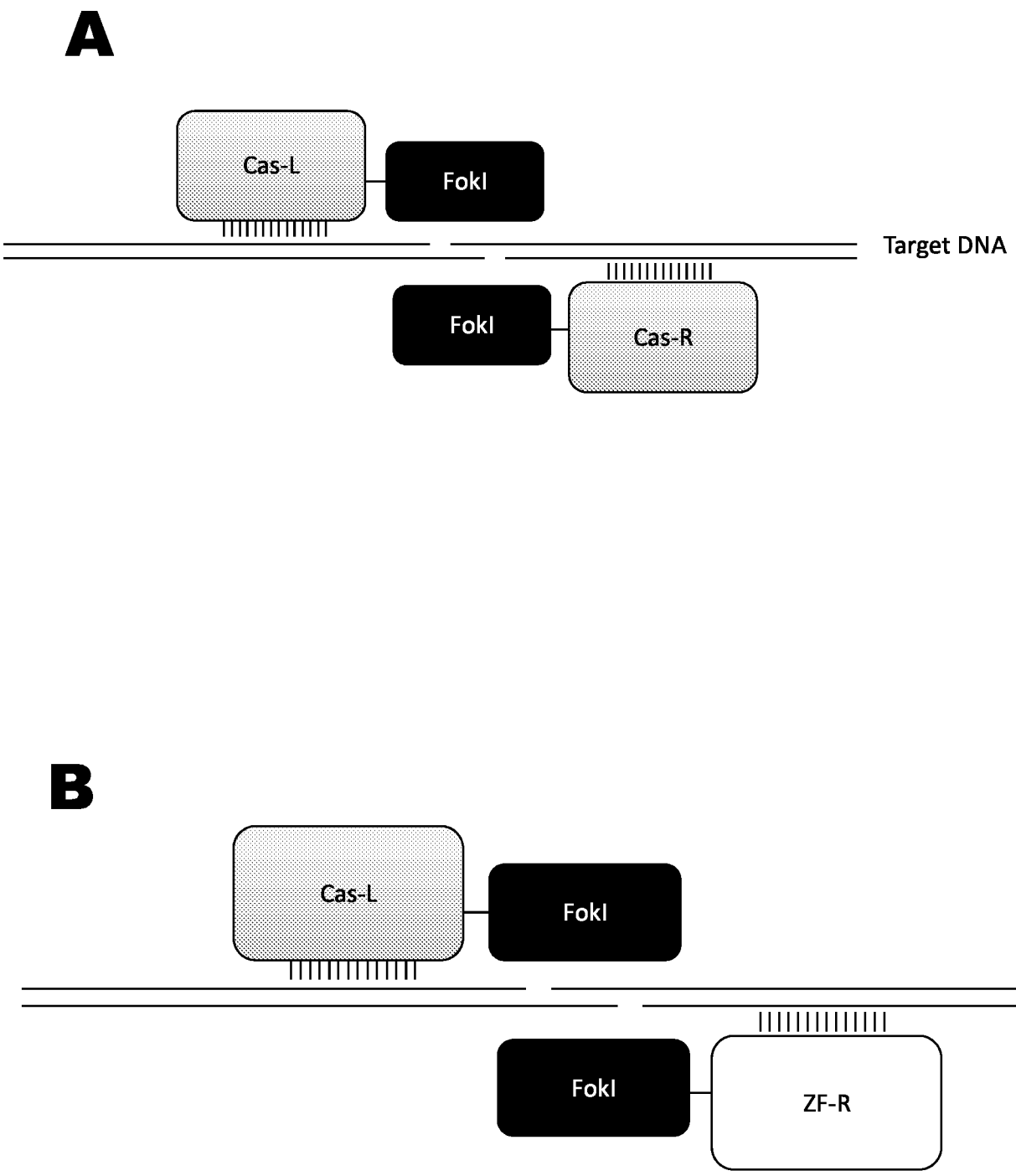
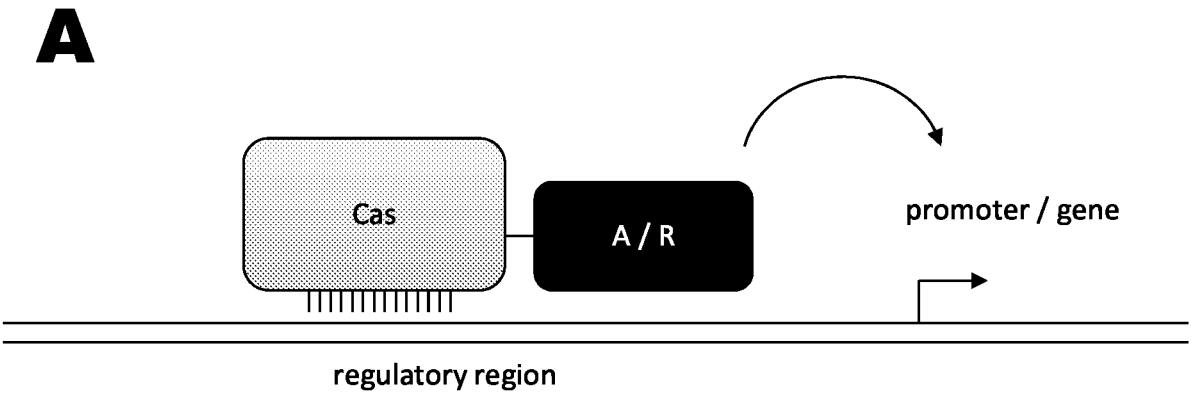


