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(54) Title: METHOD FOR PRODUCING POLYNUCLEOTIDES WITH DESIRED PROPERTIES

(57) Abstract

The invention provides methods for the production of polynucleotides with a desired property (e.g., conferring a desired phenotype and/or encoding polypeptide with a desired property) which is selectable or can be screened for. The method includes making insertions and/or deletions at random sites in DNA segments in a population. In some embodiments the random insertions and deletions are made recursively.