

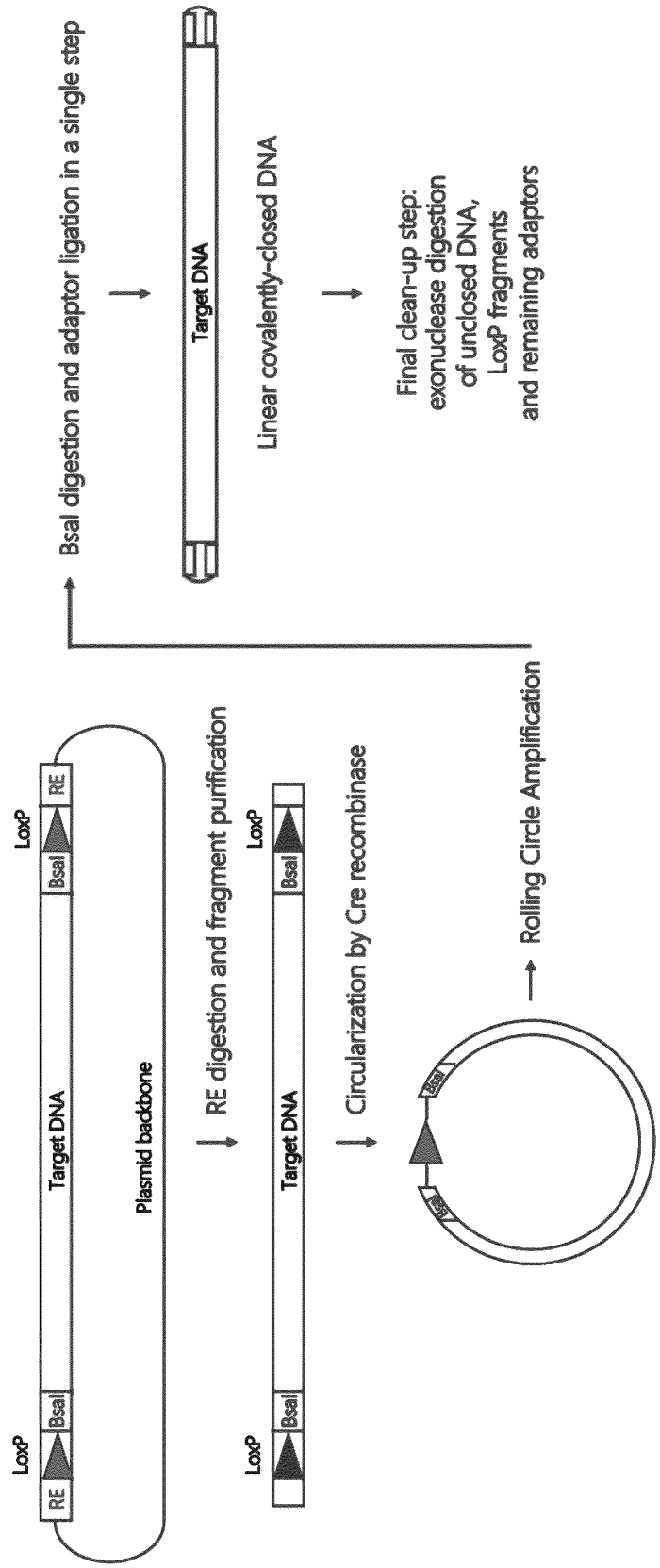


Fig. 1

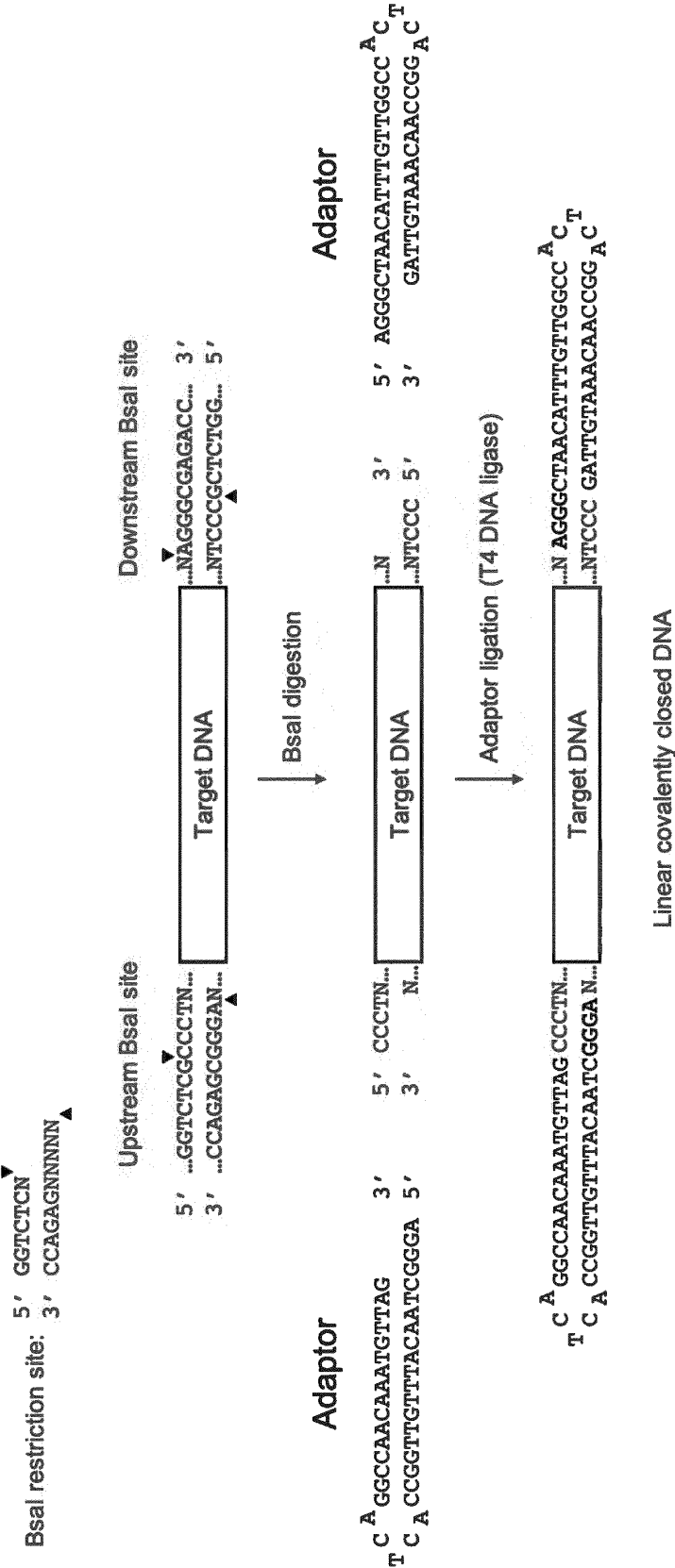


Fig. 2

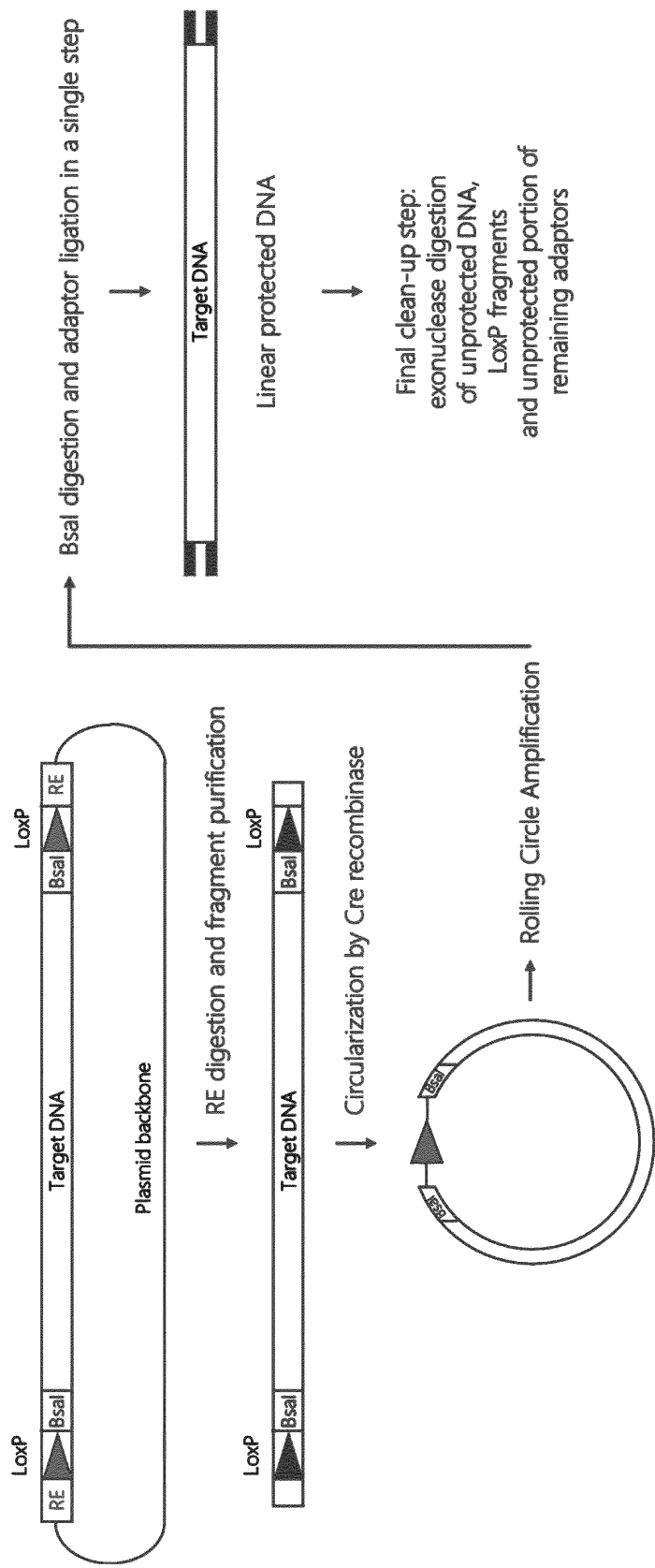


Fig. 3

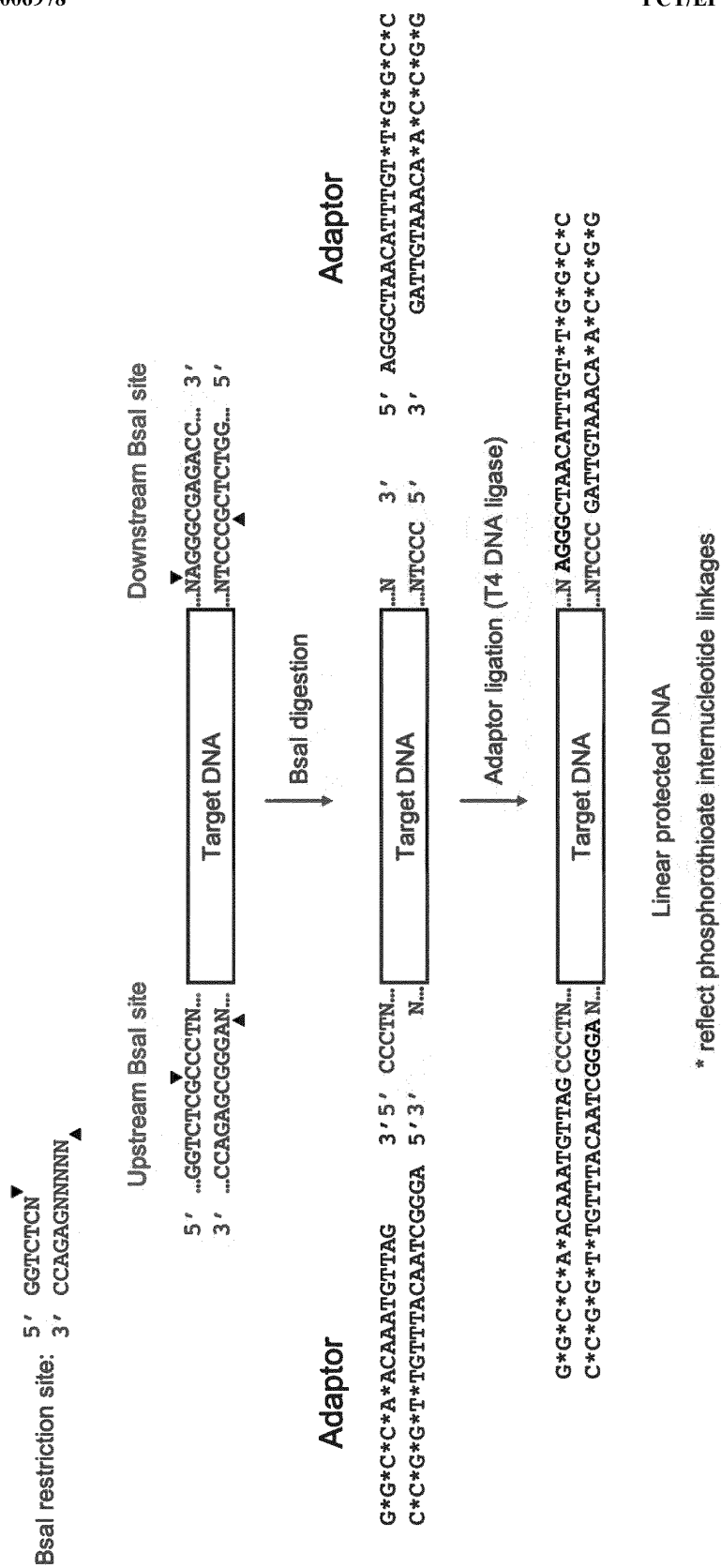


Fig. 4

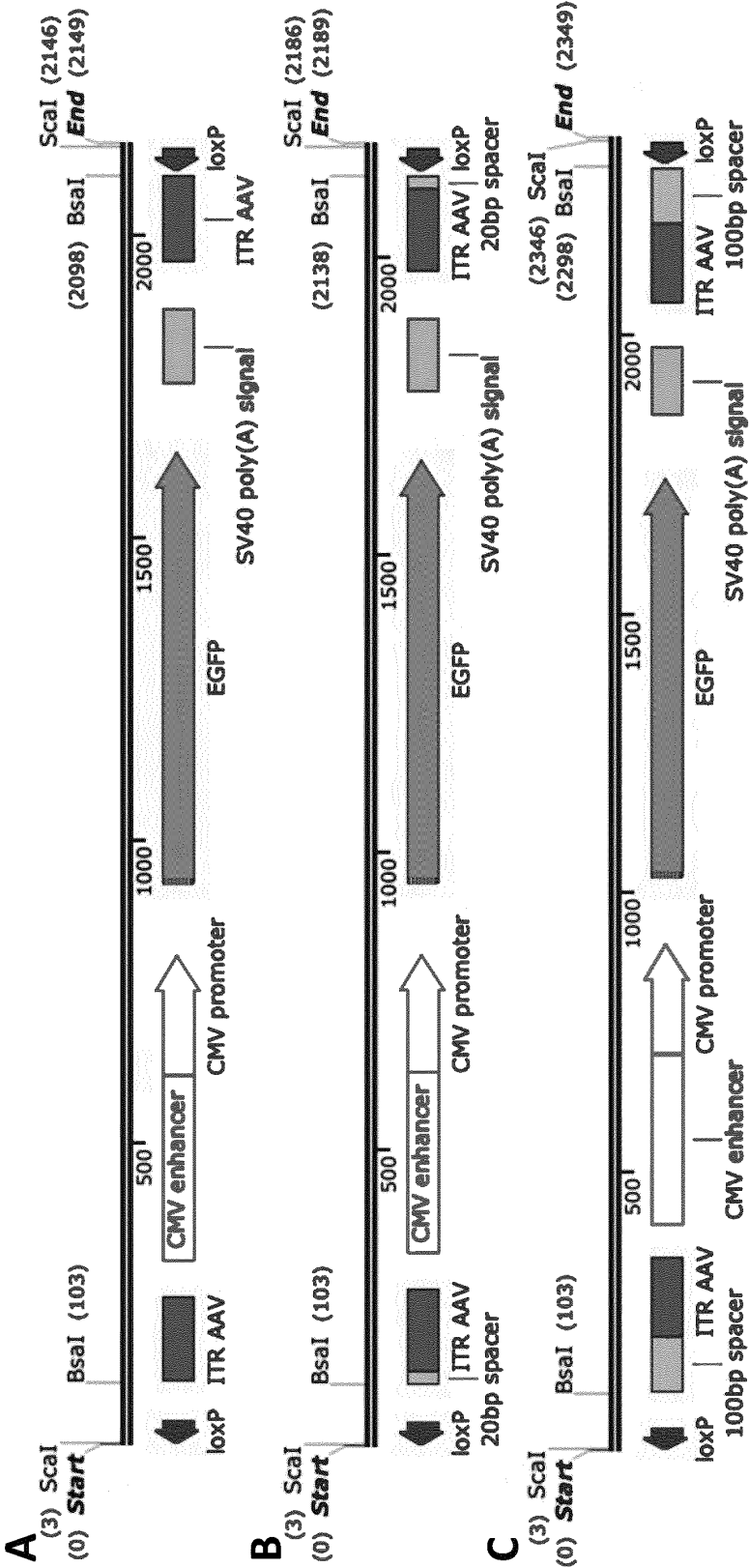


Fig. 5

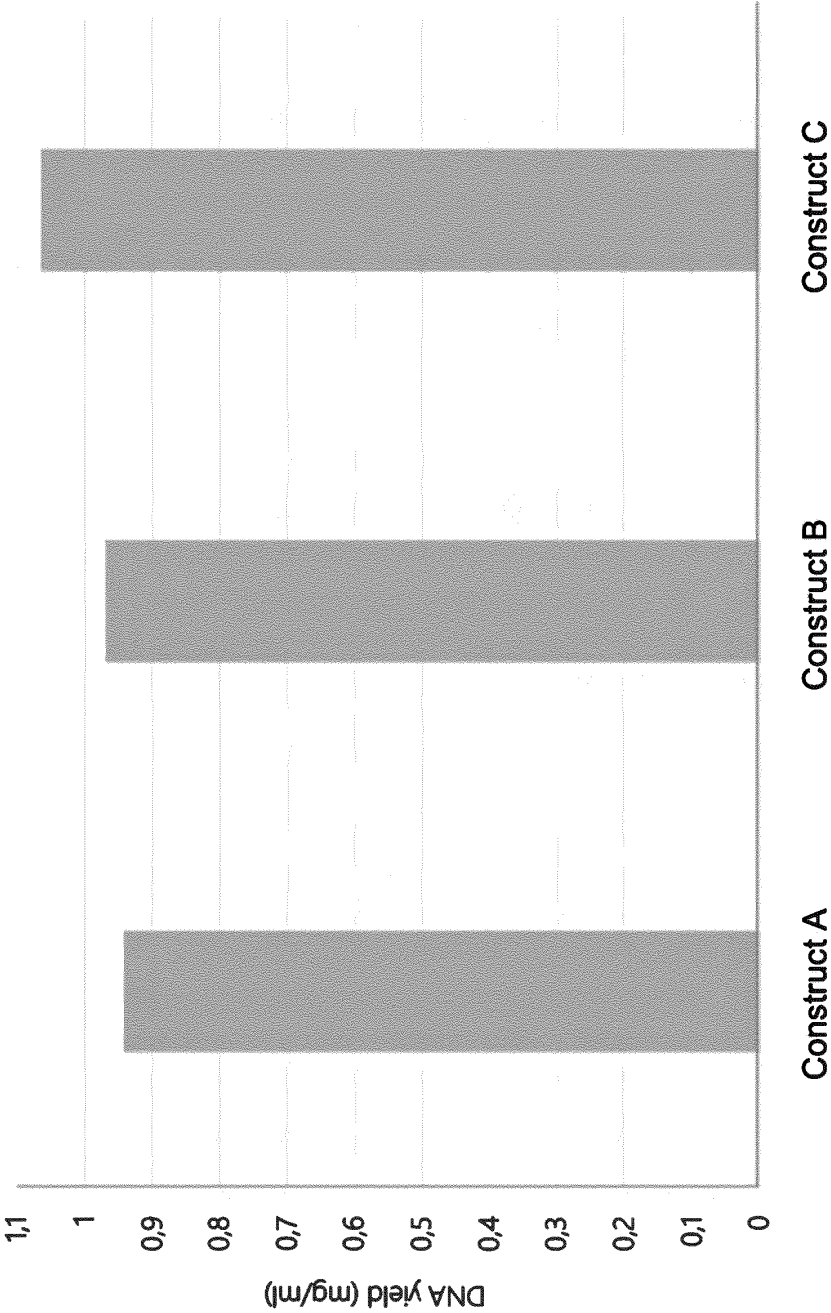