FIG. 1


A
Cas
A / R
promoter / gene
regulatory region

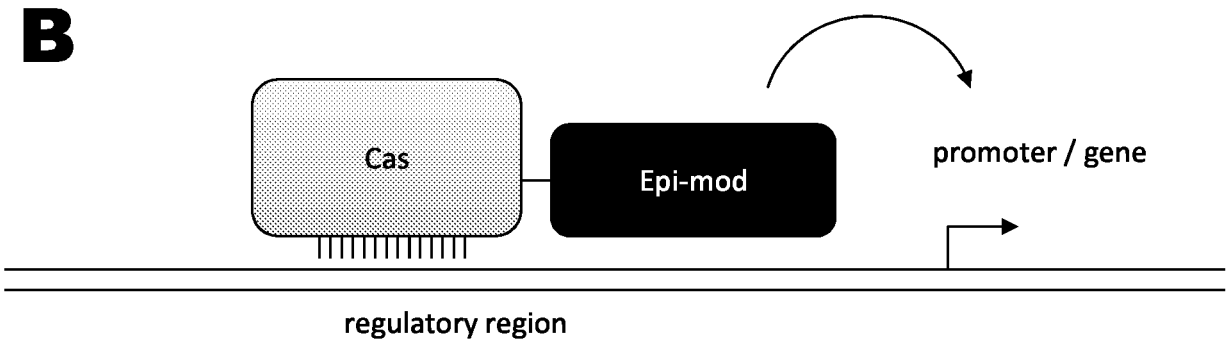

B
Cas
Epi-mod
promoter / gene
regulatory region

