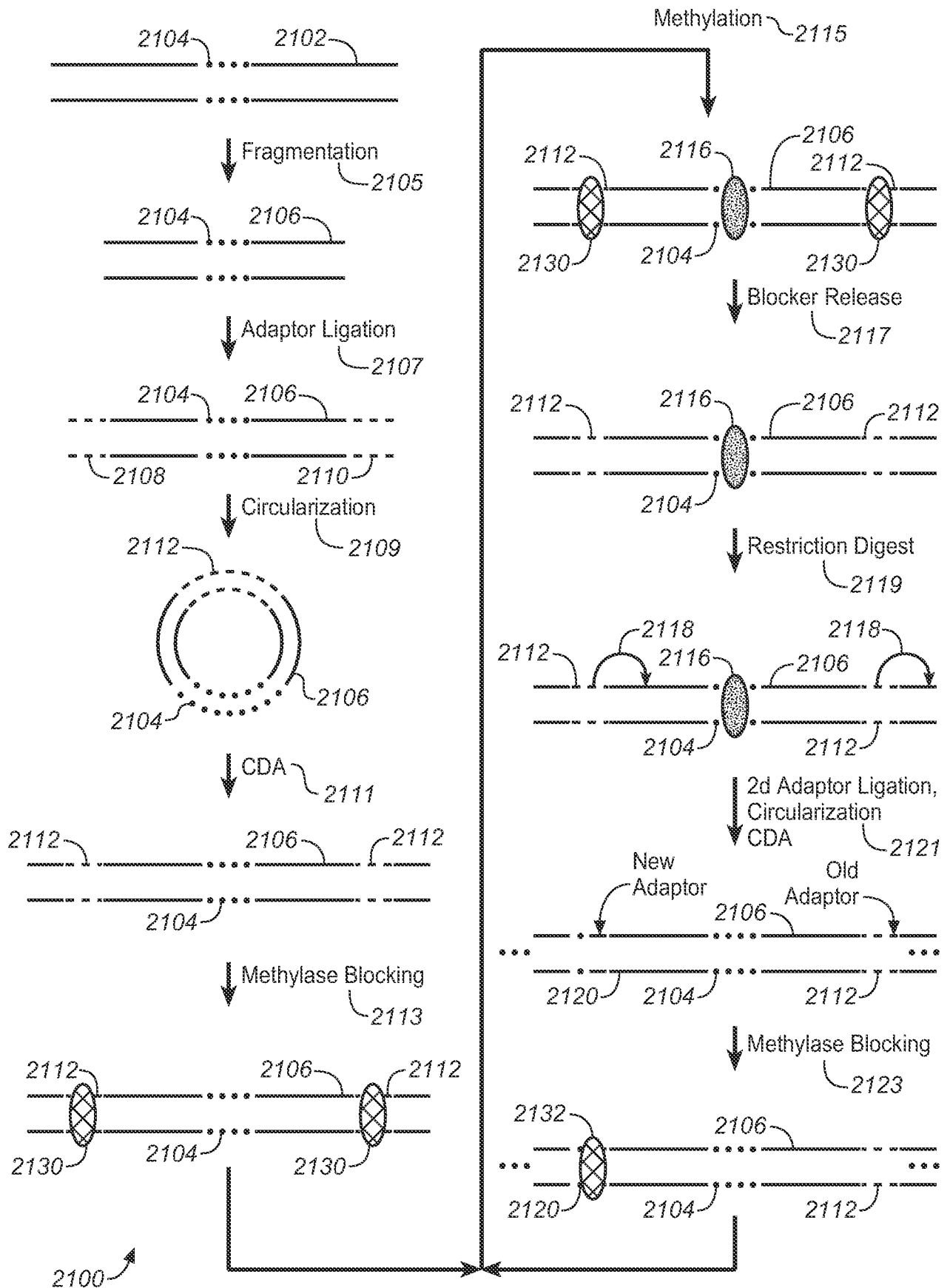
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**FIG. 18**

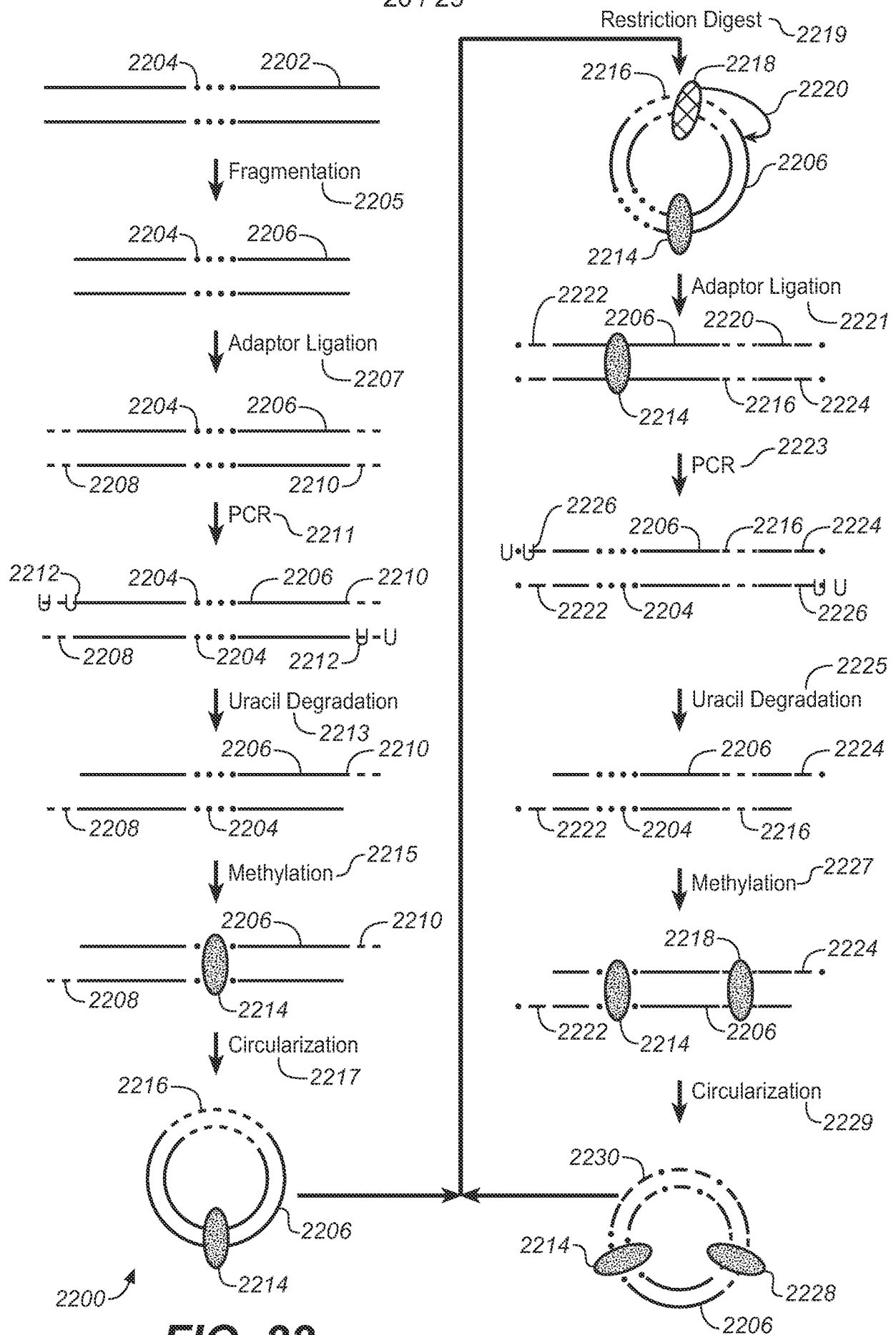
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**FIG. 20**

