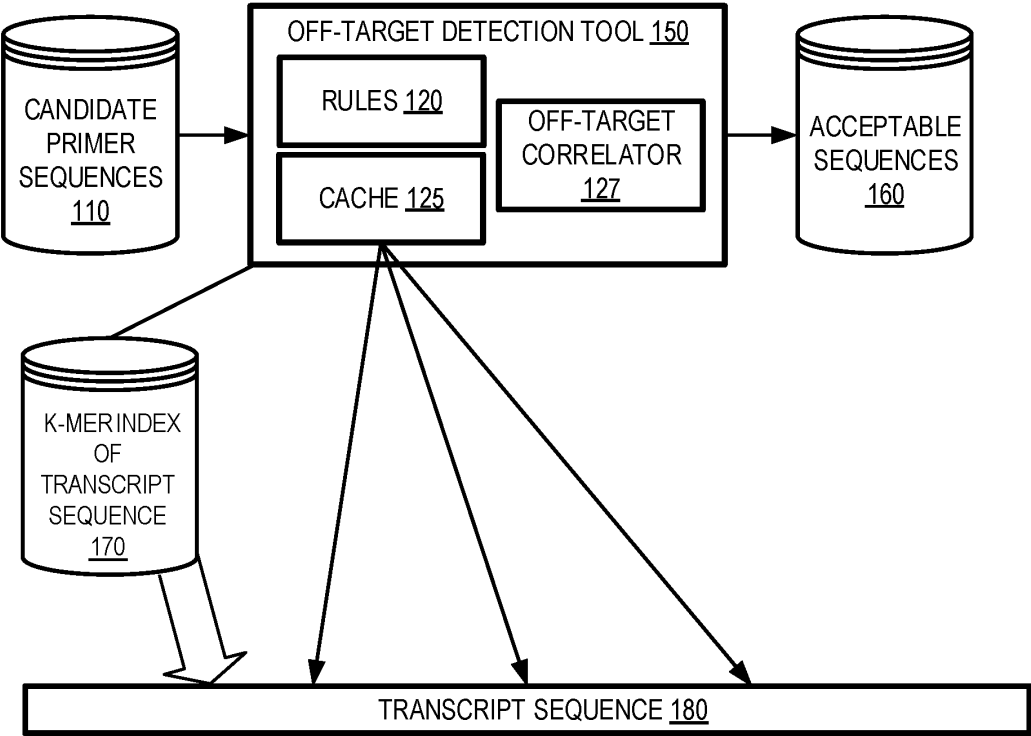




100 ↗

FIG. 1

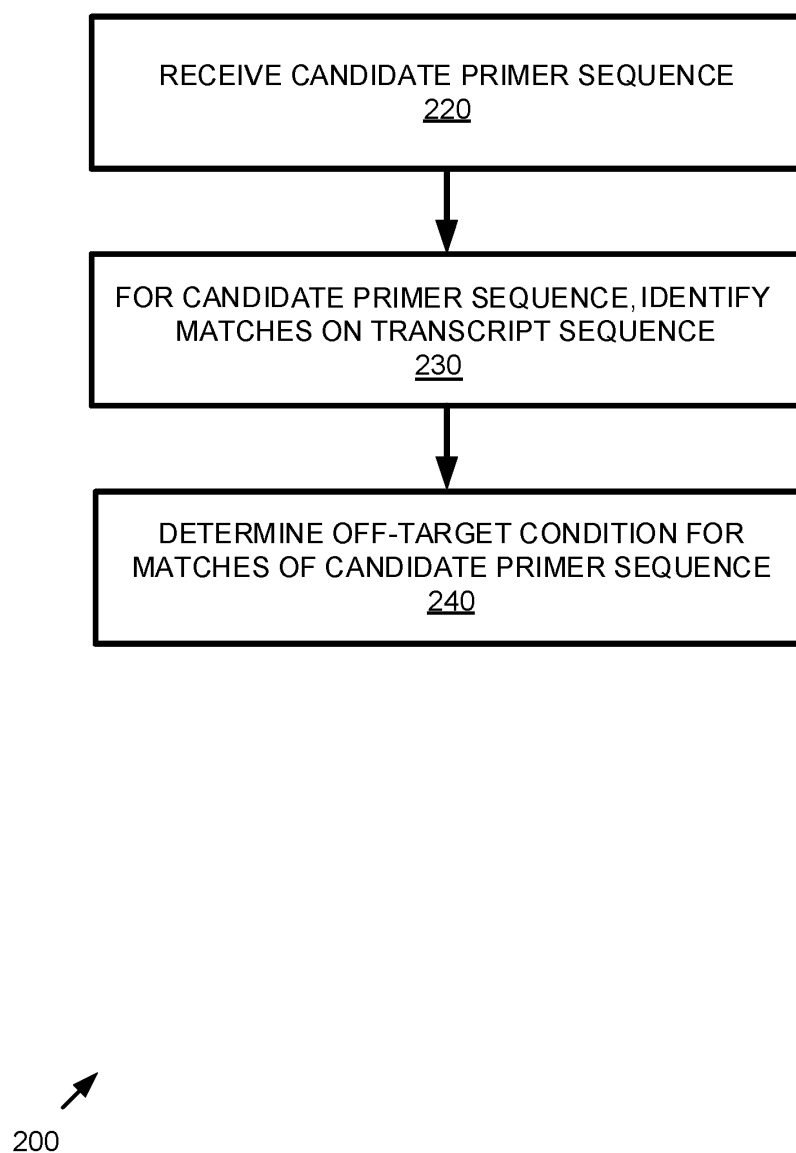


FIG. 2

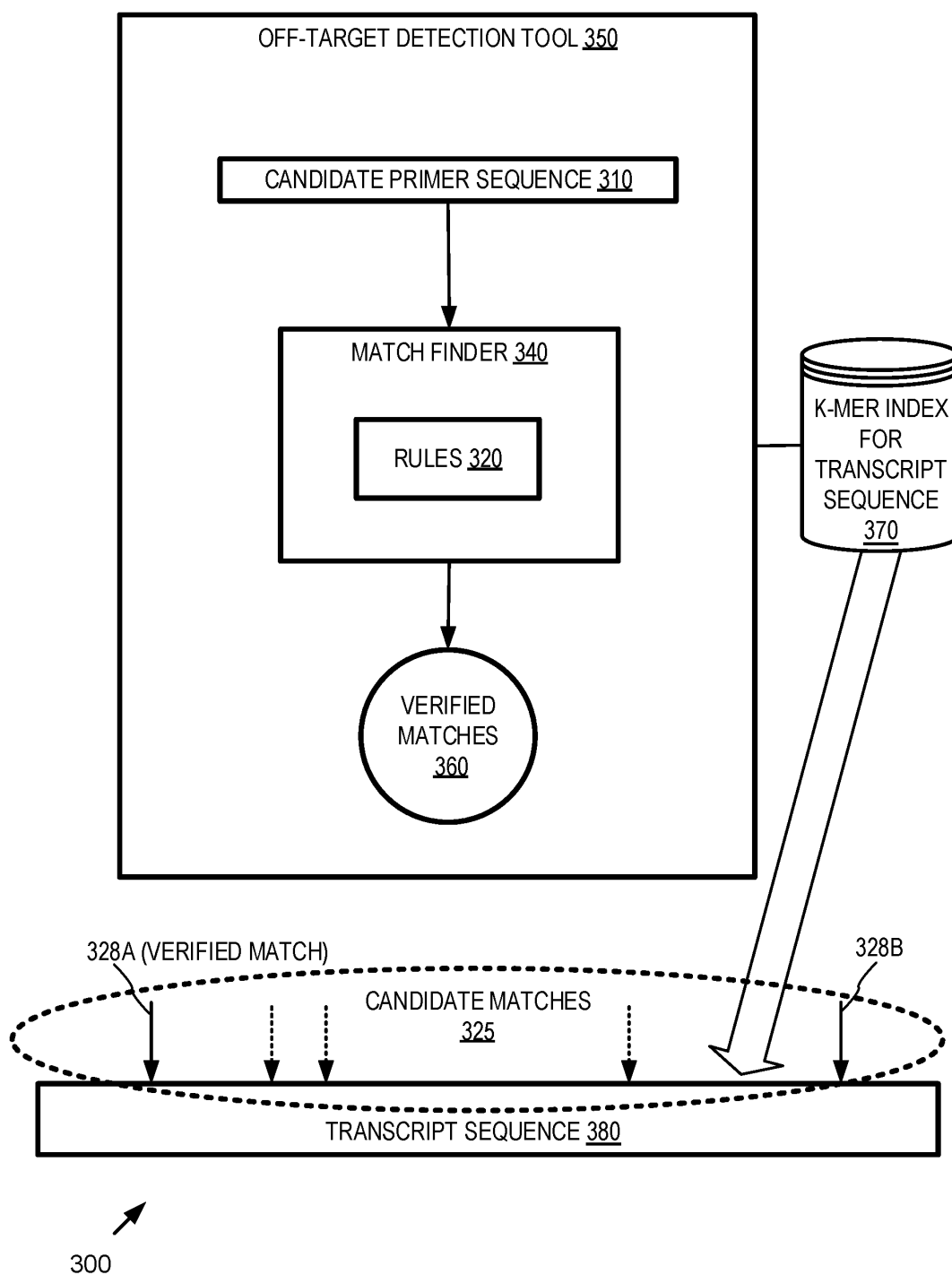
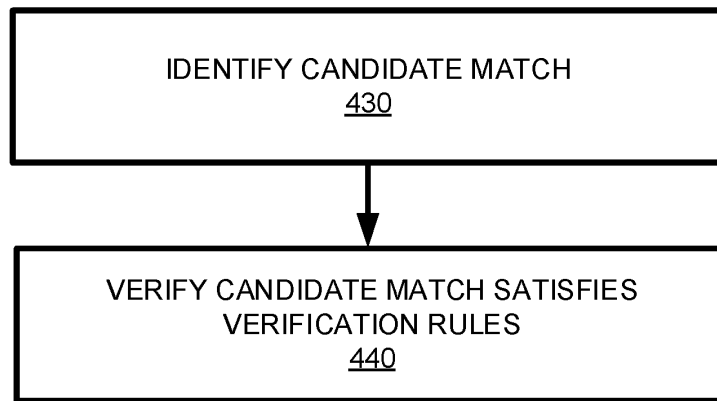


