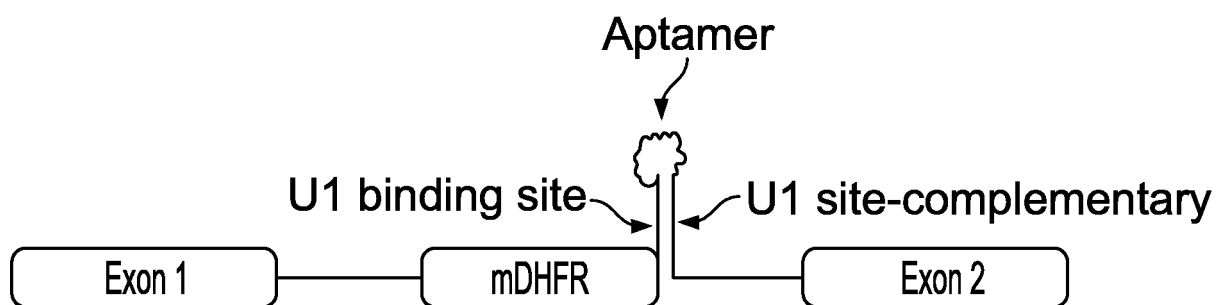
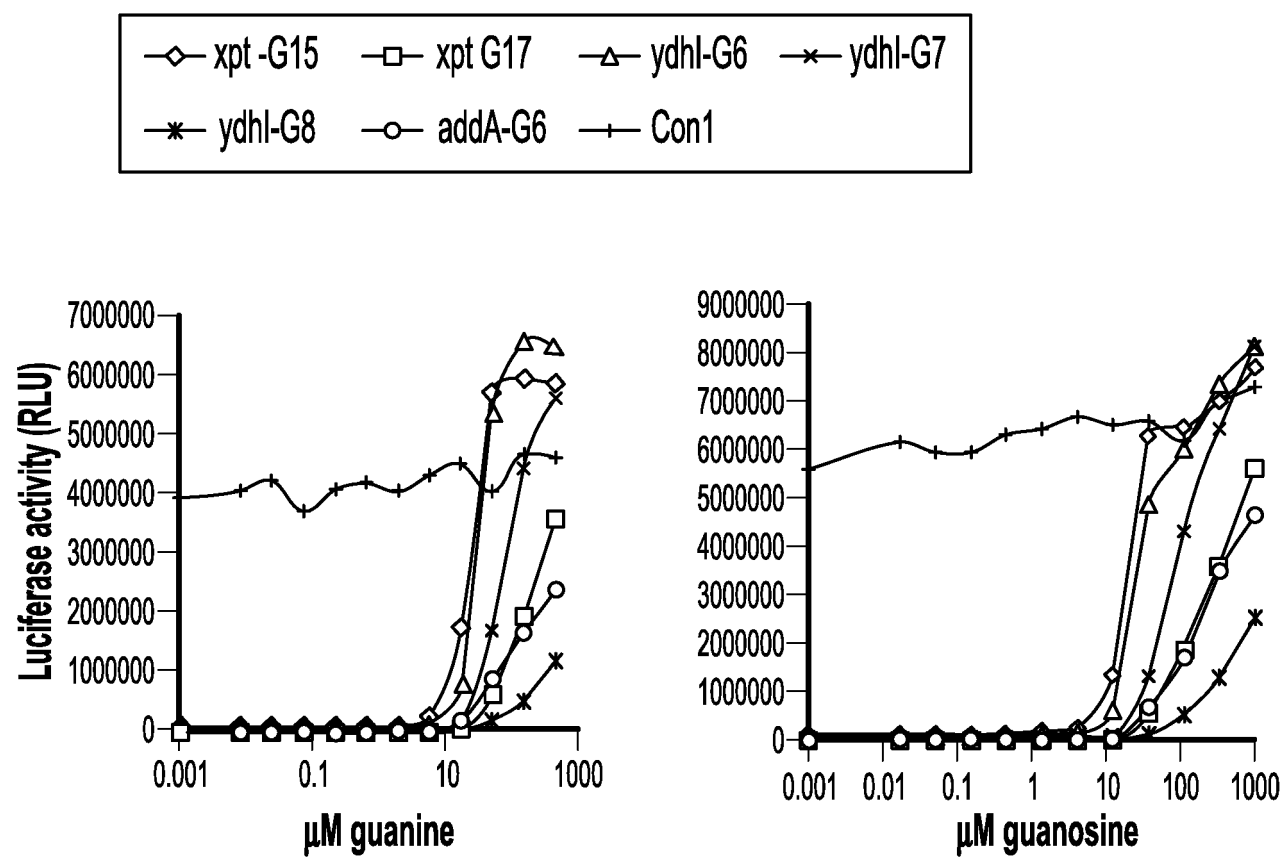


