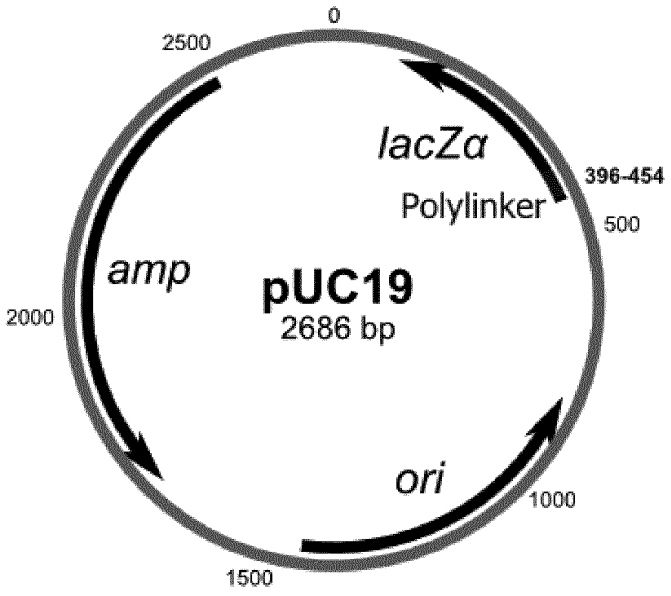
FIGURES

Fig. 1:





