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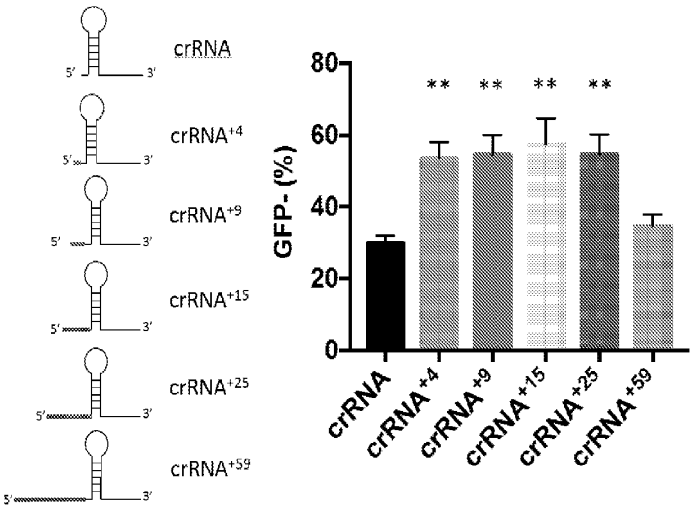
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(54) Title: MODIFIED CPF1 GUIDE RNA

FIG. 2



(57) Abstract: The invention provides a nucleic acid comprising a Cpf1 crRNA, a processing sequence 5' of the Cpf1 crRNA, and an extension sequence 5' of the processing sequence. The invention also provides a composition comprising the nucleic acid, a carrier, and optionally Cpf1. Additionally, the invention provides method of genetically modifying a eukaryotic target cell, comprising contacting the eukaryotic target cell with the nucleic acid or the composition to genetically modify a target nucleic acid in the cell.

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