**FIG. 1a****FIG. 1b**

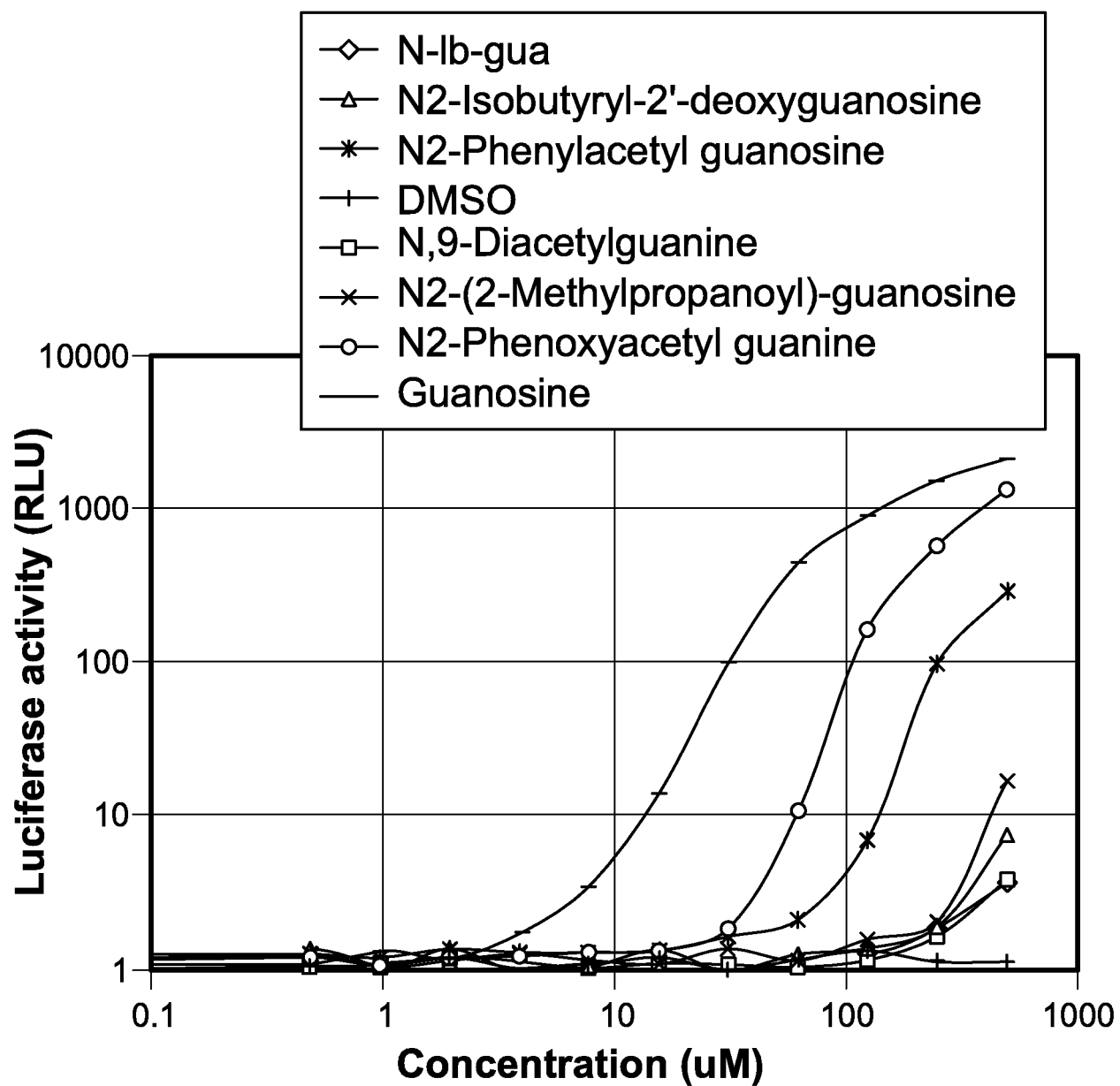


FIG. 1c

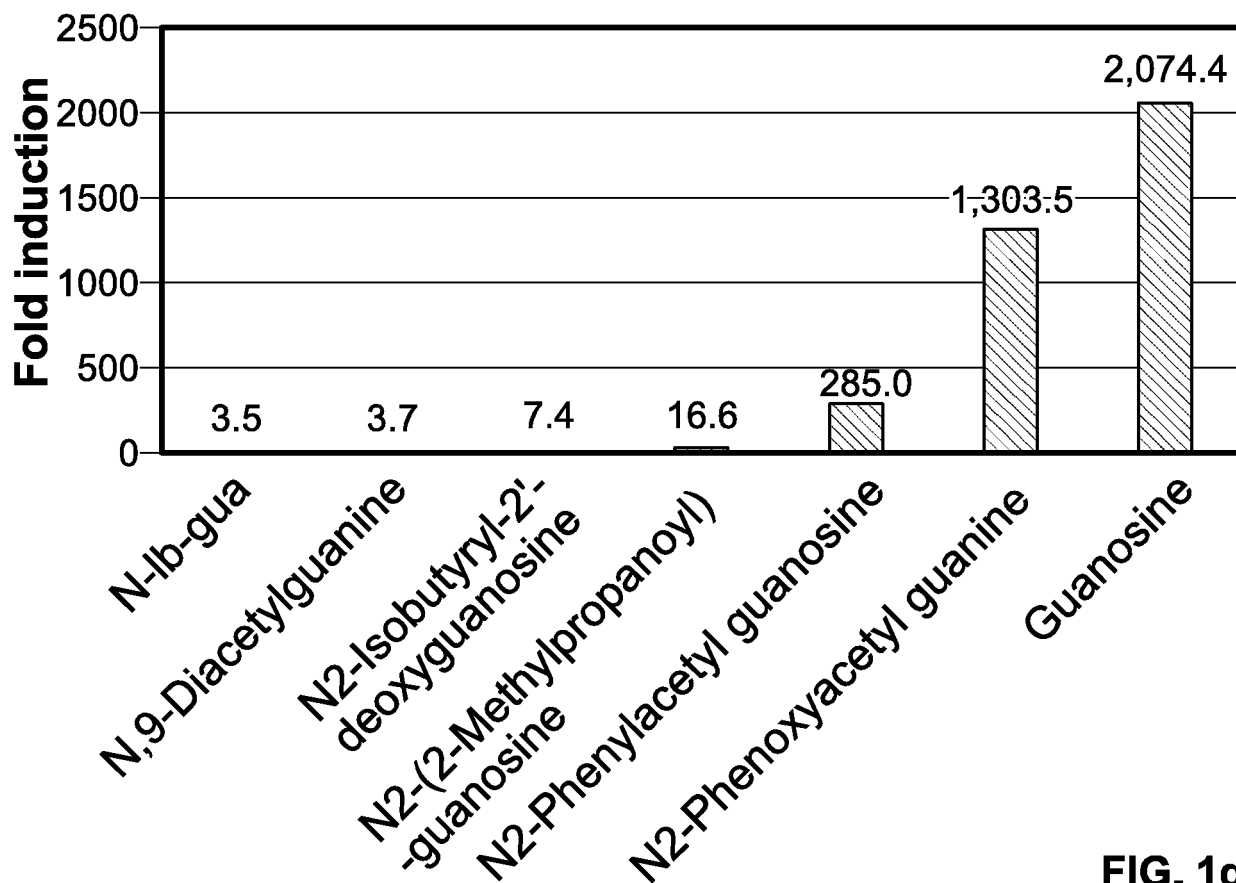


FIG. 1d

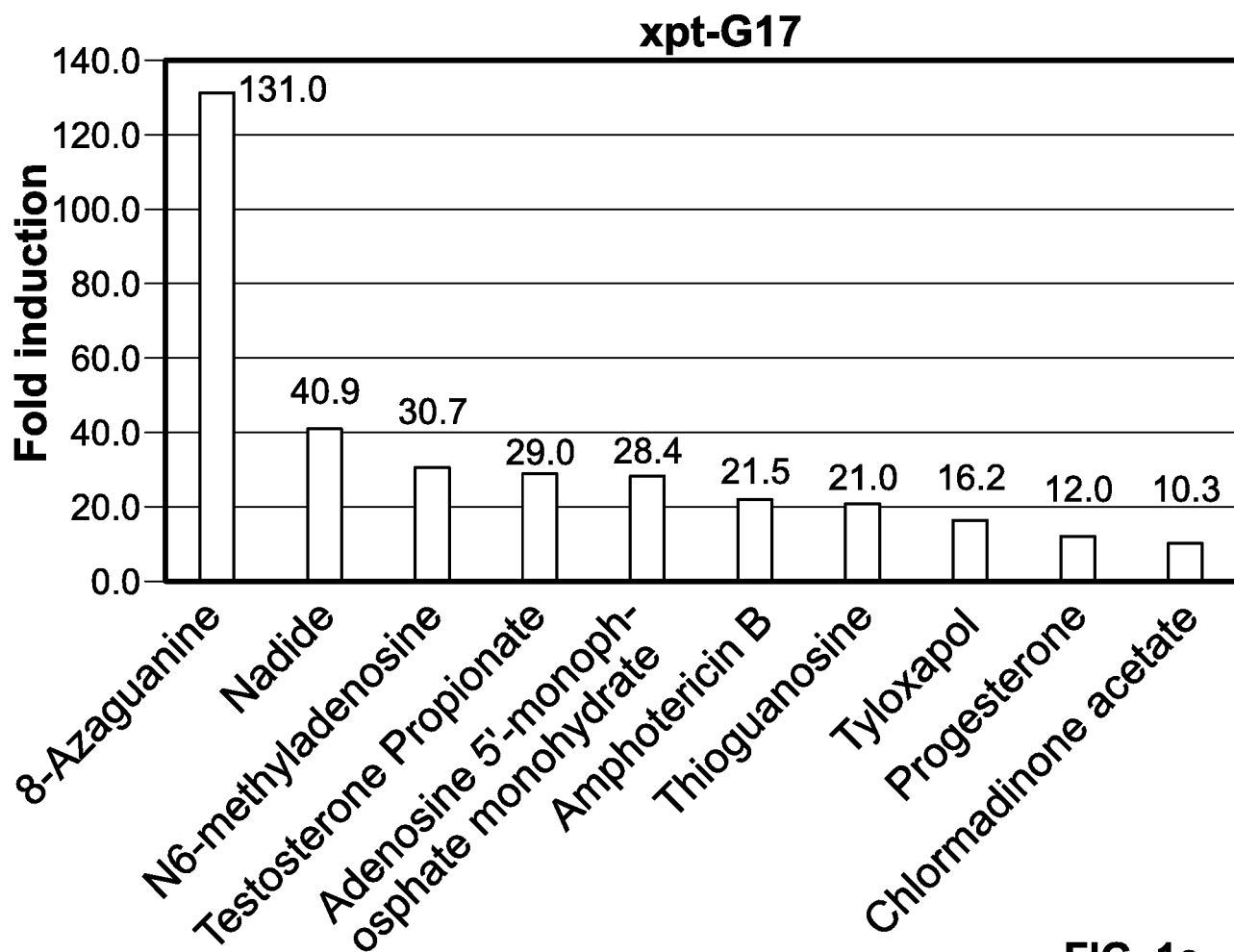


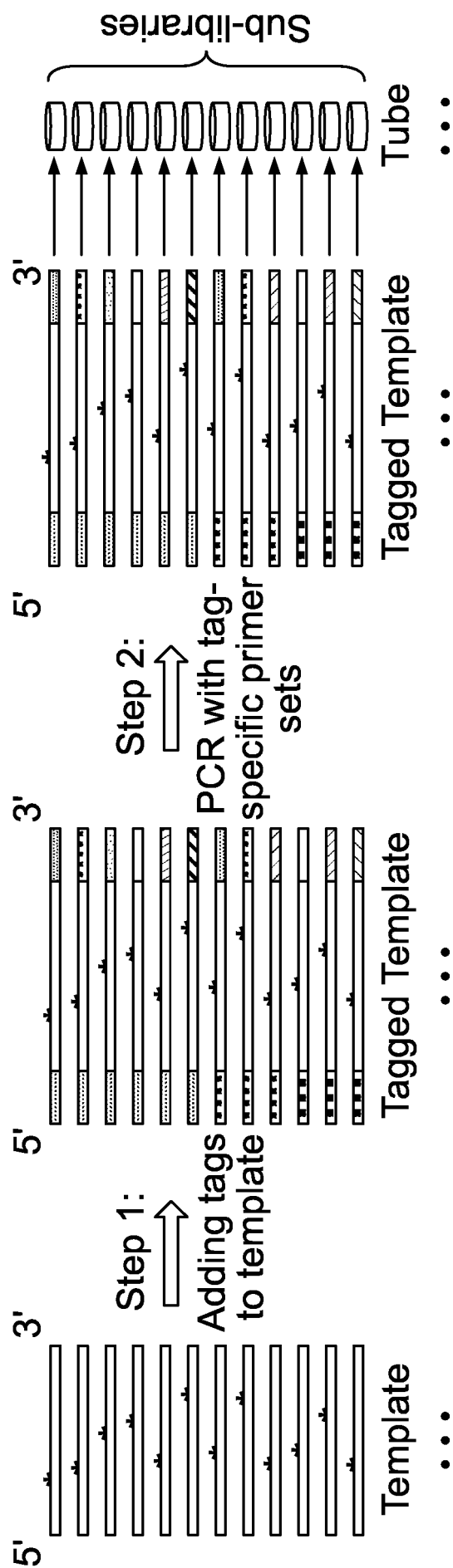
FIG. 1e



* Denotes randomized region

Template for generating randomized aptamer sequence

FIG. 2

