

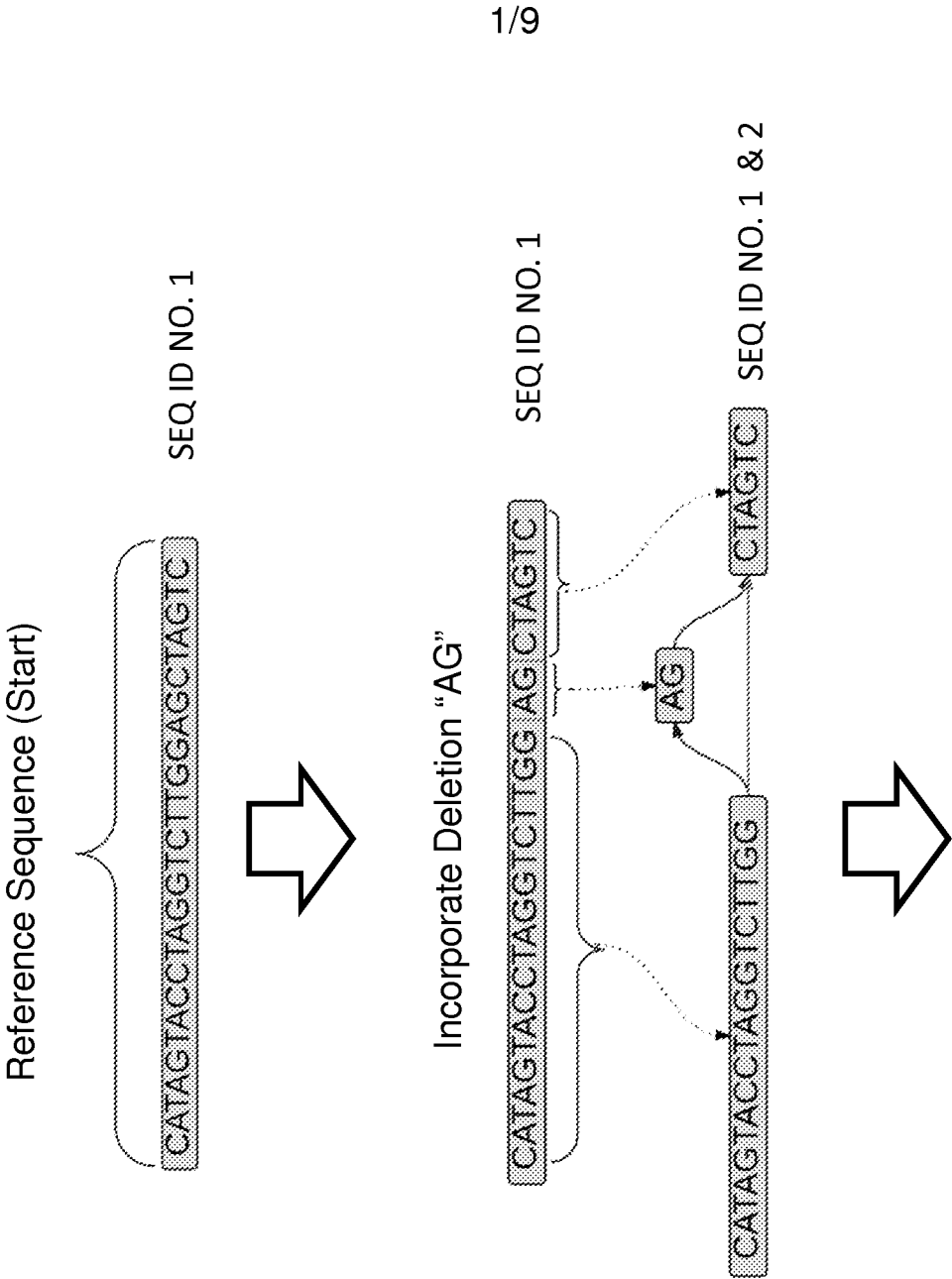


FIG. 1(A)

