

1/33

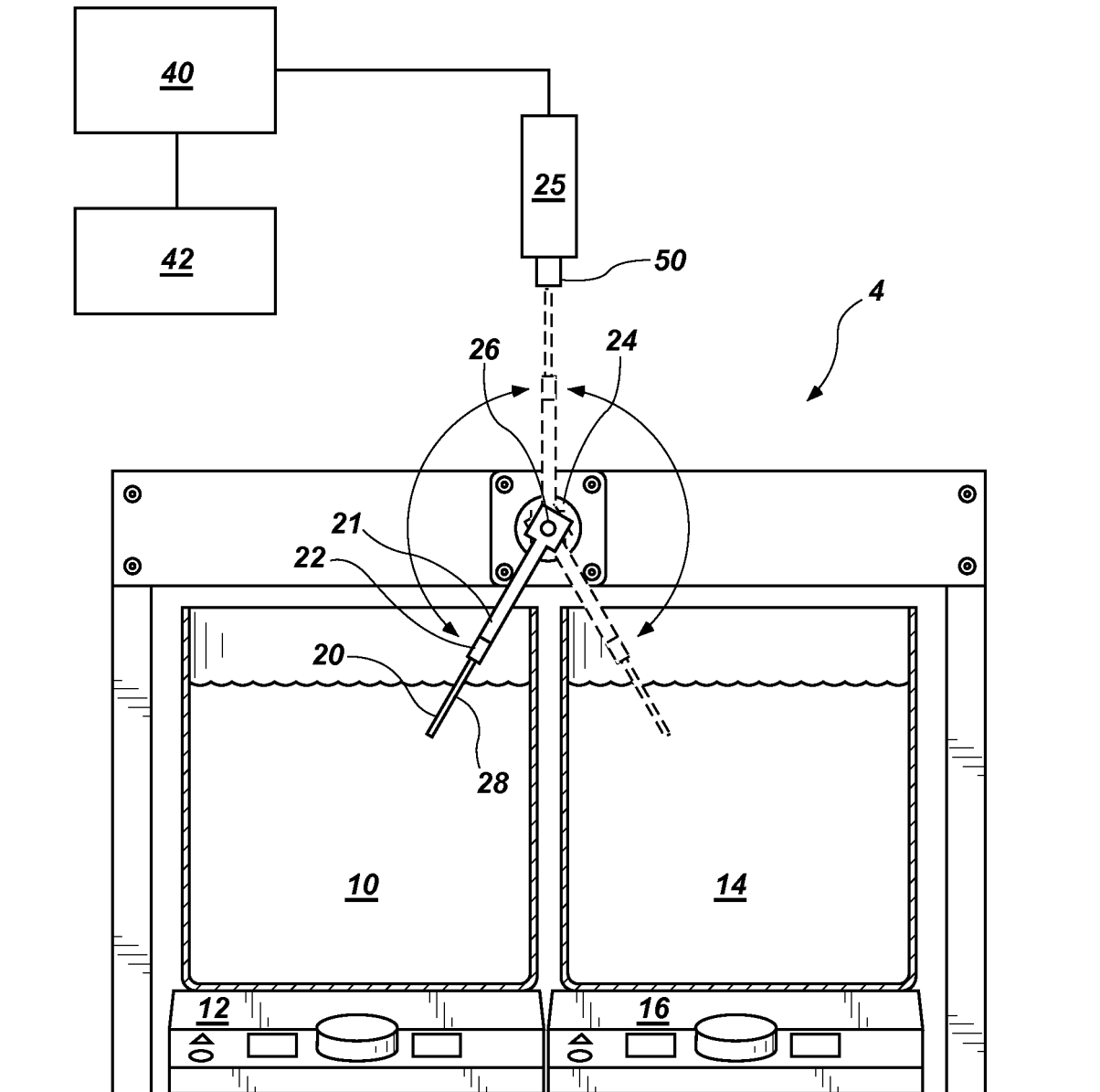


FIG. 1a

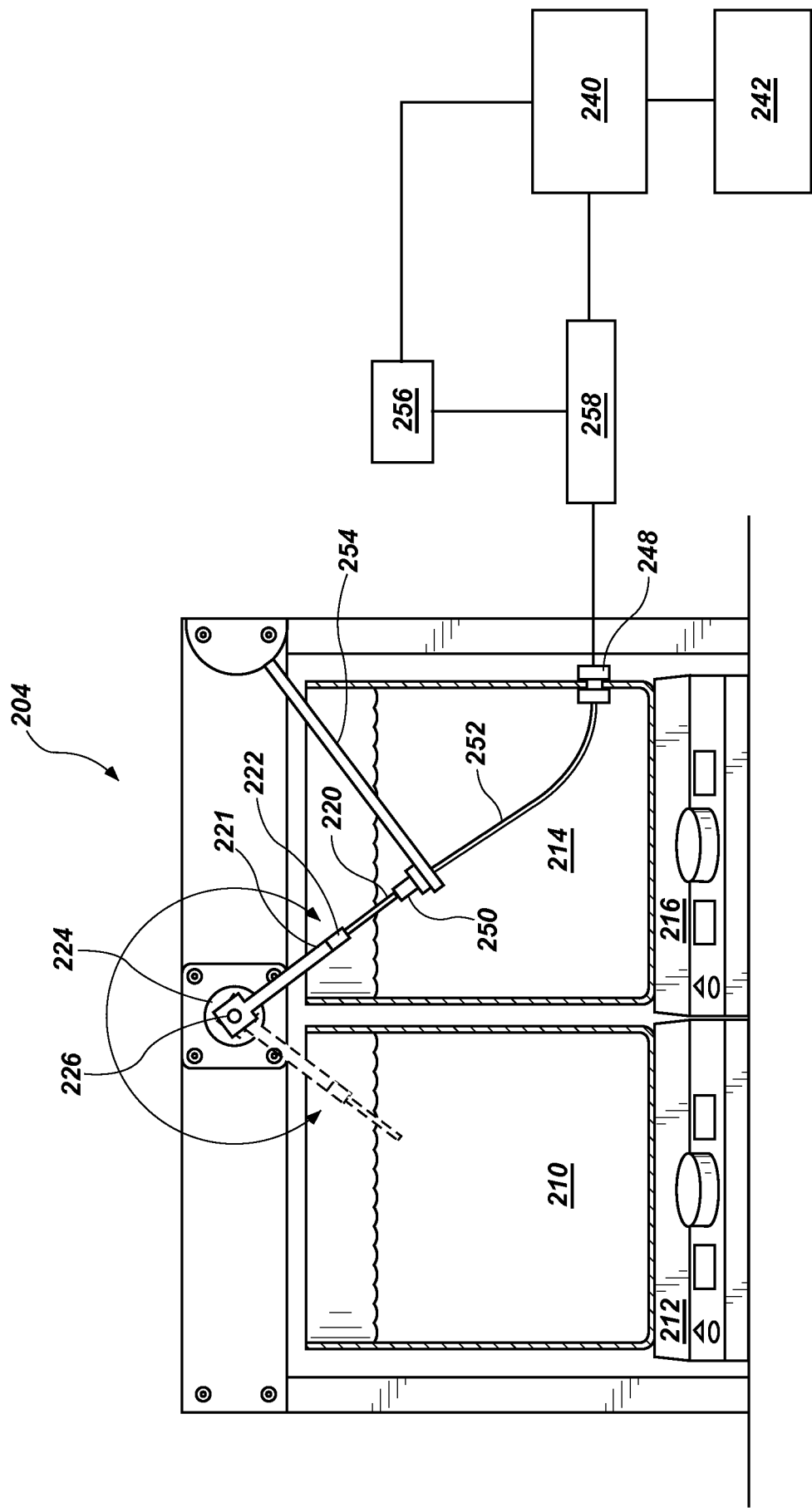


FIG. 1b

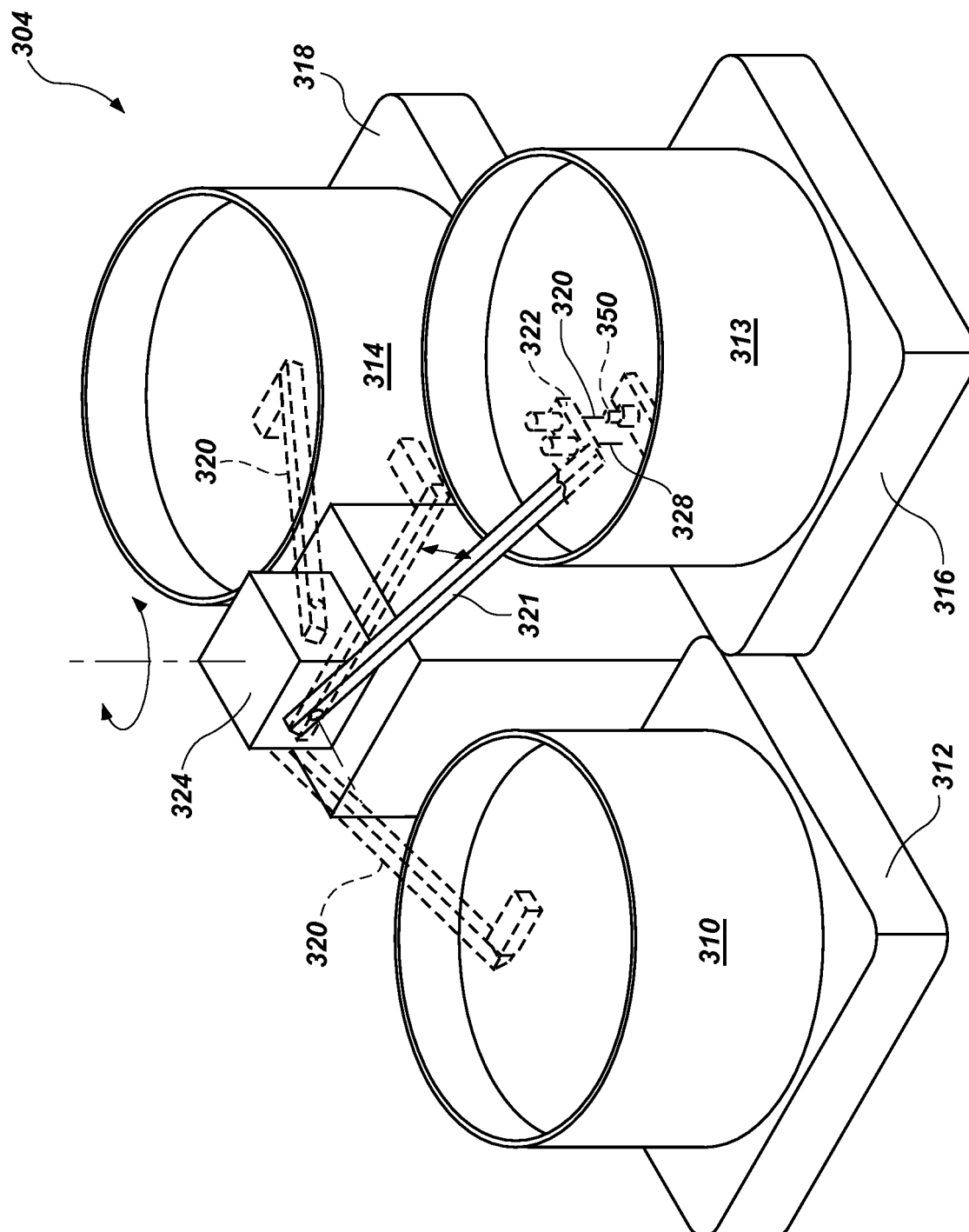


FIG. 1c

4/33

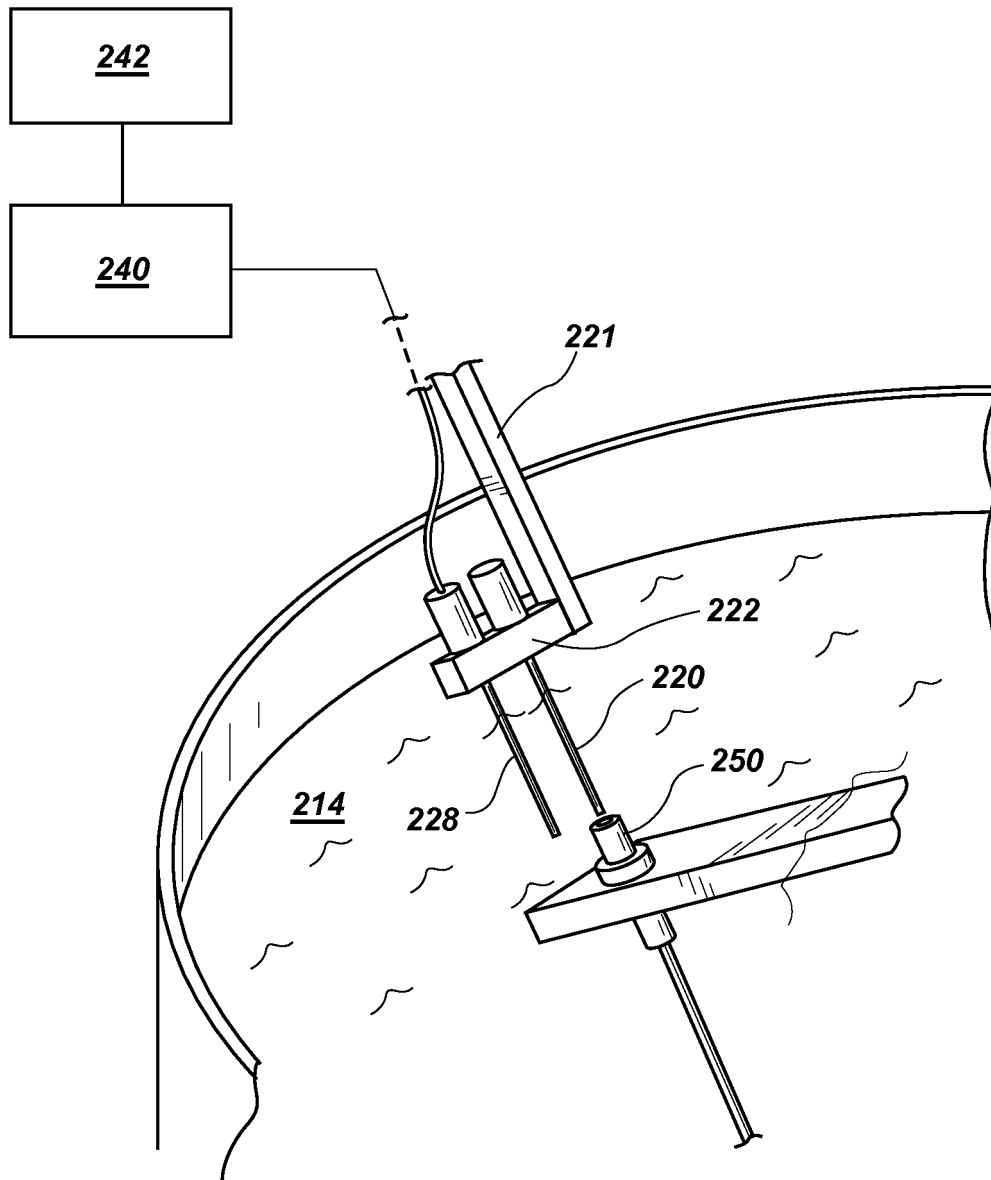


FIG. 1d

