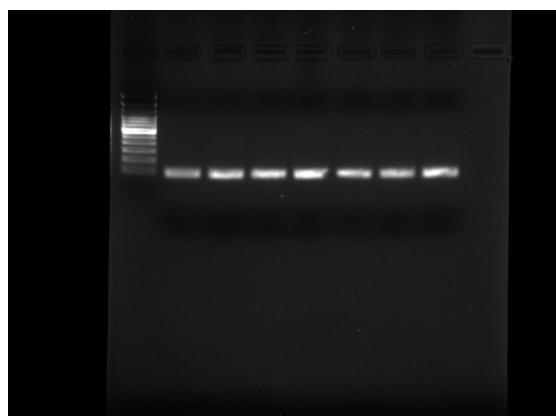
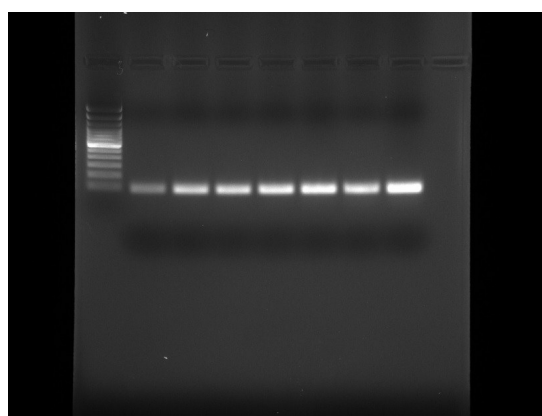


DNA and Primer Optimisation

We carried out DNA and primer optimization to optimize the amount of PCR reaction reagents. The reaction mixture (20 μ l) for DNA optimization contained 10 μ l GoTaq Green master mix, 1 μ l (10 μ M) of each forward and reverse primer, and a range of the template DNA including 0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4 μ l (100ng/ μ l). The reaction mixture (20 μ l) for primer optimization consisted of 10 μ l GoTaq Green master mix, 2.5 μ l (100ng/ μ l) of template DNA, and a range of each forward and reverse primer (0.25, 0.5, 1, 1.25, 1.5, 2, 2.25, 2.5 μ l). The results demonstrate that the amount of 2.5 μ l for DNA and primers is the optimum amount for PCR in this experiment.



DNA optimization



Primer optimization.