METHOD AND KIT FOR THE GENERATION OF DNA LIBRARIES FOR MASSIVELY PARALLEL SEQUENCING

ABSTRACT

There is disclosed a method of generating a massively parallel sequencing library comprising the steps of :a) providing a primary WGA DNA library (pWGAlib), including fragments comprising a WGA library universal sequence adaptor;b)re-amplifying the primary WGA DNA library using at least one first primer (1PR) and at least one second primer (2PR); the at least one first primer (1PR) comprising from 5' to 3' at least one first sequencing adaptor (1PR5SA), at least one first sequencing barcode (1PR5BC) and a first primer 3' section (1PR3S) hybridizing to either the WGA library universal sequence adaptor or its reverse complementary; the at least one second primer (2PR) comprising from 5' to 3' at least one second sequencing adaptor (2PR5SA) different from the at least one first sequencing adaptor (1PR5SA), and a second primer 3' section (2PR3S) hybridizing to either the WGA library universal sequence adaptor or its reverse complementary.

Fig. 3