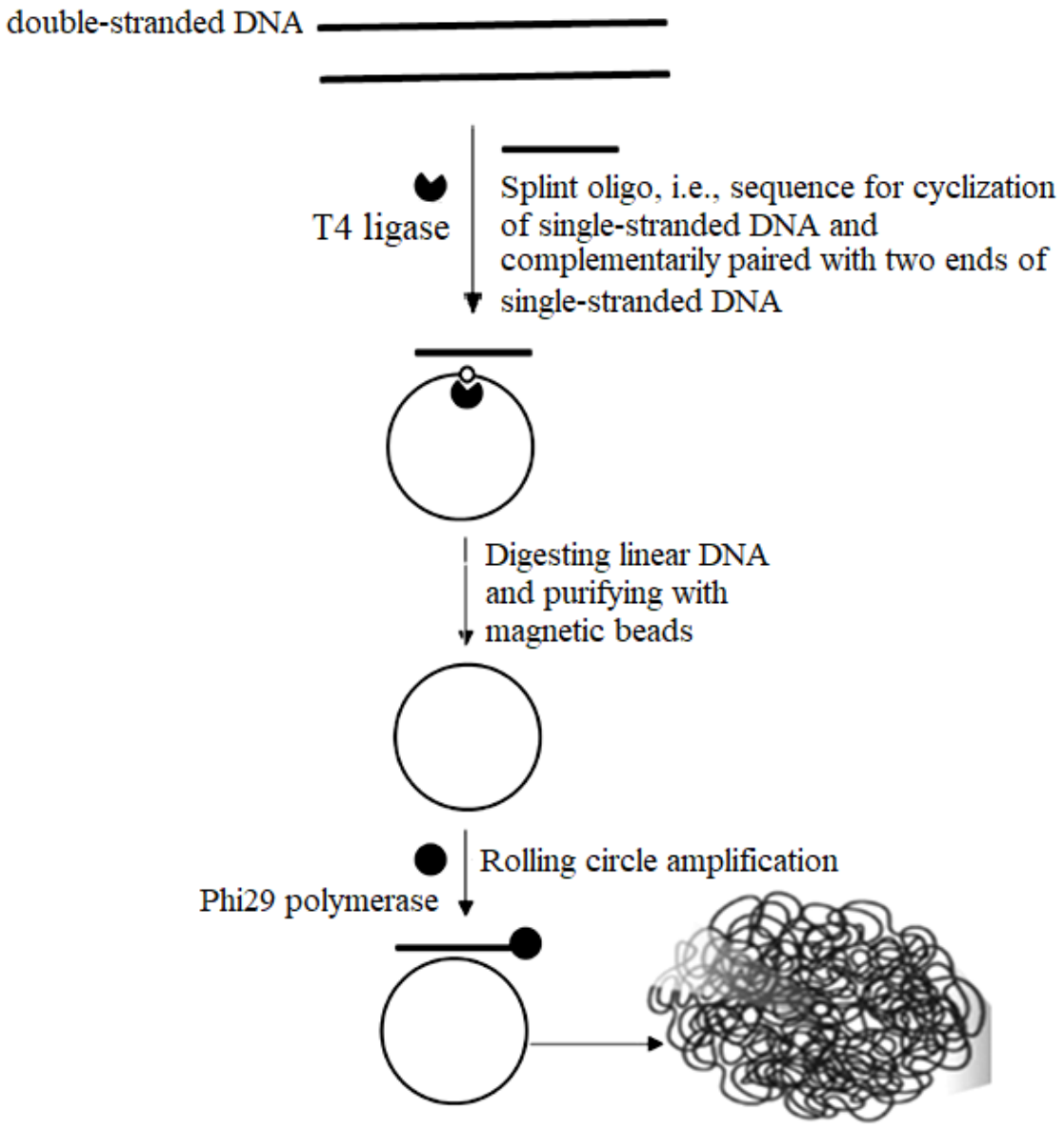
double-stranded DNA
T4 ligase
Splint oligo, i.e., sequence for cyclization of single-stranded DNA and complementarily paired with two ends of single-stranded DNA
Digesting linear DNA and purifying with magnetic beads
Rolling circle amplification
Phi29 polymerase