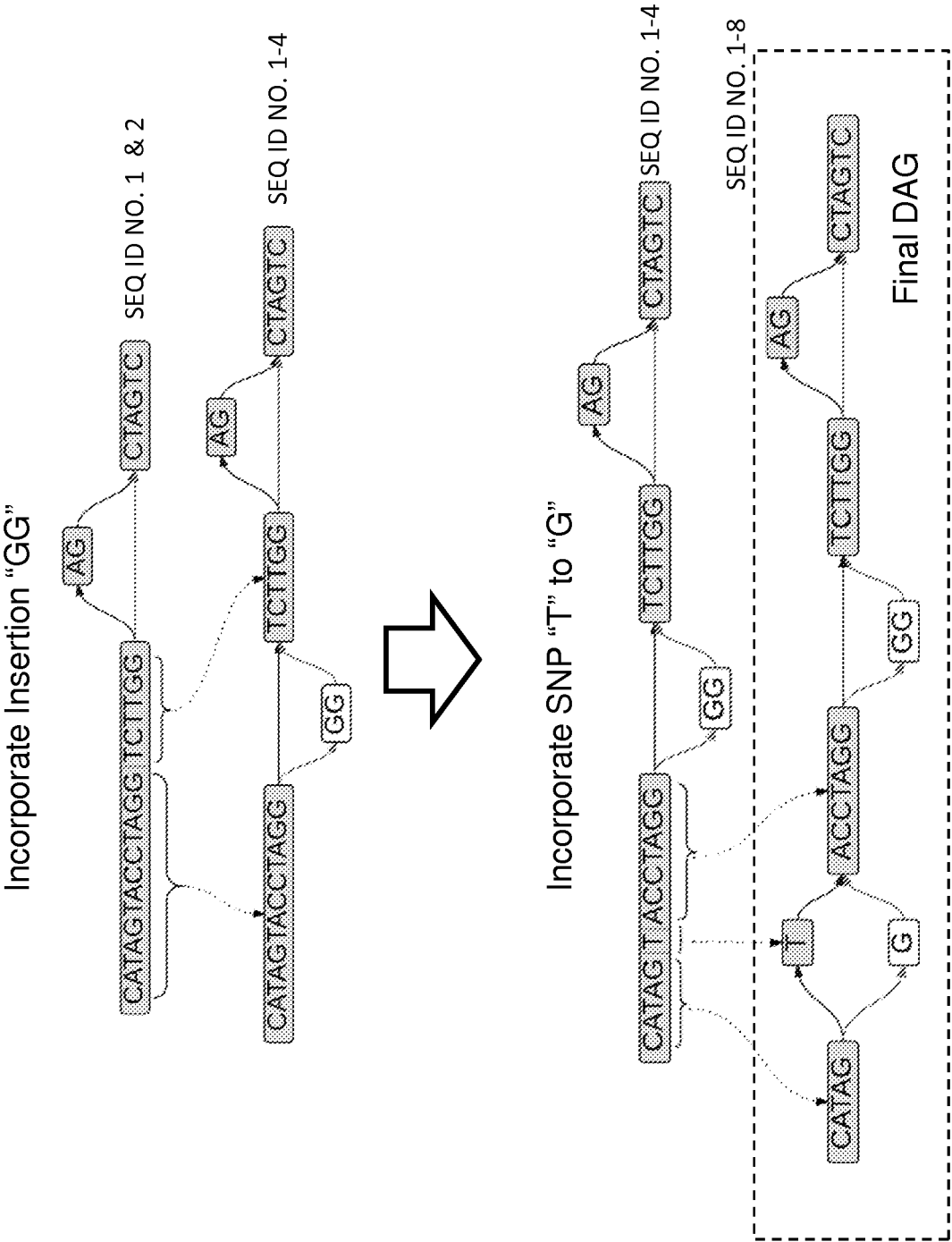


FIG. 1(B)