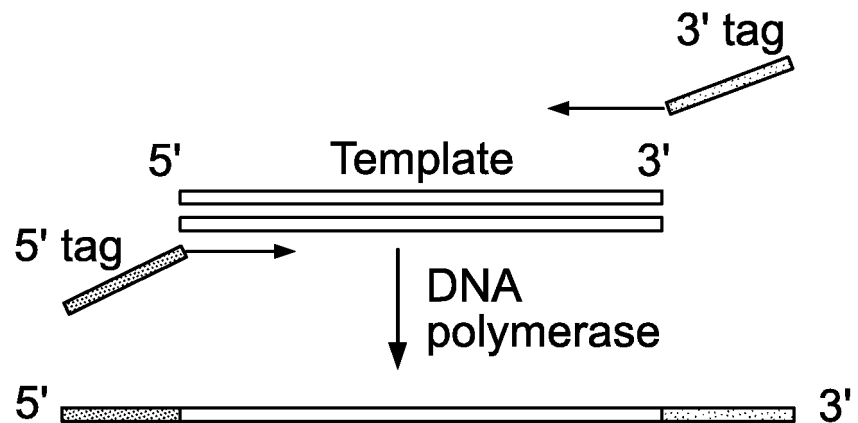


*Denotes Randomized Region

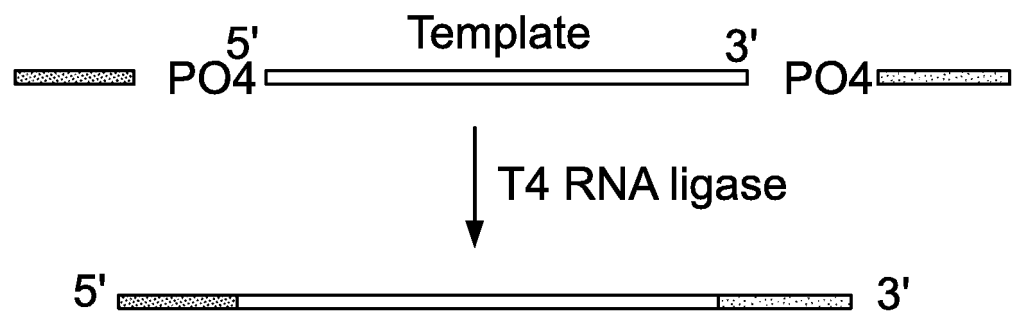
Strategy of Splitting Randomized Aptamer Library by Sequencing
Tagging and PCR Amplification

FIG. 3a

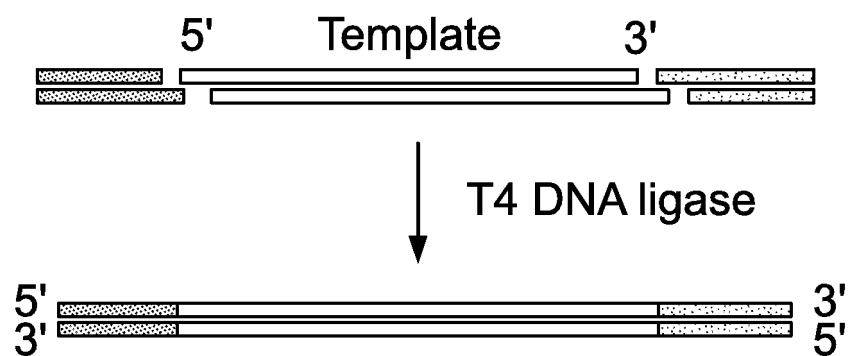
I.

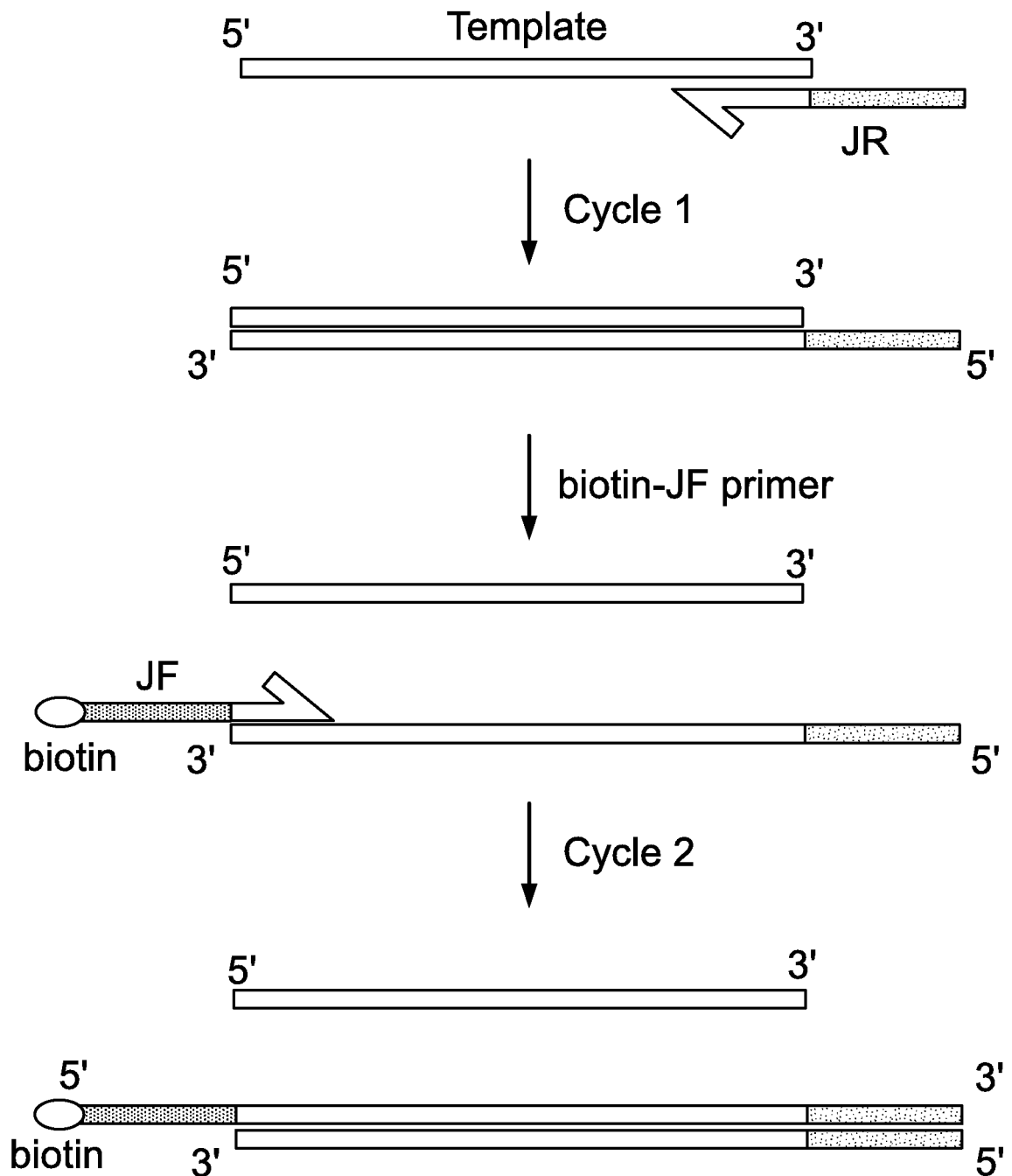


II.



