

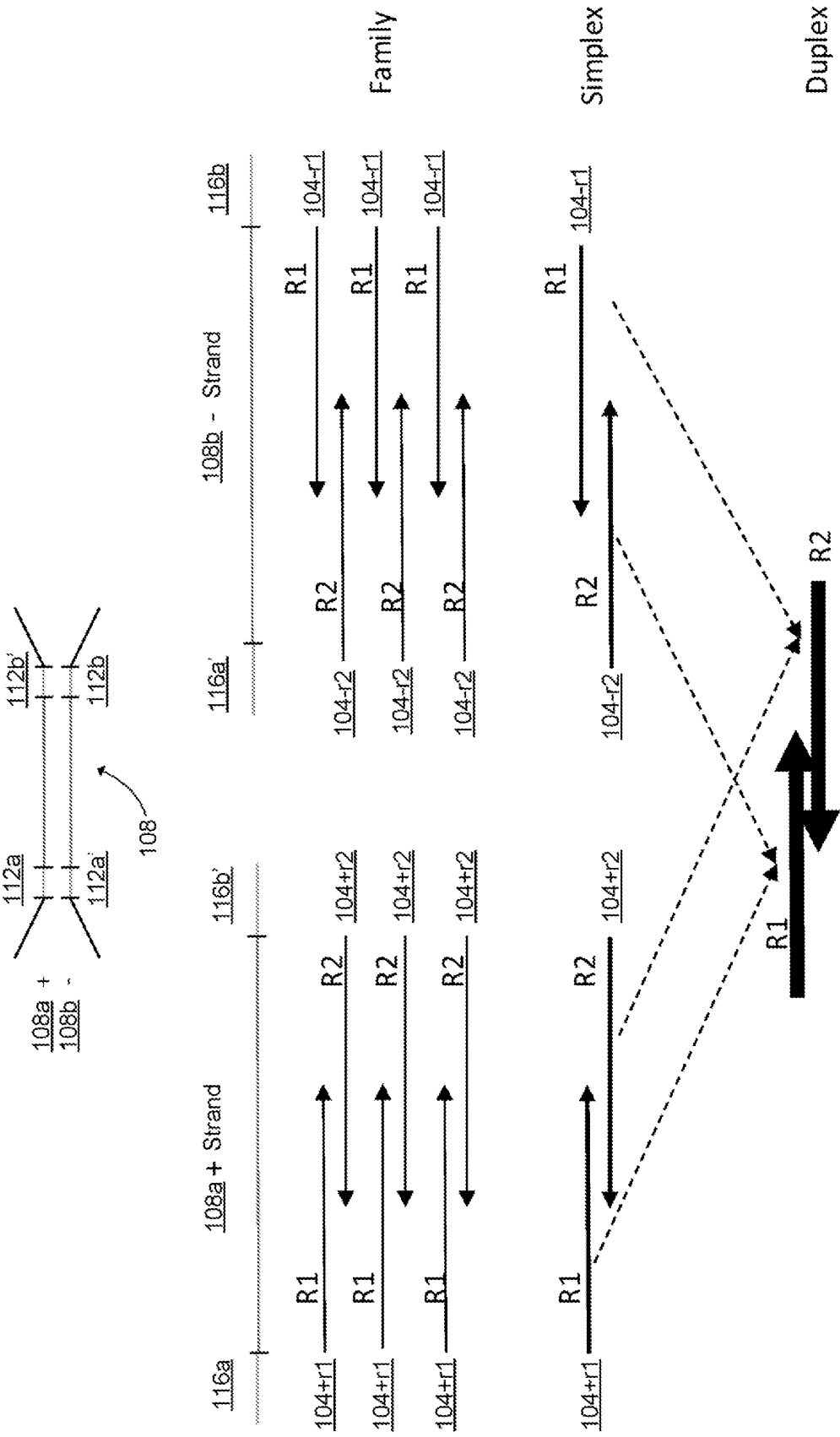
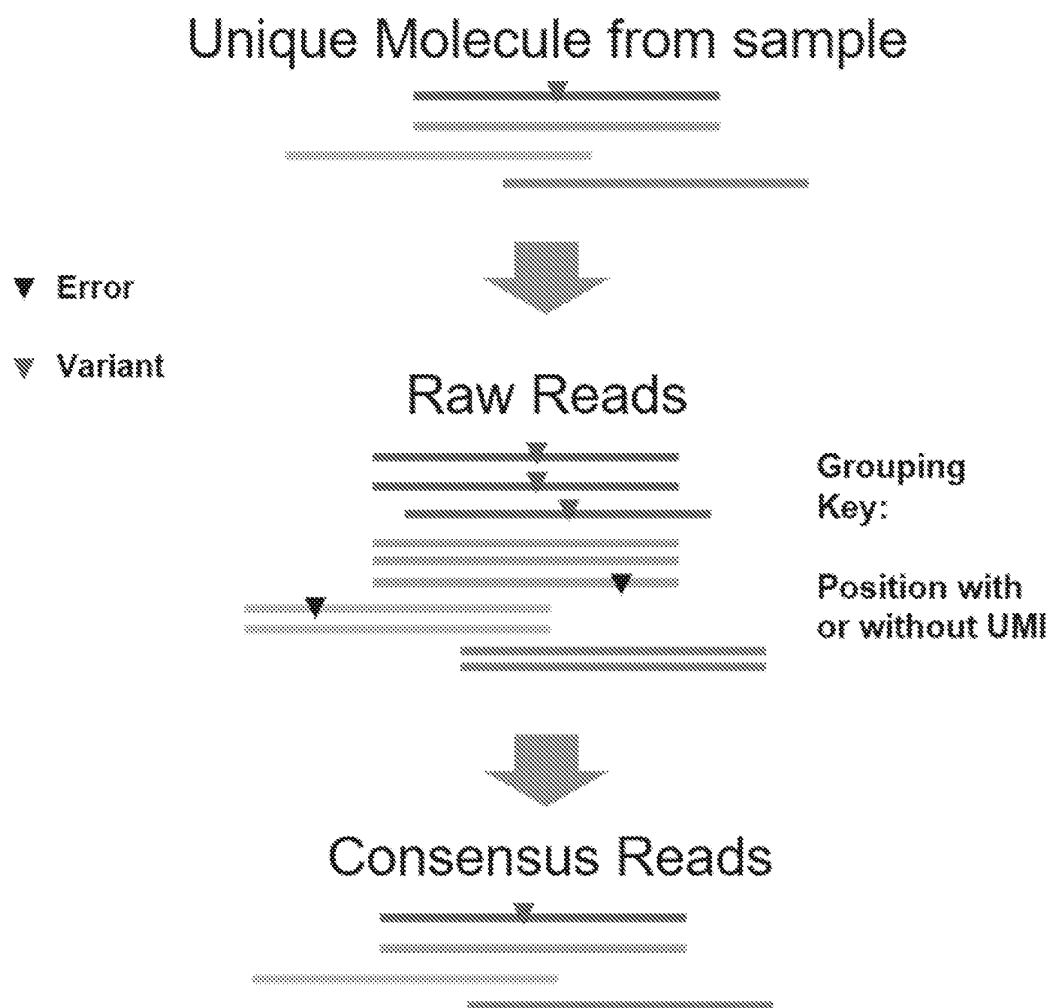