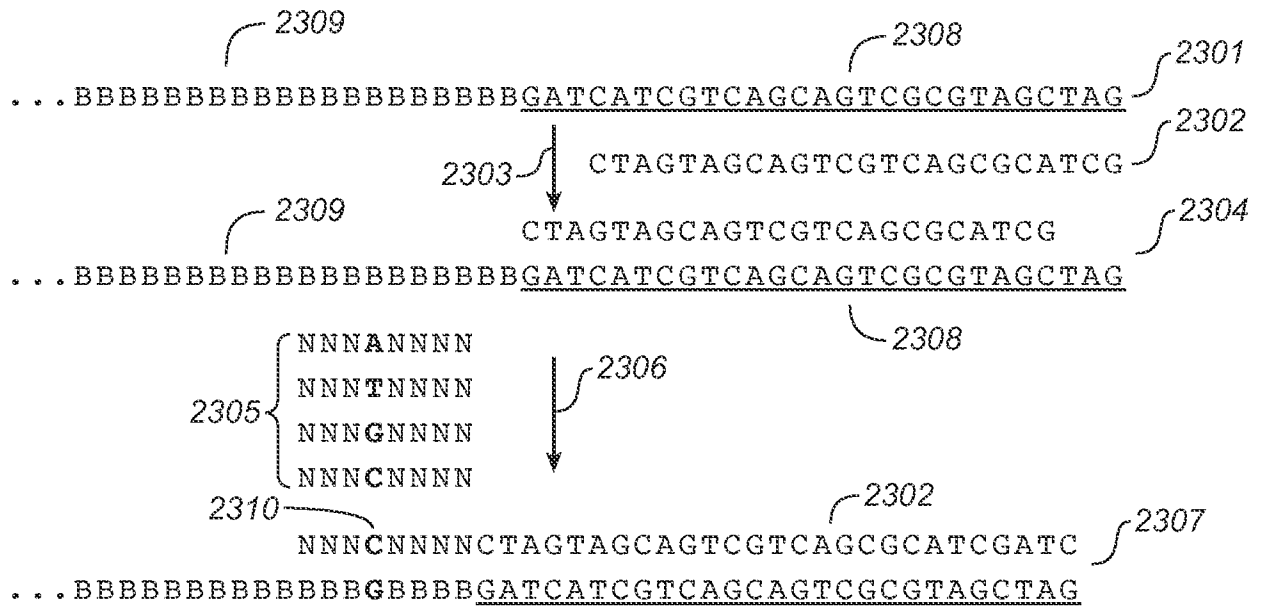
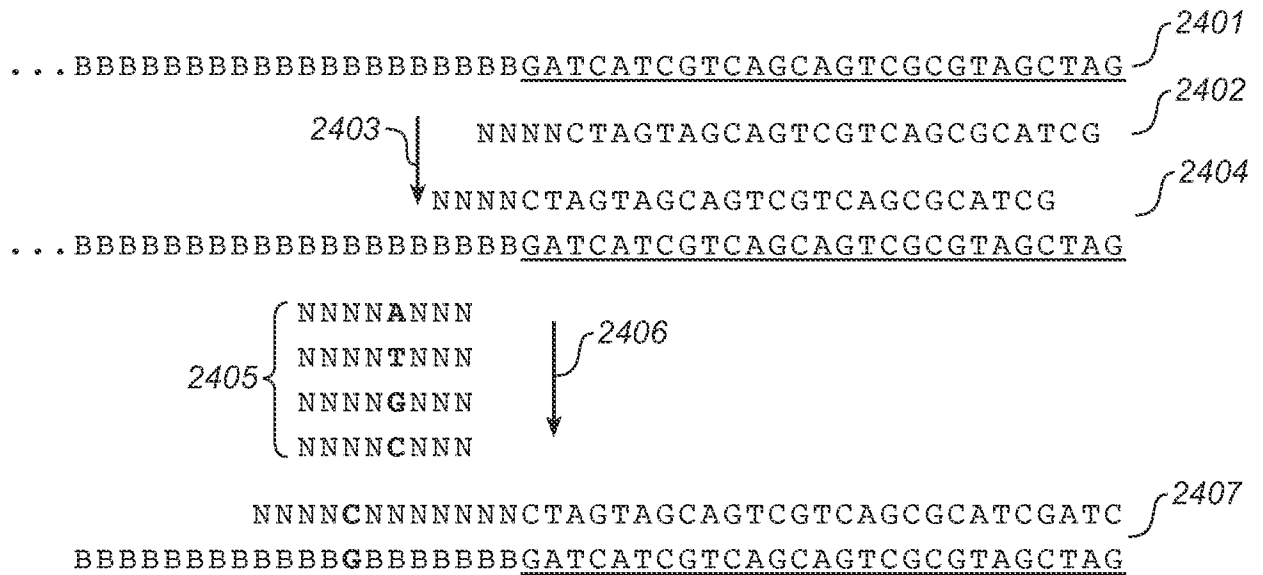
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**FIG. 21**

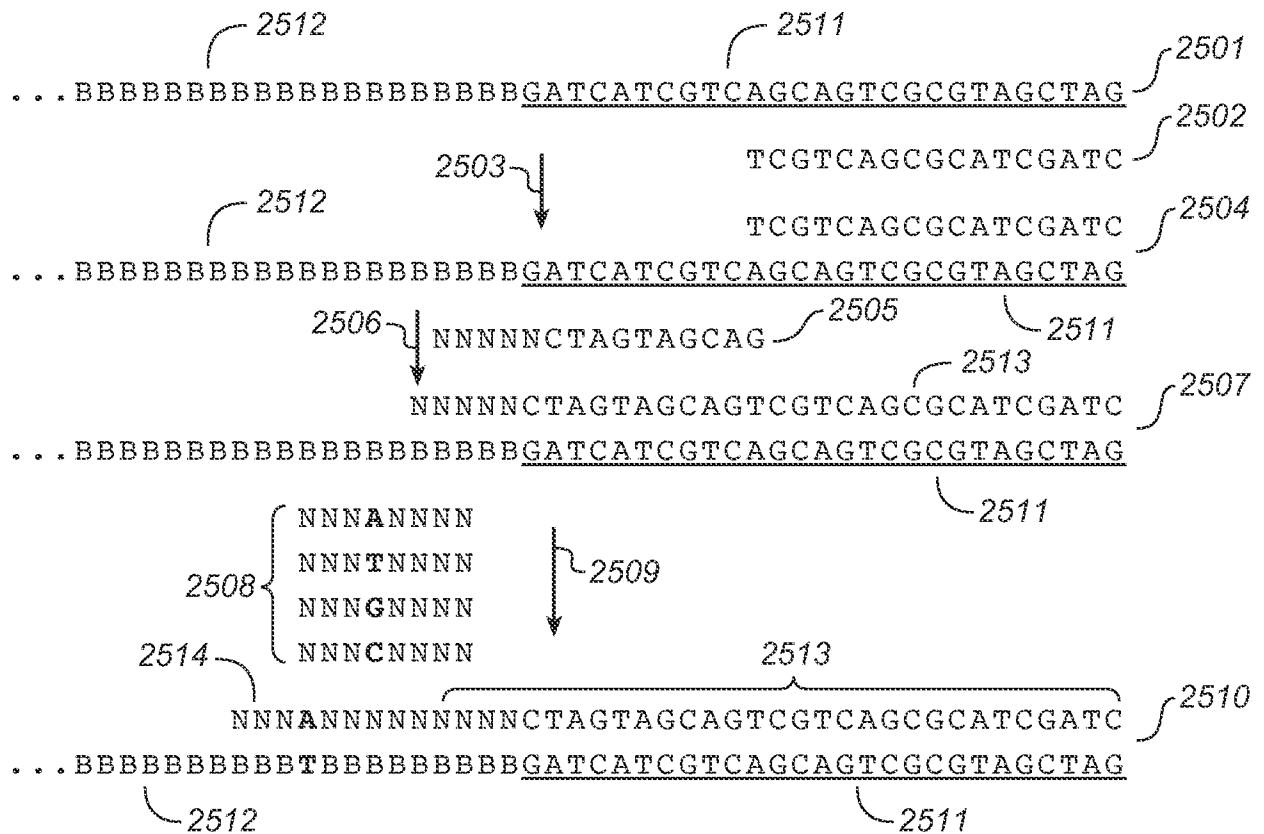