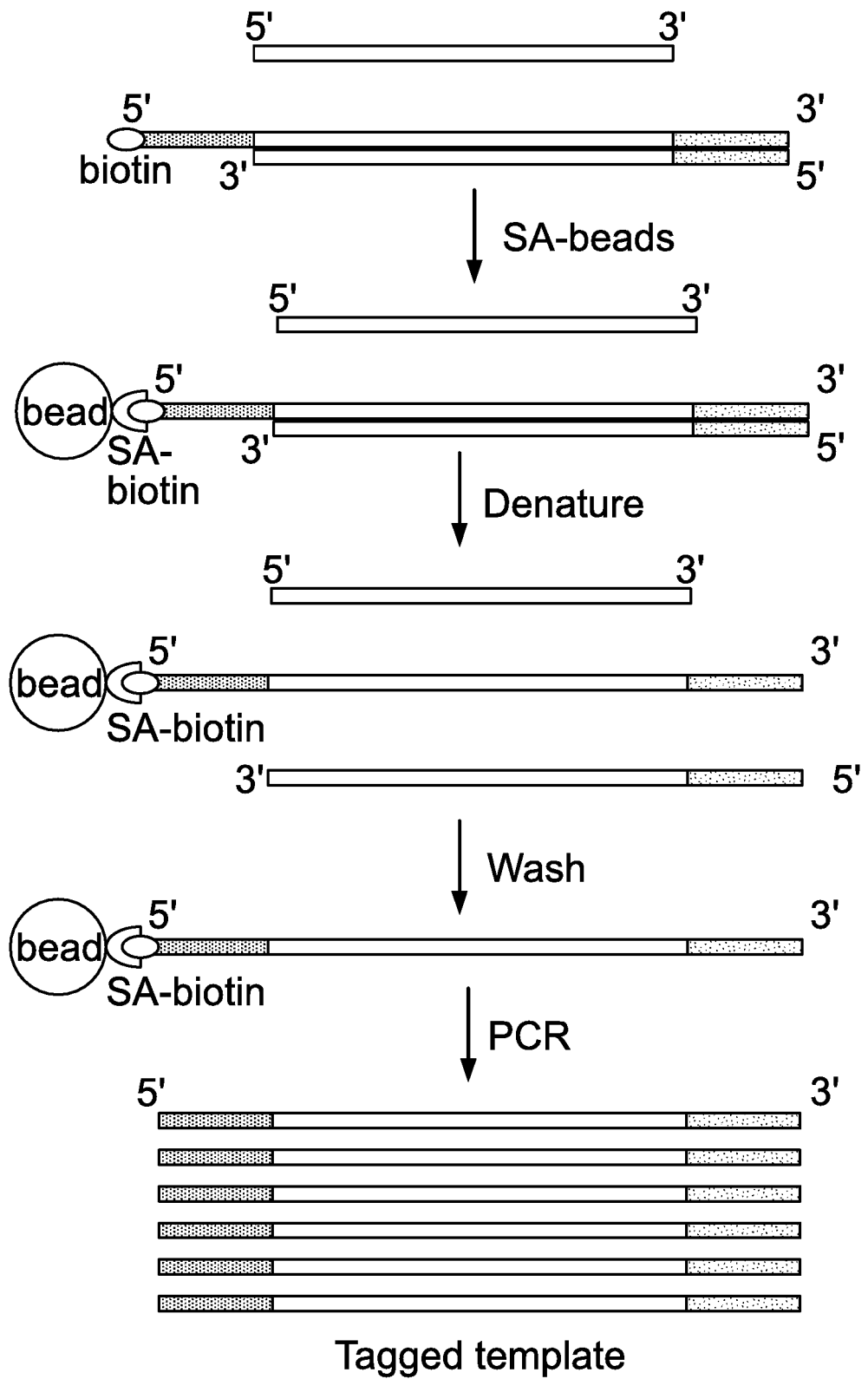
III.