FIG. 1A

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**FIG. 1B**

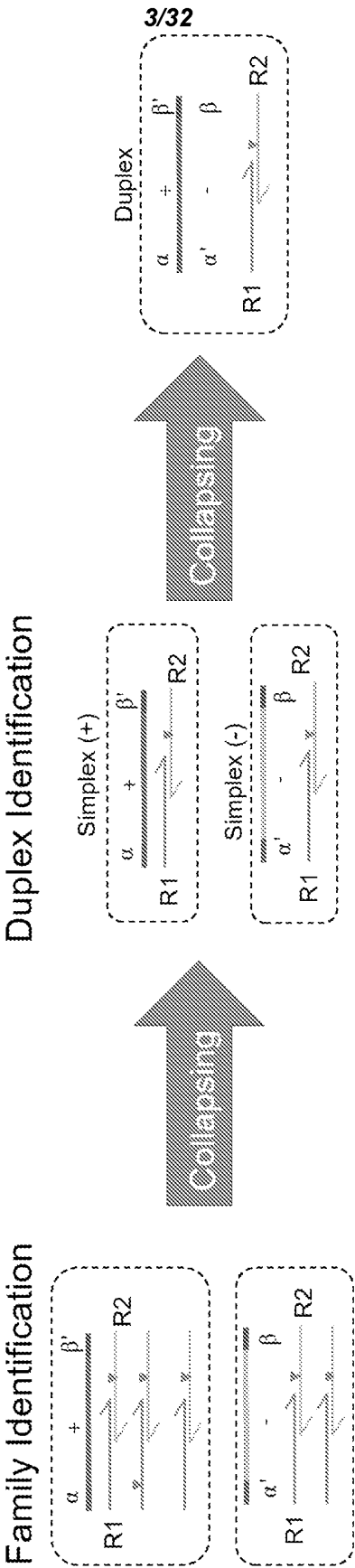


FIG. 2

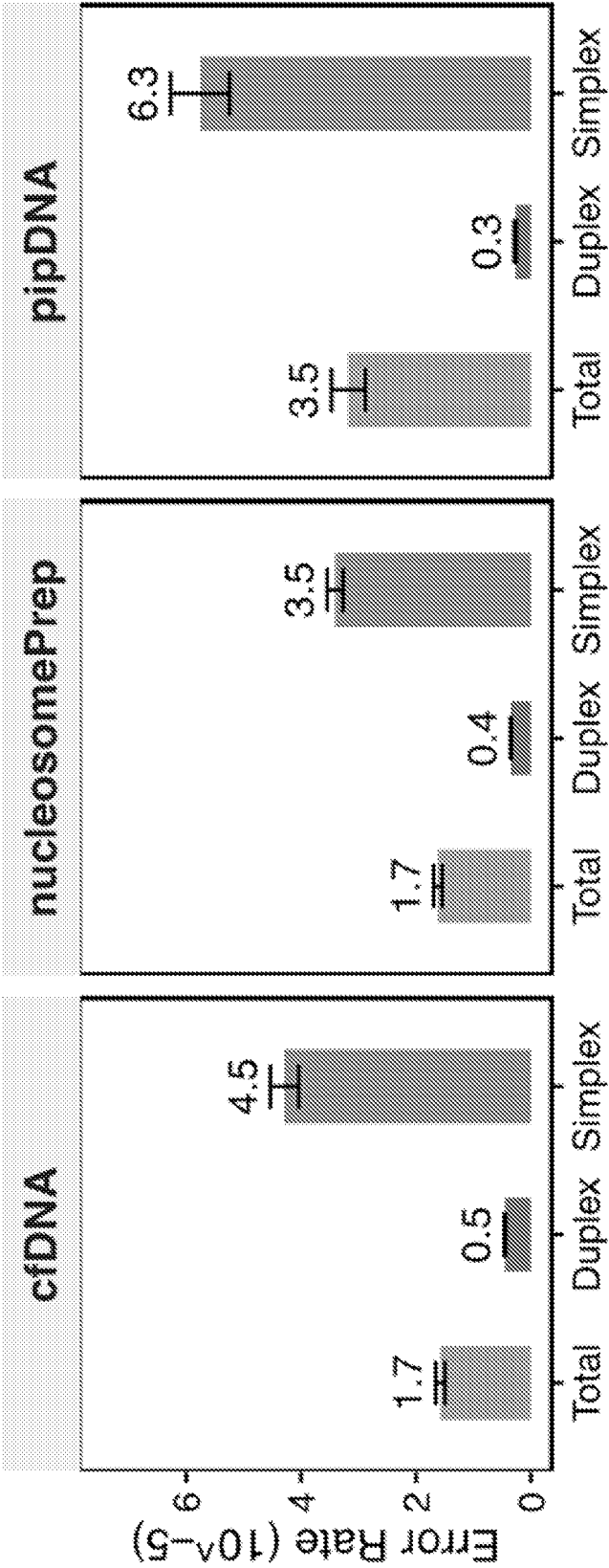


FIG. 3

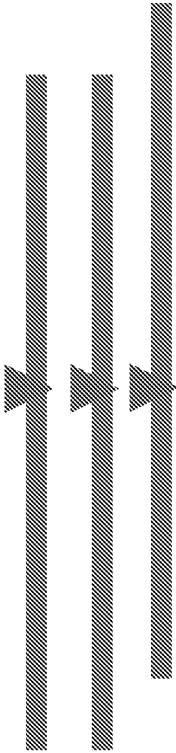
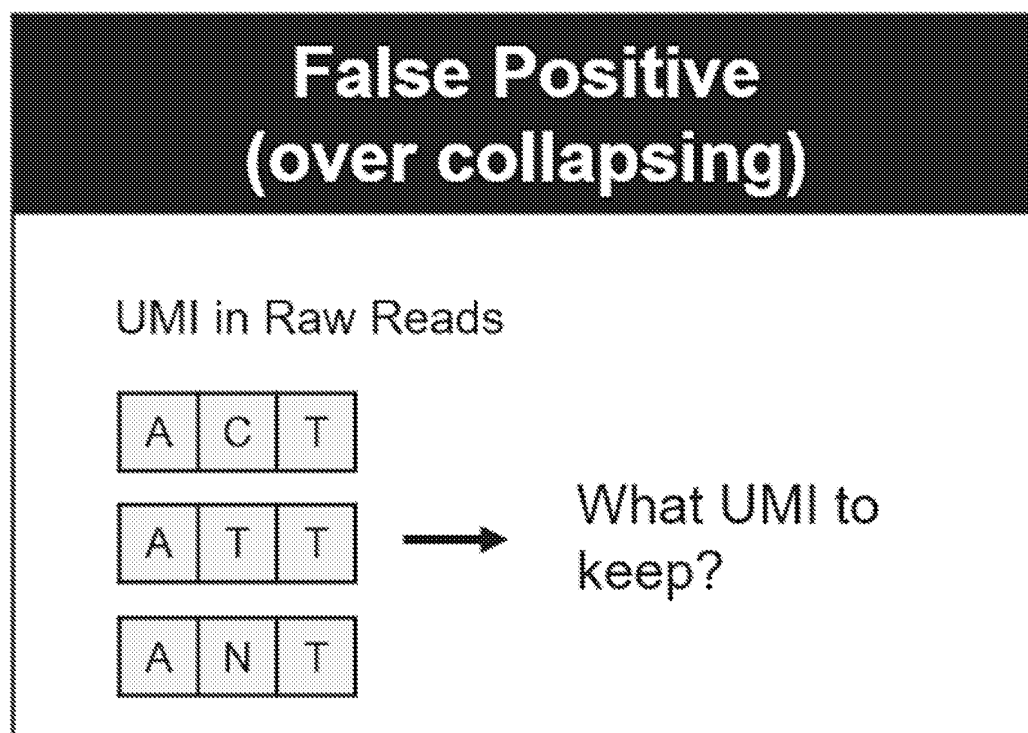
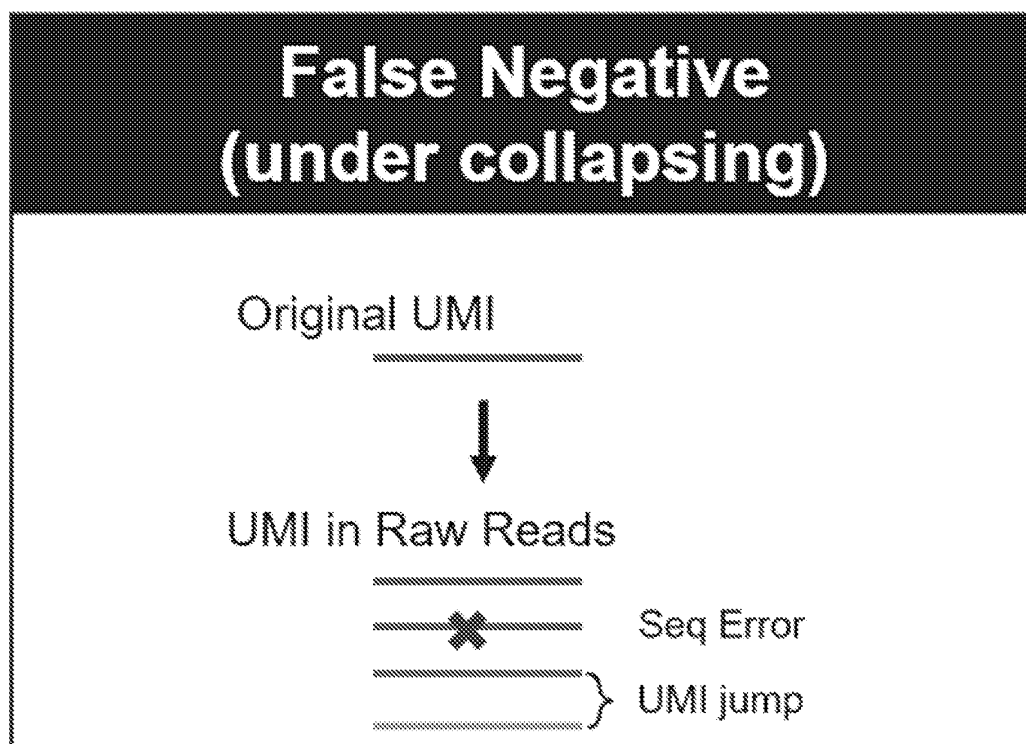
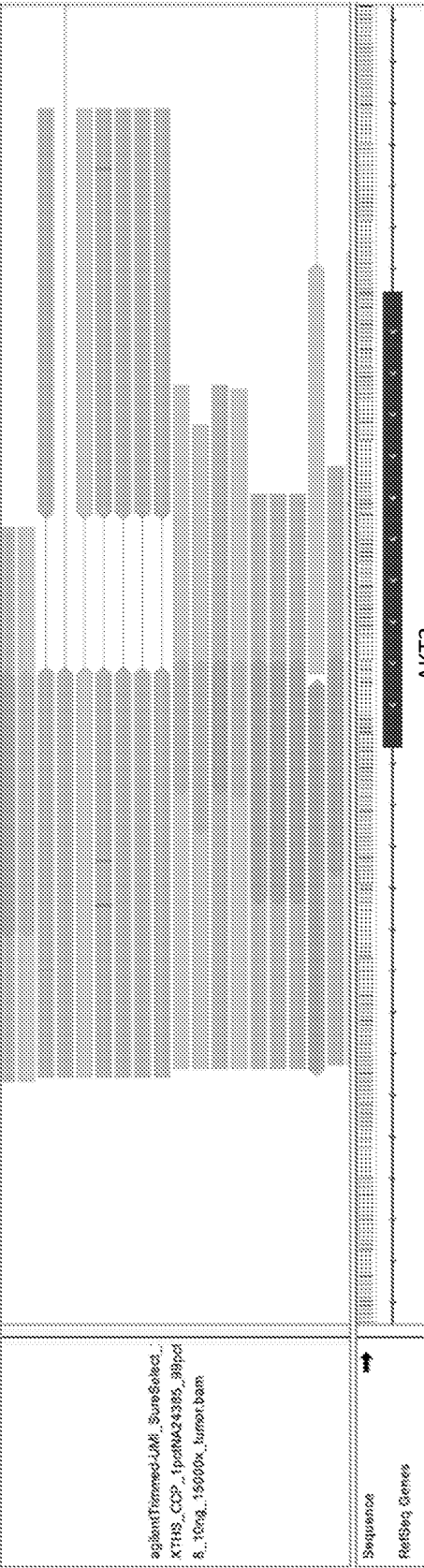


FIG. 4

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**FIG. 5**



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DRAGEN collapsed read name: UMI_chromosome_read1 start_chromosome_read2 start_orientation

