

Fig. 1

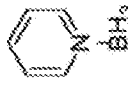
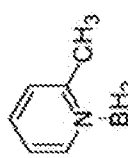
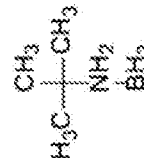
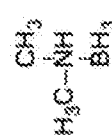
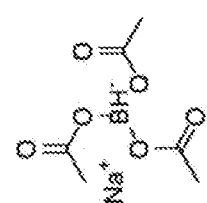
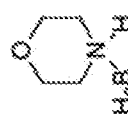
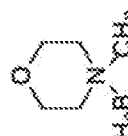
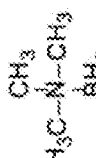
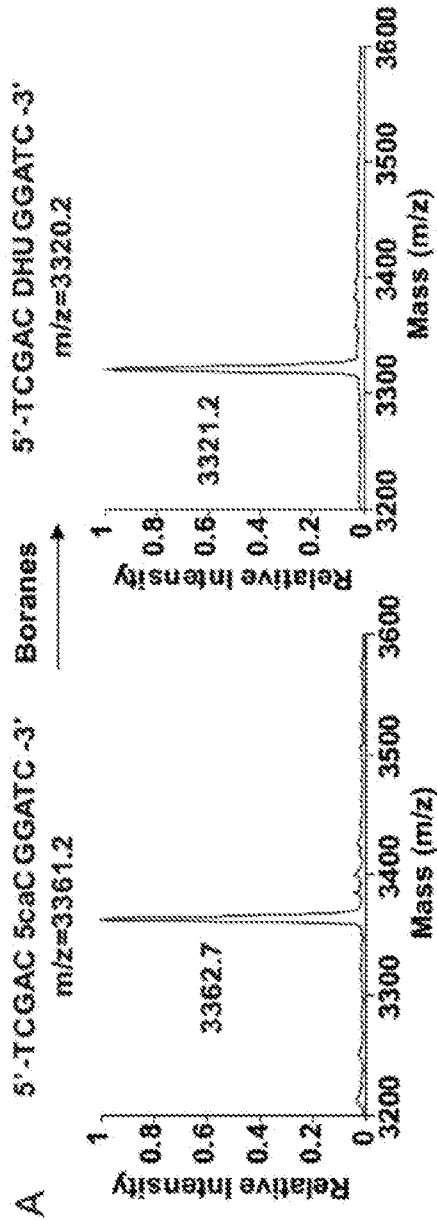
 pyridine borane 100%	 2-picoline borane 100%	 tert-butylamine borane 100%	NH_3BH_3 ammonia borane 100%
NaBH_4 sodium borohydride ~60%	 ethylenediamine borane ~30%	 dimethylamine borane ~30%	 sodium triacetoxymethylborohydride ~20%
 morpholine borane n.d.	 4-methylmorpholine borane n.d.	 trimethylamine borane n.d.	 dicyclohexylamine borane n.d.

Fig. 2



B

Cytosine modification in Oligo	Conversion to DHU
C	0%
5mC	0%
5hmC	0%
5fC	97.6±0.1%
5caC	98.1±0.6%

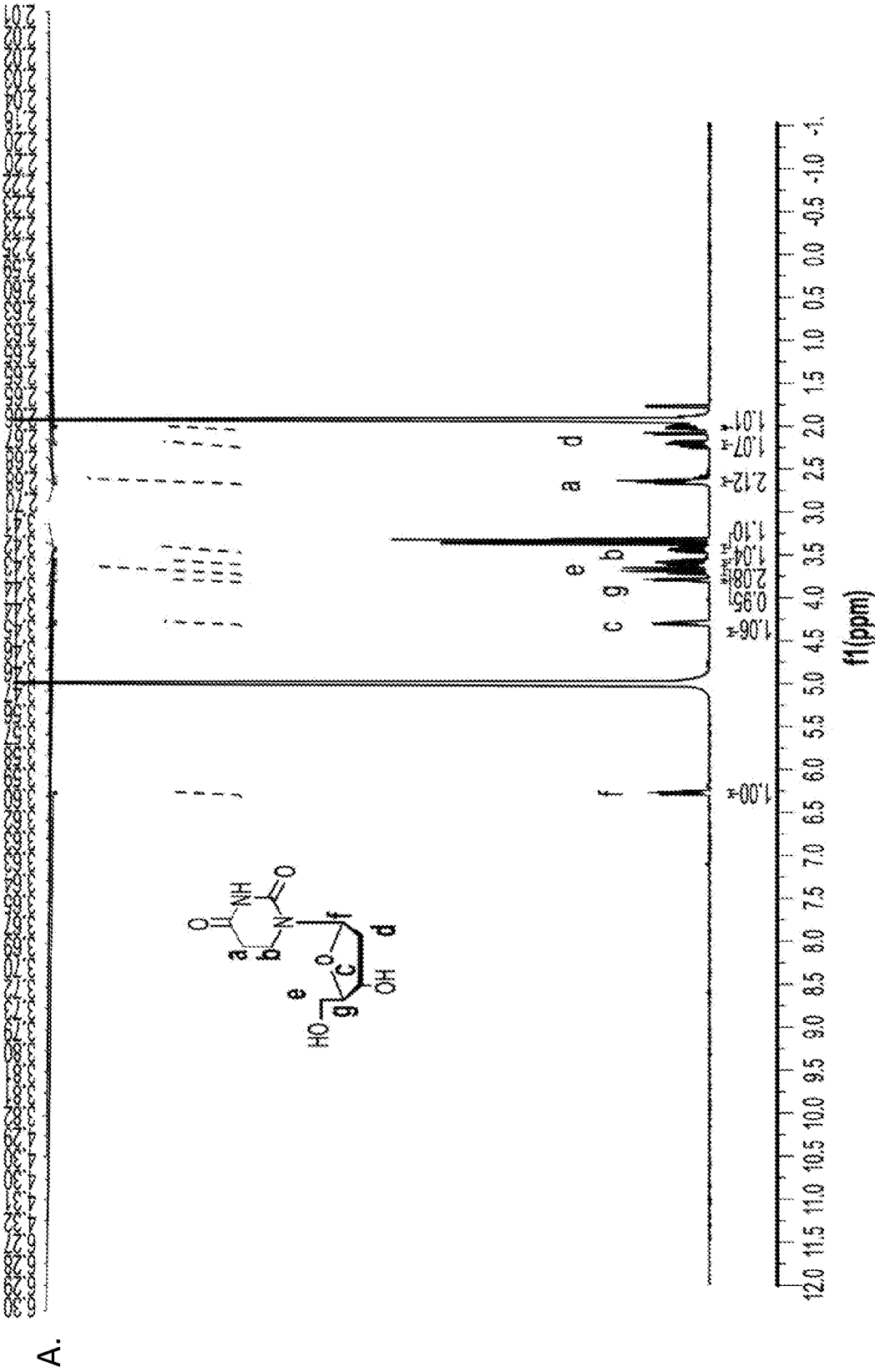


Fig. 3.

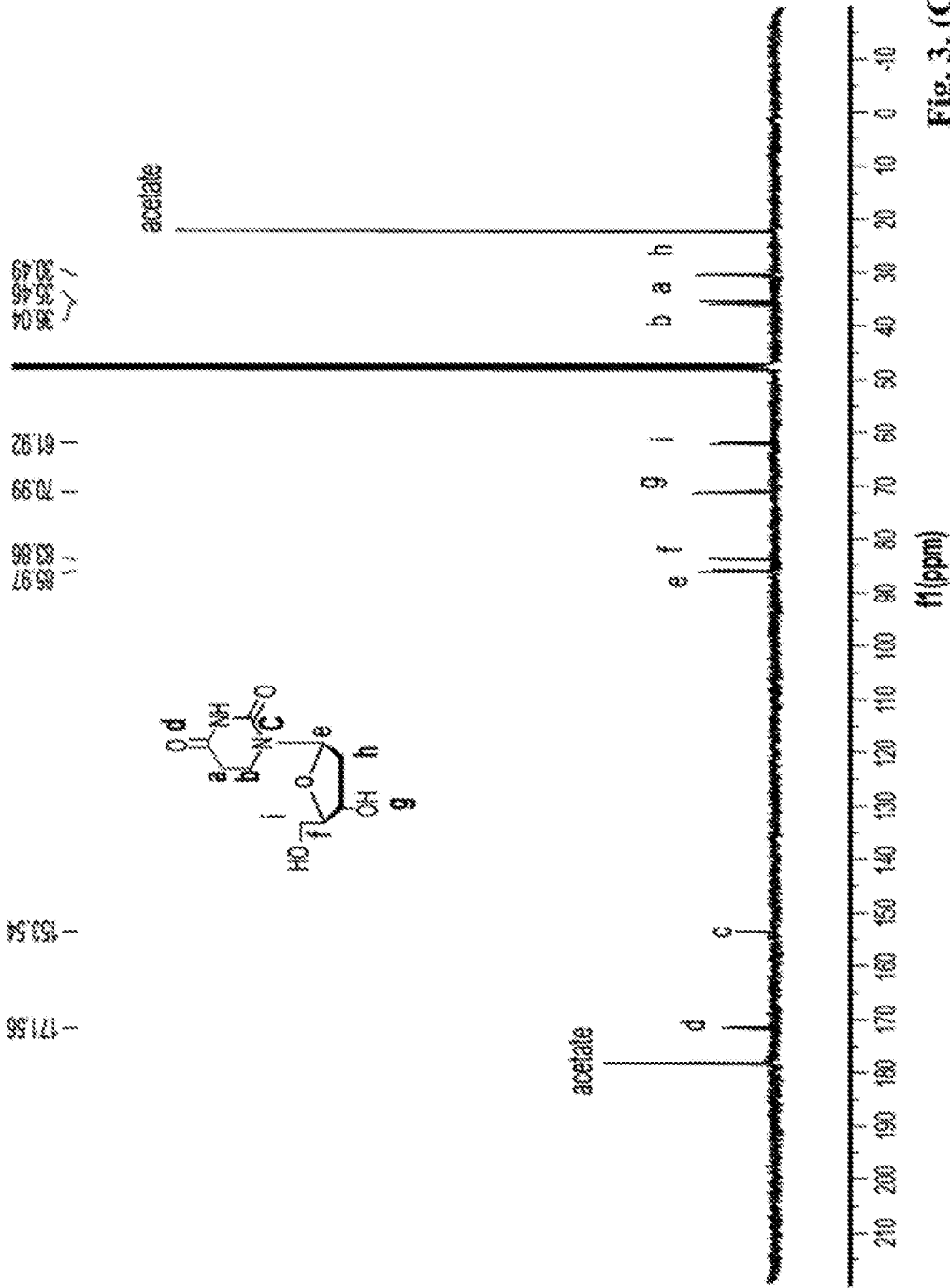


Fig. 3. (Cont.)

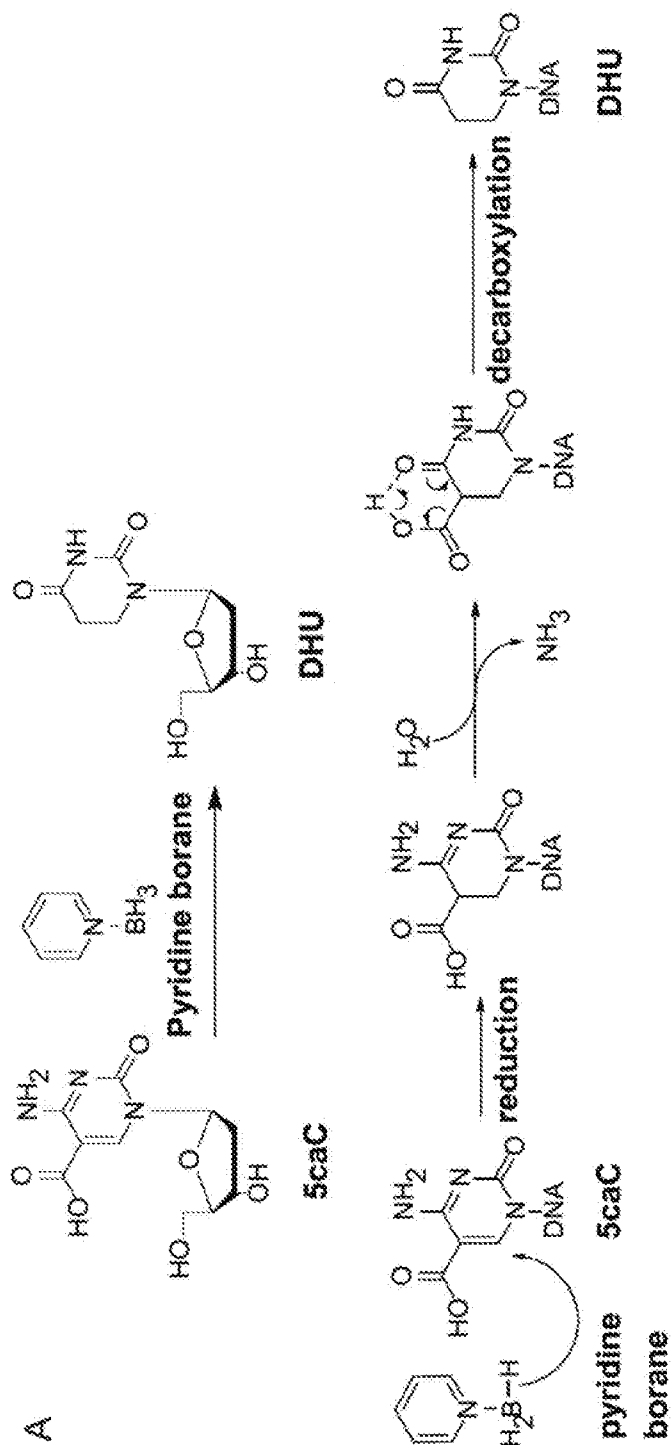


Fig. 4

B

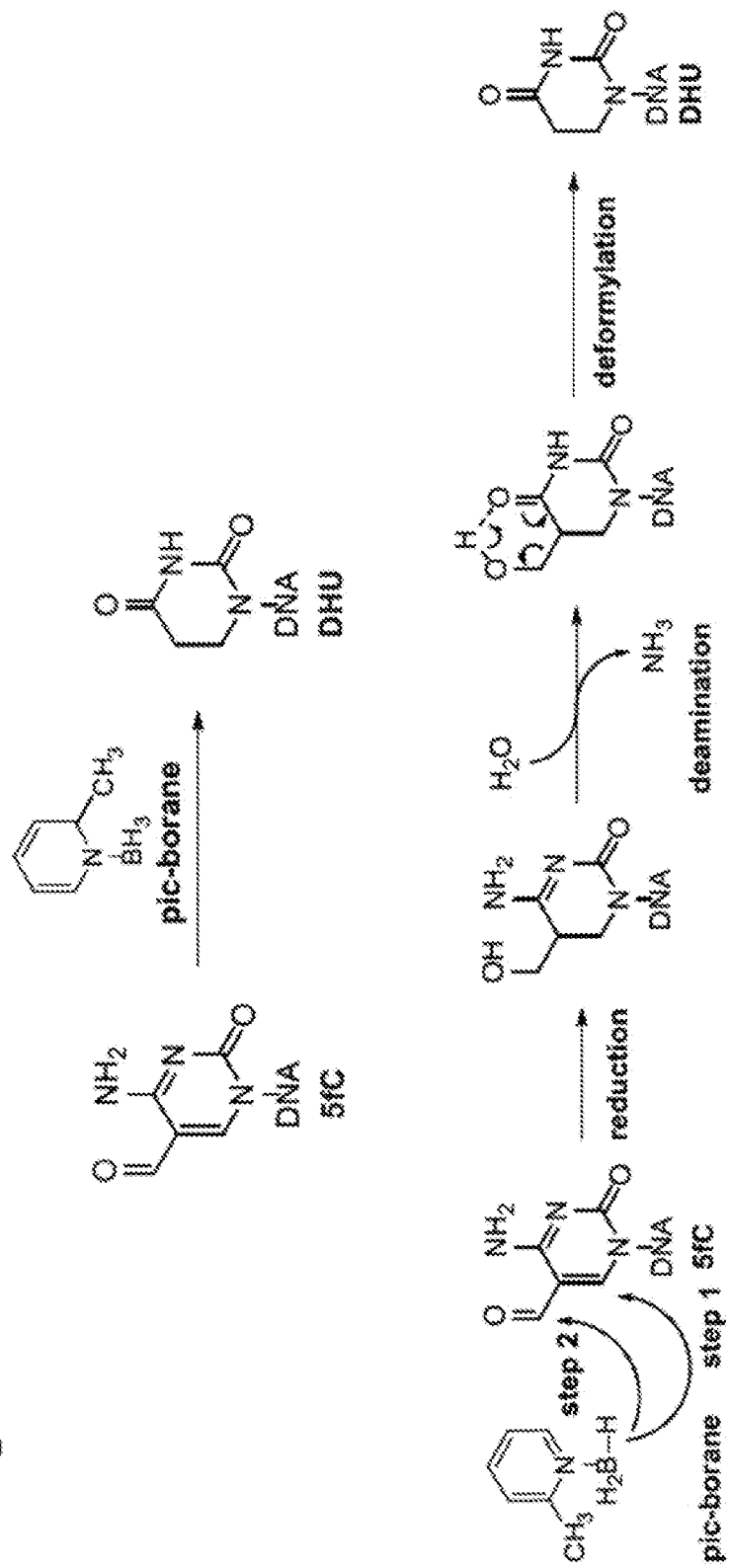
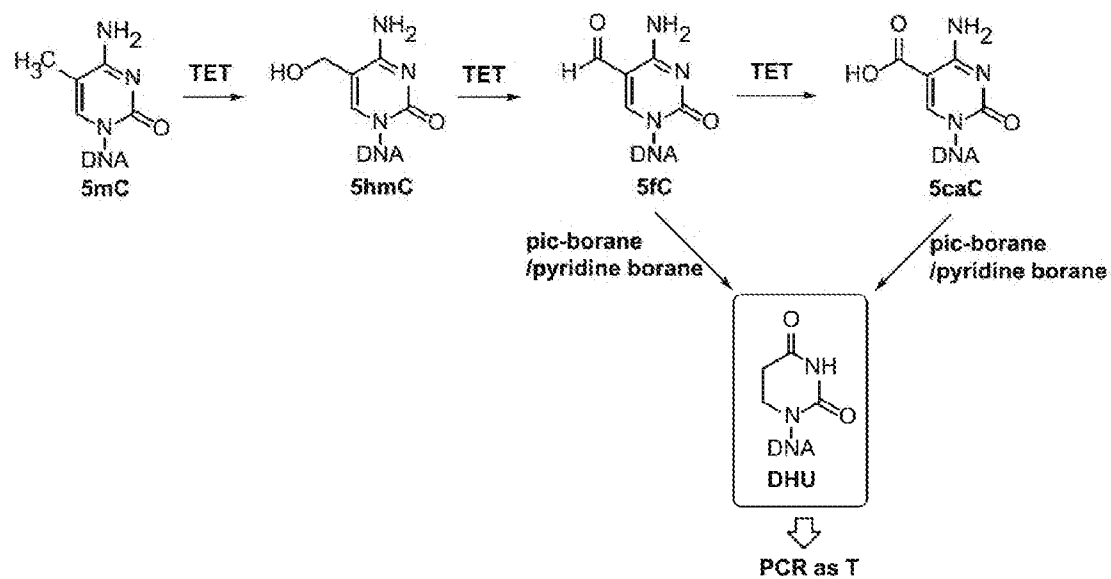
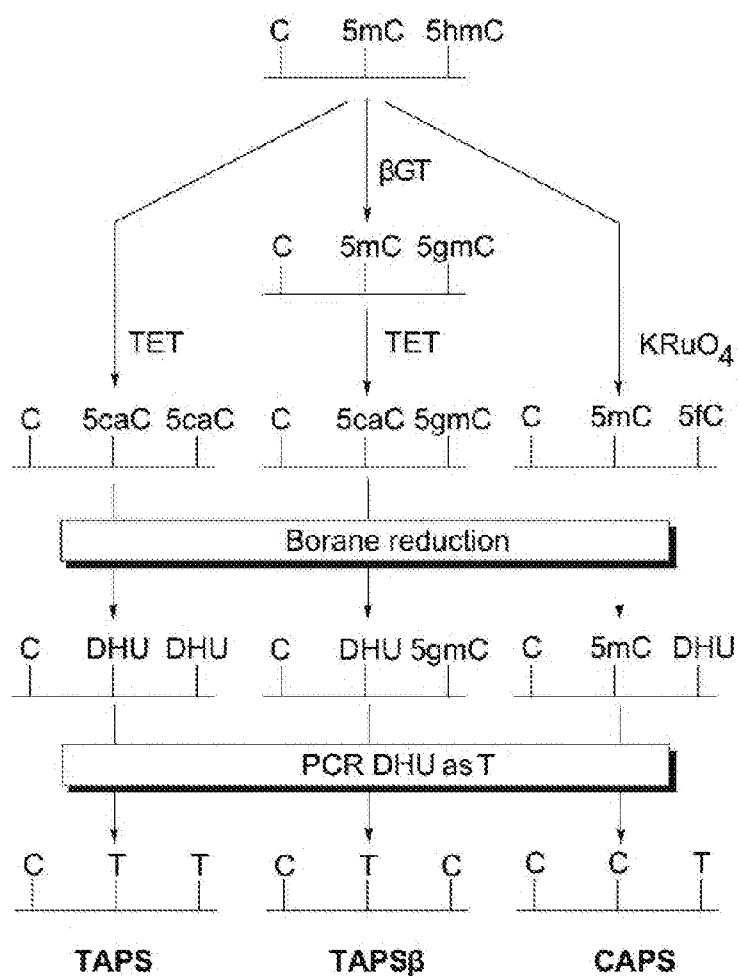


Fig. 4 (Cont.)

