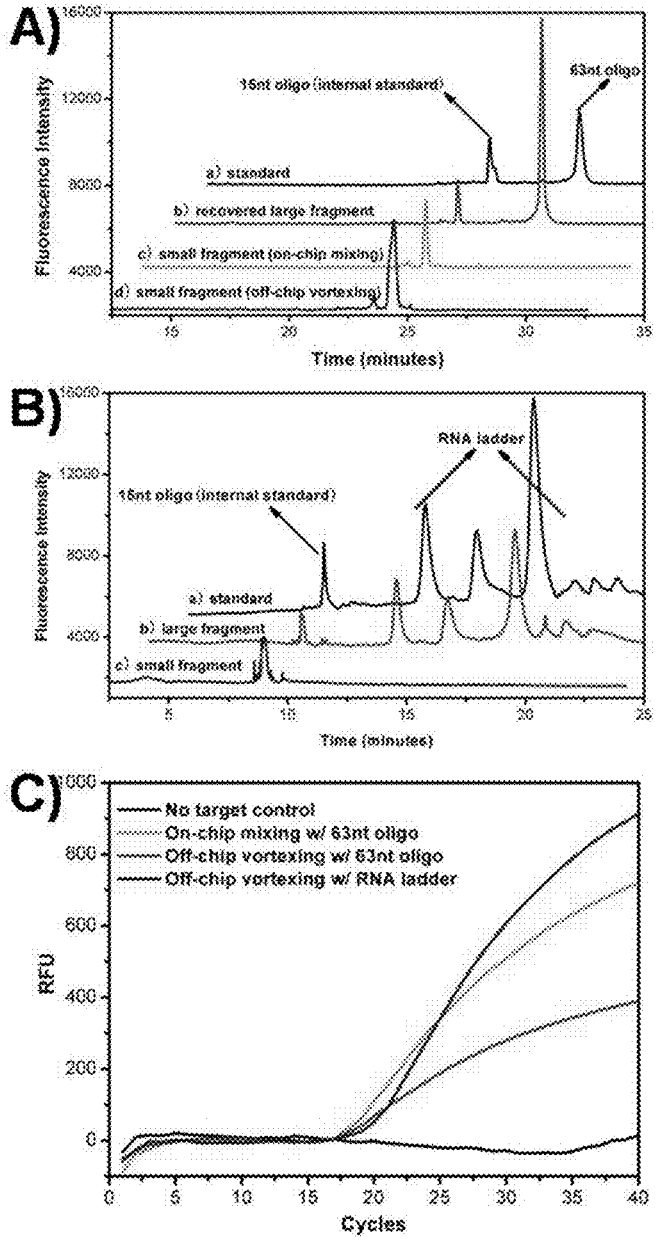
A)
Fluorescence Intensity
16000
12000
8000
4000
15nt oligo (internal standard)
63nt oligo
a) standard
b) recovered large fragment
c) small fragment (on-chip mixing)
d) small fragment (off-chip vortexing)
15
20
25
30
35
Time (minutes)
B)
Fluorescence Intensity
16000
12000
8000
4000
RNA ladder
15nt oligo (internal standard)
a) standard
b) large fragment
c) small fragment
5
10
15
20
25
Time (minutes)
C)
No target control
On-chip mixing w/ 63nt oligo
Off-chip vortexing w/ 63nt oligo
Off-chip vortexing w/ RNA ladder
RFU
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
40
Cycles

FIGURE 4A-C