FIG. 2

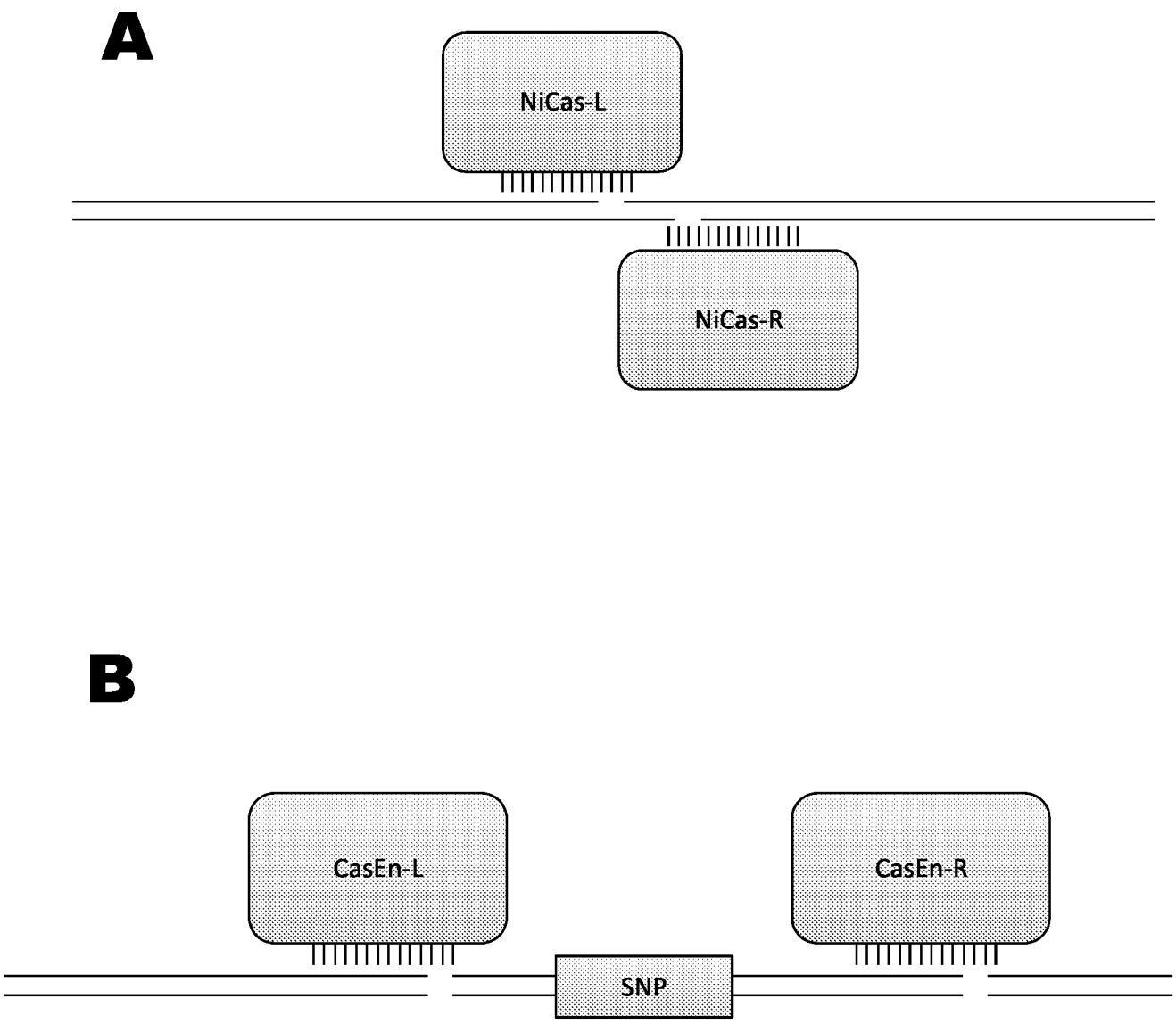


FIG. 3

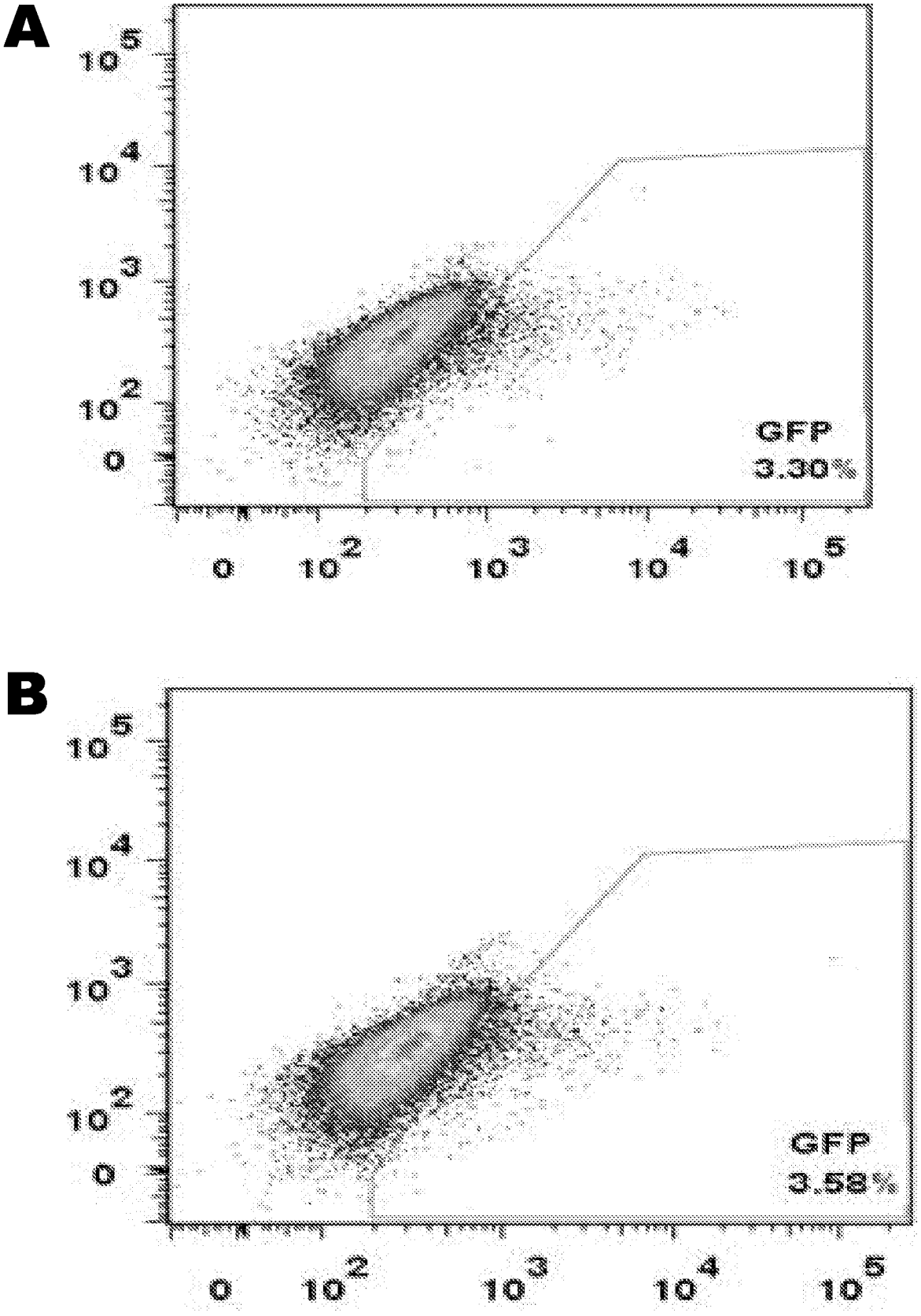

A
10^5
10^4
10^3
10^2
0
GFP
3.30%
0
10^2
10^3
10^4