A.**B.****Fig. 5**

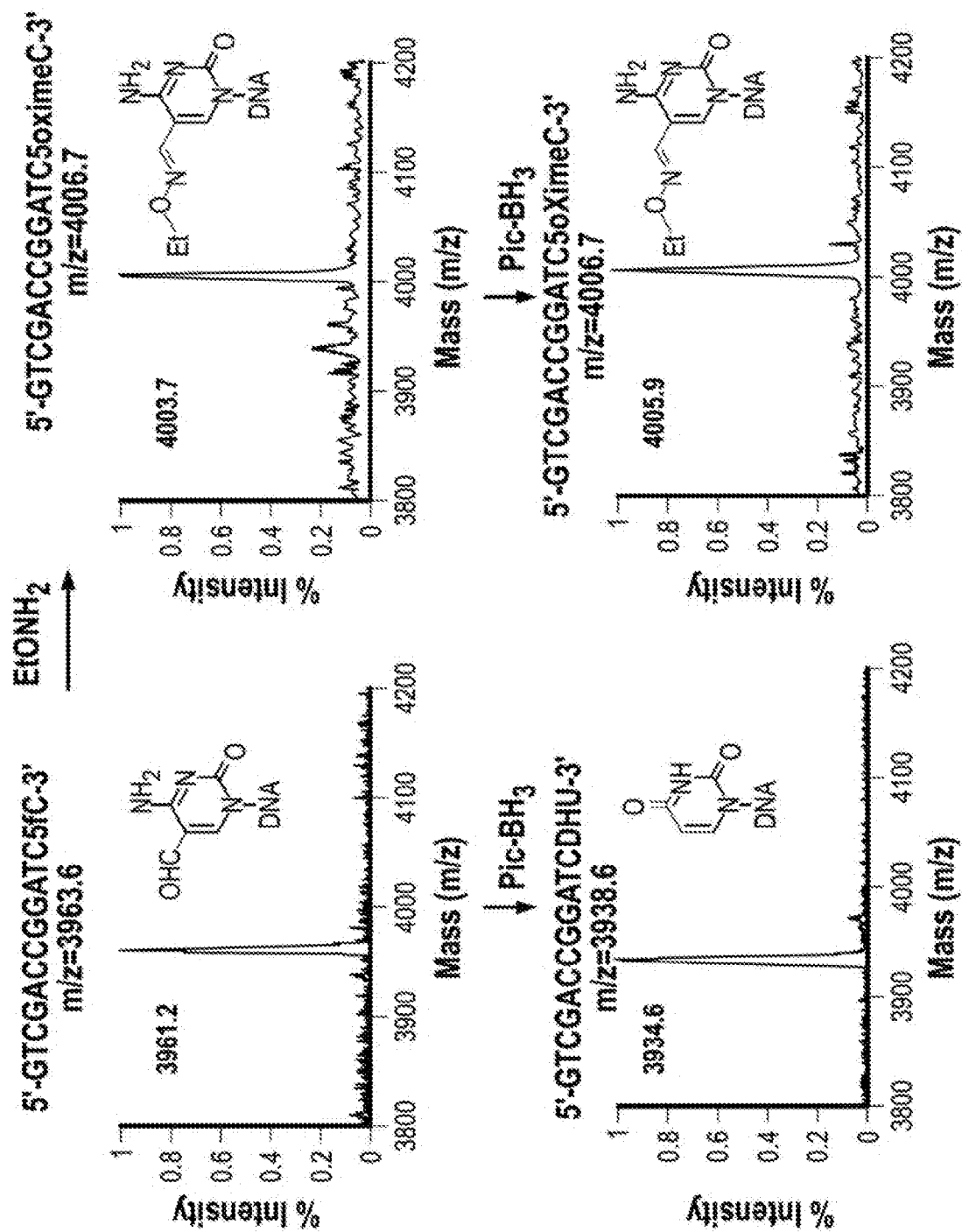
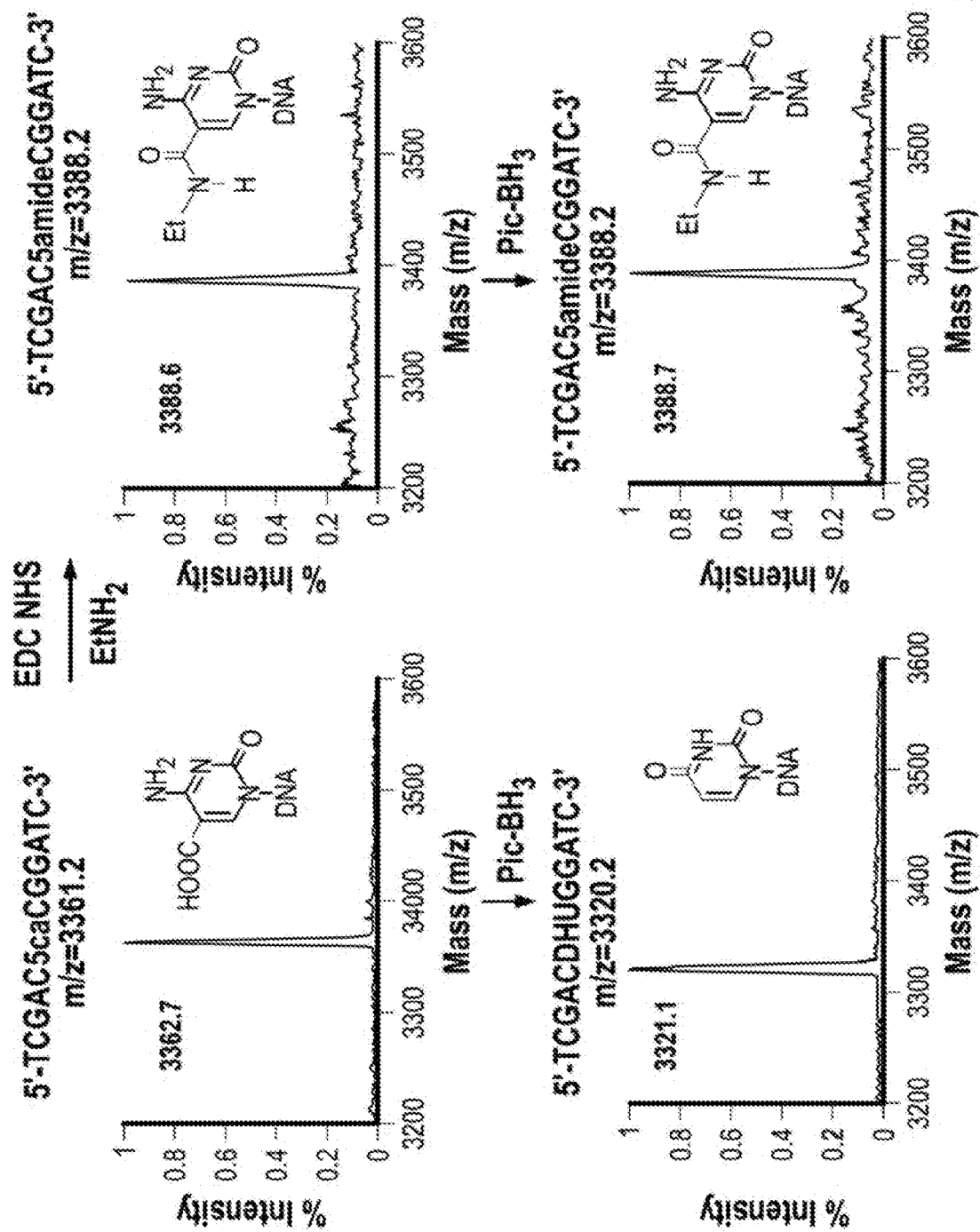


Fig. 6.



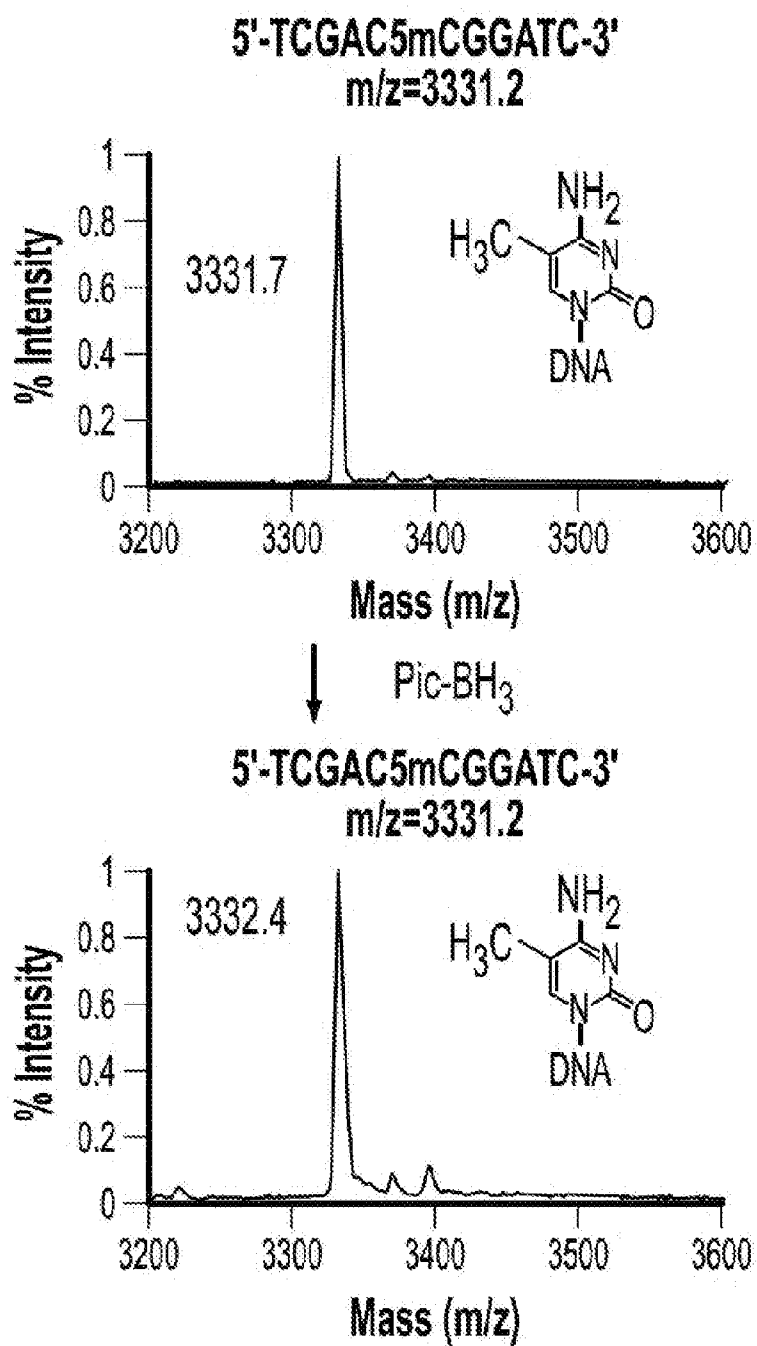


Fig. 7.

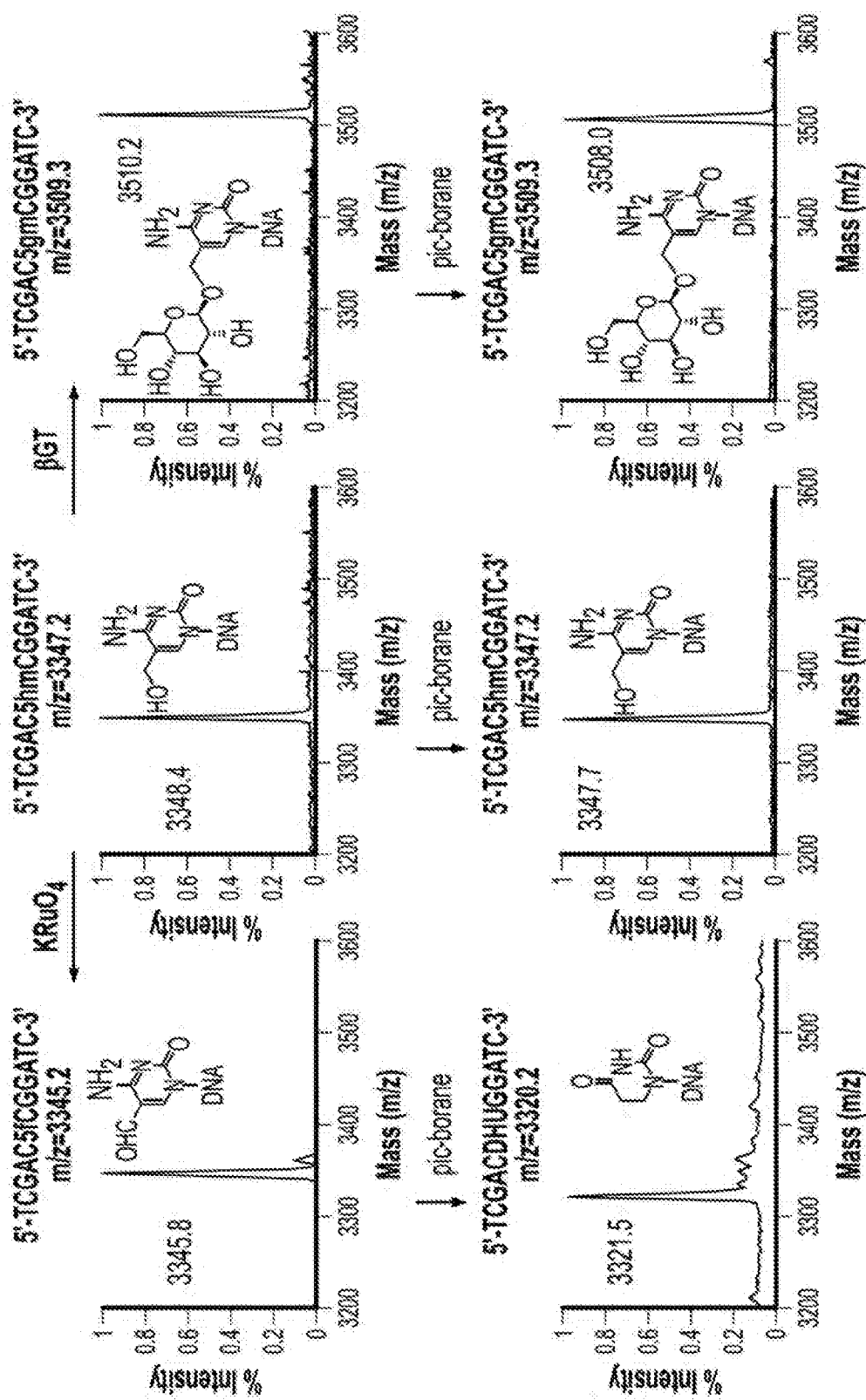
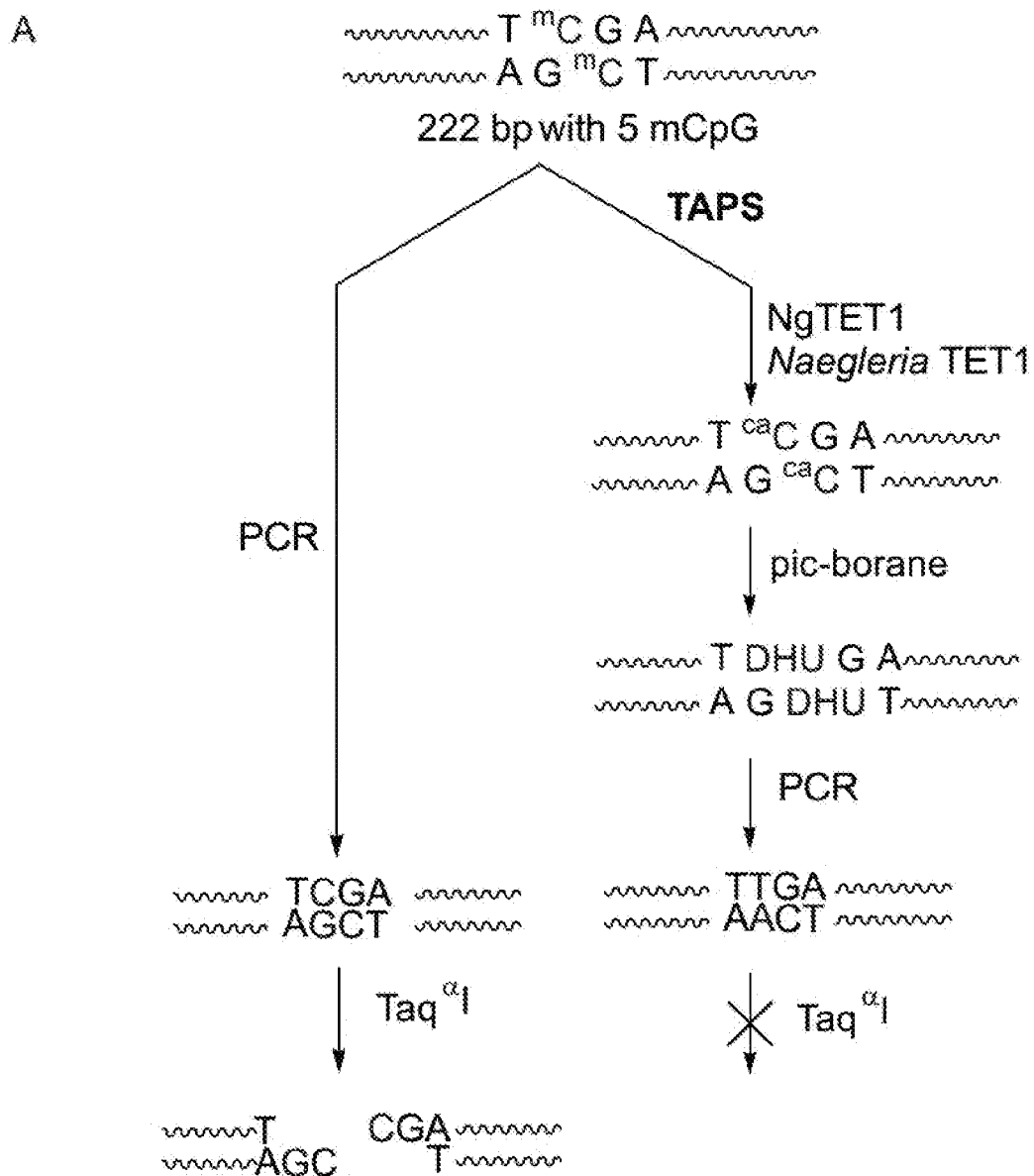


Fig. 7. (Cont.)