SEQ ID NO: 1

consensus_read_CATCGGGGAG_0_243828230_0_243827992_2

SEQ ID NO: 2

consensus_read_GAGTTACTGG_0_243828230_0_243827992_2

SEQ ID NO: 3

consensus_read_GCGGGGGAAC_0_243828230_0_243827992_2

SEQ ID NO: 4

consensus_read_GCGTGGGAAC_0_243828230_0_243827992_2

SEQ ID NO: 5

consensus_read_TTAATGAGCT_0_243828230_0_243827992_2

FIG. 6

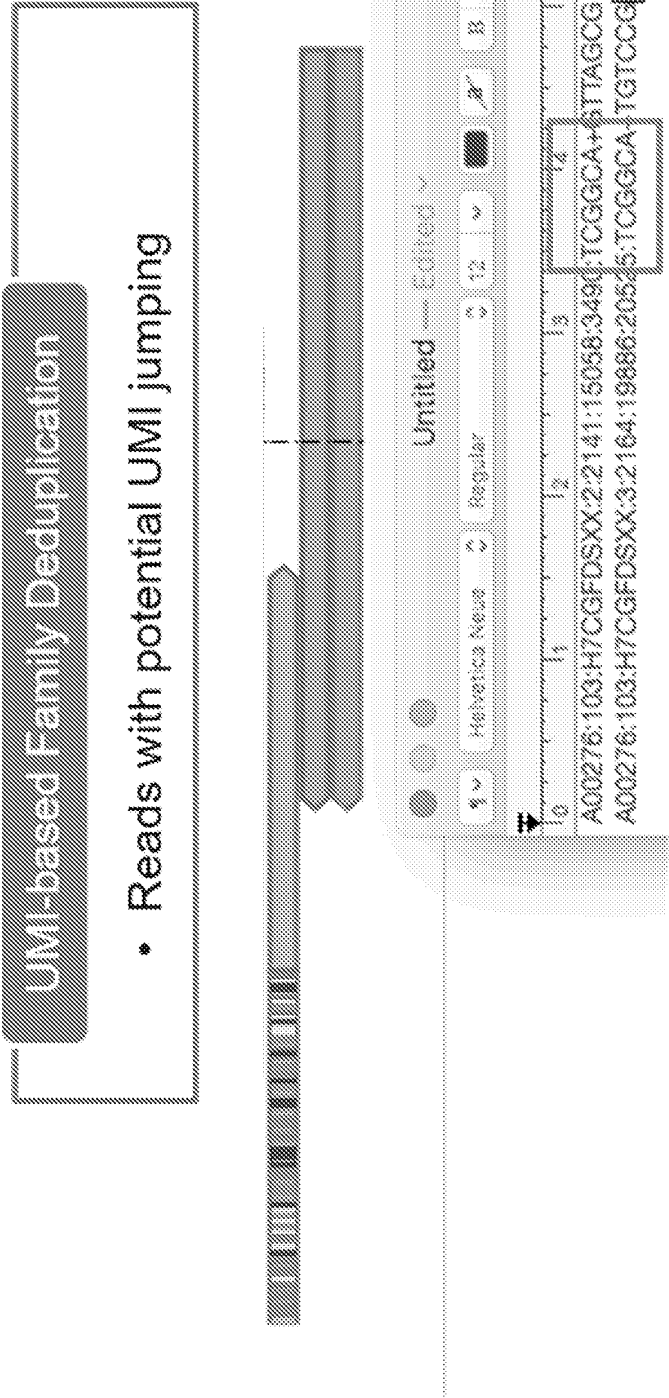


FIG. 7

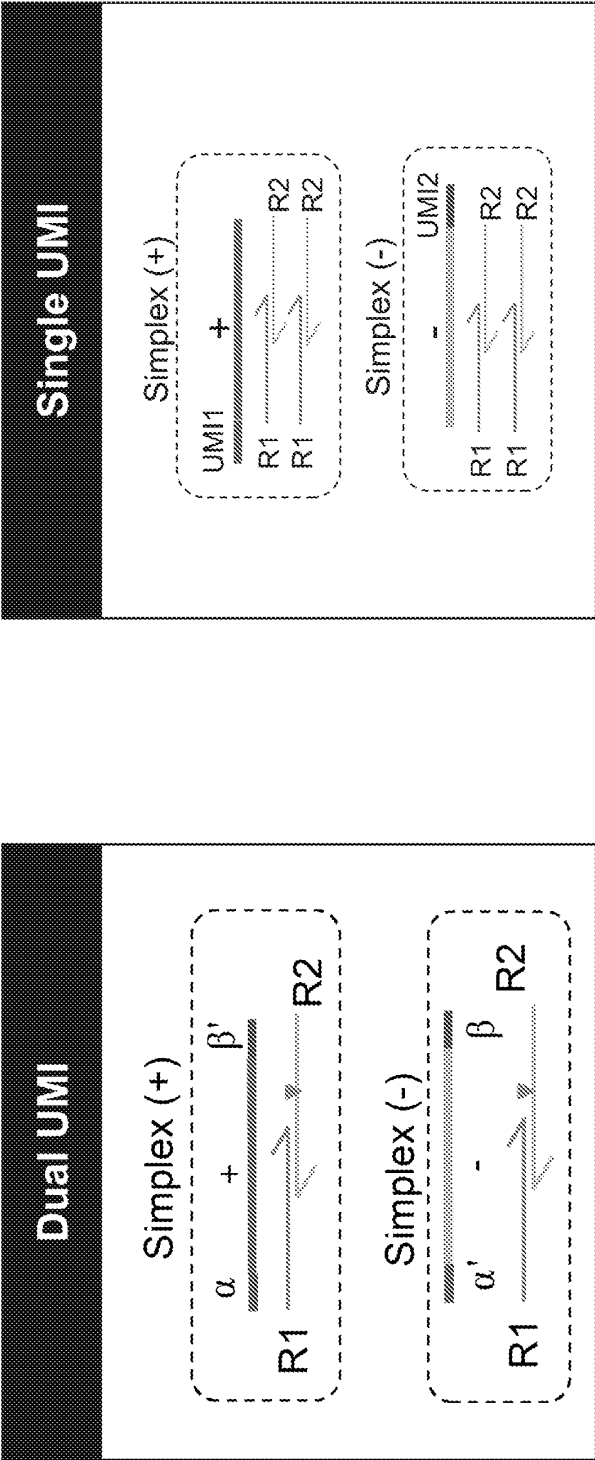


FIG. 8

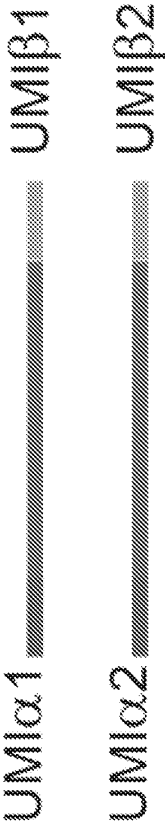


FIG. 9

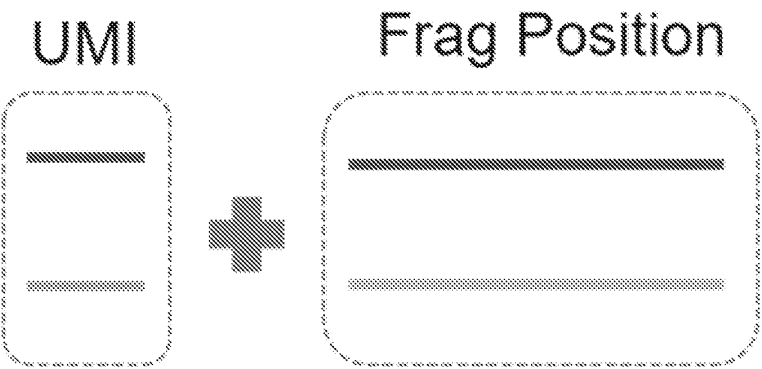
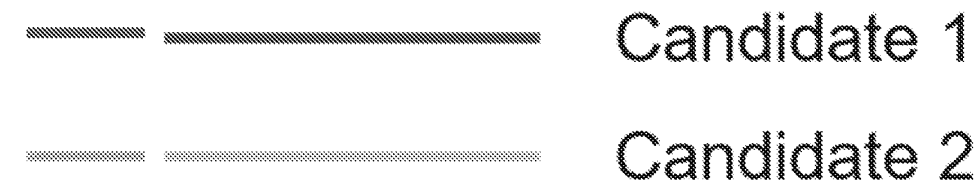


FIG. 10

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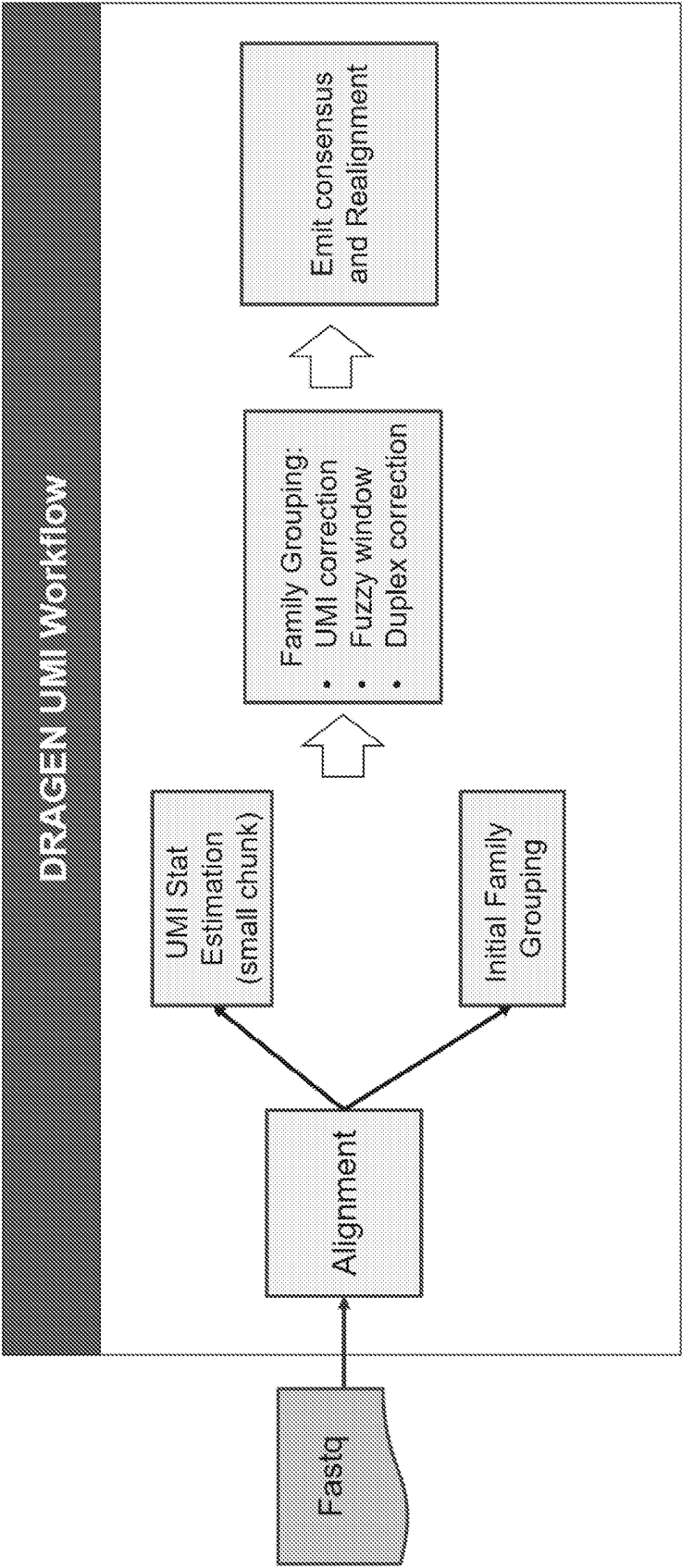