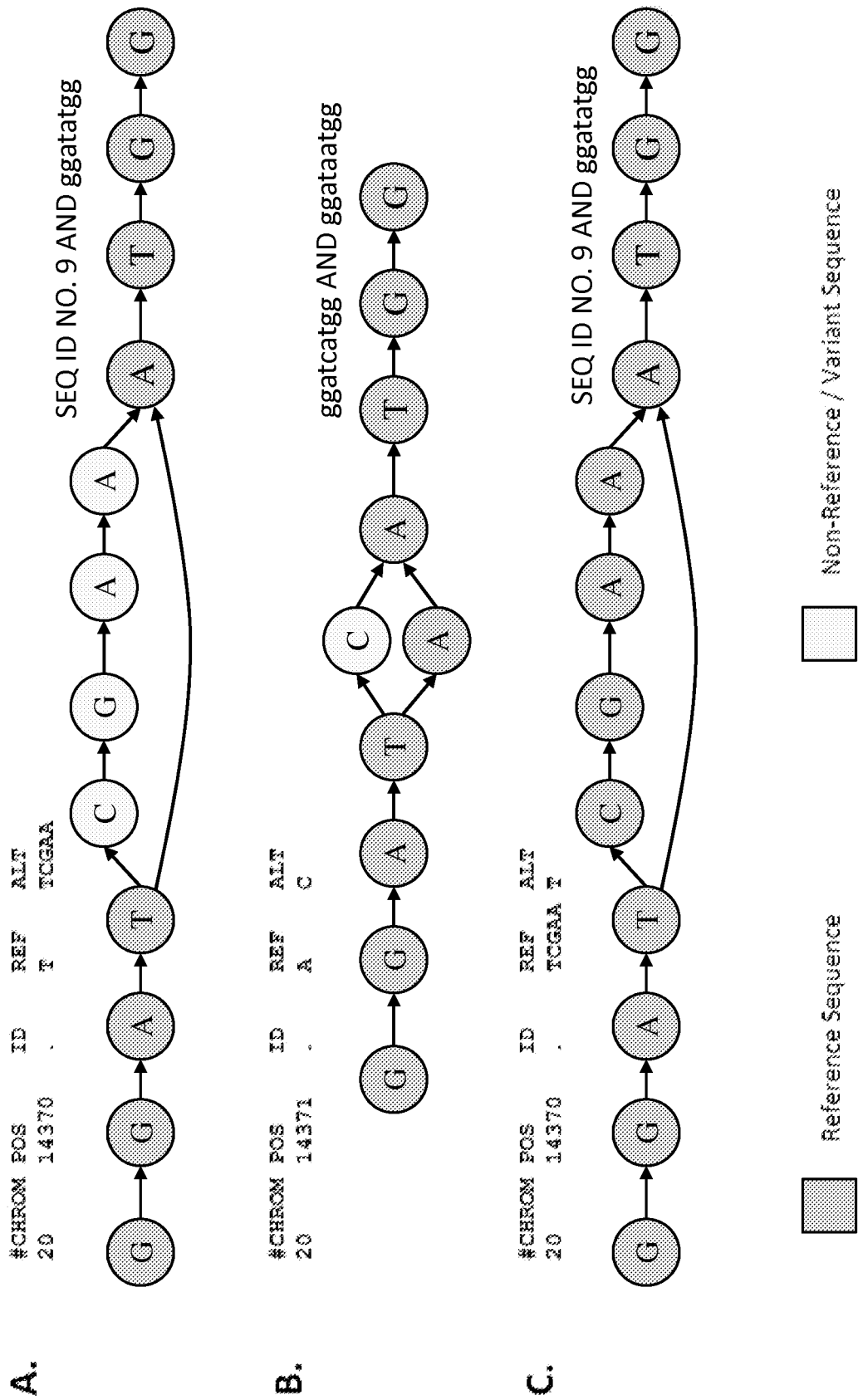


FIG. 2