B

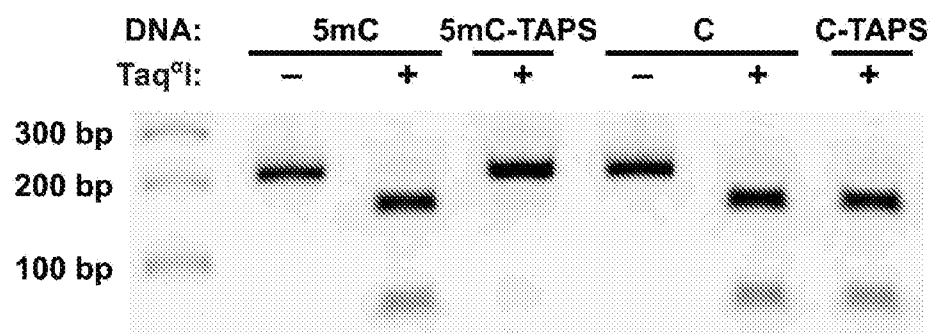
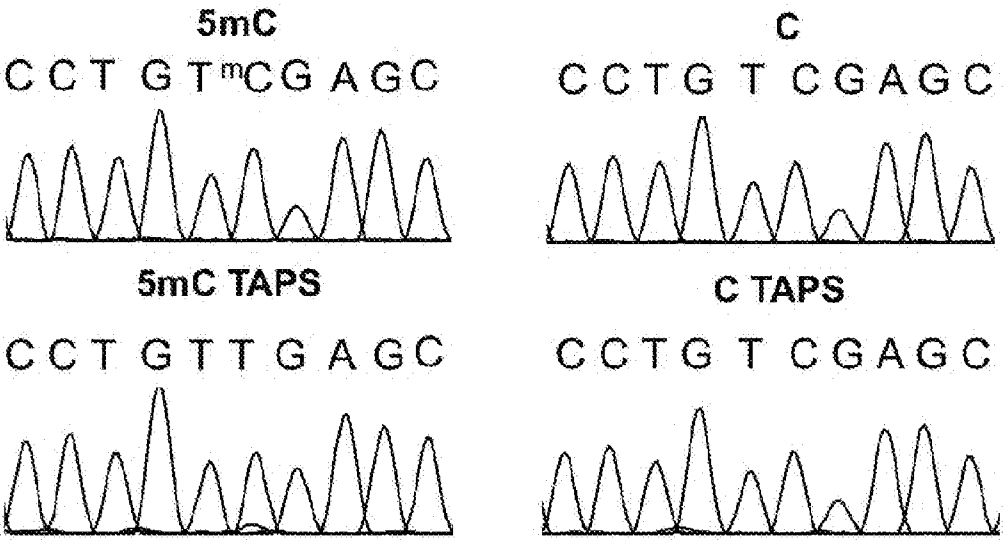


Fig. 8.

A.



B.

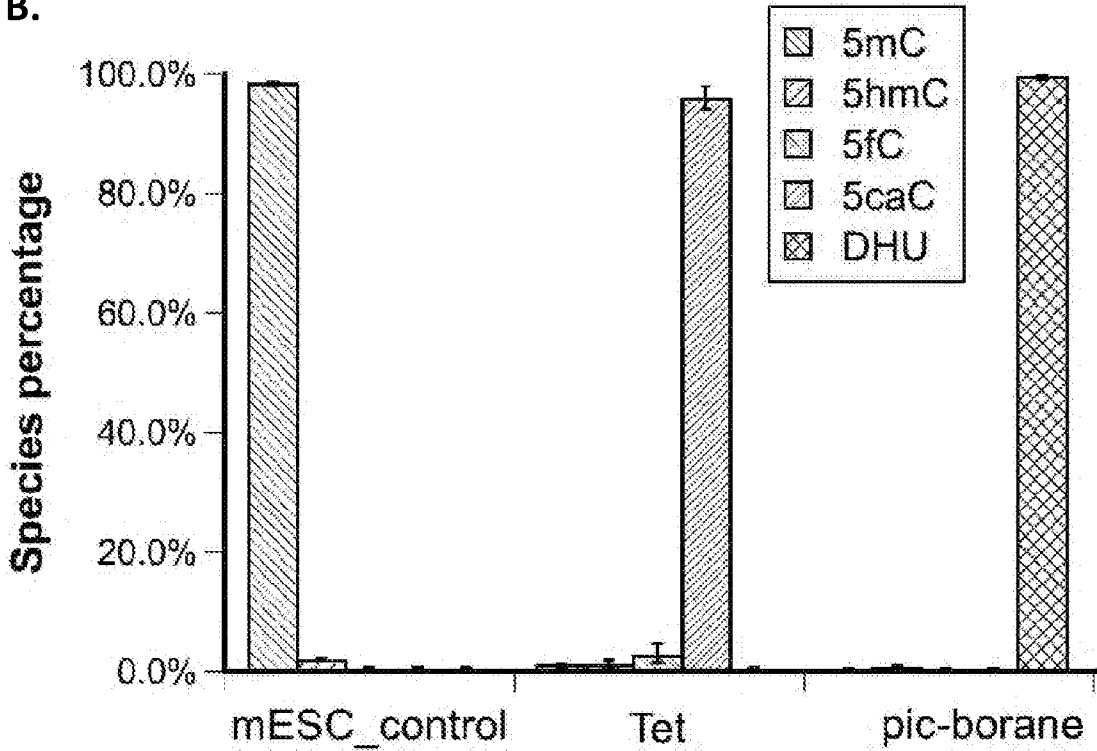


Fig. 9.

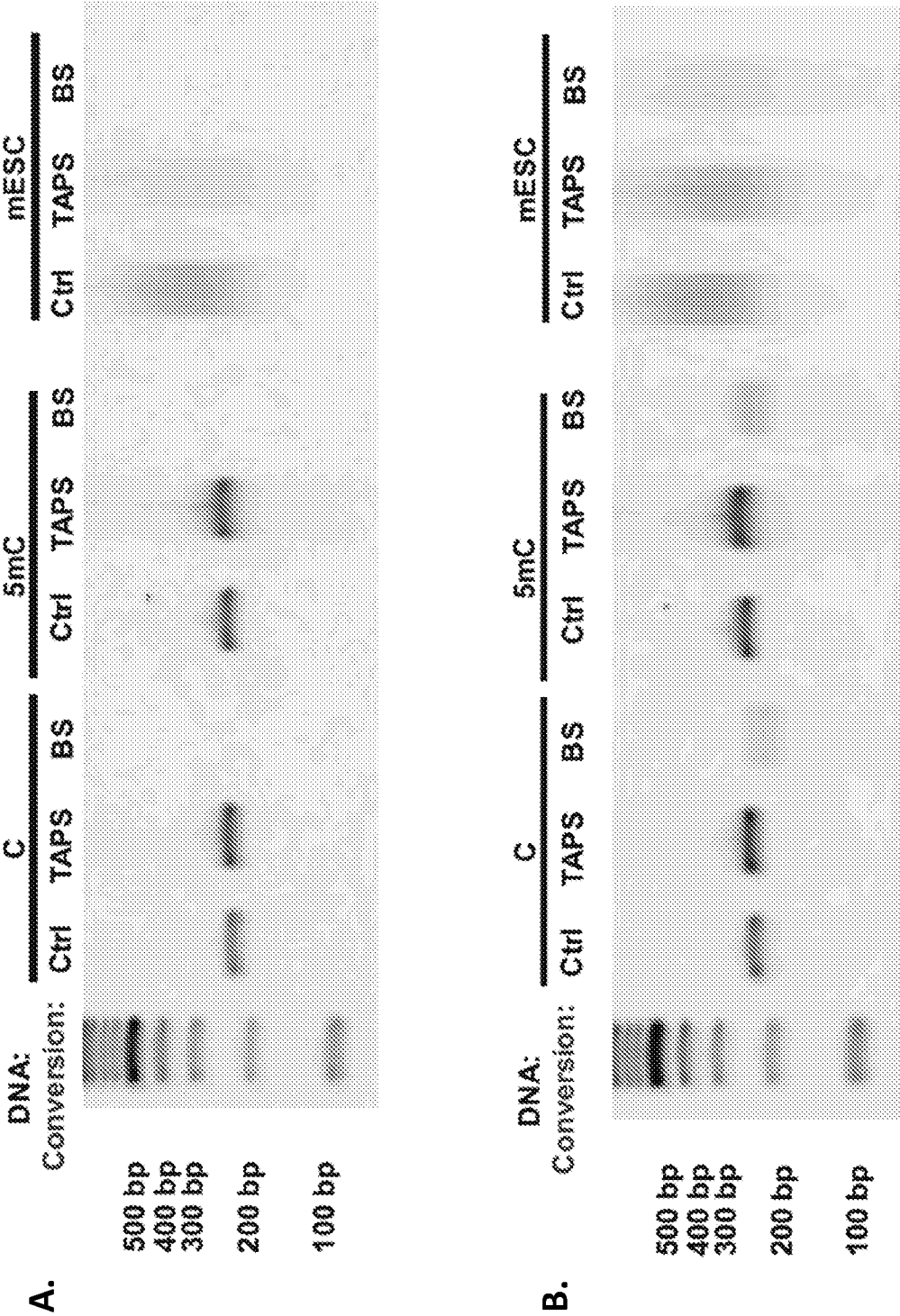


Fig. 10.

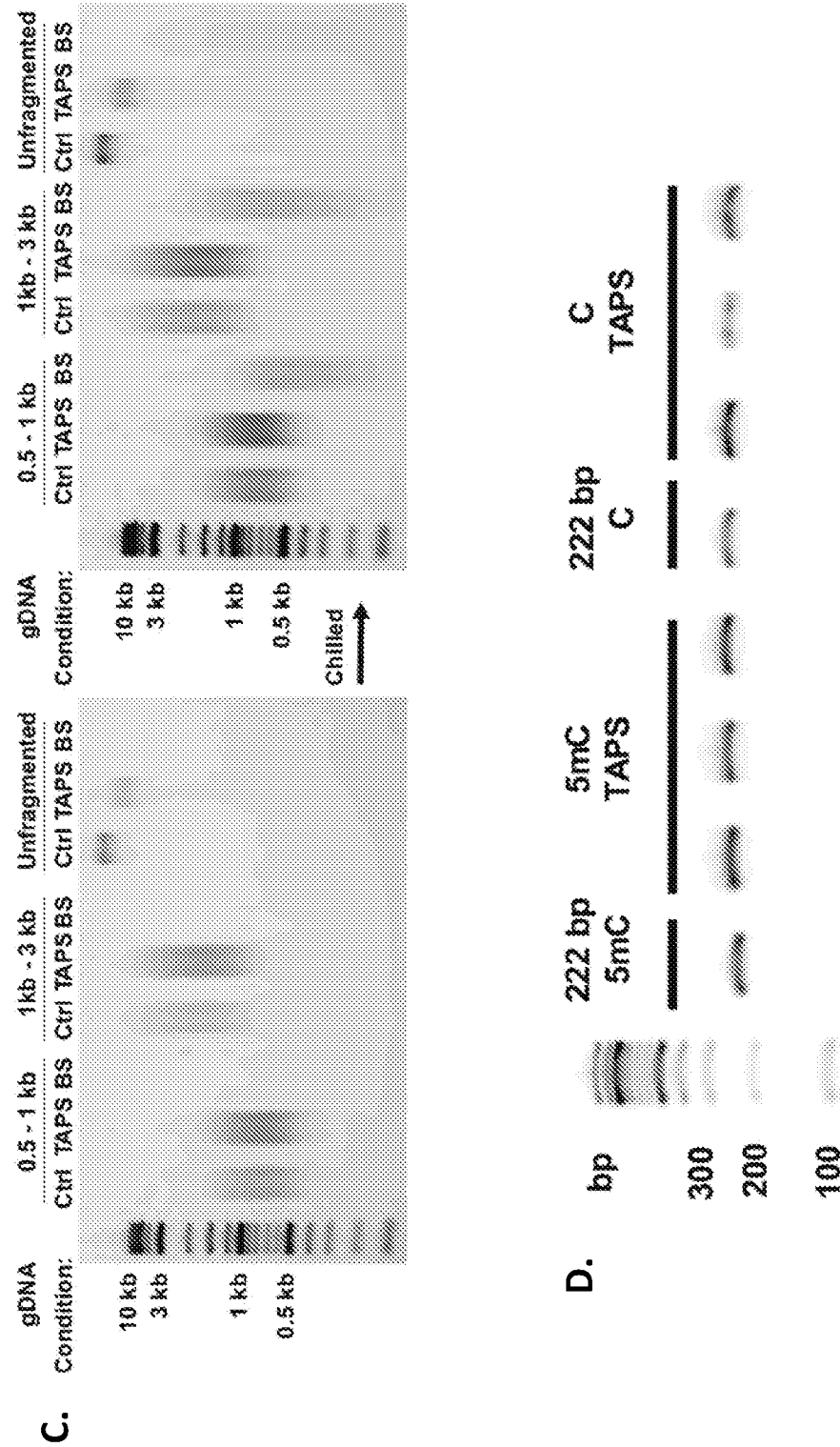


Fig. 10. (Cont.)

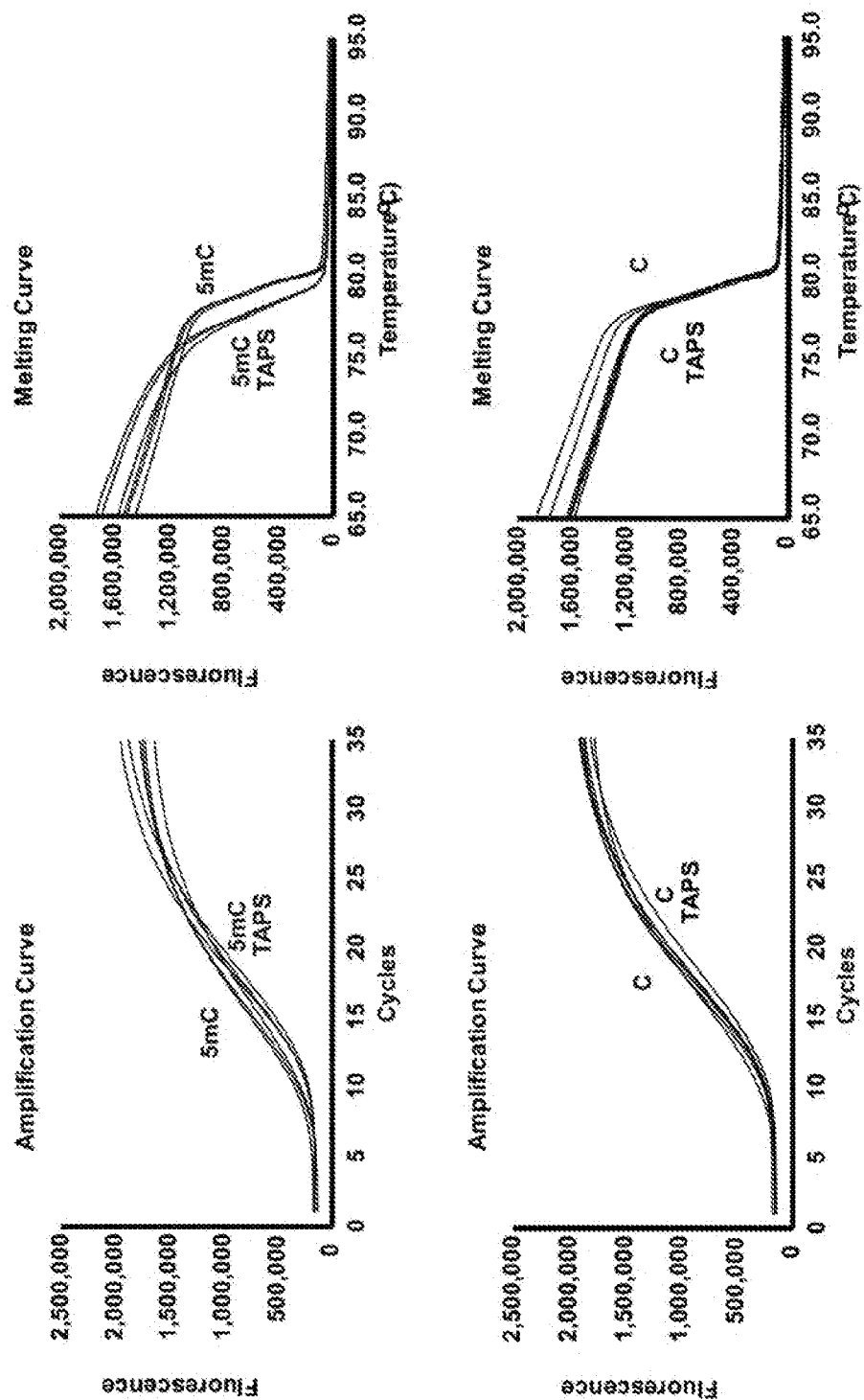


Fig. 11.

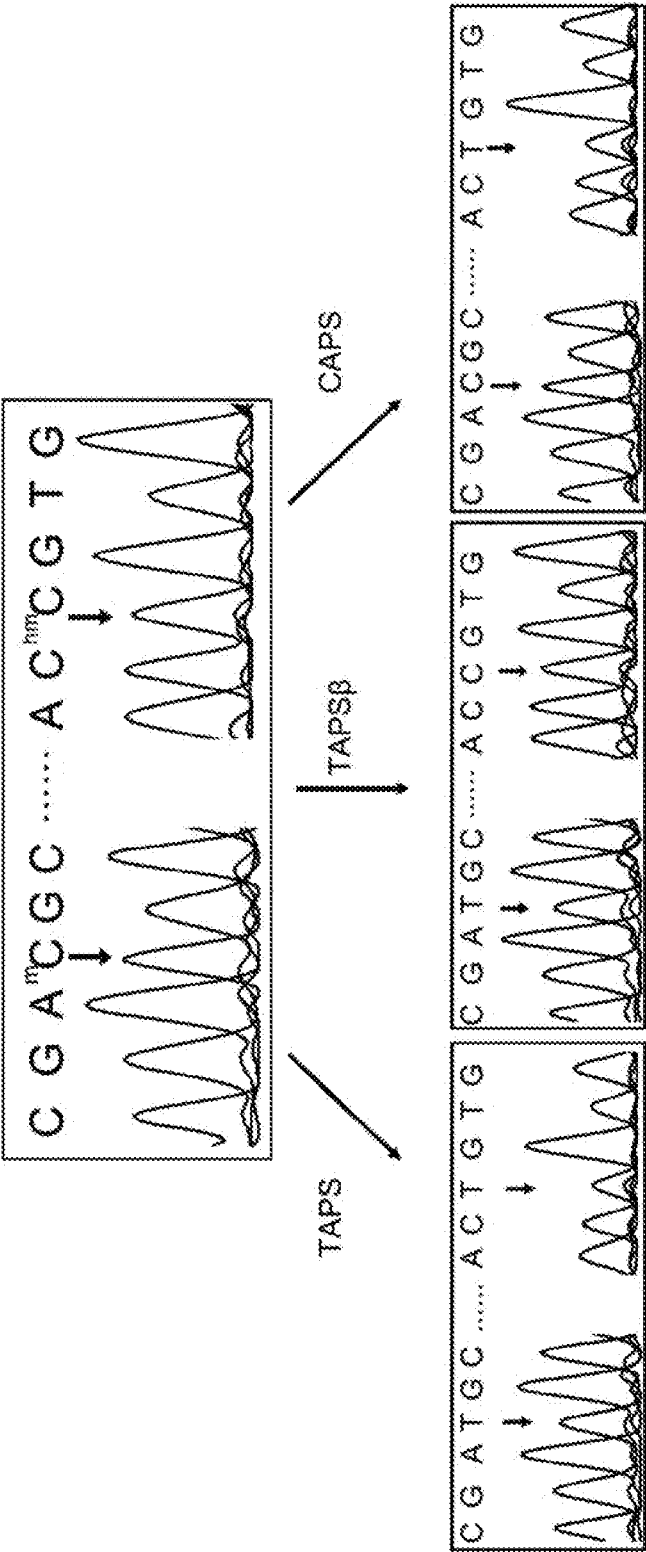


Fig. 12.