**FIG. 3b**



Two-cycle PCR to add sequence tags

FIG. 3c



Generation of tagged aptamer library

FIG. 3d

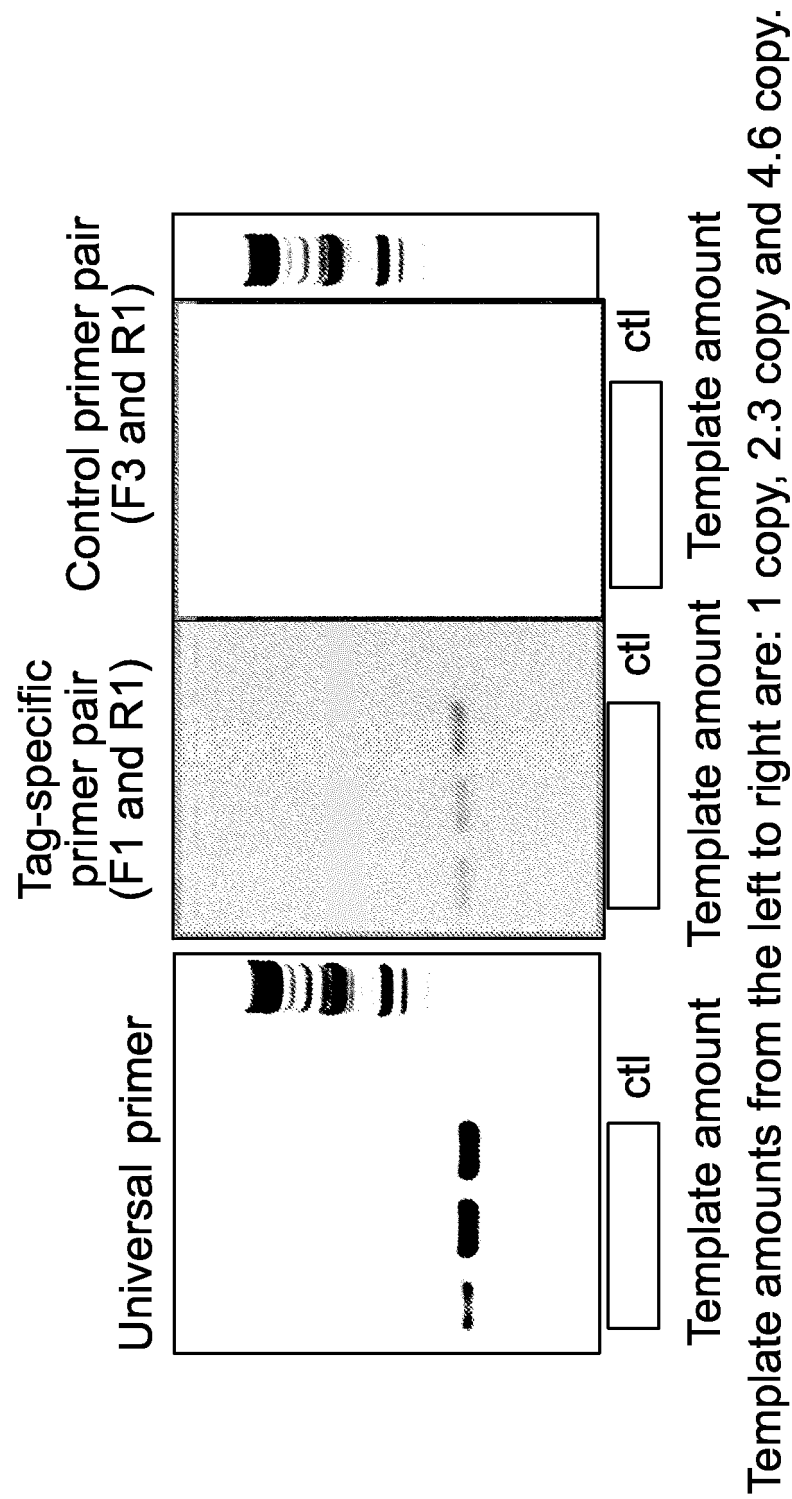
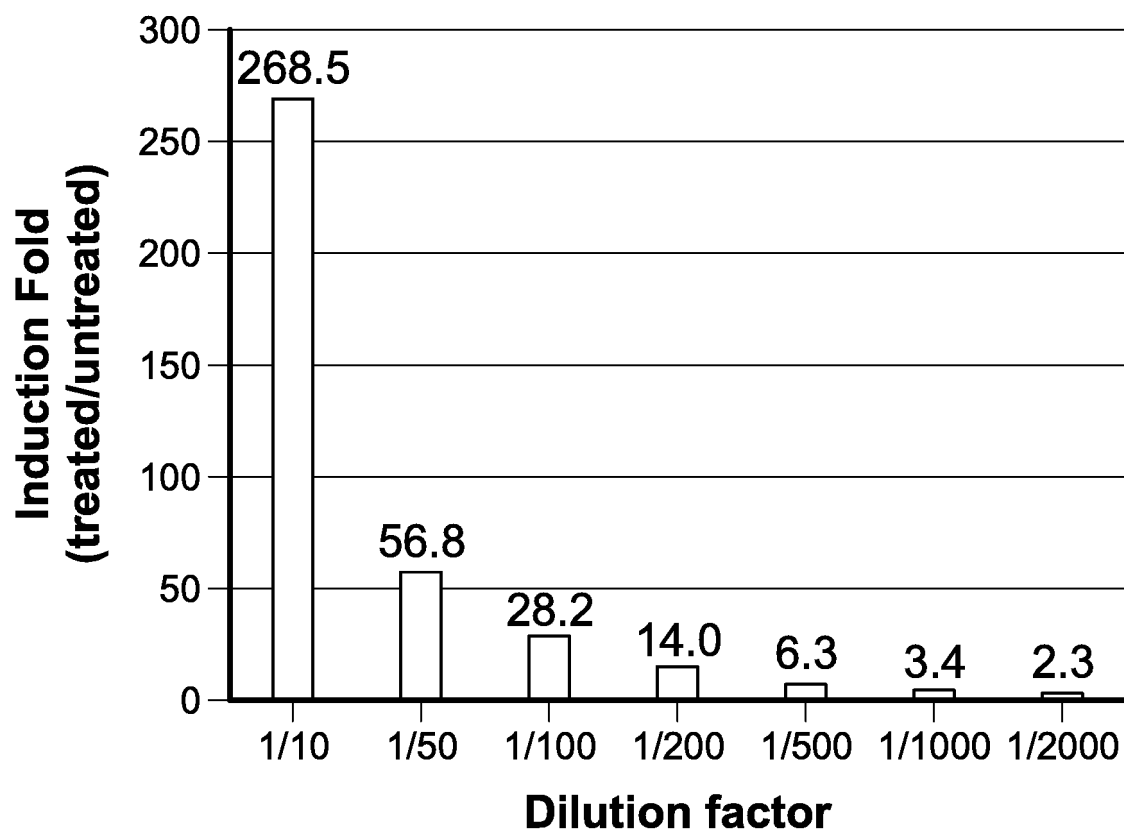
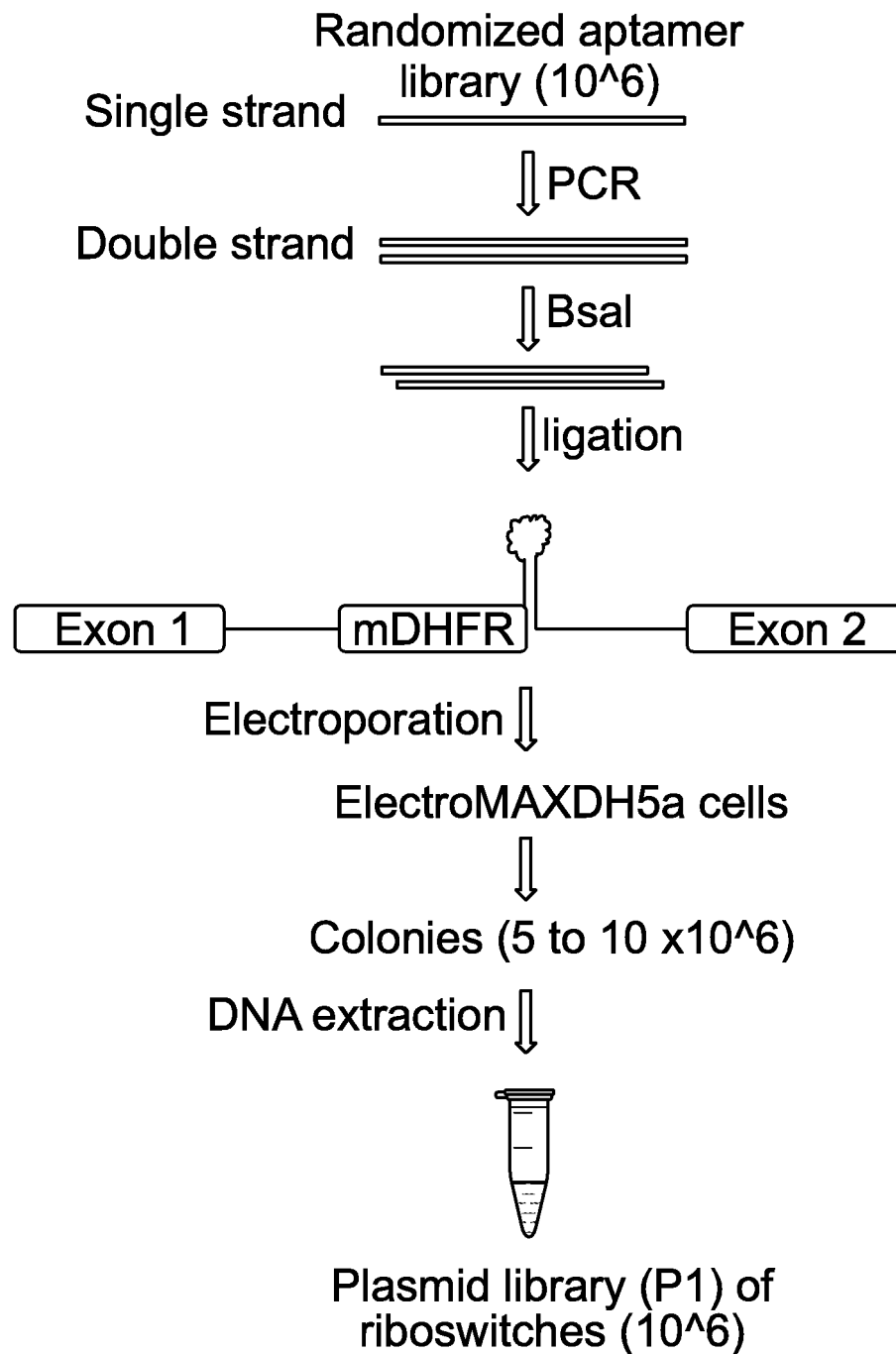