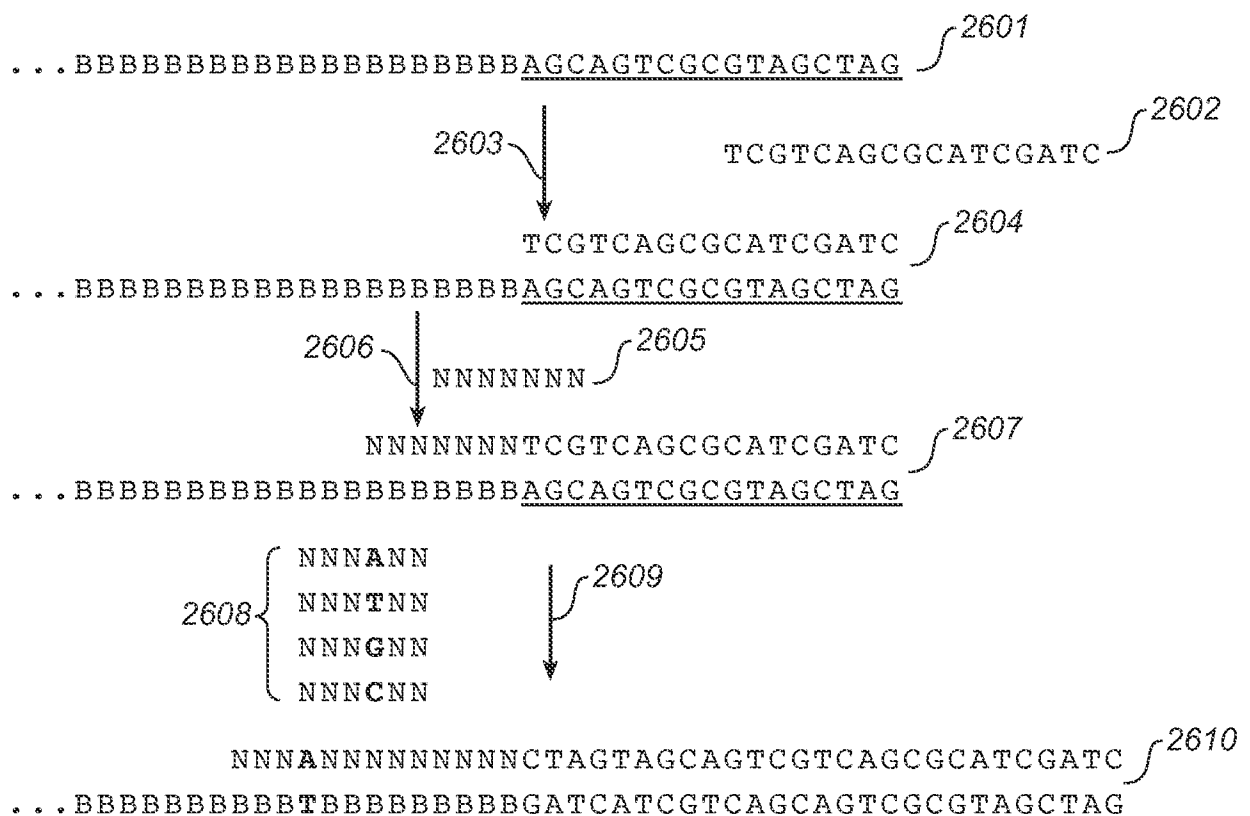
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**FIG. 22**

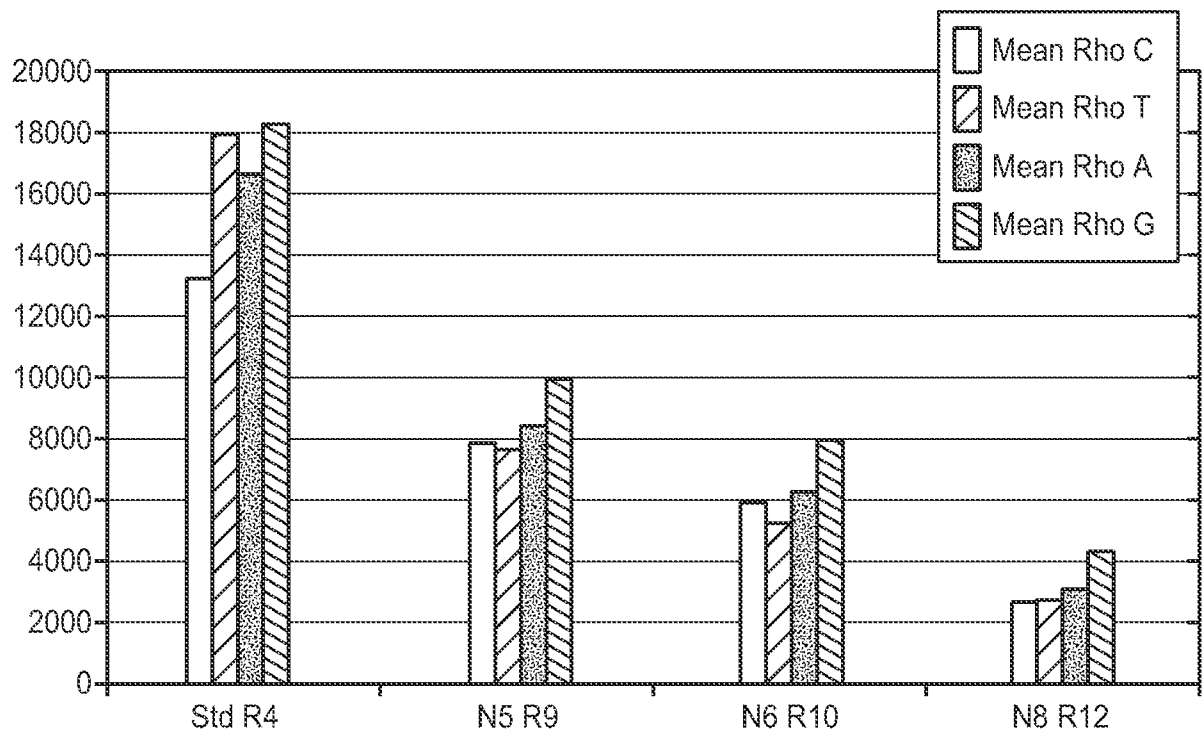
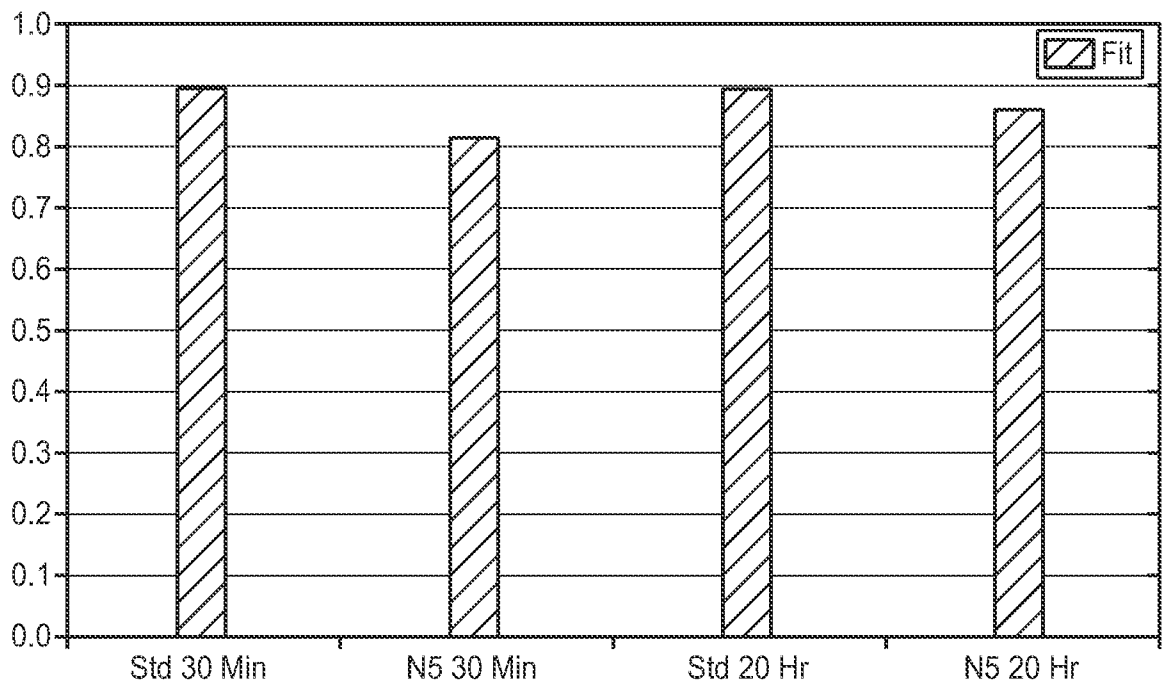
