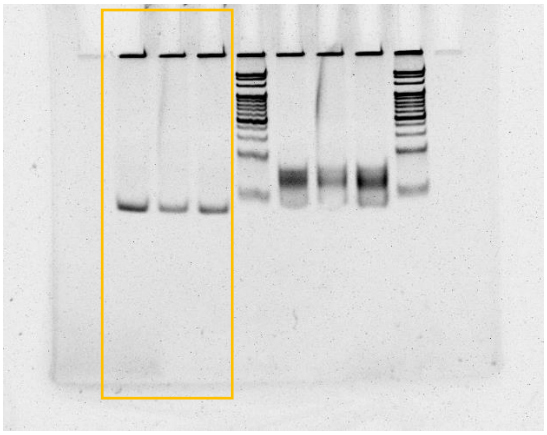


Figure 1j. Evaluation of the integrality of DNA strands by polyacrylamide gel electrophoresis.

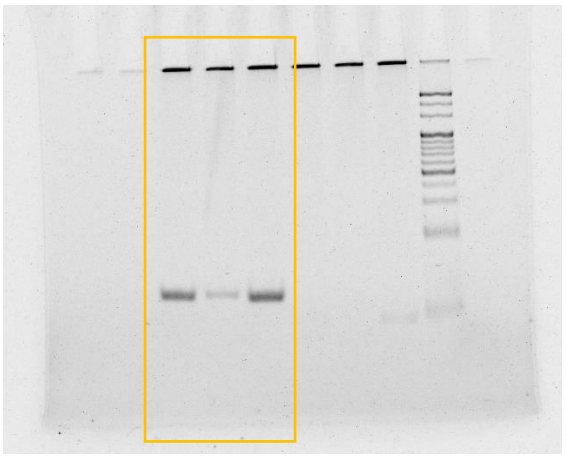
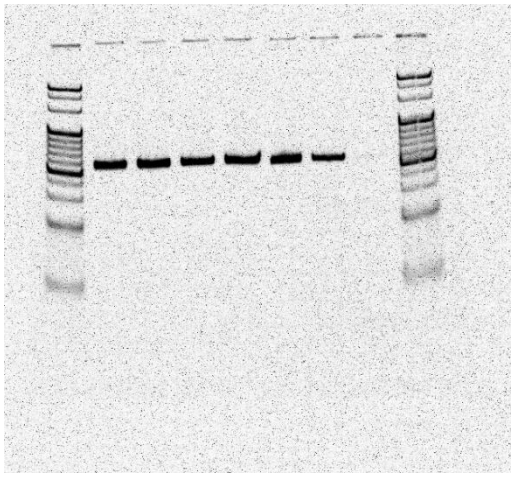
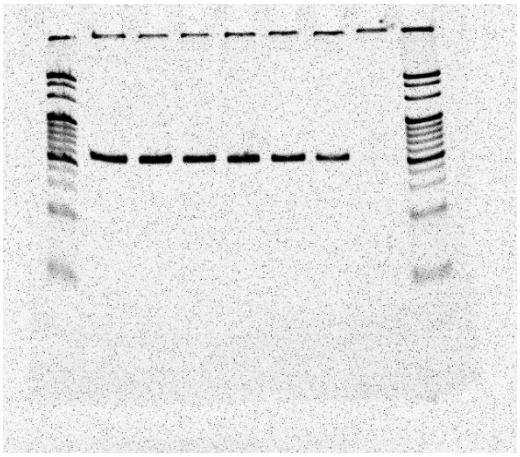


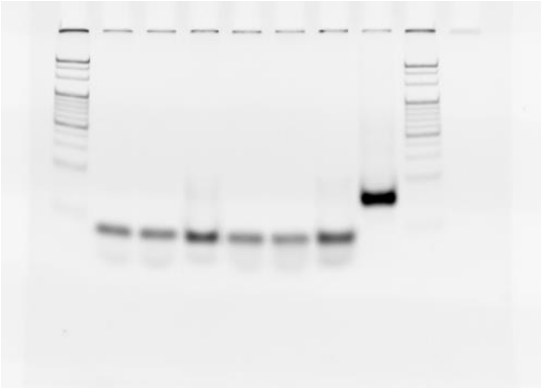
Figure 1j. Evaluation of the integrality of RNA strands by polyacrylamide gel electrophoresis.



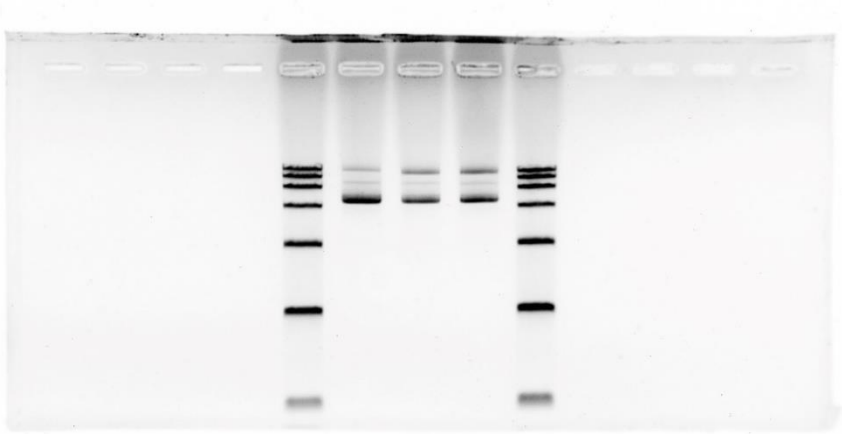
Supplementary Figure 7b. Gel electrophoresis analysis of PCR products amplified by different concentrations of DNA strand with or without MW-assisted heating-dry treatment.



