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PCR

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MATERIALS TEXT

2×high Taq Master Mix

ddH₂O

Template

F/R Primer

Bio-rad S1000TM Thermo Cycler.

SAFETY WARNINGS

Please wear gloves for the experiment, don't try to touch the lid after PCR program initiation.

BEFORE STARTING

Synthesize primers in advance.

Before the start

- 1 Set up a small box with ice, put DNA and 2×high Taq Master Mix into it before going into the Bio-rad S1000TM thermocycler. Set up a small box with ice, put DNA and 2×high Taq Master Mix into it before going into the Bio-rad S1000TM Thermo Cycler.
- 2 Add the following reagent to a PCR tube.(50 μl).

2×high Taq Master Mix (Enzyme)	25 μl
Template	2 μl
Forward Primer (10 μM)	2 μl
Reverse Primer (10 μM)	2 μl
ddH ₂ O	19 μl

3 Program the thermocycler as follows:

Temperature	Time
98°C	5 min
98°C	15 s
Tm-4°C	15 s
72°C	(5-10s)× (1 kb)
72°C	5 min
4°C	∞



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