FIG. 3



400 ↗

FIG. 4

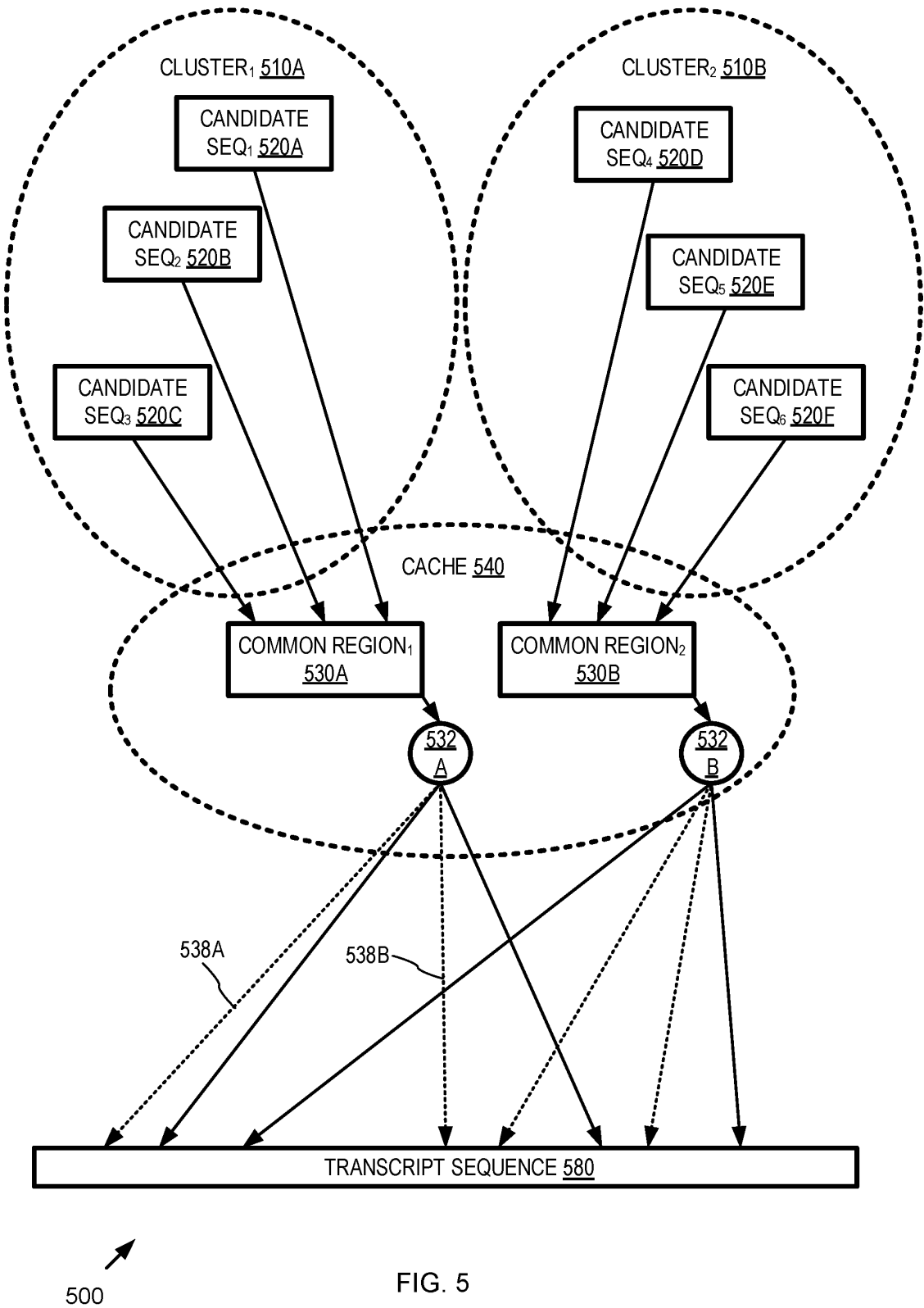


FIG. 5

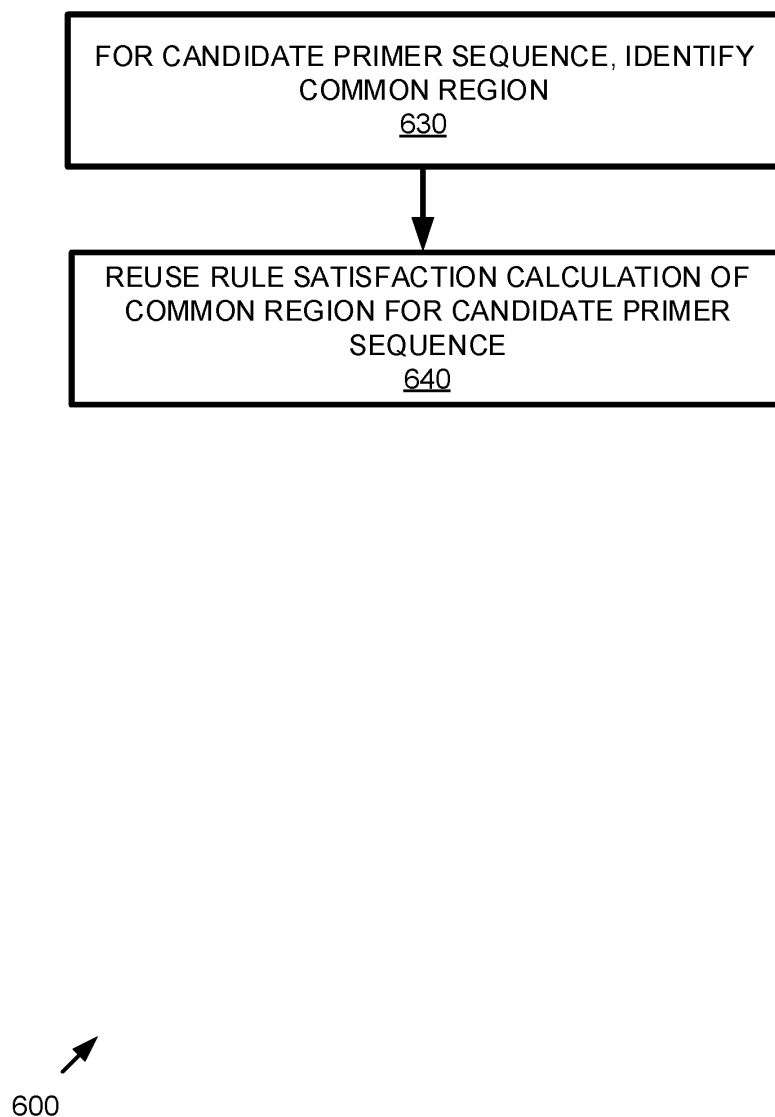


FIG. 6

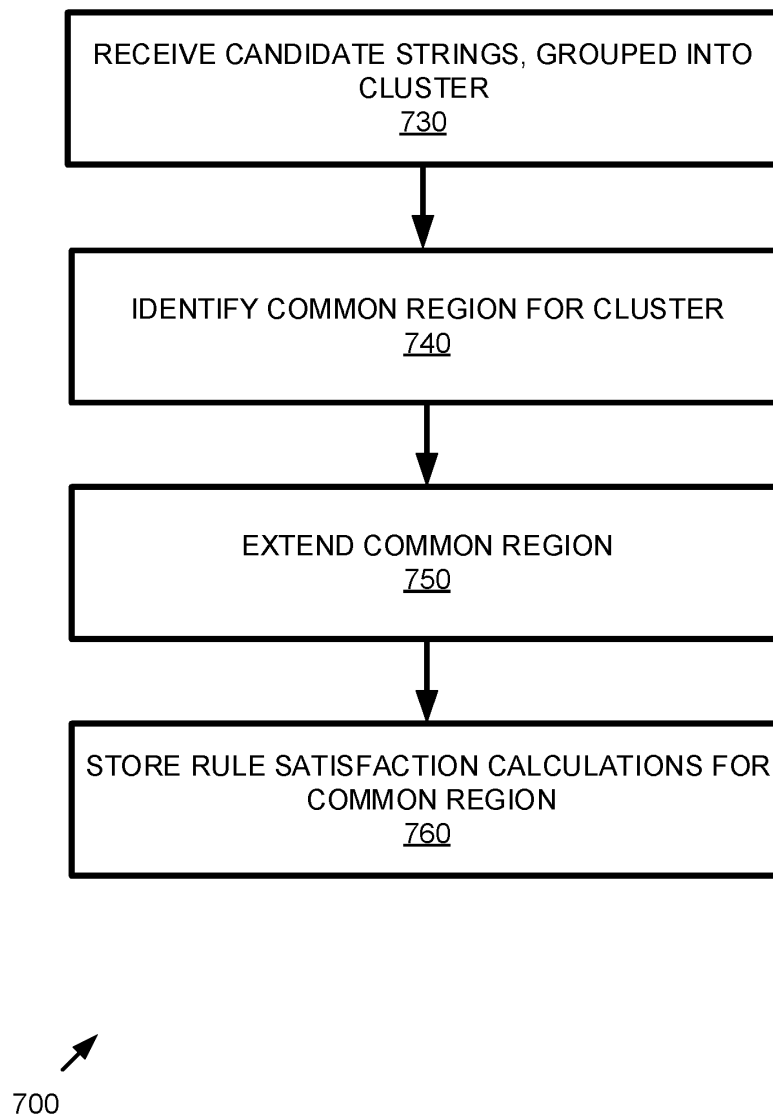
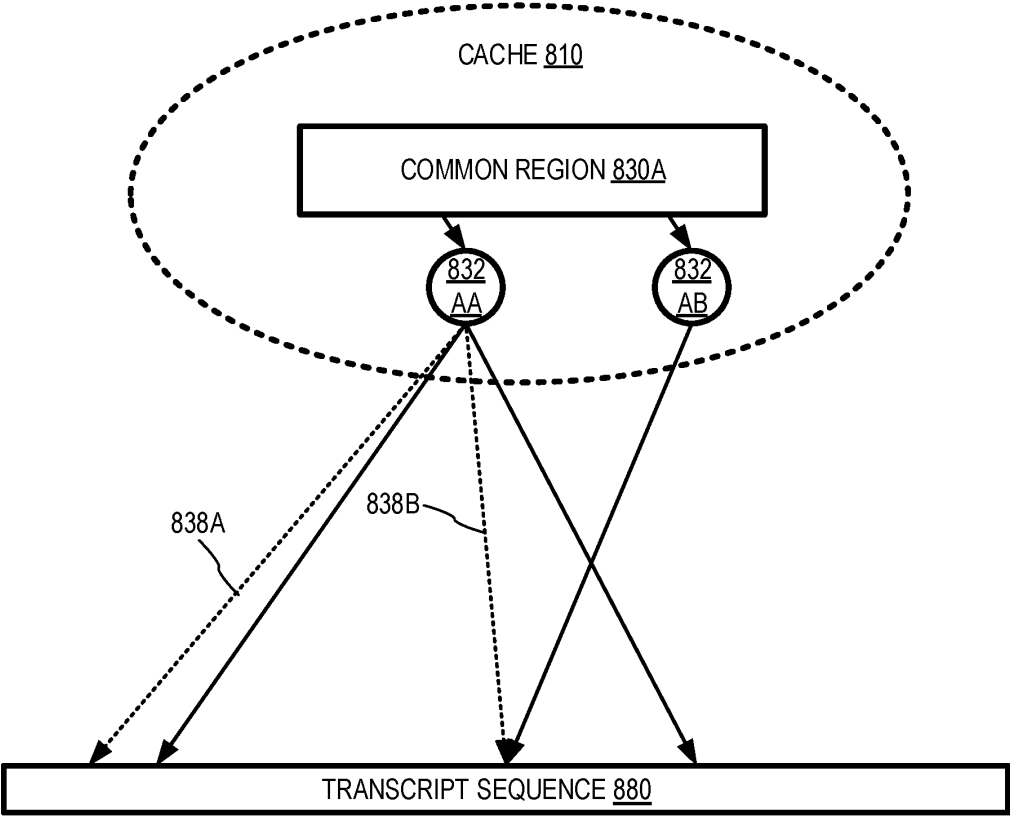