5/33

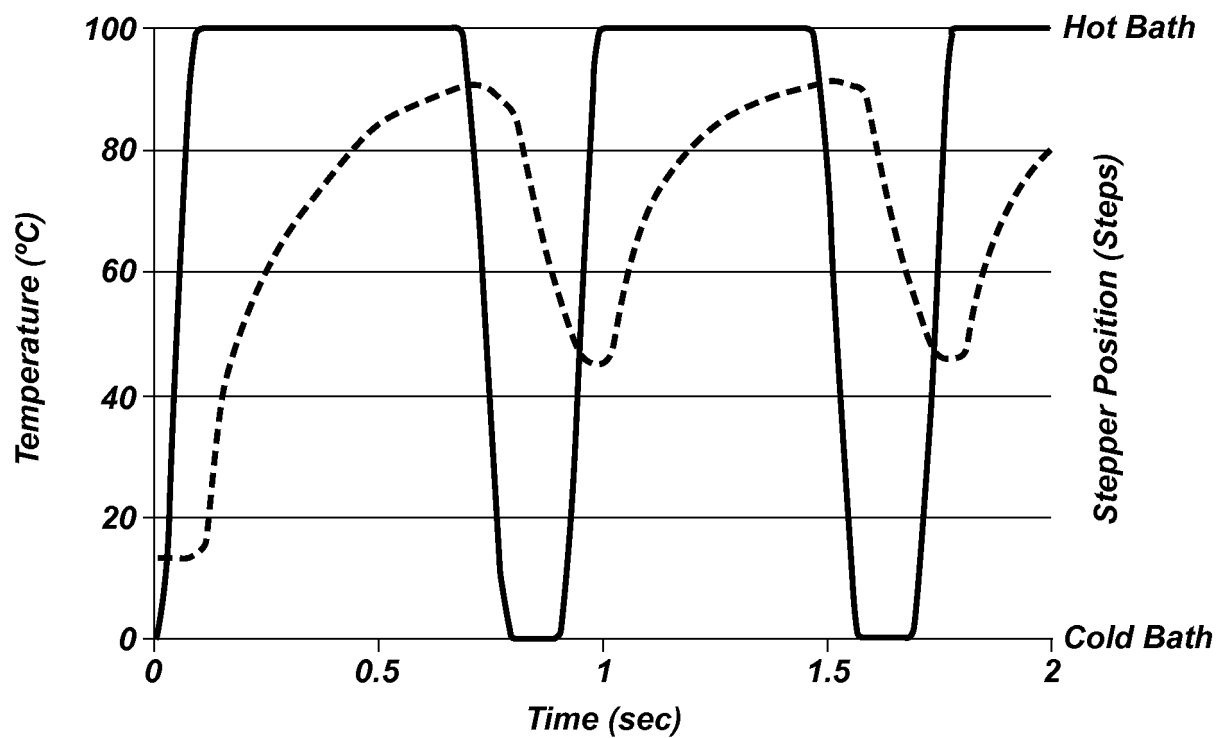


FIG. 2a

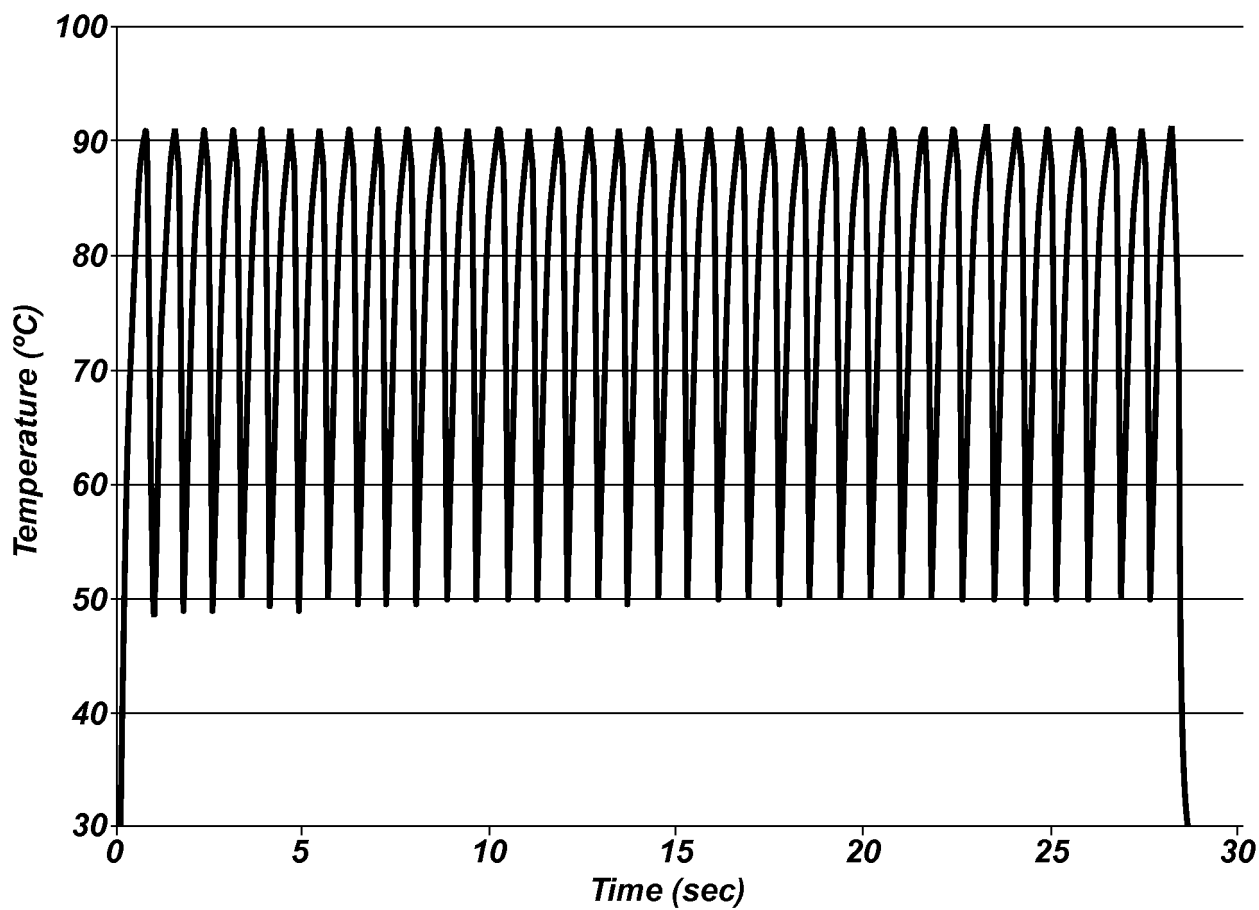
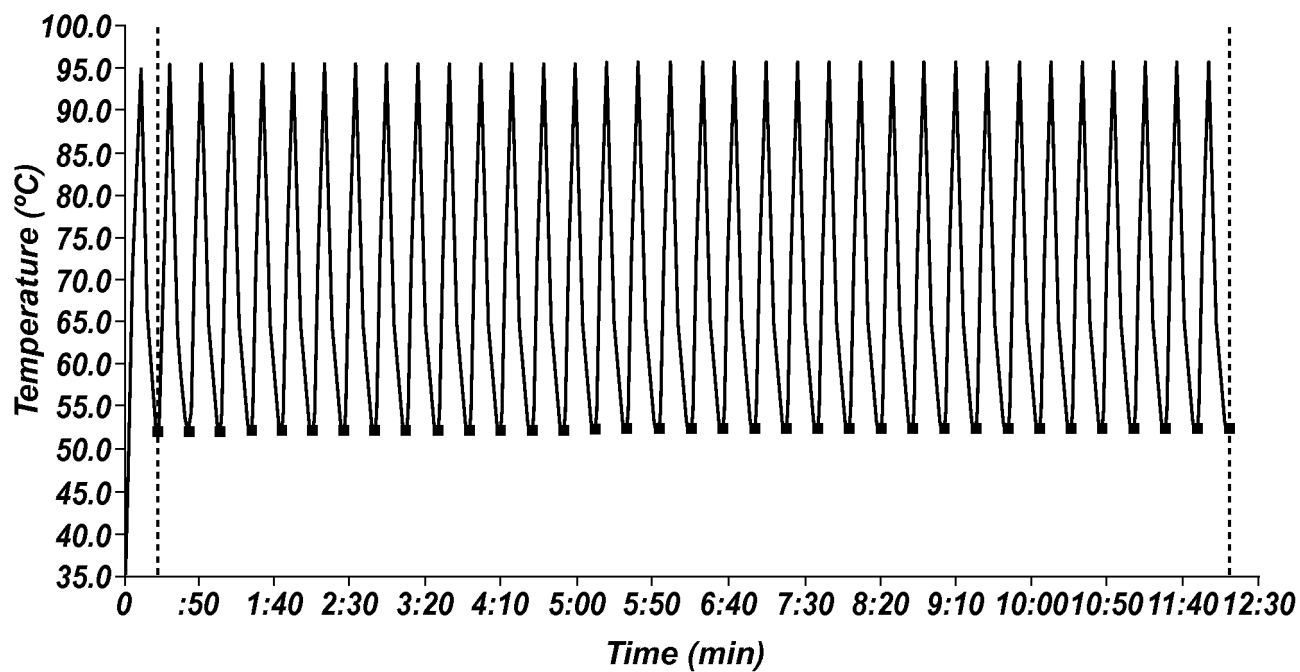
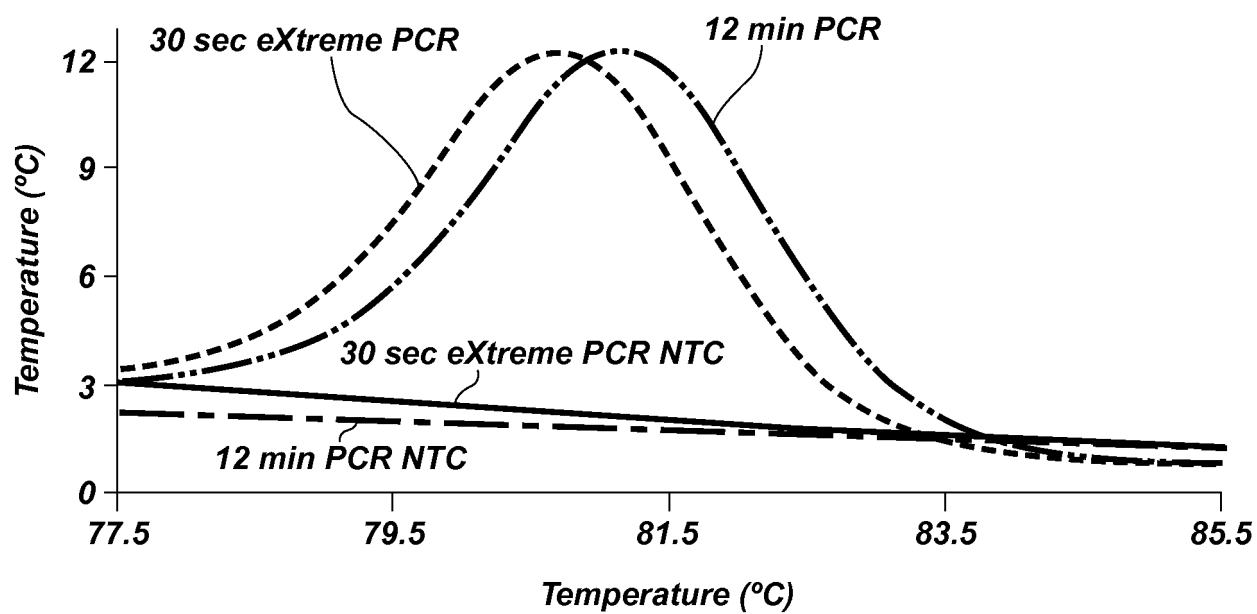
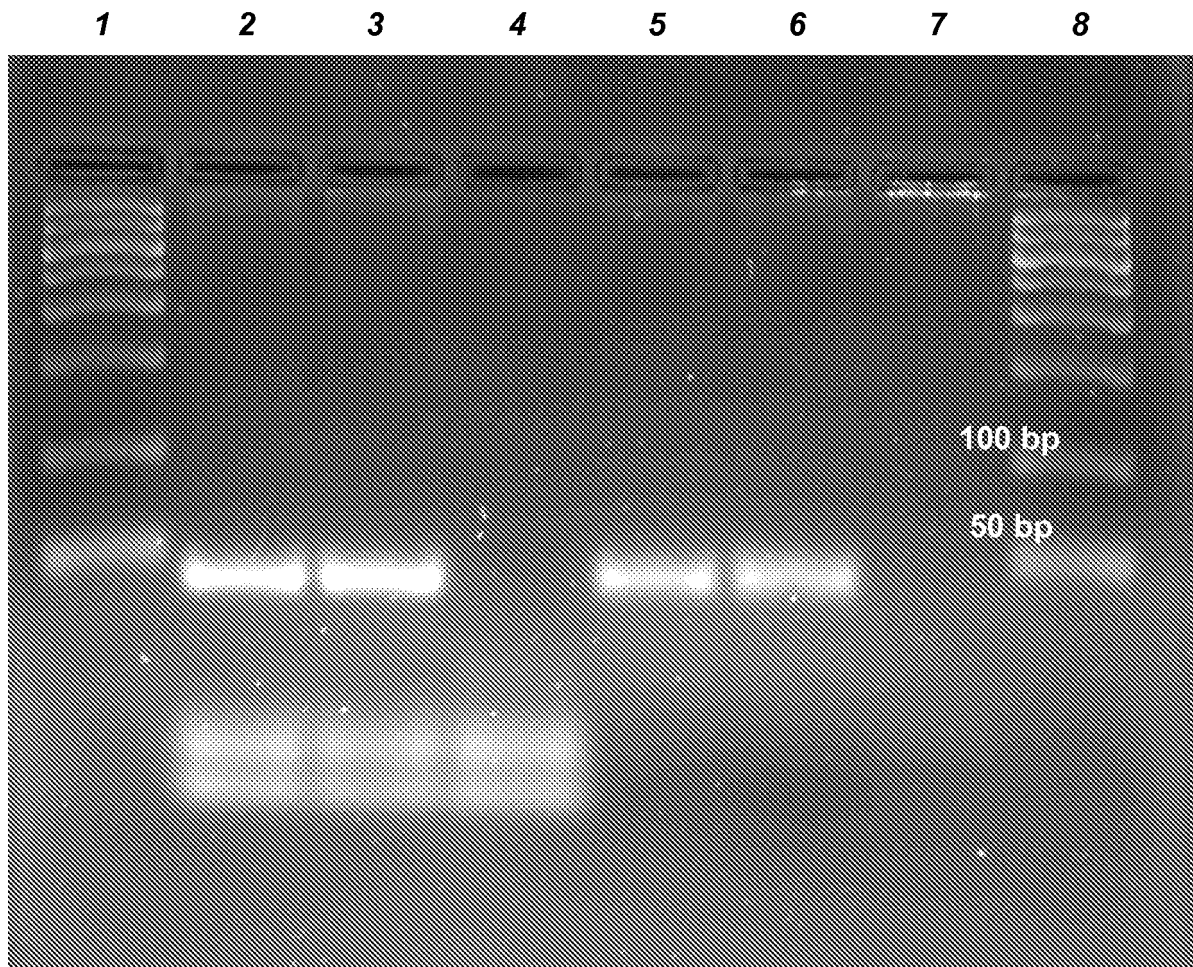


