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(54) **Title:** TARGETED NUCLEOTIDE EXCHANGE WITH IMPROVED MODIFIED OLIGONUCLEOTIDES

(57) **Abstract:** A method and oligonucleotides for targeted nucleotide exchange of a duplex DNA sequence, wherein the donor oligonucleotide contains at least two modified nucleotides, at least one of which is a propynylated purine and/or pyrimidine and at least one of which is a LNA having a higher binding affinity compared to naturally occurring A, C, T or G and/or binds stronger to a nucleotide in an opposite position in the first DNA sequence as compared to a naturally occurring nucleotide complementary to the nucleotide in the opposite position in the first DNA sequence.