3. PCR & Agarose Gel Electrophoresis

·Material

2 x Phanta Max Master Mix
Primer
Double Distillation Water (ddH_2O)
Loading Buffer
DNA Marker

·Step

① Adding 25μl of 2 x Phanta Max Master Mix, <30ng Template DNA, 4μl of primer mix, then add ddH_2O up to 50μl into a PCR tube. Different group use specific tube with distinctive sign.

② Place those PCR tubes into Peltier thermal cycler.

③ Set the protocol as follow: begin at 95℃ for 30 secs, then keep 95℃ for 15 secs for denaturation, decrease to 60℃ for 15 secs, 72℃ for 1 min/kb and repeat that cycle 30 times, finally maintain 16℃ infinity.

④ Adding all the samples to the hole. Run the gel at 120V for about 25 minutes. Check the result under the Blue Light Gel Imager.

⑤ *·Note*

⑥ As we use Green Taq Mix, we needn't add Loading when Agarose Gel Electrophoresis.