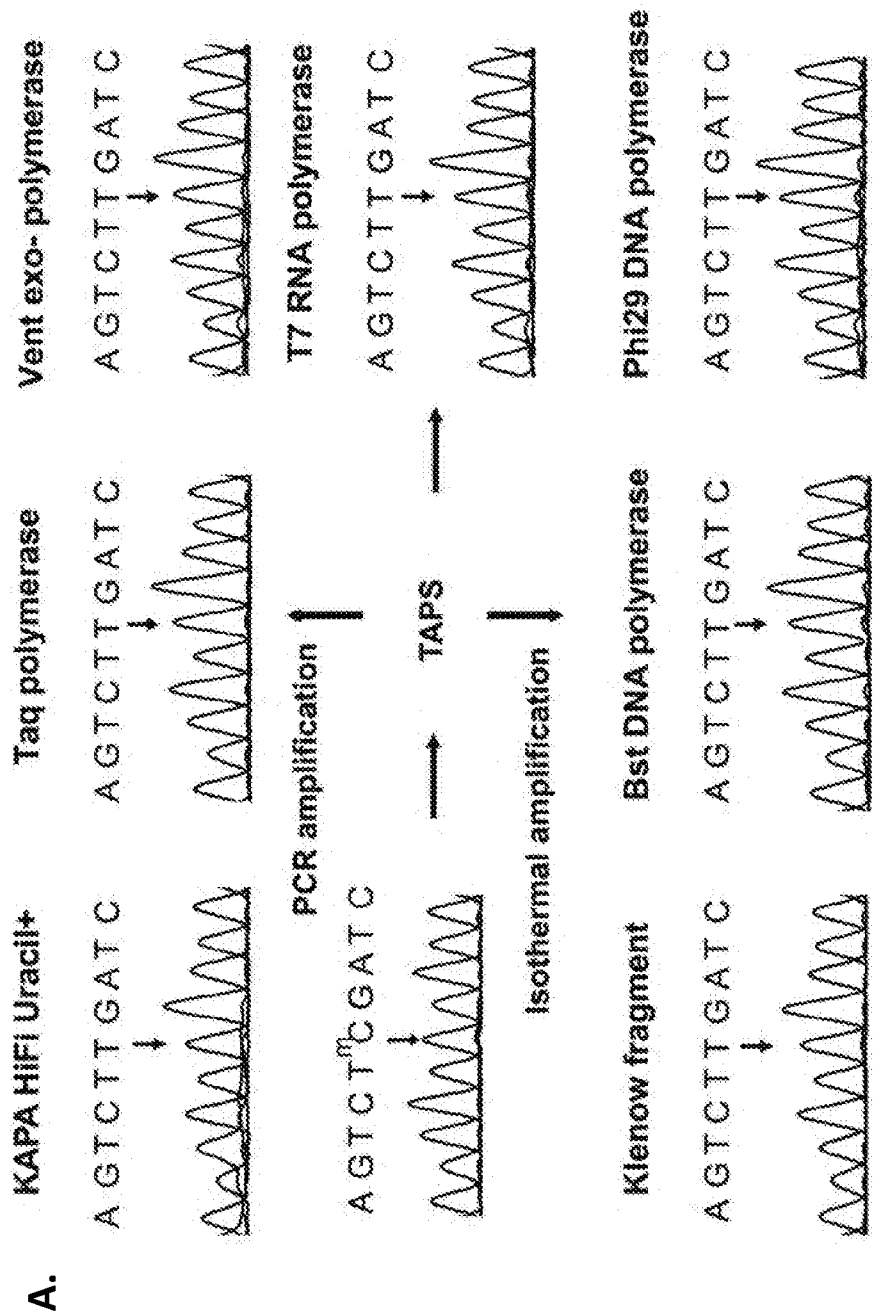
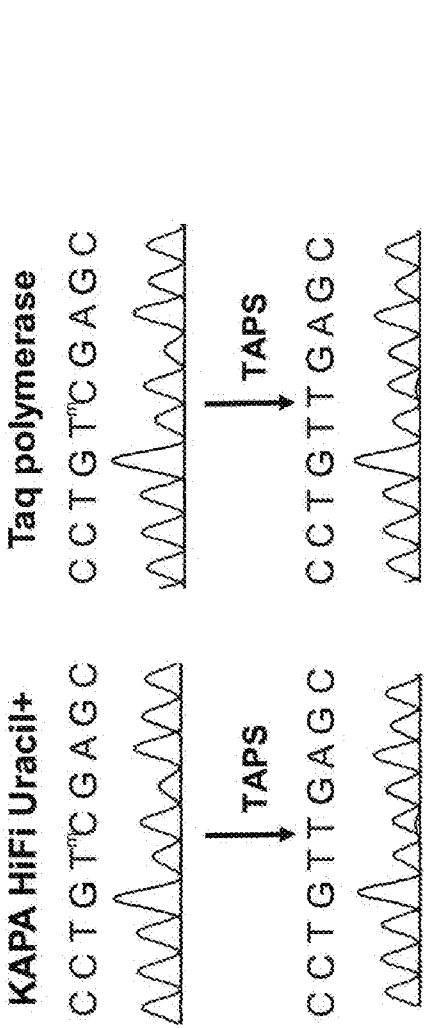


Fig. 13.

B.

Complete
C-to-T transition



Low or no
C-to-T transition

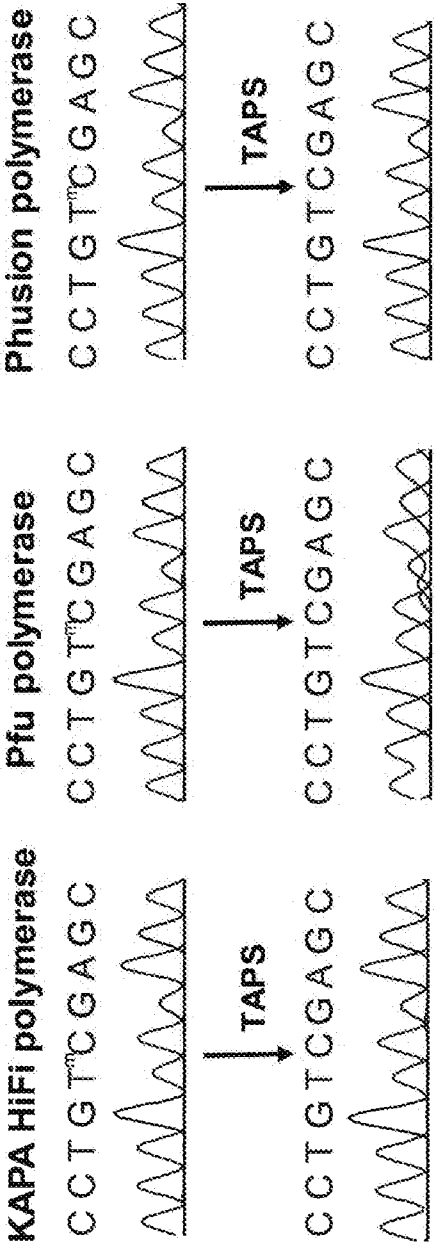


Fig. 13. (Cont.)

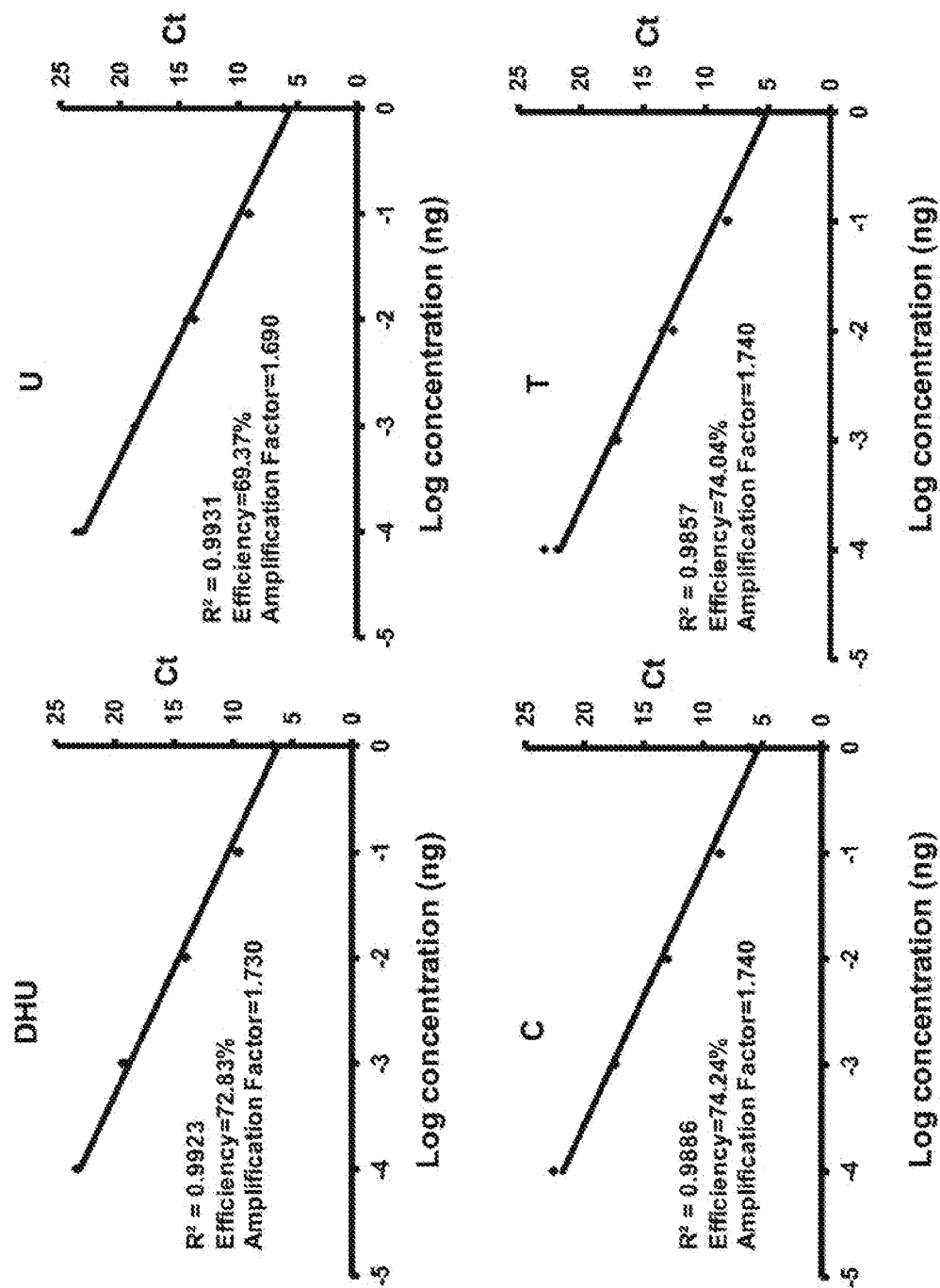


Fig. 14.

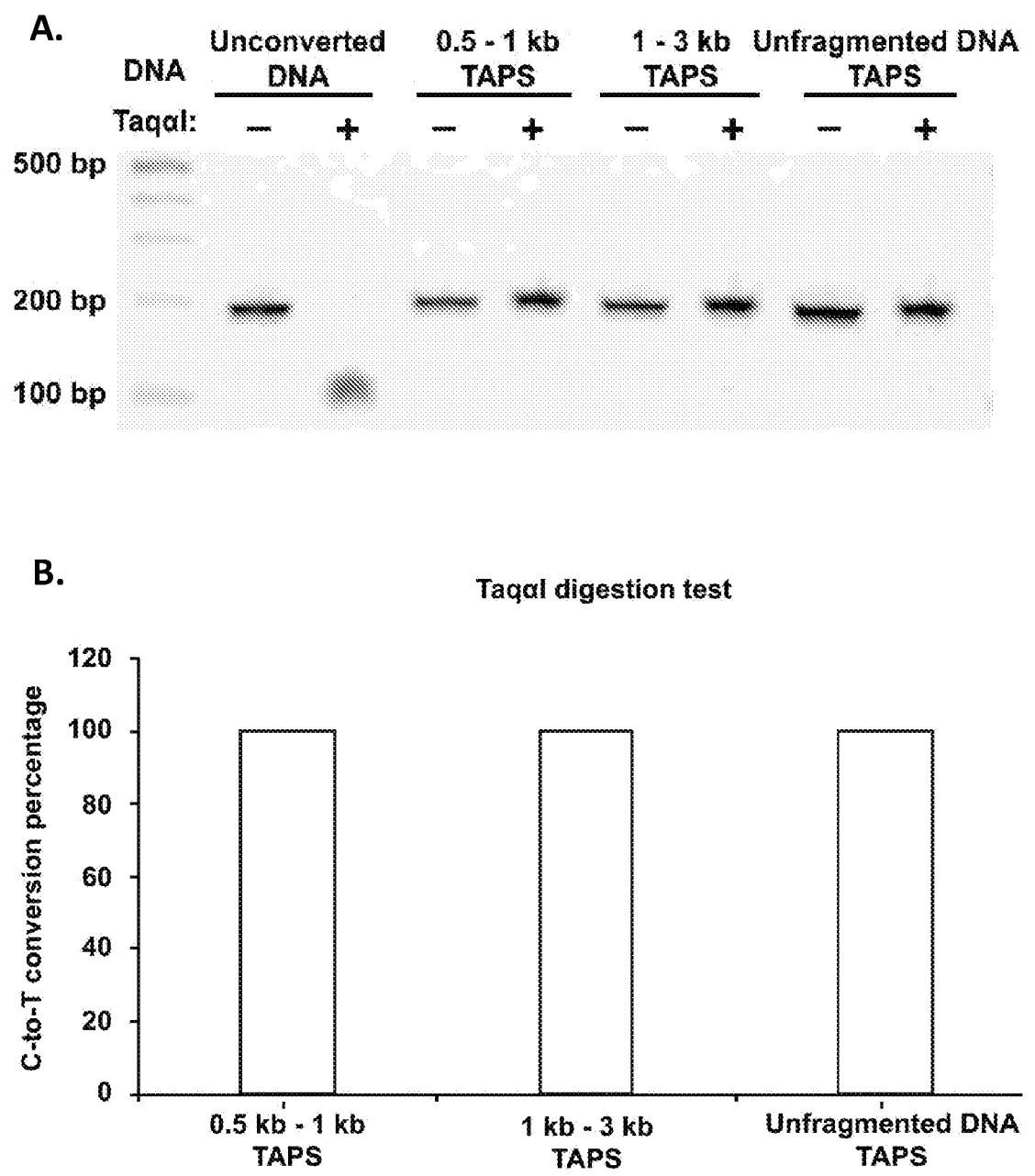


Fig. 15.

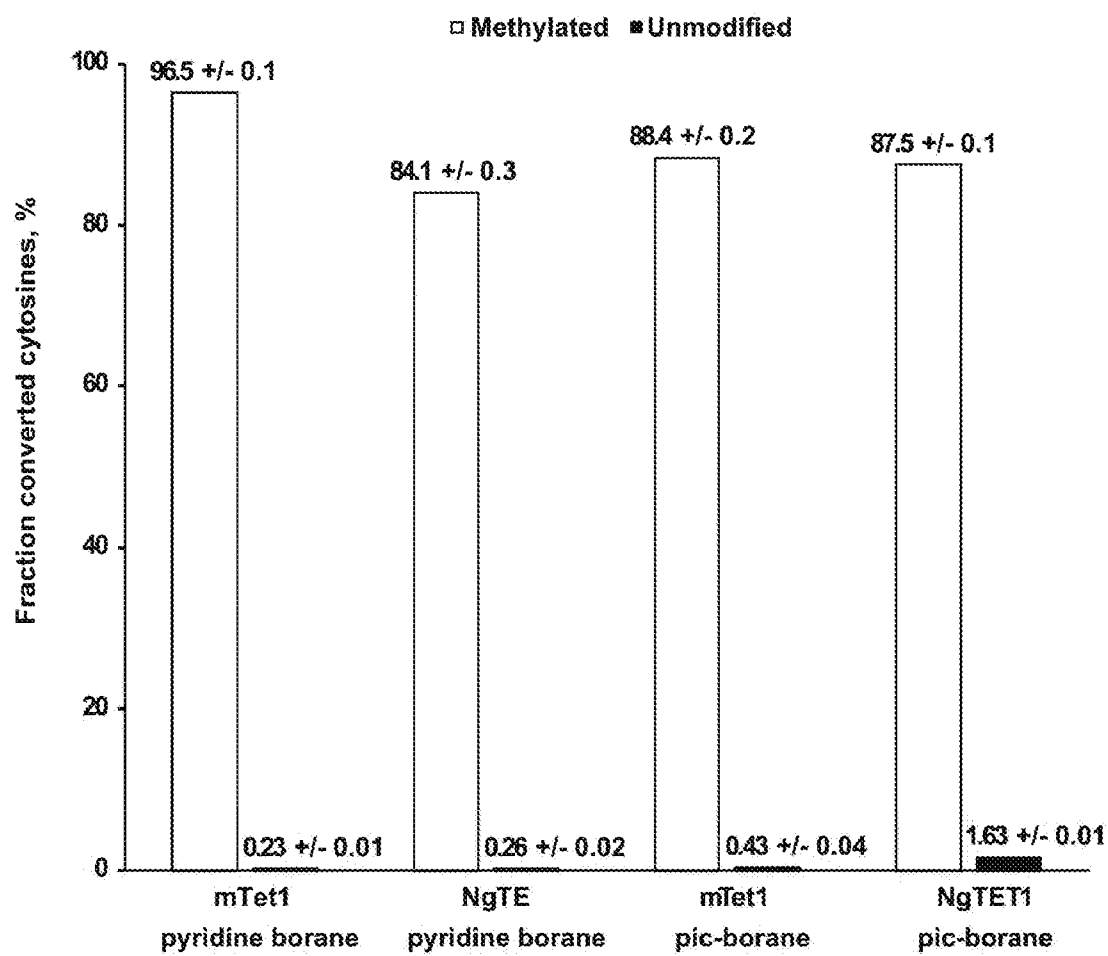


Fig. 16.