FIG. 2b

6/33

**FIG. 2c****FIG. 3a**

7/33

**FIG. 3b**

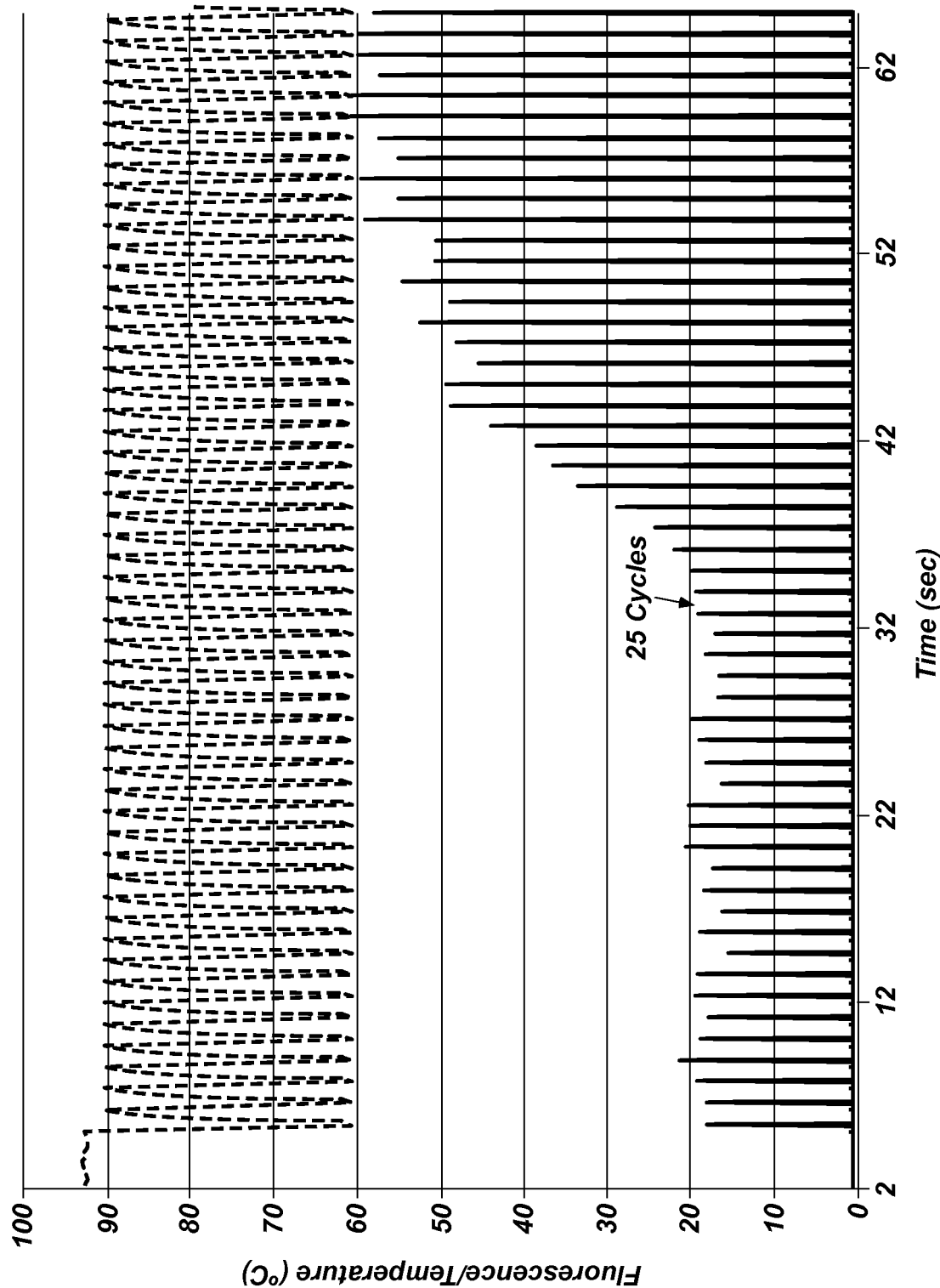
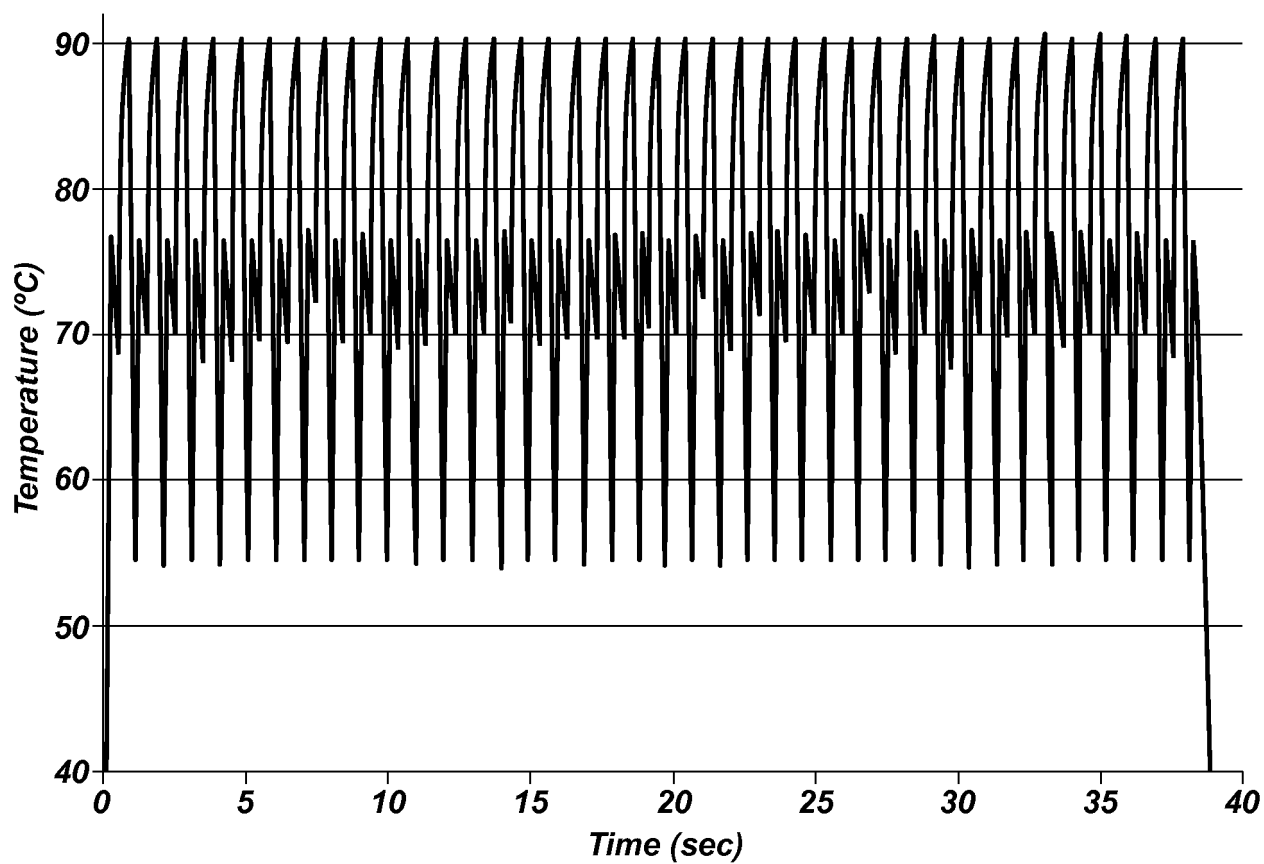
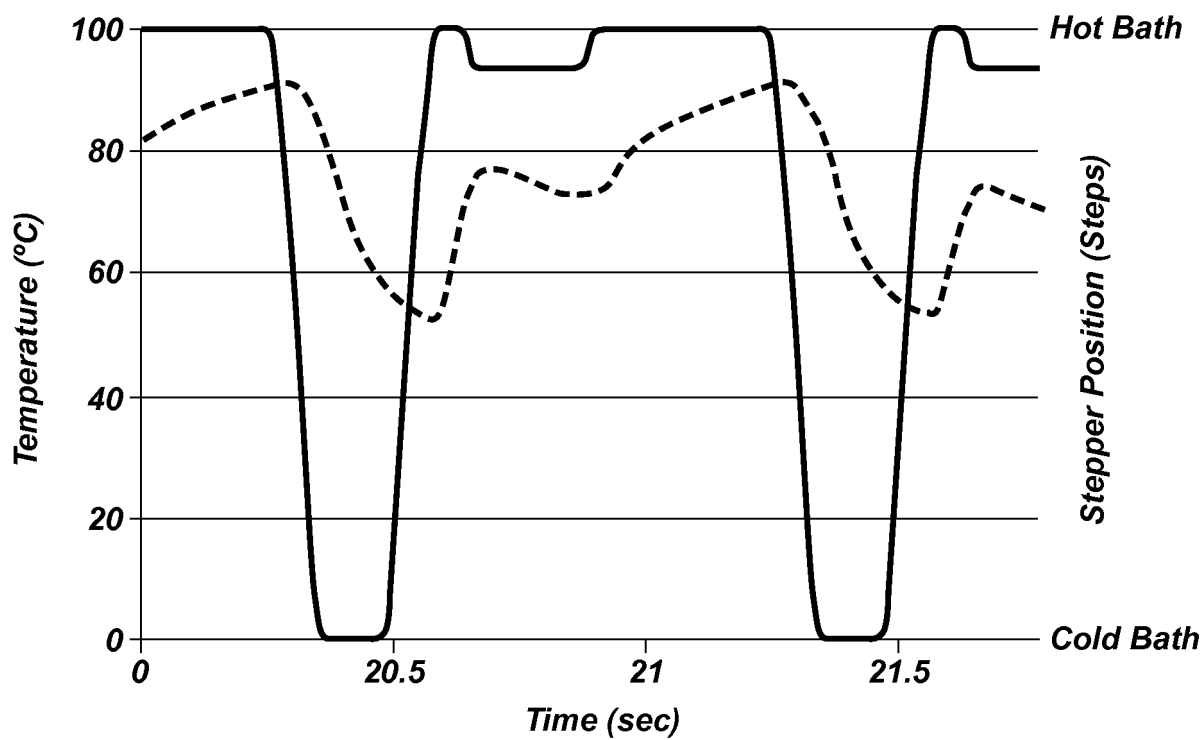
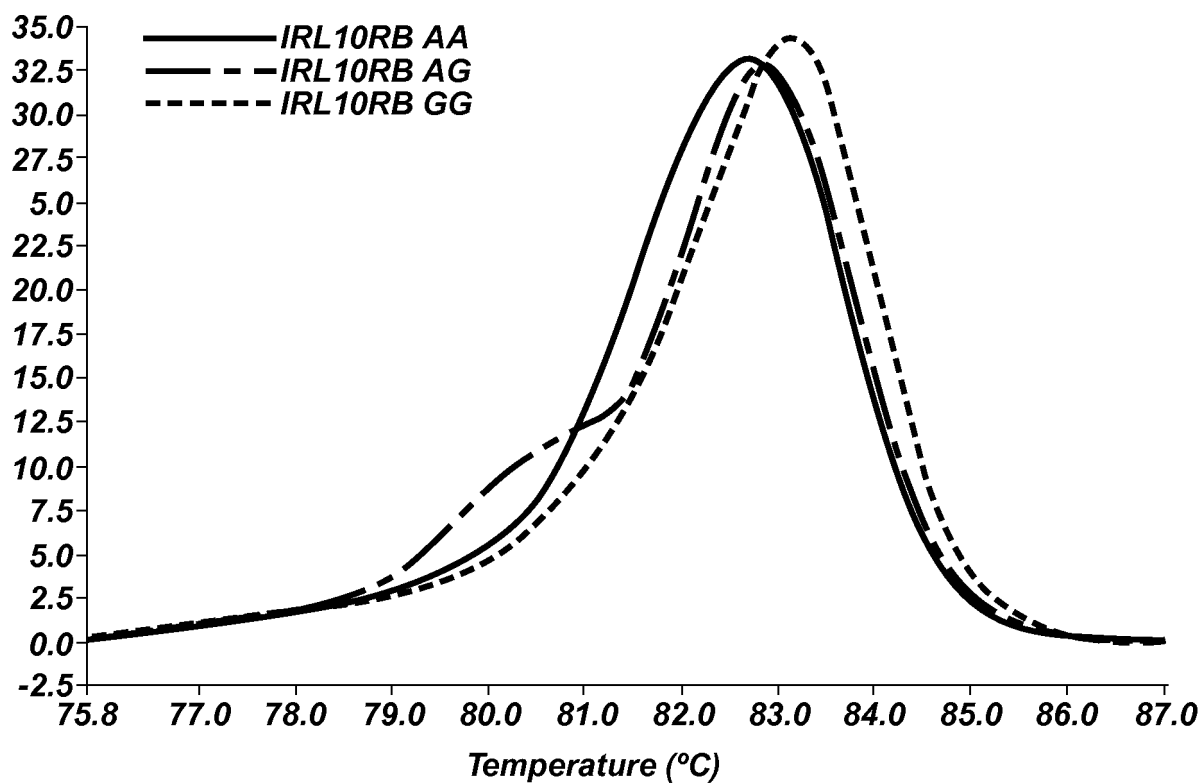


FIG. 3c

9/33

**FIG. 4a****FIG. 4b**

10/33

**FIG. 4c**

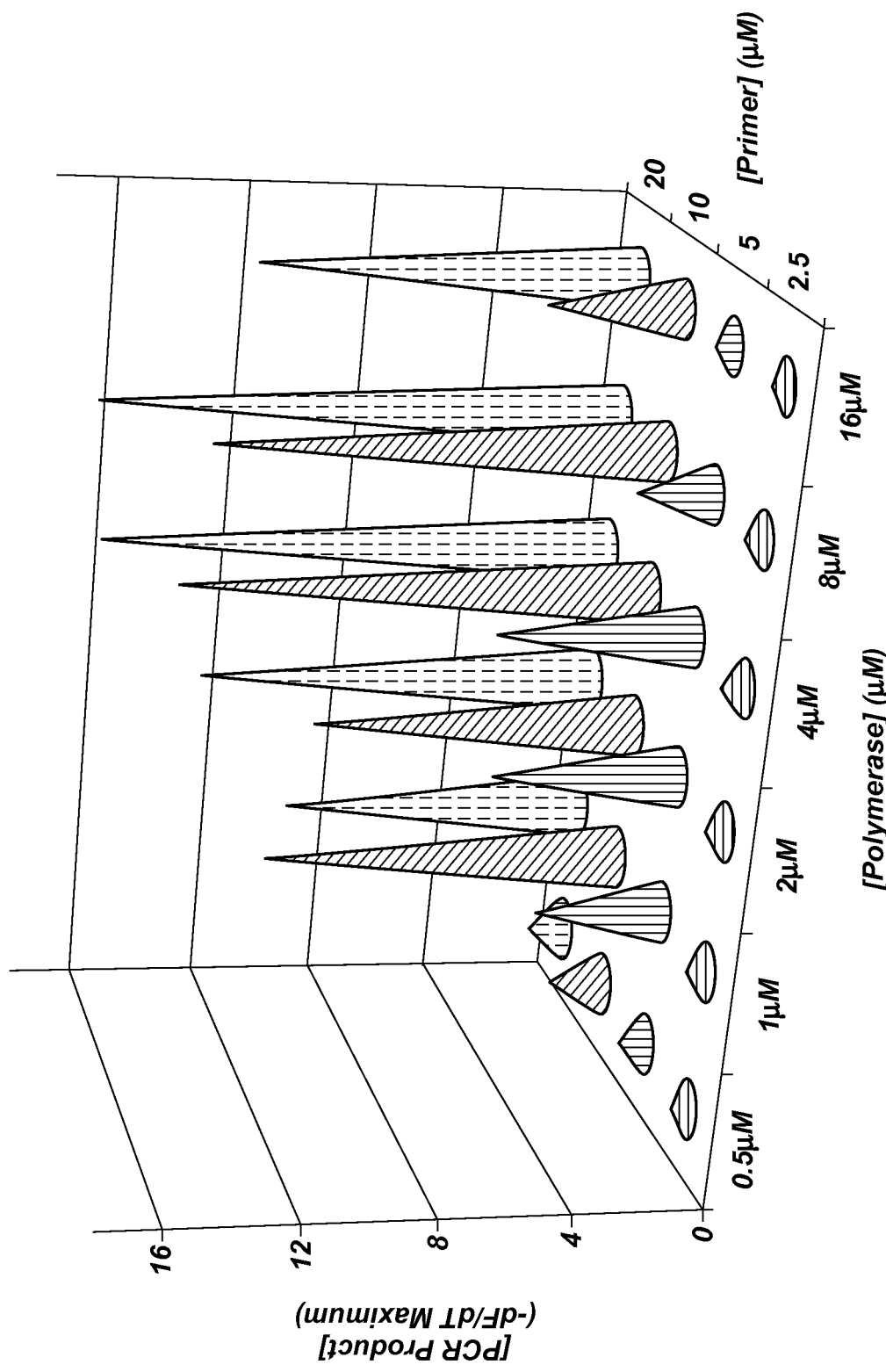
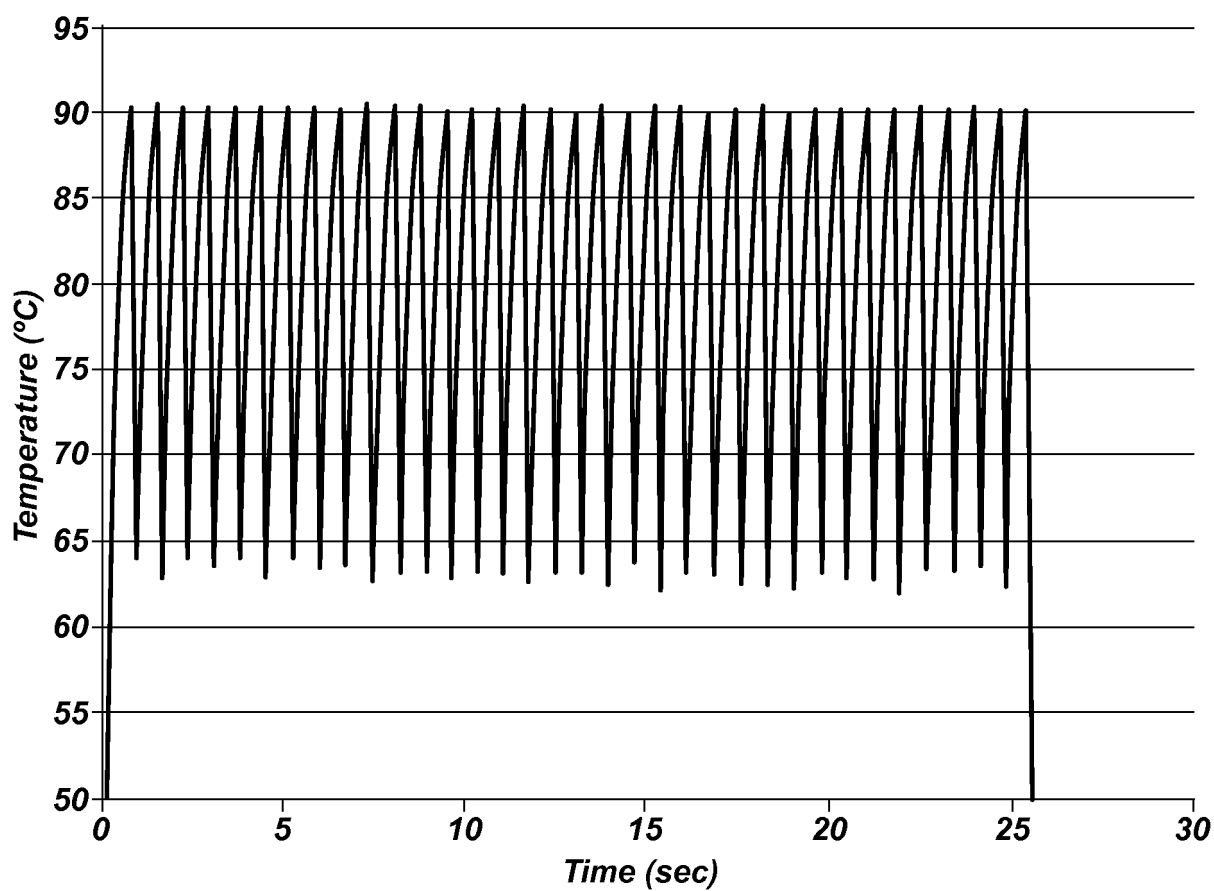
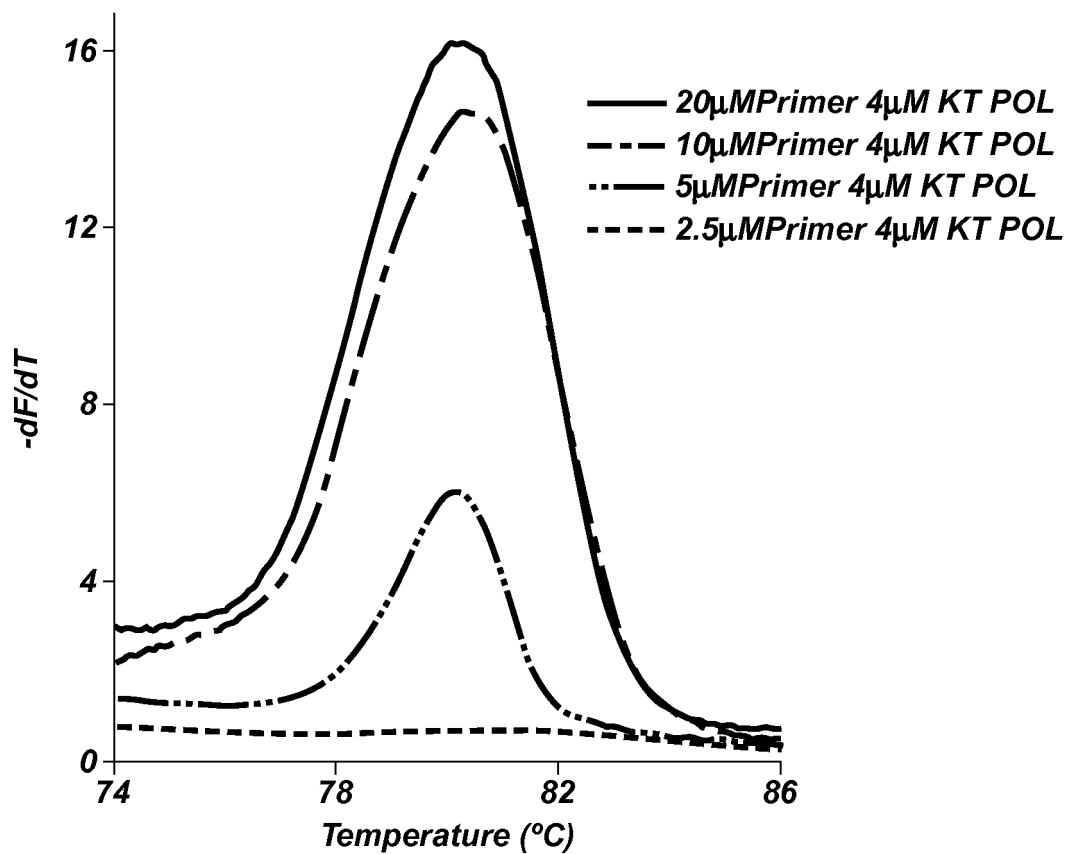
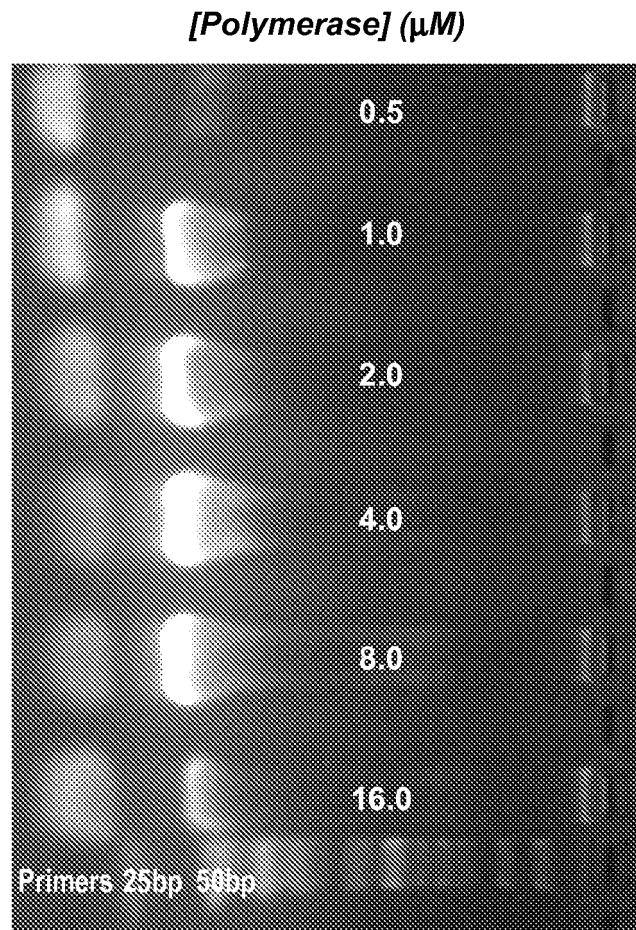


