

ABSTRACT

A modified Pif1-like helicase, a construct containing a Pif1-like helicase, and an application thereof in characterizing a target polynucleotide or controlling the movement of a target polynucleotide passing through pores. The present invention also relates to a method for characterizing a target polynucleotide or controlling the movement of a target polynucleotide passing through pores. The Pif1-like helicase can effectively control the movement of a polynucleotide passing through pores and increase the accuracy of a chain sequencing process.

Fig. 2