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**FIG. 23****FIG. 24**

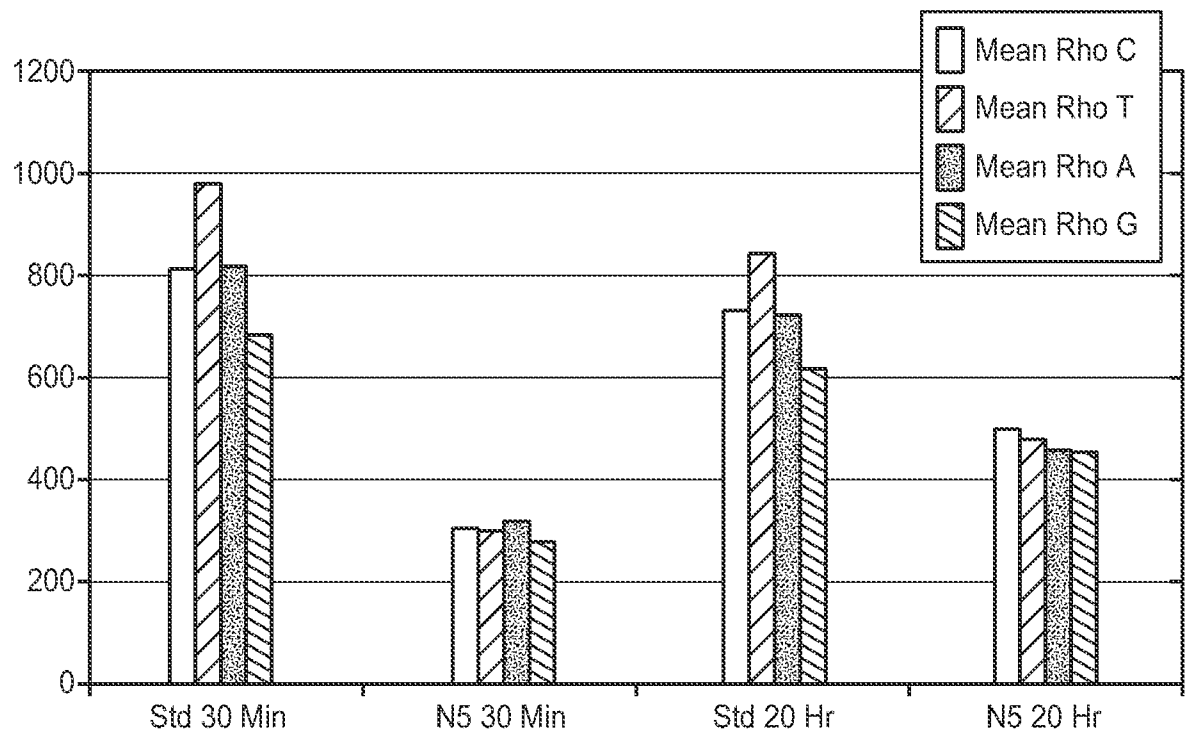
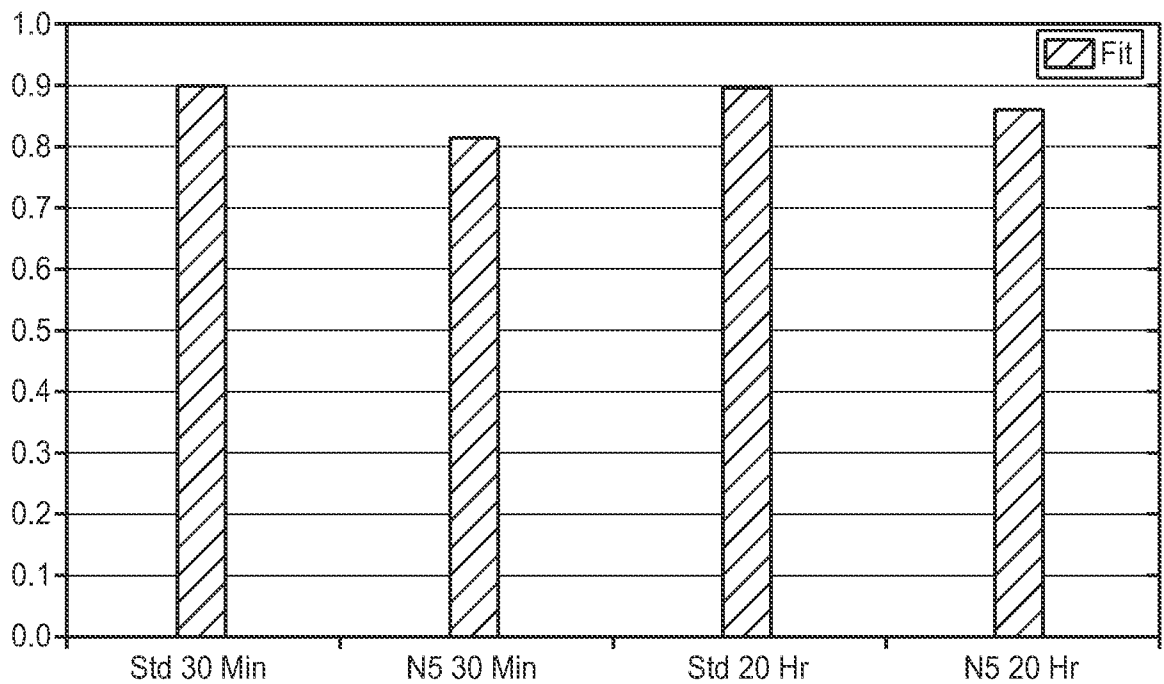
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**FIG. 25****FIG. 26**