FIG. 11

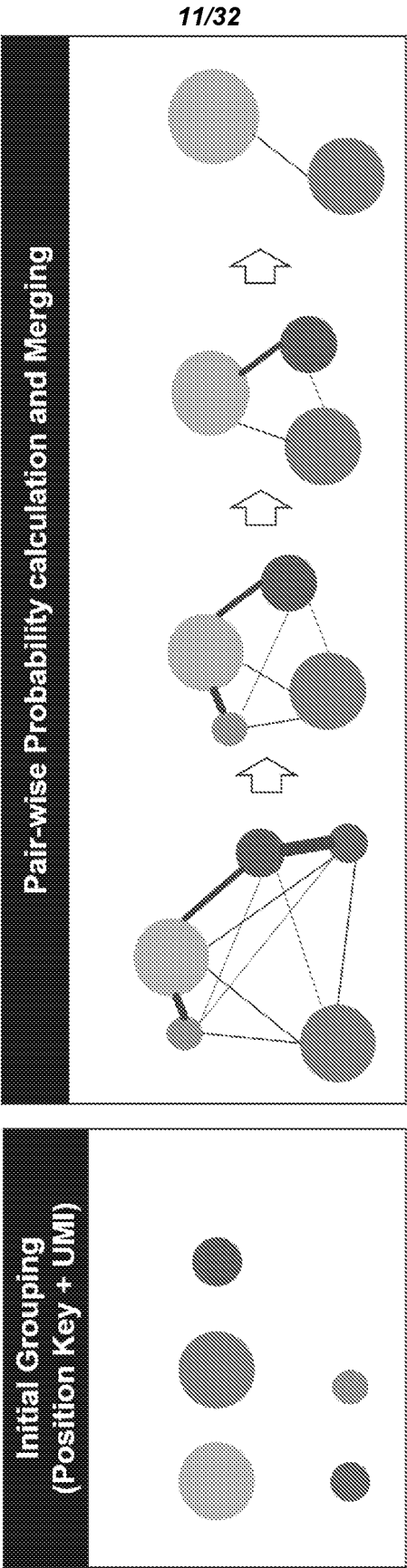


FIG. 12

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Candidate Number = 7

FIG. 13

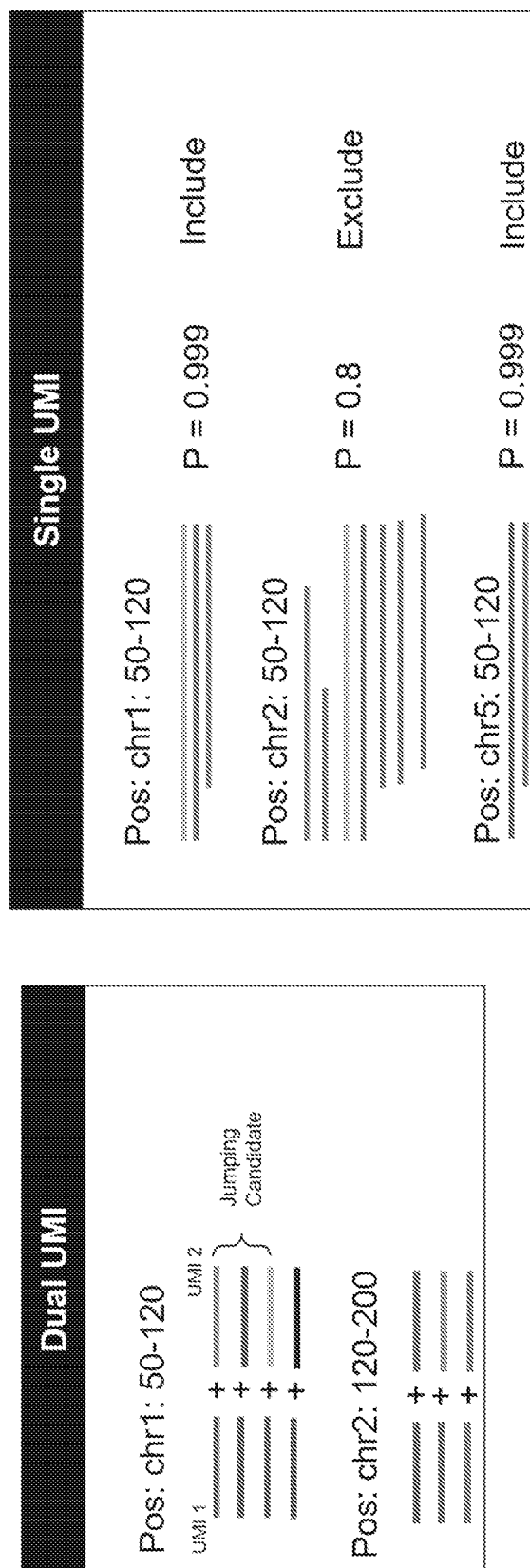
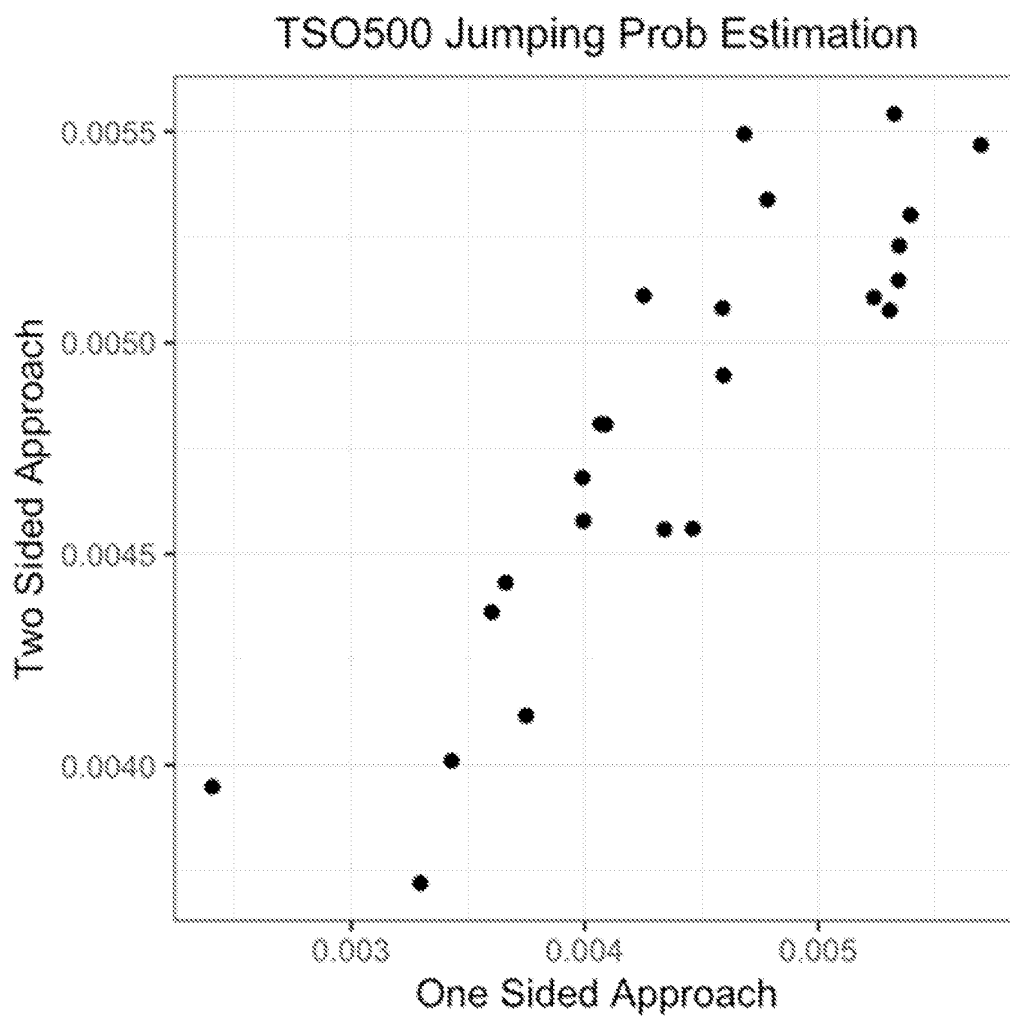


FIG. 14

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**FIG. 15**

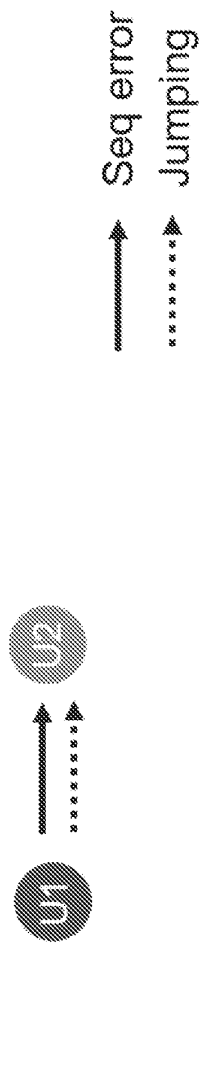
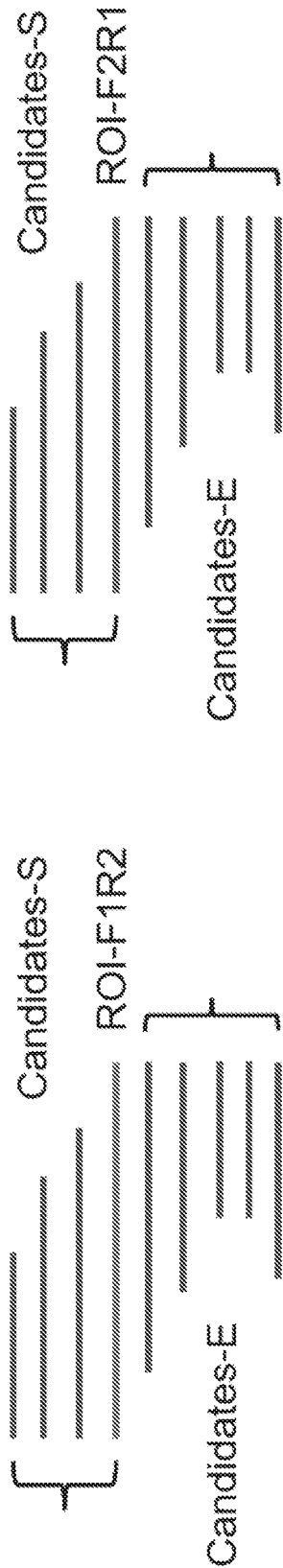


