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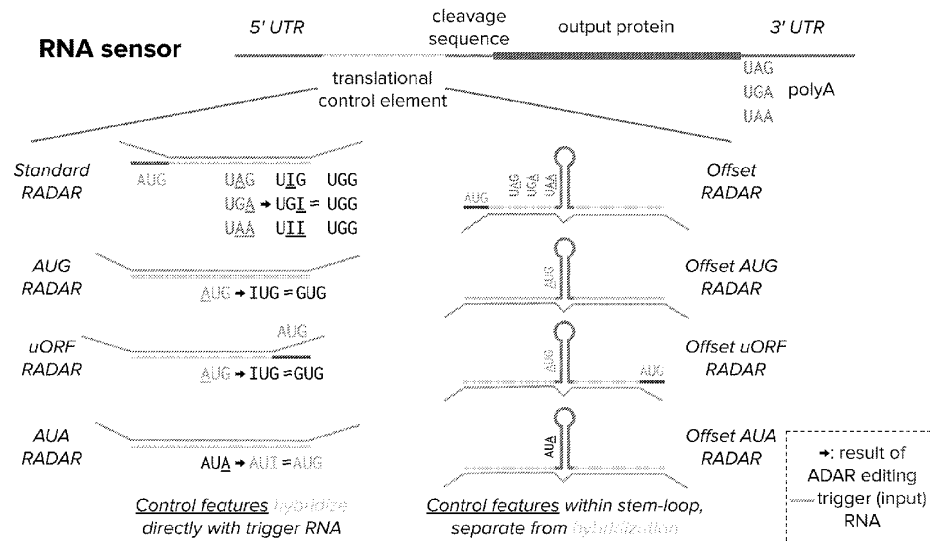
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FIG. 26



(57) Abstract: A method for expressing a protein in a target cell, the method comprising combining the target cell with a sensor RNA comprising the following: (ia) a first nucleotide sequence comprising a sensor nucleotide sequence that is reverse complementary to the target RNA wherein the sensor nucleotide sequence comprises a stem-loop sequence comprising one or more editable codons, and/or (ib) a first nucleotide sequence comprising a sensor nucleotide sequence that is reverse complementary to the 3' UTR of the target RNA, wherein the sensor nucleotide sequence comprises one or more editable codons, and (ii) a second nucleotide sequence encoding a first cleavage domain, and (iii) a third nucleotide sequence encoding an output protein; wherein the target RNA is present in the target cell.

[Continued on next page]

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