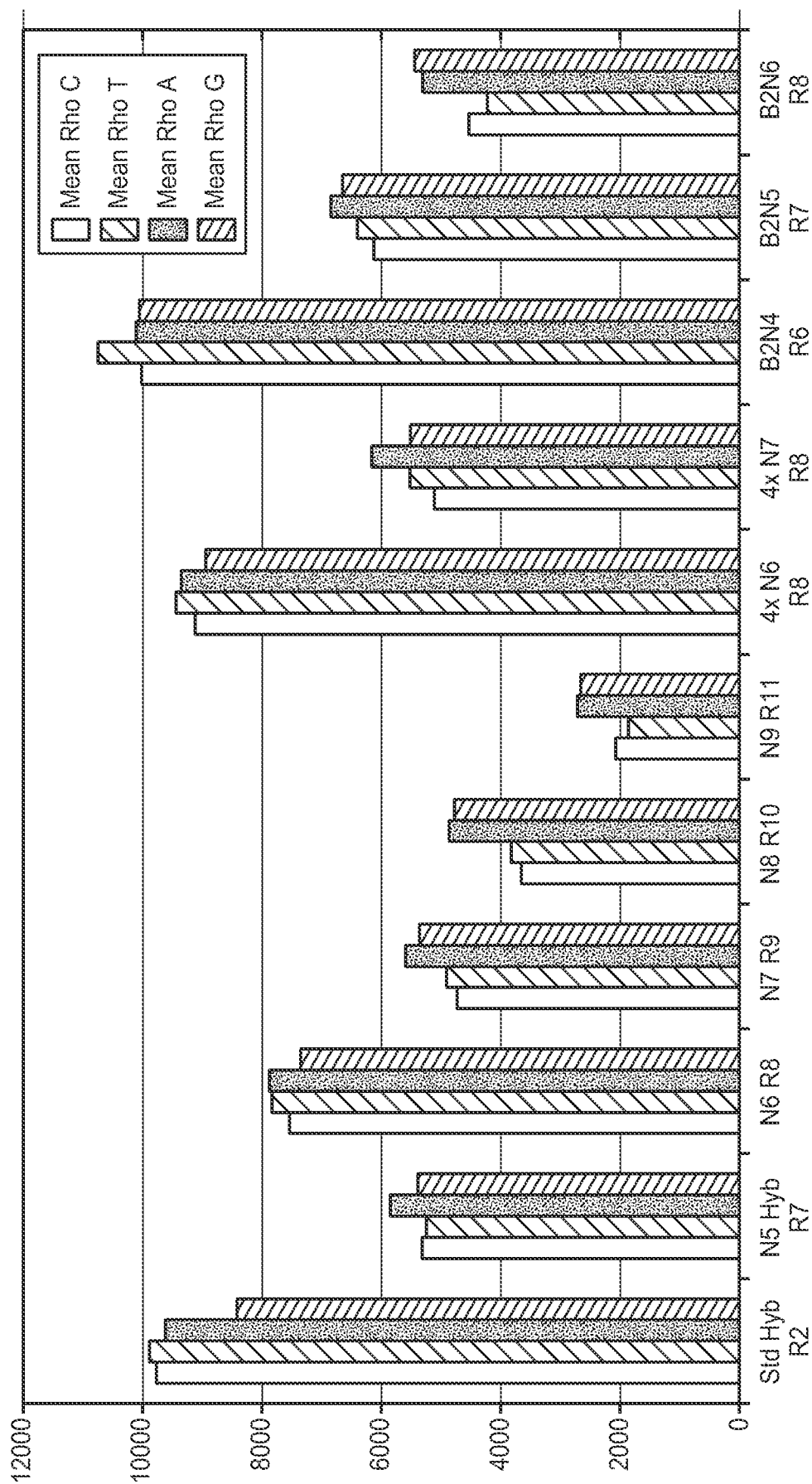
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**FIG. 27****FIG. 28**

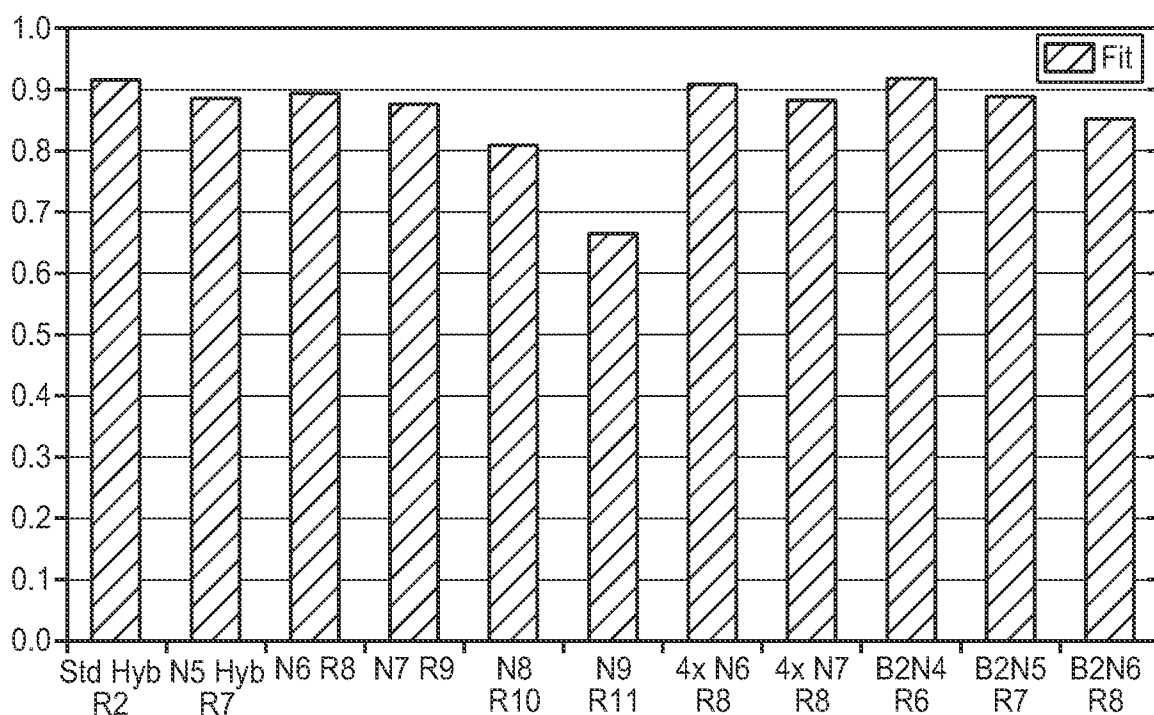
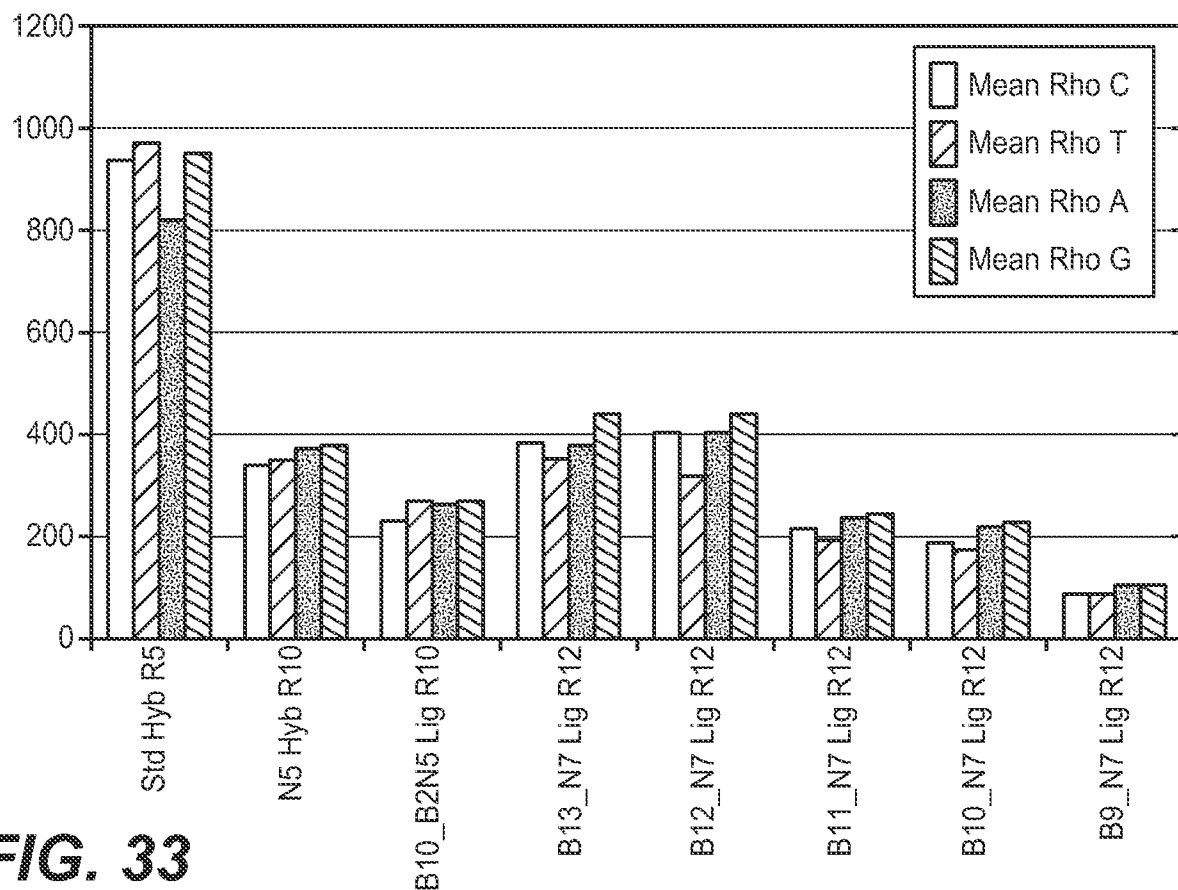