Supplementary Figure 7b. Gel electrophoresis analysis of PCR products amplified by different concentrations of DNA strand with or without MW-assisted heating-dry treatment.



Supplementary Figure 8b. Gel electrophoresis analysis of short-chain ssDNA with or without MW-assisted heating-dry treatment in the absence/present of endonuclease.



Supplementary Figure 8b. Gel electrophoresis analysis of long-chain EGFP plasmid DNA with or without MW-assisted heating-dry treatment in the absence/present of endonuclease.

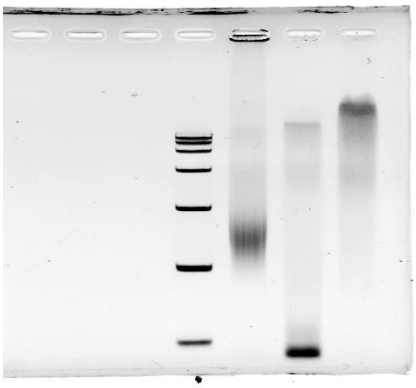


Figure 6e. Gel electrophoresis analysis of RCA products with perfectly matched or single-base mismatched target DNA.

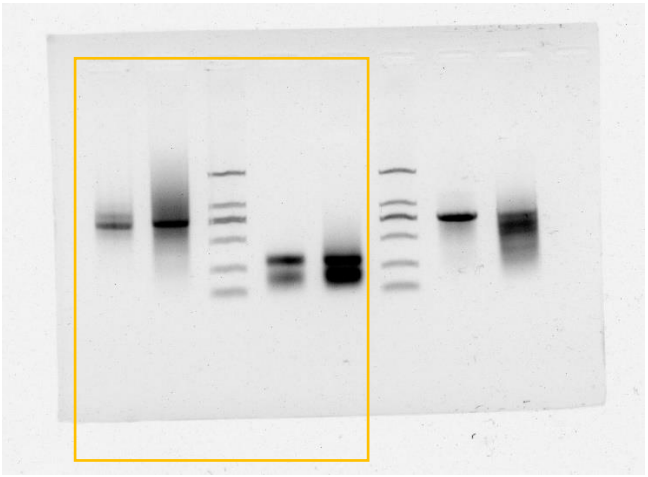


Figure 6l. Gel electrophoresis analysis of the in vitro transcribed sgRNA and N-RNA, and sgRNA and N-RNA displaced from AuNPs surface by ME.

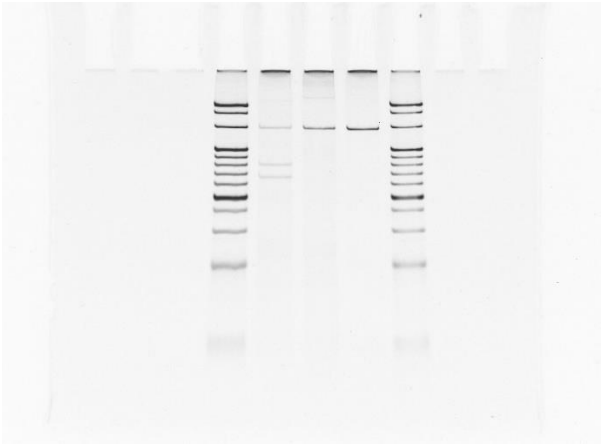
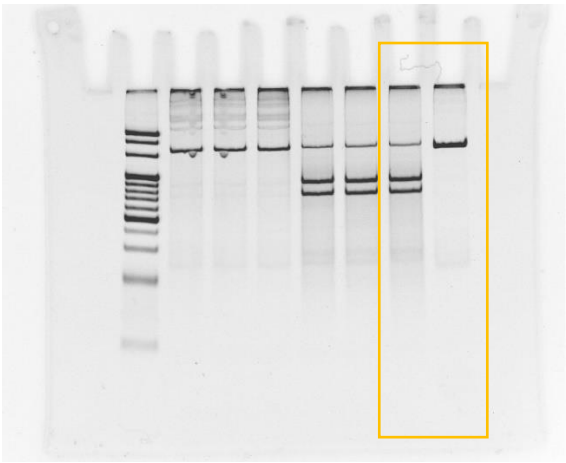
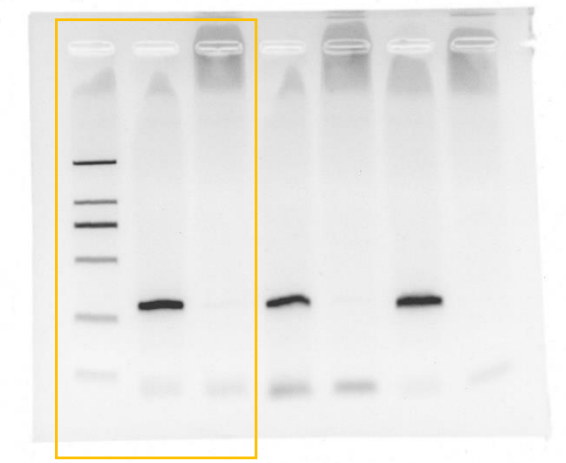


Figure 6m. Electrophoresis analysis of the cleavage ability of the assembled Cas9/sgRNA-AuNP complex.



Supplementary Figure 19a. Gel electrophoretic analysis. Cleavage ability evaluation using designed poly (U)-tagged sgRNA and Cas9 protein.



Supplementary Figure 19b. Gel electrophoretic analysis. Gel electrophoretic analysis of the PCR products of *B646L* (VP72) gene.