ABSTRACT

GENE EDITING USING A MODIFIED CLOSED-ENDED DNA (CEDNA)

The application describes ceDNA vectors having linear and continuous structure for gene editing. ceDNA vectors comprise an expression cassette flanked by two ITR sequences, where the expression cassette encodes a gene editing molecule. Some ceDNA vectors further comprise cis-regulatory elements, including regulatory switches. Further provided herein are methods and cell lines for reliable gene editing using the ceDNA vectors.

FIG.8