

Additional file 1:

Figure S1.

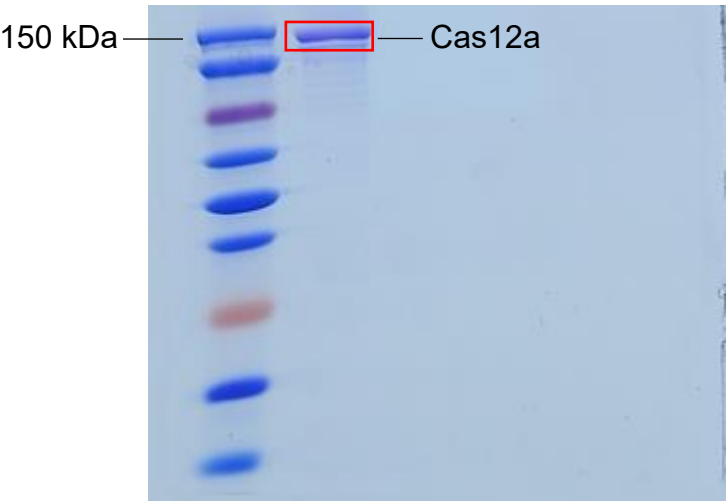


Figure S2.

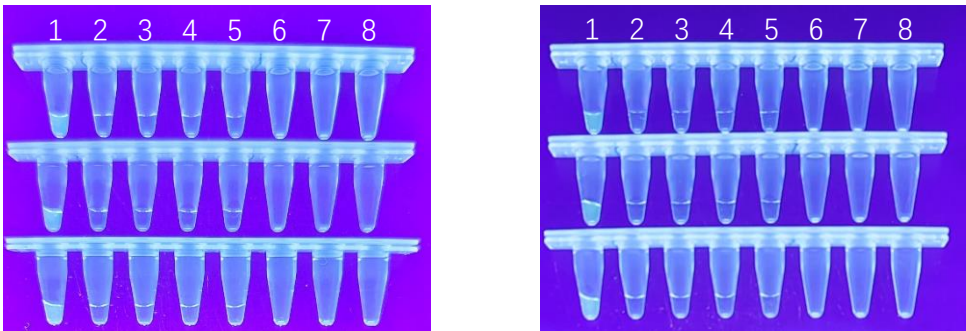


Table S1. ssDNA oligonucleotide sequences

ssDNA	5'-3'
<i>B1</i> -crRNA-L1	TCCAACCTCCTGGTGTACTGCATCTACACTTAGTAGAA ATTACCCTATAGTGAGTCGTATTAATTTC
<i>B1</i> -crRNA-L2	ATATGTTCCCTCCTCTTCGCATCTACACTTAGTAGAAA TTACCCTATAGTGAGTCGTATTAATTTC

<i>B1</i> -crRNA-L3	GGTTGCCTCGAGTTCCTTCTATCTACACTTAGTAGAAA TTACCCTATAGTGAGTCGTATTAATTTC
529 RE- crRNA-L1	GCACAGGCGAGCTCGCCTGTATCTACACTTAGTAGAA ATTACCCTATAGTGAGTCGTATTAATTTC
529 RE- crRNA-L2	GCTGCTTTTCCTGGAGGGTGATCTACACTTAGTAGAA ATTACCCTATAGTGAGTCGTATTAATTTC
529 RE- crRNA-L3	CTCTCCGCCATCACCACGAGATCTACACTTAGTAGAA ATTACCCTATAGTGAGTCGTATTAATTTC
T7-3G IVT primer	GAAATTAATACGACTCACTATAGGG

Table S2. PCR primers for the construction of standards

Name	5'-3'
<i>B1</i> -up-F	TCCTATCGCAACGGAGTTCT
<i>B1</i> -up-R	TTGGTGGTTCACTCCATCTC
<i>B1</i> -down-F	CCGTTGATTCTGTCTGATGGT
<i>B1</i> -down-R	ACGAAAGGAGAATGAGCGCA
529 RE -F	GCAGGGAGGAAGACGAAAGT
529 RE -R	GCAGACACAGTGCATCTGGA

Table S3. RPA amplification primers

Name	5'-3'
<i>B1</i> -L1-RPA-F1	TAGTATCGTGCGGCAATGTGCCACCTCG
<i>B1</i> -L1-RPA-F2	CAATGTGCCACCTCGCCTCTTGGGAGAA
<i>B1</i> -L1-RPA-F3	GAAGAGACGCTGCCGCTGTTTTGCAAATGA