FIG. 1

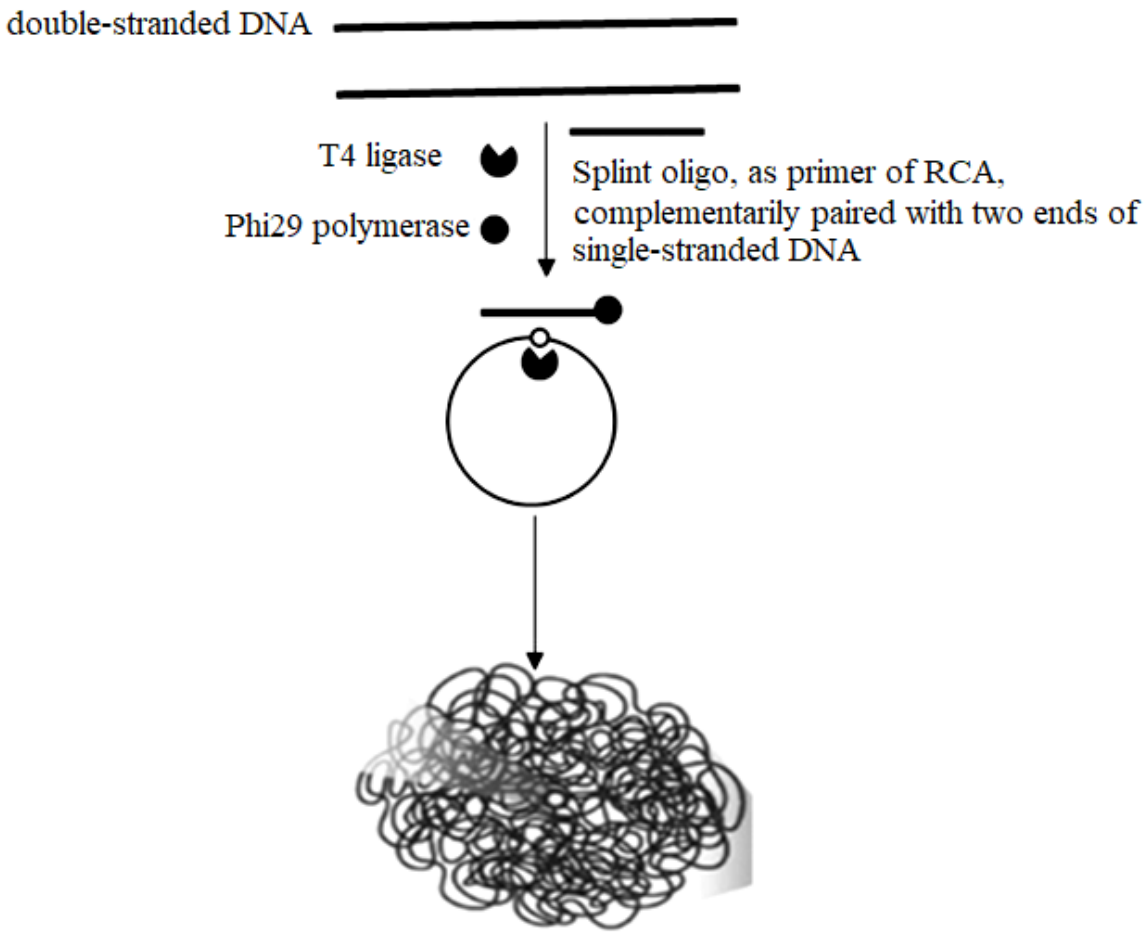
double-stranded DNA
T4 ligase
Phi29 polymerase
Splint oligo, as primer of RCA, complementarily paired with two ends of single-stranded DNA

FIG. 2

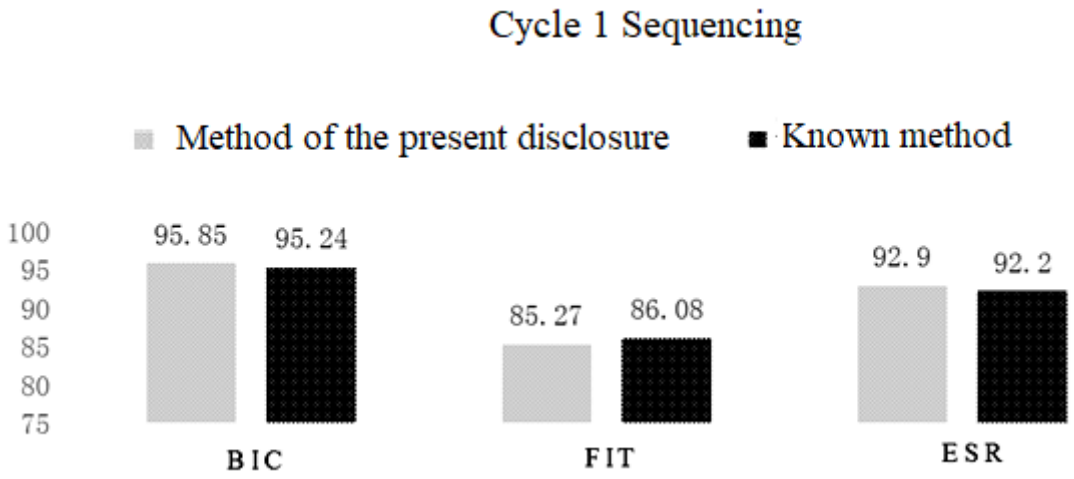
Cycle 1 Sequencing
Method of the present disclosure
Known method
100
95
90
85
80
75
95. 85
95. 24
85. 27
86. 08
92. 9
92. 2
BIC
FIT
ESR

FIG. 3

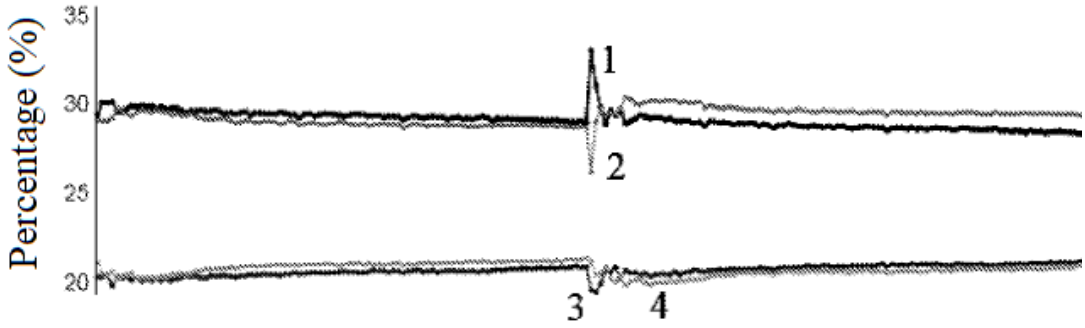
Percentage (%)
35
30
25
20
1
2
3
4

FIG. 4

FIG. 5