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(54) Title: ENGINEERED CRISPR-CAS PROTEINS AND METHODS OF USE THEREOF

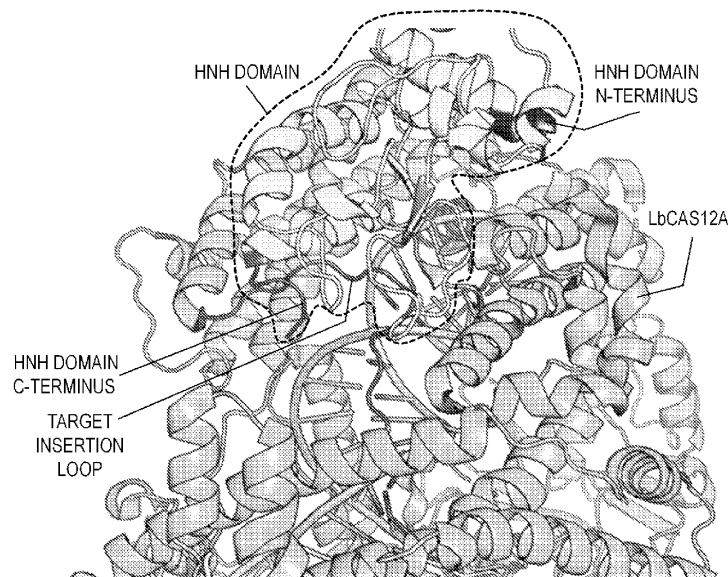


FIG. 5

(57) Abstract: Described herein are engineered CRISPR-Cas proteins and methods of use of such proteins. In particular Type V CRISPR-Cas nucleases, like Cas12a, having a nuclease or nickase domain from a non-type V CRISPR-Cas nuclease inserted in the interdomain linker region between the Rec1 and Rec2 domains. Also described herein are complexes, compositions, and systems including engineered proteins of the present invention, each of which may be used for modifying or editing a target nucleic acid. An engineered protein of the present invention may be an enzyme and/or may be an RNA-guided DNA-binding protein.

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