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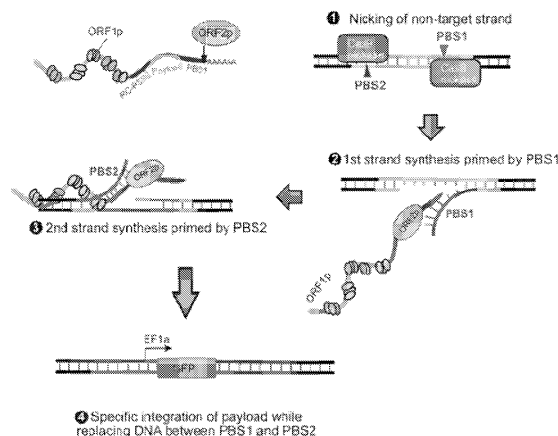


FIG. 16C

(57) Abstract: Methods and compositions for modulating a target genome and stable integration of a transgene of interest into the genome of a cell are disclosed. Specifically, provided herein comprises compositions comprising an RNA molecule comprising a reverse complement sequence comprising an exogenous sequence and homology arms, an RNA molecule comprising an endonuclease, and one or more guide RNAs for specific genomic integration of the exogenous sequence.

[Continued on next page]

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