FIG. 16

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Total Candidates = 12

FIG. 17

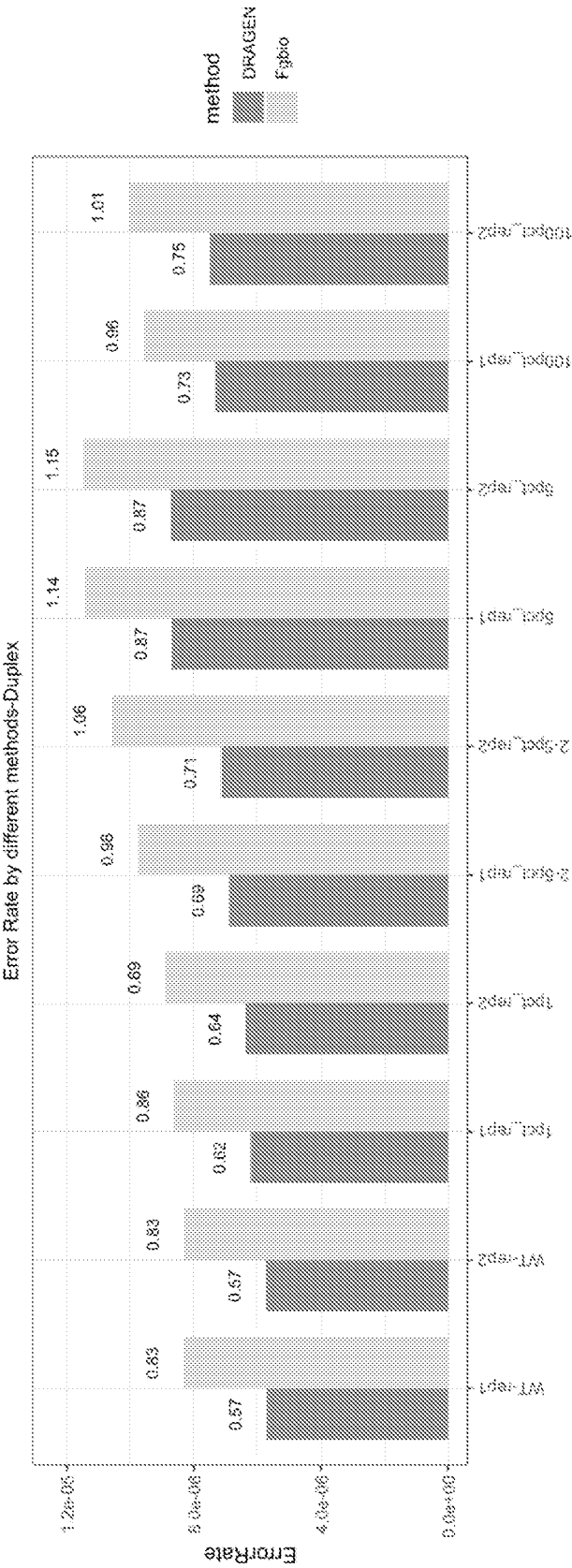


FIG. 18

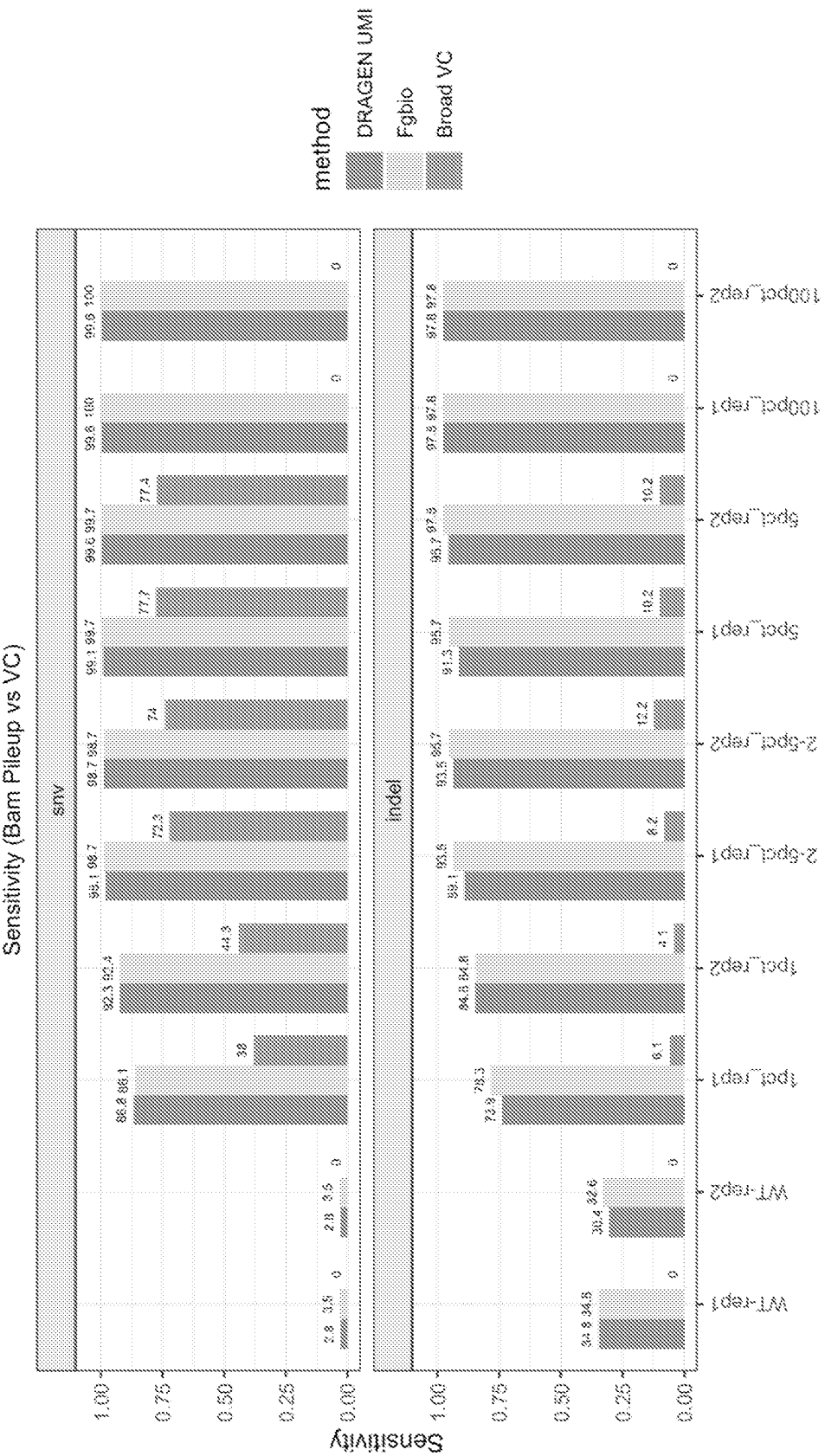


FIG. 19

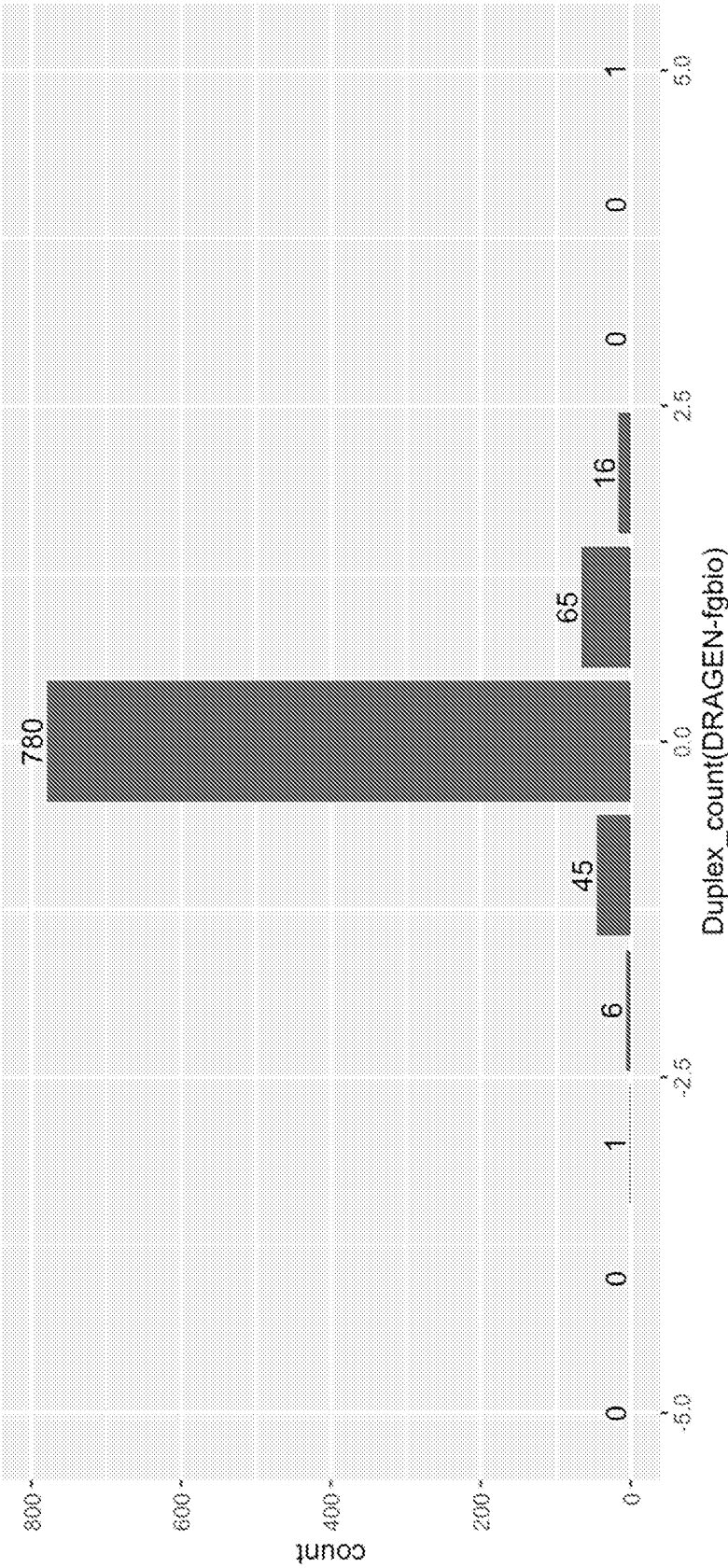
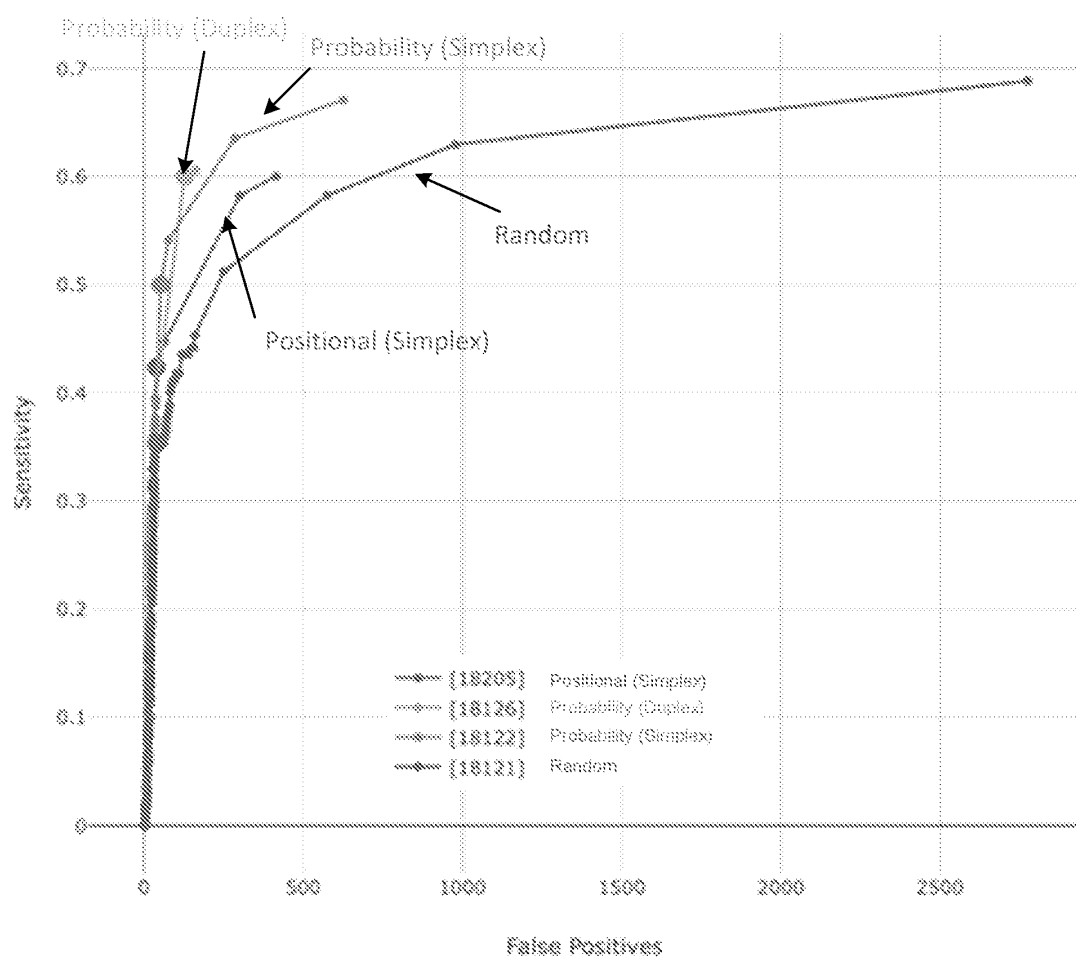


FIG. 20

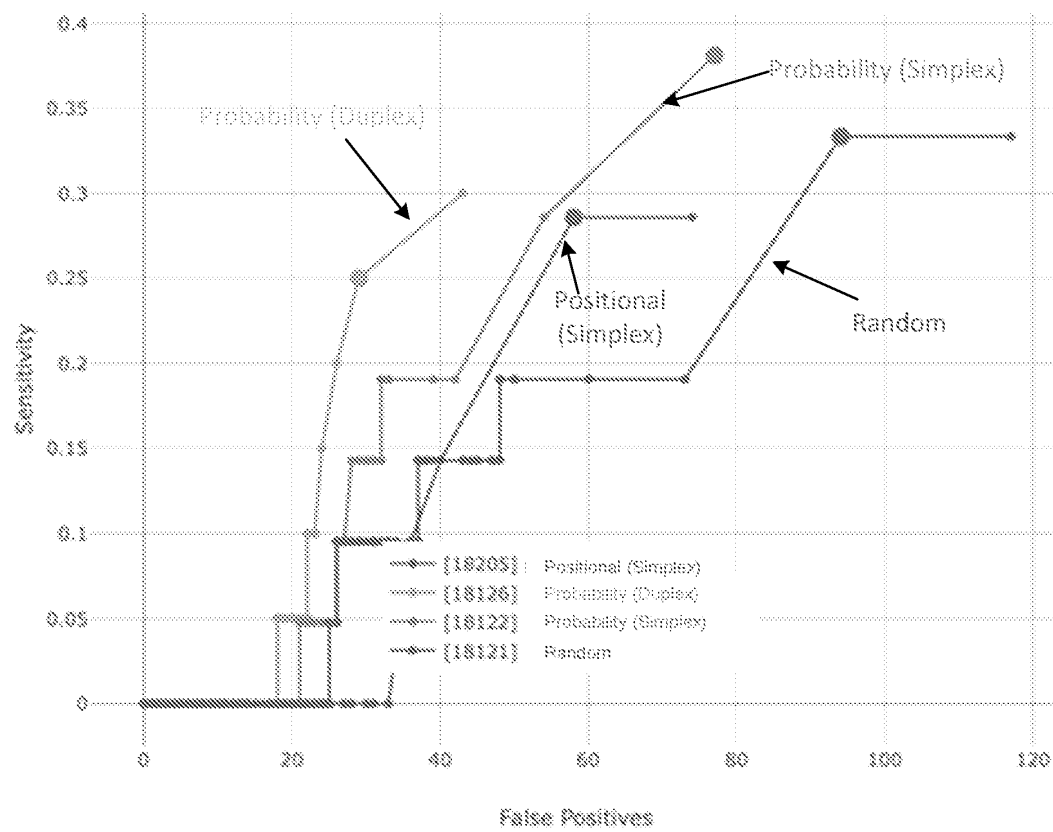
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SNP ROC

