

## Supplementary Information

### The *Escherichia coli* MarA protein regulates the *ycgZ-ymgABC* operon to inhibit biofilm formation

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## *ycgZ.1*

ATATGCATTAGCACTAATTGCAAAAAATTAATTTATCATTCTGTACACATATTTTCGT  
ACAAGTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 inv*

ATATGCATTAAAAACGTTAATCAGAAATTAATTTATCATTCTGTACACATATTTTCGT  
ACAAGTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 Δ1*



ATATGCATTAGCACTAATTGCAAAAATTAATTTATCATTCTGTACACATATTTTCGTA  
CAAGTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 Δ5*



ATATGCATTAGCACTAATTGCAAAAATTTATCATTCTGTACACATATTTTCGTACAA  
GTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 Δ10*



ATATGCATTAGCACTAATTGCAAAATCATTCTGTACACATATTTTCGTACAAGTTTG  
CTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 UP1*

ATATGCATTAGCACTAATTGCAAAACAATTAATTTATCATTCTGTACACATATTTTCGT  
ACAAGTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 UP5*

ATATGCATTAGCACTAATTGCAAAACGATCAATTAATTTATCATTCTGTACACATATTTTCGT  
ACAAGTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

## *ycgZ.1 UP10*

ATATGCATTAGCACTAATTGCAAAATCTGACGATCAATTAATTTATCATTCTGTACACATATTT  
CGTACAAGTTTGCTATTGTTACTTCACTTAACATTGATTAACATTTTTAACAGAGGCGTAGCATG