FIG. 3e

**FIG. 4**

**FIG. 5a**

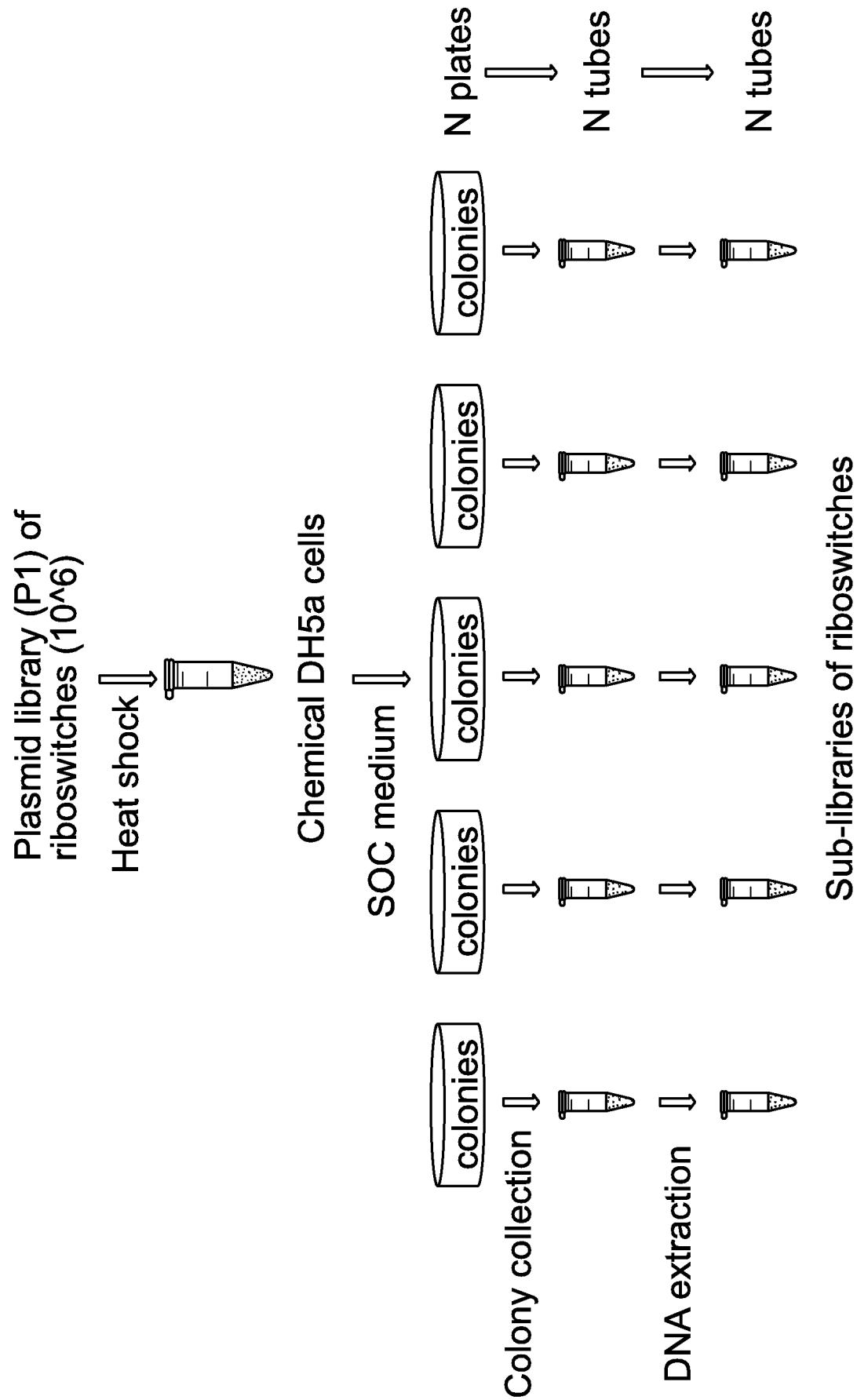


FIG. 5b

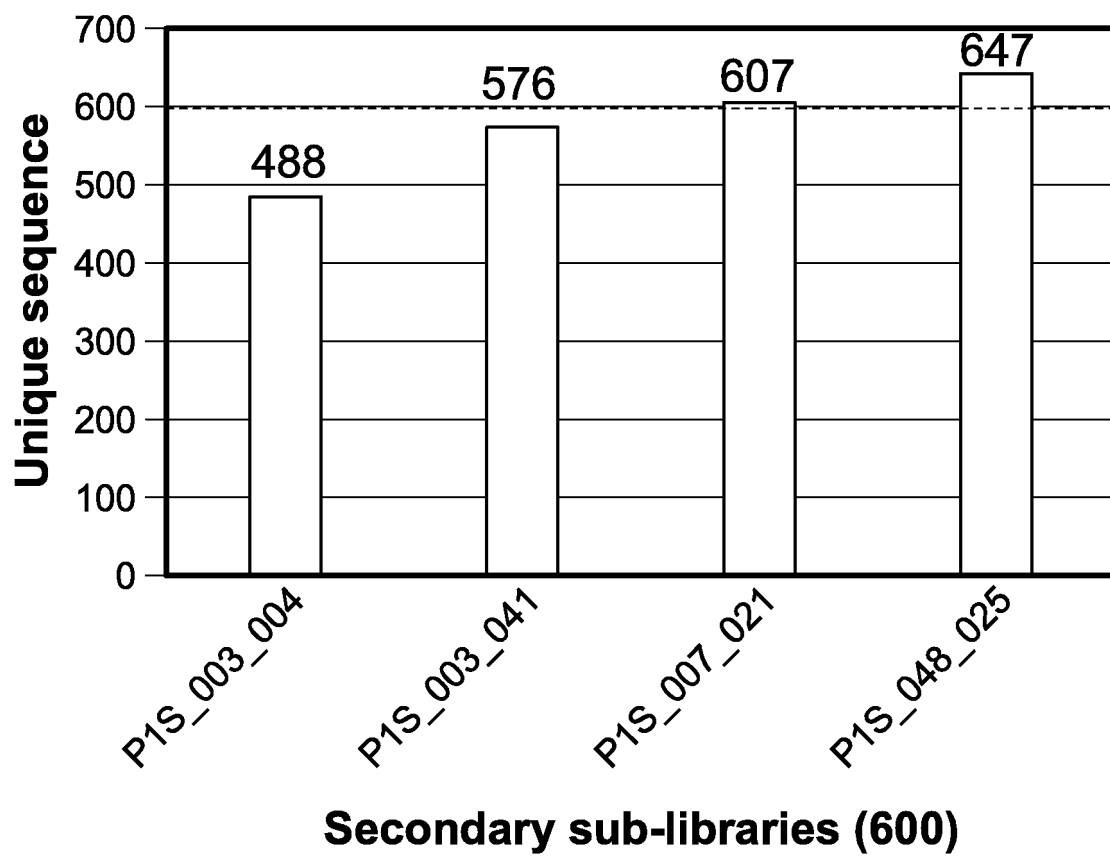