10^5
B
10^5
10^4
10^3
10^2
0
GFP
3.58%
0
10^2
10^3
10^4
10^5

FIG. 4

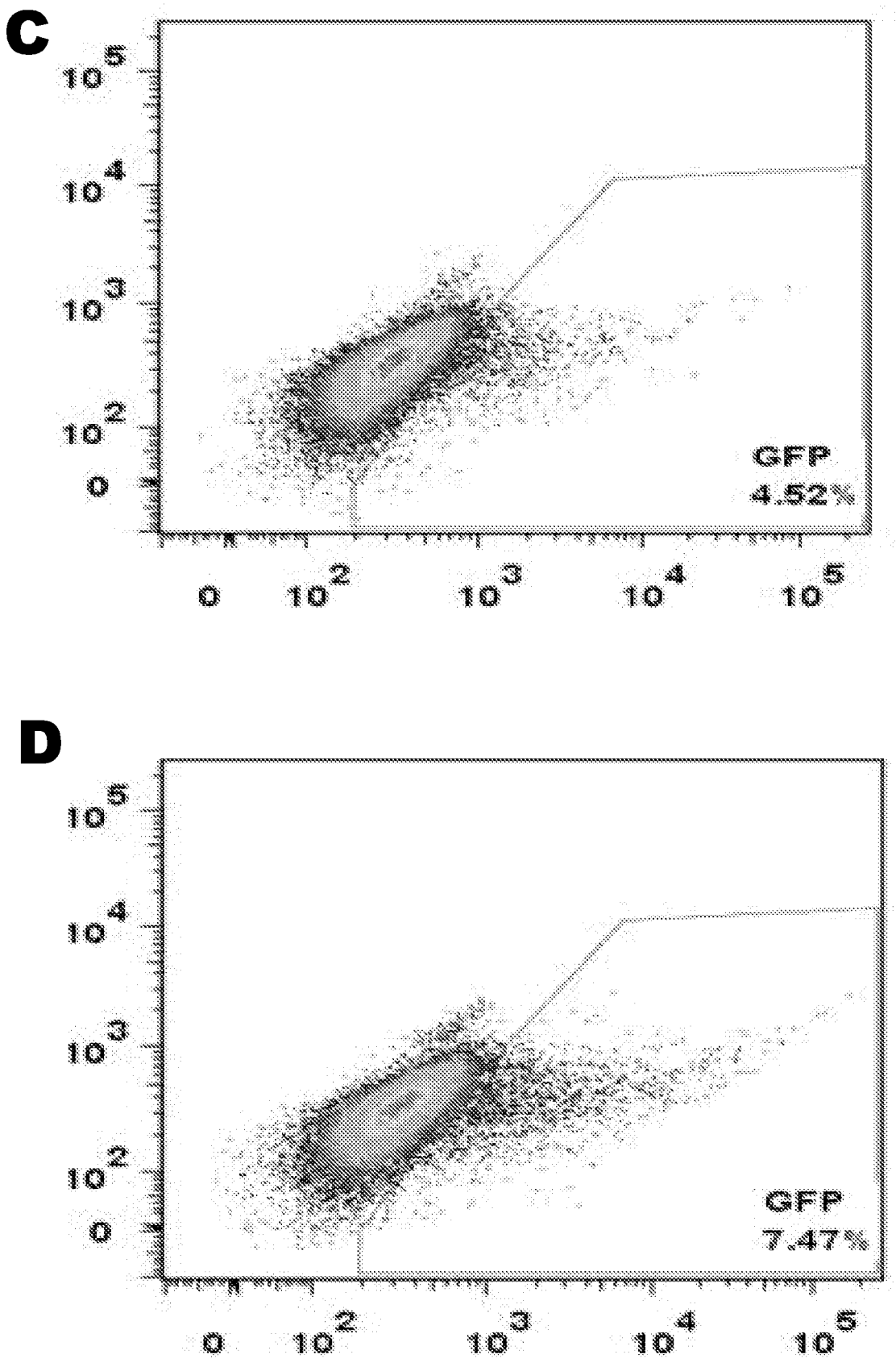

C
10^5
10^4
10^3
10^2
0
GFP
4.52%
0