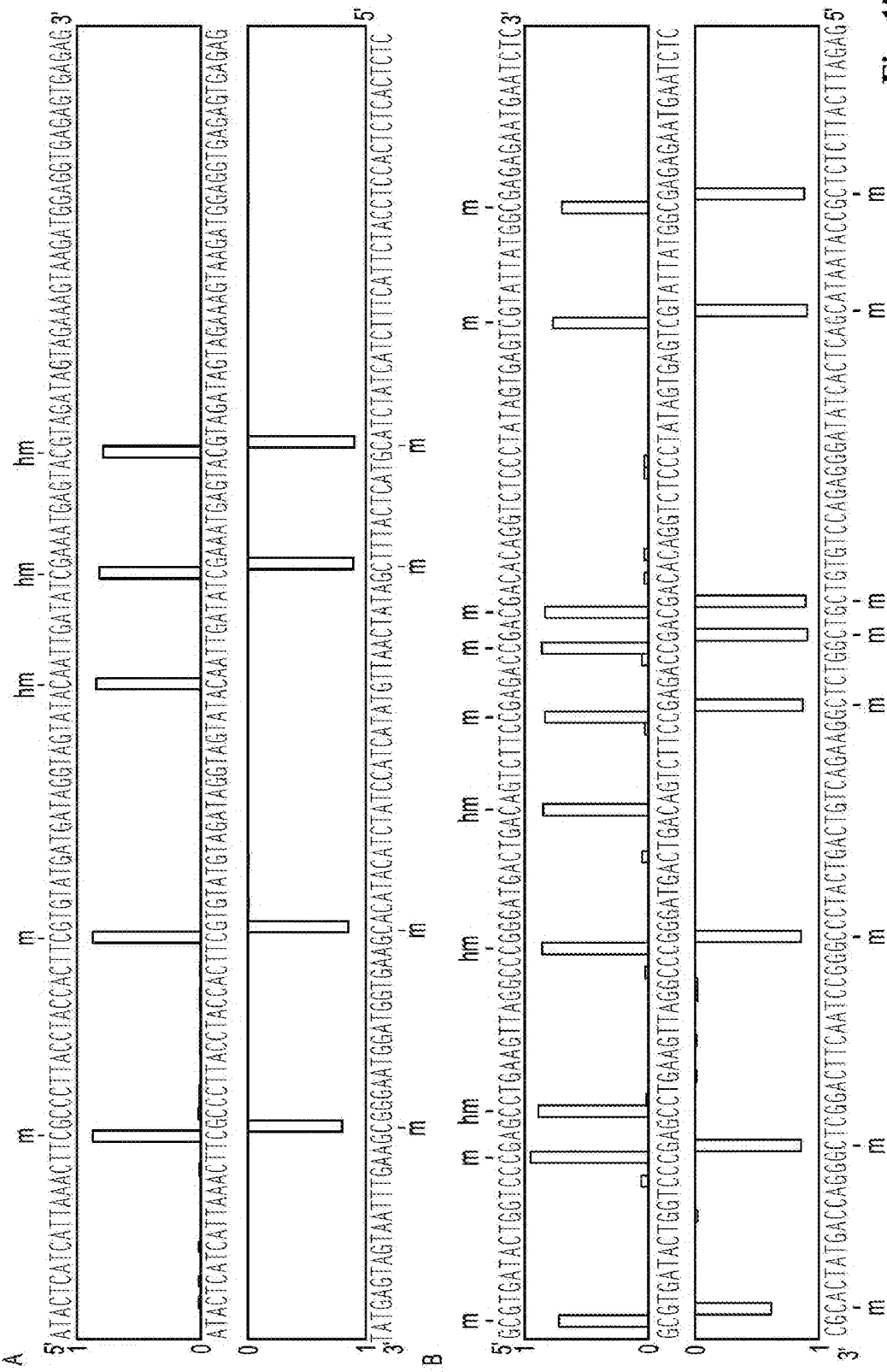


Fig. 17

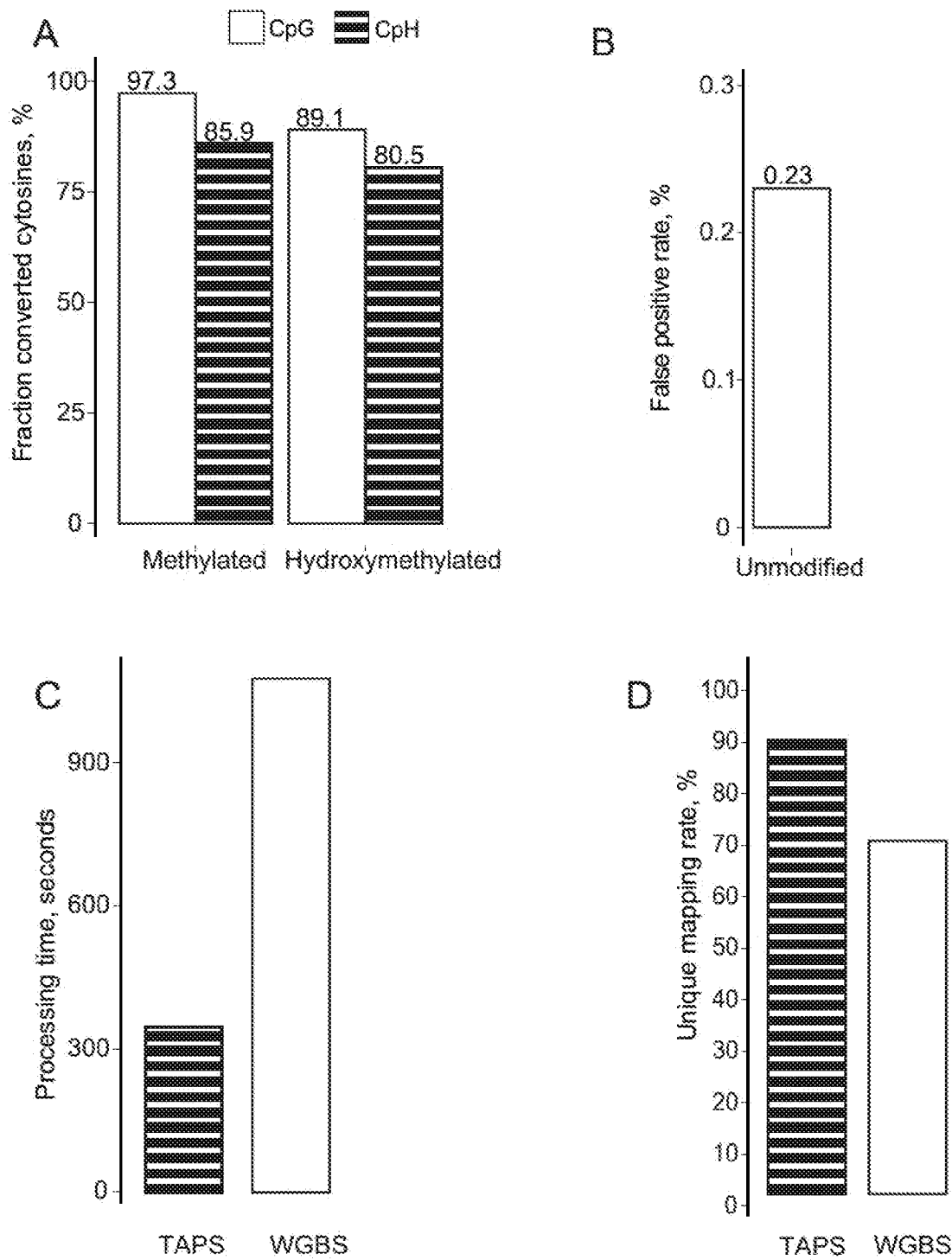


Fig. 18.

E

Sequencing base quality

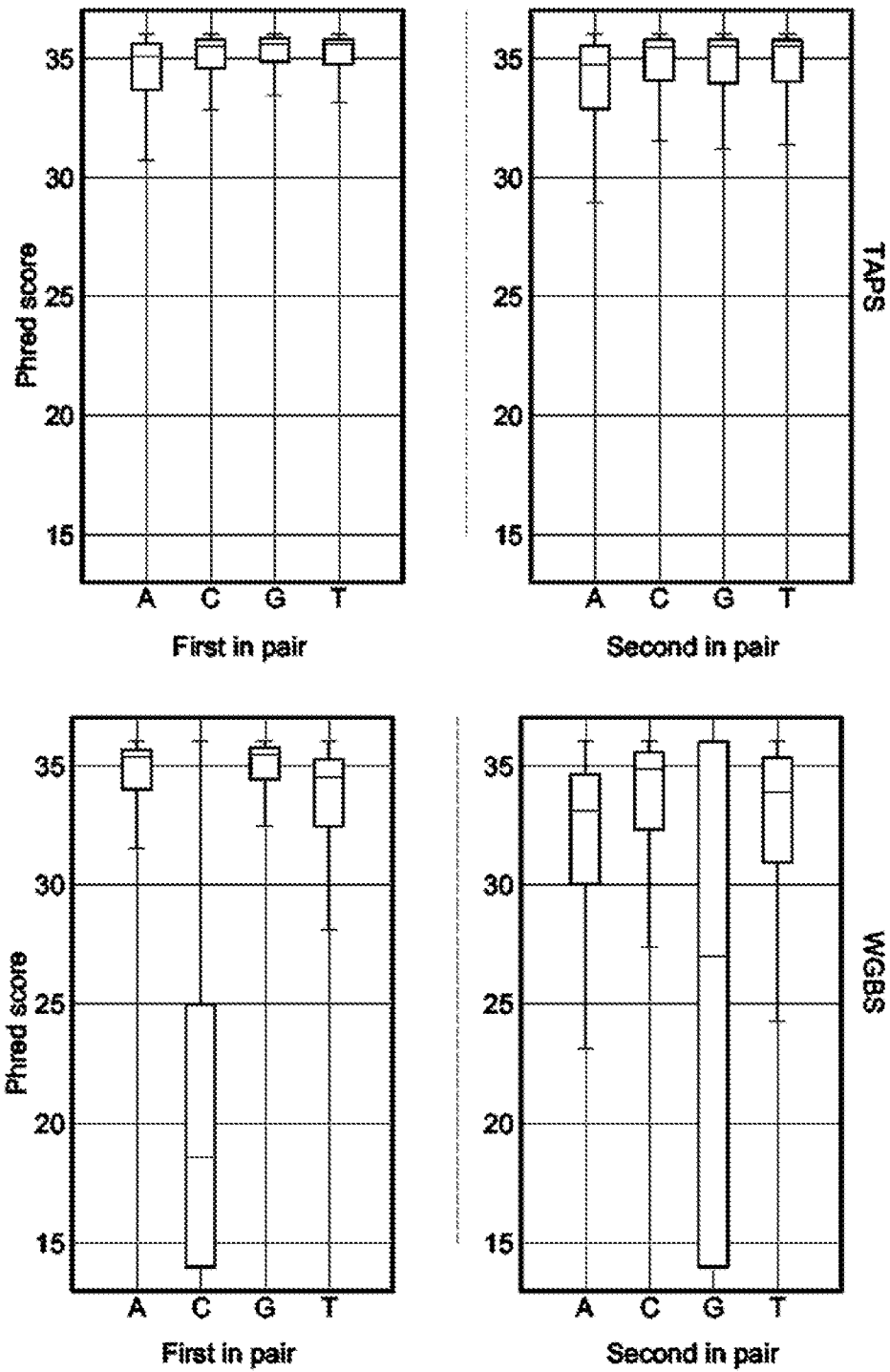


Fig. 18 (Cont.)

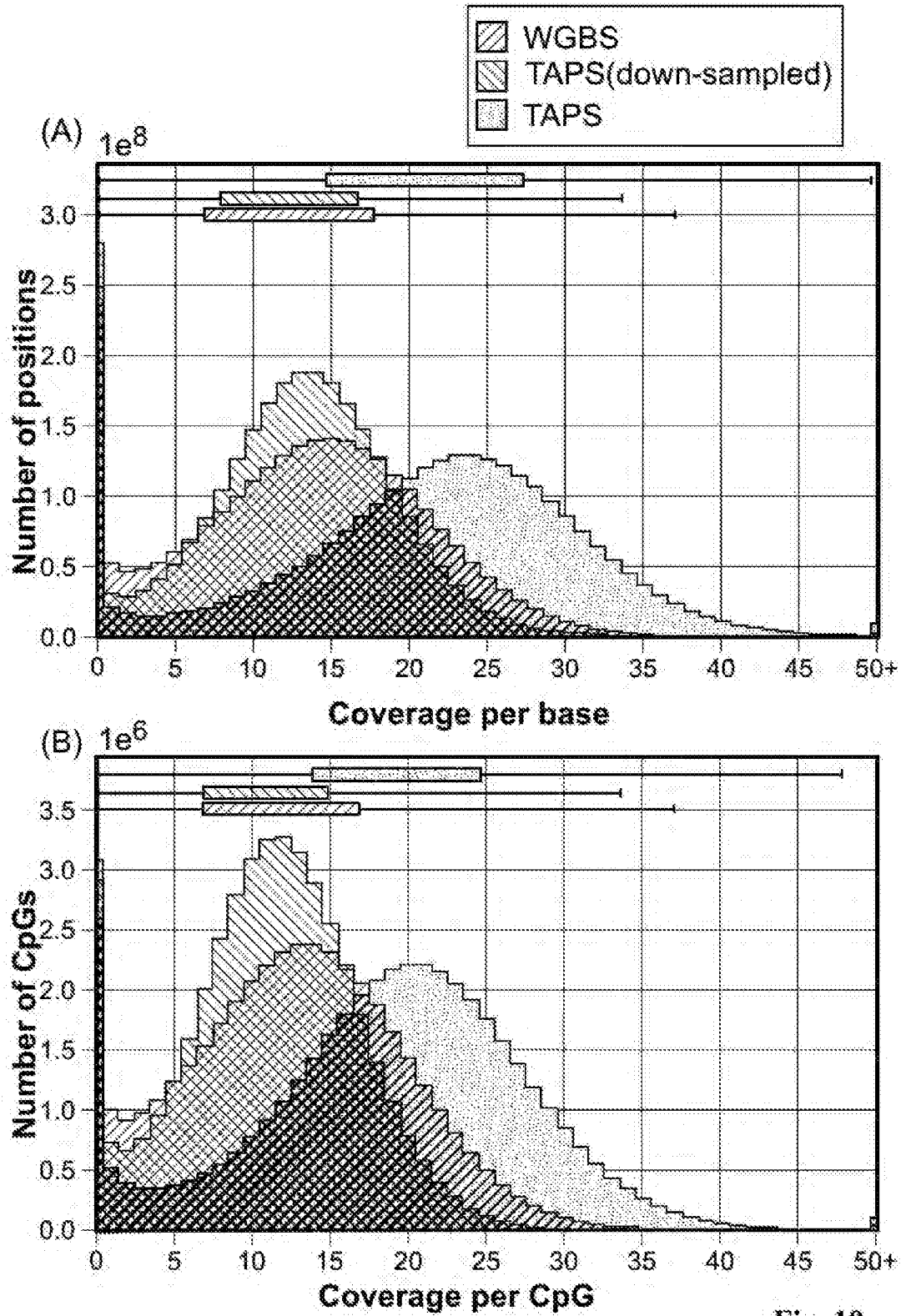


Fig. 19.

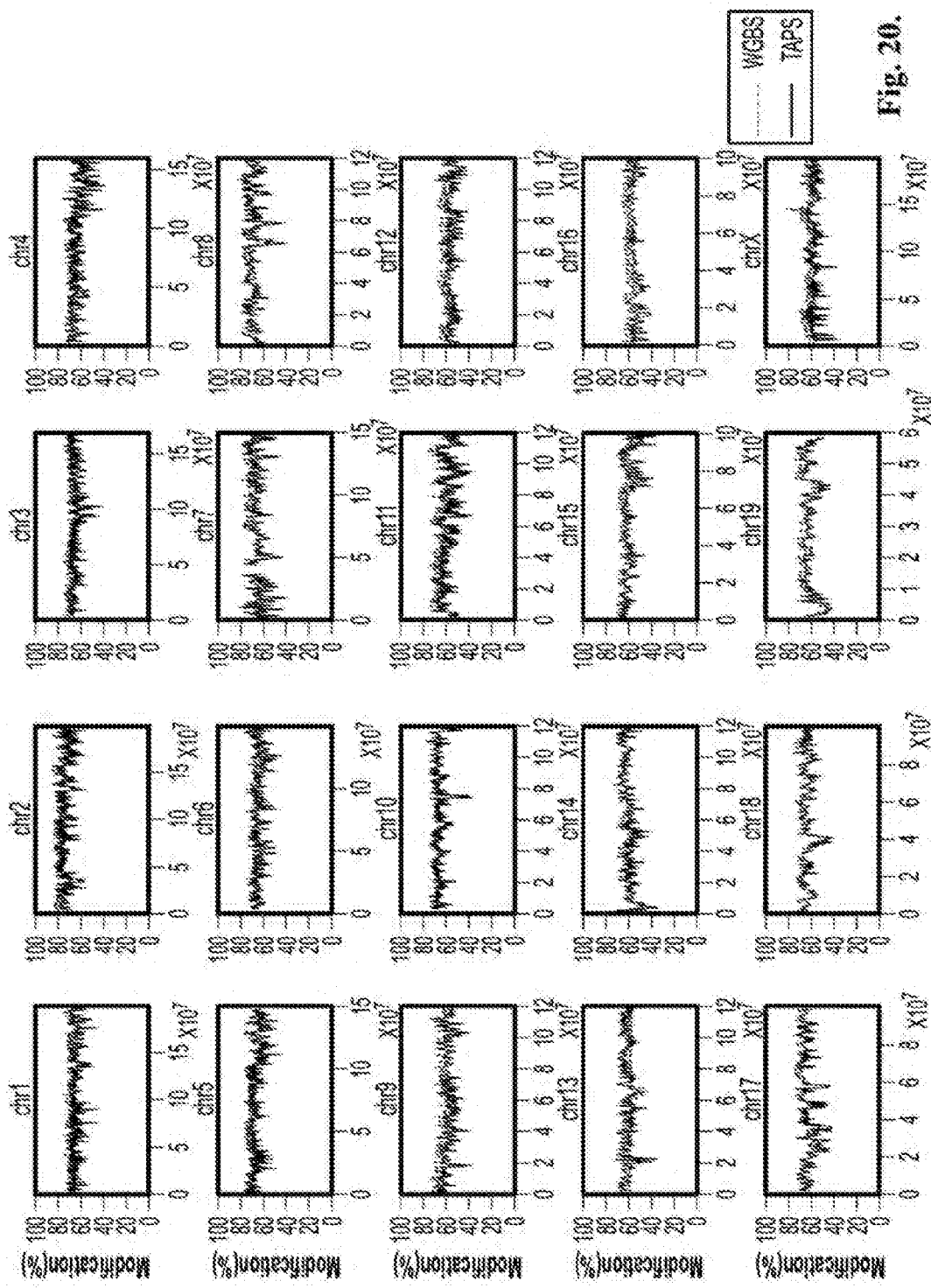


Fig. 20.

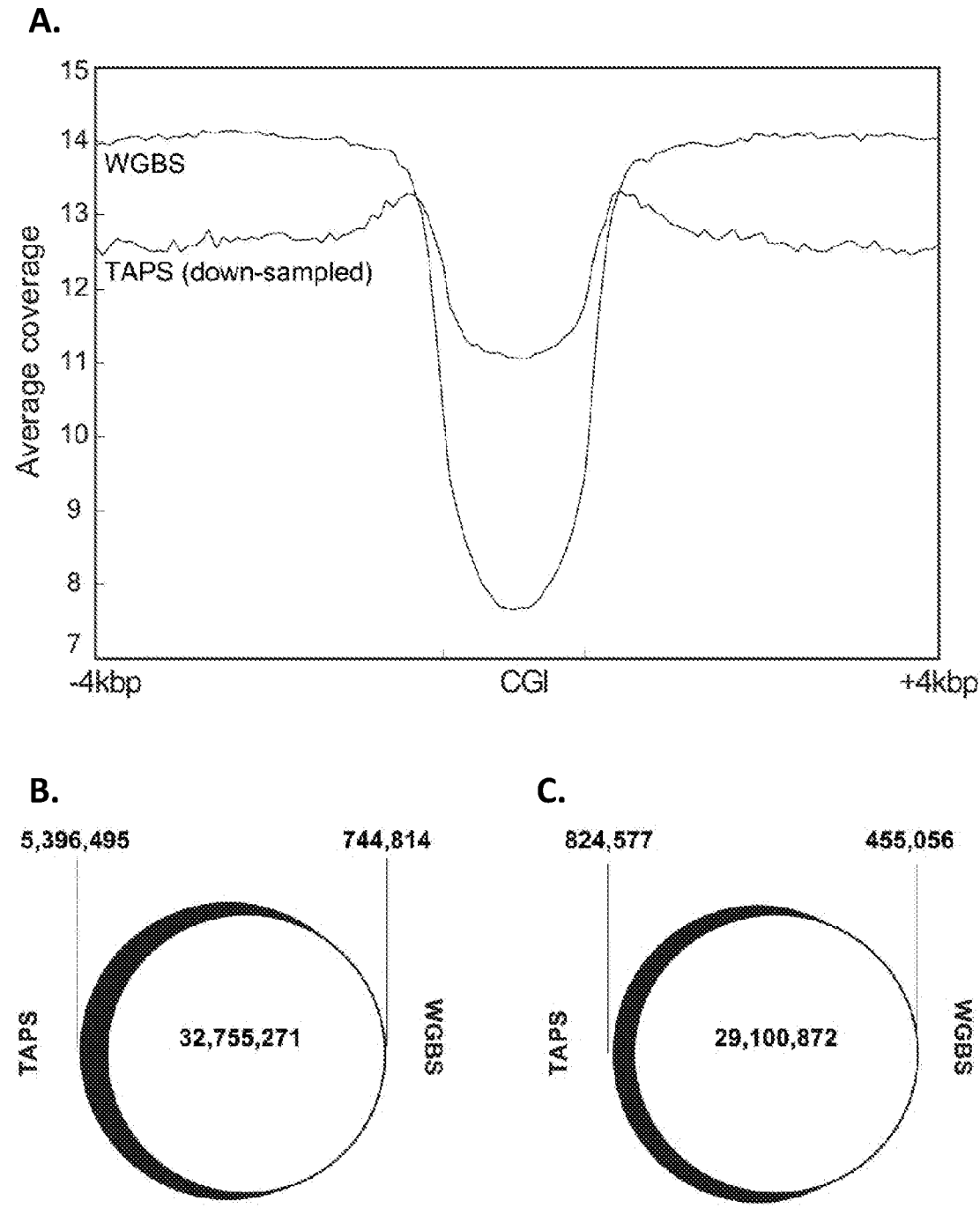


Fig. 21.