Fig. 6

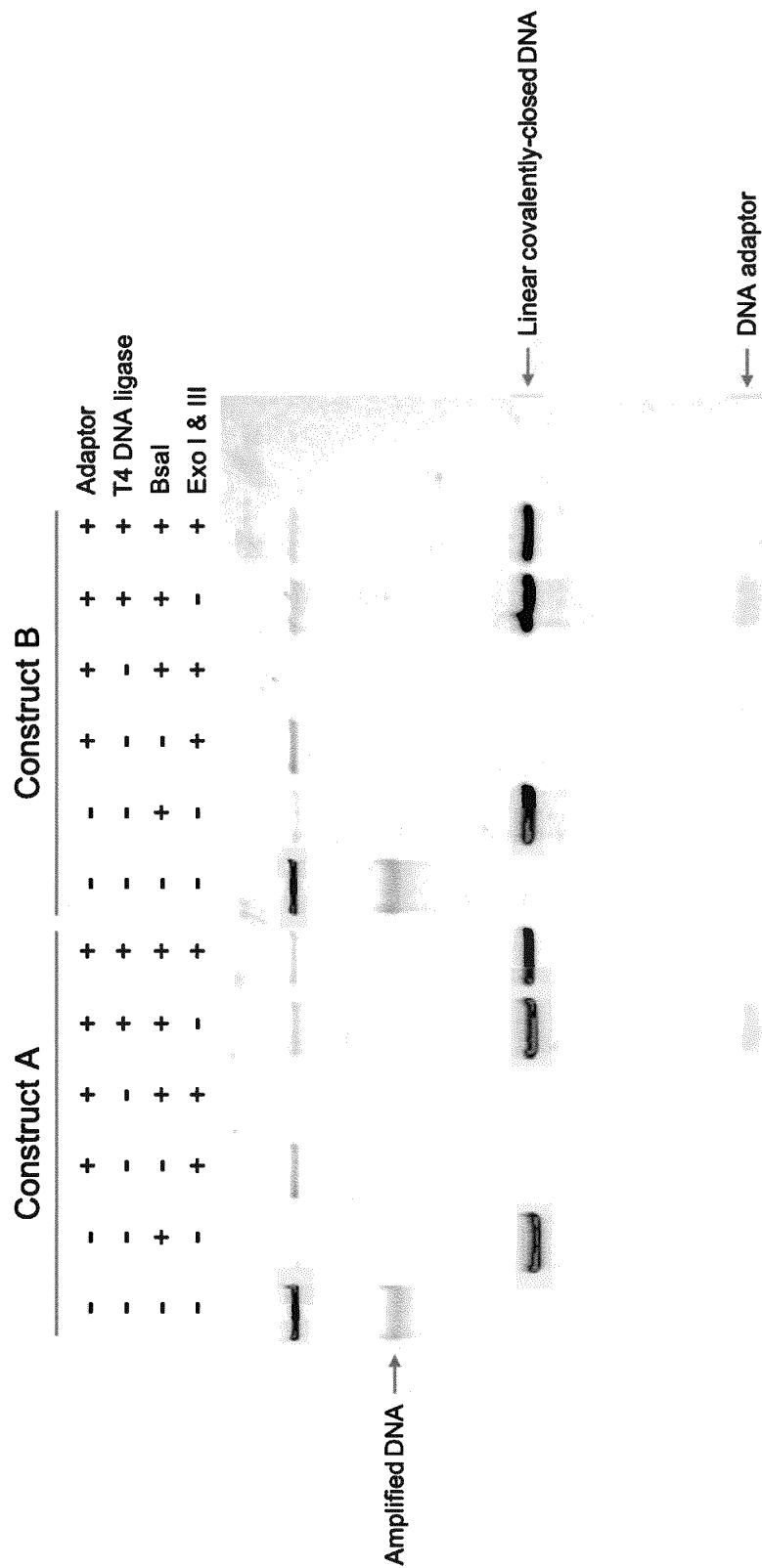


Fig. 7

DNA construct	Starting amplified DNA	Ligation yield	Linear covalently closed DNA produced
A	577 µg 577 µg	82% 84%	470 µg 484 µg
B	577 µg 577 µg	61% 77%	350 µg 445 µg
C	577 µg 577 µg	61% 88%	354 µg 507 µg