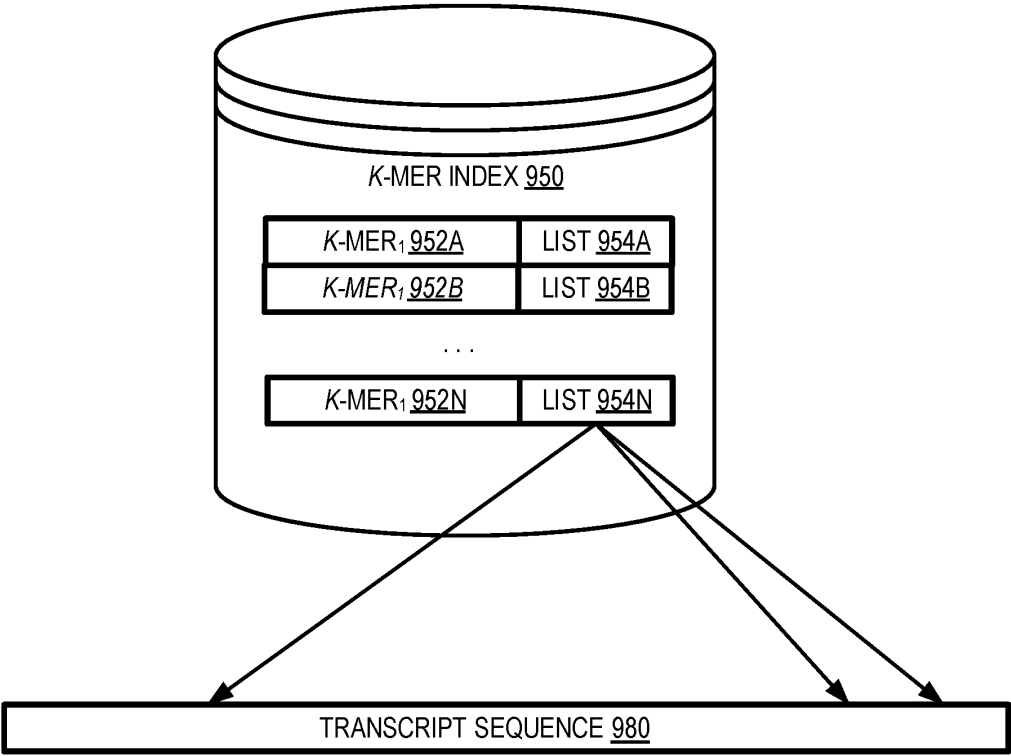


FIG. 7



800 ↗

FIG. 8



900 ↗

FIG. 9

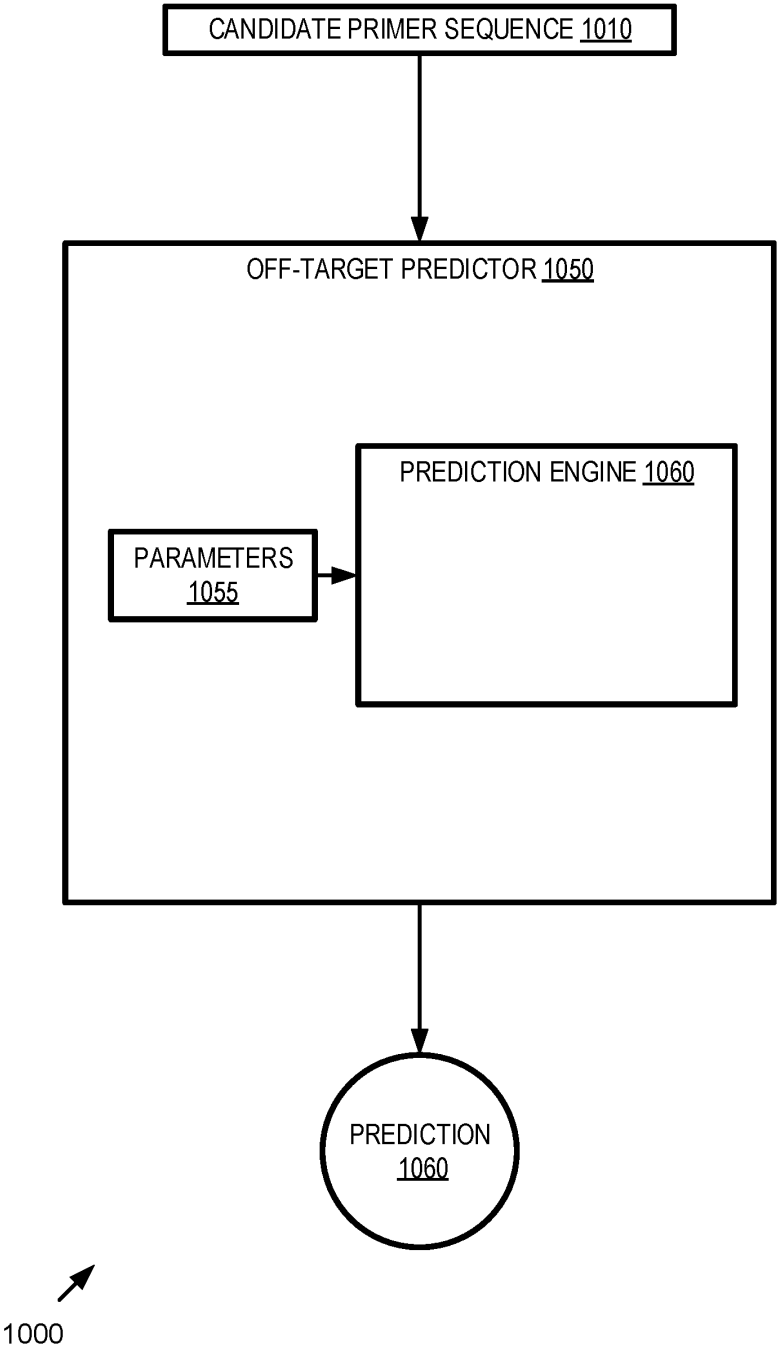
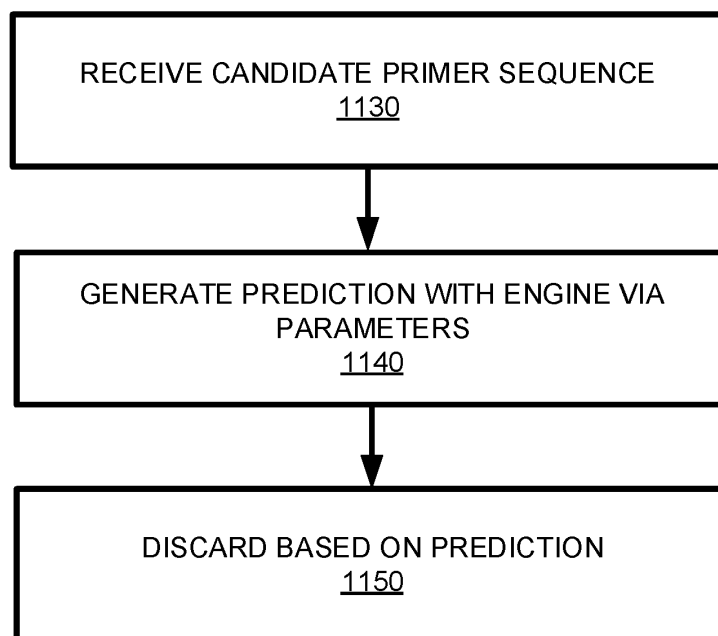
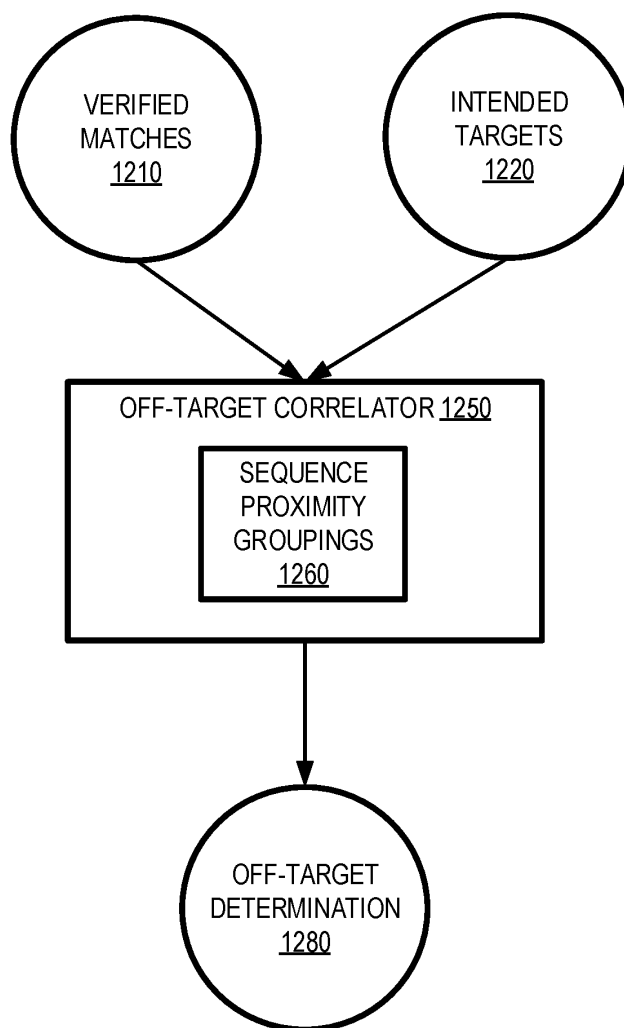