Figure 2a

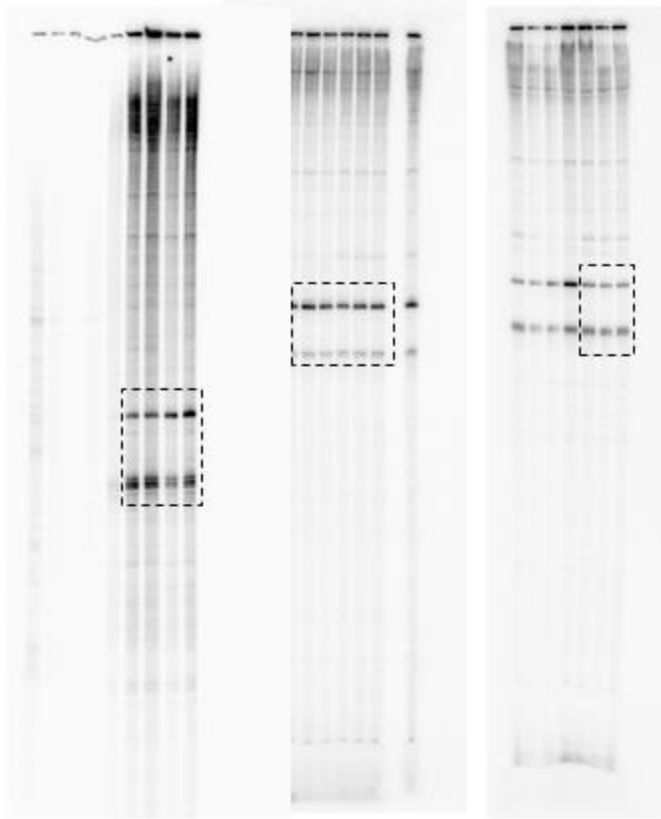


Figure S2

Figure 1b

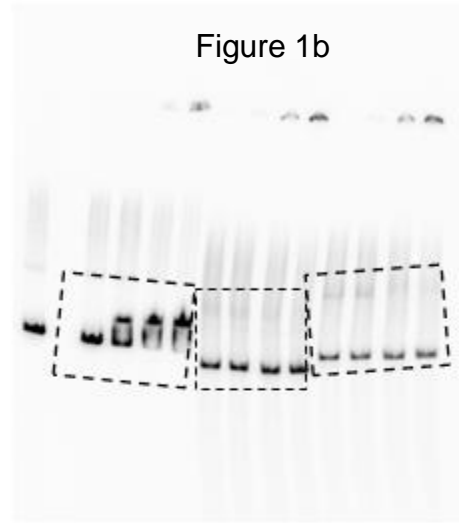