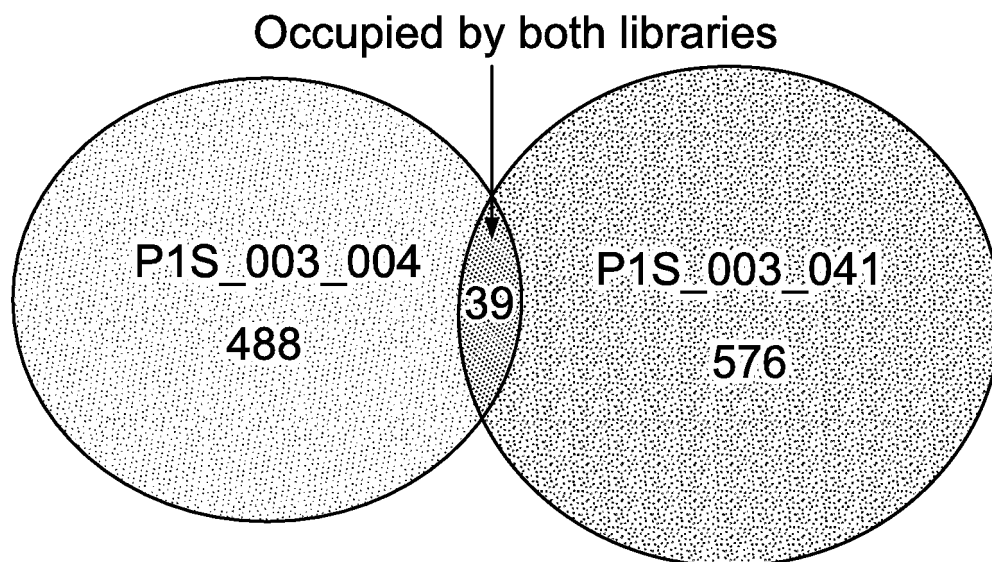
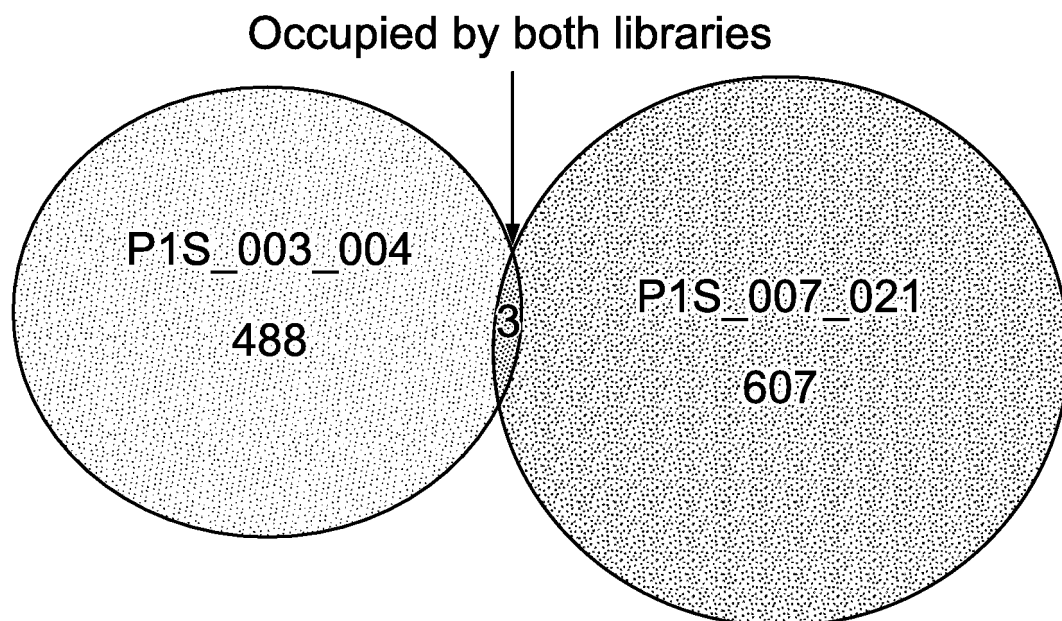
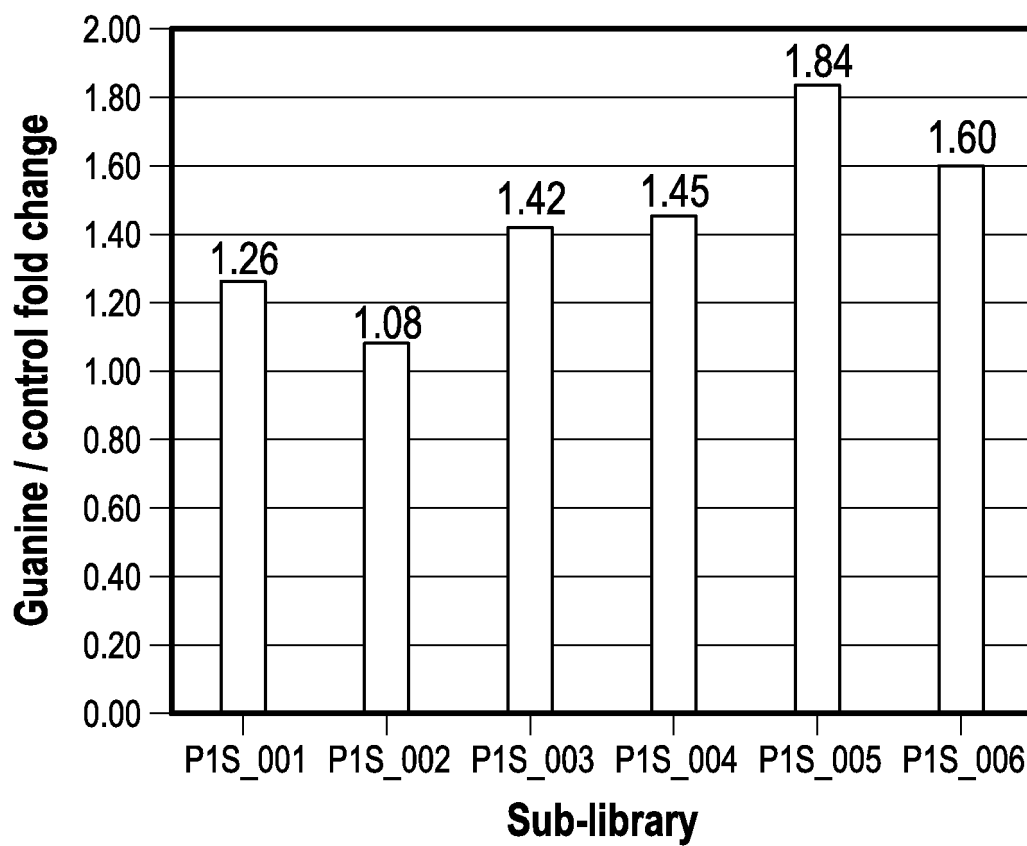
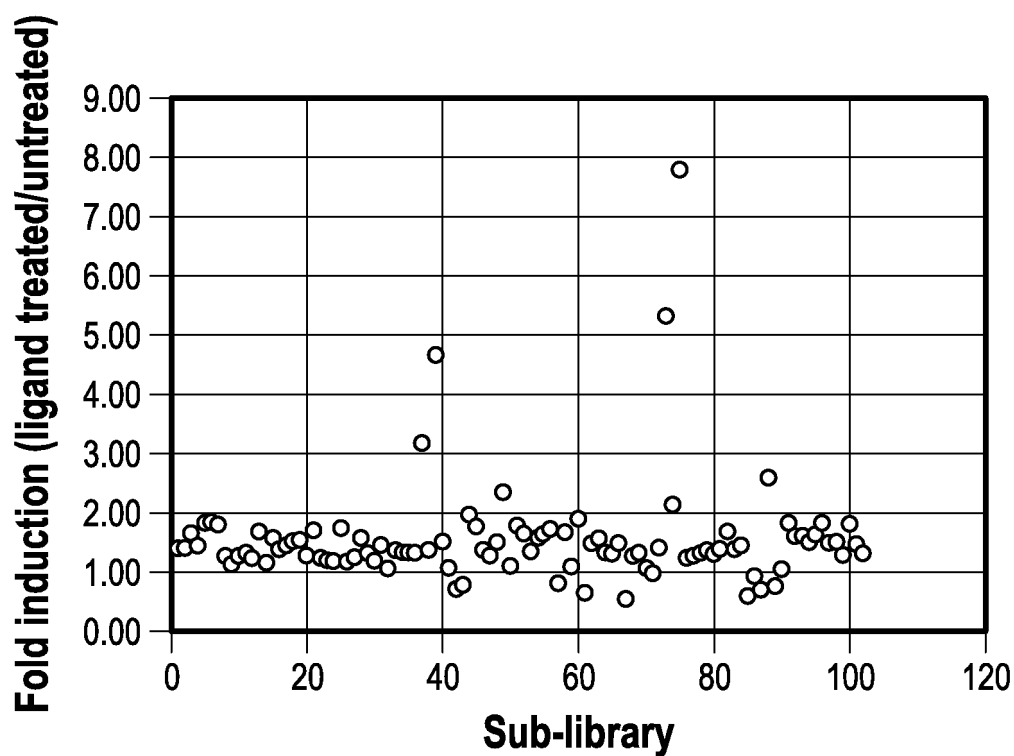


