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(71) Applicant: **ARBOR BIOTECHNOLOGIES, INC.** [US/US]; 20 Acorn Park Drive, Suite 500, Cambridge, Massachusetts 02140 (US).

(72) Inventors: **ALFONSE, Lauren E.**; c/o Arbor Biotechnologies, Inc., 20 Acorn Park Drive, Suite 500, Cambridge, Massachusetts 02140 (US). **MABEN, Zachary John**; c/o Arbor Biotechnologies, Inc., 20 Acorn Park Drive, Suite 500, Cambridge, Massachusetts 02140 (US). **TORGERSON, Chad David**; c/o Arbor Biotechnologies, Inc., 20 Acorn Park Drive, Suite 500, Cambridge, Massachusetts 02140 (US). **WATTERS, Kyle Edward**; c/o Arbor Biotechnologies, Inc., 20 Acorn Park Drive, Suite 500, Cambridge, Massachusetts 02140 (US).

(74) Agent: **CHEN, Yahua**; c/o Mintz Levin, One Financial Center, Boston, Massachusetts 02111 (US).

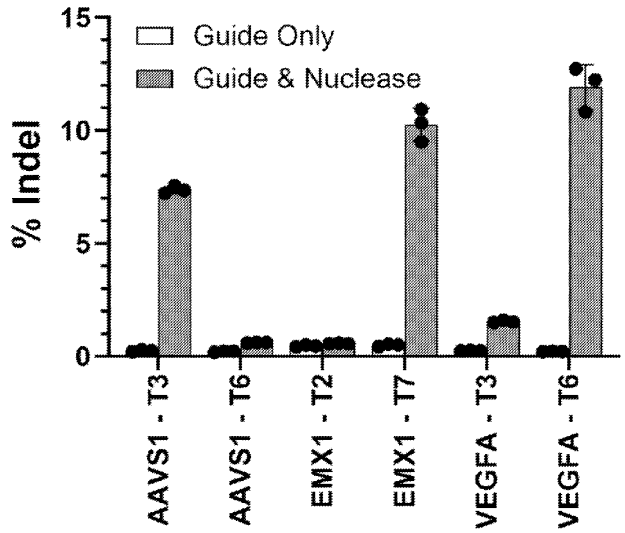
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(54) Title: REVERSE TRANSCRIPTION-MEDIATED GENE EDITING SYSTEMS AND USES THEREOF

FIG. 1



(57) Abstract: A gene editing system comprising (a) a fusion polypeptide comprising a CRISPR nuclease and a reverse transcriptase, or a nucleic acid encoding the fusion polypeptide, and (b) an RNA molecule comprising a guide RNA and a reverse transcription donor RNA, or a nucleic acid encoding the RNA molecule. Also provided herein are methods of using the gene editing system for modifying target genes of interest.

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