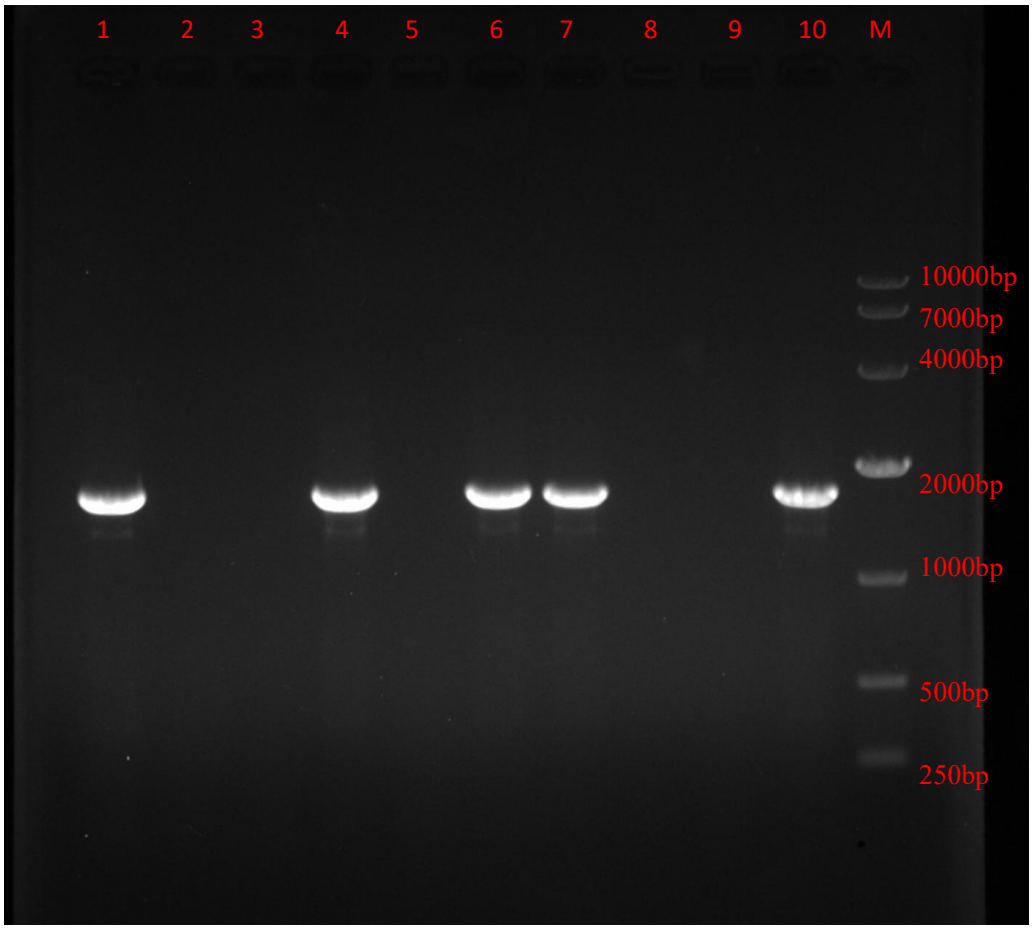
(1) electrophoresis gel to detect the success of dusk-cas9-puc57 construction

1. Experimental steps:

20ml 1 × TAE was poured into the conical bottle, 0.2g agarose was added to the conical bottle, then heated in the microwave oven to dissolve. When the temperature was reduced to could be touched by hand, 1μl 4S Red Plus Nucleic Acid was added and shake well. Then pour it into the gel plate to be cooled and solidified, then put it into the electrophoresis apparatus, mixed 1μl DNA Buffer and 3μl the liquid to be tested, and then added it to the corresponding hole in the gel plate. After all the samples had been added, added 4μl 10000bp DNA Marker in the hole without the sample. Then turned on the power, and when the samples ran to the back half of the block and was close to the end, turned off the power, put the block into the ultraviolet analyzer, and observe the gel electrophoresis results.

2. Experimental results:



According to the designed Colony PCR primer, the PCR product fragment was 1716bp. No. 1，4 ，6 ，7，10 are in line with the requirements

The next step is to culture the successful samples and preserve them.