**Figs. 2A to 2D:**

**Fig. 2A**

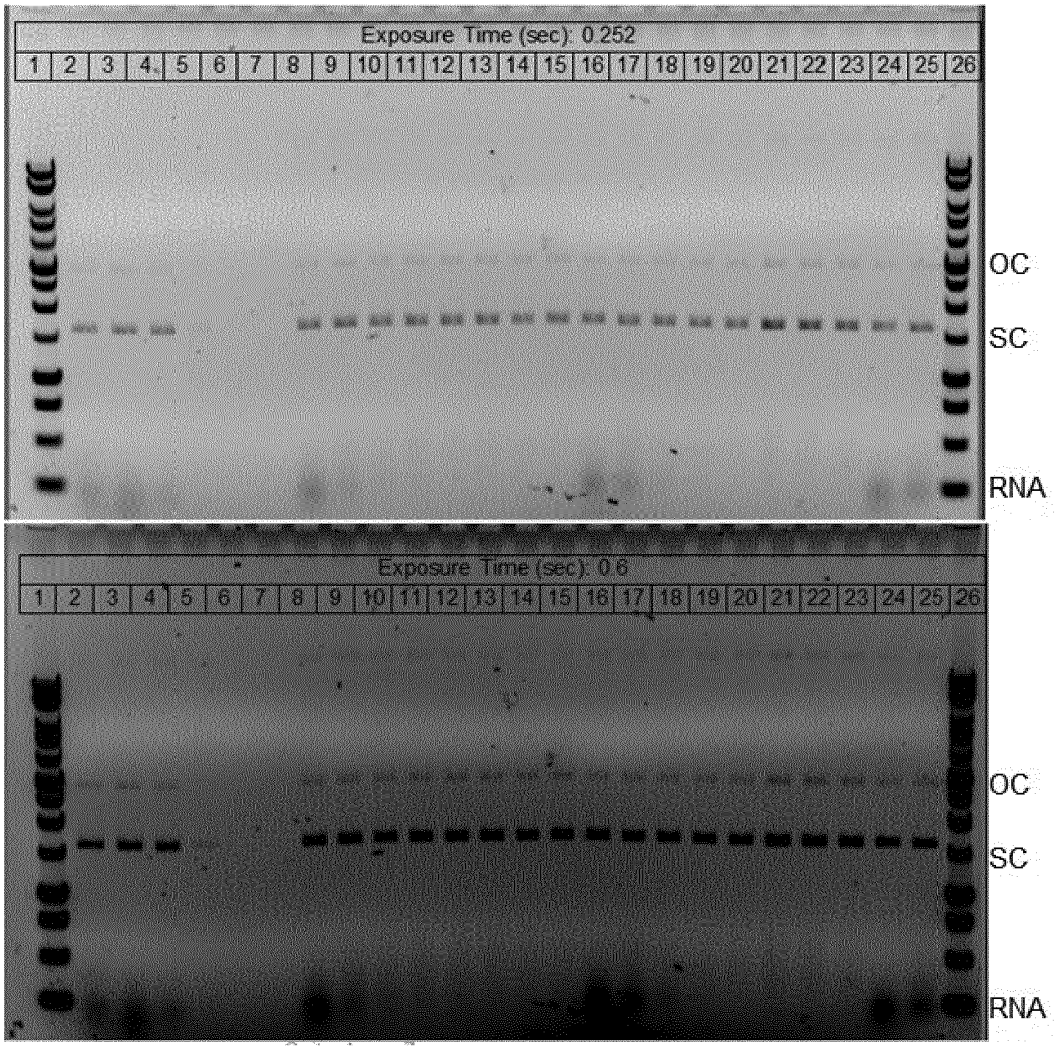


Fig. 2B

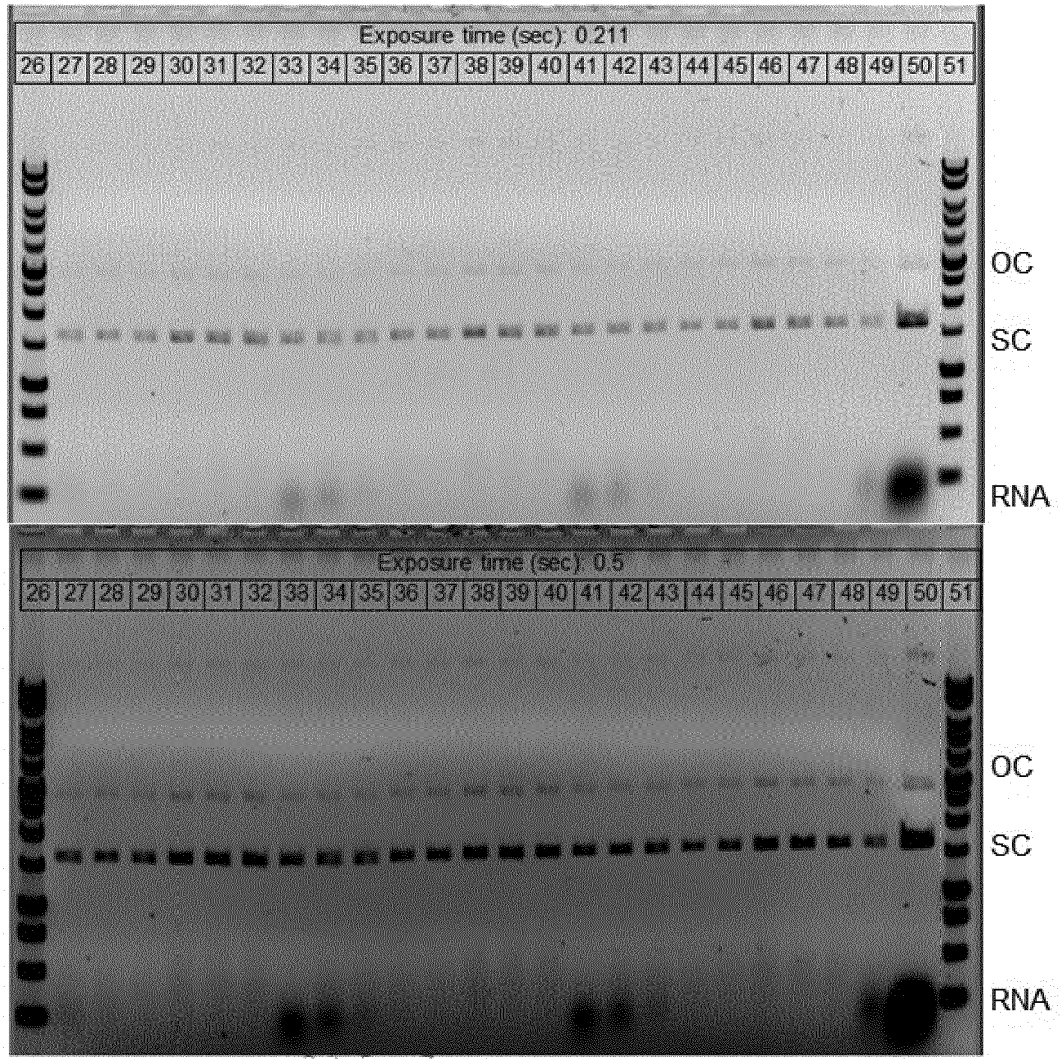

Exposure time (sec): 0.211
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
OC
SC
RNA
Exposure time (sec): 0.5
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
OC
SC
RNA

