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(54) Title: MEGANUCLEASES VARIANTS CLEAVING A DNA TARGET SEQUENCE IN THE NANOG GENE AND USES THEREOF

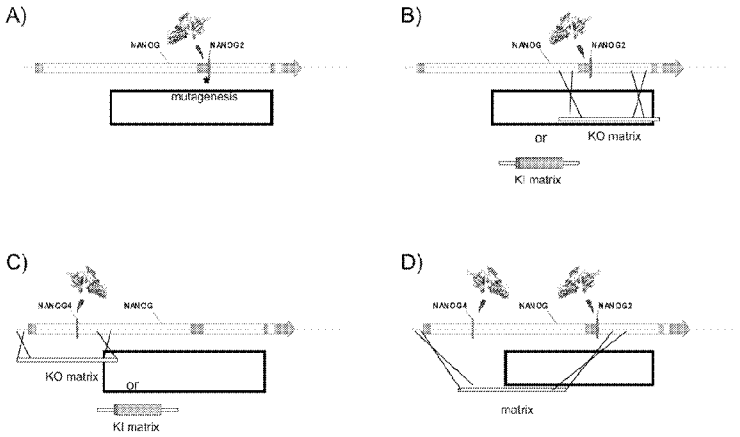


Figure 1

(57) Abstract: Meganuclease variants cleaving DNA target sequences of the NANOG gene, vectors encoding such variants, and cells expressing them. Methods of using meganuclease variants recognizing NANOG gene sequences for modifying the NANOG gene sequence or for incorporating a gene of interest or therapeutic gene using the NANOG gene as a landing pad and a safe harbor locus.

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