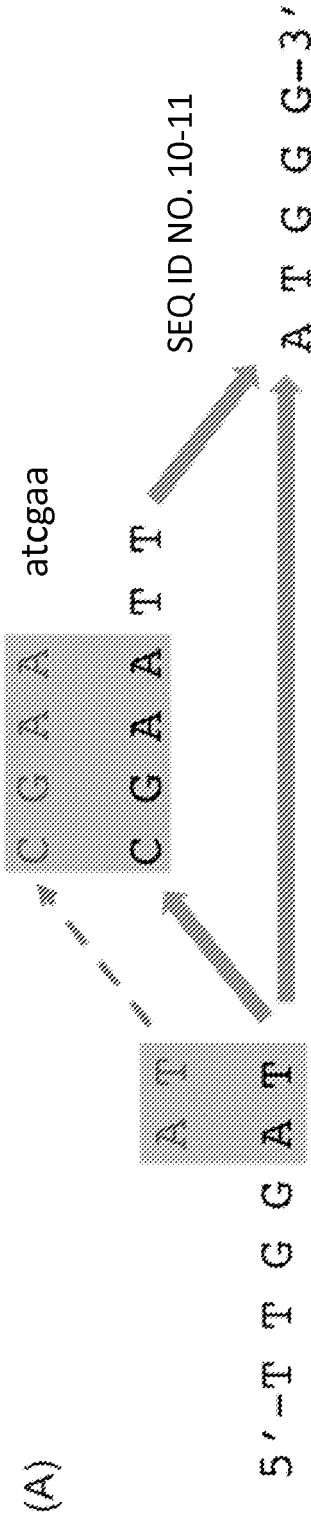
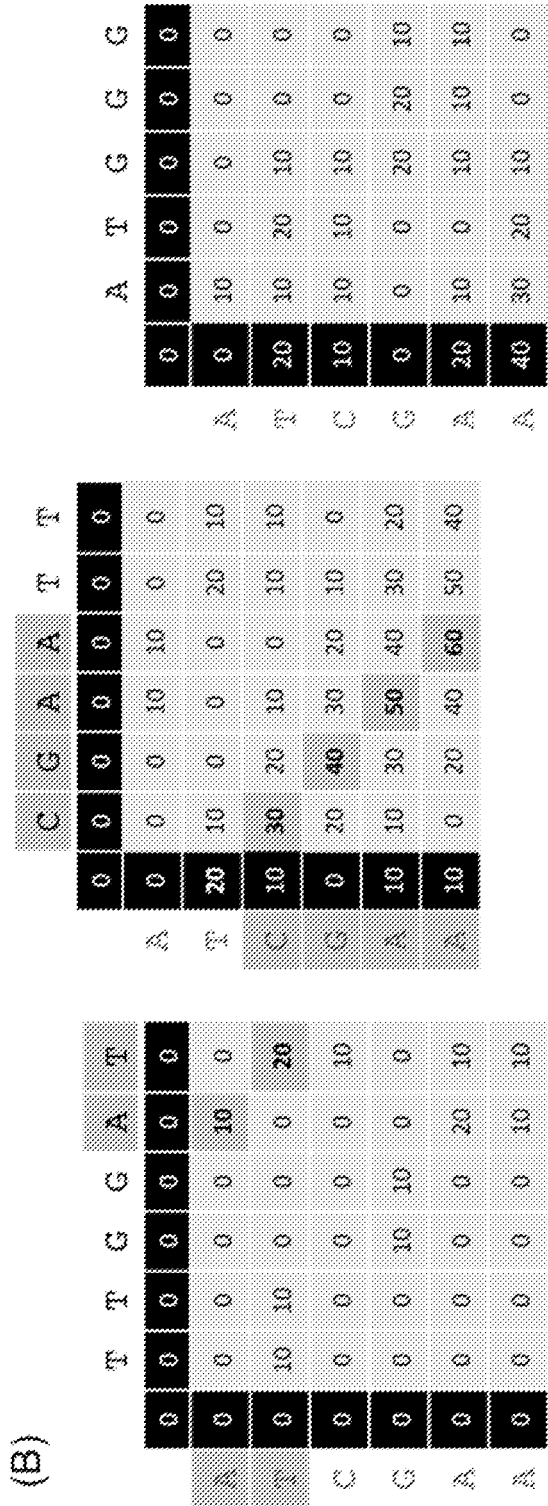