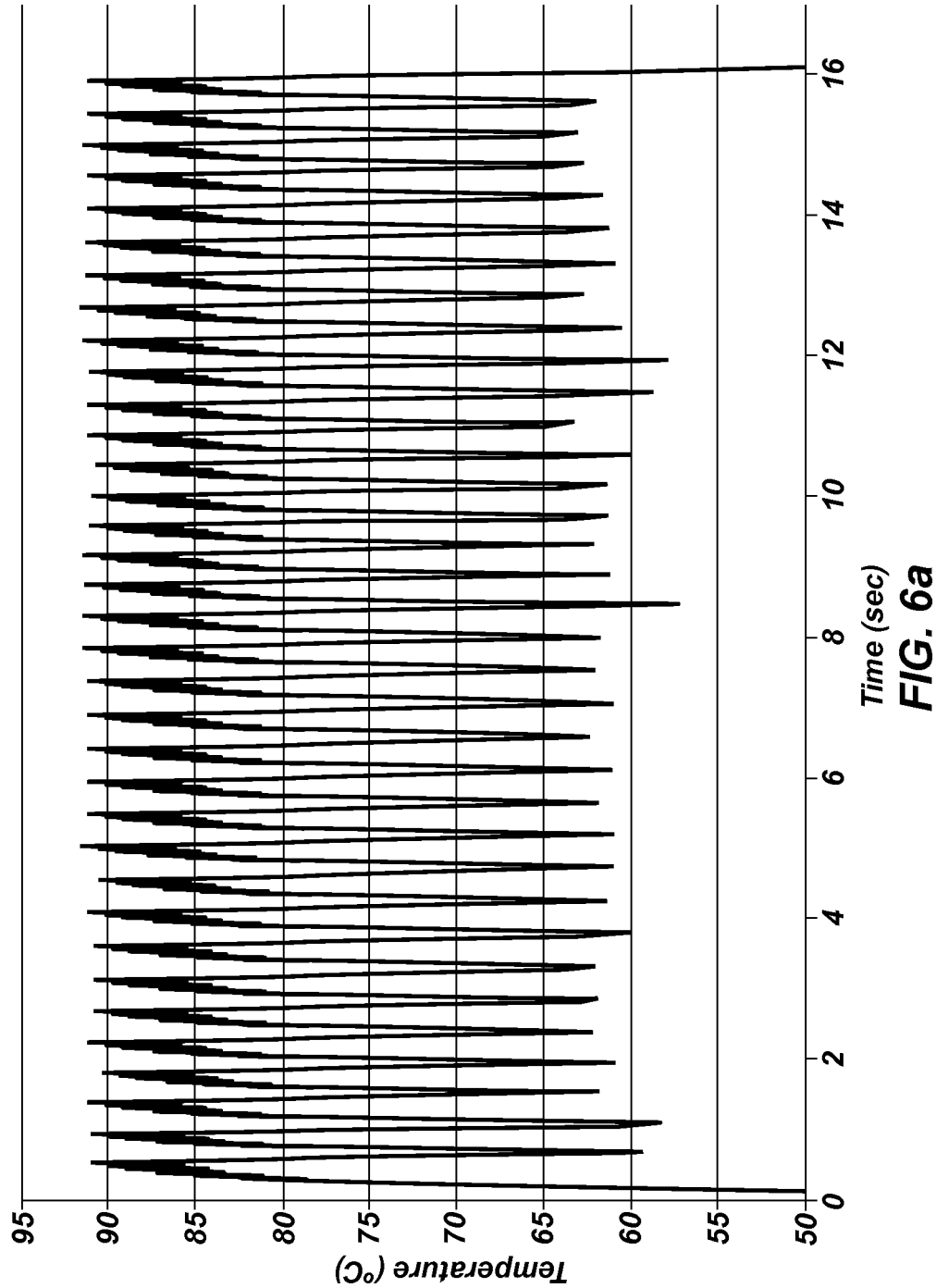
FIG. 5a

12/33

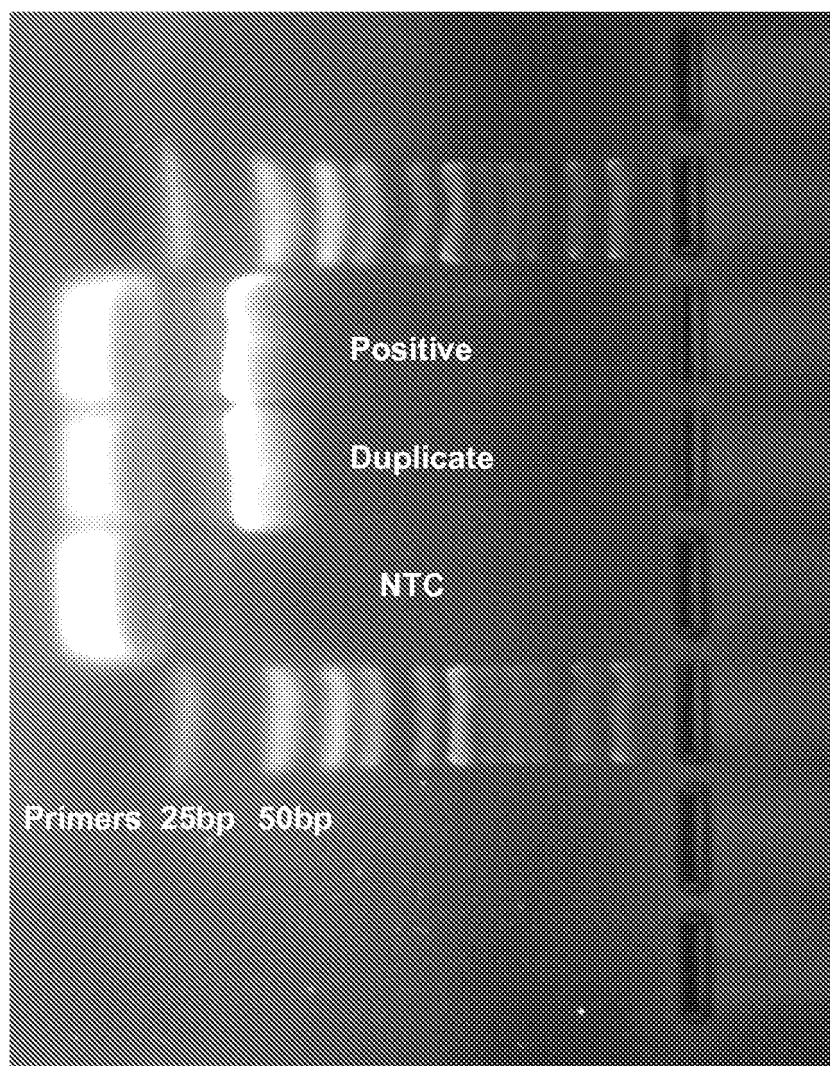
**FIG. 5b****FIG. 5c**

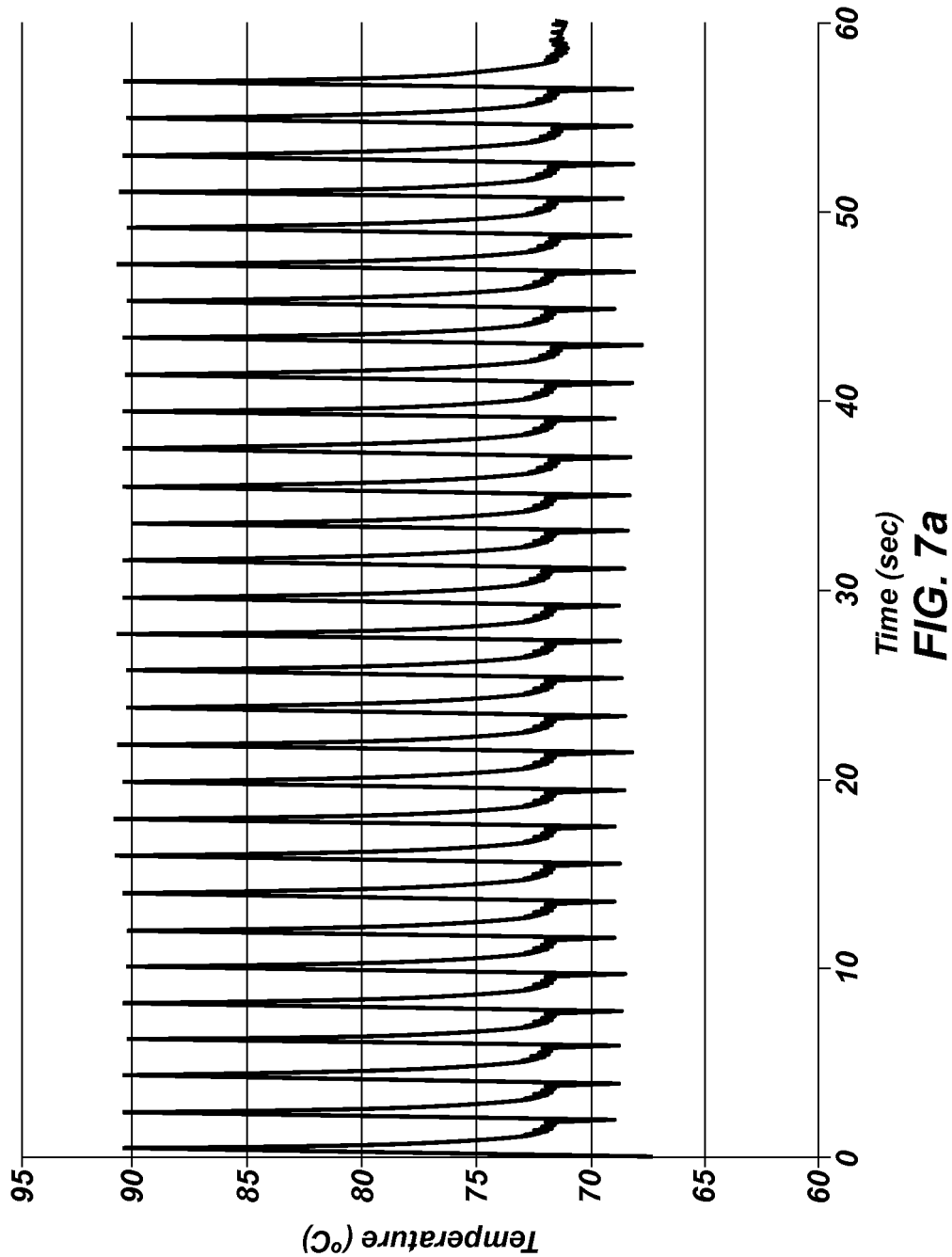
13/33

**FIG. 5d**



15/33

**FIG. 6b**



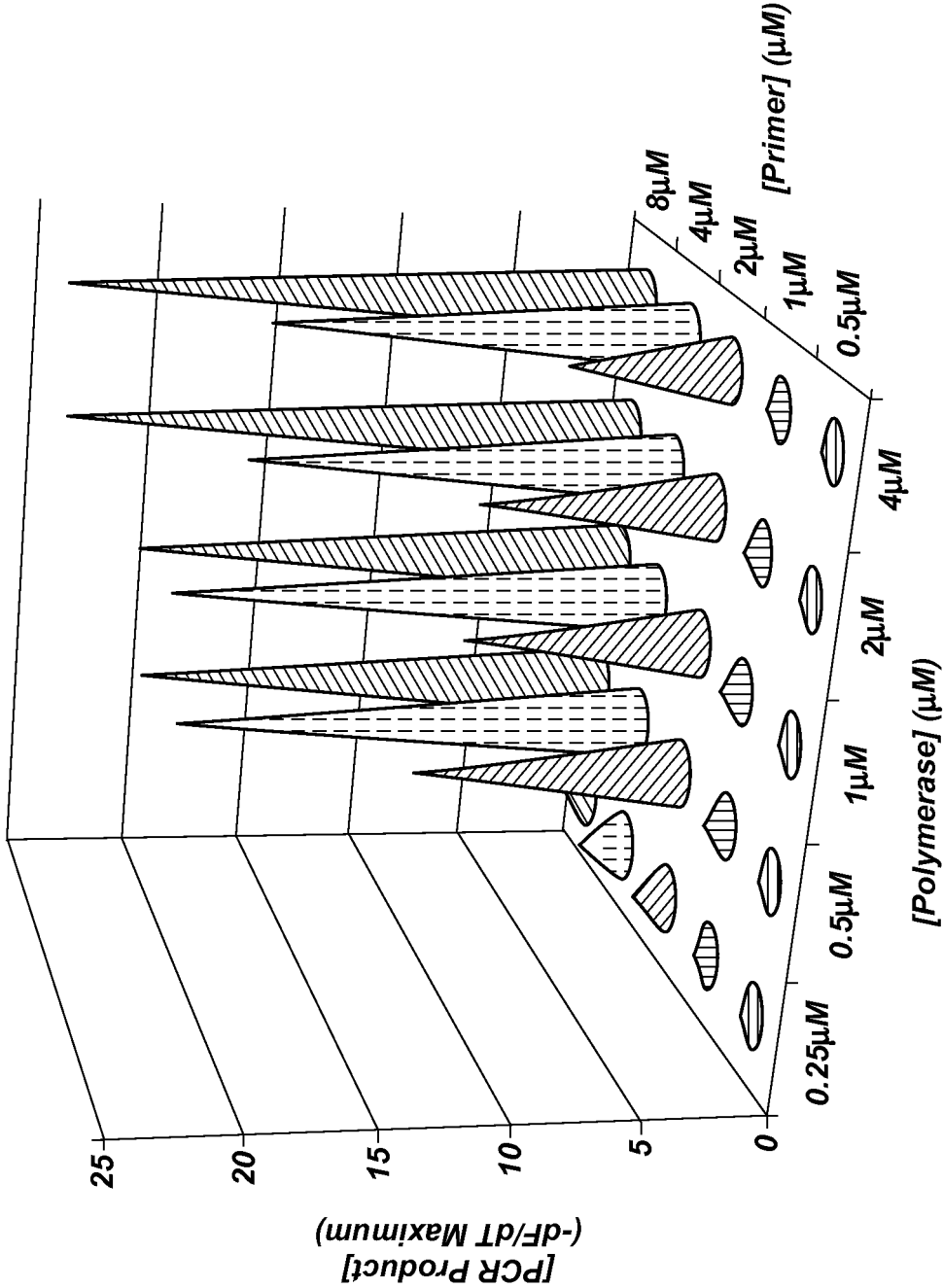
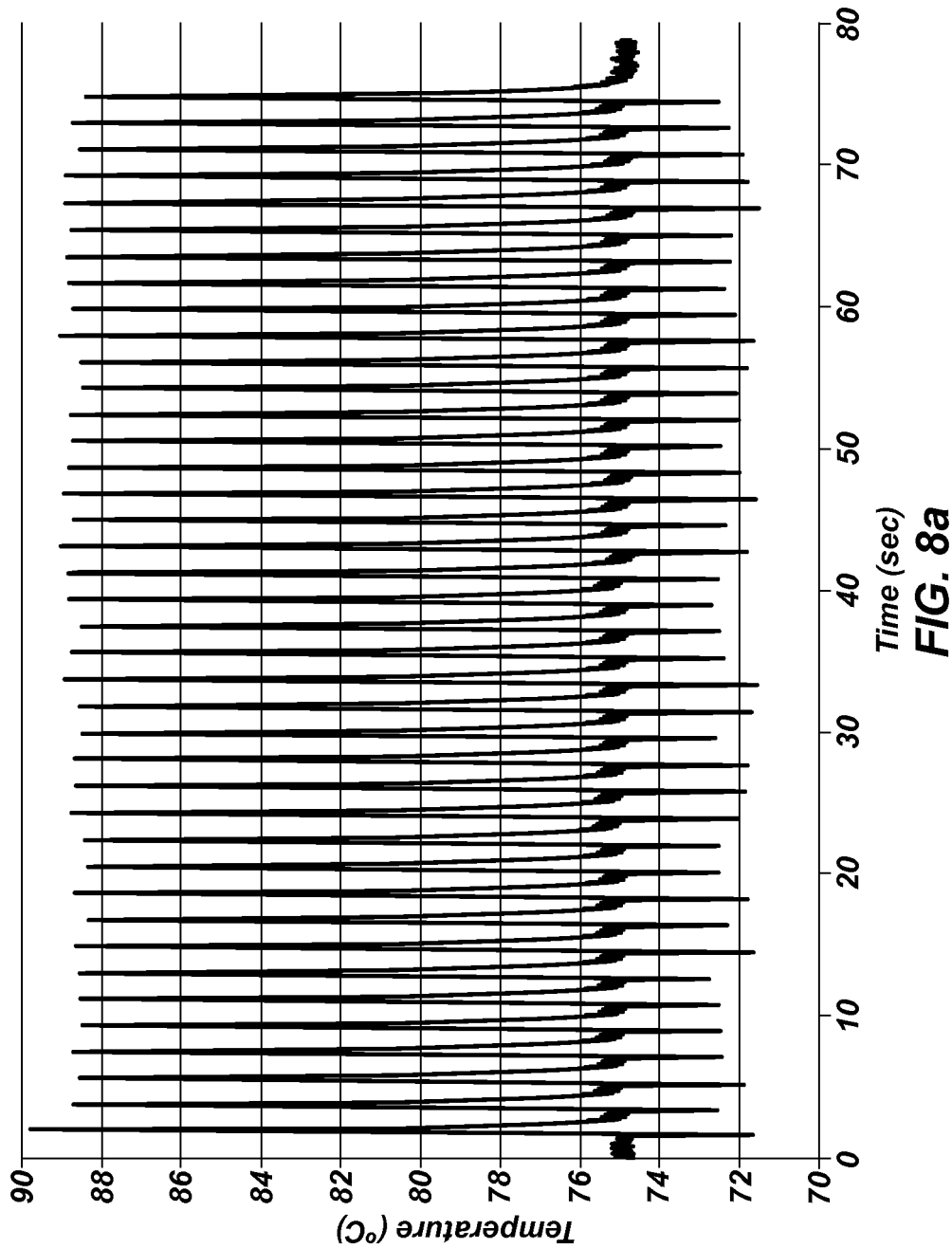