Fig. 2C

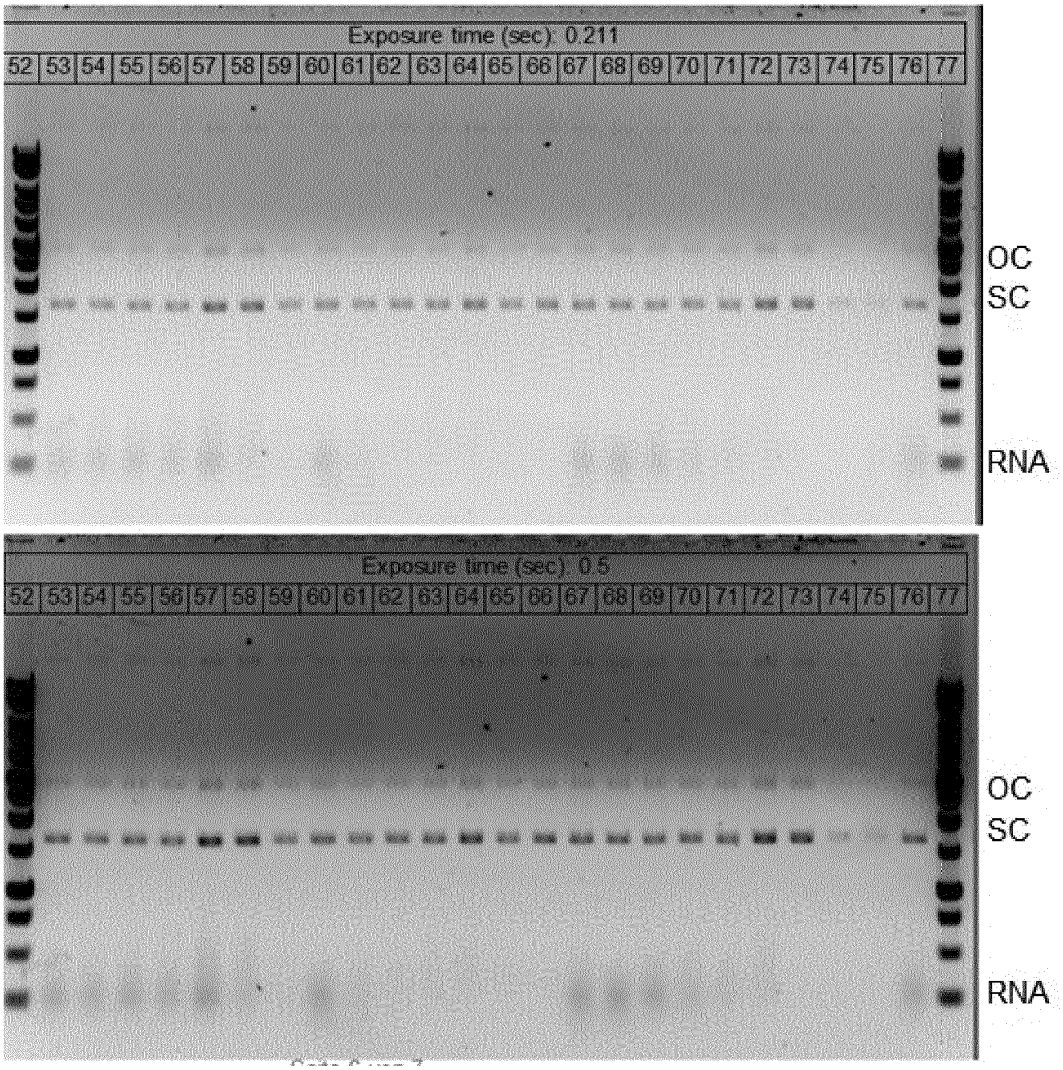
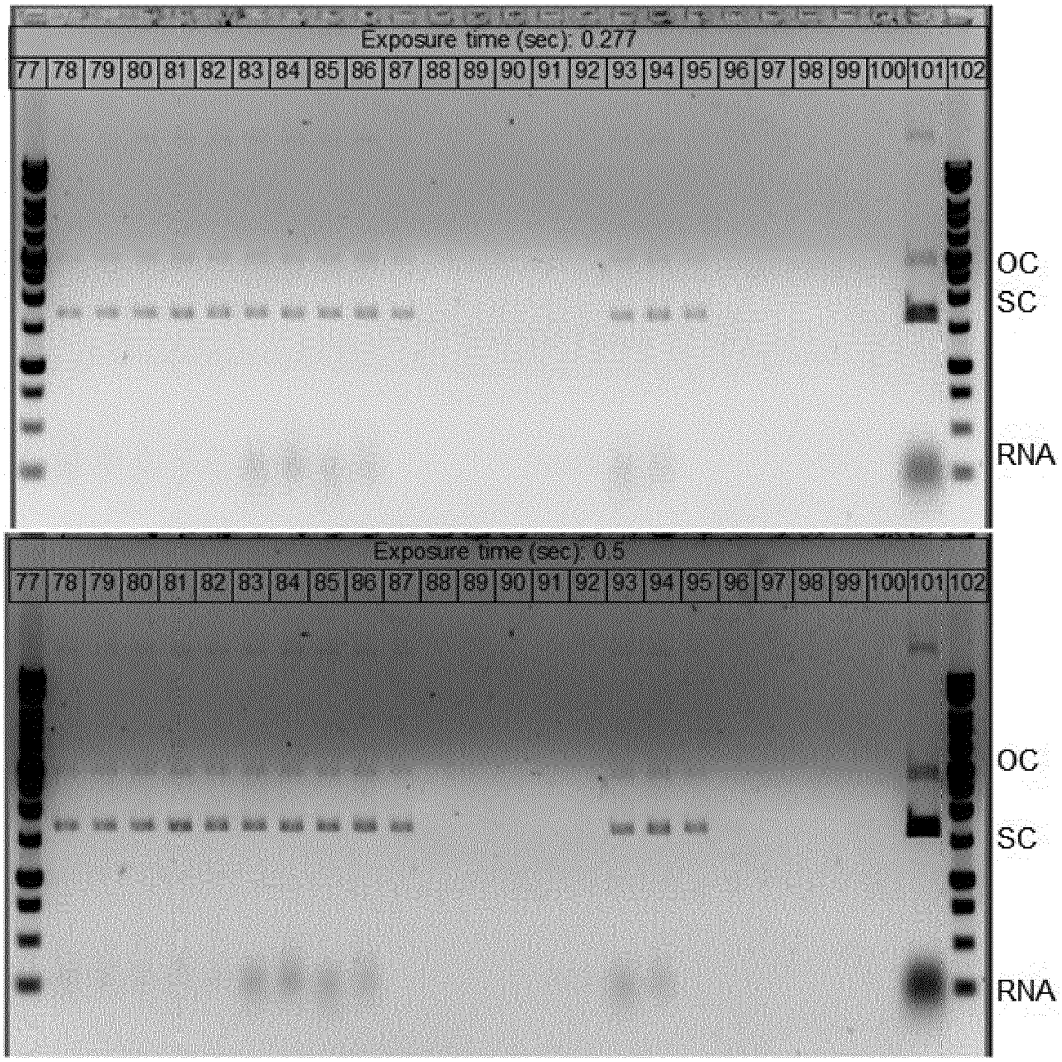

Exposure time (sec): 0.211
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77
OC
SC
RNA
Exposure time (sec): 0.5
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77
OC
SC
RNA

Fig. 2D


Exposure time (sec): 0.277
77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102
OC
SC
RNA
Exposure time (sec): 0.5
77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102
OC
SC
RNA

