

Table S2 Reaction system of PCR (50 μ L).

Component	Volume (μL)
Forward primer (10 μ M) (50pM/ul)	1.0
Reverse primer (10 μ M) (50pM/ul)	1.0
The modified DNA	2.0
5 \times buffer GC (KAPA)	10.0
dNTP (10mM/each)	1.0
Taq enzyme (5U/ μ L)	0.2
dd H ₂ O	34.8