FIG. 10



1100 ↗

FIG. 11



1200 ↗

FIG. 12

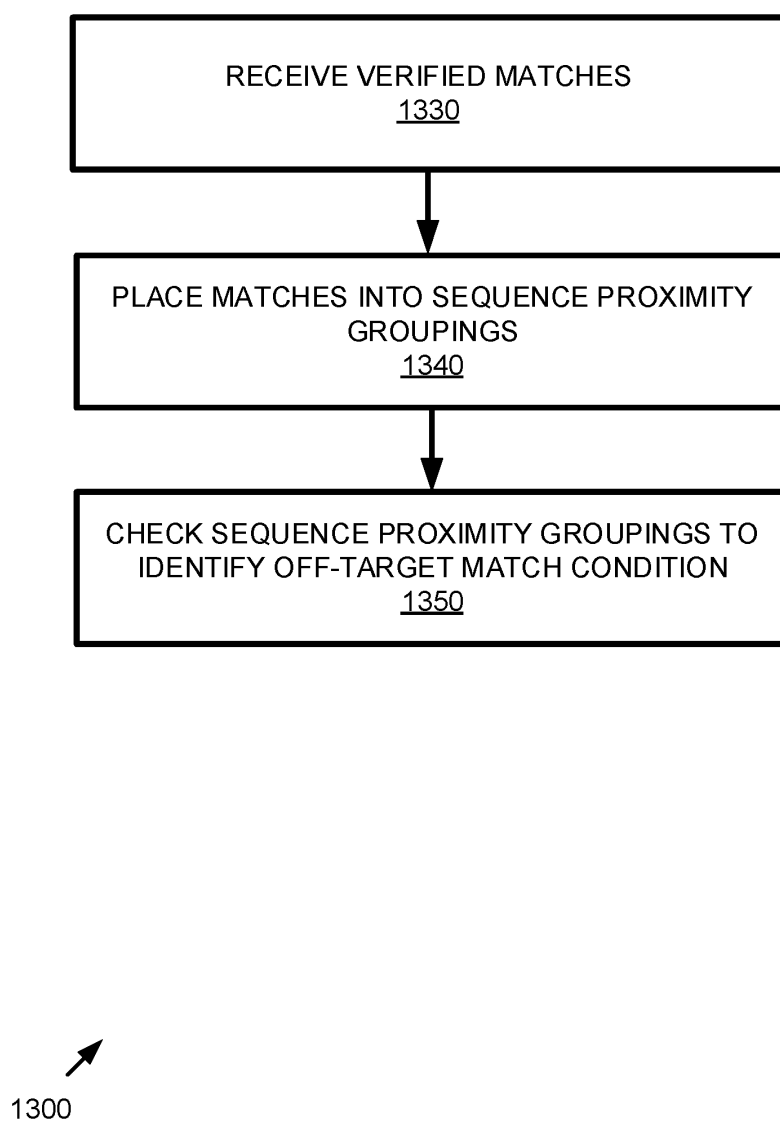
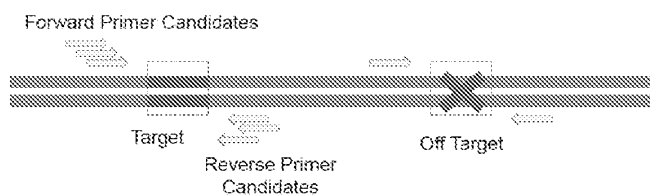


FIG. 13

- Amplified unintended regions are called off-targets



- With multiplex PCR primer design, primer sets for several targets have to be designed simultaneously

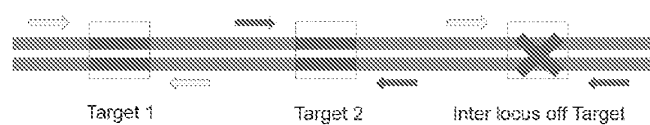
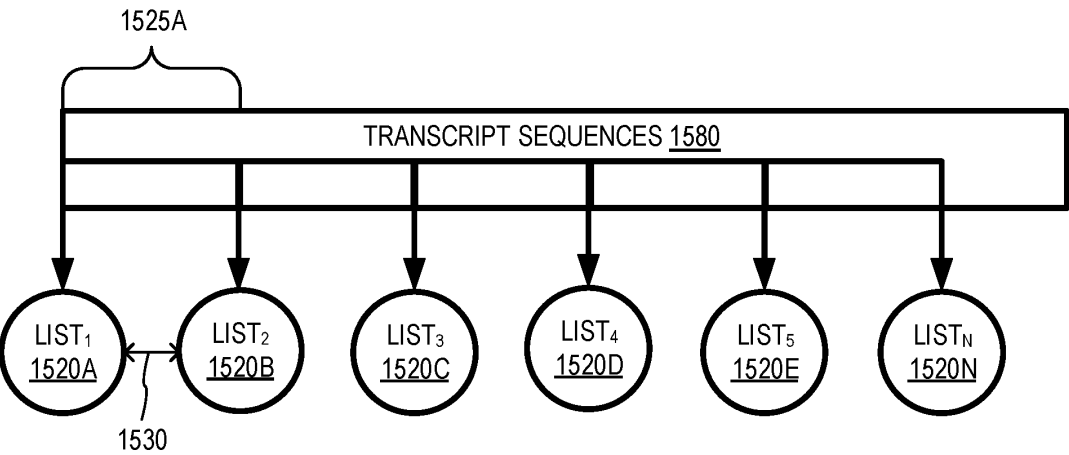
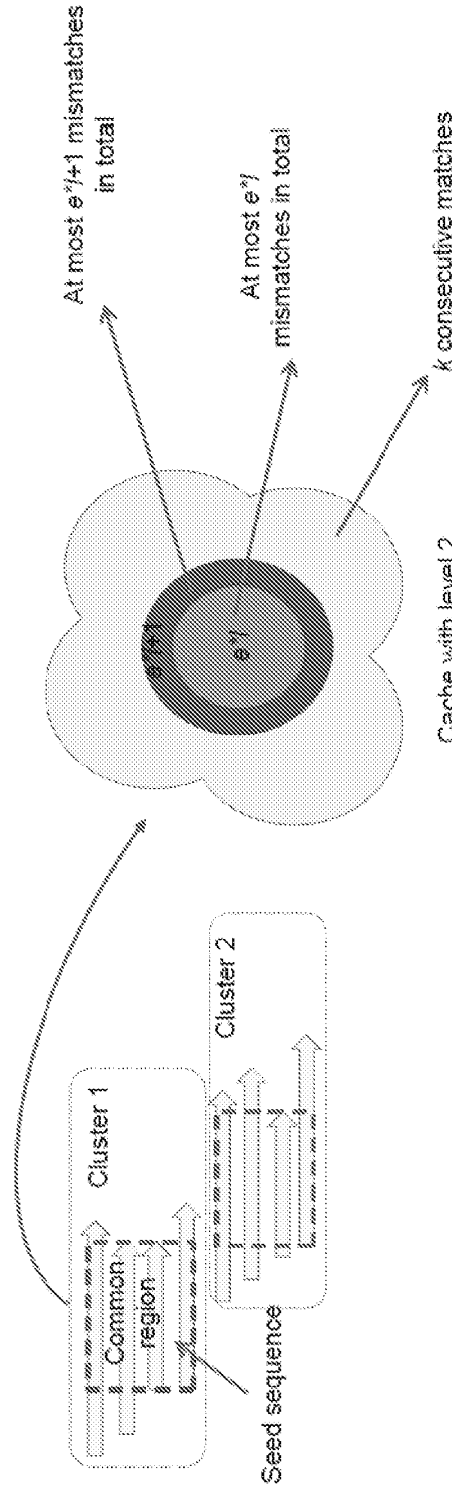