**Figs. 3A to 3D:**

**Fig. 3A**

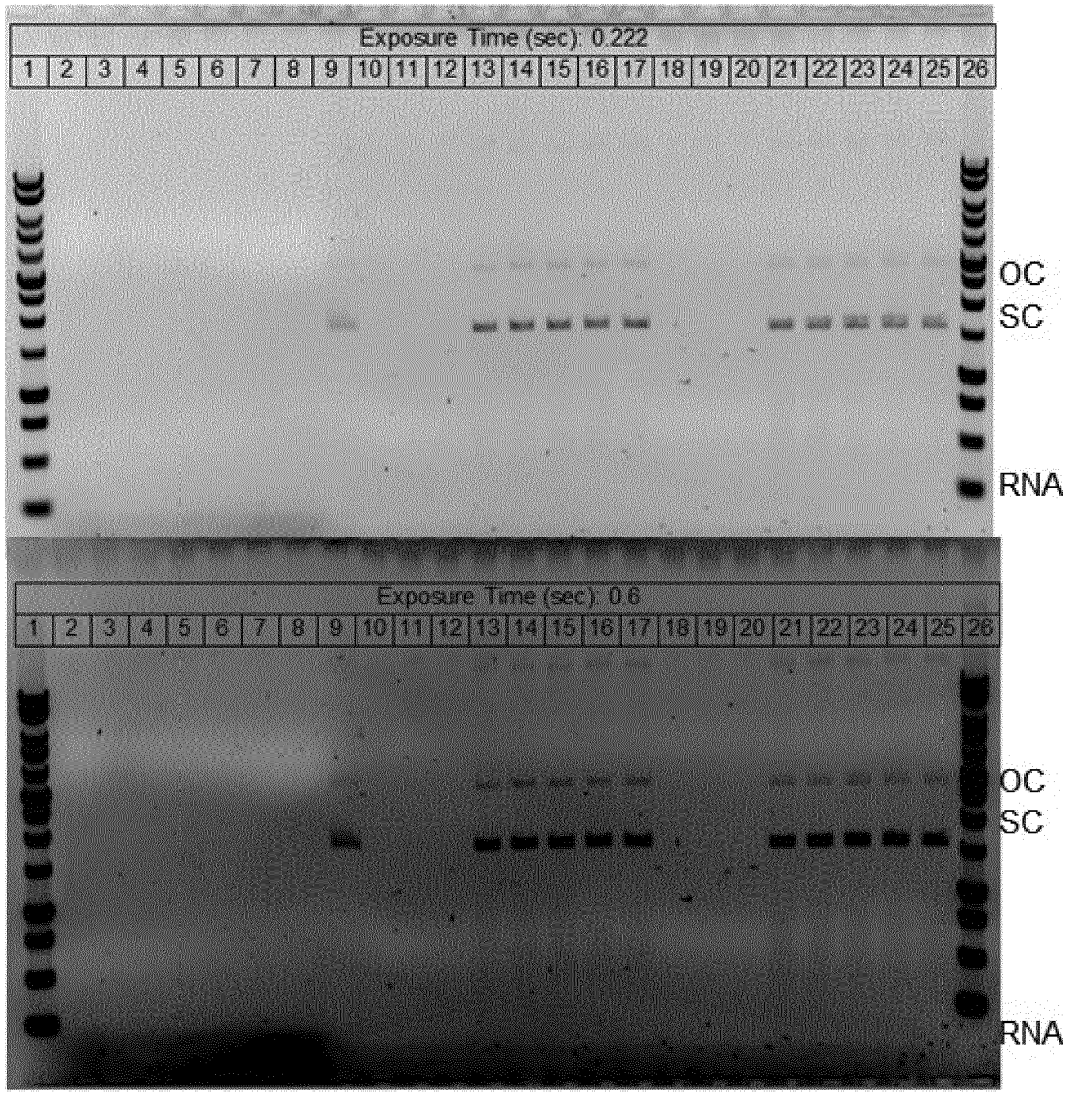


Fig. 3B

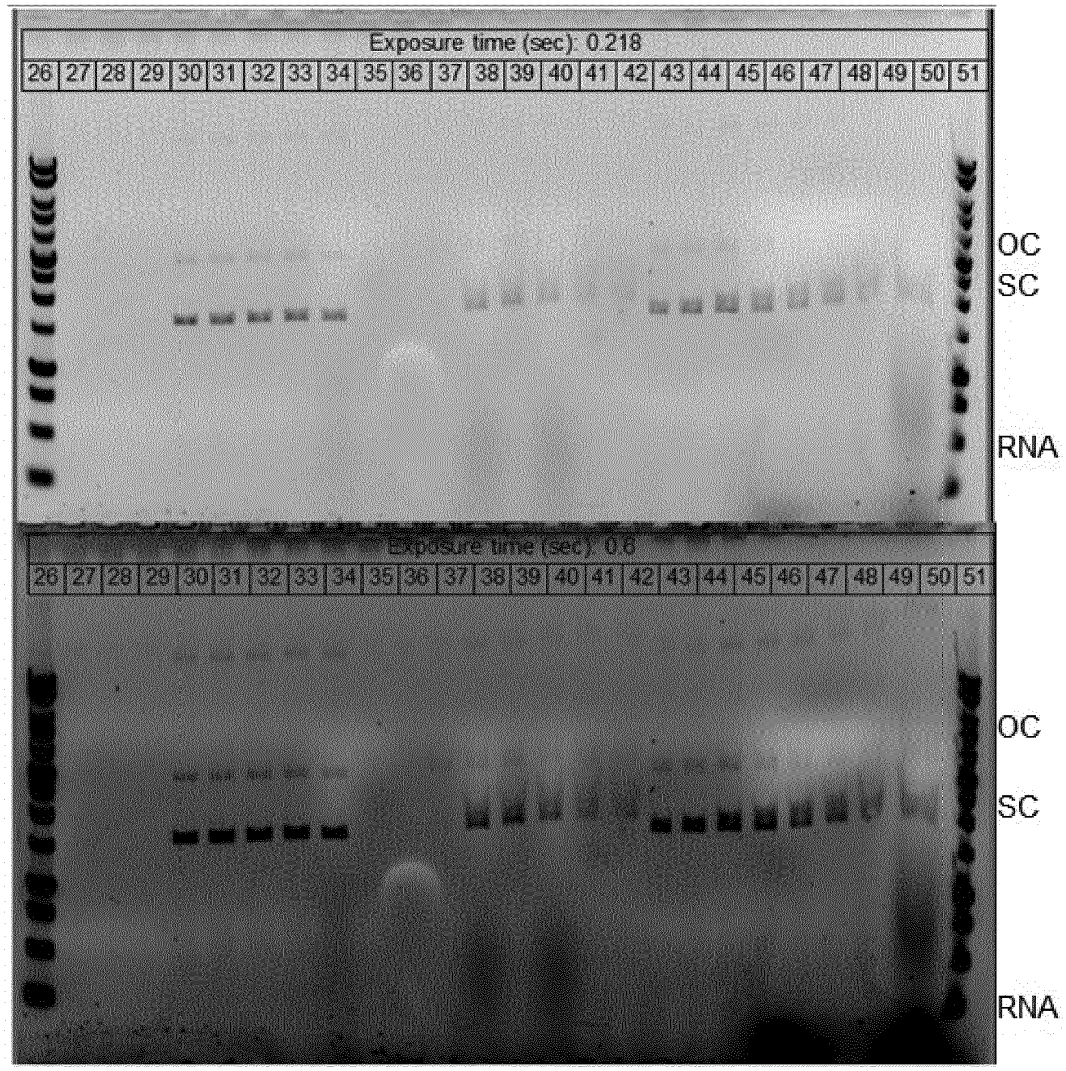

Exposure time (sec): 0.218
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
OC
SC
RNA
Exposure time (sec): 0.6
26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51
OC
SC
RNA