FIG. 7b



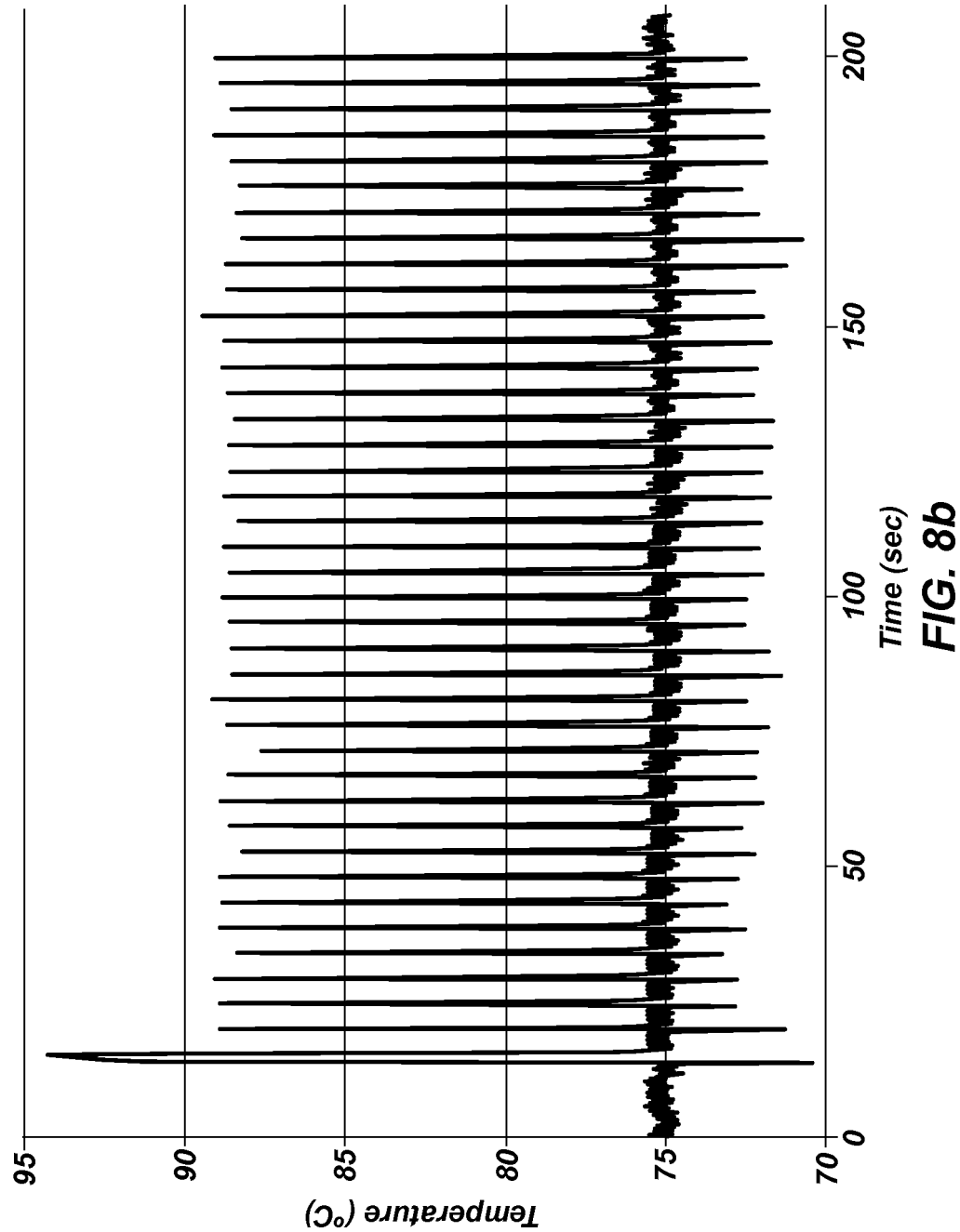


FIG. 8b

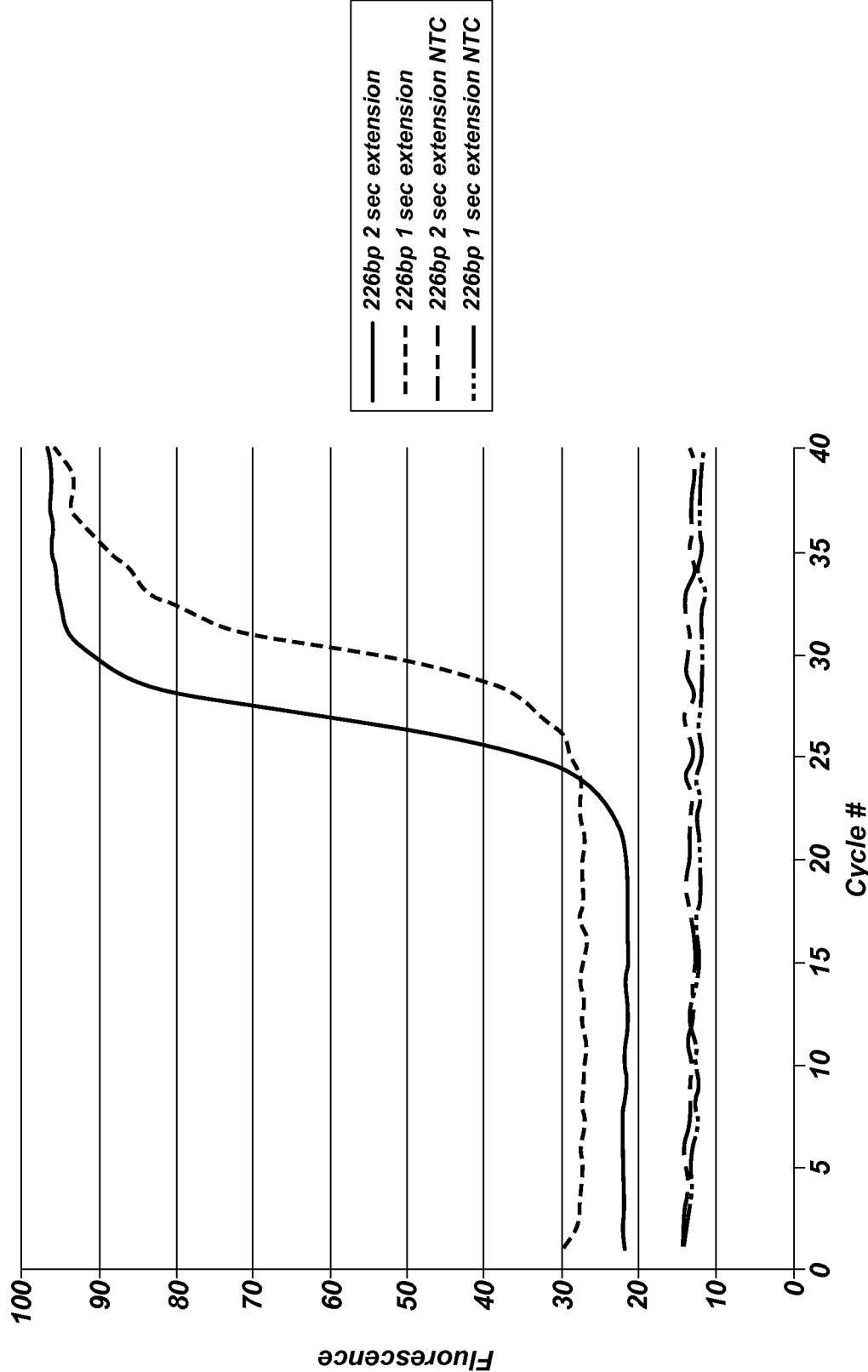


FIG. 8c

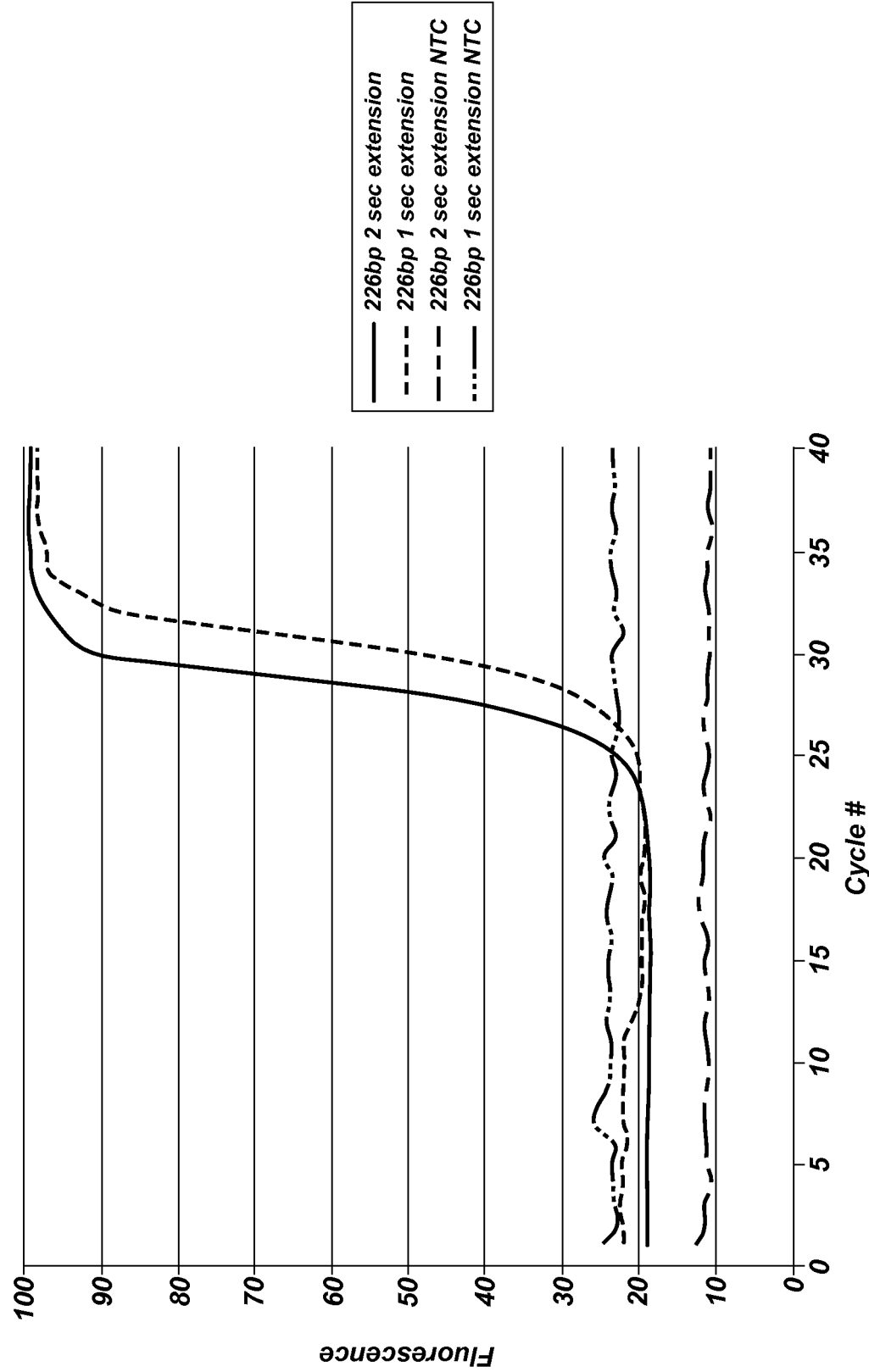


FIG. 8d

22/33

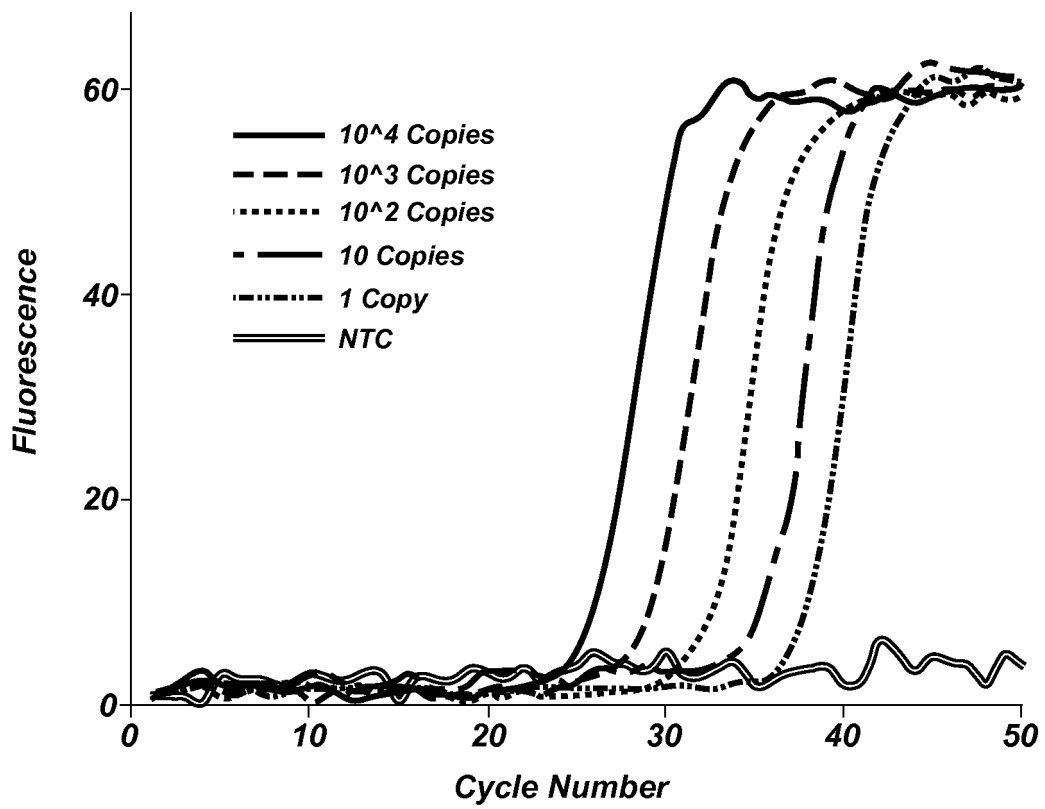


FIG. 9a

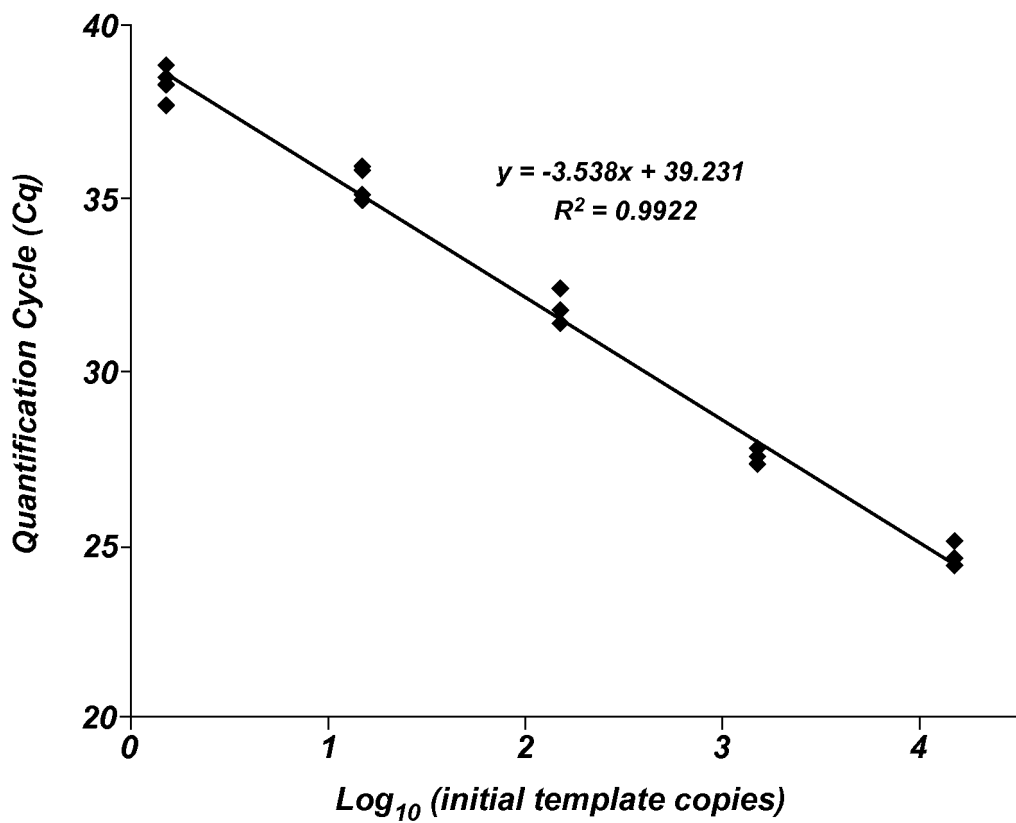


