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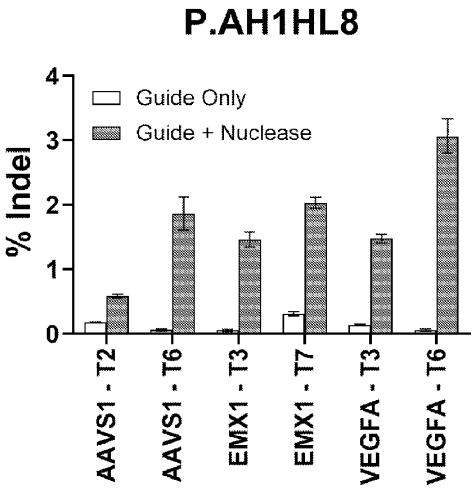
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(54) Title: REVERSE TRANSCRIPTION-MEDIATED GENE EDITING SYSTEMS AND USES THEREOF

FIG. 1



(57) Abstract: A gene editing system comprising (a) a fusion polypeptide comprising an RNA-guided 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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