Fig. 3C

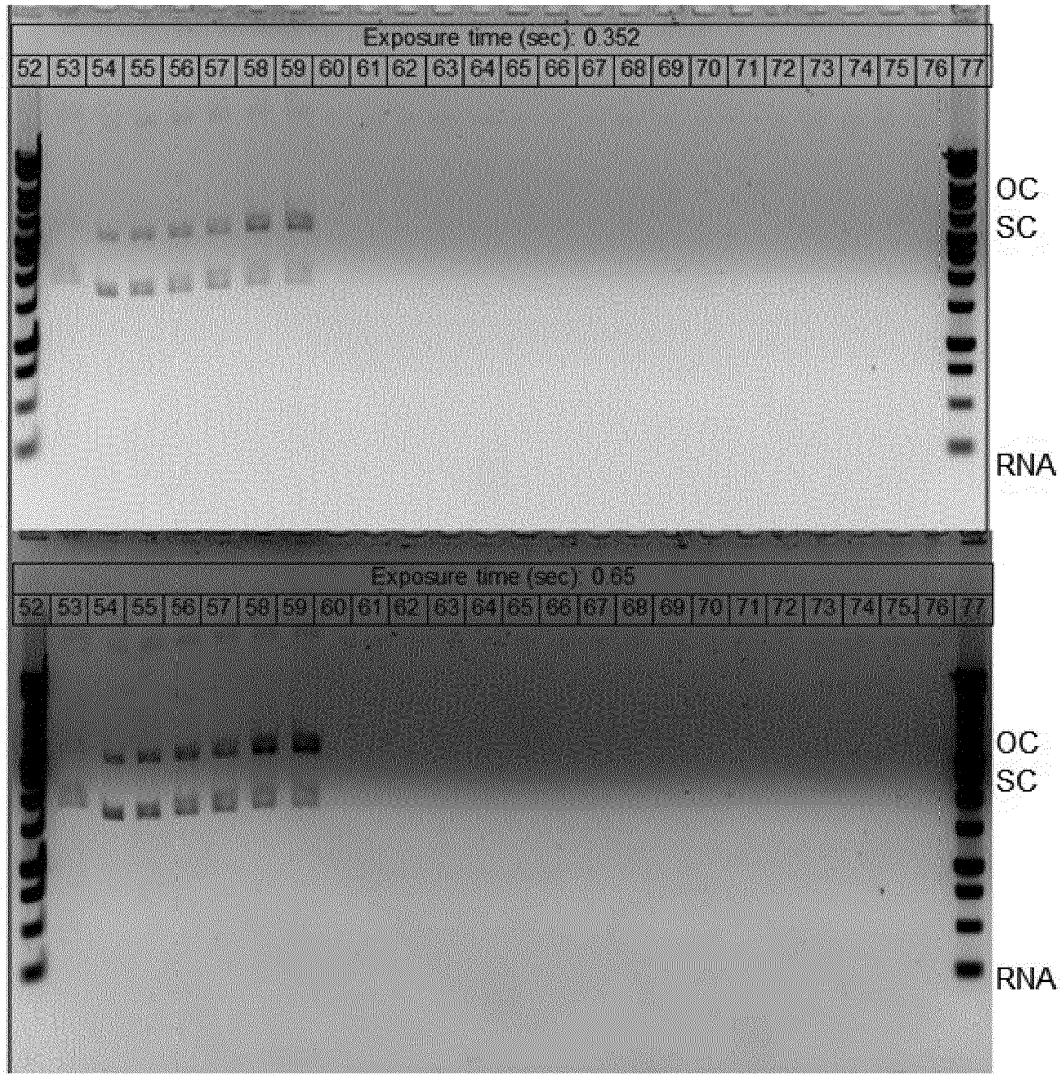

Exposure time (sec): 0.352
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77
OC
SC
RNA
Exposure time (sec): 0.65
52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77
OC
SC
RNA