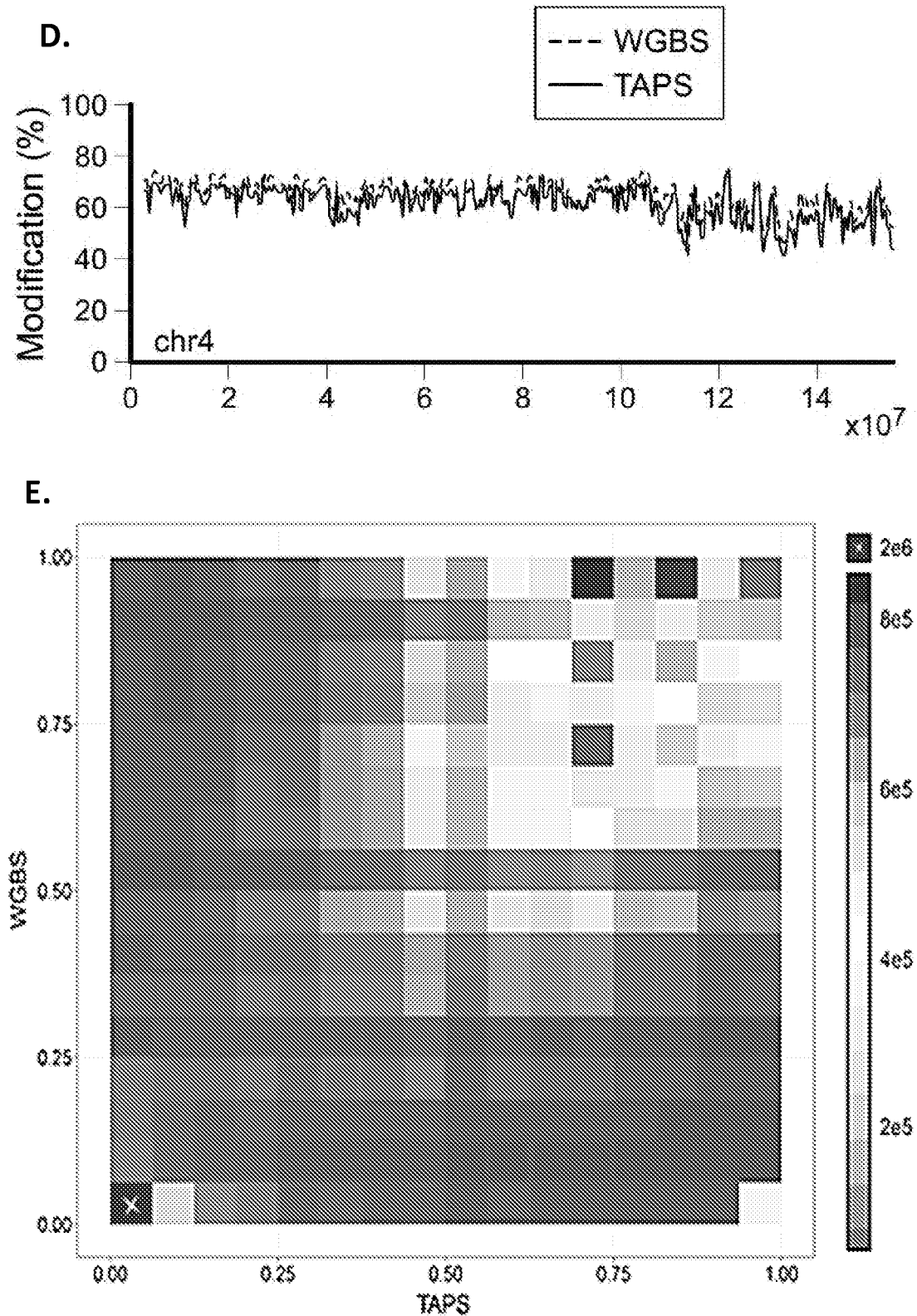


Fig. 21 (Cont.).

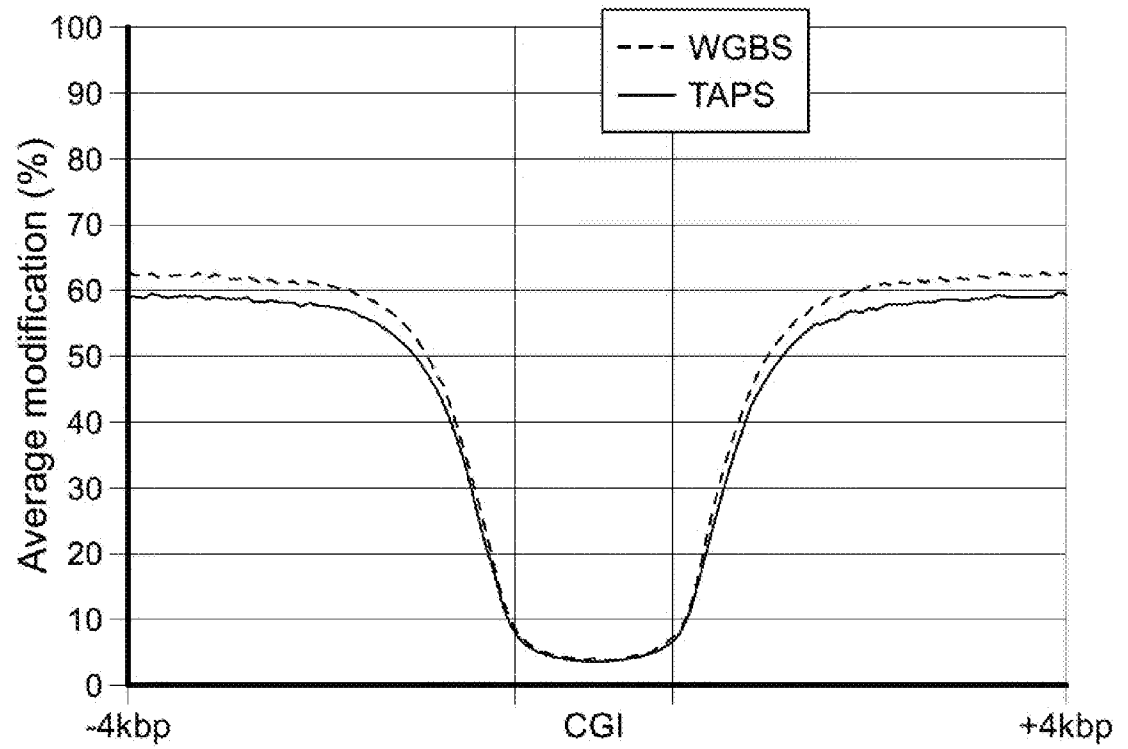


Fig. 22.

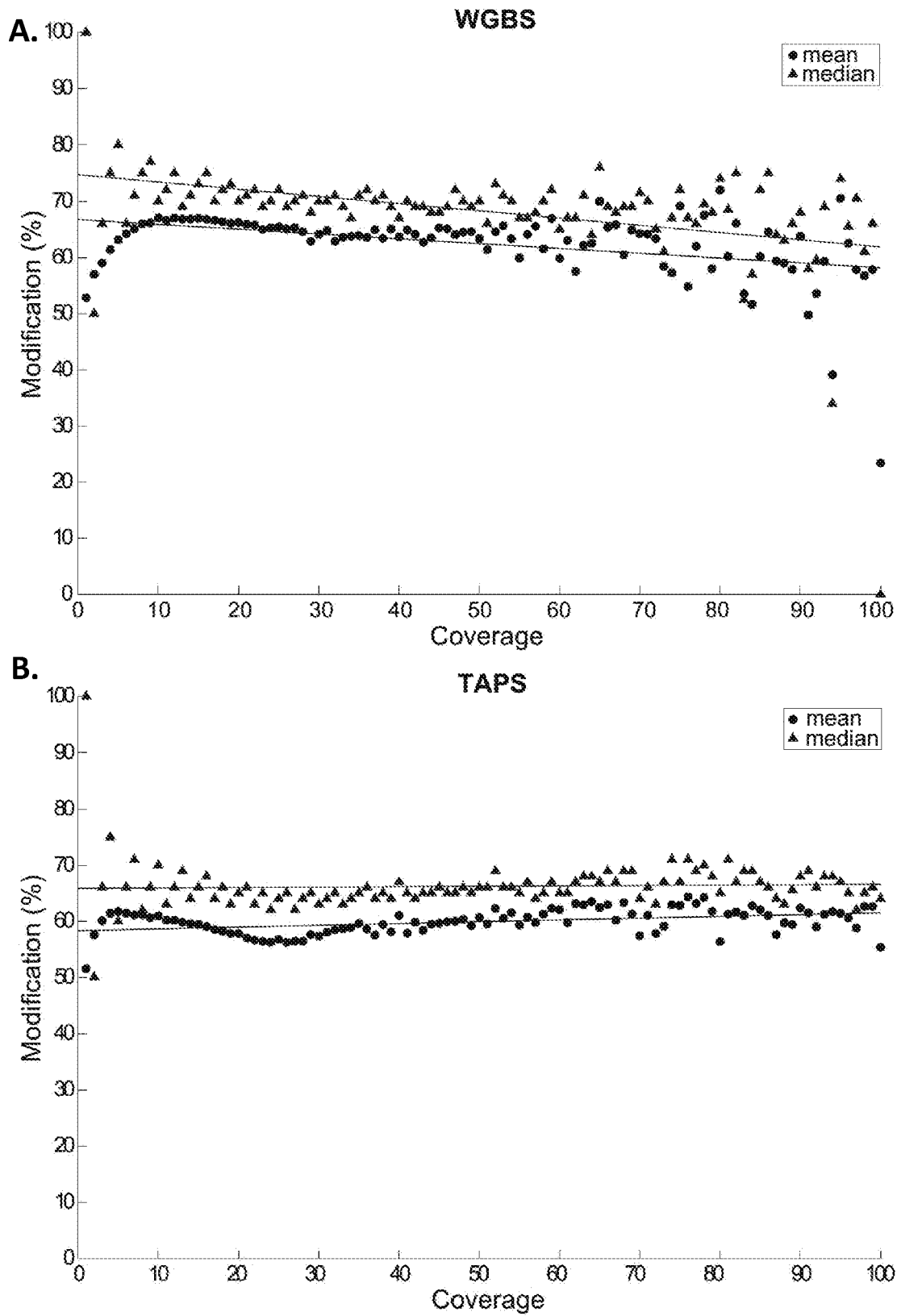
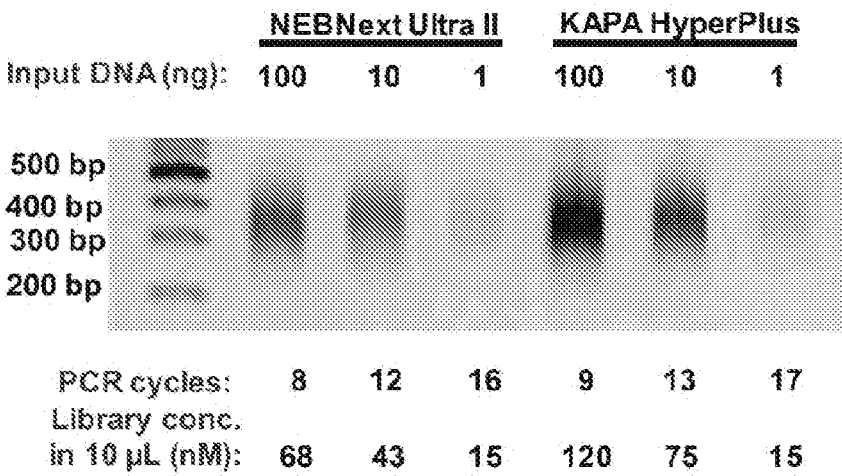


Fig. 23.

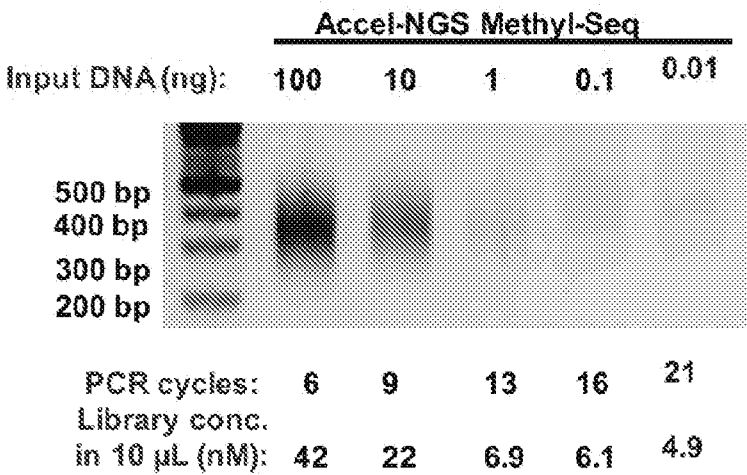
A

Library preparation kits for dsDNA



B

Library preparation kit for ssDNA



C

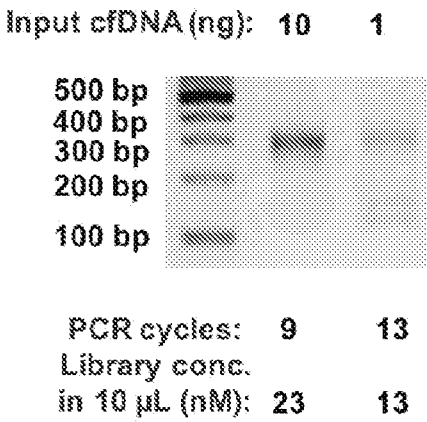


Fig. 24.

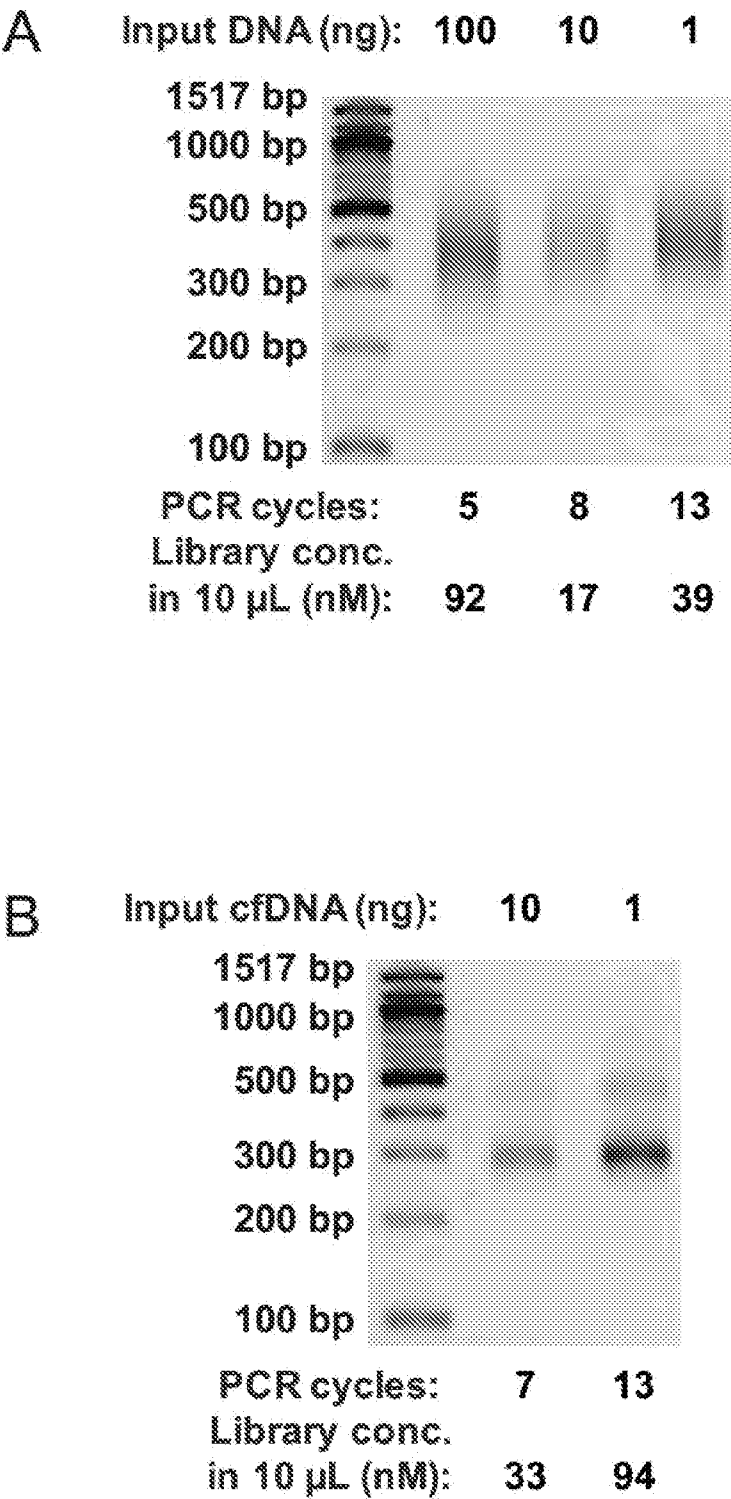


Fig. 25.