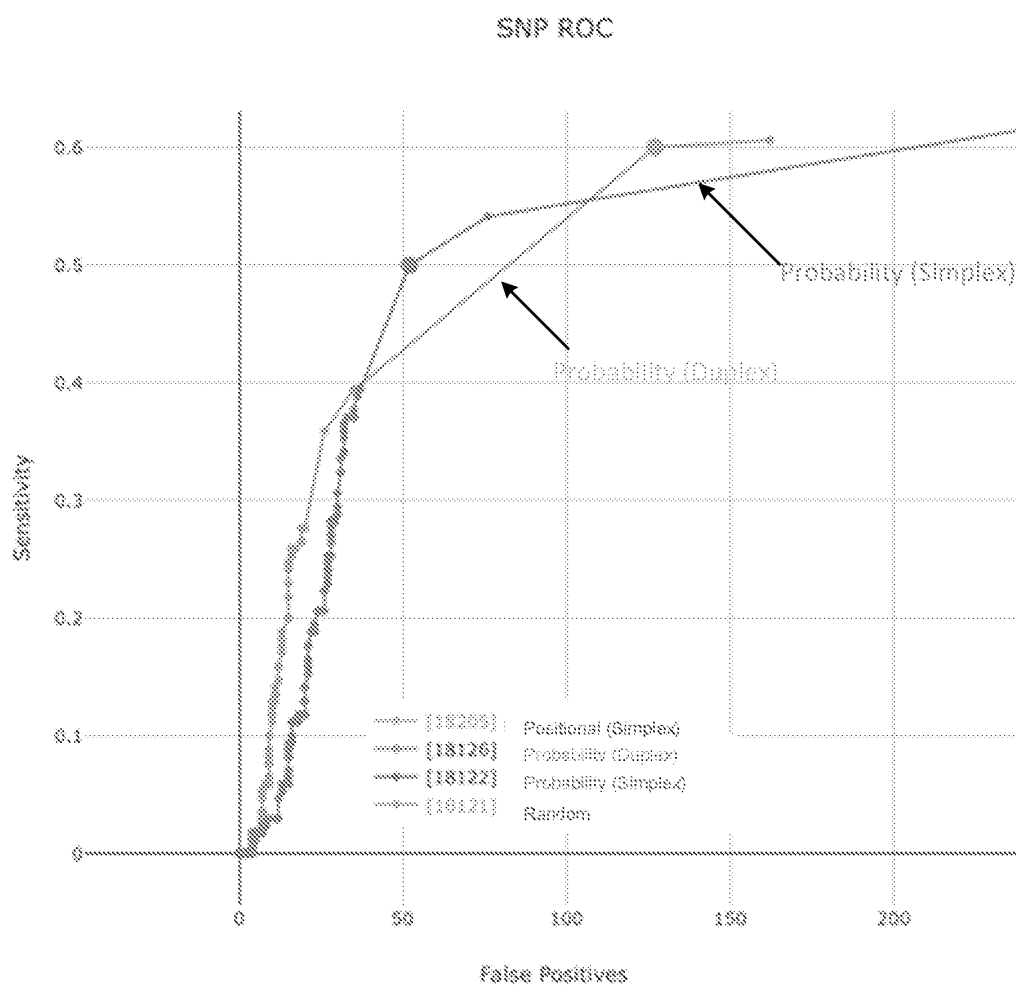
**FIG. 21**

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Non SNP ROC

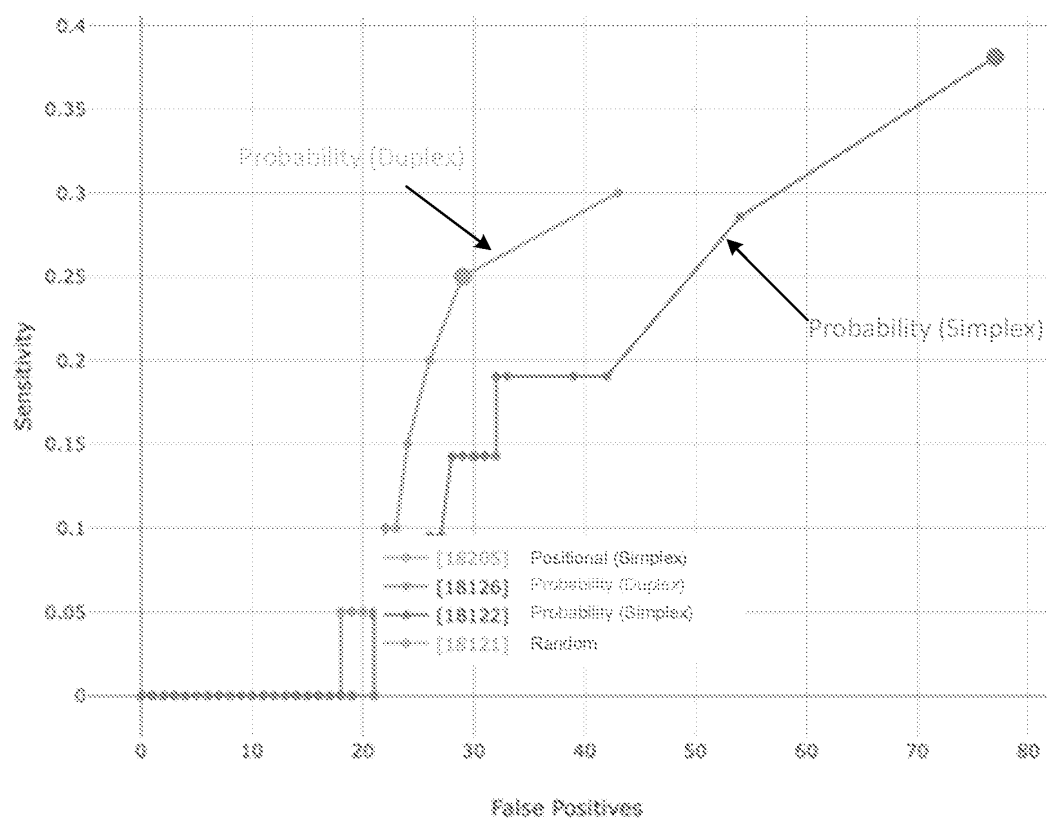
**FIG. 22**

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**FIG. 23**

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Non SNP ROC

**FIG. 24**

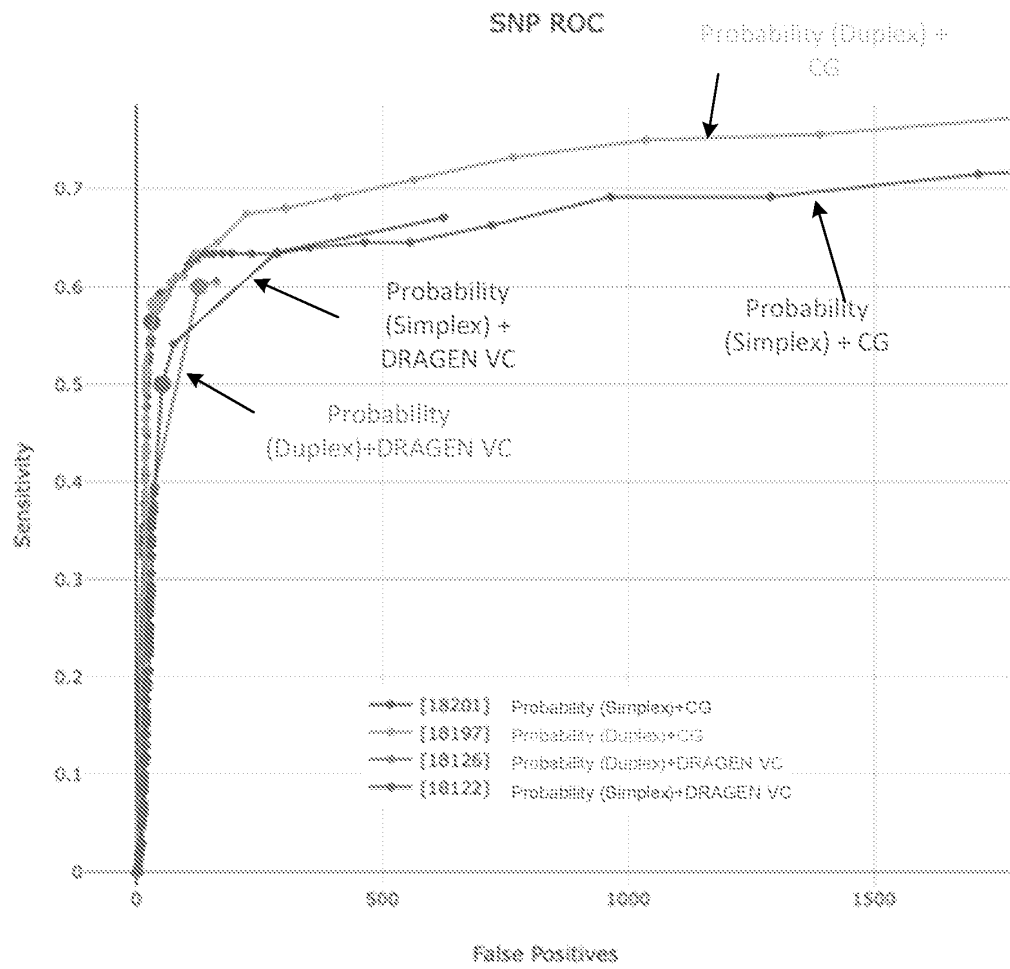
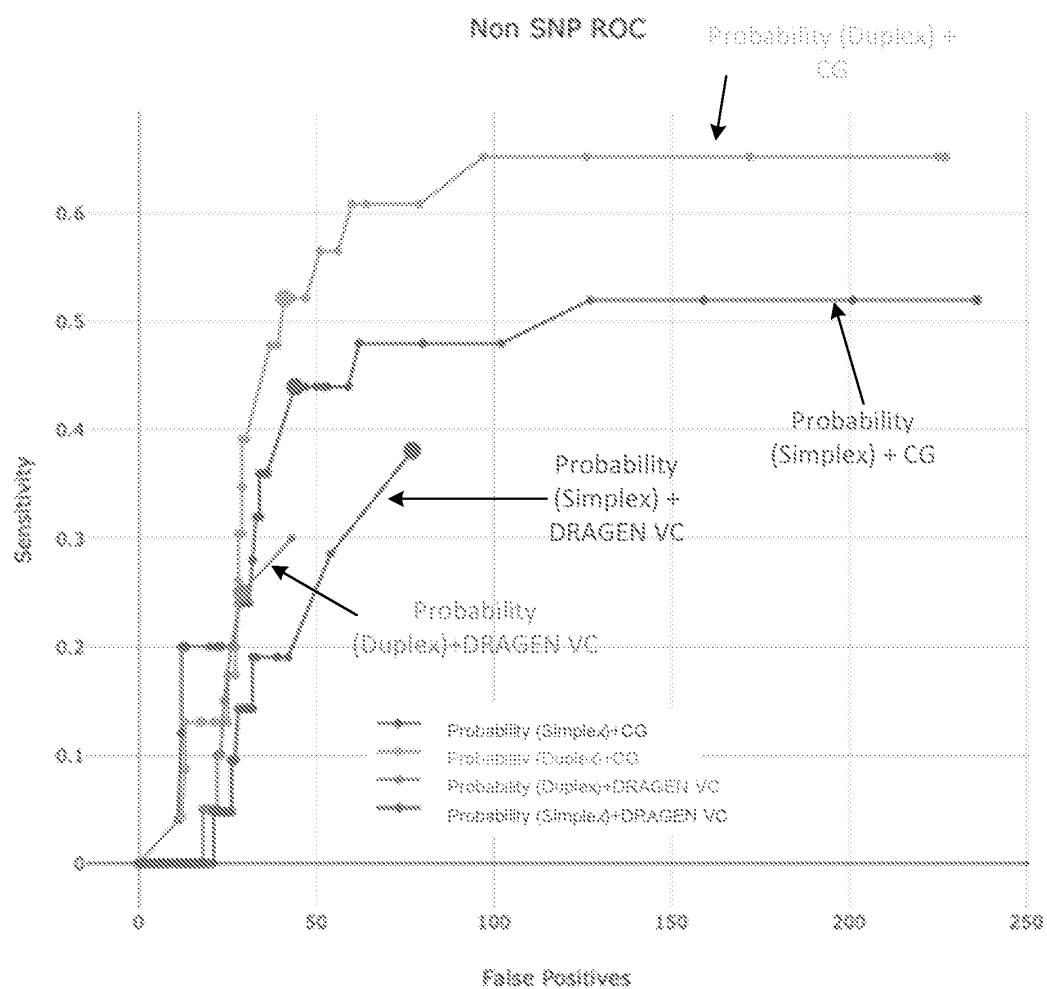
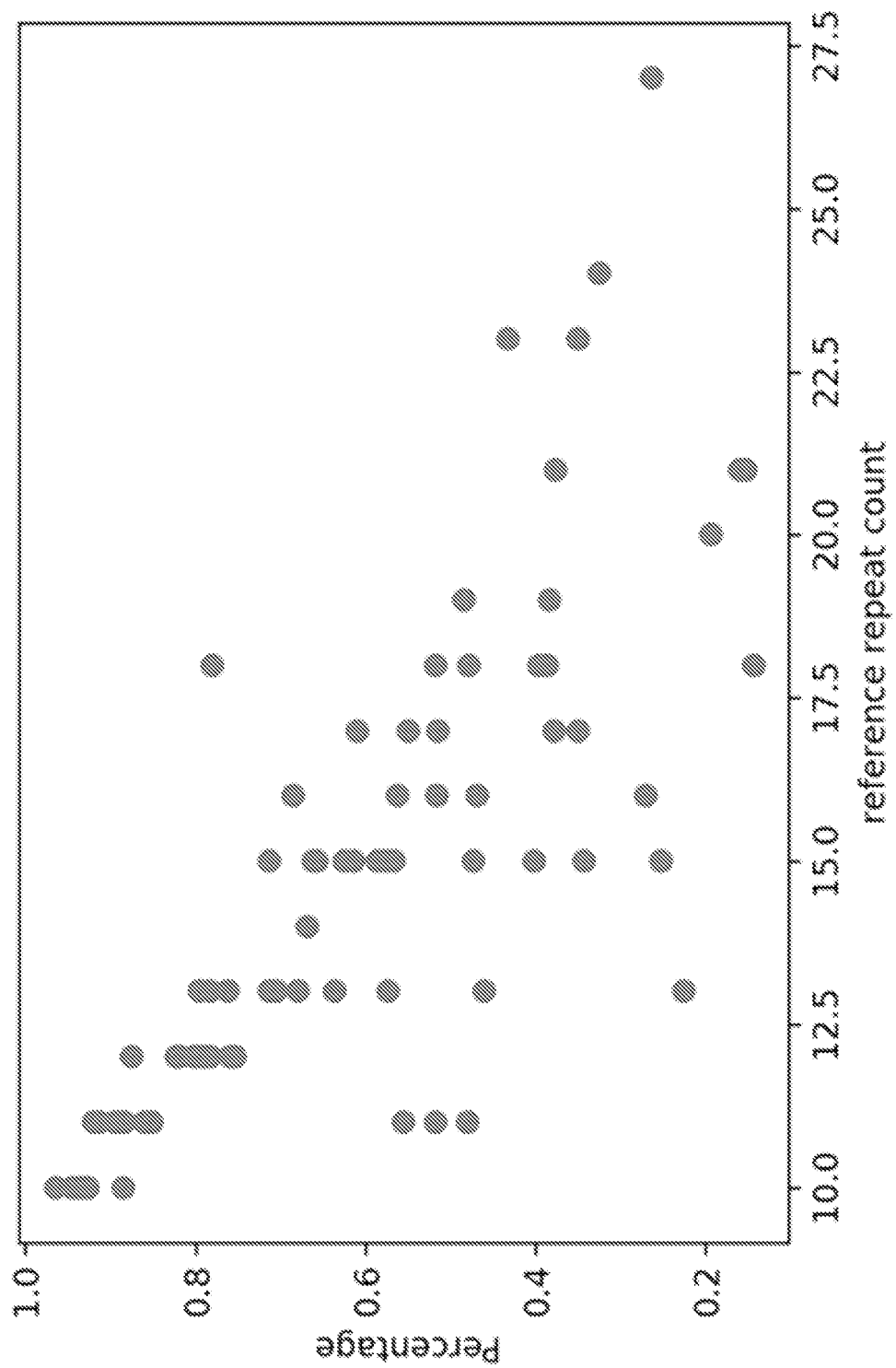