Fig. 3D

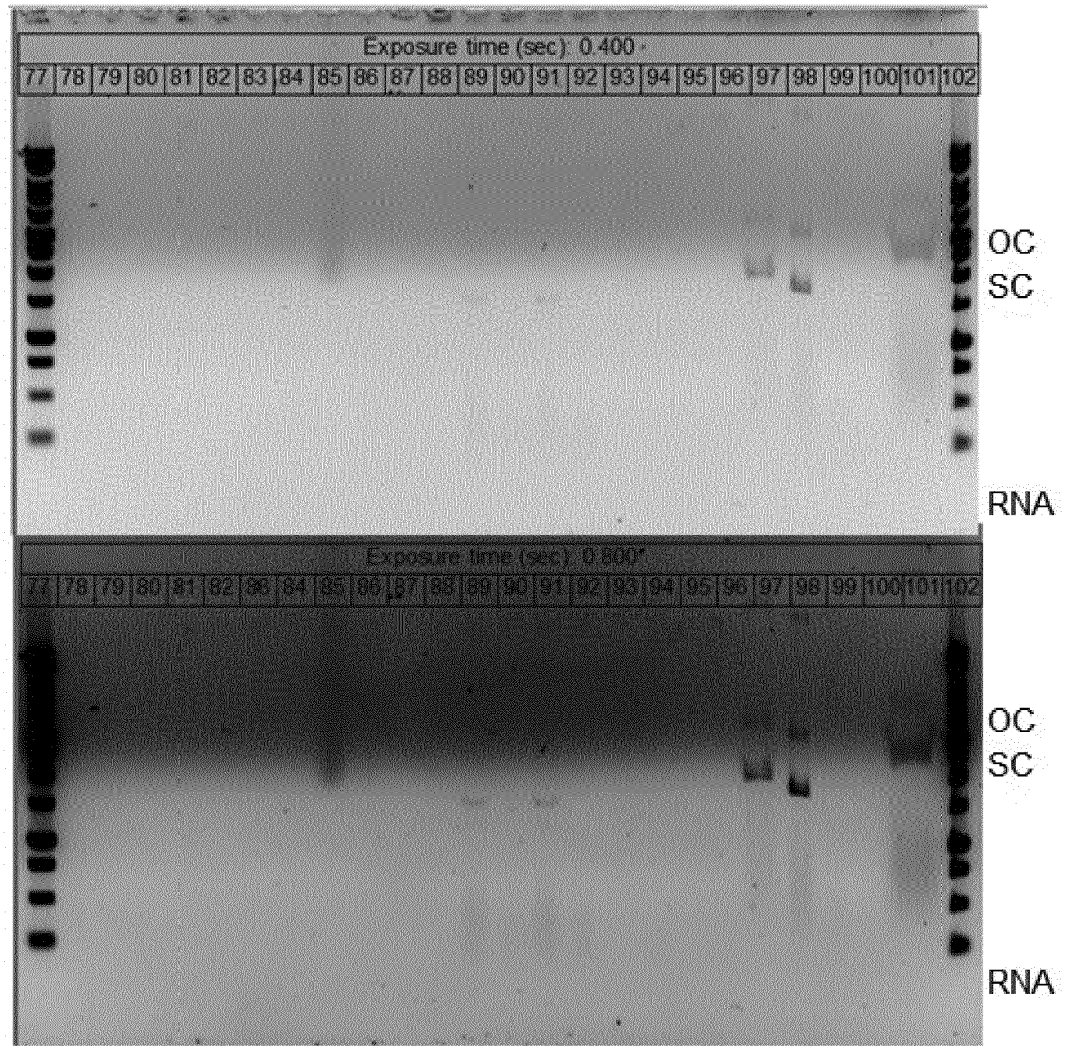

Exposure time (sec): 0.400
77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102
OC
SC
RNA
Exposure time (sec): 0.800
77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102
OC
SC
RNA

Fig. 4:

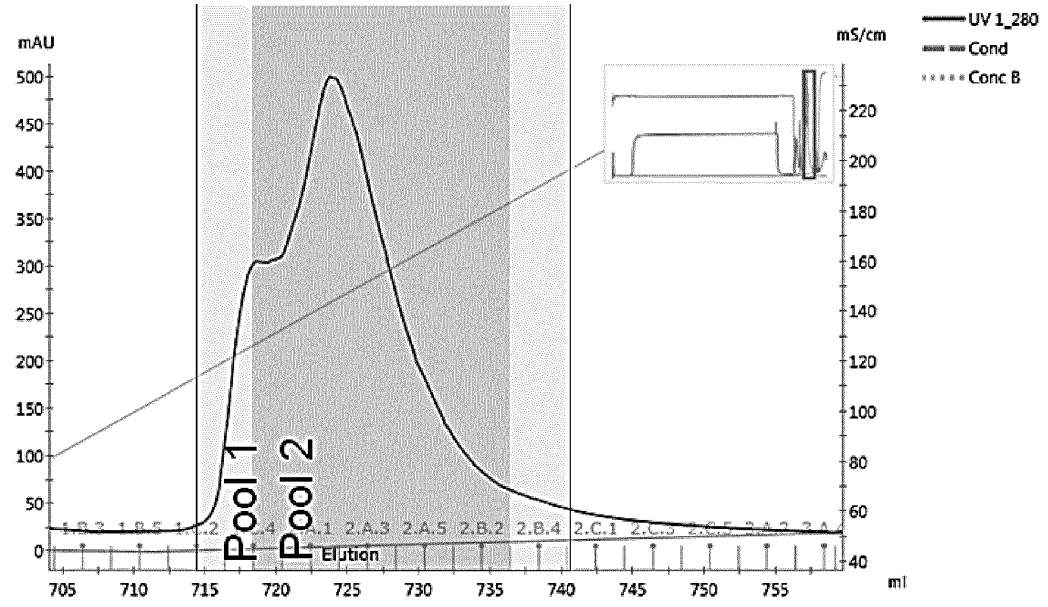

mAU
mS/cm
UV 1_280
Cond
Conc B
Pool 1
Pool 2
Elution
ml

Fig. 5:

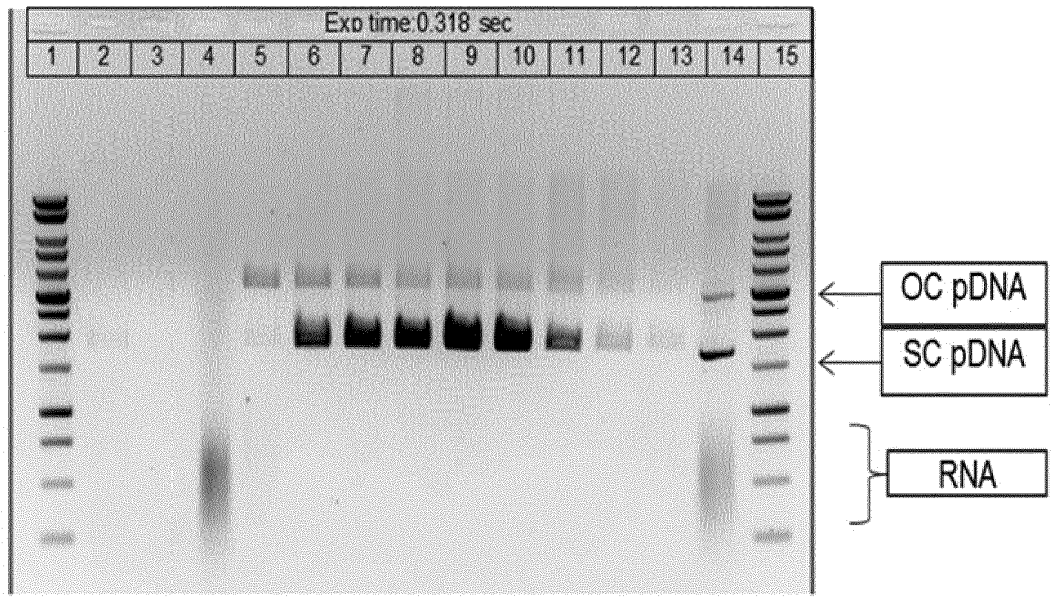

Exp time:0.318 sec
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
OC pDNA
SC pDNA
RNA