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**FIG. 29****FIG. 30**

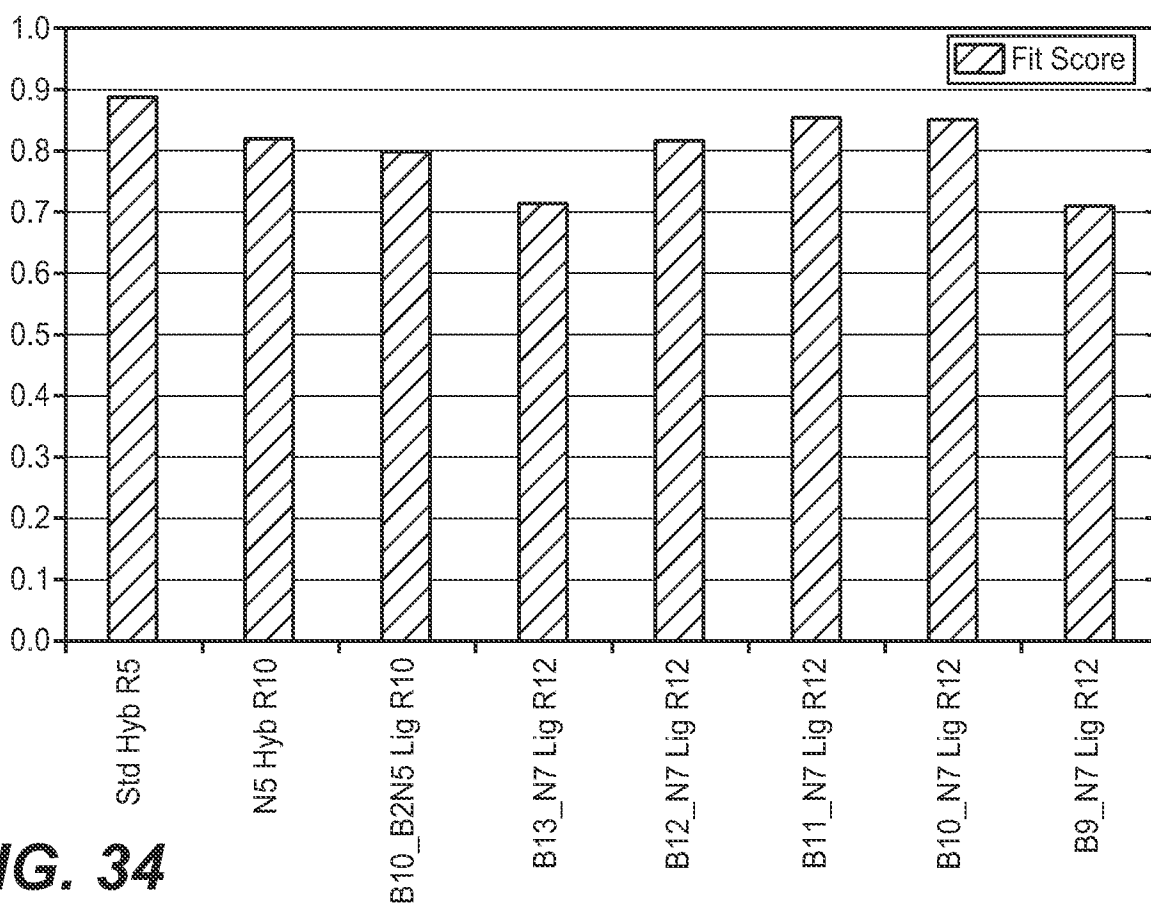
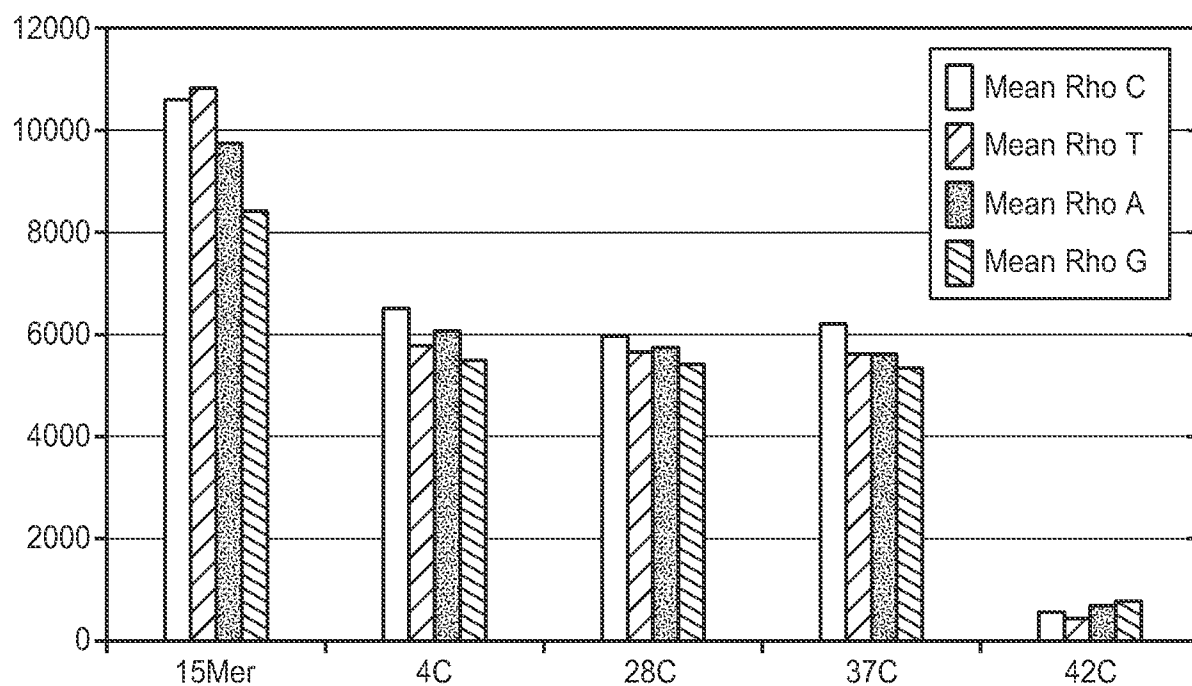
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**FIG. 31**

