

## Abstract

Provided is a vector. The vector comprises i) a replication origin; ii) a first terminator, iii) a) a target DNA sequence, comprising a DNA sequence capable of forming a non-B DNA conformation, or b) a target DNA expression cassette, comprising a promoter and a target DNA sequence, wherein the target DNA sequence comprises a DNA sequence capable of forming a non-B DNA conformation; iv) a second terminator; and v) a selectable marker and a promoter thereof, wherein in a replication direction, the replication origin is at least 150 bp apart from the DNA sequence capable of forming the non-B DNA conformation, the first terminator and the second terminator are respectively located upstream and downstream of the target DNA sequence in a), or the first terminator and the second terminator are respectively located upstream and downstream of the target DNA expression cassette in b). The provided vector can improve the amplification and/or expression (transcription) stability of poly(A) tail and ITR sequences.