Fig. 6:

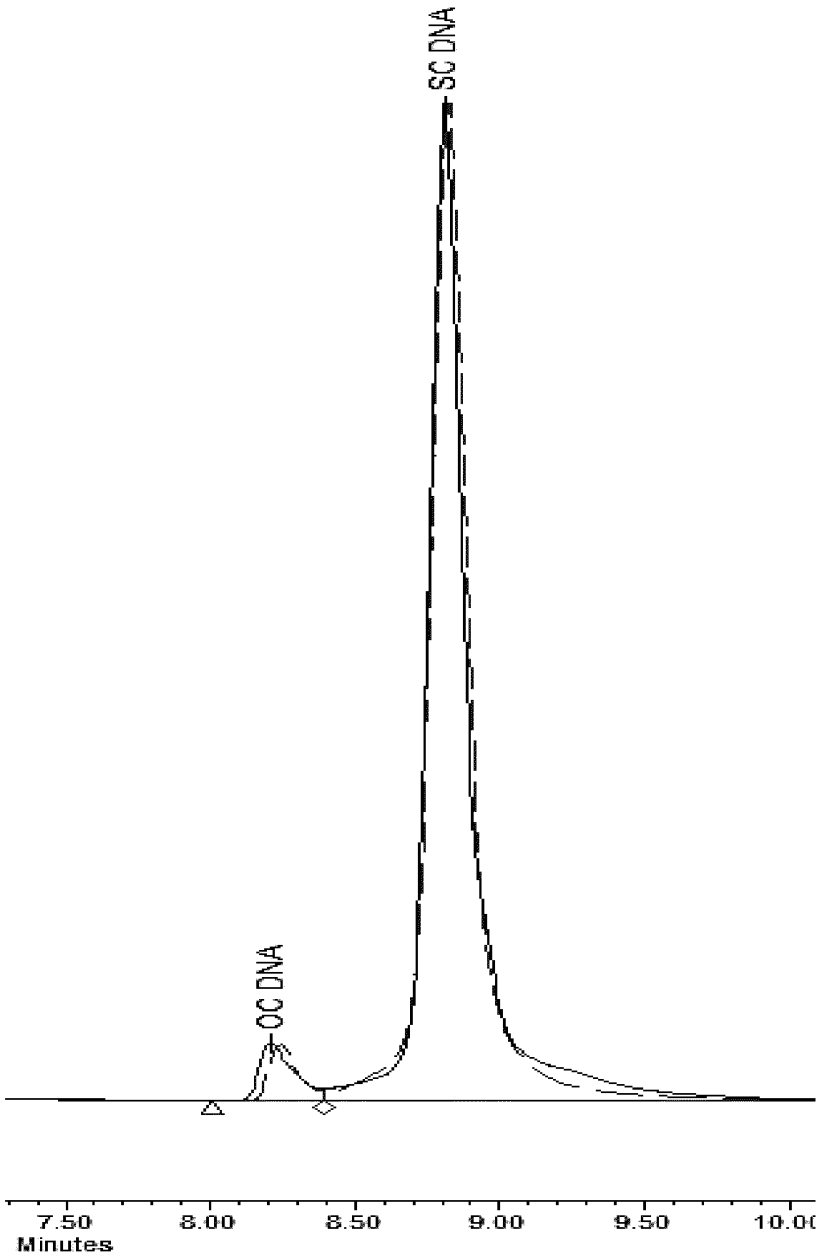


Fig. 7:

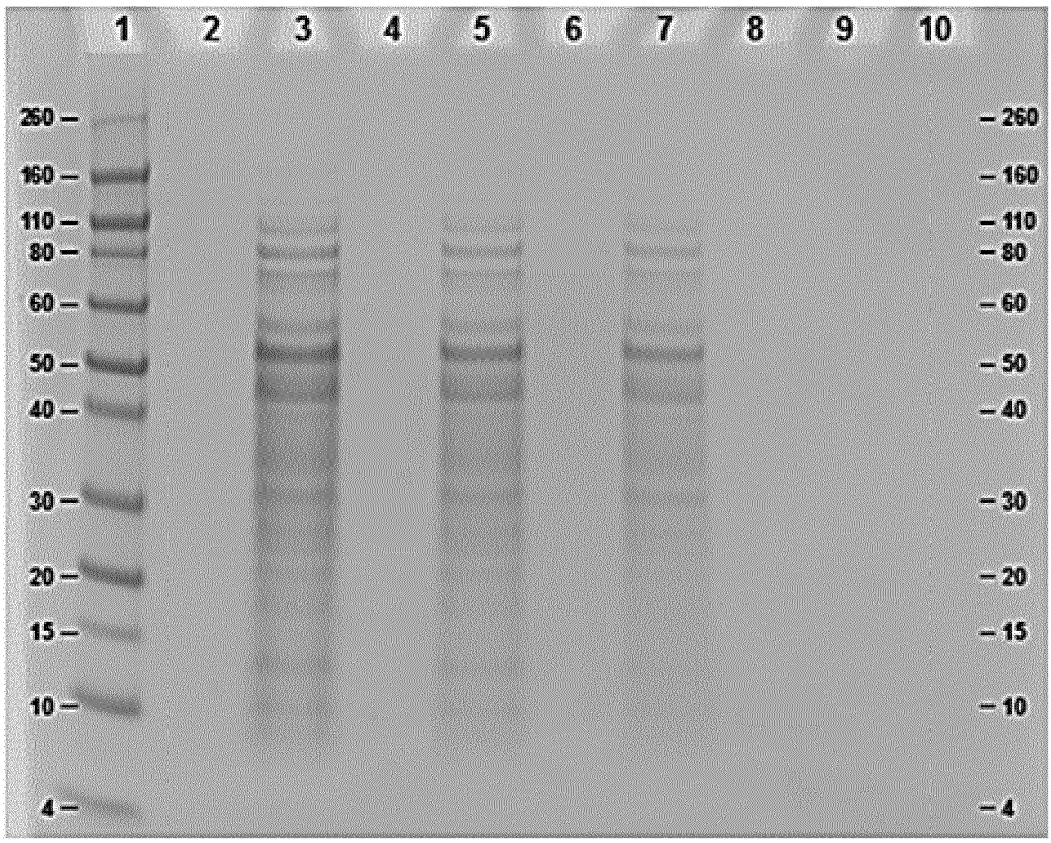

1
2
3
4
5
6
7
8
9
10
260
160
110
80
60
50
40
30
20
15
10
4

Fig. 8:

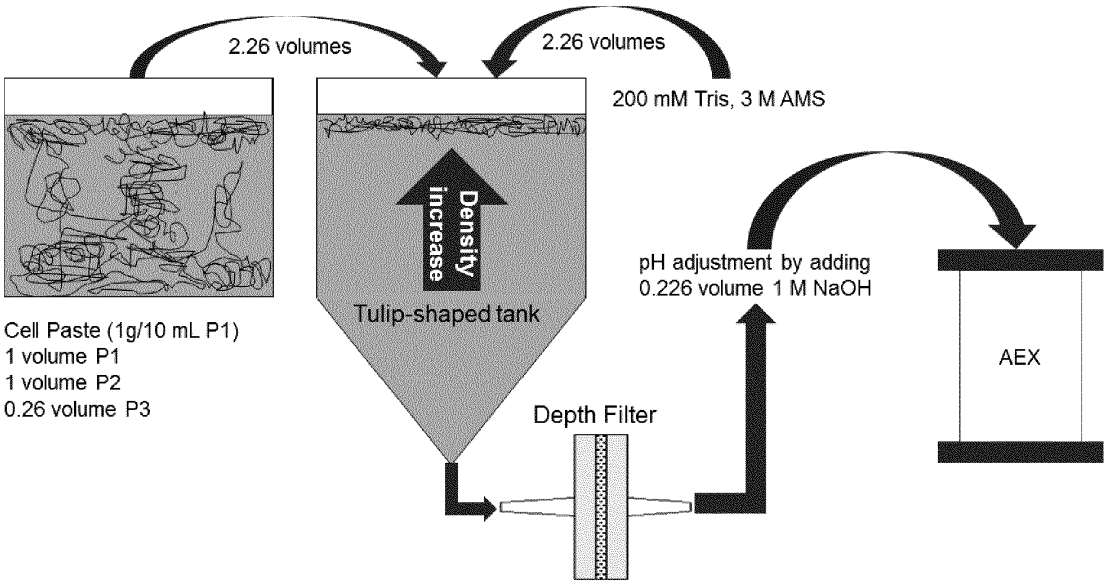
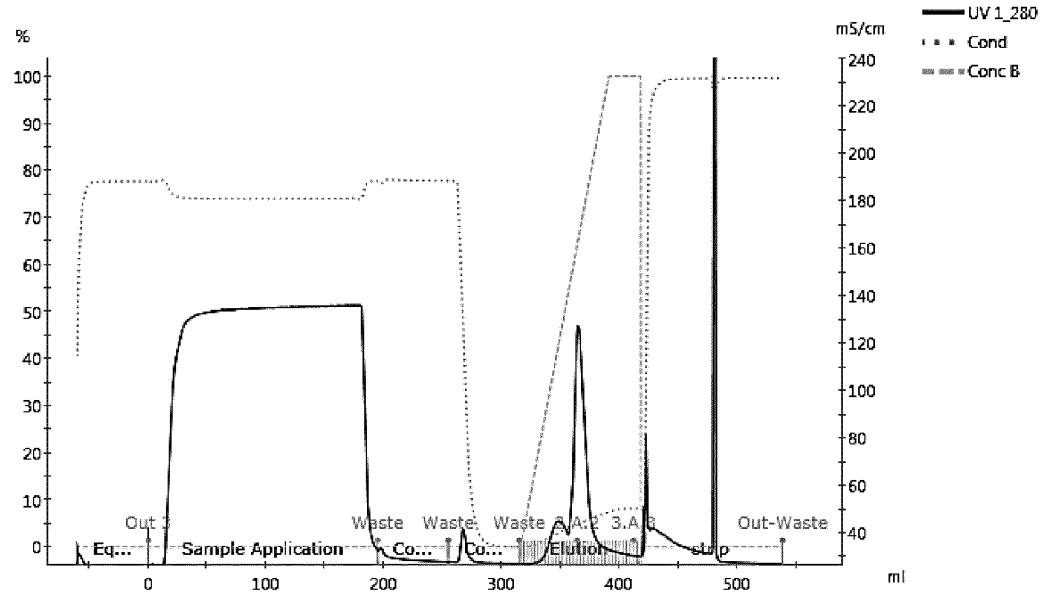

2.26 volumes
2.26 volumes
200 mM Tris, 3 M AMS
Density increase
Tulip-shaped tank
pH adjustment by adding
0.226 volume 1 M NaOH
AEX
Depth Filter
Cell Paste (1g/10 mL P1)
1 volume P1
1 volume P2
0.26 volume P3

Fig. 9:


%
mS/cm
UV 1_280
Cond
Conc B
Out 2
Waste
Waste
Waste
3.A:2
3.A:3
Out-Waste
Eq...
Sample Application
Co...
Co...
Elution
Strip
ml