Figure 2b

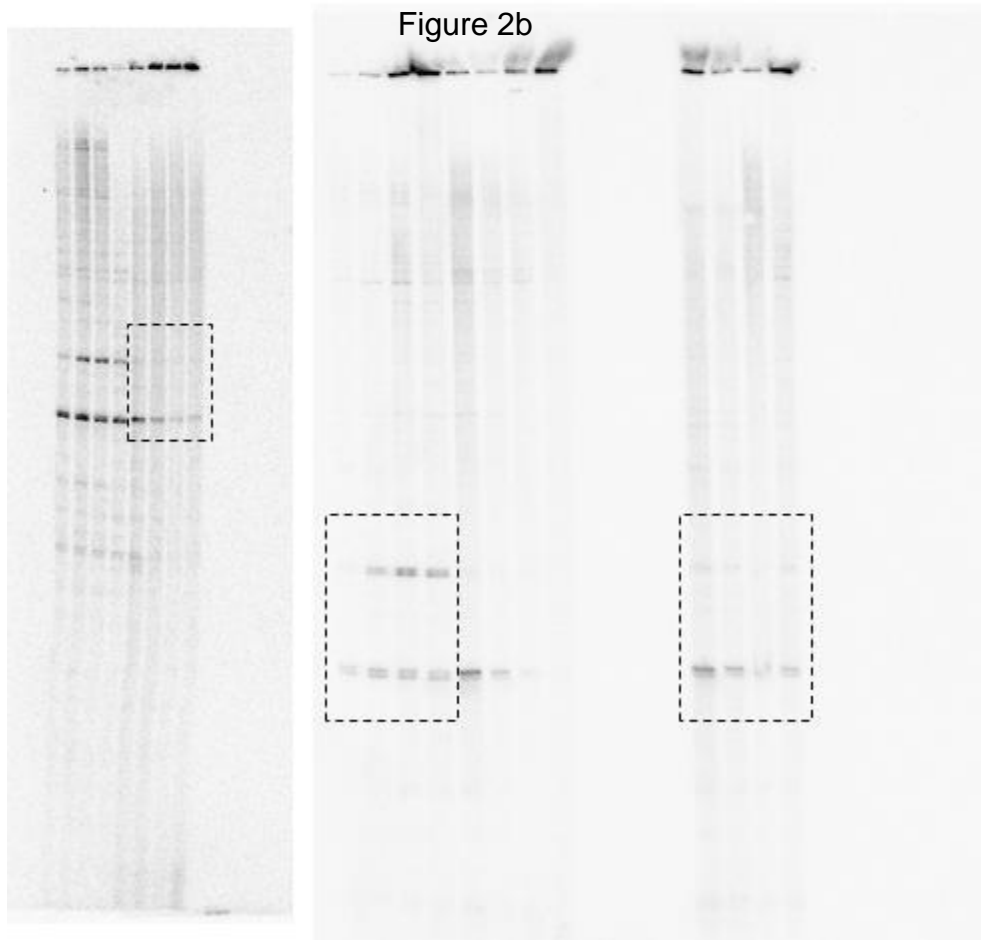


Figure 3b

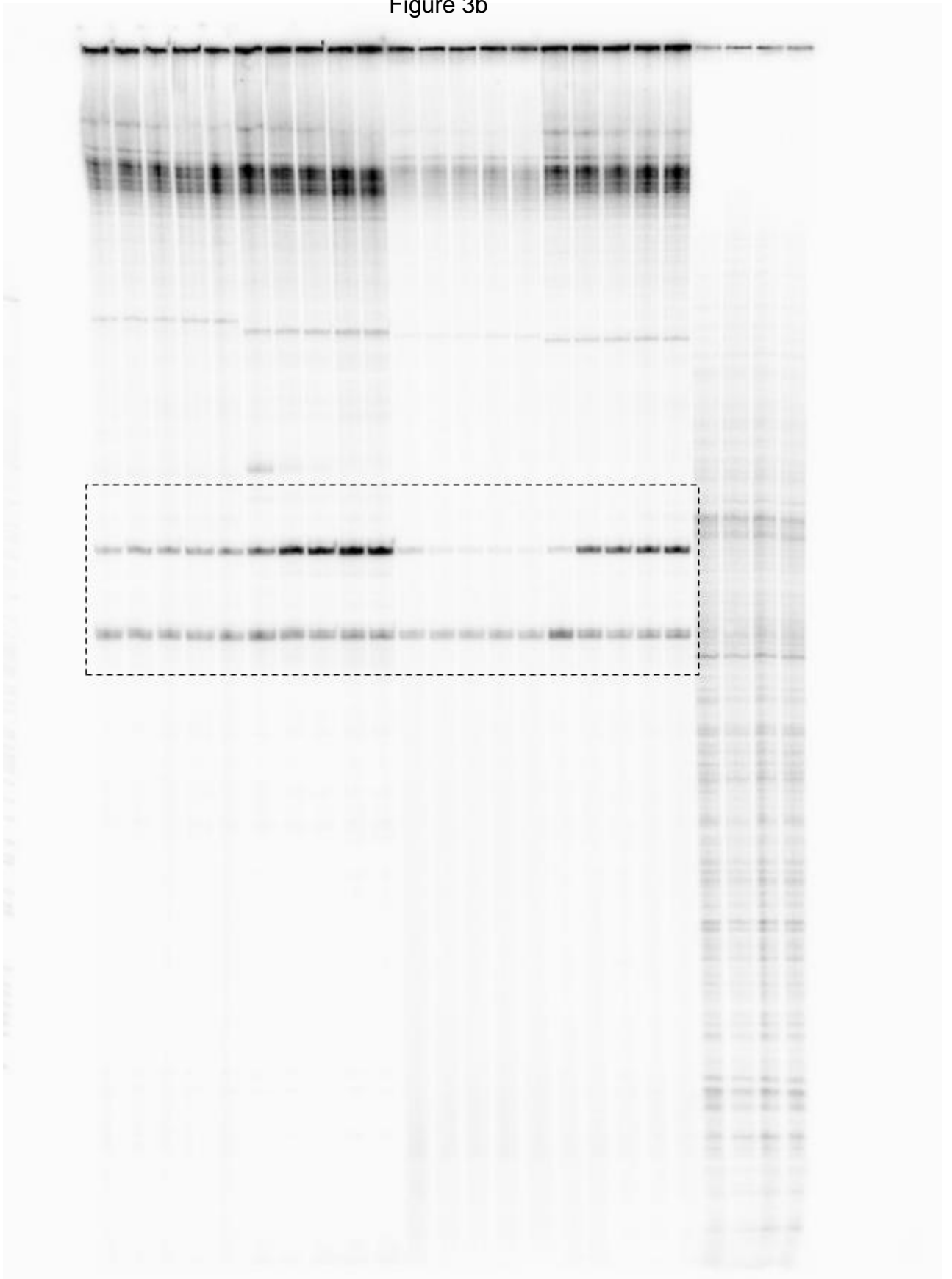