Fig. 8

Construct A

Construct B

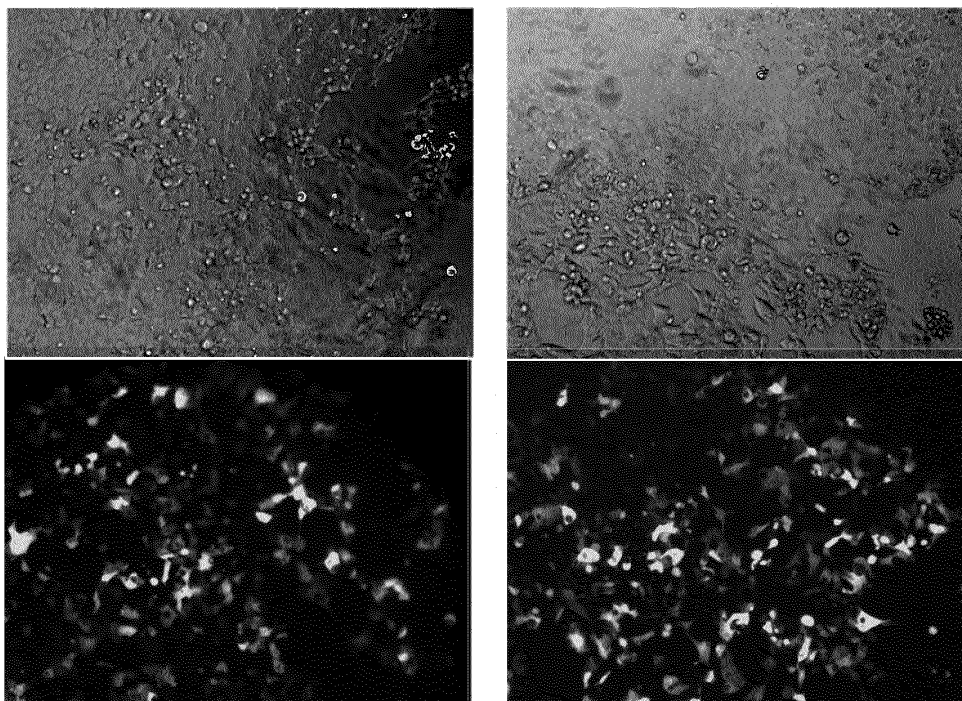


Fig. 9

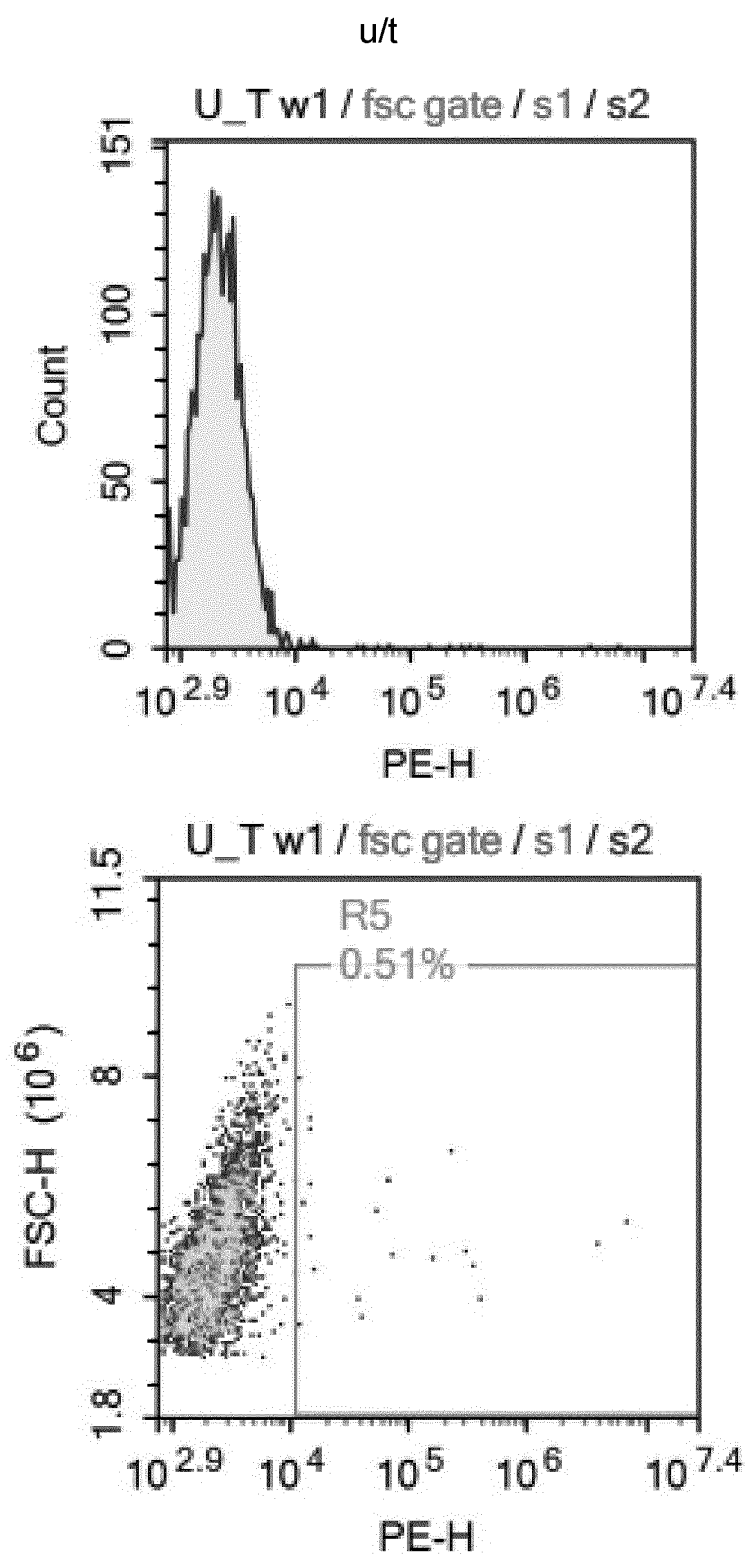


Fig. 10a

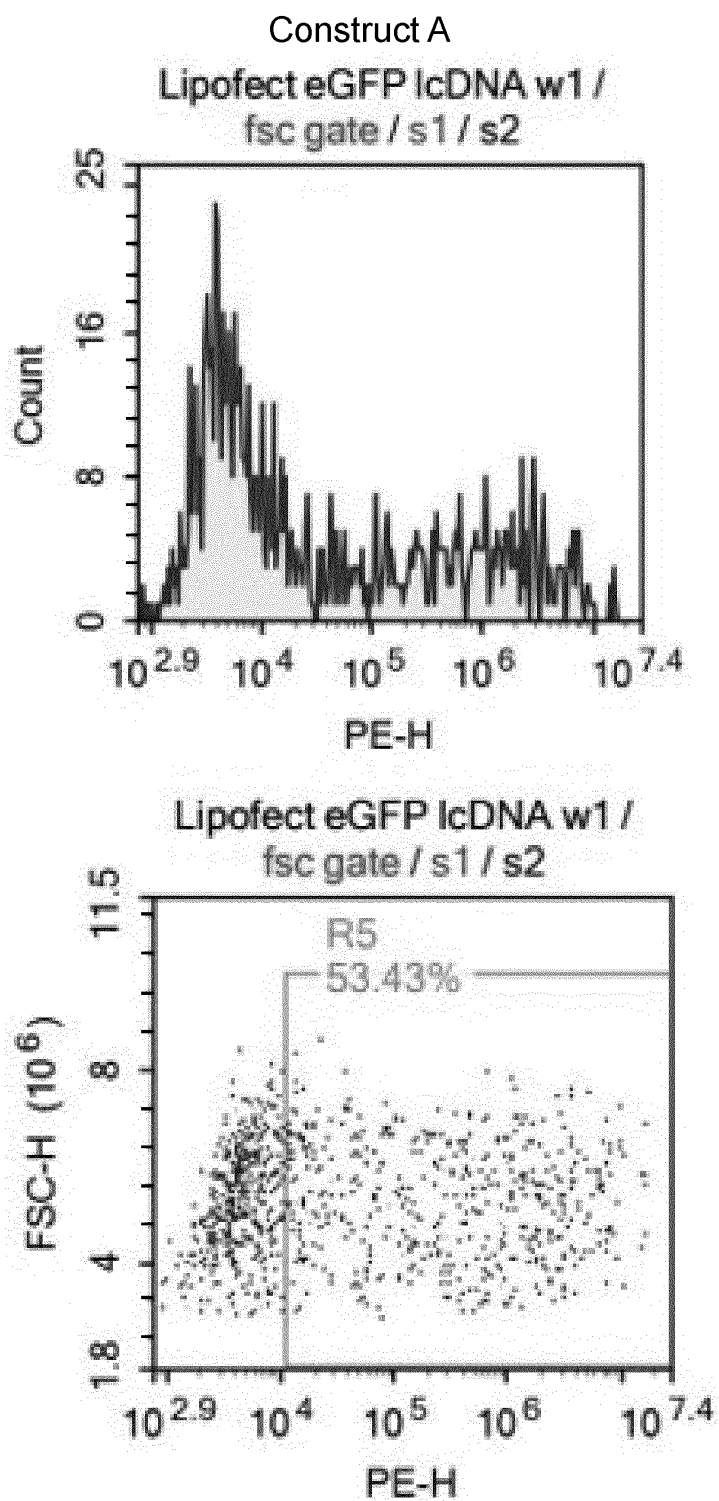


Fig. 10b

Construct B