FIG. 14



1500

FIG. 15



1600

FIG. 16

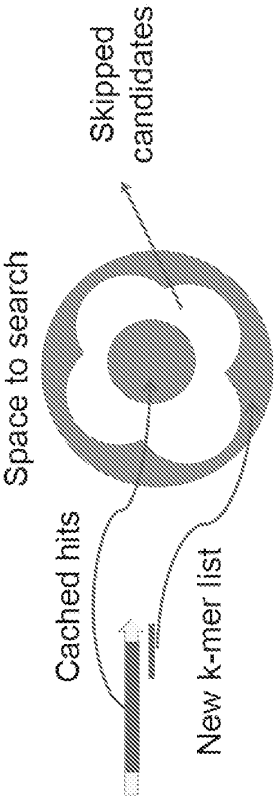
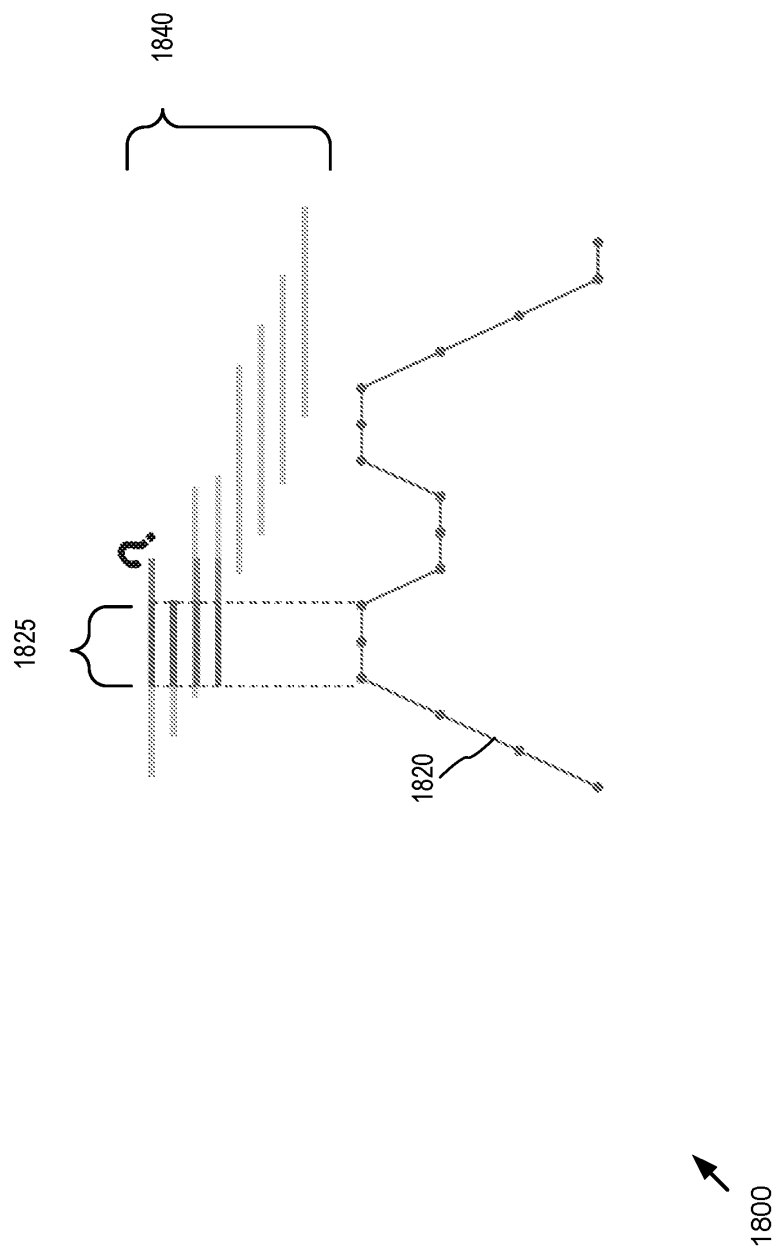