FIG. 25

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**FIG. 26**



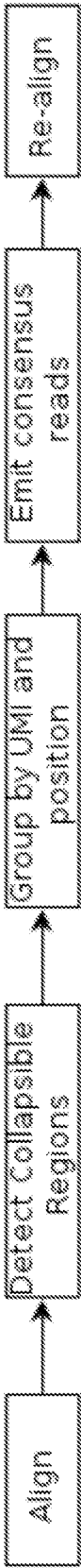


FIG. 28

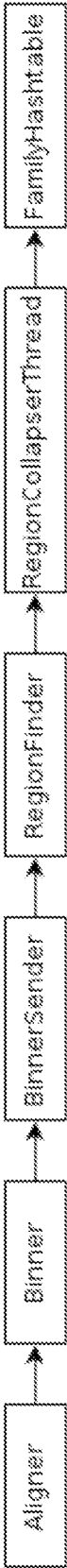


FIG. 29

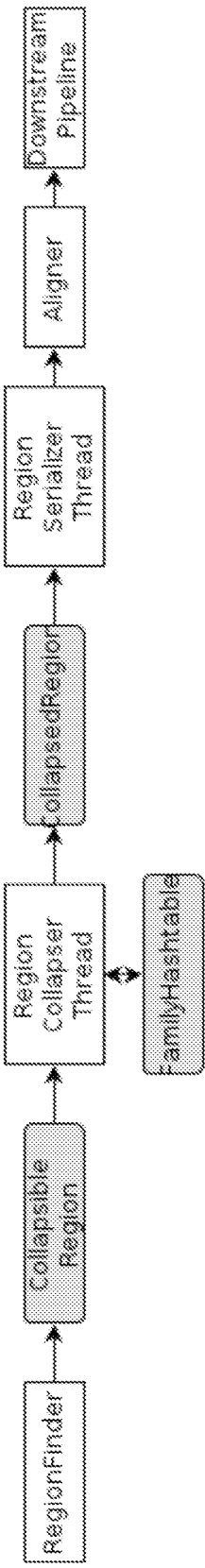


FIG. 30

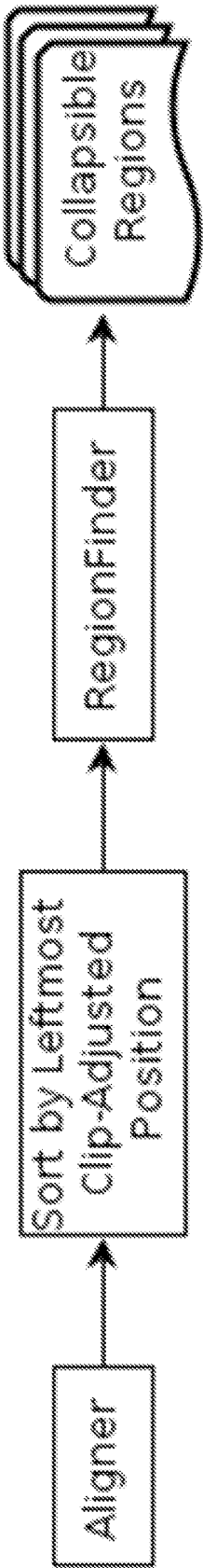
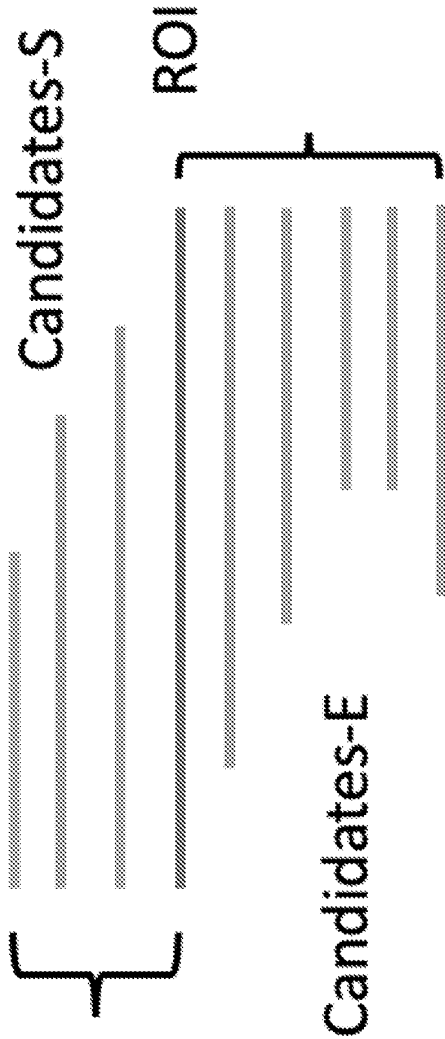


FIG. 31



Candidate Number = 6

FIG. 32

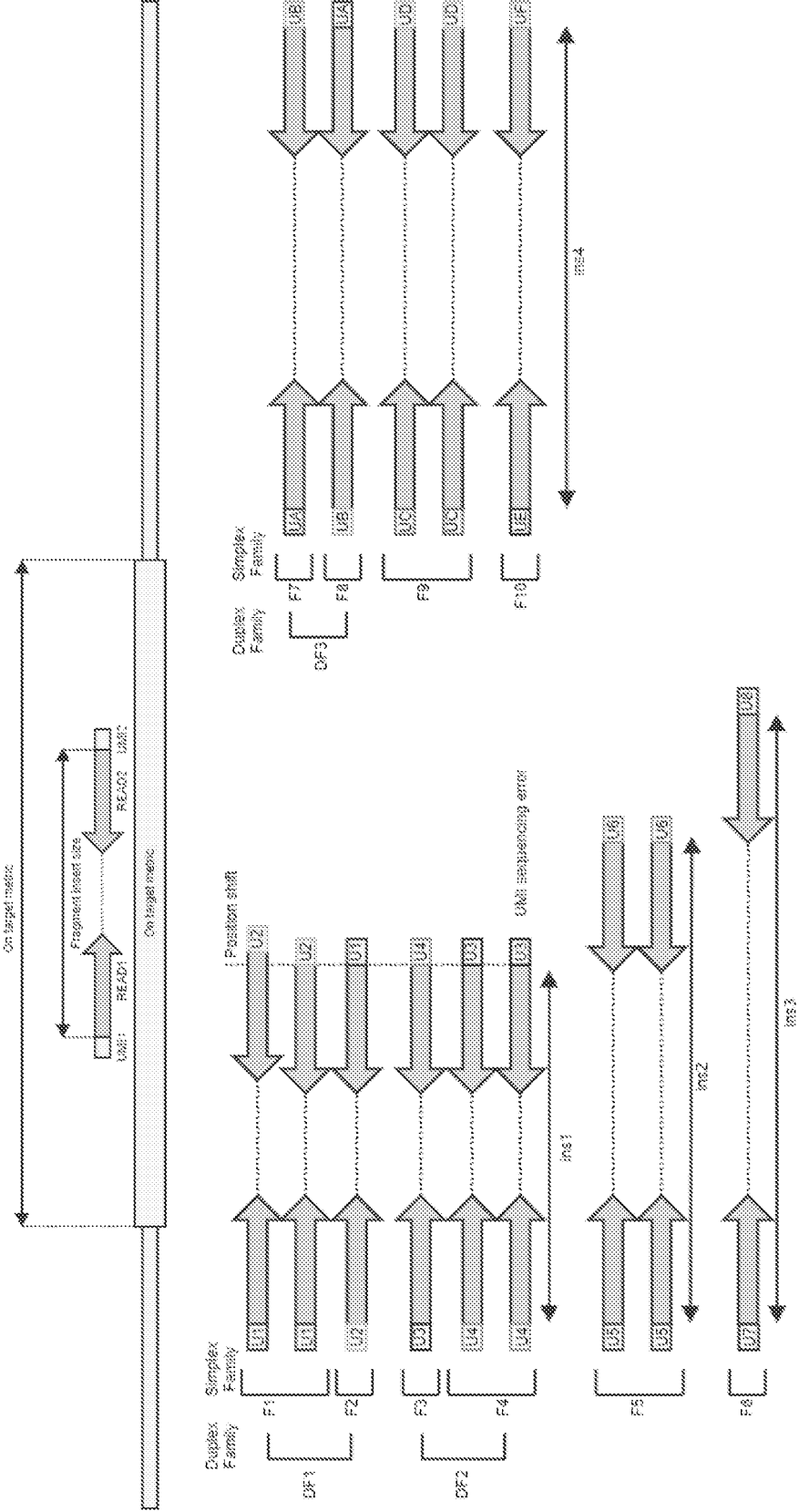
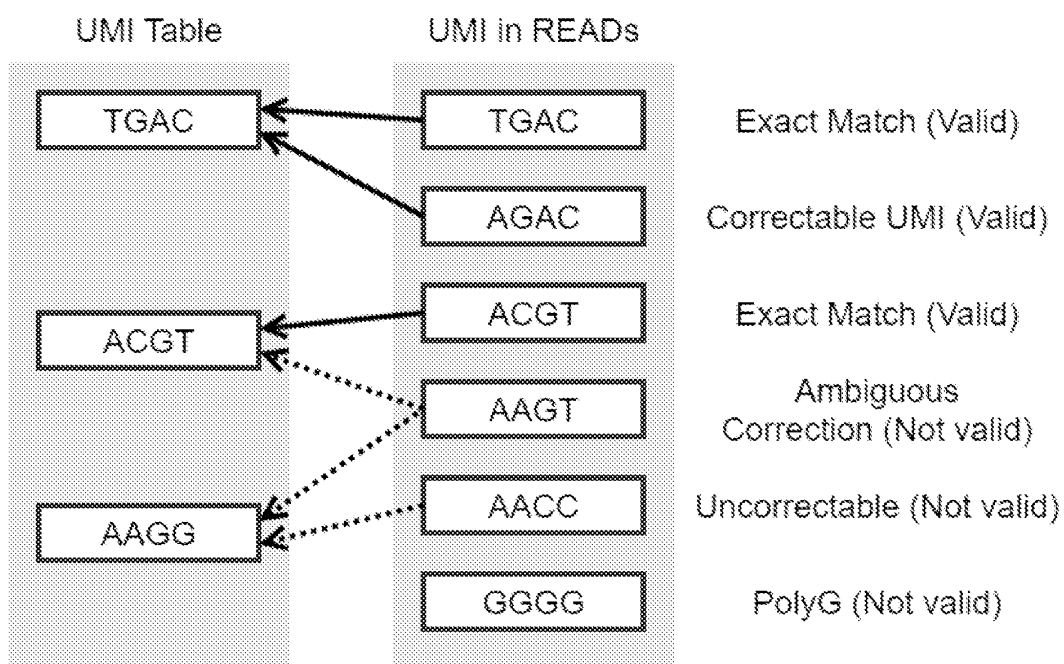