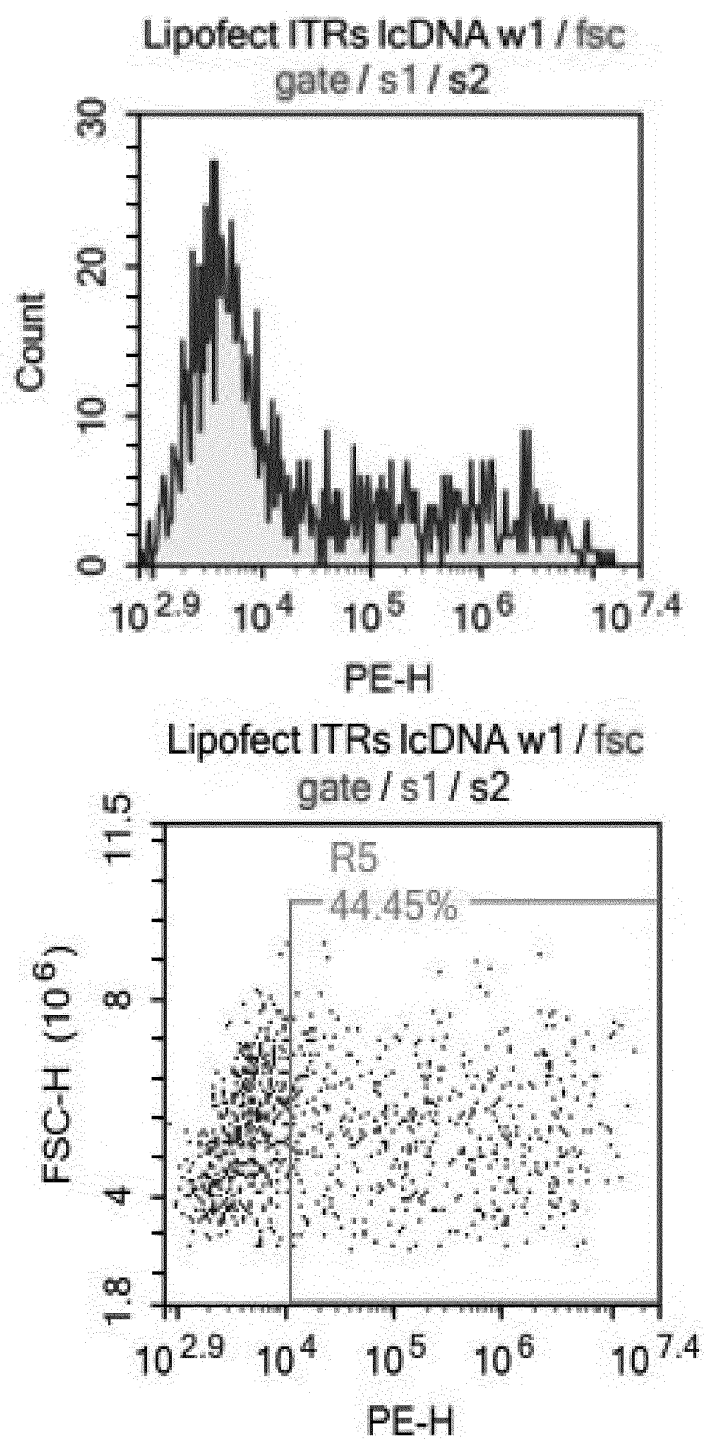


Fig. 10c

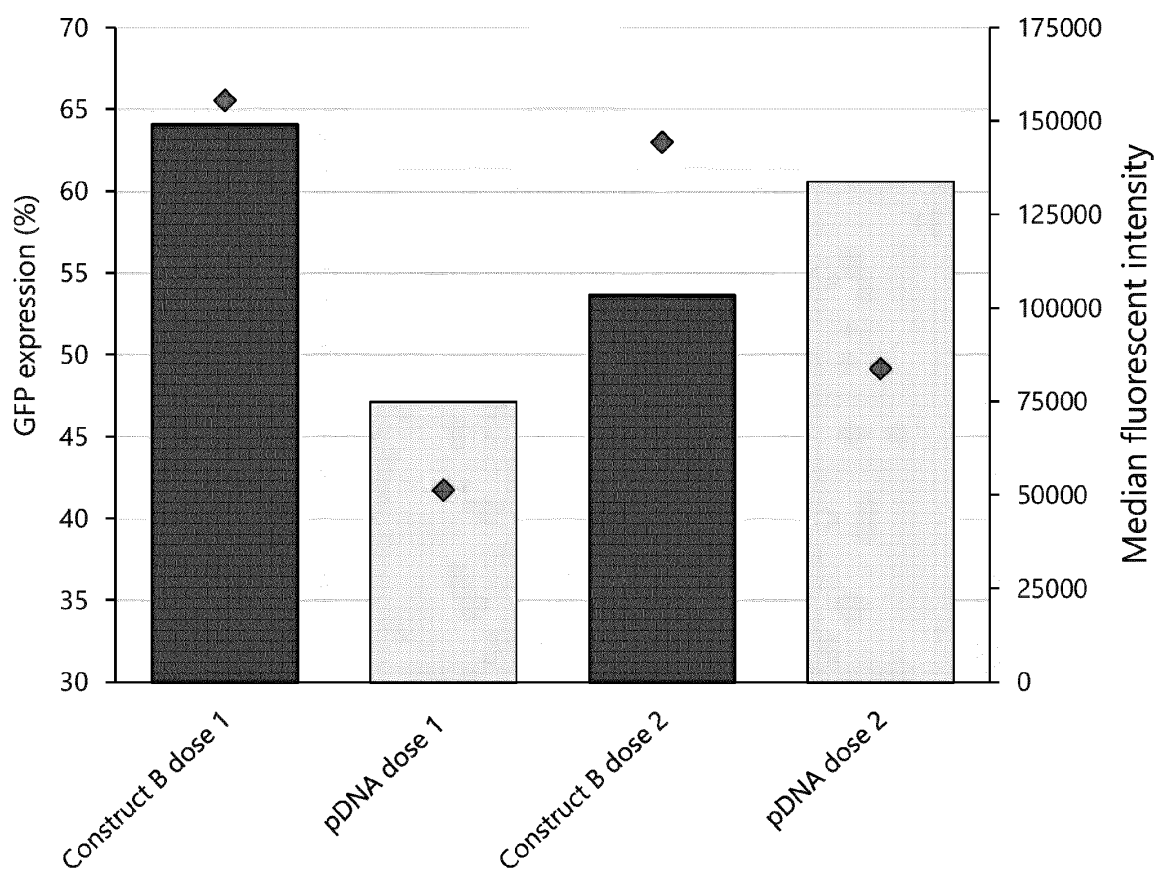


Fig. 11

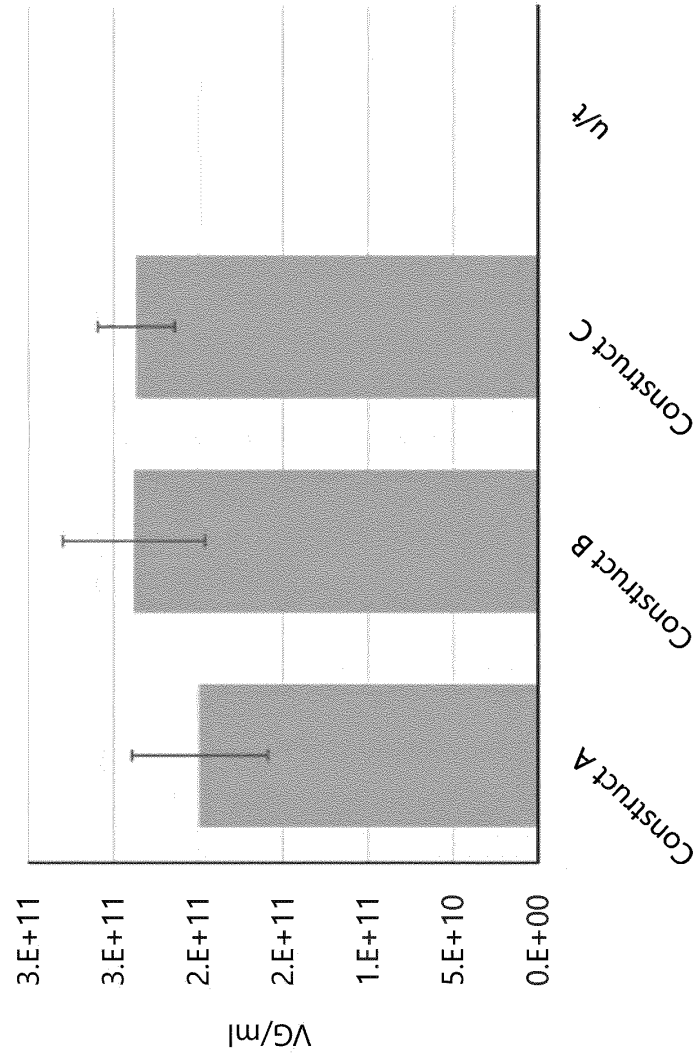


Fig. 12

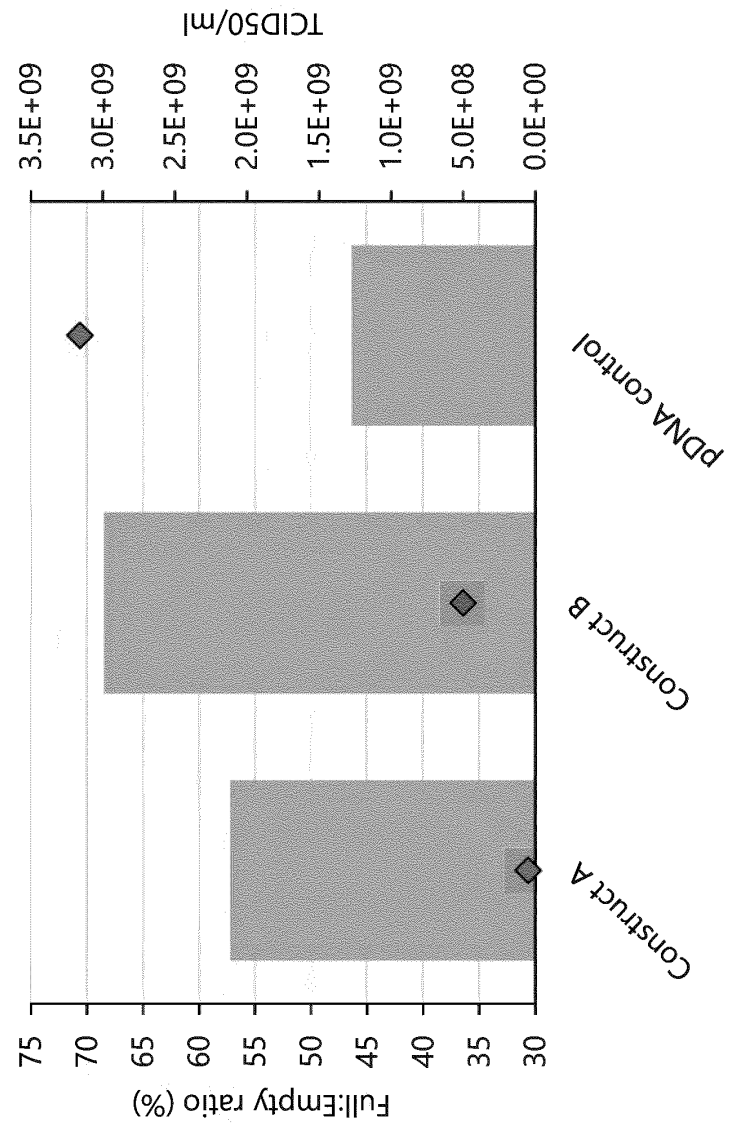