FIG. 17

1700



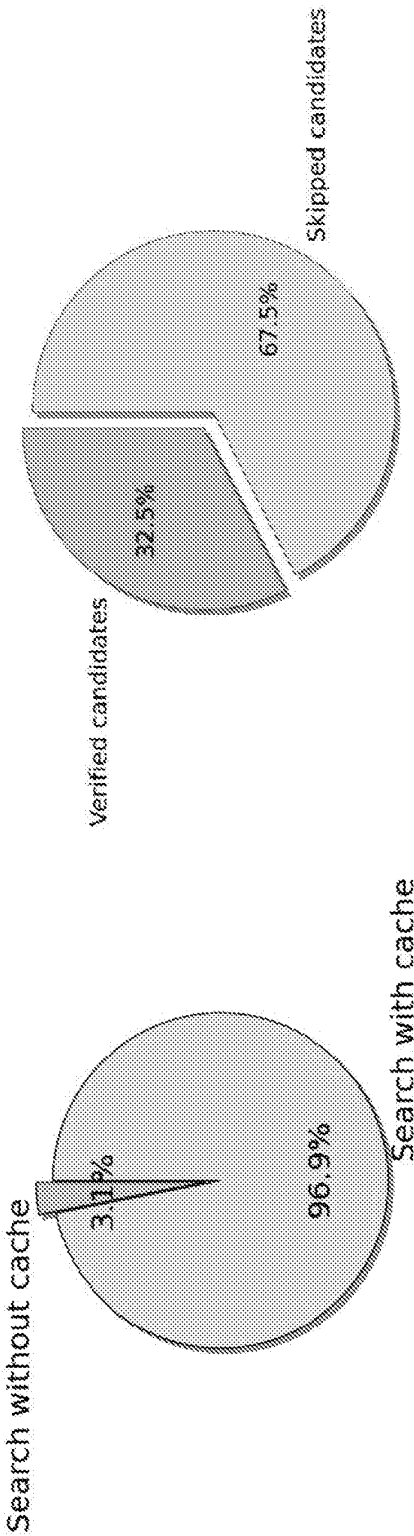


FIG. 19

1900

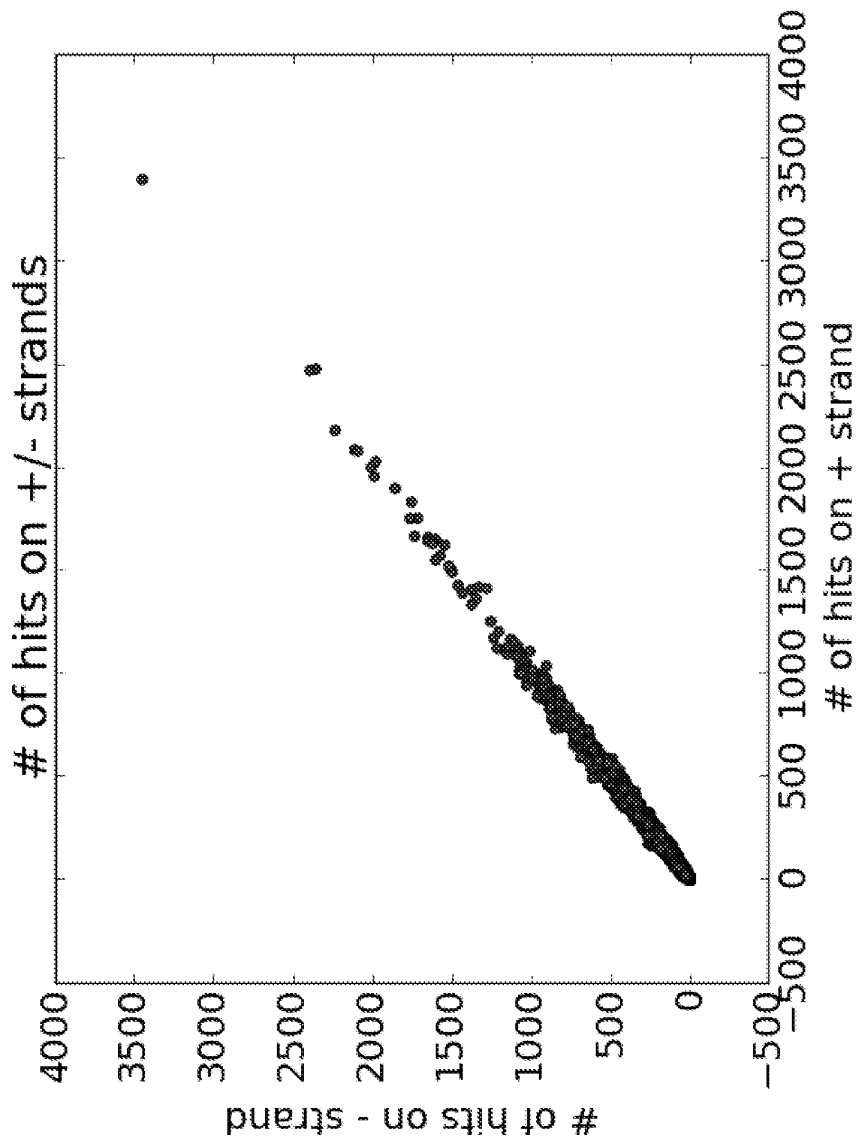


FIG. 20

2000
↗

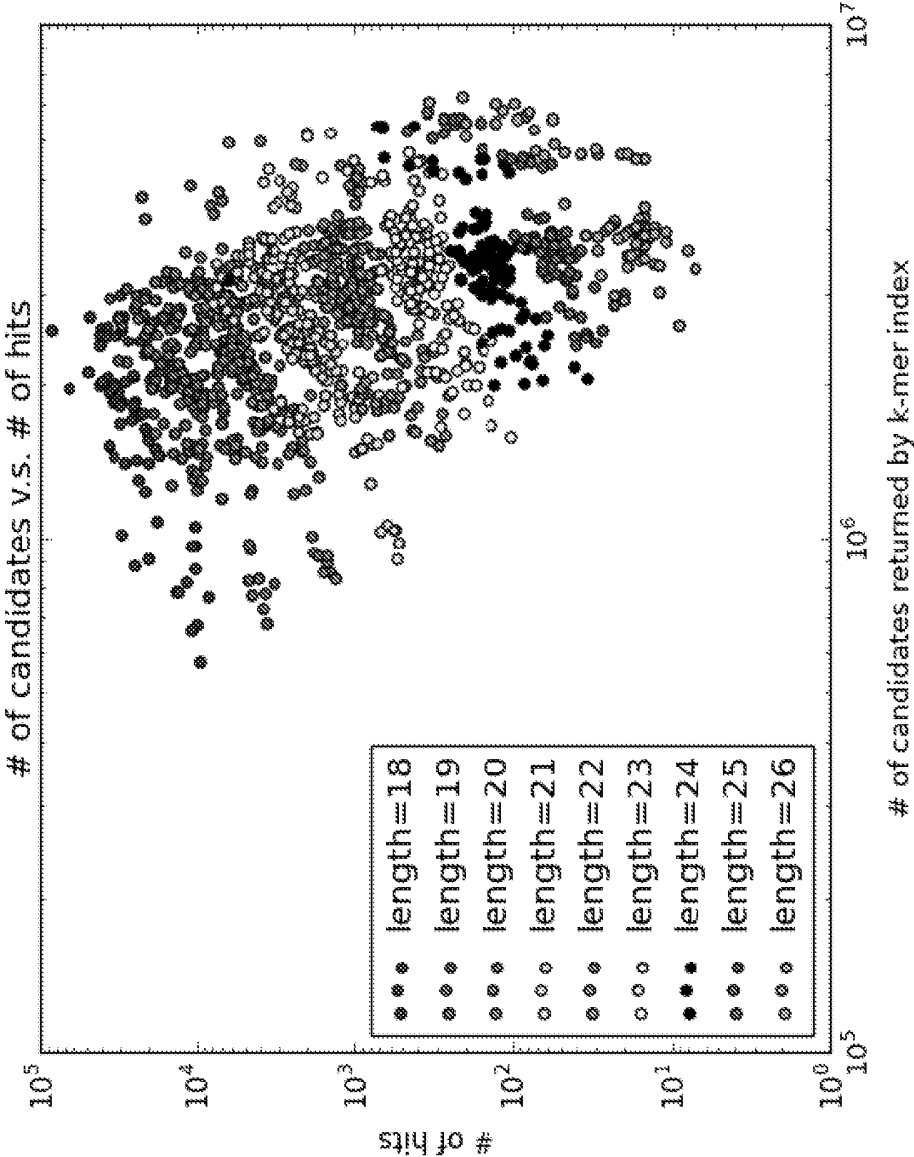
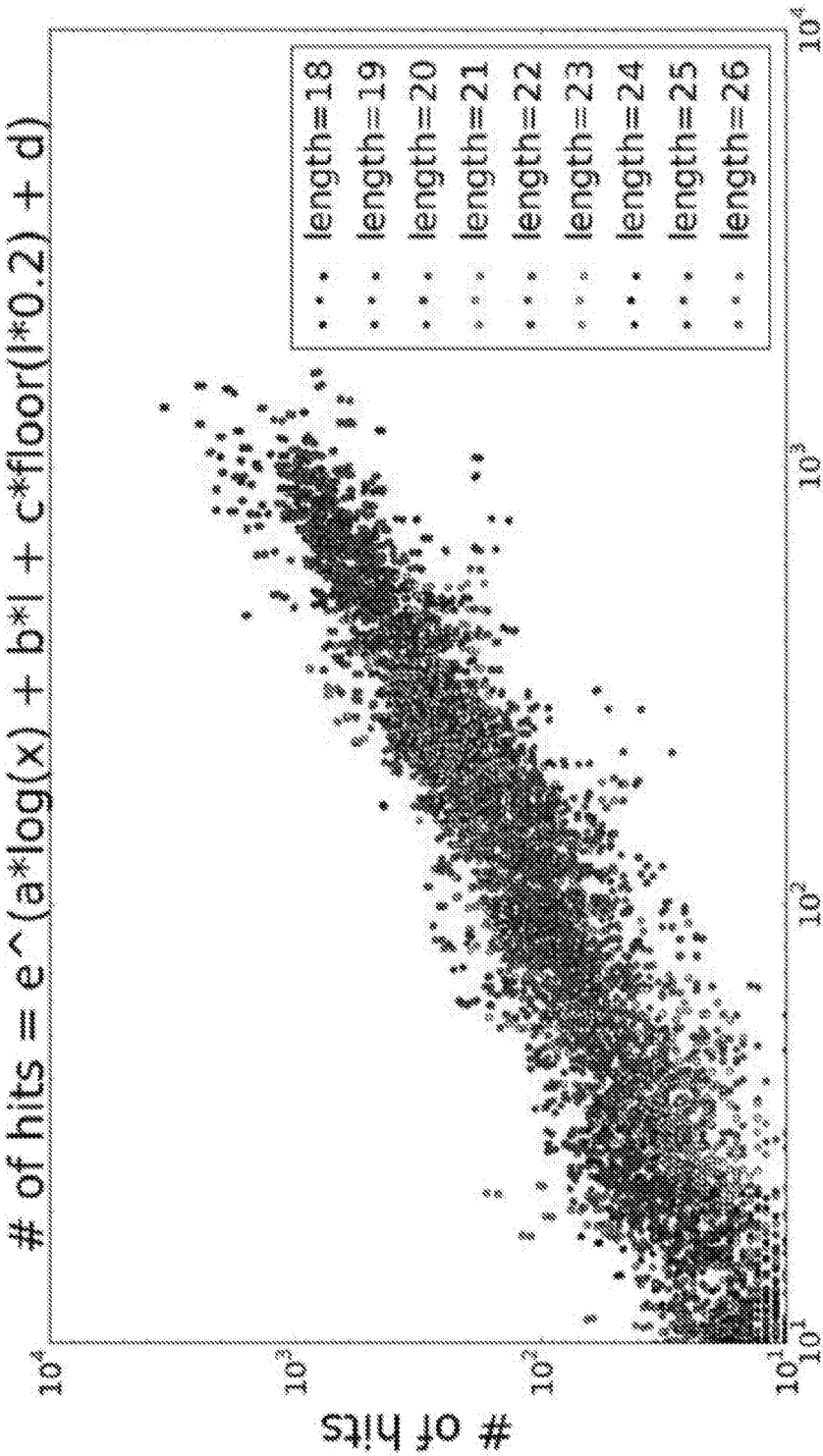