FIG. 9b

23/33

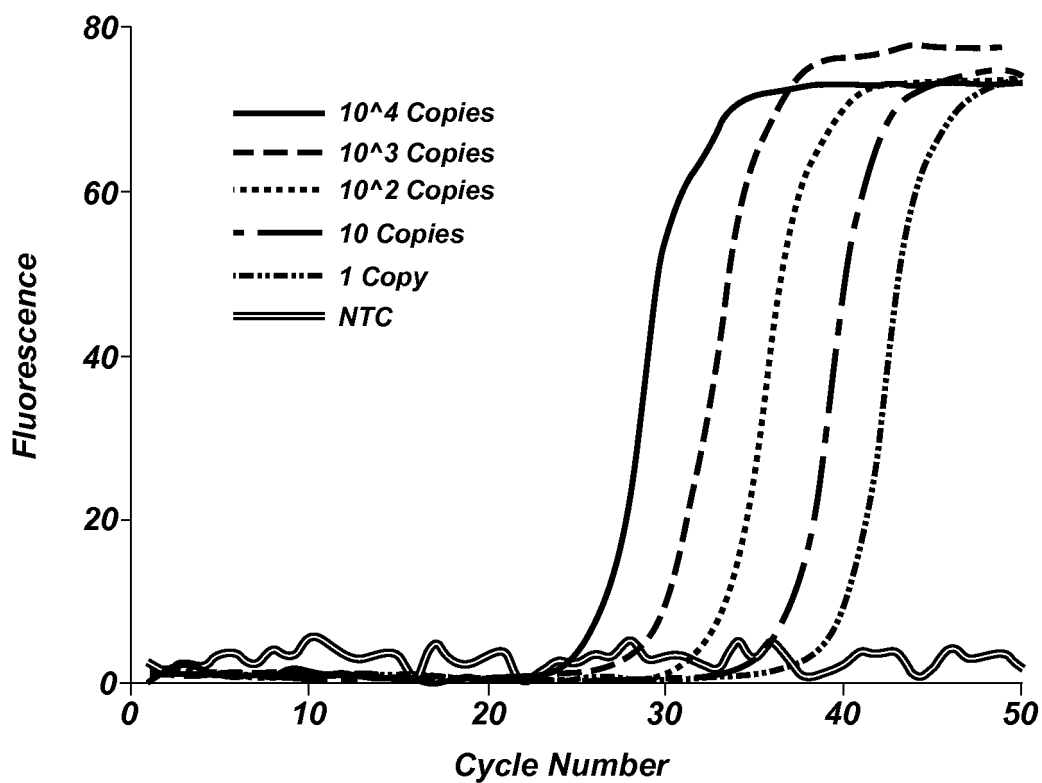


FIG. 9c

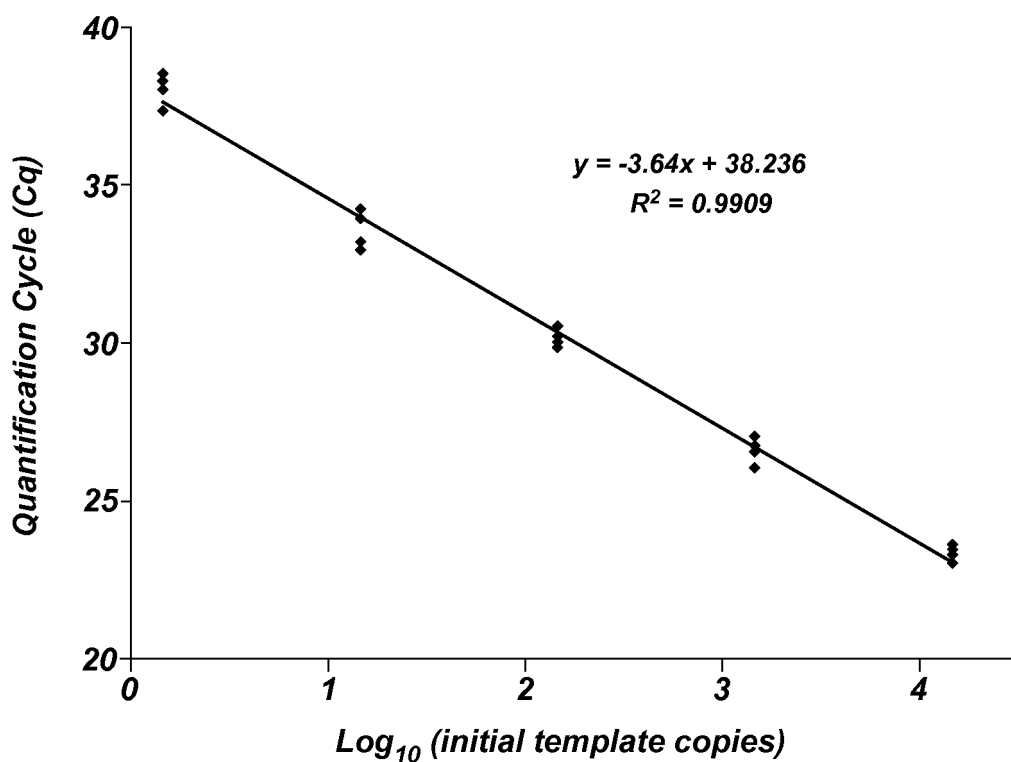
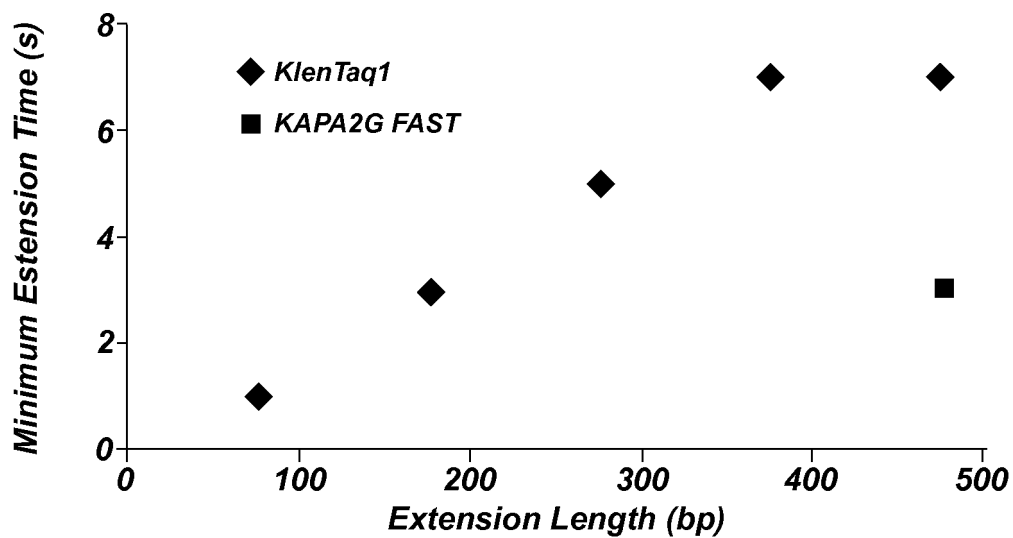
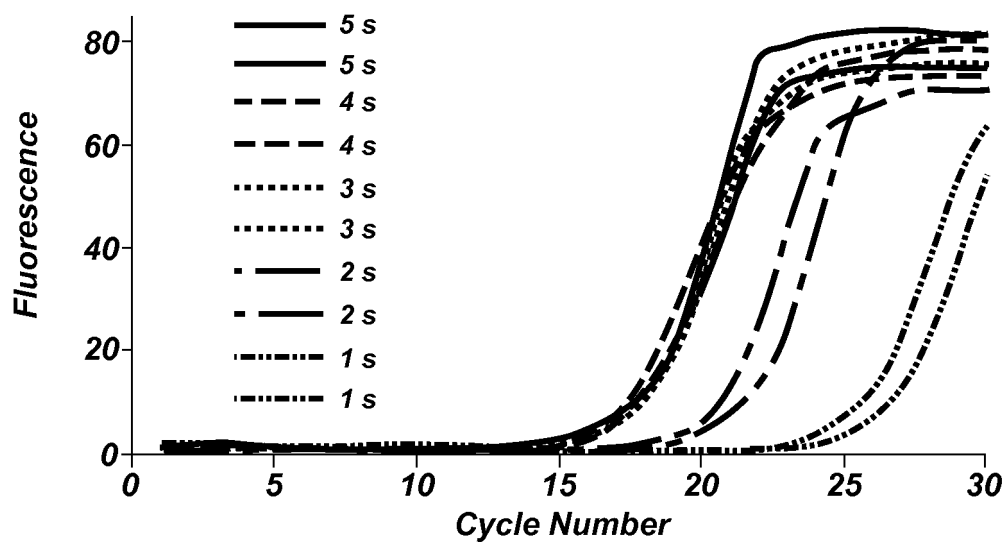
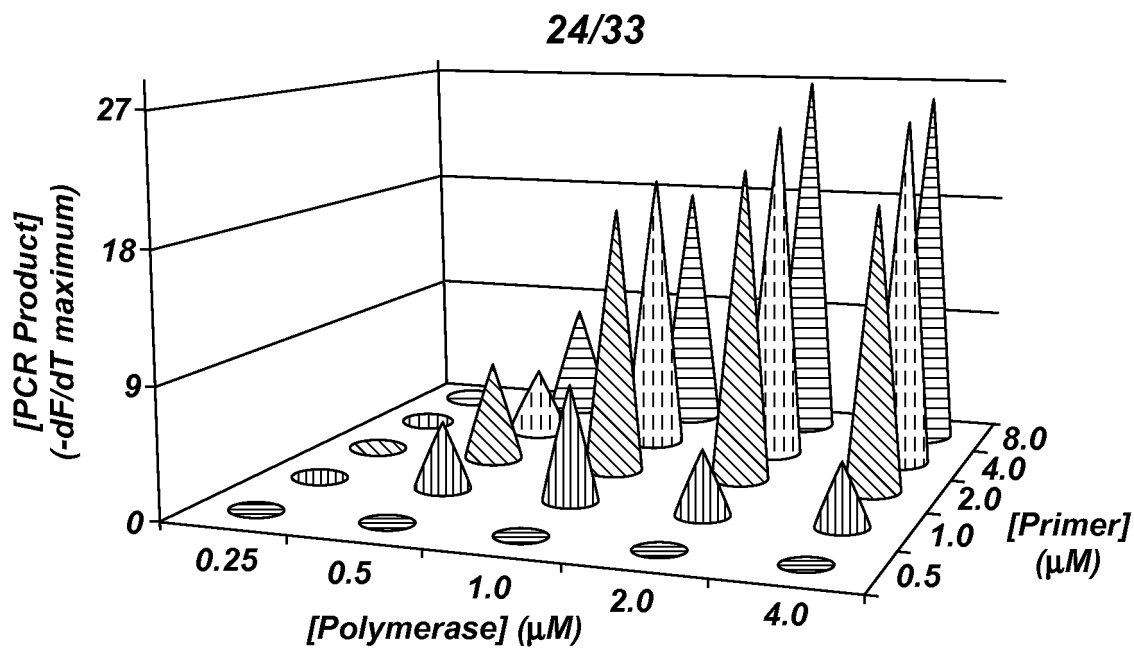