Fig. 13

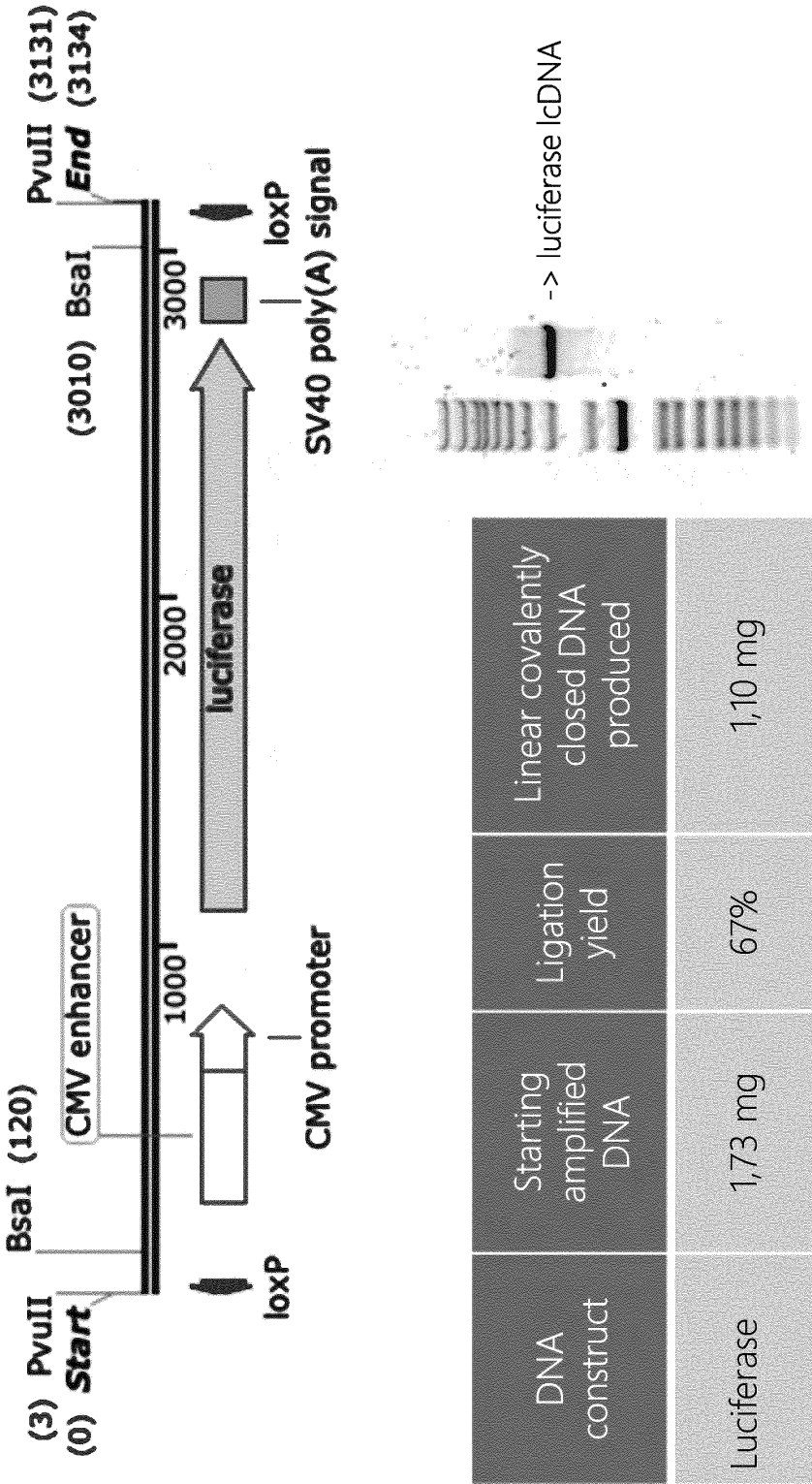


Fig. 14

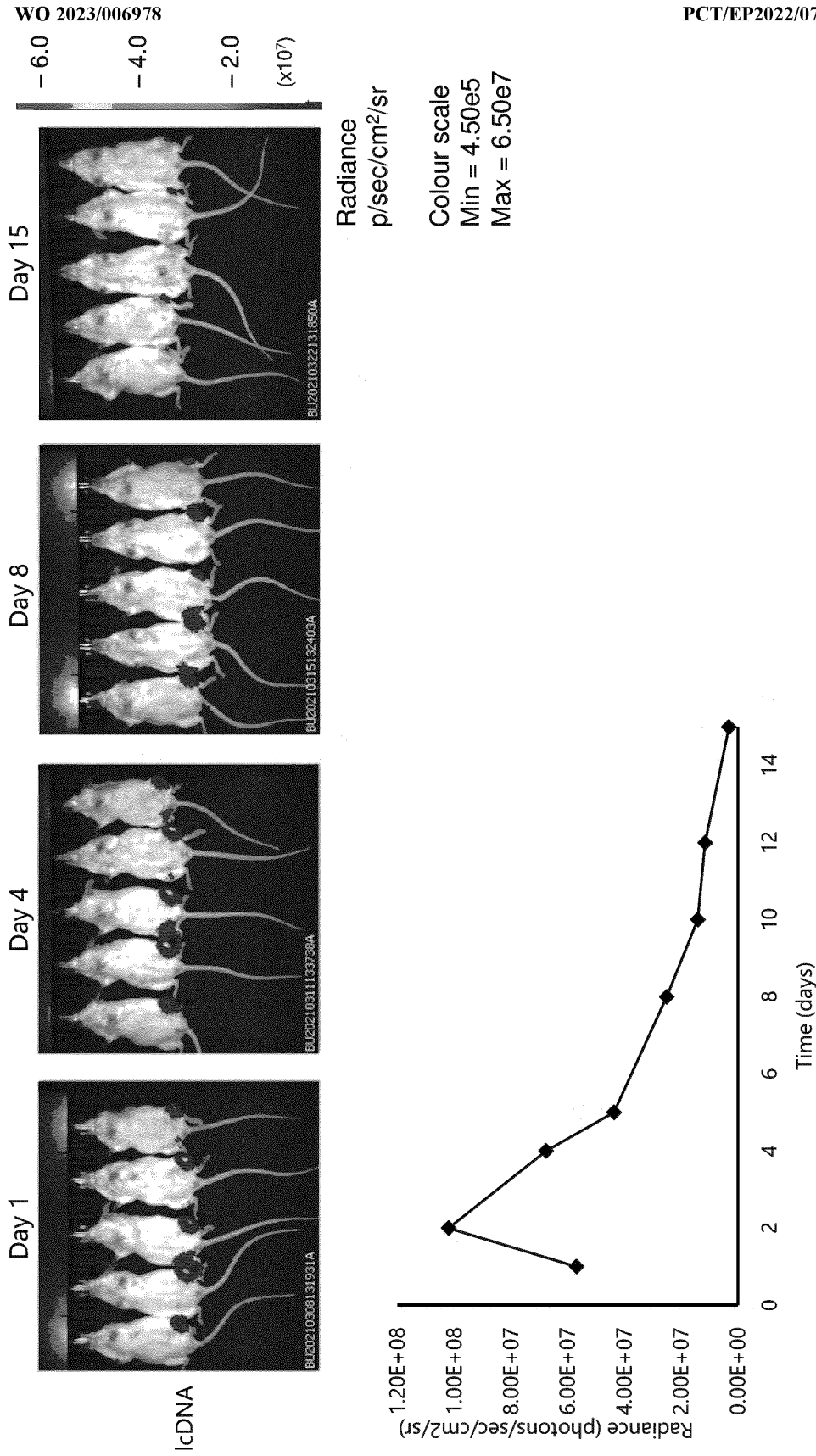


Fig. 15

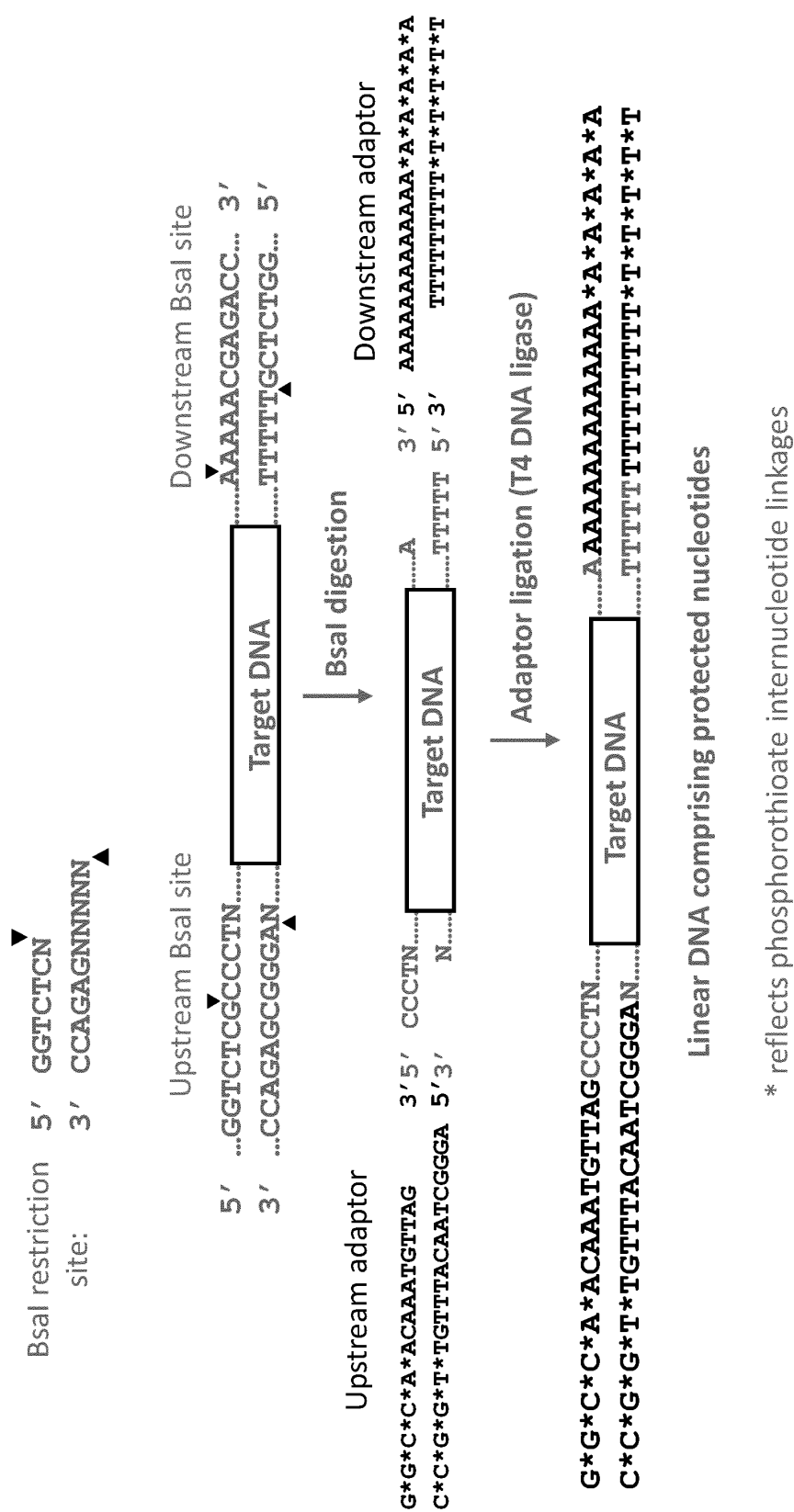


Fig. 16

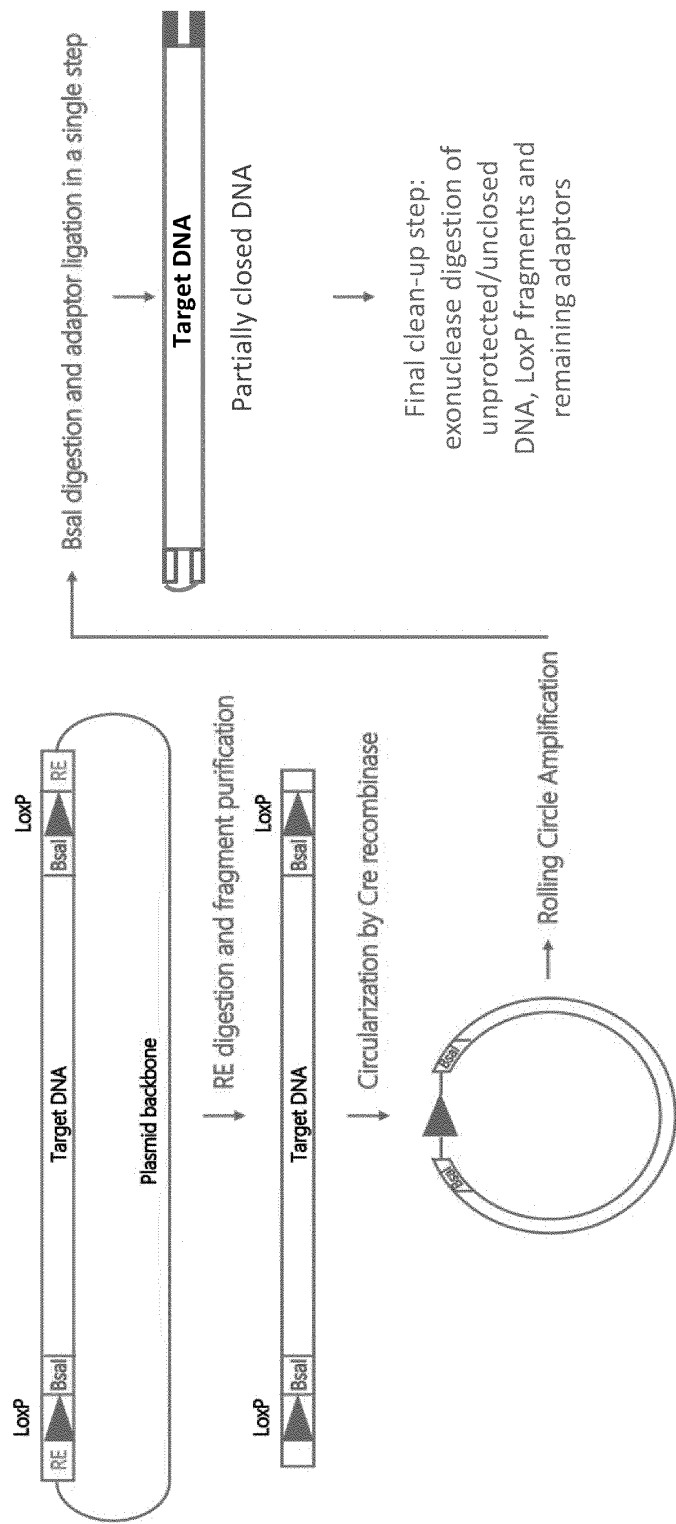