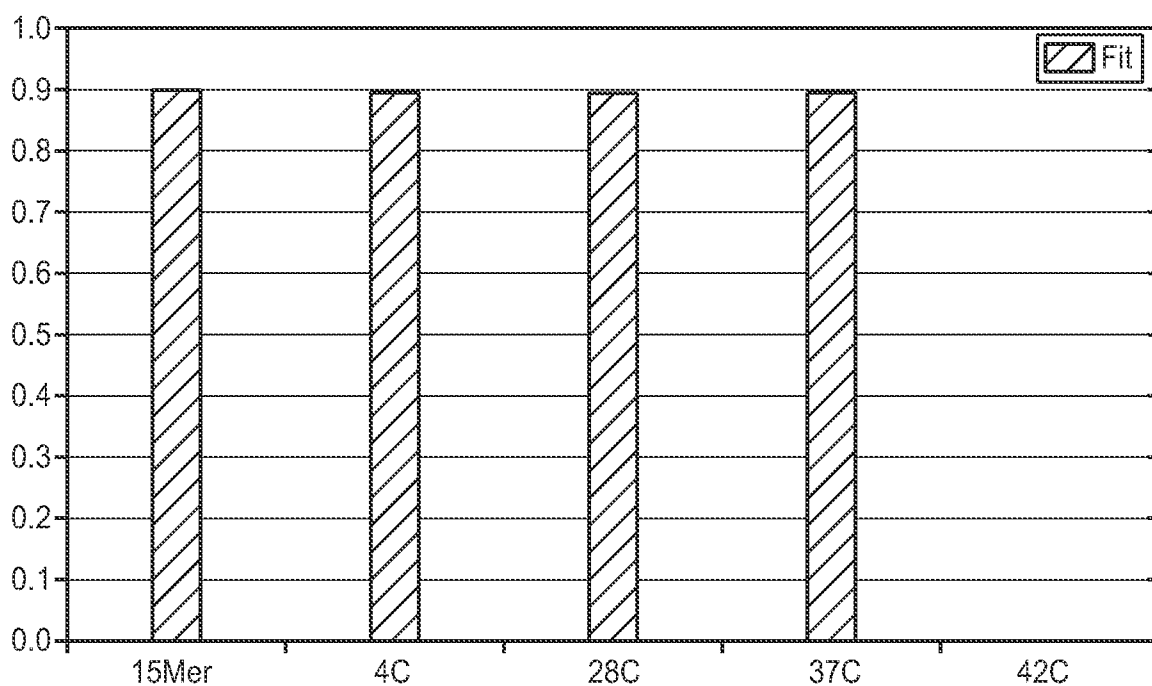
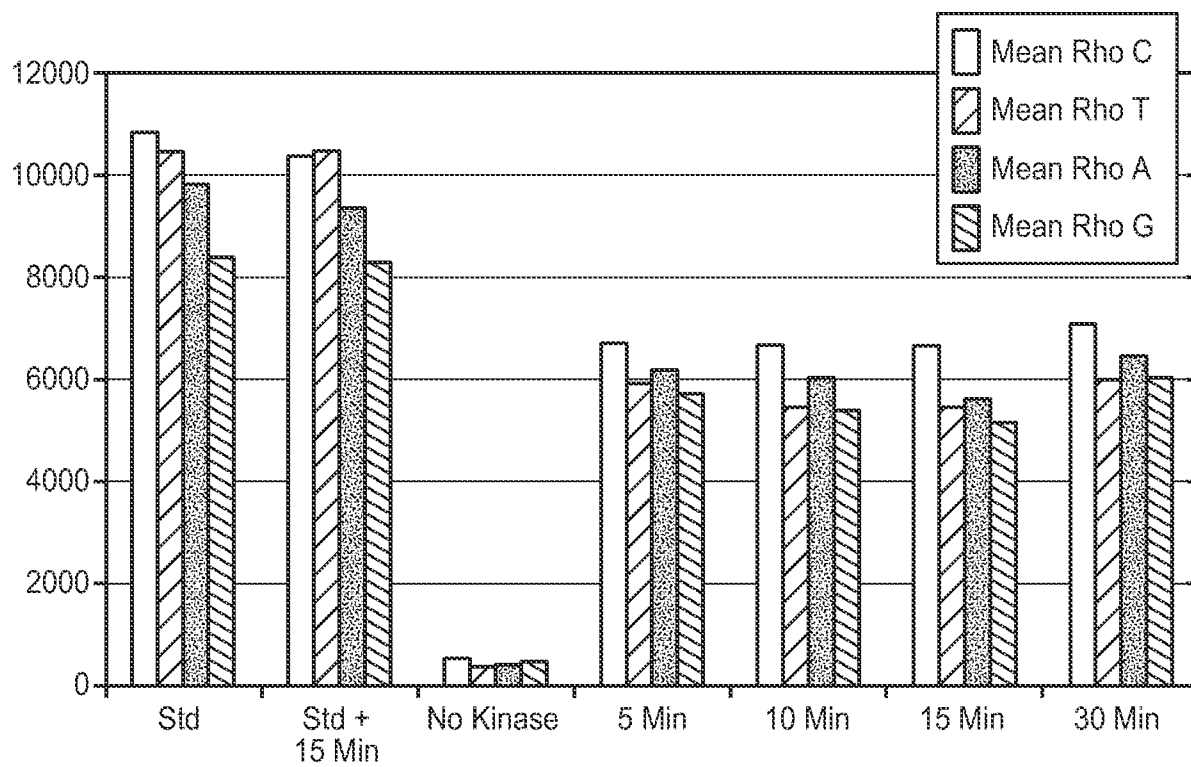
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**FIG. 32****FIG. 33**

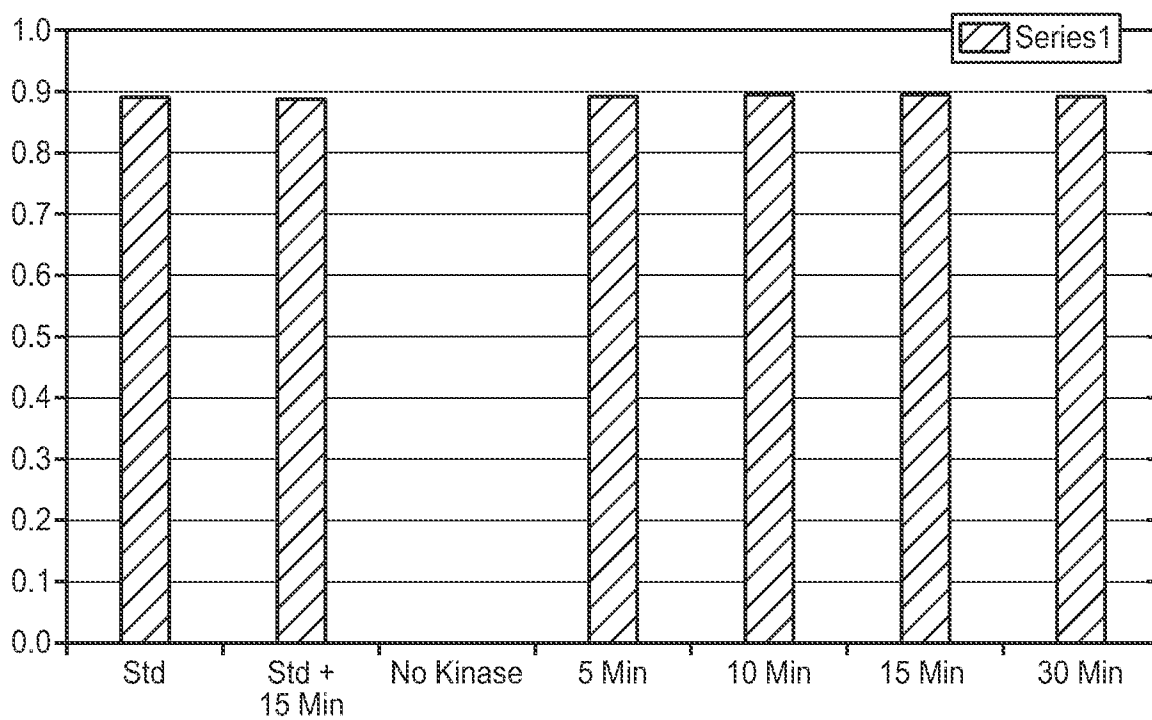
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**FIG. 34****FIG. 35**

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

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**FIG. 38**