FIG. 9d



25/33

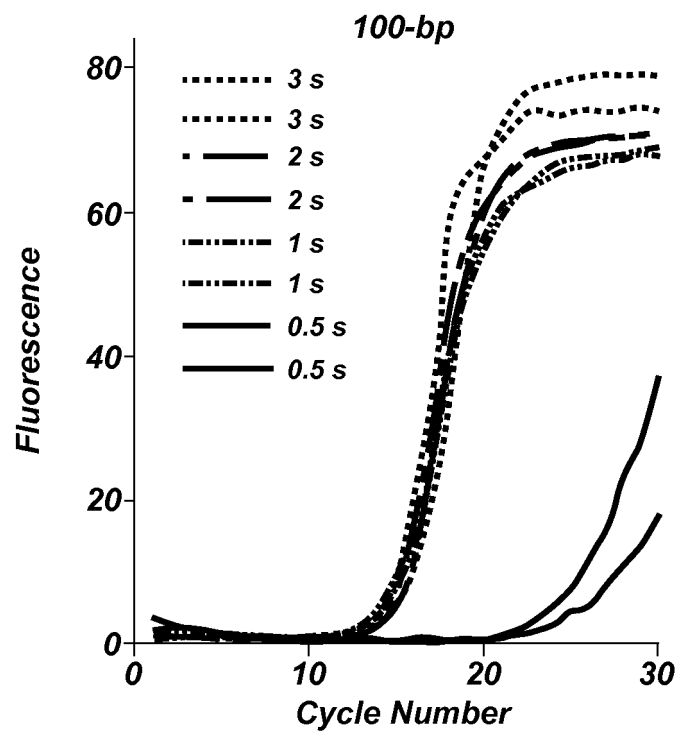


FIG. 11a

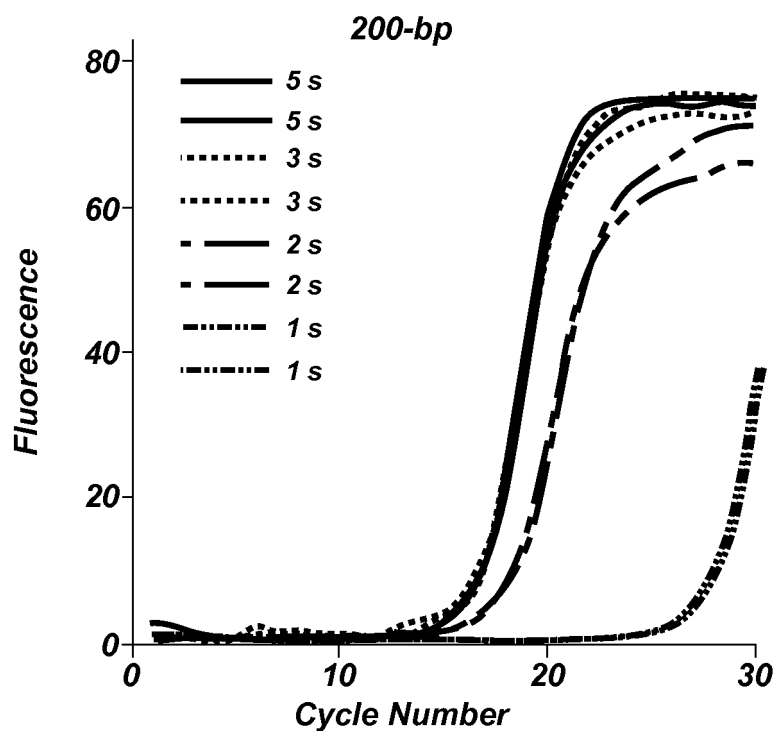


FIG. 11b

26/33

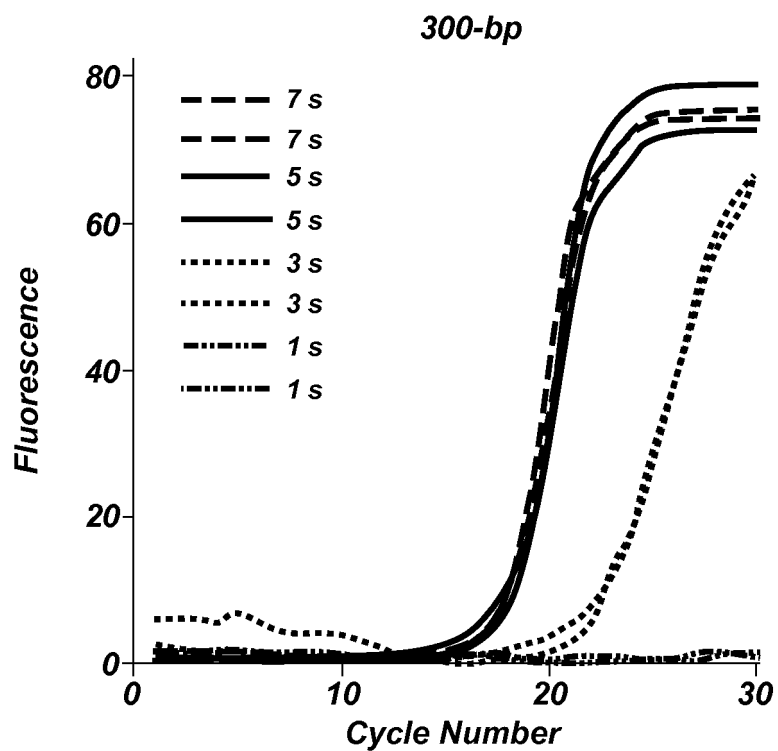


FIG. 11c

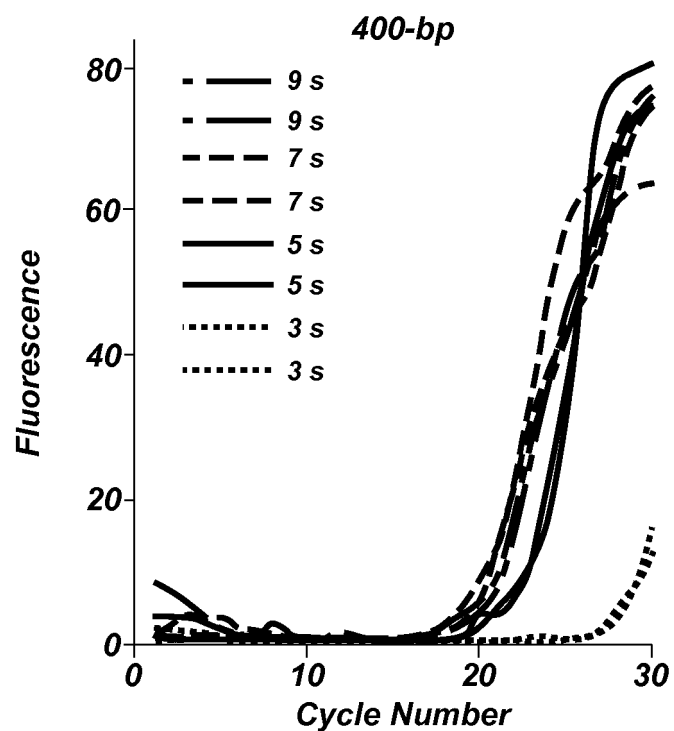


FIG. 11d

27/33

500-bp

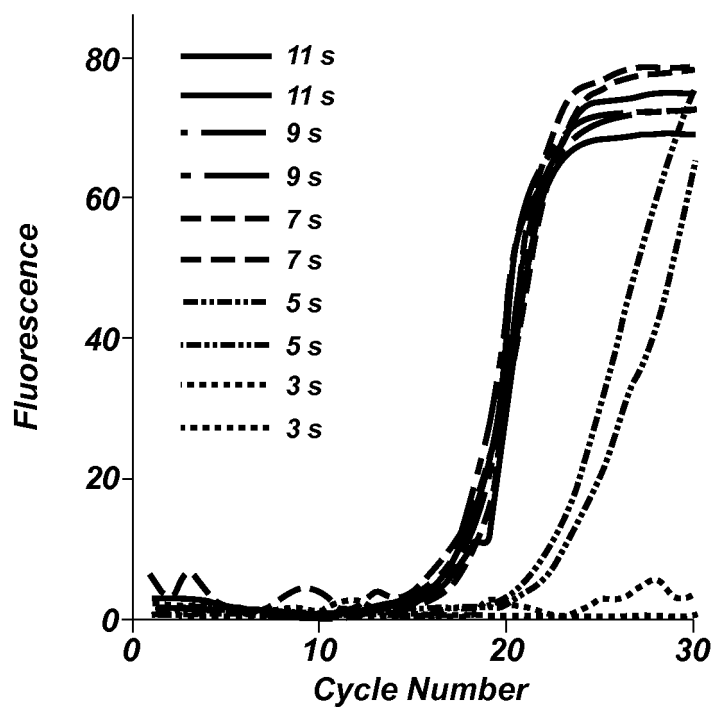


FIG. 11e

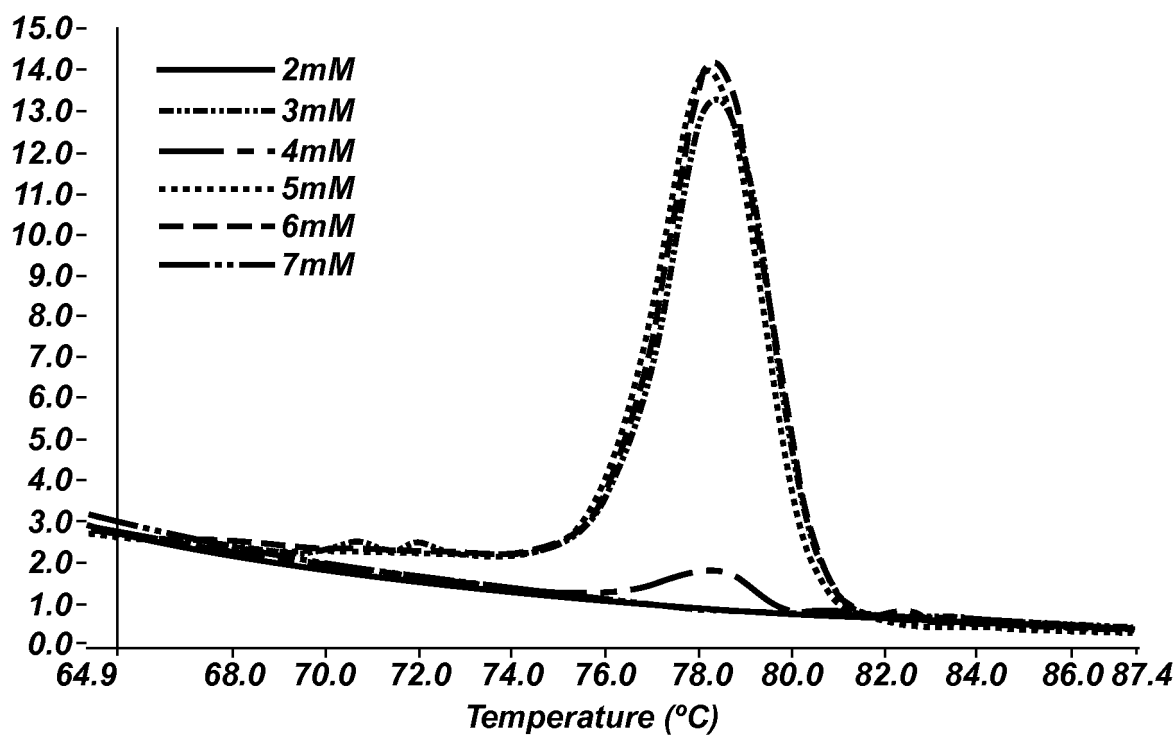
Mg⁺⁺ Optimization for 0.42 s/cycle PCR

FIG. 12a