FIG. 21

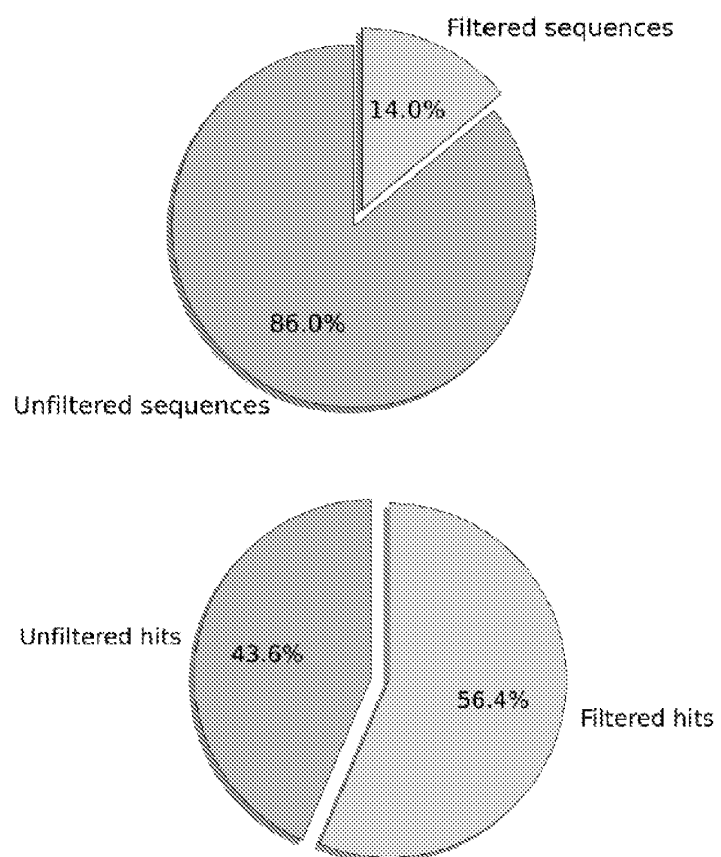
2100



2200

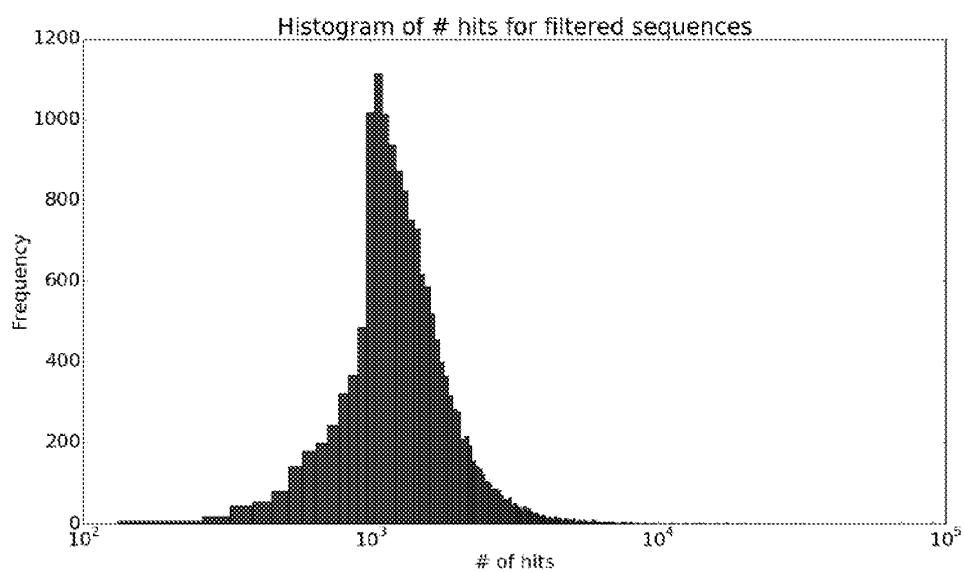
PREDICTED NUMBER OF HITS (MATCHES)

FIG. 22



2300

FIG. 23



2400

FIG. 24

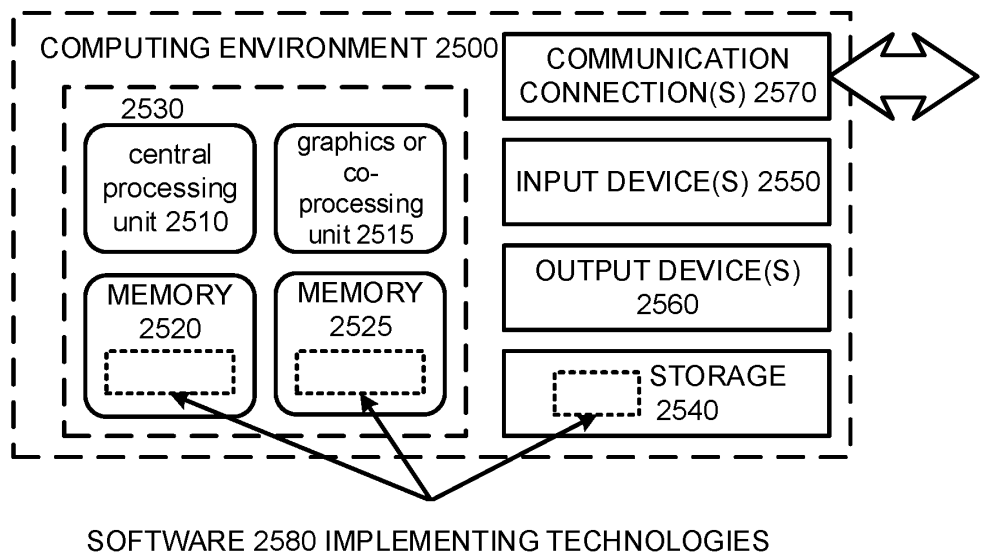


FIG. 25

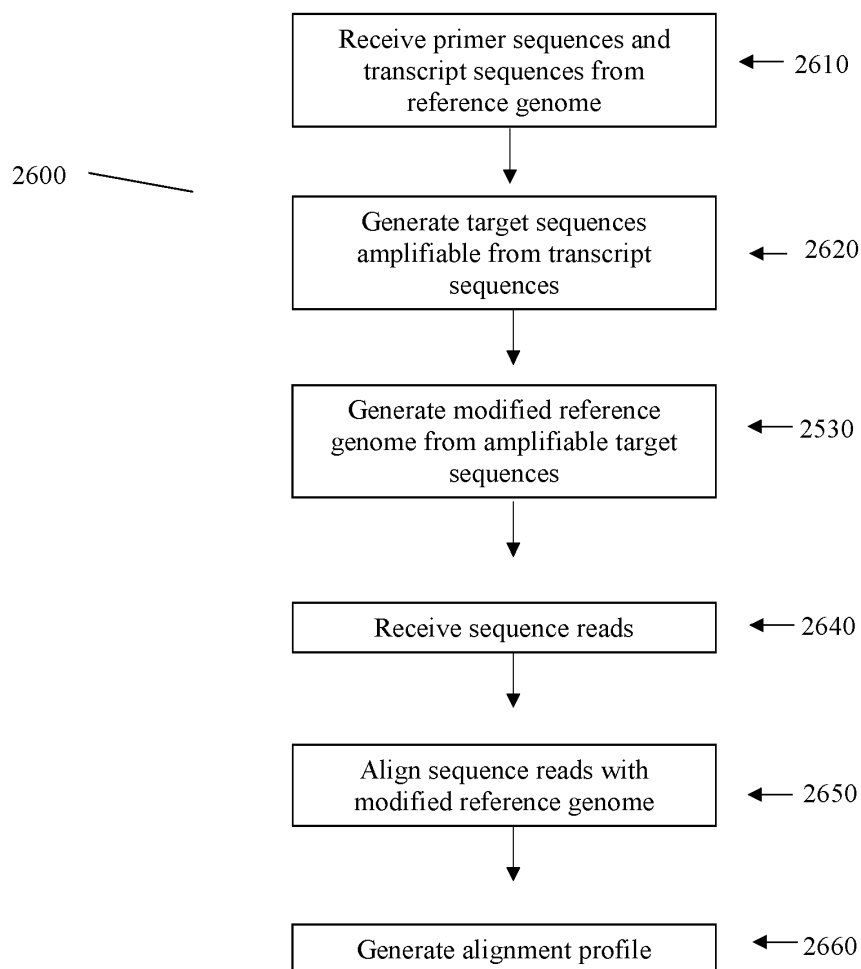


FIG. 26

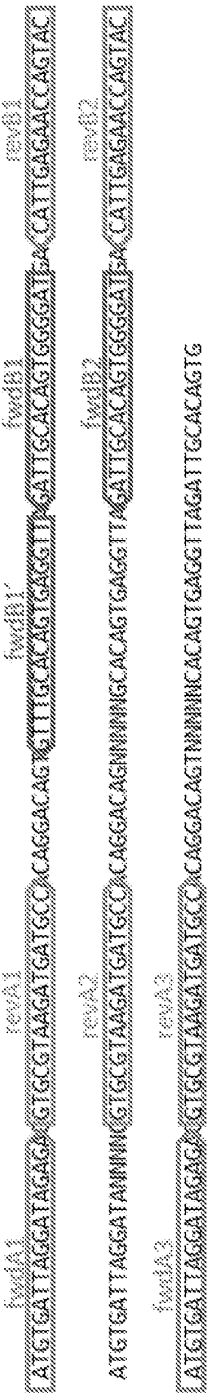
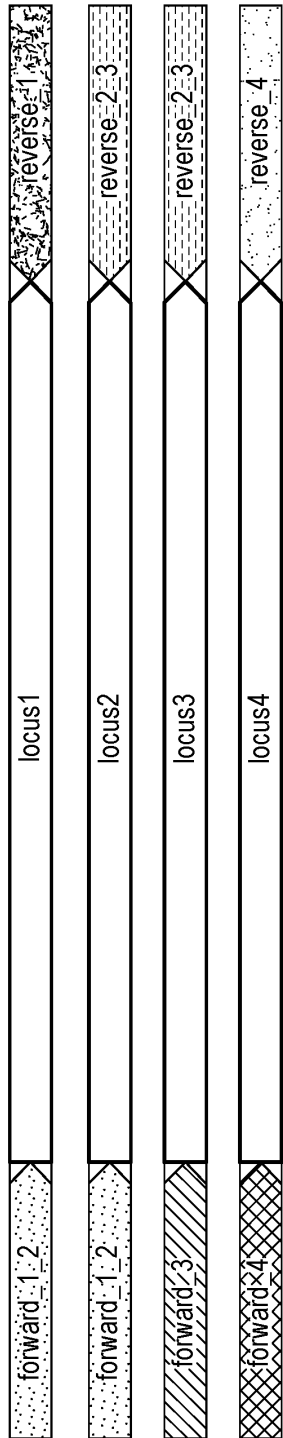


FIG. 27



forward	reverse	assigned forward locus	assigned reverse locus
forward_1_2	reverse_1	locus1	locus1
forward_1_2	reverse_2_3	locus2	locus2
forward_3	reverse_2_3	locus3	locus3
forward_4	reverse_4	locus4	locus4
forward_3	reverse_1	locus3	locus1
forward_4	reverse_2_3	locus4	locus2*
forward_1_2	reverse_4	locus1*	locus4