10^2
10^3
10^4
10^5
D
10^5
10^4
10^3
10^2
0
GFP
7.47%
0
10^2
10^3
10^4
10^5

FIG. 4

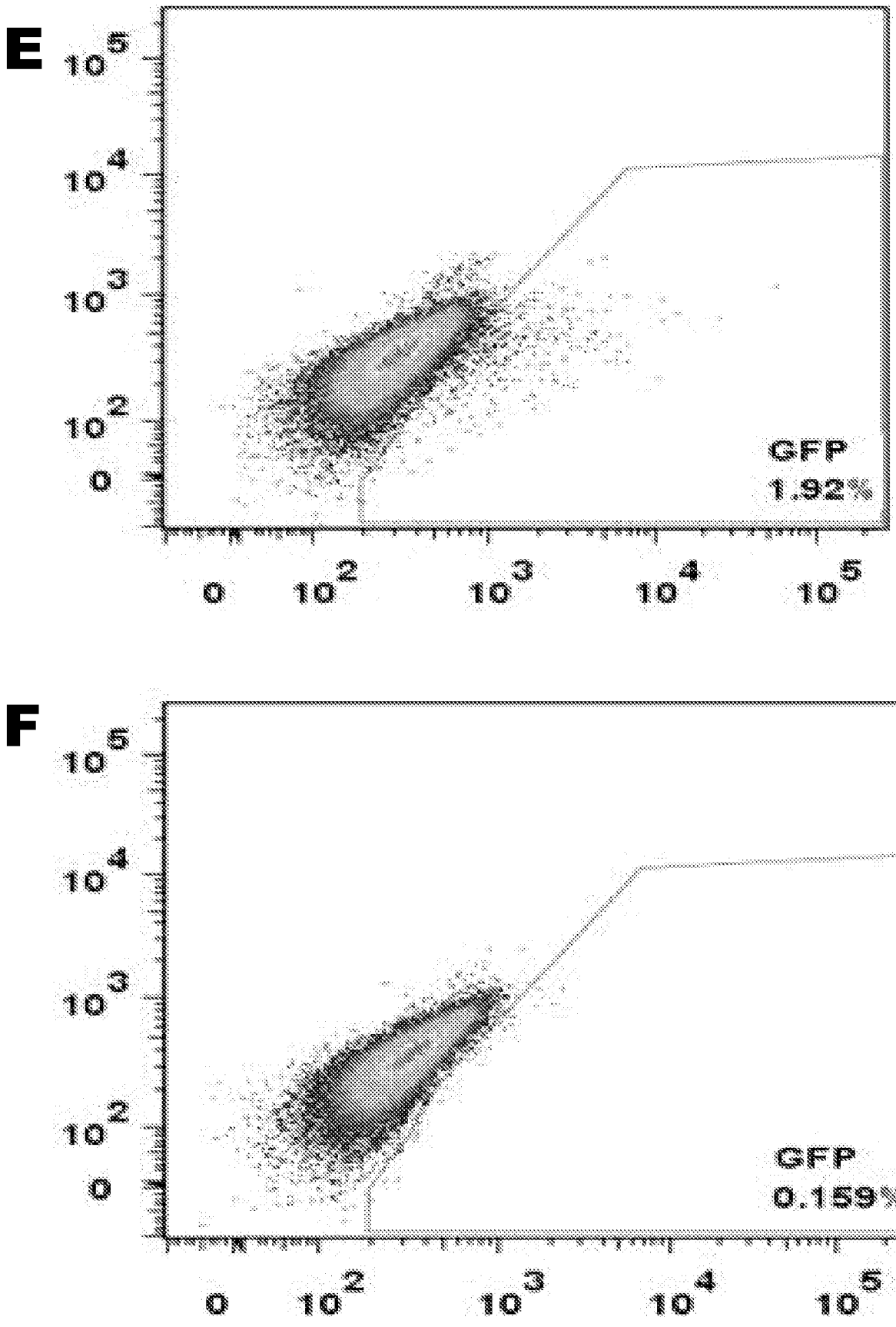

E
10^5
10^4
10^3
10^2
