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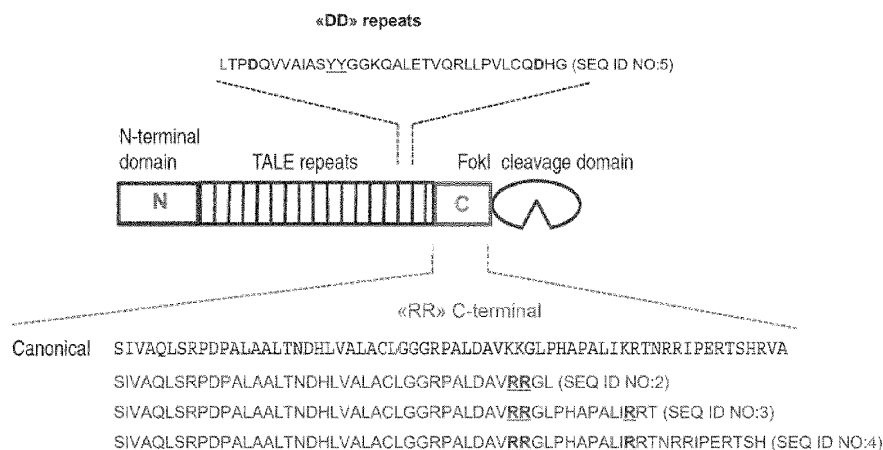


Figure 1

(57) Abstract: The present invention relates to the design of improved TALE protein fusions useful as sequence-specific genomic reagents, such as TALE-nucleases and TALE base editors, displaying higher on-target/off-target activity ratios. Its goal is to produce safer reagents to genetically modify the genomes of different types of cells, especially mammalian cells, in particular for their use in gene therapy.

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