* conflict: pick first in alphabetical order

FIG. 28

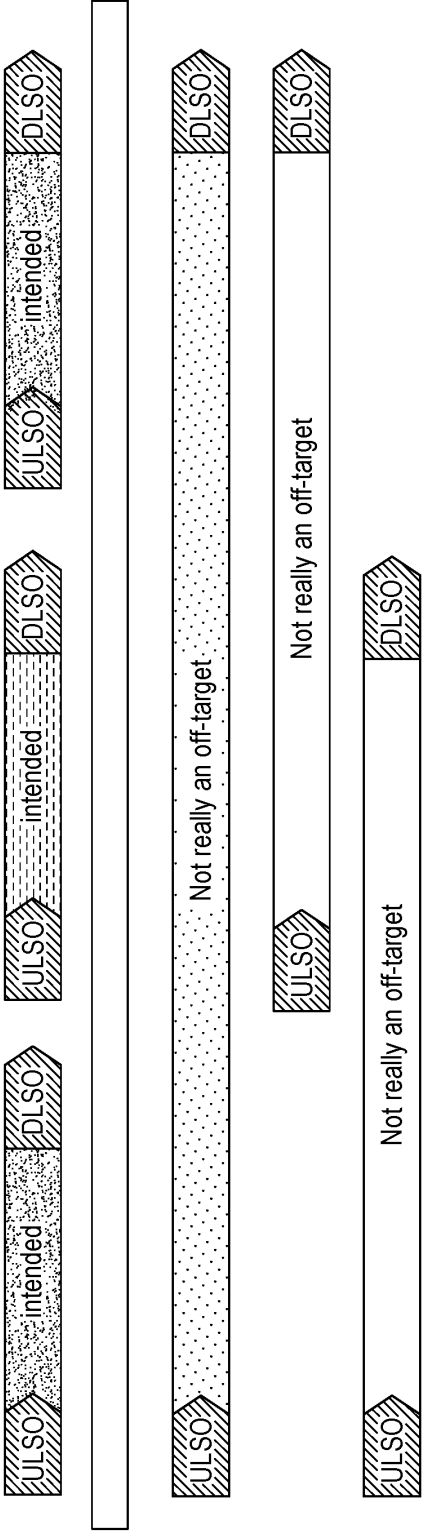
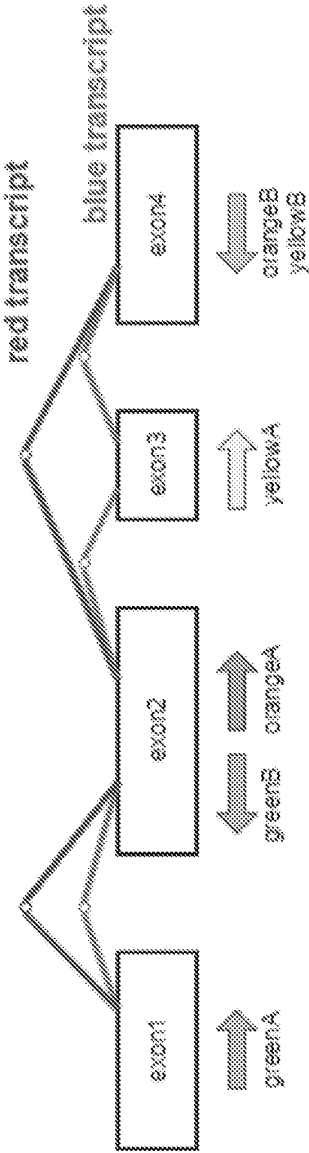


FIG. 29



In the above diagram, we would have the following intended products:

ProbeA	ProbeB	Transcripts
green	green	red, blue
orange	orange/yellow	red
orange	orange/yellow	blue
yellow	orange/yellow	blue

FIG. 30

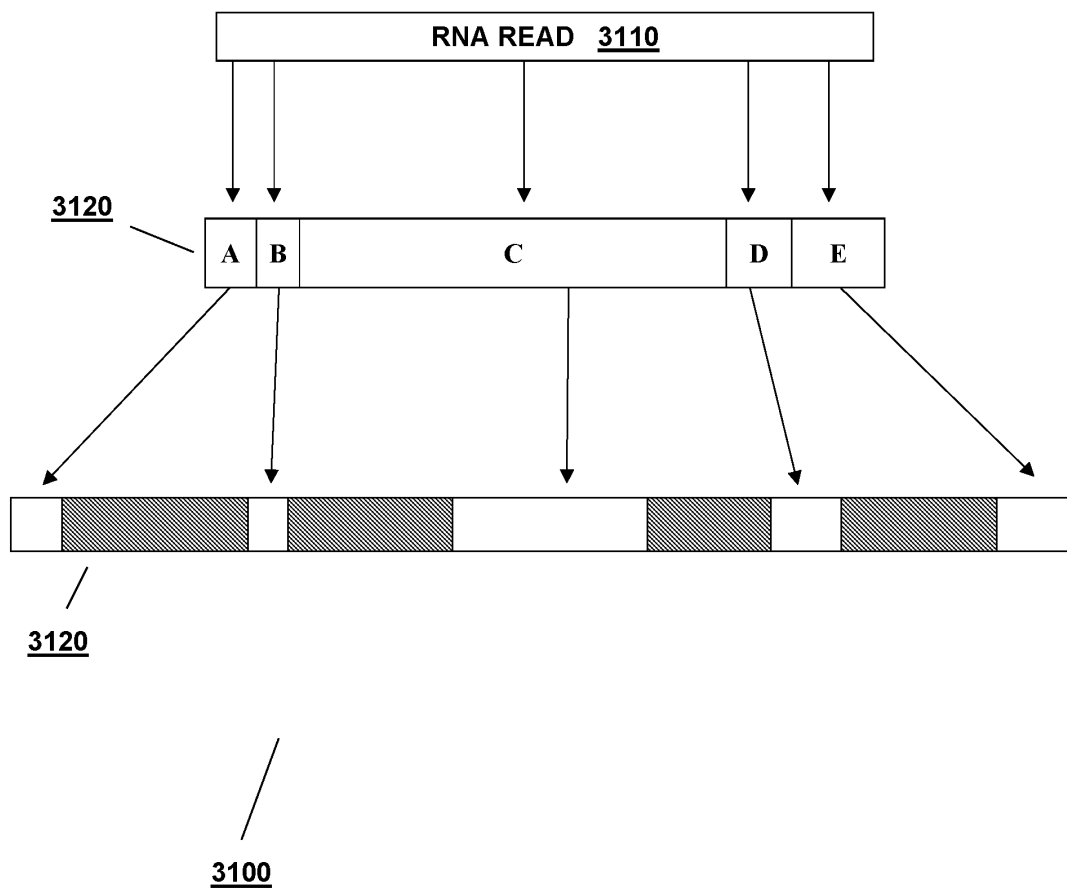


FIG. 31

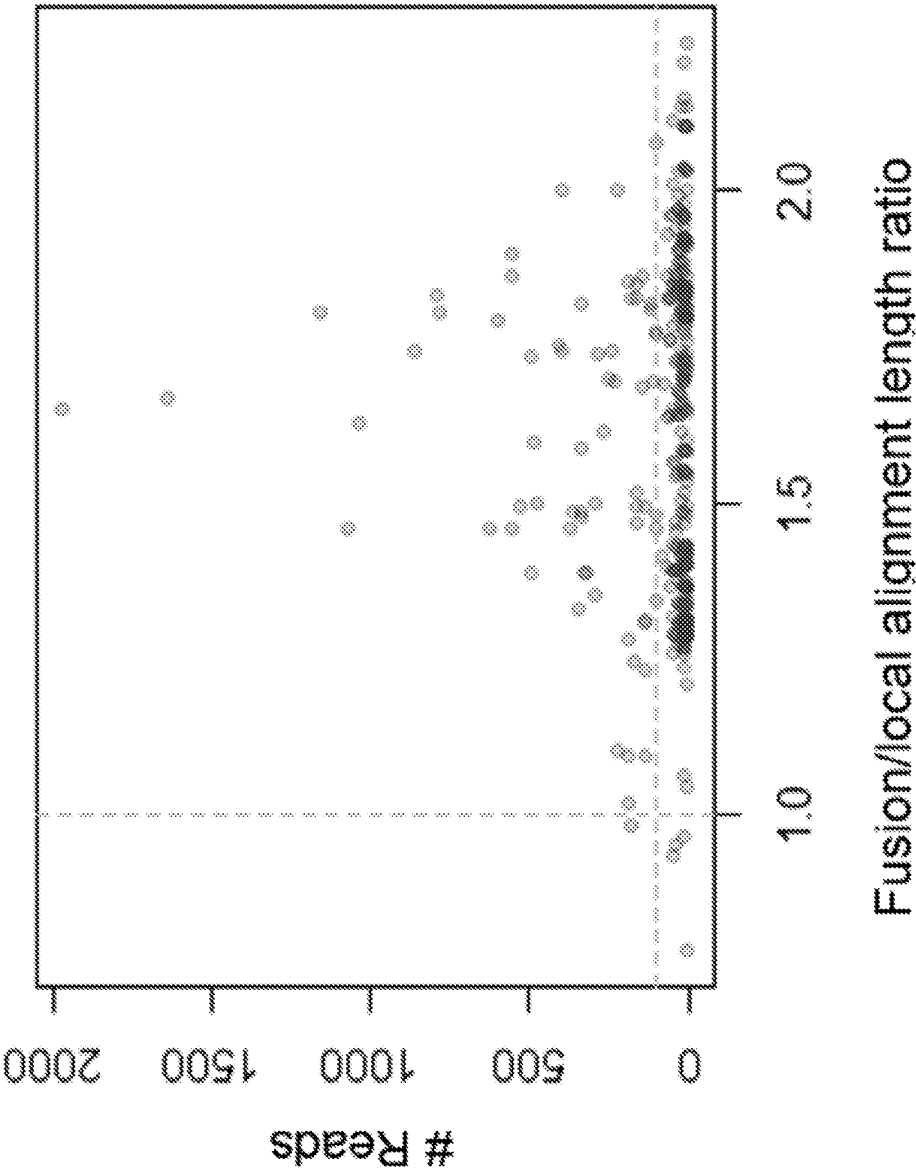


FIG. 32