Mg++ Optimization for 0.42 s/cycle PCR Gel

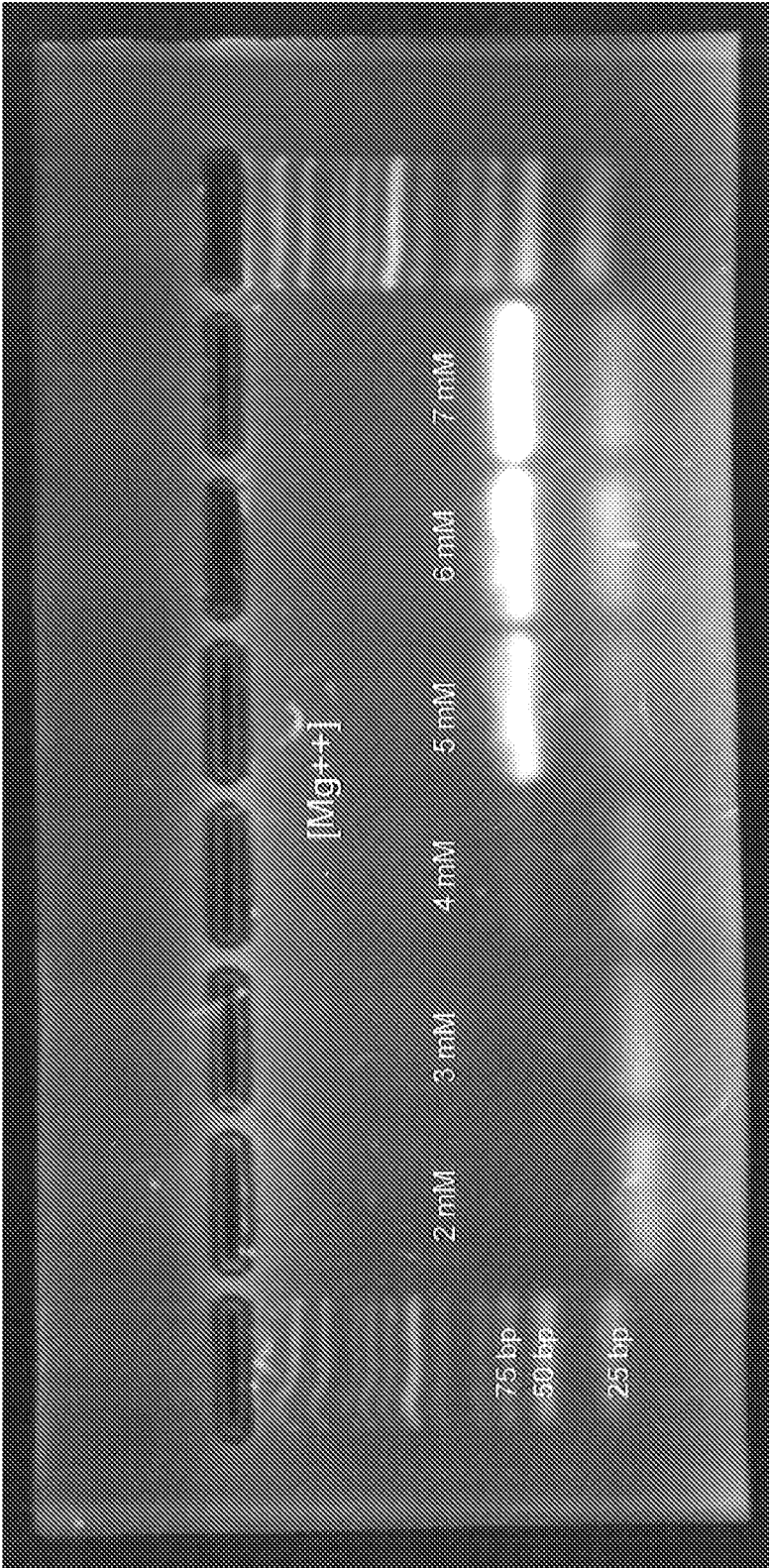


FIG. 12b

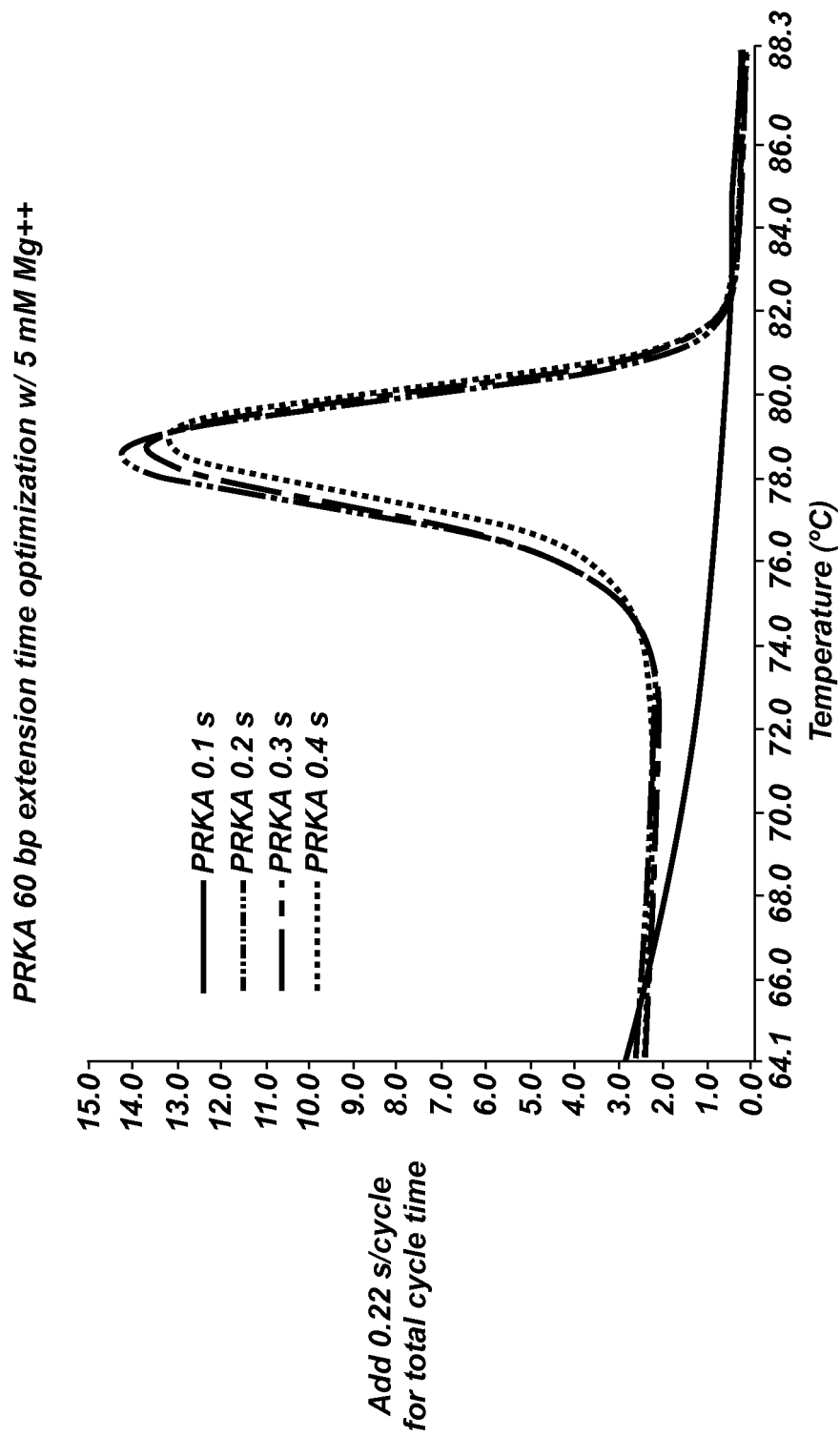


FIG. 13a

Extension Time Optimization w/ 5 mM Mg++ Gel

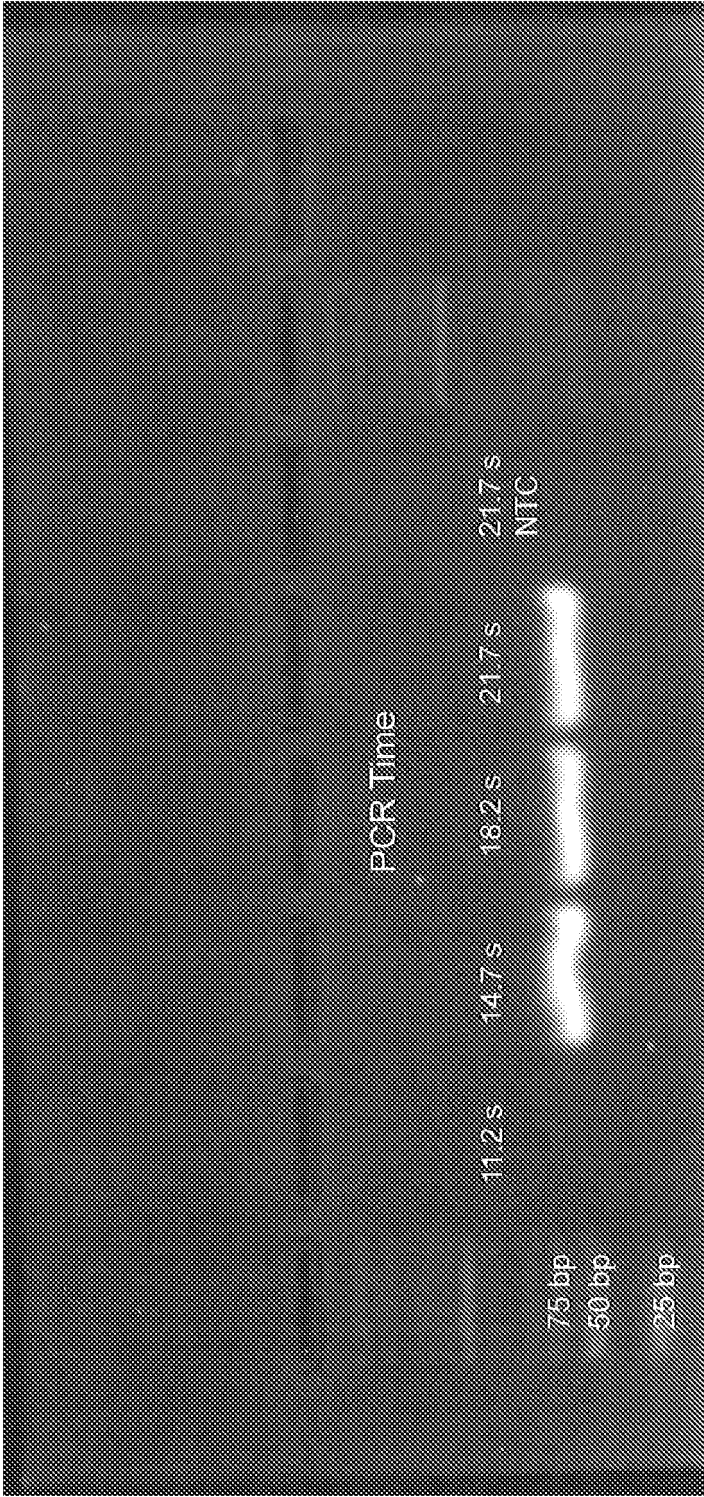


FIG. 13b

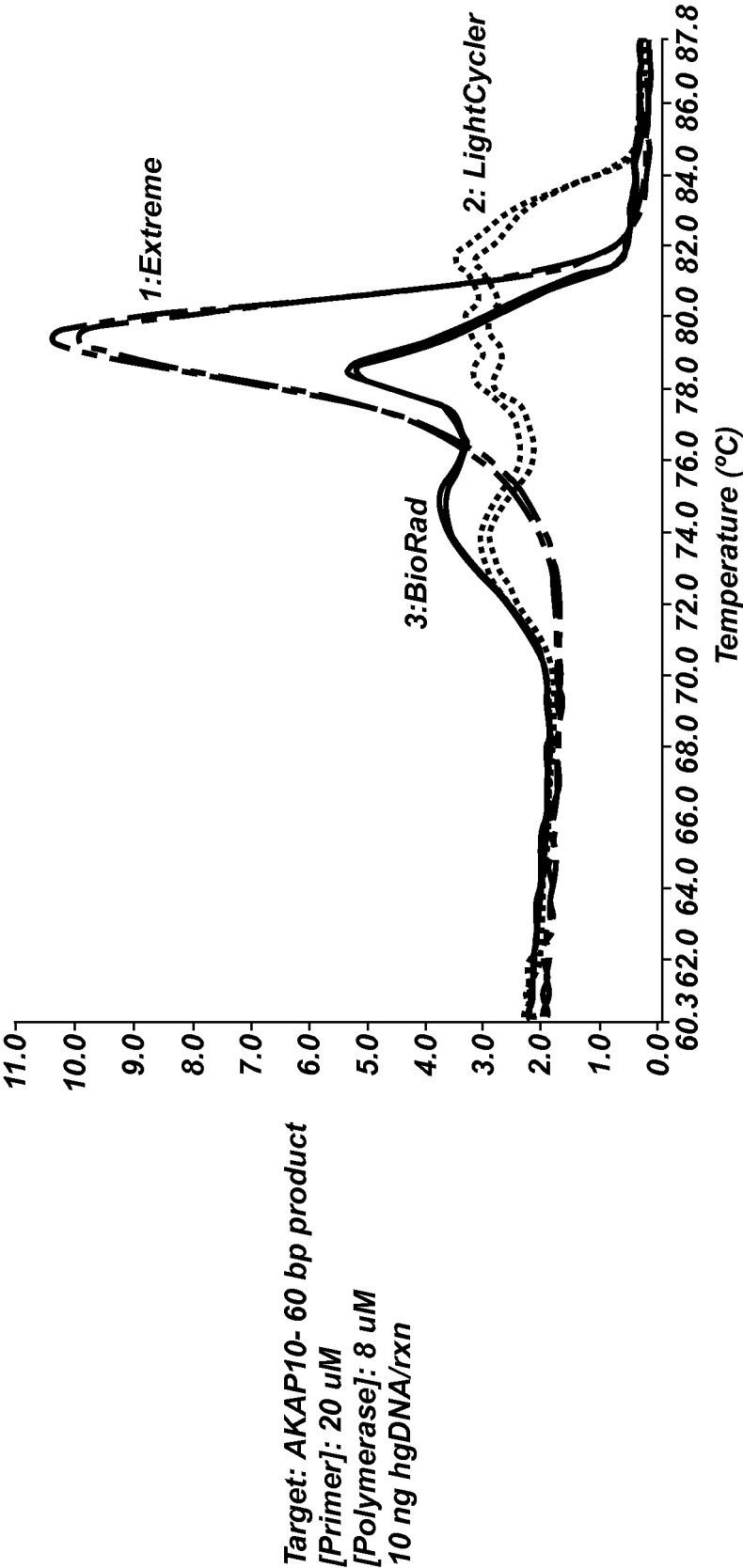


FIG. 14a

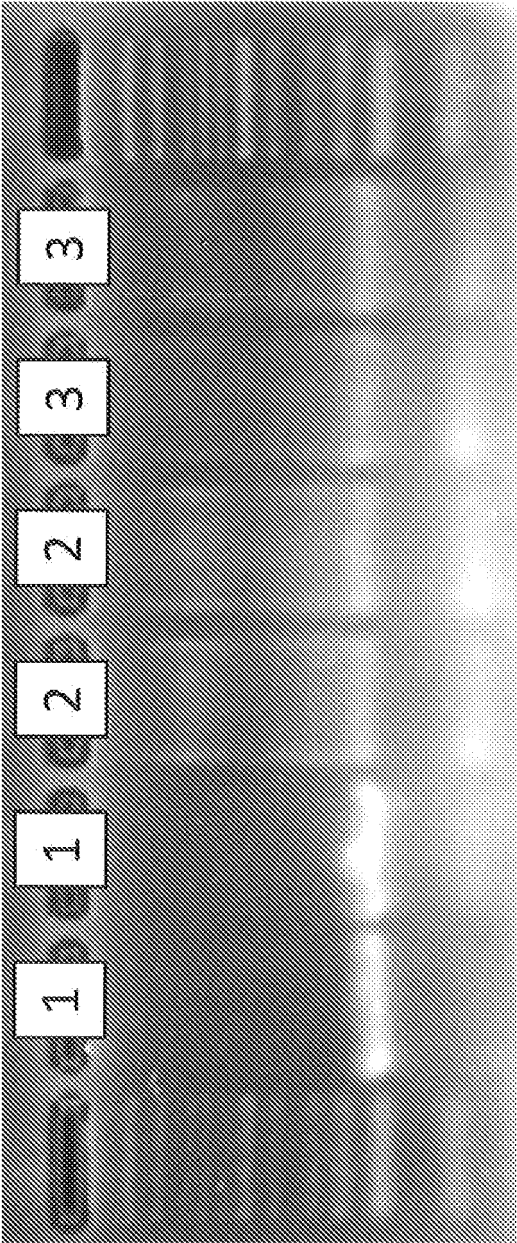


FIG. 14b

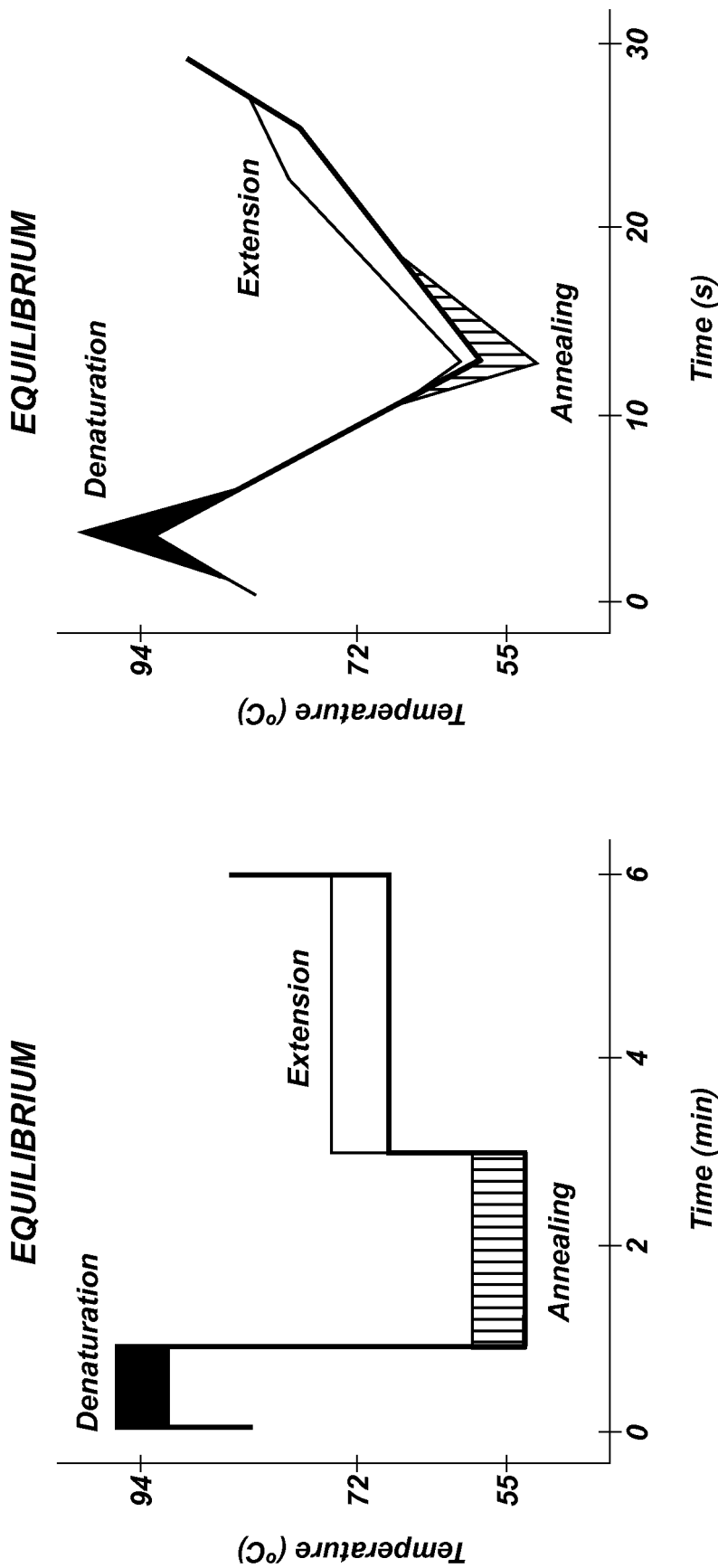


FIG. 15a

FIG. 15b