Fig. 17

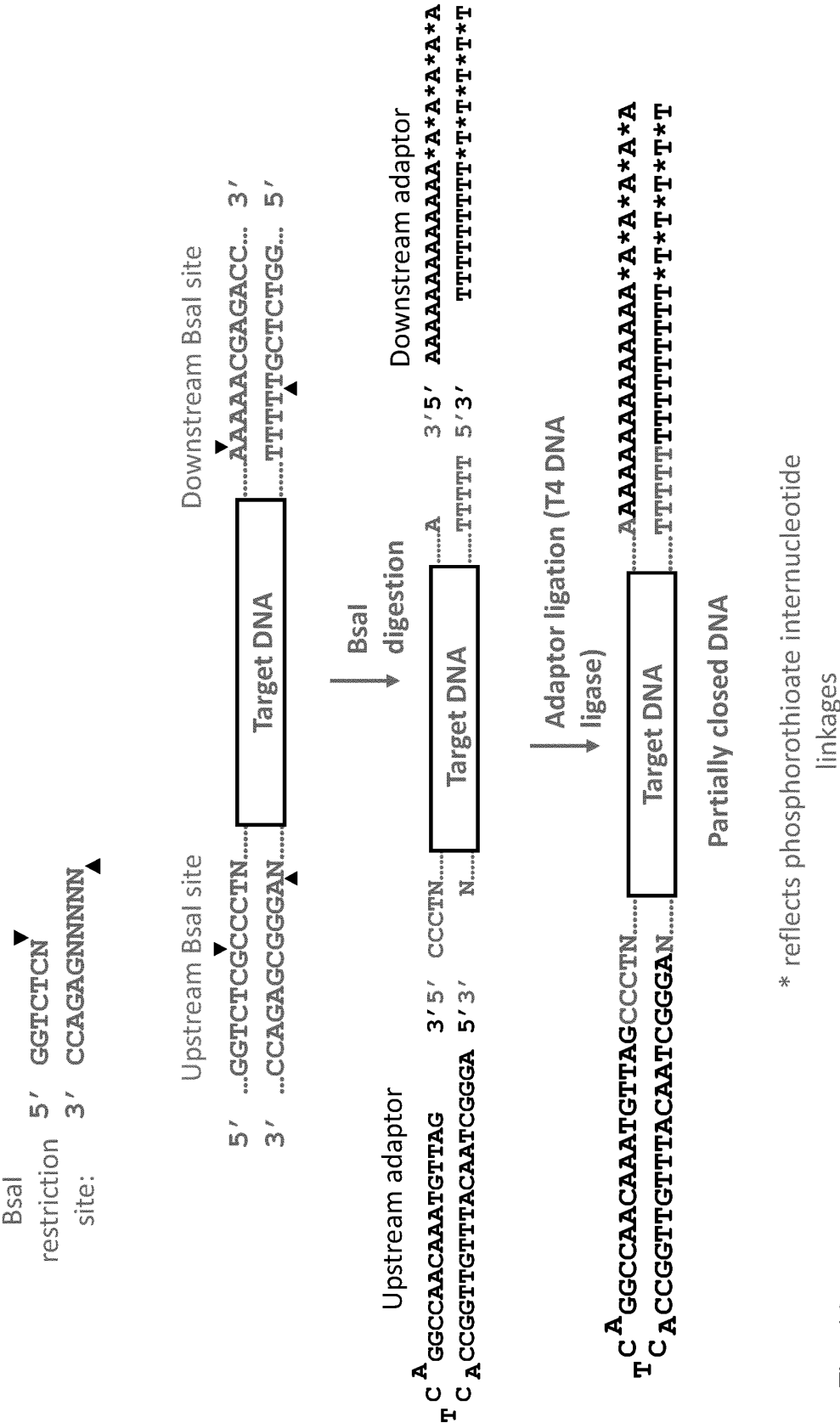


Fig. 18

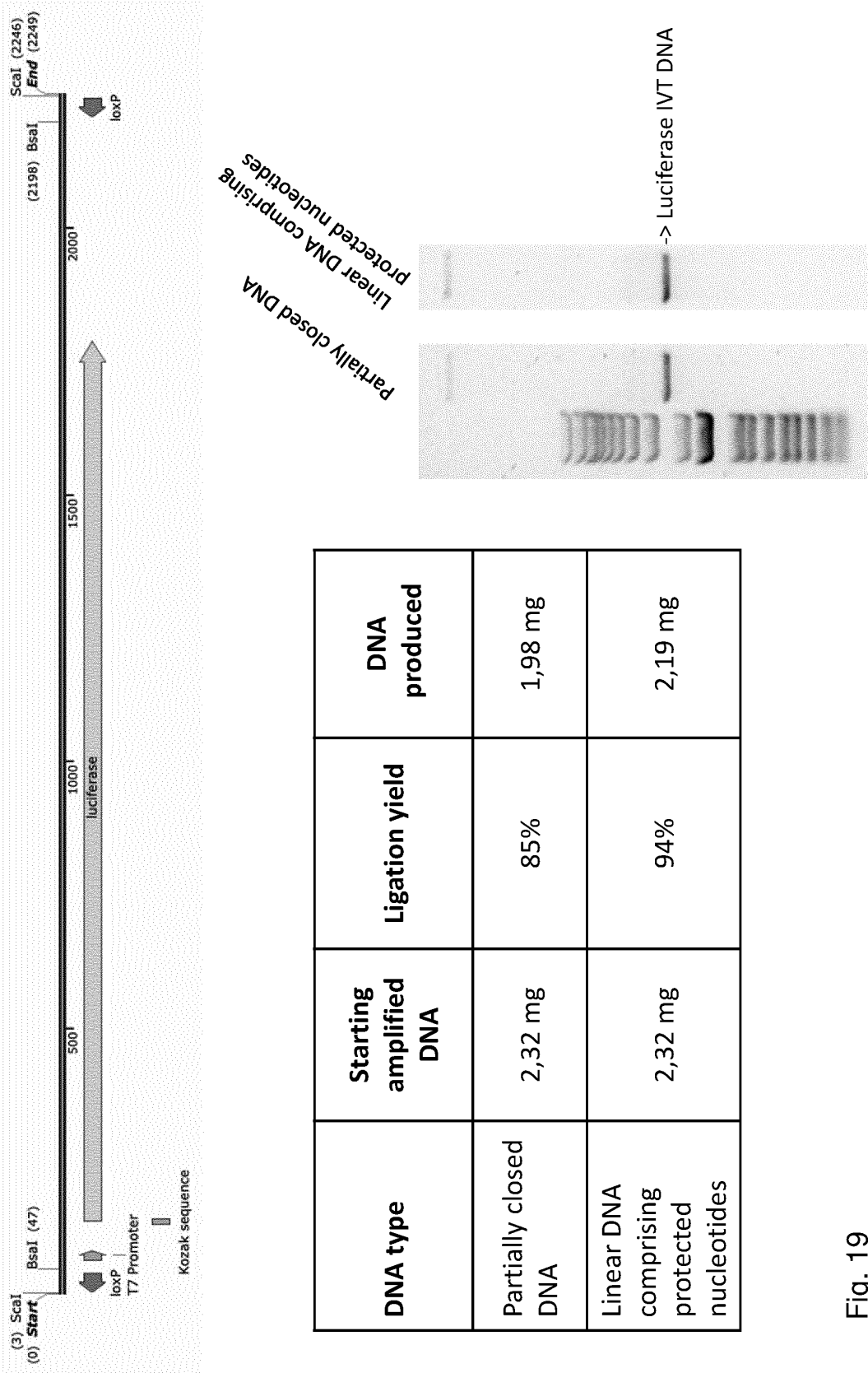


Fig. 19

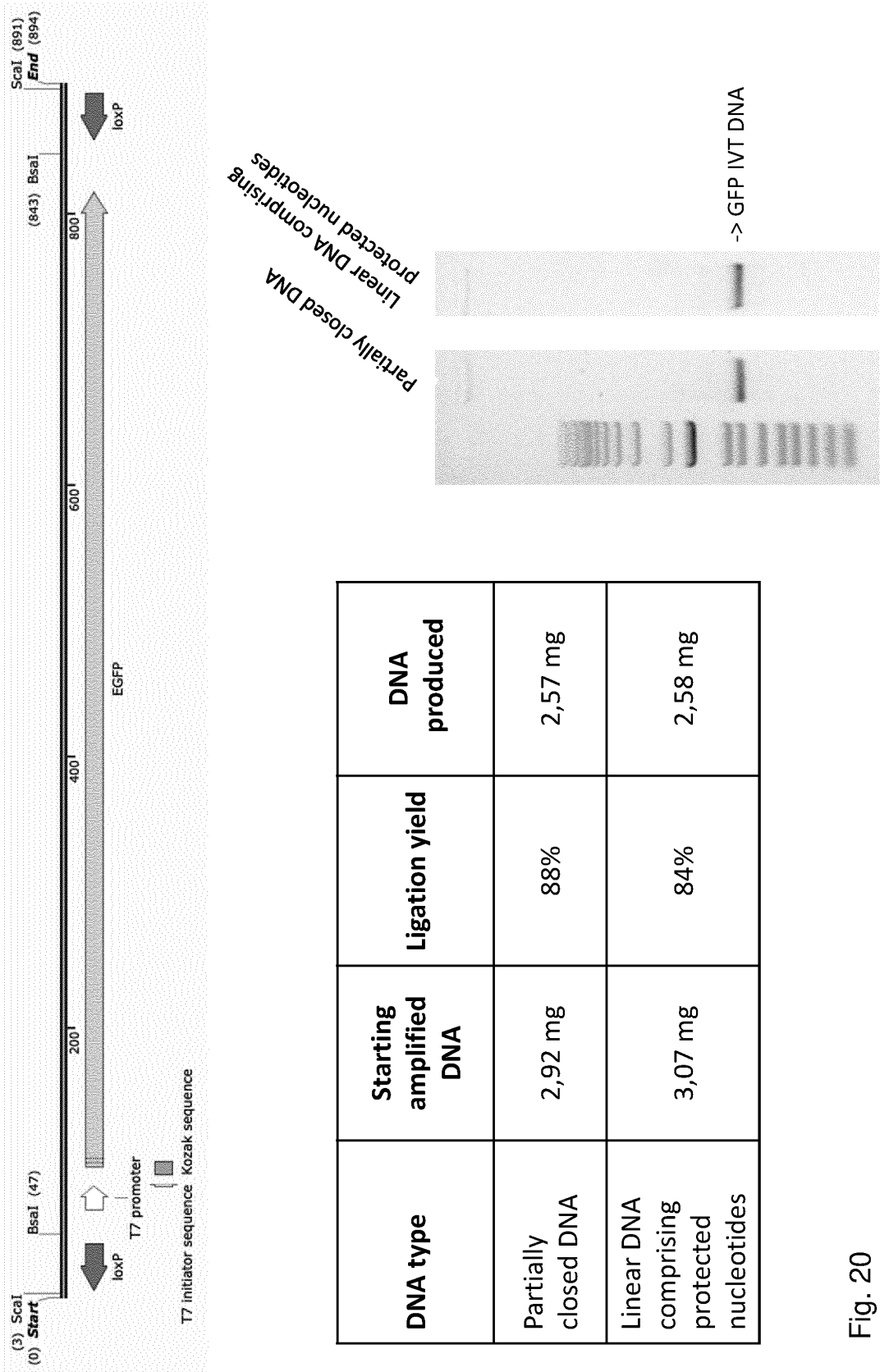
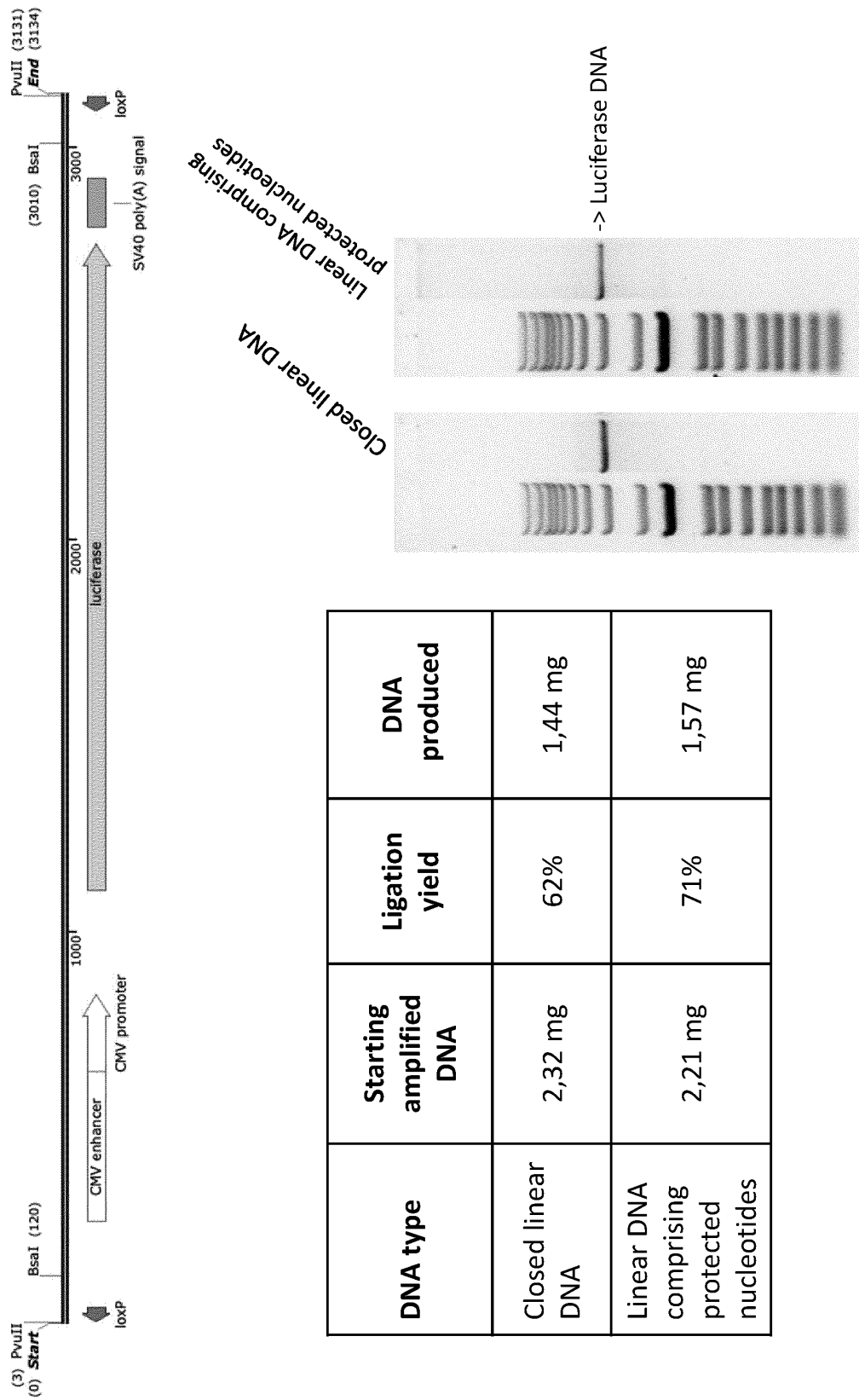