Figure 3b

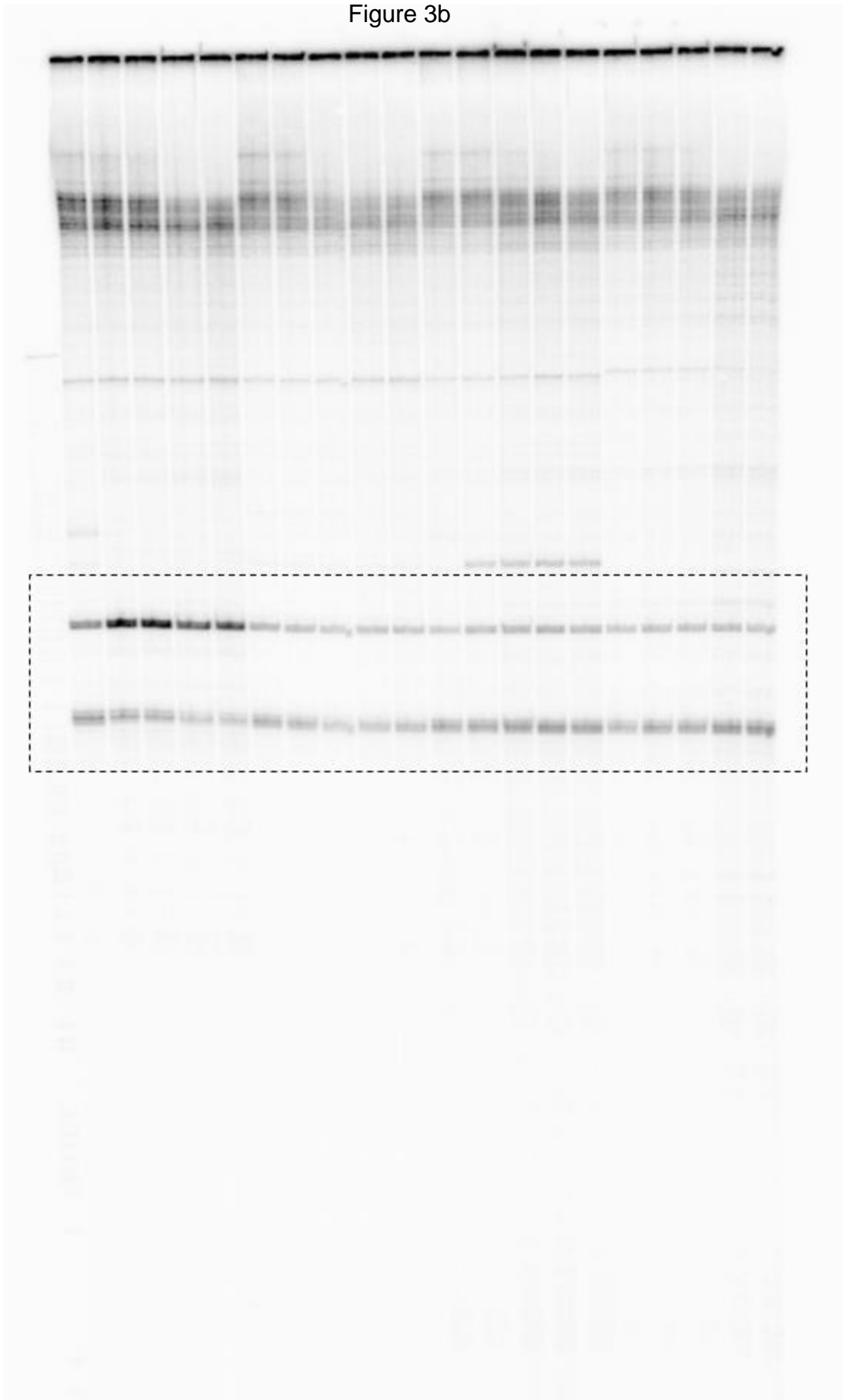


Figure 3c

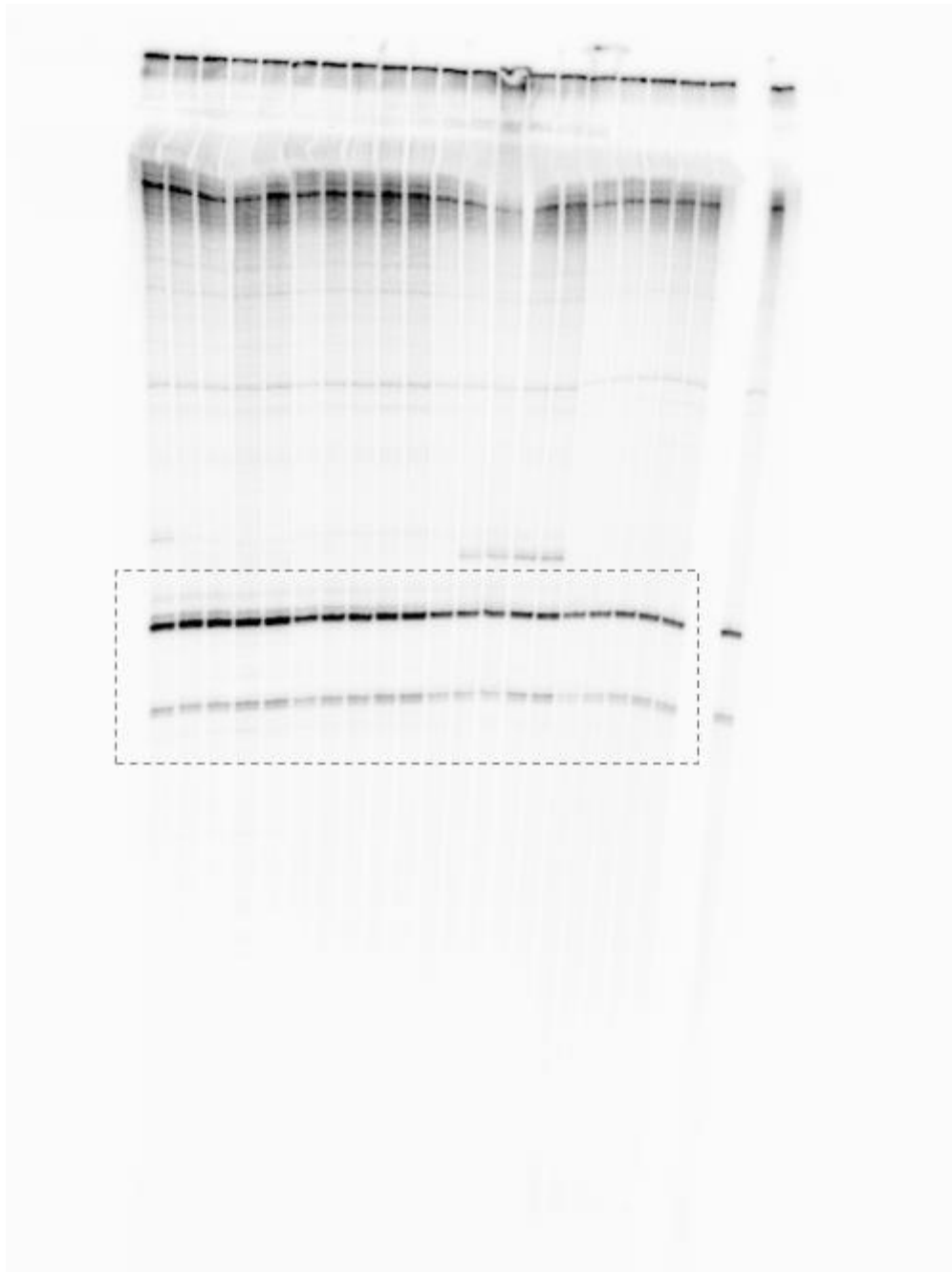


