

# A Rapid and Visual Method for Nucleic Acid Detection of *Escherichia coli* O157:H7 Based on CRISPR/Cas12a-PMNT

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**Table S1.** Sequence of ssDNA used in this study.

| Name       | Sequence (5' to 3')  |
|------------|----------------------|
| ssDNA-6nt  | TTTTTT               |
| ssDNA-7nt  | TTTTTTT              |
| ssDNA-8nt  | TTTTTTTT             |
| ssDNA-9nt  | TTTTTTTTT            |
| ssDNA-10nt | TTTTTTTTTT           |
| ssDNA-11nt | TTTTTTTTTTT          |
| ssDNA-12nt | TTTTTTTTTTTT         |
| ssDNA-13nt | TTTTTTTTTTTTT        |
| ssDNA-15nt | TTTTTTTTTTTTTT       |
| ssDNA-15nt | TTTTTTTTTTTTTTT      |
| ssDNA-16nt | TTTTTTTTTTTTTTTT     |
| ssDNA-17nt | TTTTTTTTTTTTTTTTT    |
| ssDNA-18nt | TTTTTTTTTTTTTTTTTT   |
| ssDNA-19nt | TTTTTTTTTTTTTTTTTTT  |
| ssDNA-20nt | TTTTTTTTTTTTTTTTTTTT |

**Table S2.** Sequence of RPA primers used in this study.

| Primer Name | Sequence (5' to 3')              | Amplicon Length (bp) |
|-------------|----------------------------------|----------------------|
| RPA-Ec-F    | TCTTCATTTAGCTTT-                 | 233                  |
|             | GTTAGCGTTAGGTATATCGG             |                      |
| RPA-Ec-R    | CCATATCACATGGATGTCCG-            |                      |
|             | TATAAATGGACACAC                  | 426                  |
| RPA-Vp-F    | ACTCGTATGAGAACGTGACATTGCGTATTT   |                      |
| RPA-Vp-R    | TTGAACTCAGAAGGAGAAACAAGCAGATAG   |                      |
|             | GCATCACAAACAGATAACGGCGTAAA-      | 139                  |
| RPA-Sa-F    | TAGAAG                           |                      |
| RPA-Sa-R    | ACATTAATTTAACCGTATCACCATCAATCGCT |                      |
| RPA-Lm-F    | TTGATCACTCTGGAGGCTACGTTGCTCAATTC | 158                  |
| RPA-Lm-R    | GTTACCTGGCAAATAGATGGACGATGTGAAAT |                      |