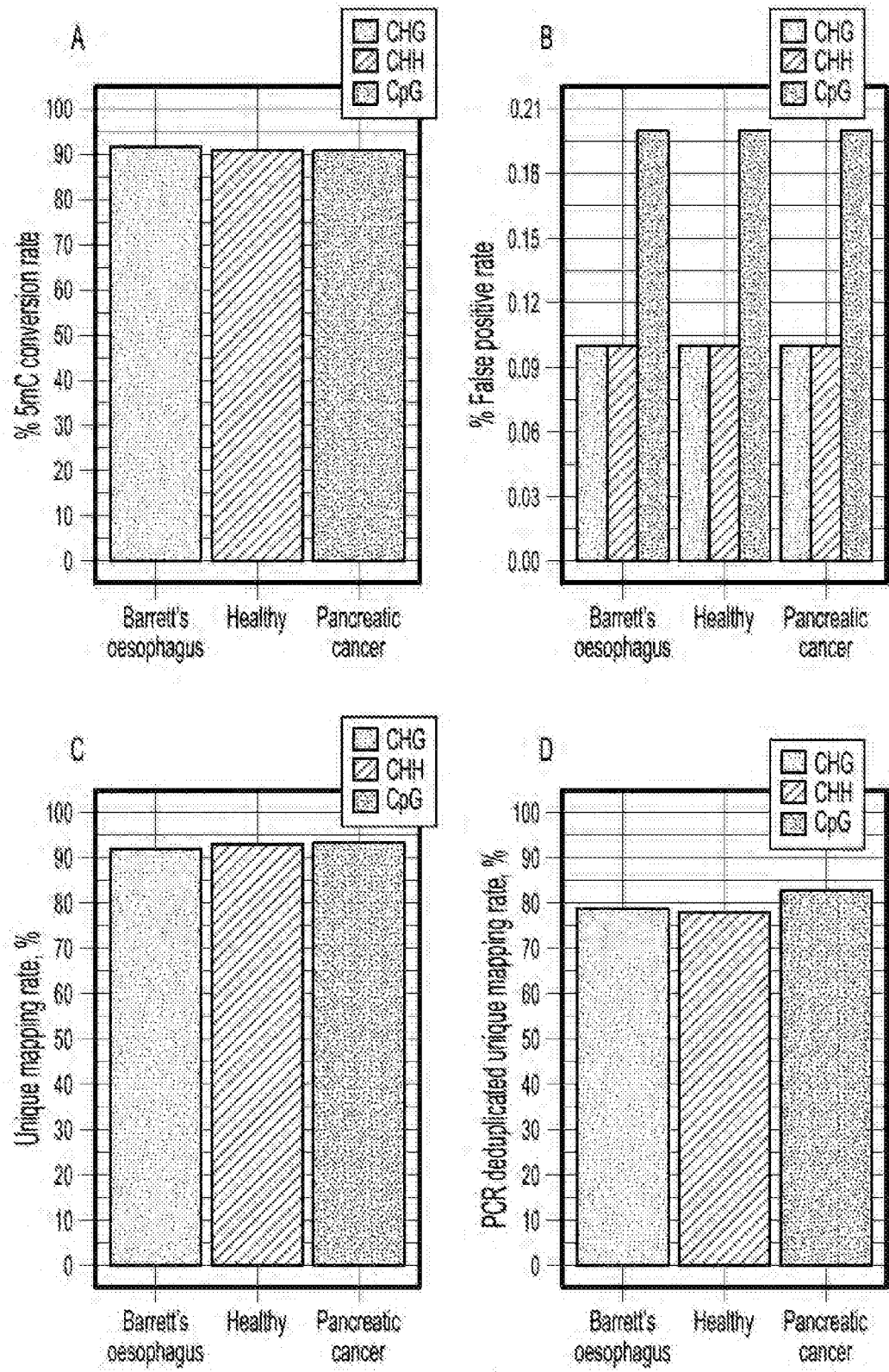


Fig. 26.

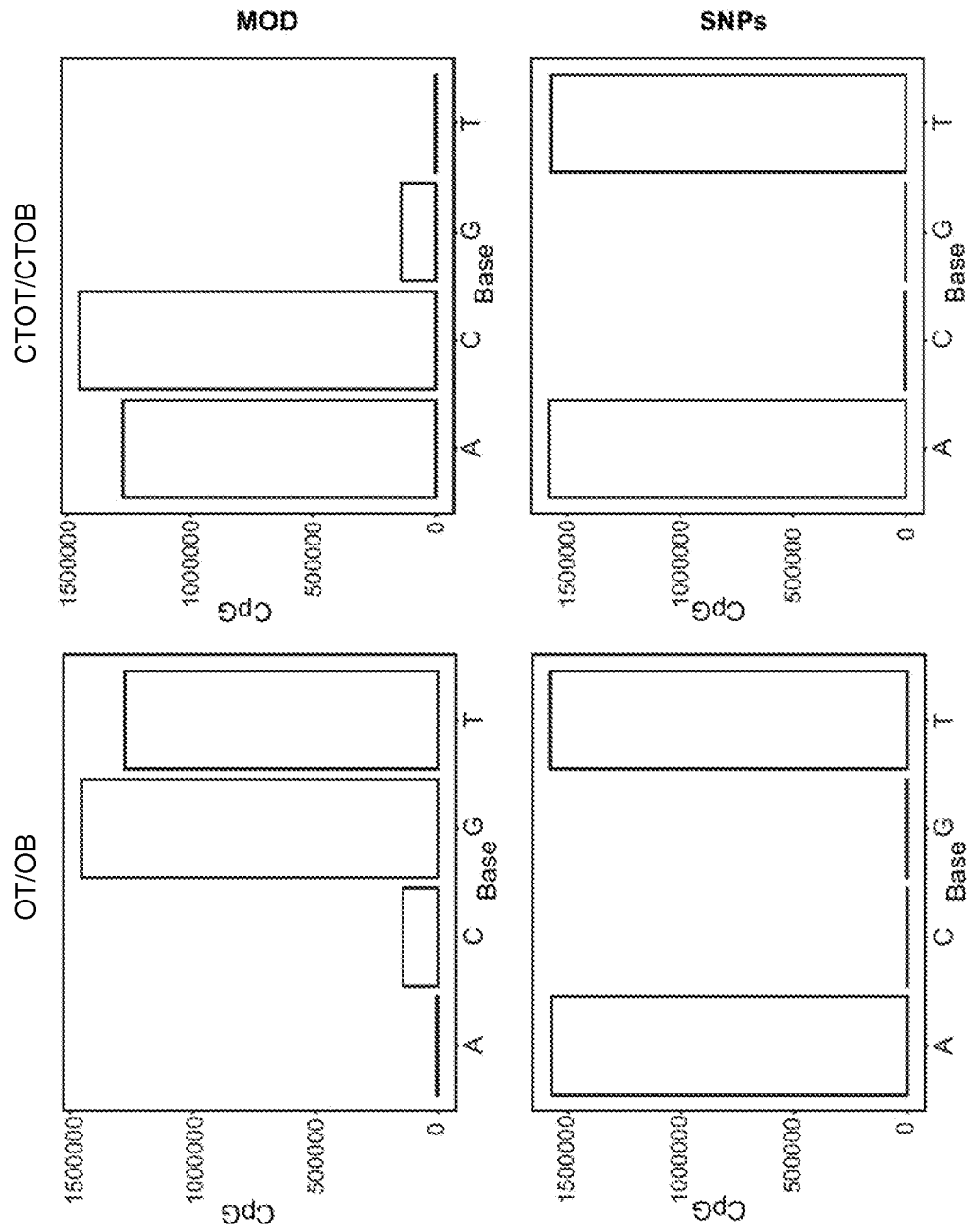


Fig. 27.

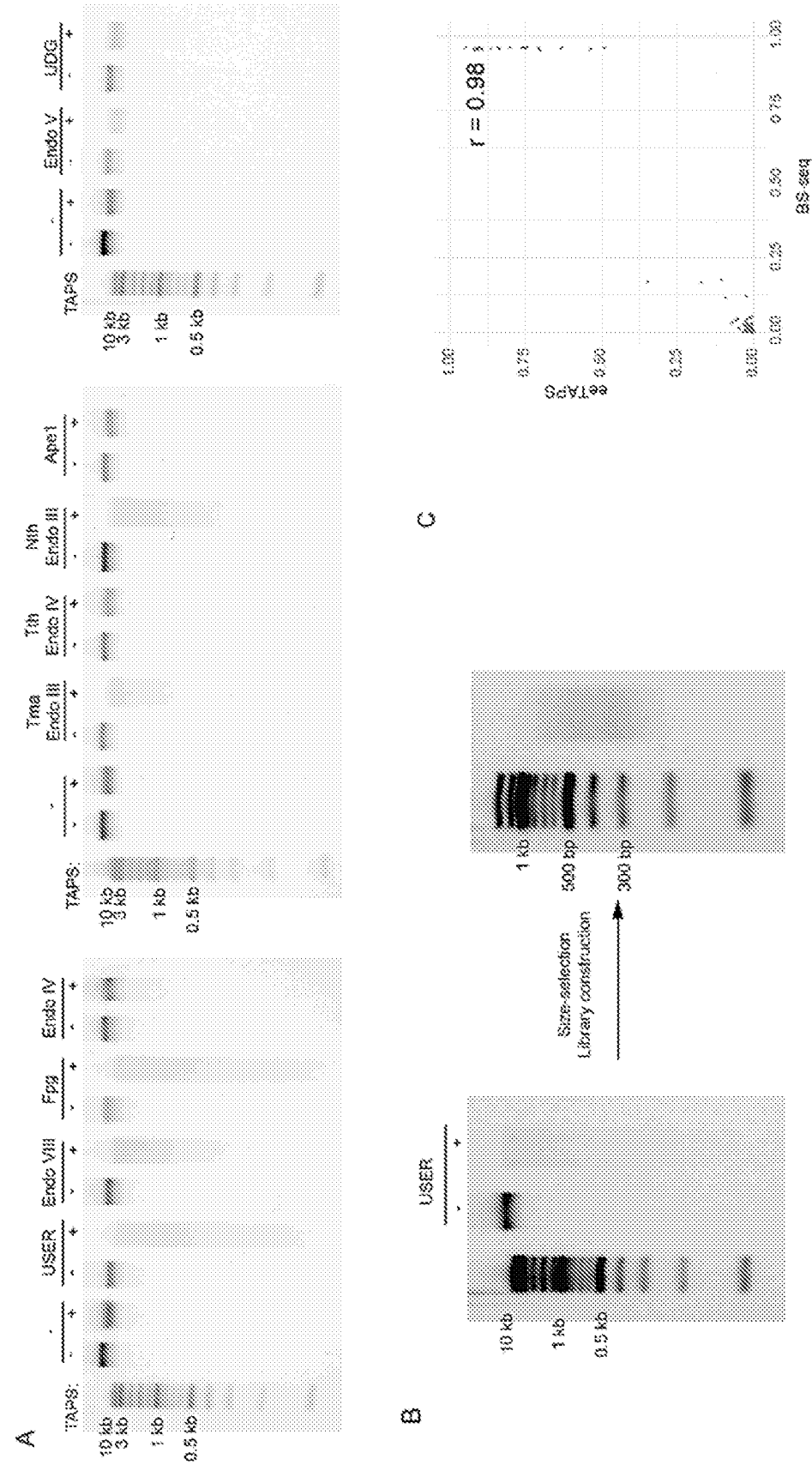


Fig. 28

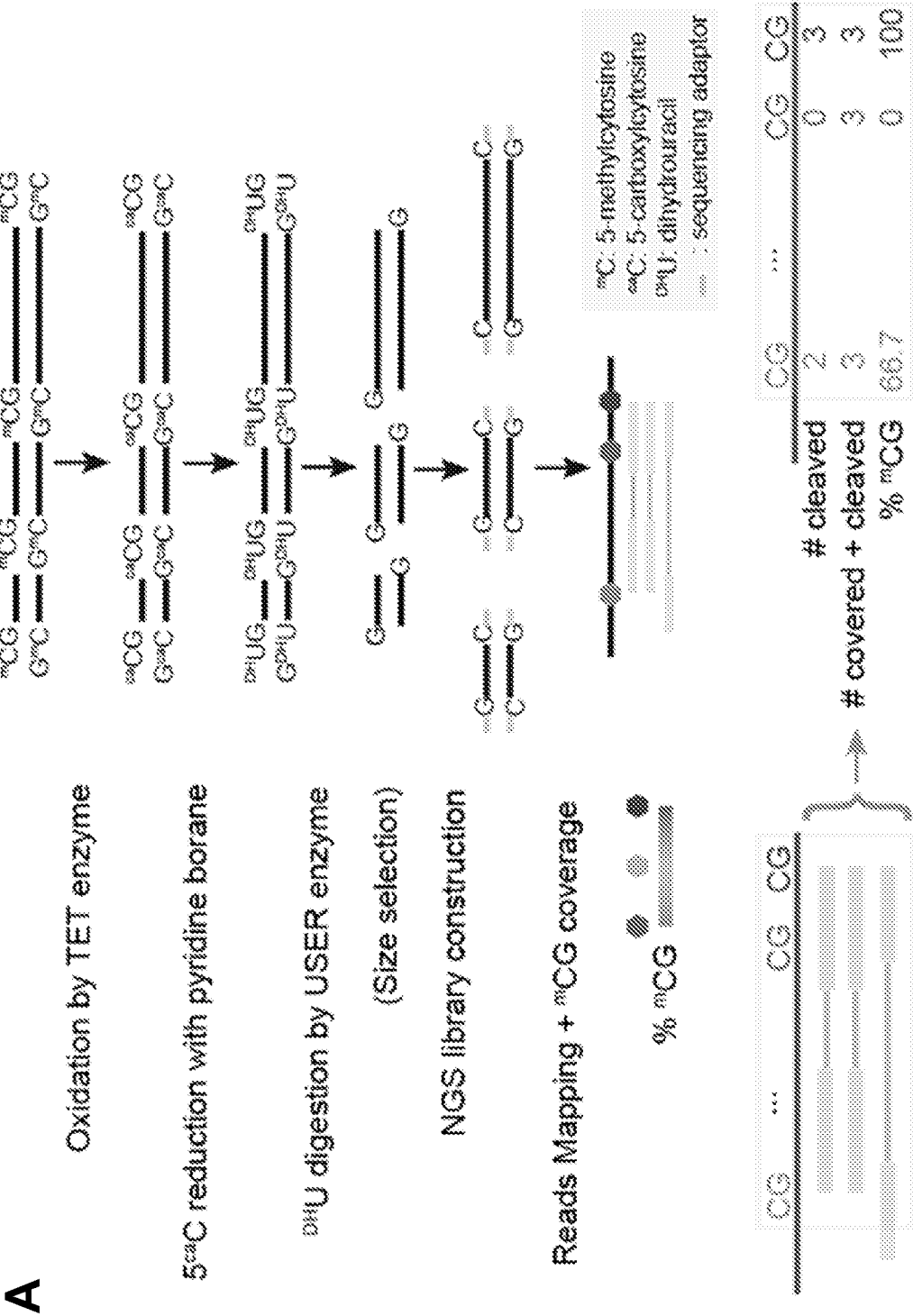


Fig. 29

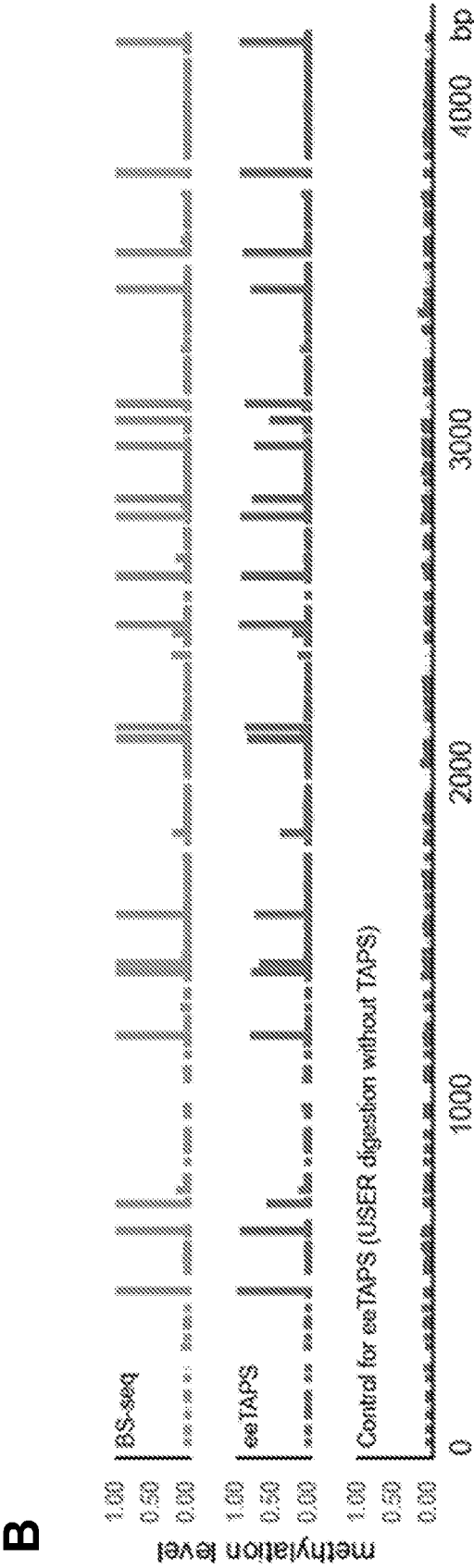


Fig. 29 (continued)