Figure 3c

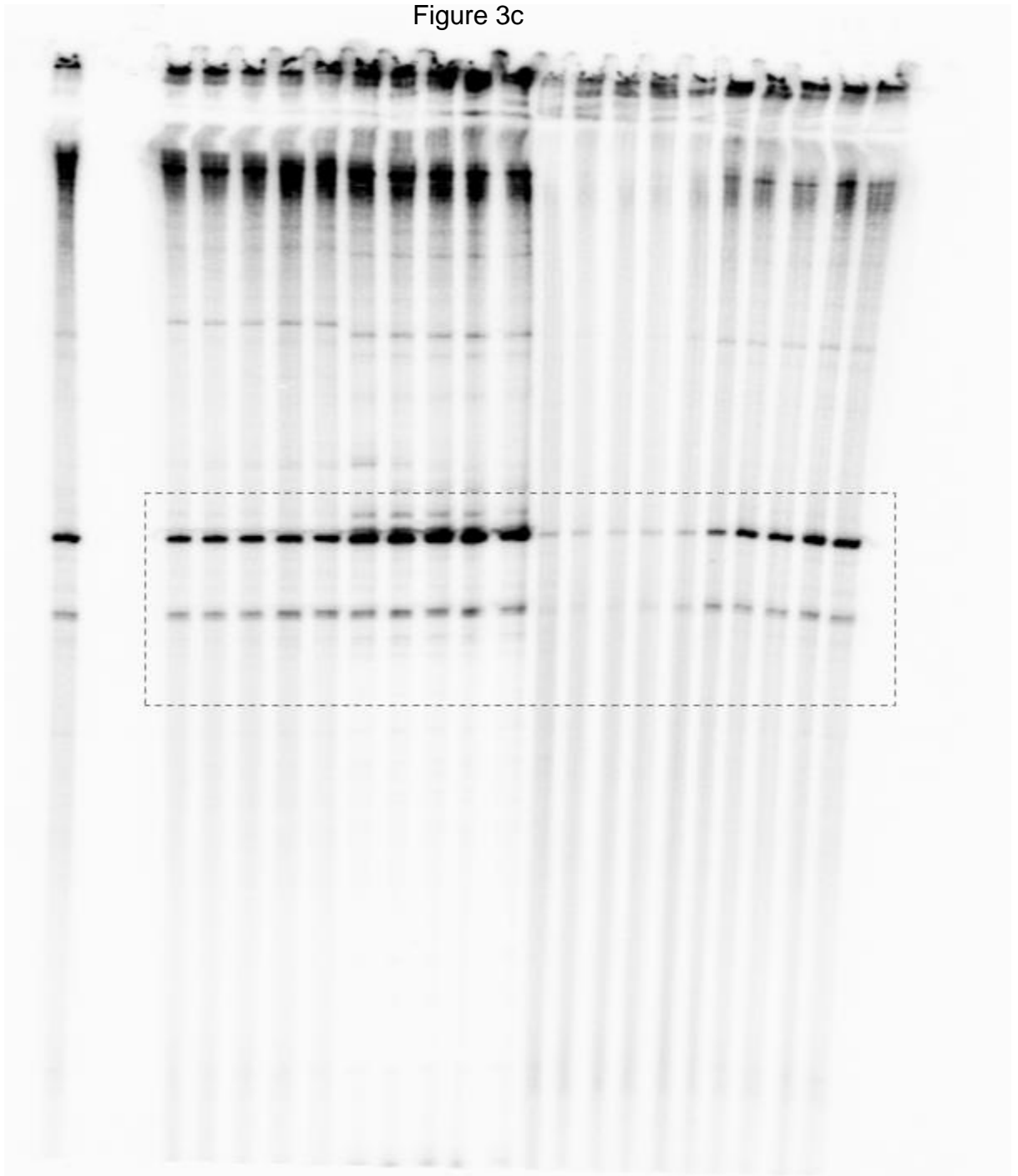
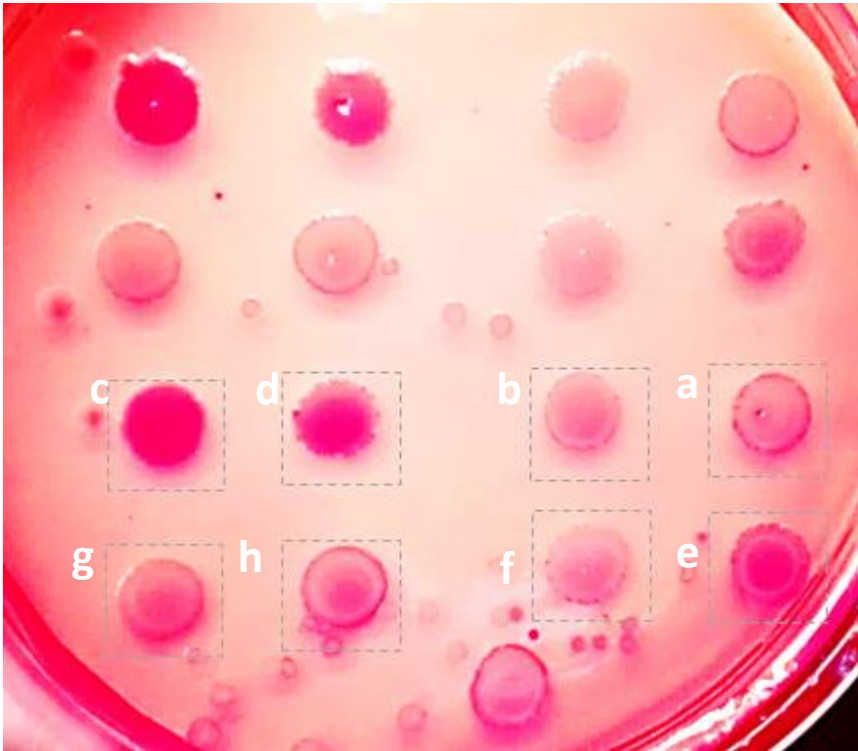


Figure 5



Repeat spotting of  
below two rows in  
the same order

Data shown in  
Figure 5.