Fig. 20



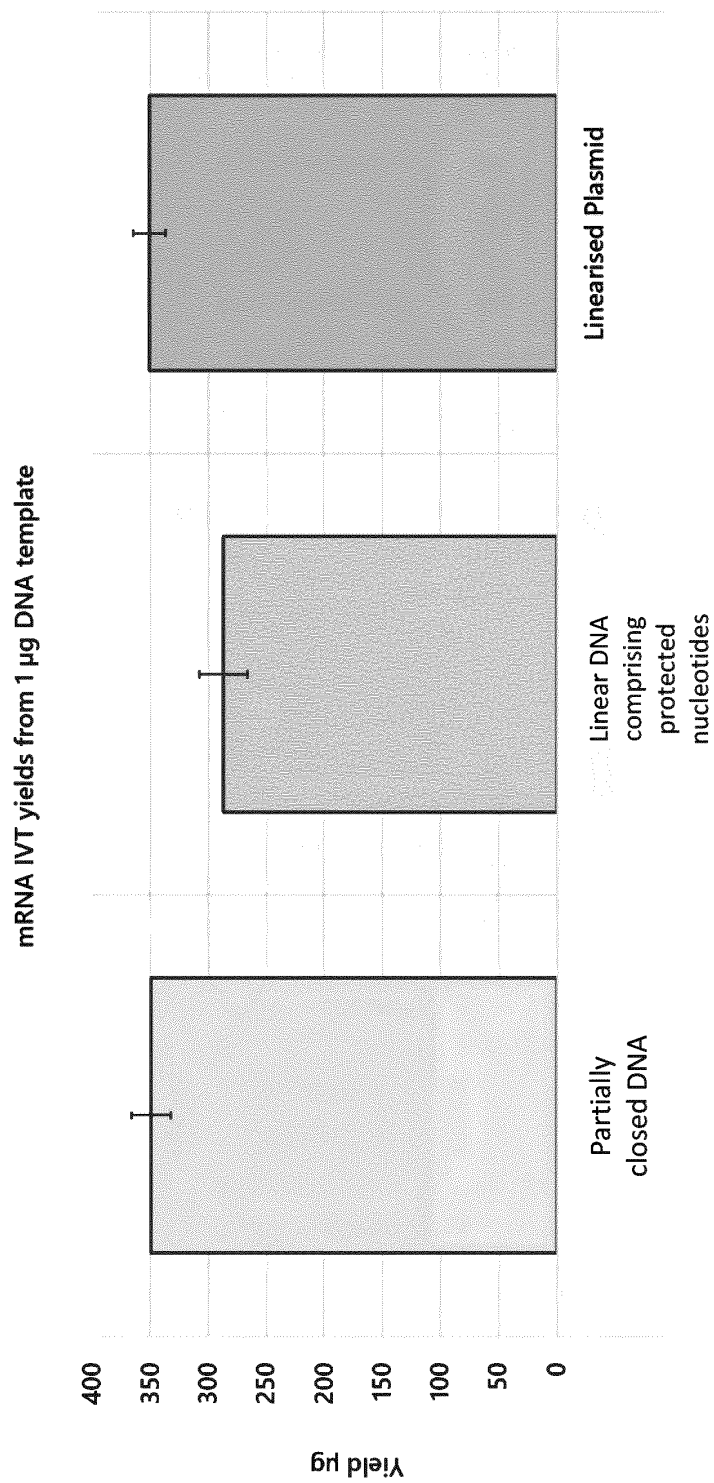


Fig. 22

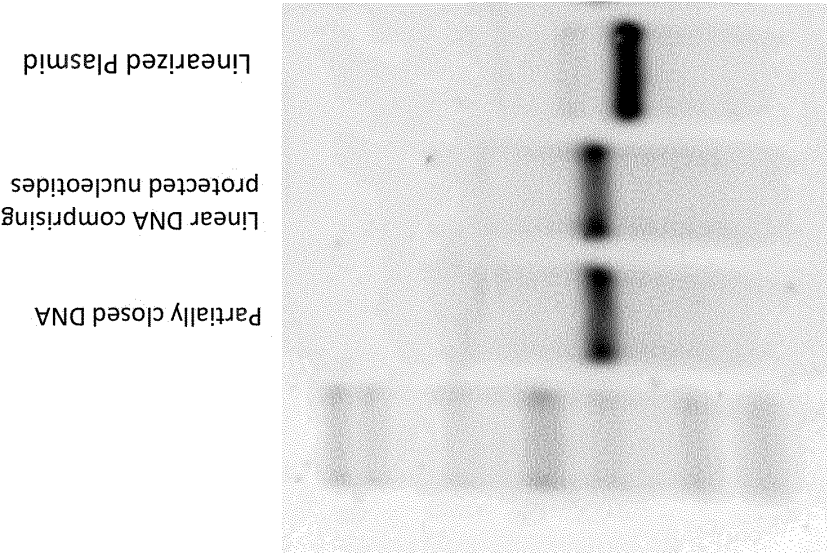


Fig. 24

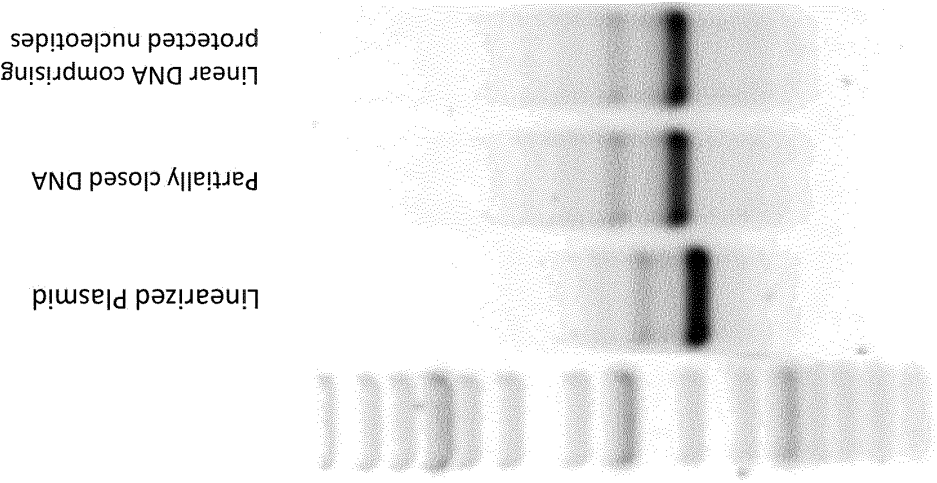


Fig. 23

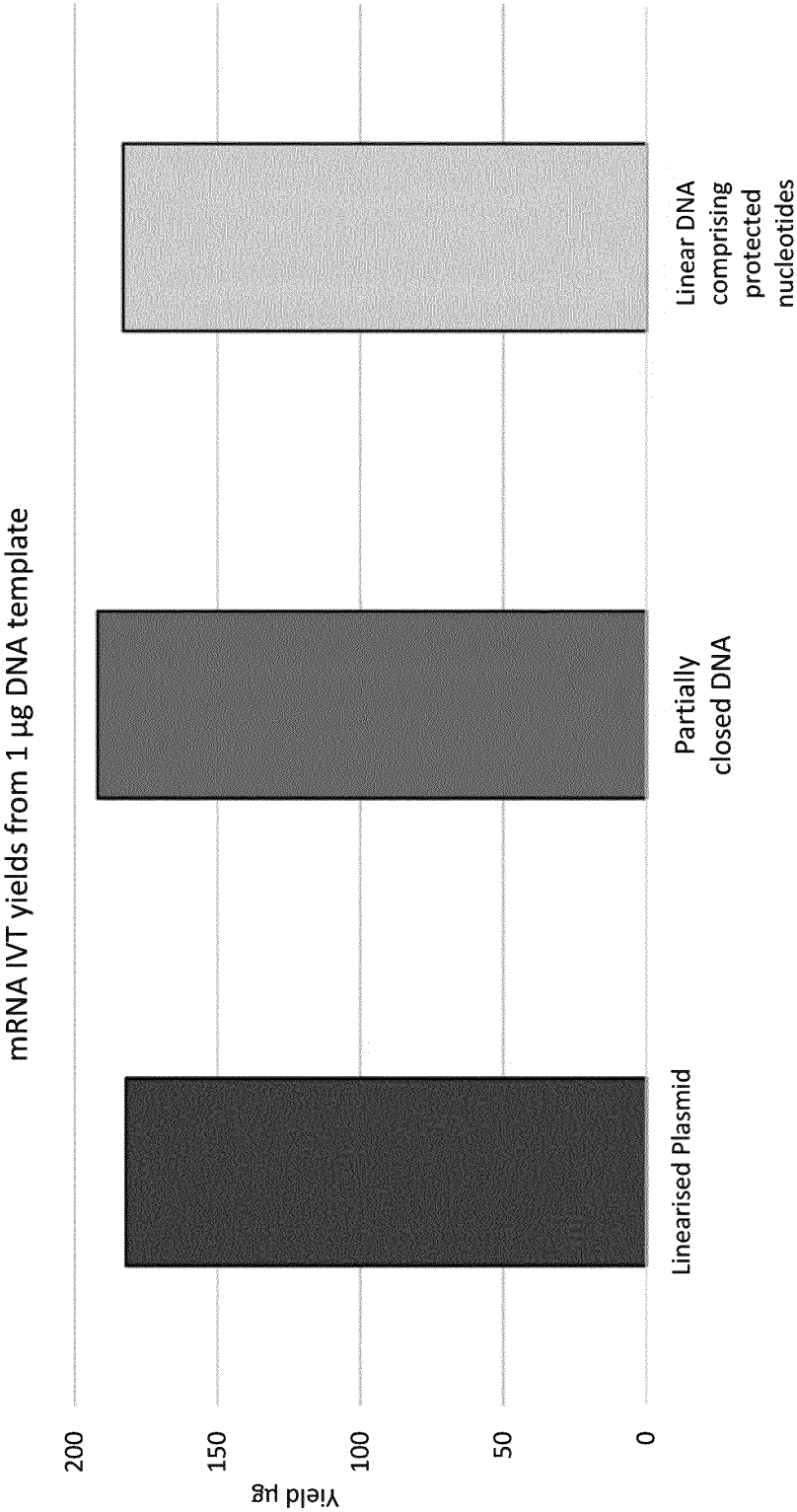


Fig. 25