0
GFP
1.92%
0
10^2
10^3
10^4
10^5
F
10^5
10^4
10^3
10^2
0
GFP
0.159%
0
10^2
10^3
10^4
10^5

FIG. 4

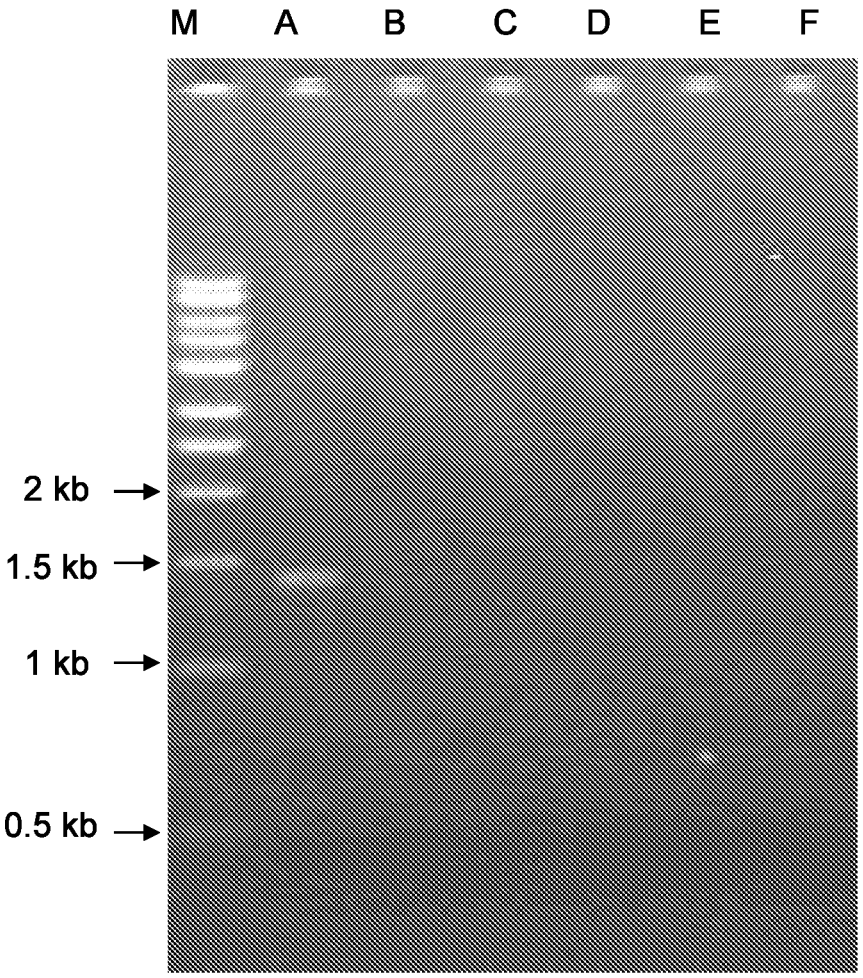


FIG. 5