<i>B1-L1-RPA-R1</i>	TCTACTCGACAATACGCTGCTTGAAGAG
<i>B1-L1-RPA-R2</i>	CCTTTCTGATCTACTCGACAATACGCTGC
<i>B1-L1-RPA-R3</i>	CGGATGCAGTTCCTTTCTGATCTACTCGACAA
<i>B1-L2-RPA-F1</i>	CAAGAAAATGAGATGCCTAGAGGAGACACAGC
<i>B1-L2-RPA-F2</i>	TGAGATGCCTAGAGGAGACACAGCGTGTTA
<i>B1-L2-RPA-F3</i>	GATGCCTAGAGGAGACACAGCGTGTATGAAC
<i>B1-L2-RPA-R1</i>	TTAGCGACATGCGGCACGTCTCTTGTTCTT
<i>B1-L2-RPA-R2</i>	CTGAGCATCCCTTCCGATGGCTTAGCGACATG
<i>B1-L2-RPA-R3</i>	CTGTGCCATTTTCTGAGCATCCCTTCCGAT
<i>B1-L3-RPA-F1</i>	AAGTTCCGGTCGAGAGGCTAAACCACAA
<i>B1-L3-RPA-F2</i>	AGTGCAAACCATGCGCAGCCATCAGCTTA
<i>B1-L3-RPA-F3</i>	GCAGCCATCAGCTTAACAAAAGCAGTTG
<i>B1-L3-RPA-R1</i>	GCATGATTCTGCGTGGTGGGCTCGTTGAT
<i>B1-L3-RPA-R2</i>	TCCGCATTGTGCGGCTACTTTAGAAACGCT
<i>B1-L3-RPA-R3</i>	CCTTAGCATTCCGCATTGTGCGGCTACTTTAGAA
529 RE-L1-RPA-F1	TTTTTGACTCCGGCCCAGCTGCCTCTGT
529 RE-L1-RPA-F2	GGCCCAGCTGCCTCTGTCTGGGATGAGAC
529 RE-L1-RPA-F3	AGACCGCGGAGCCGAAGTGCGTTTTCTTT
529 RE-L1-RPA-R1	CCCTTCGACTTCTGTCCCTTCTGTGGCT
529 RE-L1-RPA-R2	TGATATCTCTCCTCCAAGACGGCTGGAGGA
529 RE-L1-RPA-R3	TACAGTCCTGATATCTCTCCTCCAAGACGGCT
529 RE-L2-RPA-F1	CTGTAGATGAAGGCGAGGGTGAGGATGA
529 RE-L2-RPA-F2	AAGCGACGAGAGTCGGAGAGGGAGAAGA
529 RE-L2-RPA-F3	GAGAGTCGGAGAGGGAGAAGATGTTTCC
529 RE-L2-RPA-R1	TCGTCTCGTCTAGATCGCATTCCGGTGT
529 RE-L2-RPA-R2	ATTCTCTCCGCCATCACCACGAGGAAAGCGT
529 RE-L2-RPA-R3	TCTTCAATTCTCTCCGCCATCACCACGA
529 RE-L3-RPA-F1	GGAGAAGATGTTTCCGGCTTGGCTGCTT

529 RE-L3-RPA-F2	AGATGTTTCCGGCTTGGCTGCTTTTCCTGGA
529 RE-L3-RPA-F3	GAGACACCGGAATGCGATCCAGACGAGA
529 RE-L3-RPA-R1	TGTCTCCCTCGCCCTCTTCTCCACTCTT
529 RE-L3-RPA-R2	TCCCTTCGTCCAAGCCTCCGACTCTGTCT
529 RE-L3-RPA-R3	TCTCCTACCCCTCCTCCTCCCTTCGTCCAA

Table S4. Nested PCR primers

Name	5'-3'
<i>B1</i> -nested-F1	TCAAGCAGCGTATTGTCGAG
<i>B1</i> -nested-R1	CCGCAGCGACTTCTATCTCT
<i>B1</i> -nested-F2	GGAAGTGCATCCGTTTCATGA
<i>B1</i> -nested-R2	TCTTTAAAGCGTTCGTGGTC
529 RE-nested-F1	TCTTTAAAGCGTTCGTGGTC
529 RE-nested-R1	CTCCTCCCTTCGTCCAAGCCTCC
529 RE-nested-F2	AGGGACAGAAGTCGAAGGGG
529 RE-nested-R2	GCAGCCAAGCCGGAAACATC