FIG. 3

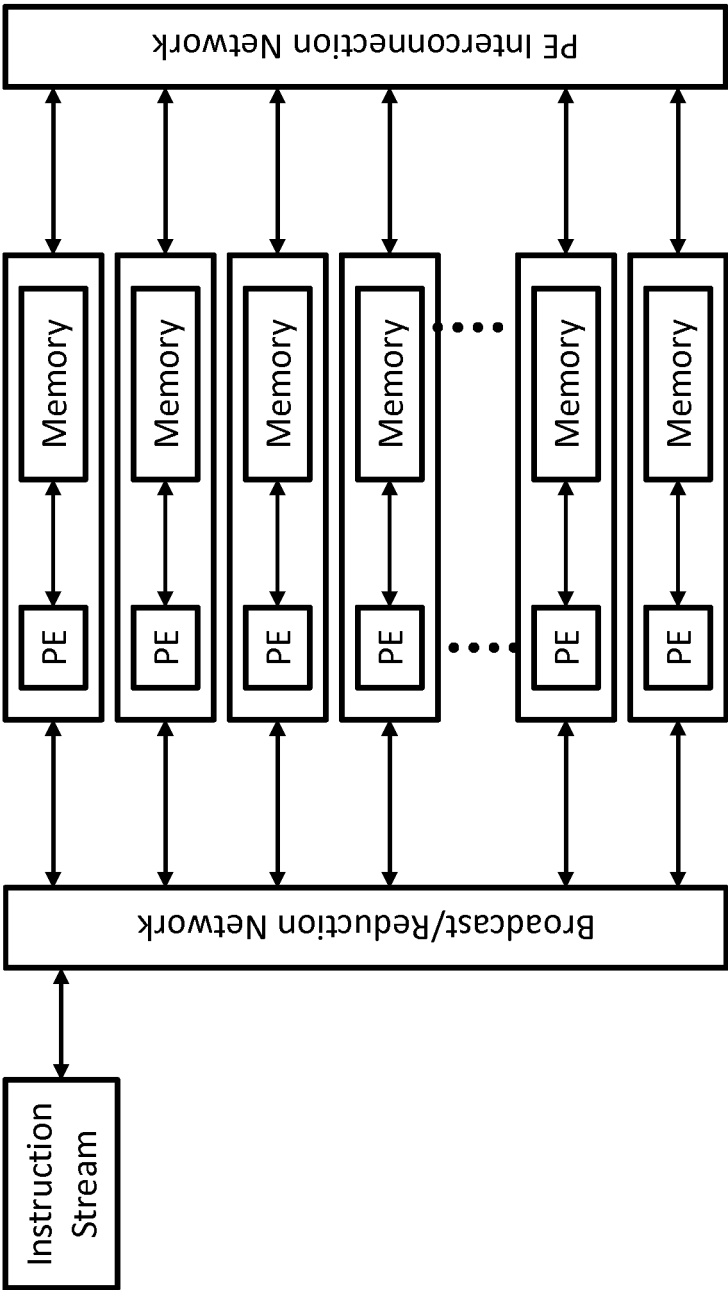


FIG. 4

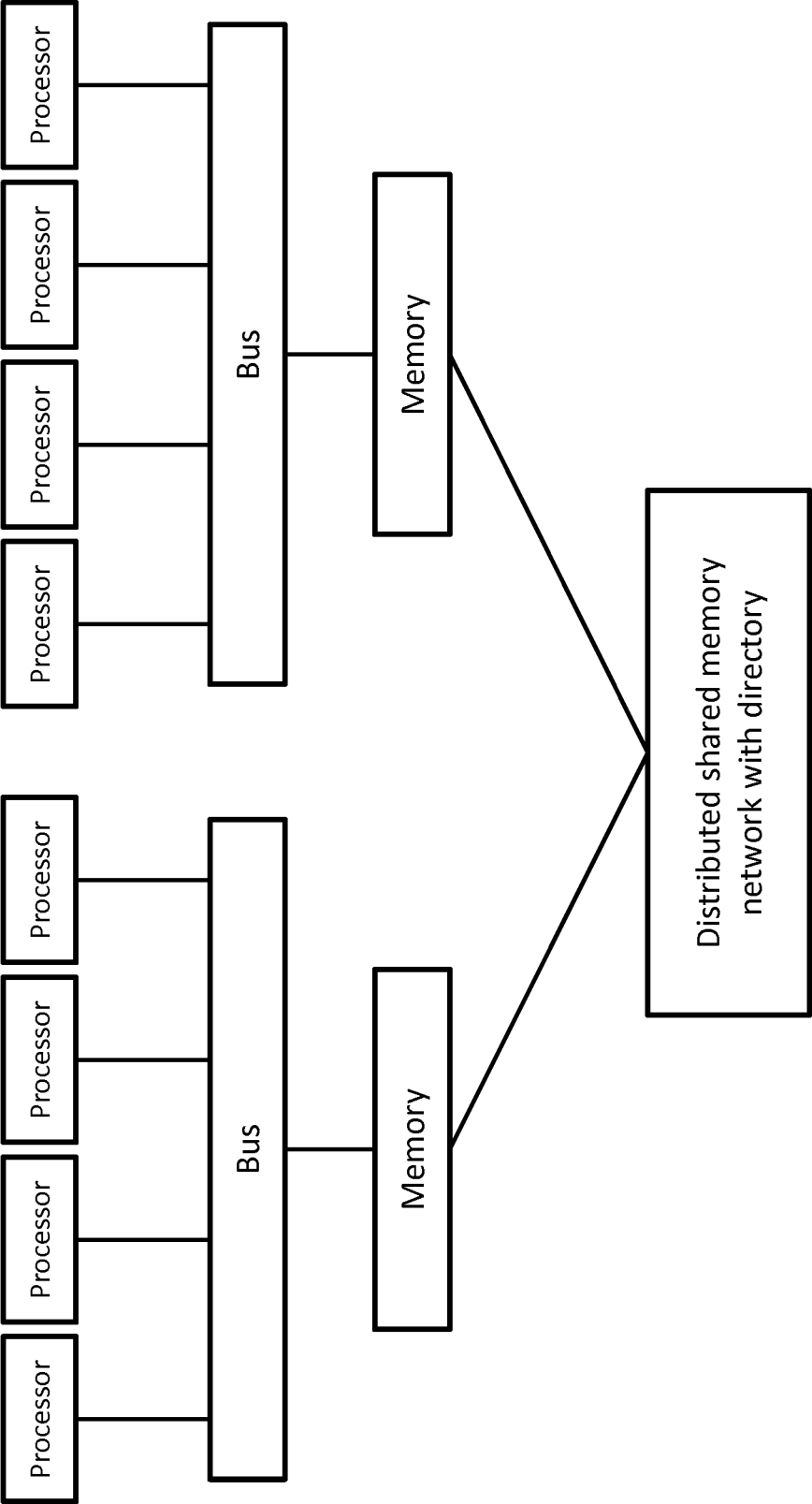


FIG. 5

FIG. 6A

Hypothetical Sequences

S	GGGGCTTATCCTGCGTCCCAGGGCGAGGACCGCTTGGGTTCGAATCTGGG	20 th ↓	23 rd ↓	26 th ↓	34 th ↓	50 th ↓	SEQ ID NO. 14
S*	GGGGCTTATCCTGCGTCCCAGGGCGCTTATGATGAATGTCGACAATGCAA						SEQ ID NO. 15
S**	GGGGCTTATCCTGCGTCCCAGGTCGCTTATGATGAATGTCGACAATGCAA						SEQ ID NO. 16

Read 1 of S**

AGGTCGCTTATGATG SEQ ID NO. 17

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FIG. 6B

Alignment of Read 1 to Linear Reference Sequence

Read 1 of S**

AGGTCGCTTATGATG SEQ ID NO. 17

S	GGGGCTTATCCTGCGTCCCAGGGCGAGGACCGCTTGGGTTCGAATCTGGG	SEQ ID NO. 14
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FIG. 6C