FIG. 5c

**FIG. 5d****FIG. 5e**

**FIG. 6a****FIG. 6b**

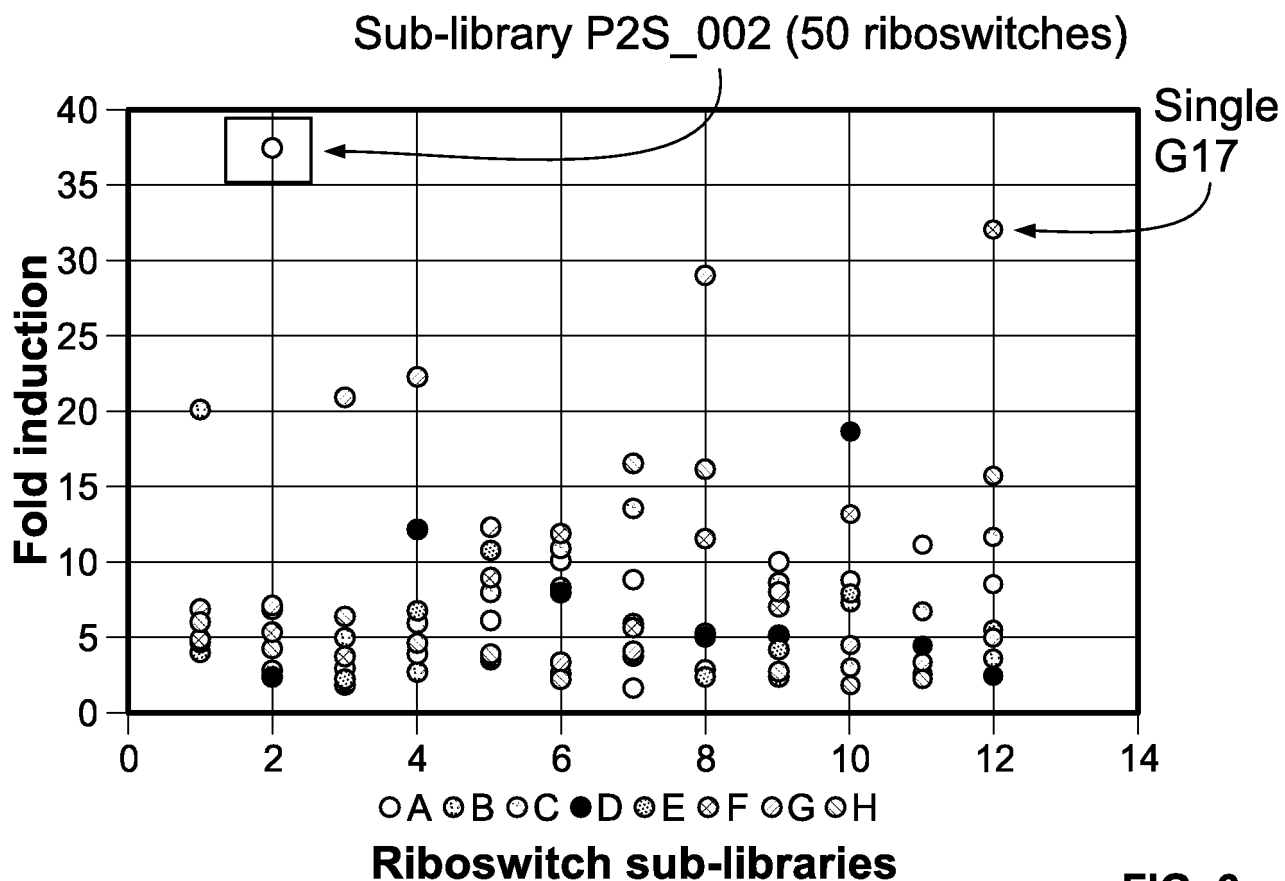


FIG. 6c

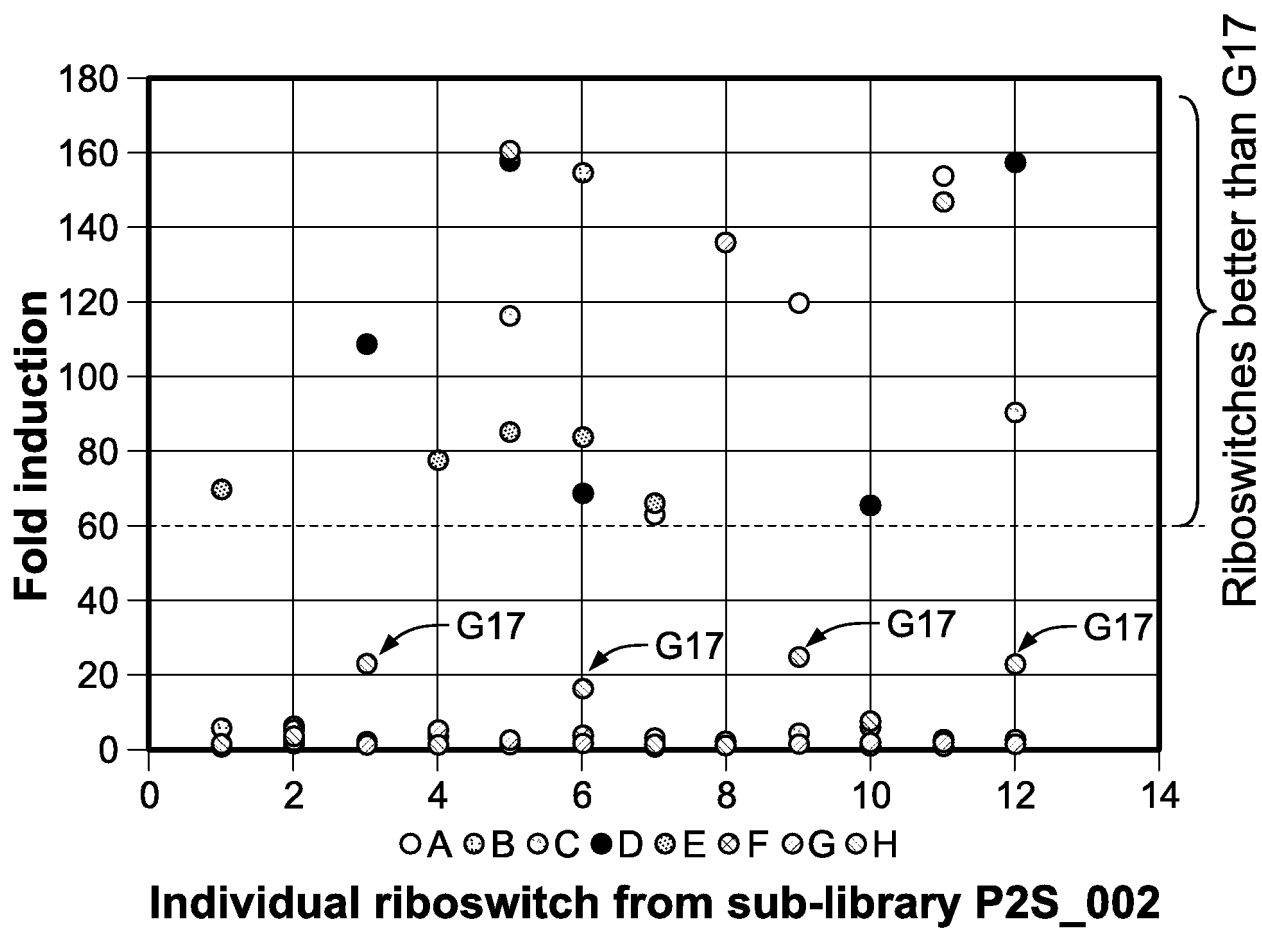


FIG. 6d

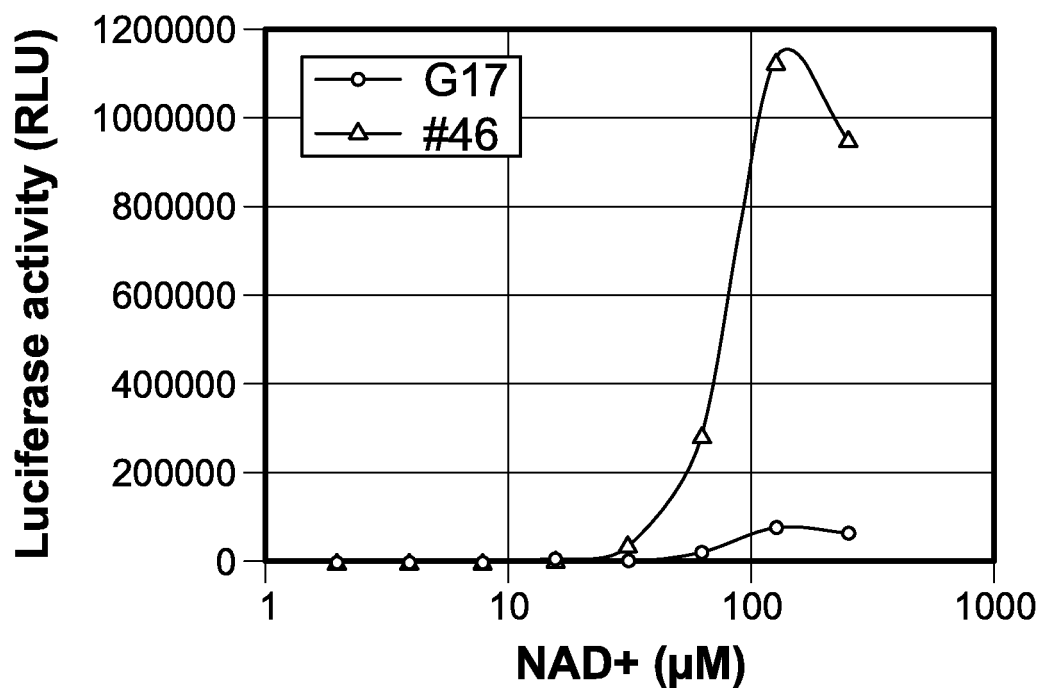


FIG. 6e

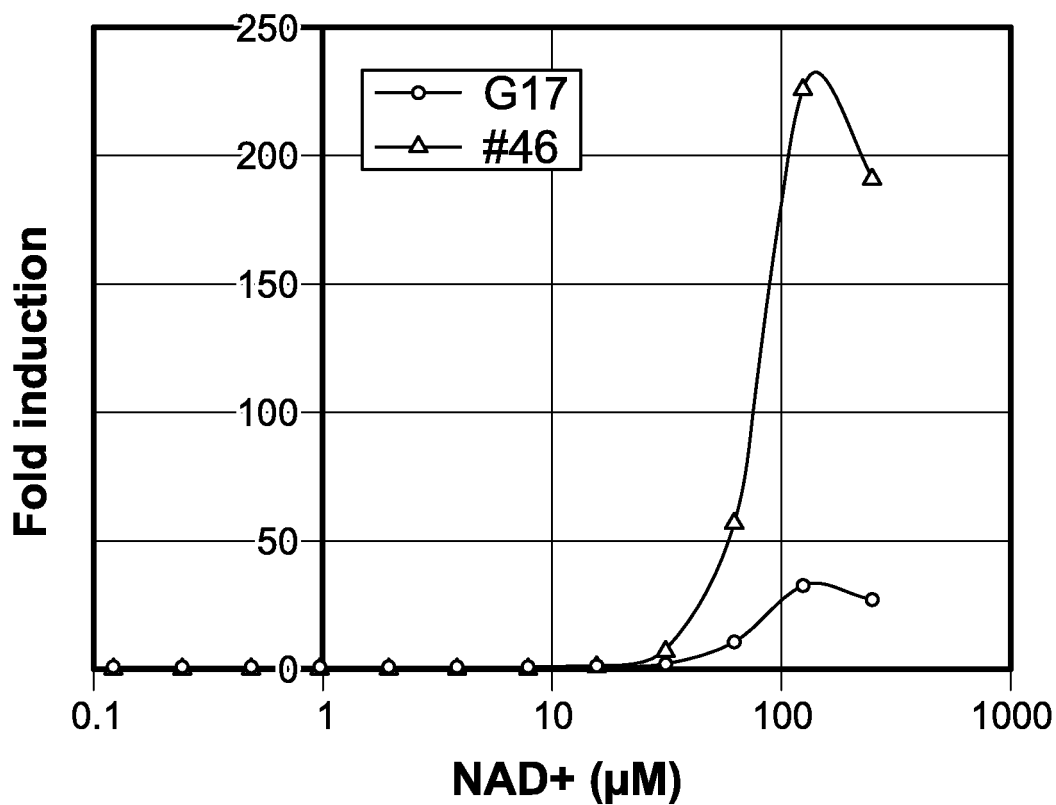


FIG. 6f