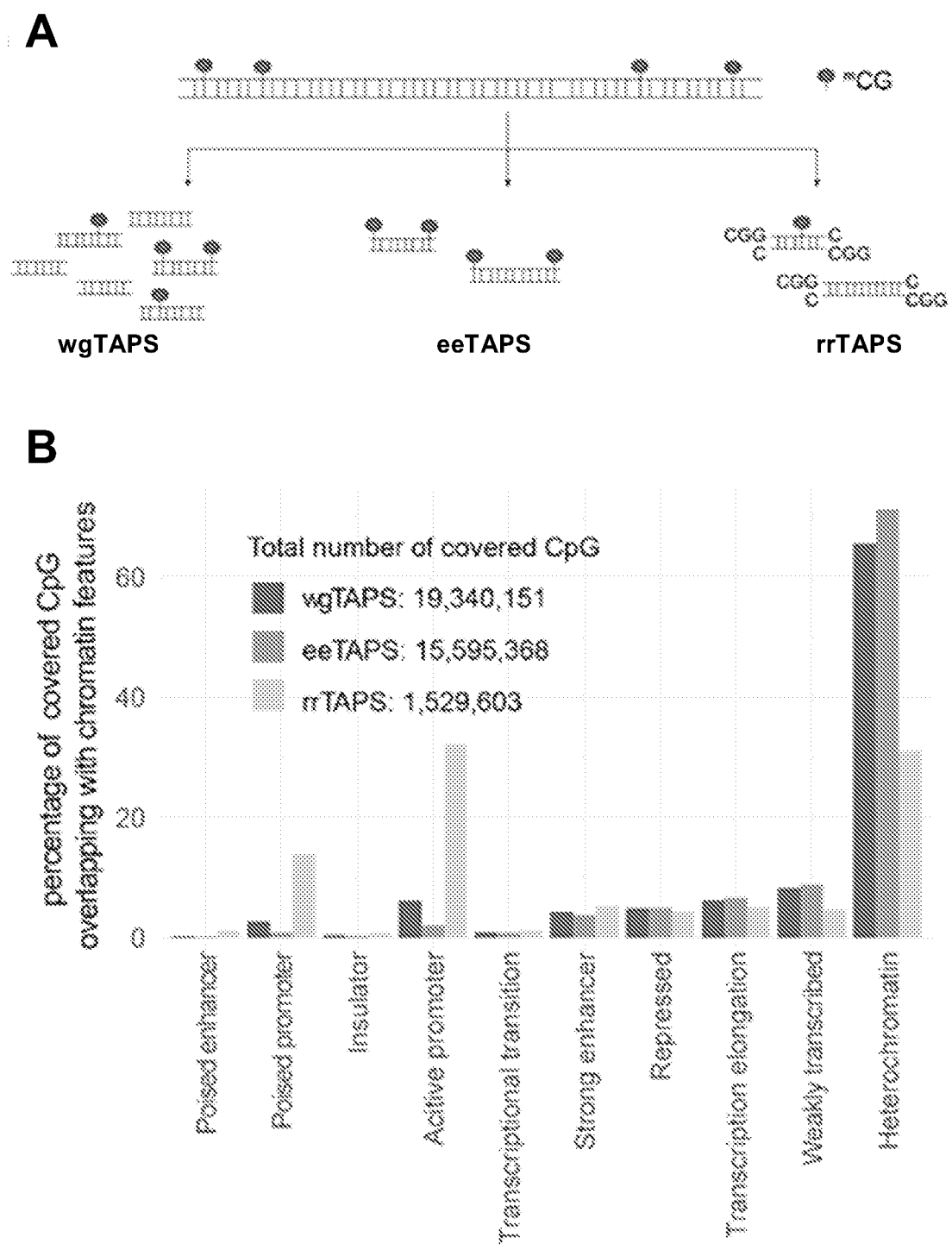


Fig. 30

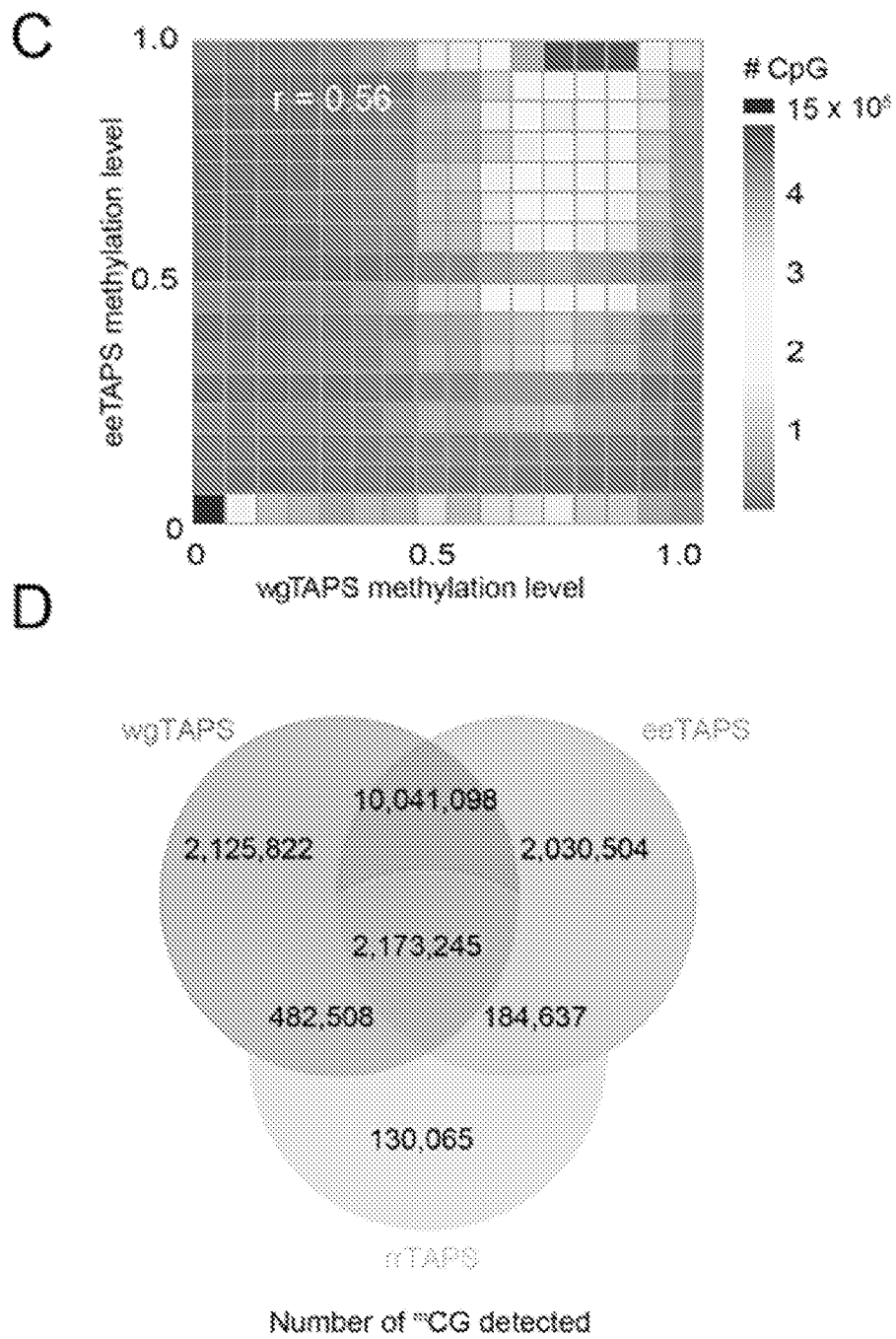


Fig. 30 (continued)

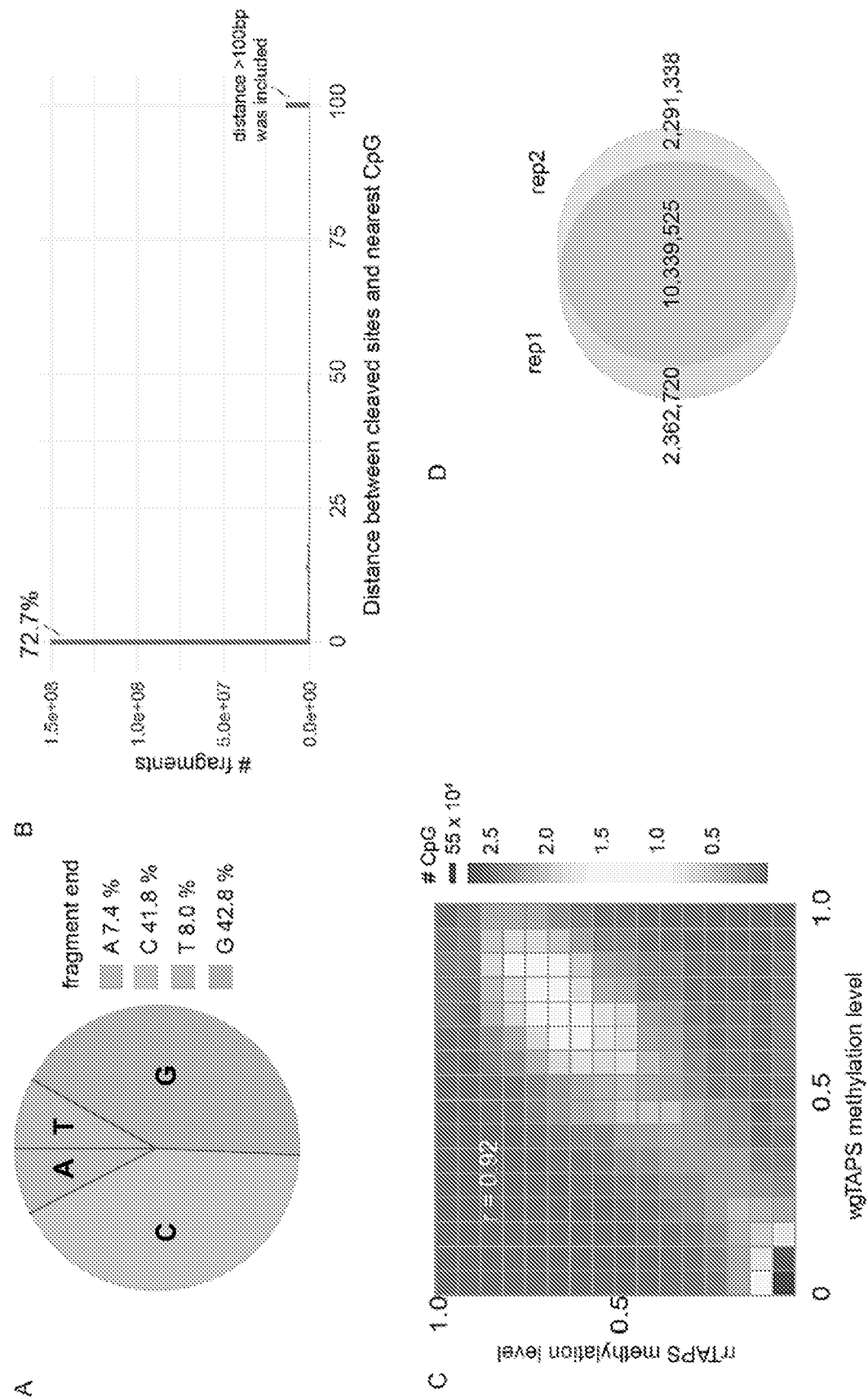


Fig. 31

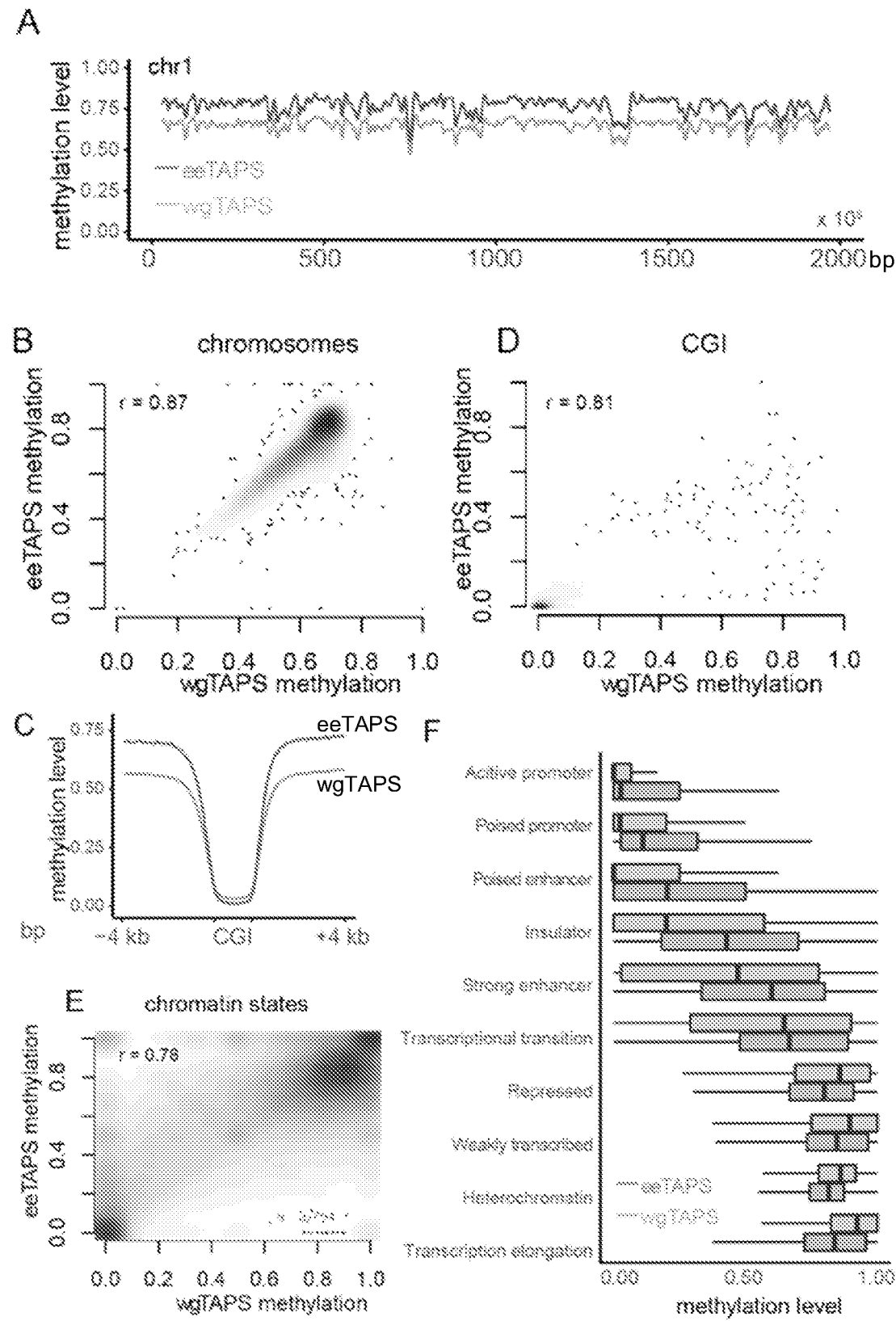


Fig. 32

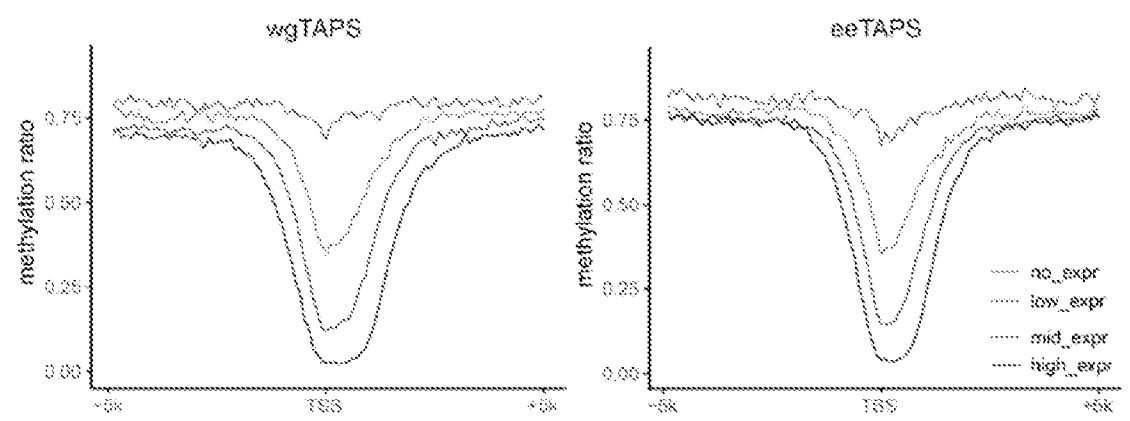
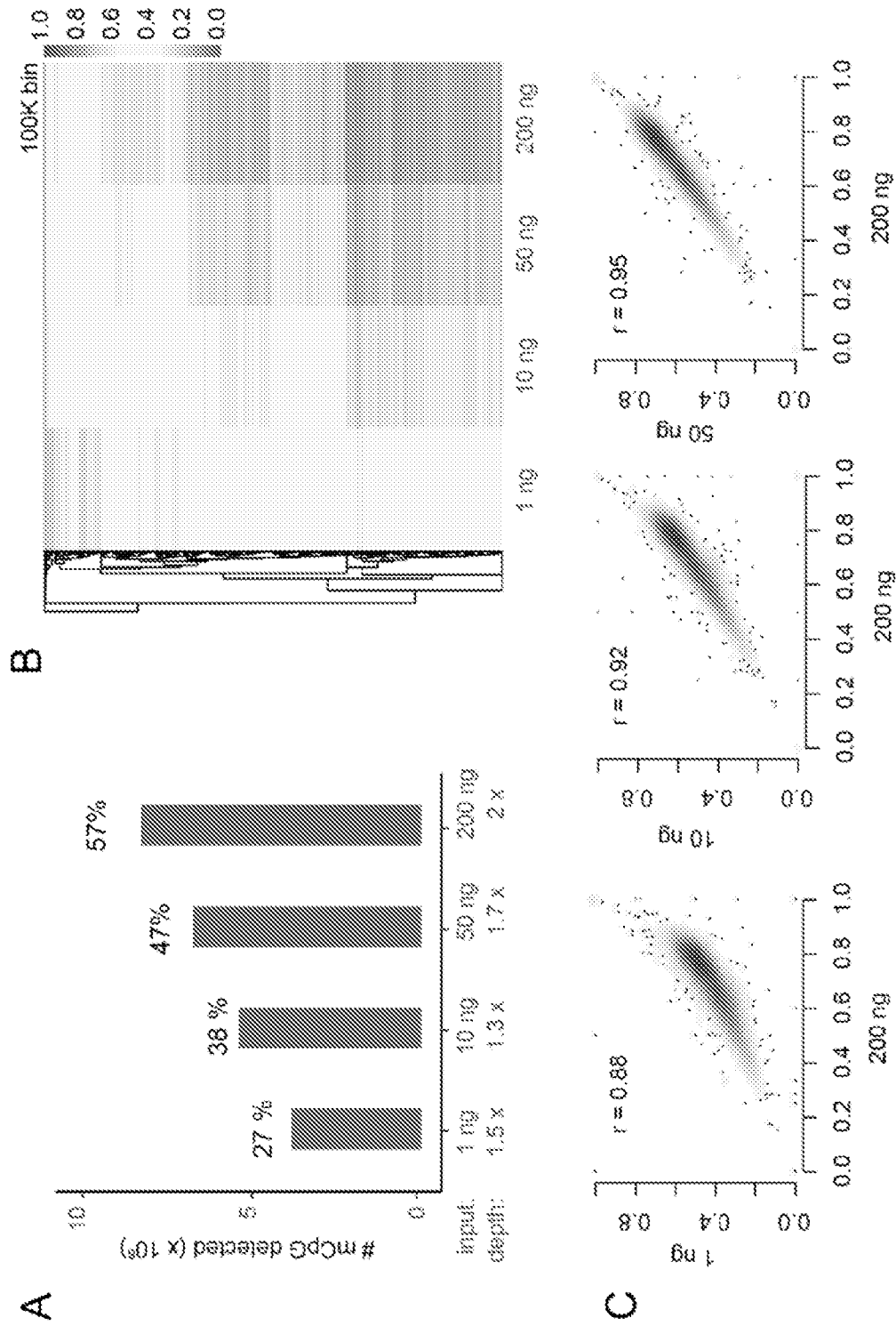


Fig. 33



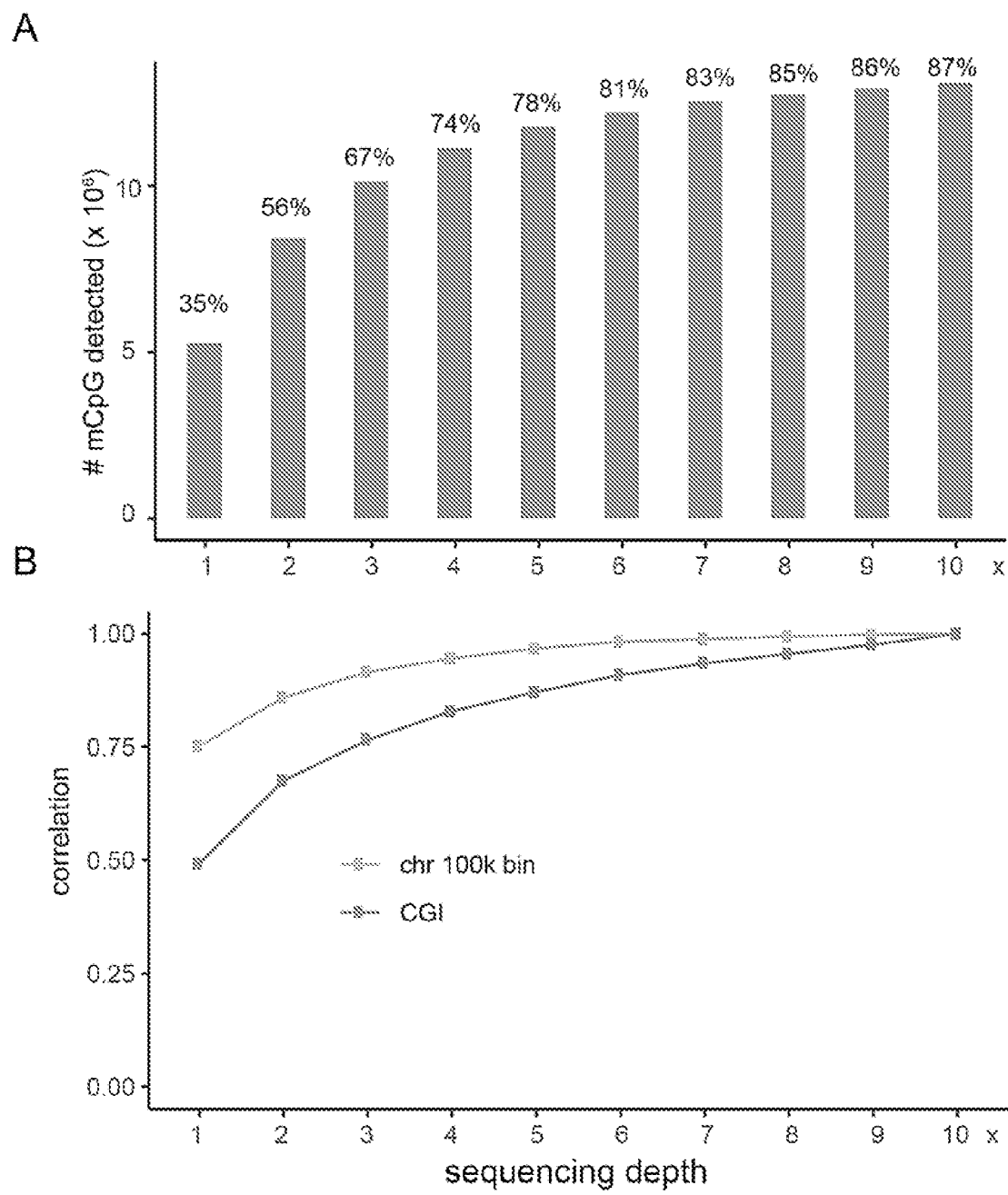


Fig. 35