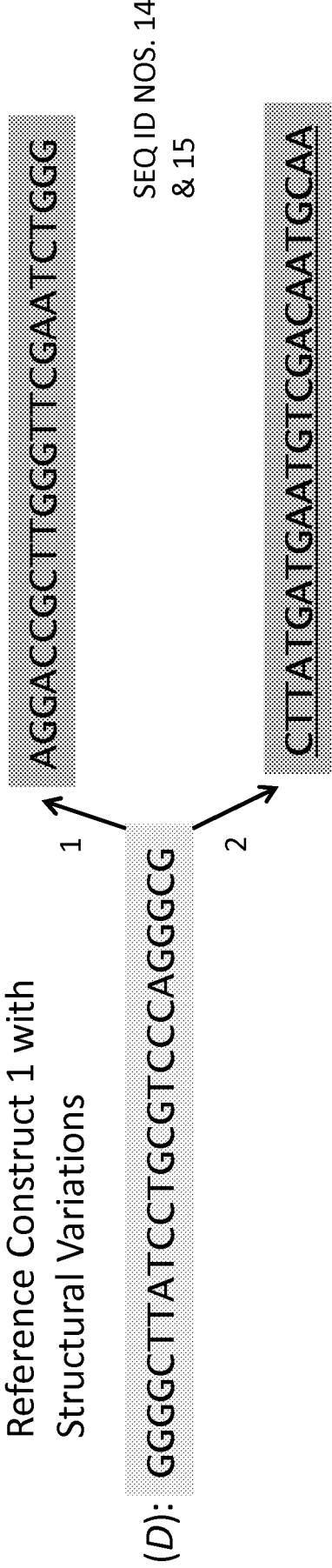


FIG. 6D

Alignment of Read 1 to Reference Construct 1

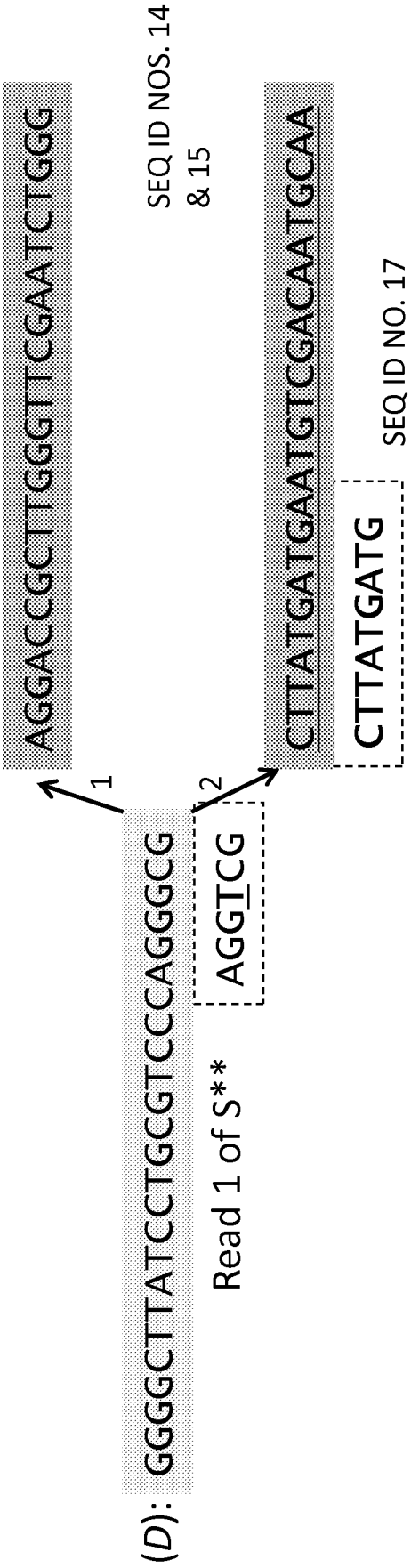


FIG. 6E

Reference Construct 2
with Rare Variant and
Structural Variation

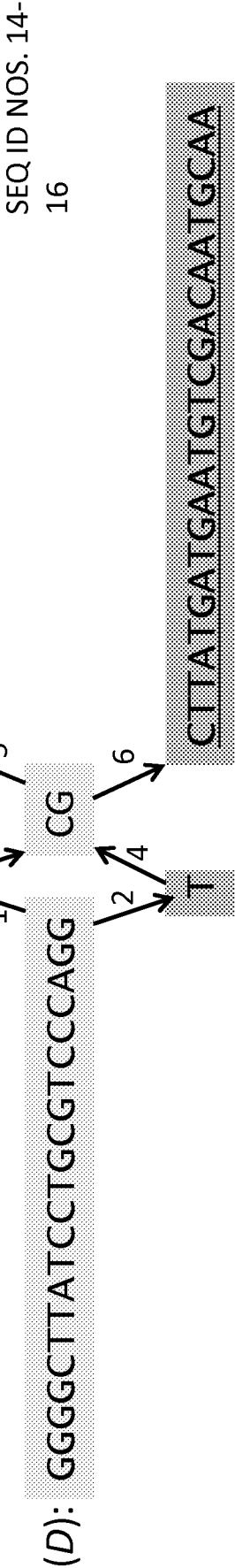


FIG. 6F

Alignment of Read 1 to Reference Construct 2