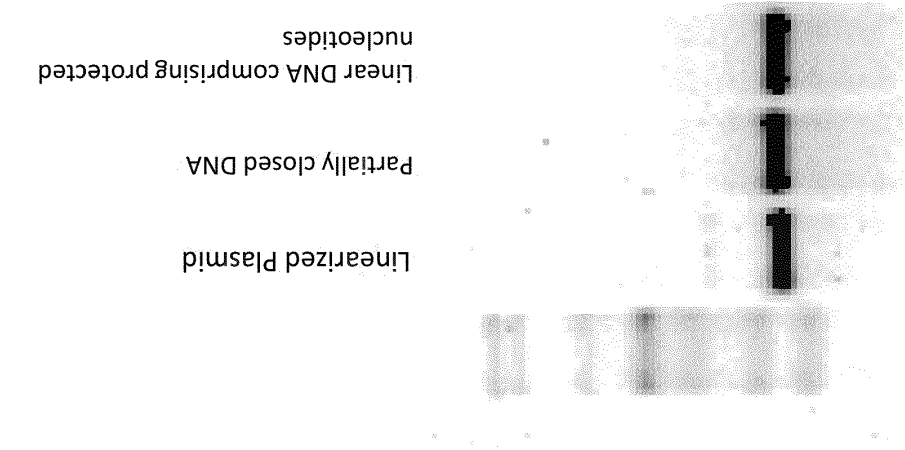


Fig. 27

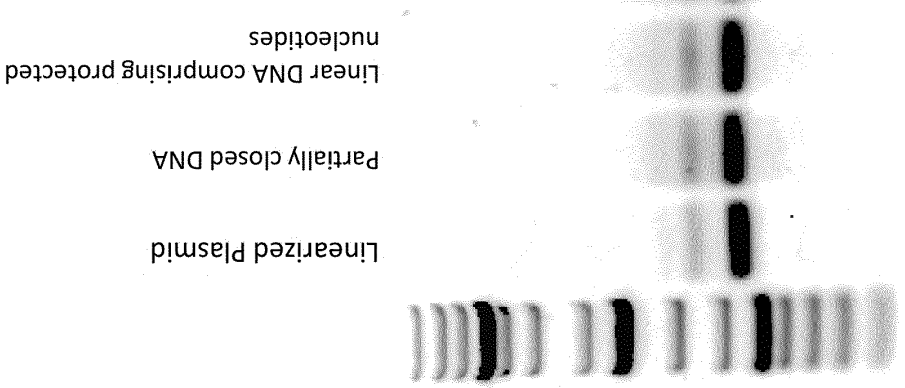


Fig. 26

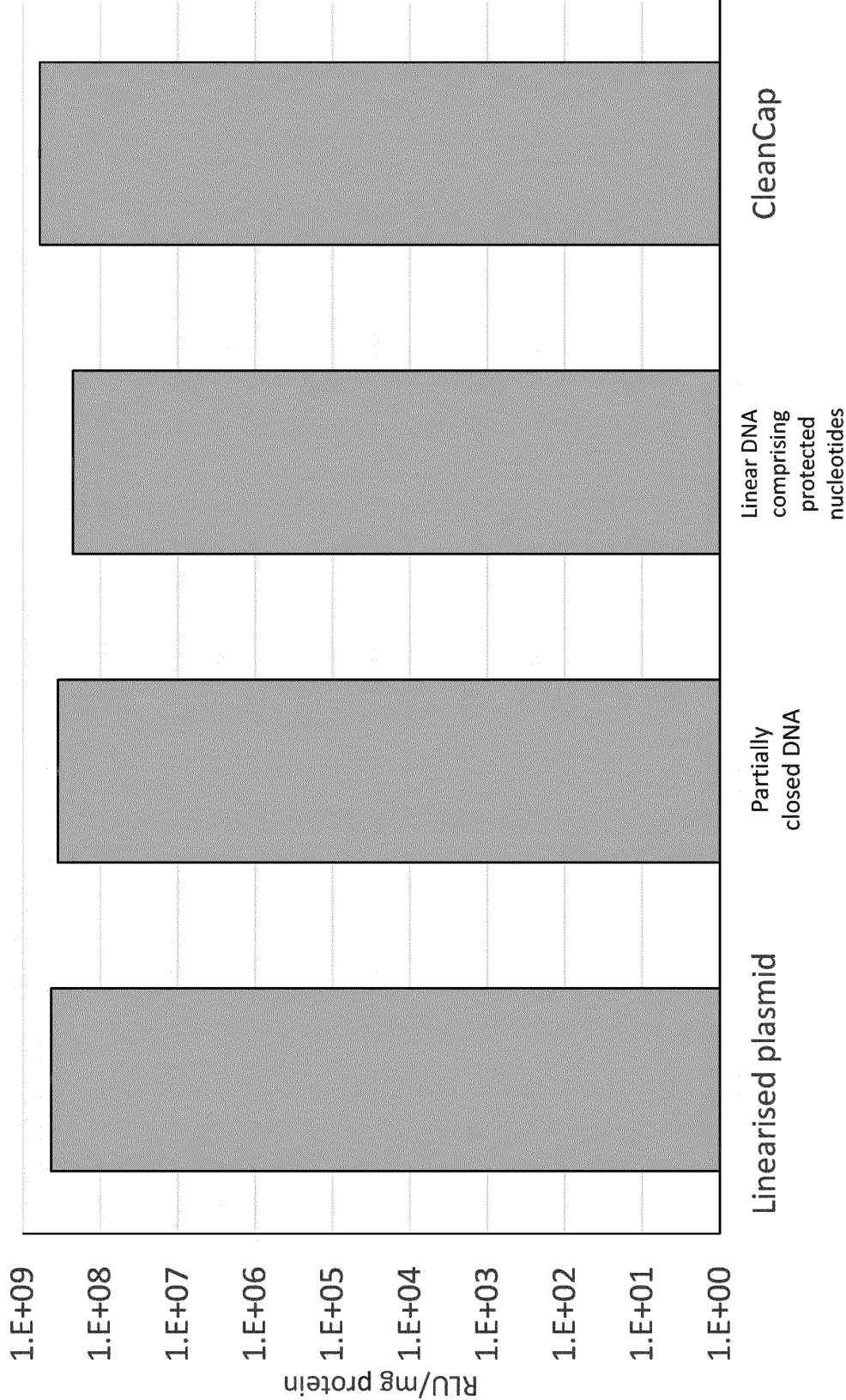


Fig. 28

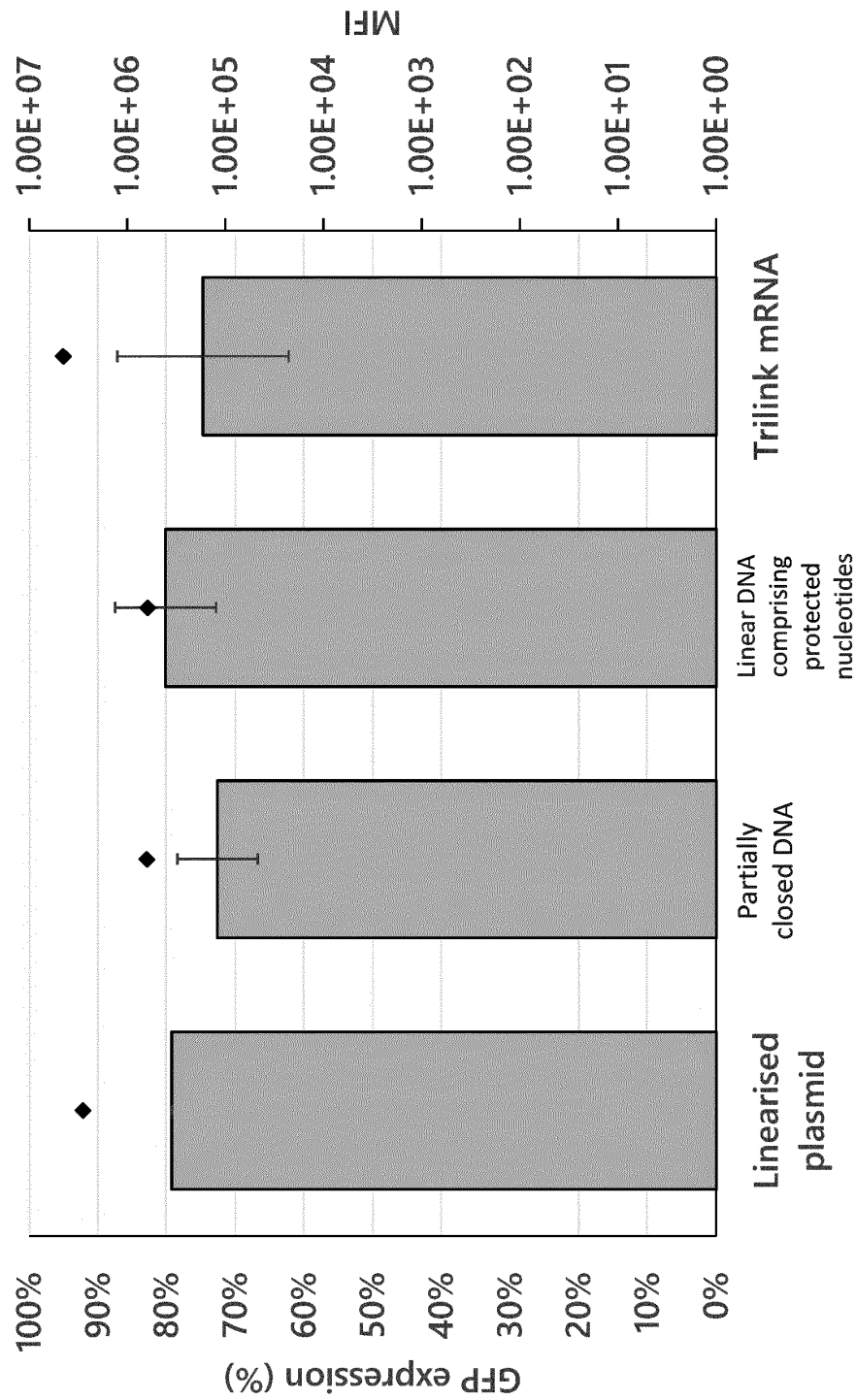


Fig. 29

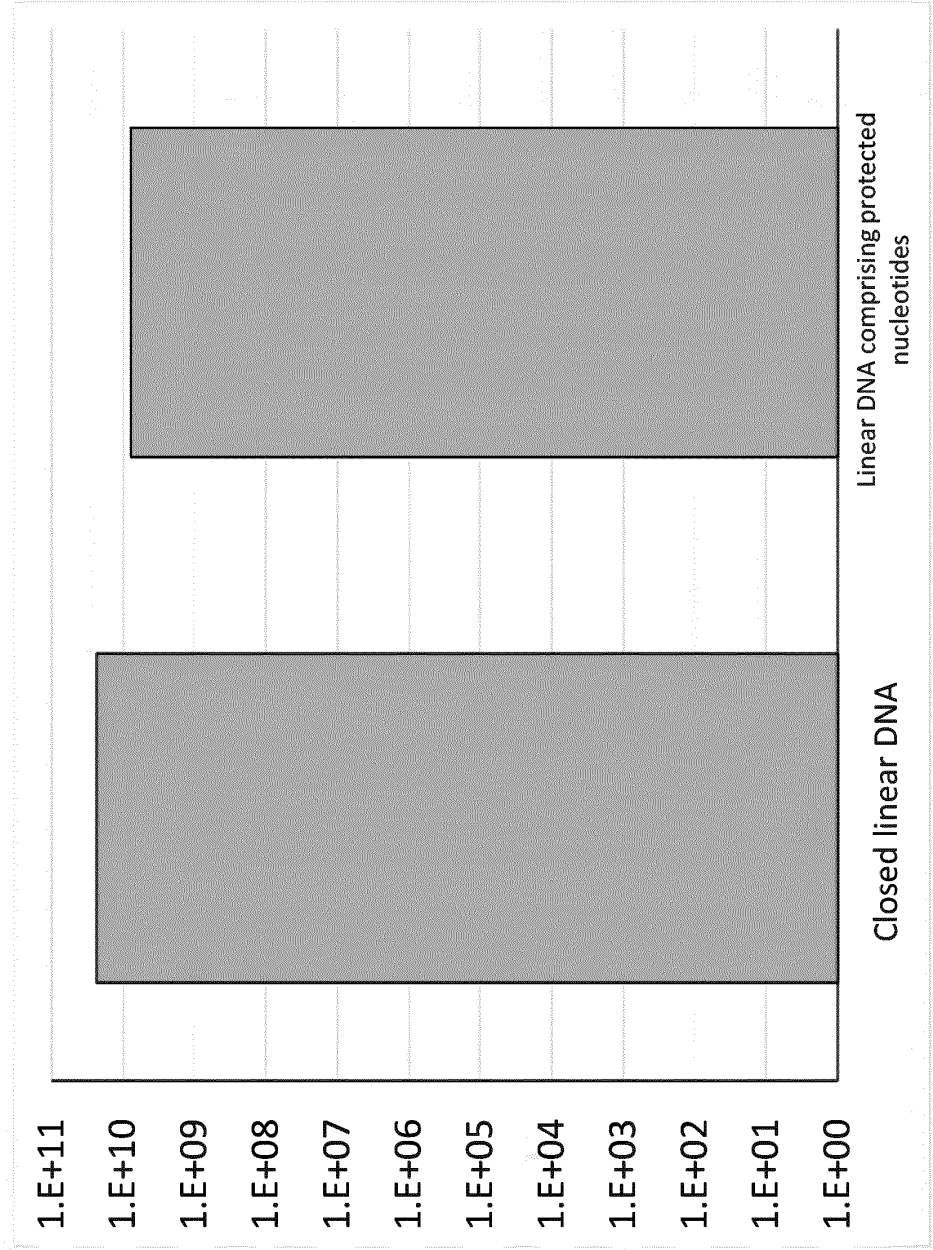


Fig. 30