FIG. 33

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**FIG. 34**

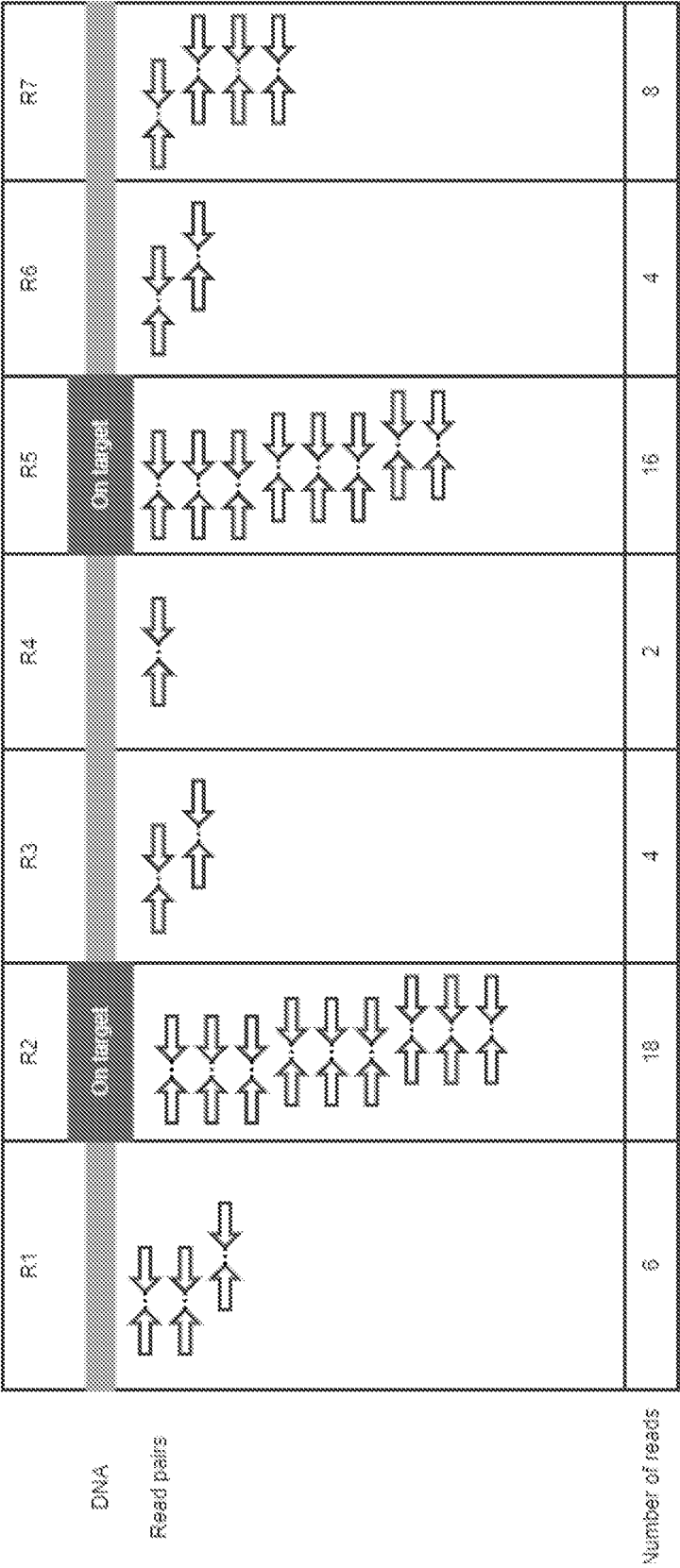
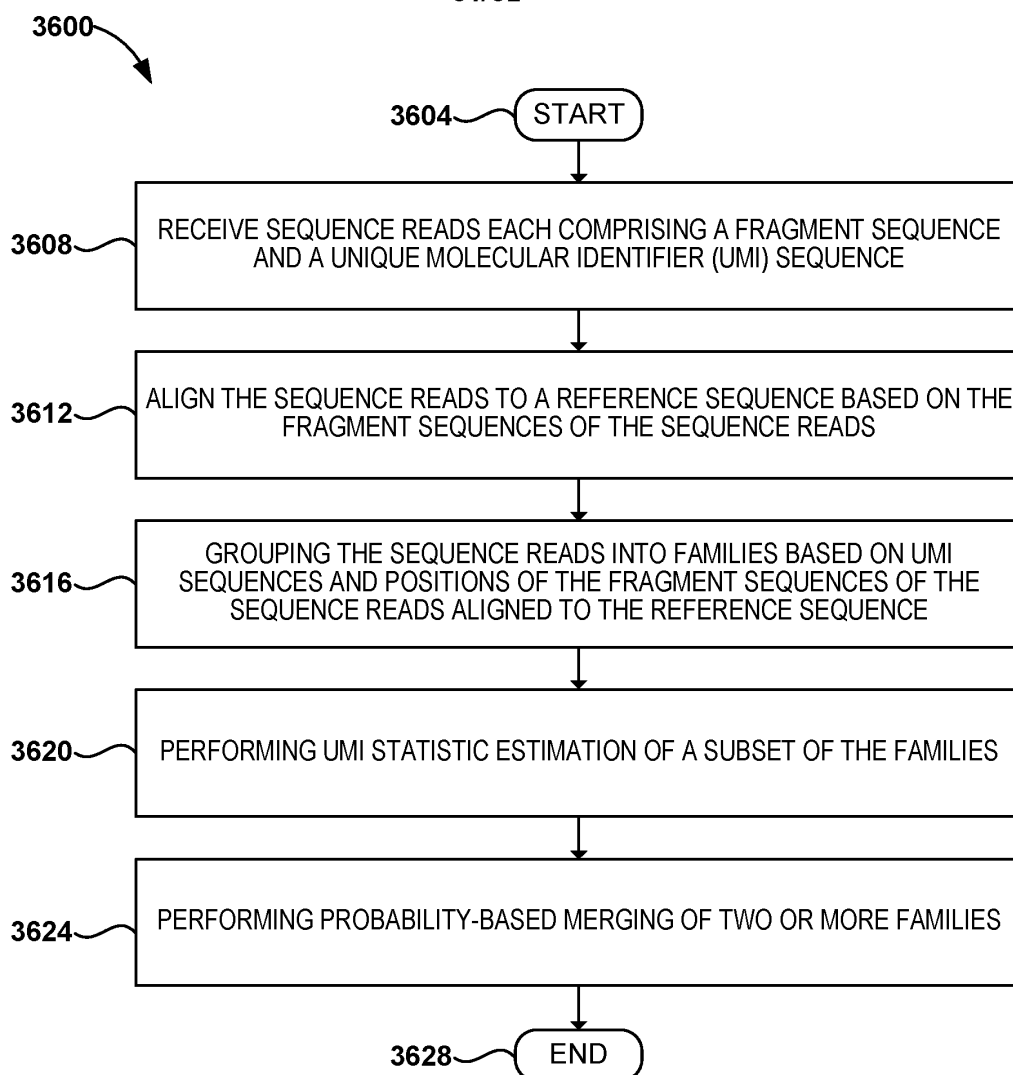


FIG. 35

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**FIG. 36**

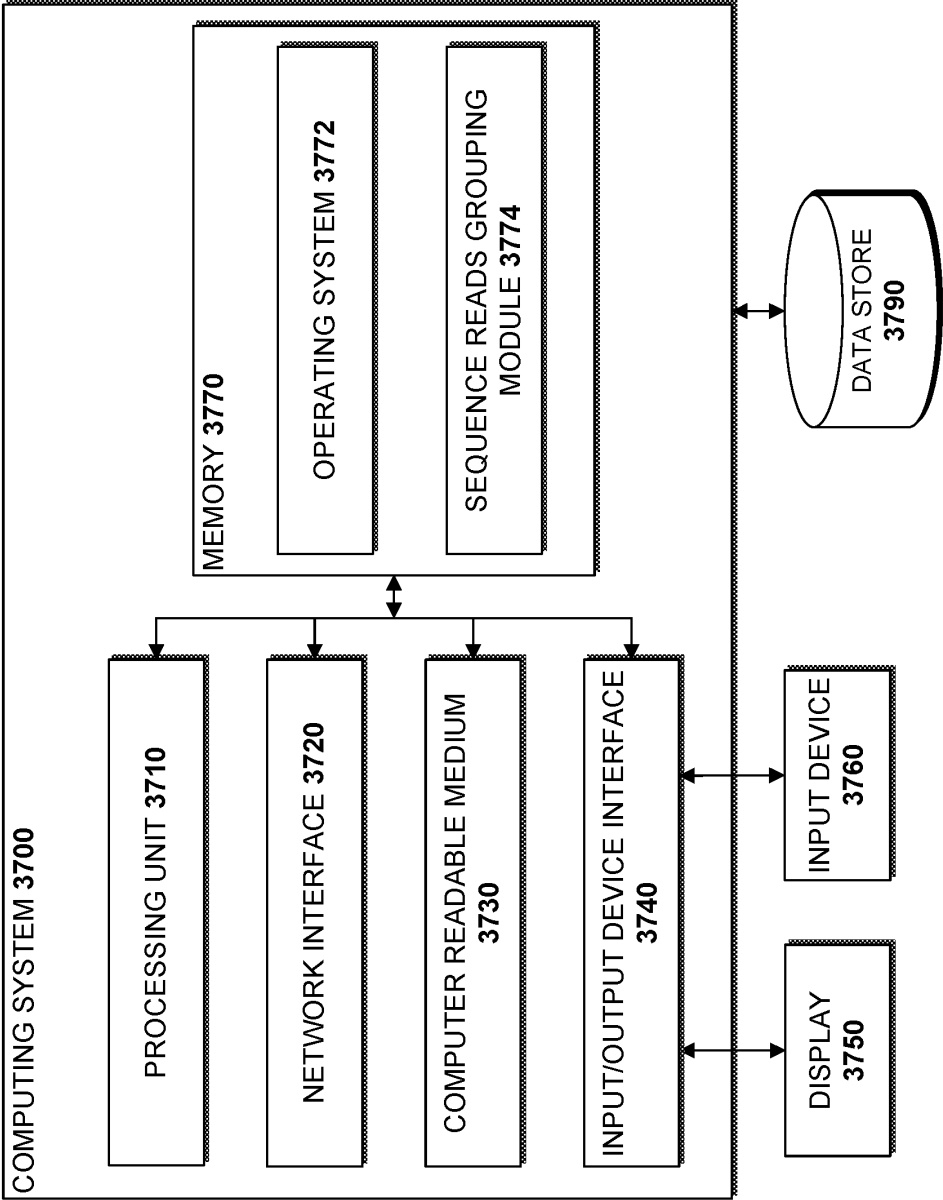


FIG. 37