

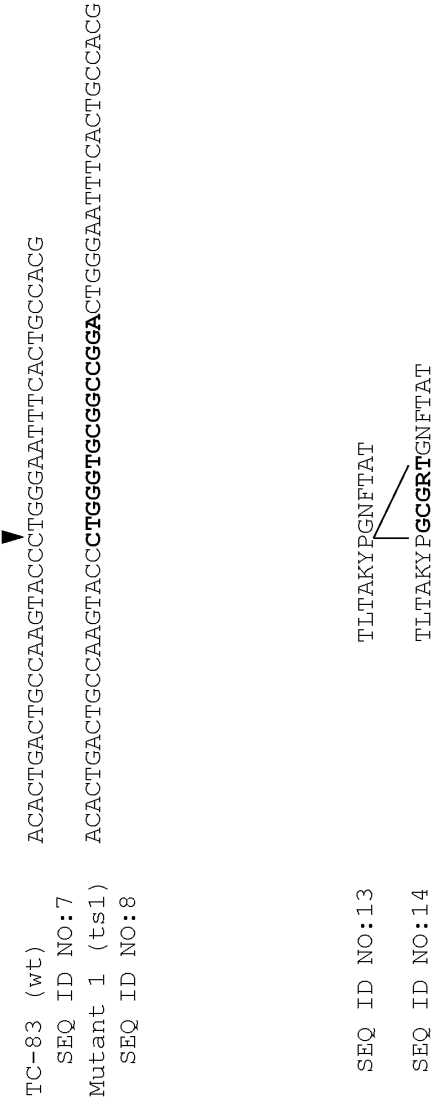


FIG. 2A

TC-83 (wt) SEQ ID NO: 9
 Mutant 2 (ts2) SEQ ID NO: 10

GGAAGAGTCTATGACATGAACACTGGTACACTGCGCAAT
 GGAAGAGTCTATGACATGAACACTGGT**CGCGCGCA**ACTGGTACACTGCGCAAT

SEQ ID NO:15	GRVYDMNTGTLRN
SEQ ID NO:16	GRVYDMNT TGAAA TGTLRN

FIG. 2B

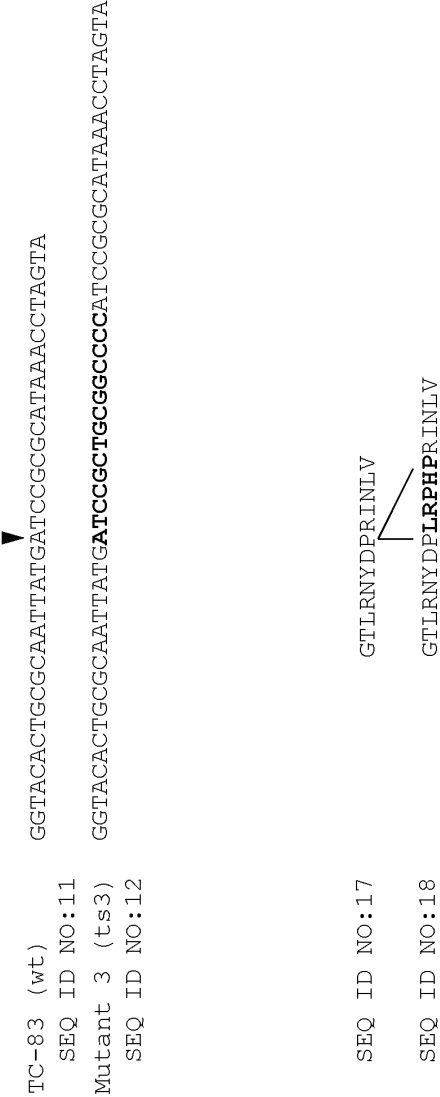


FIG. 2C

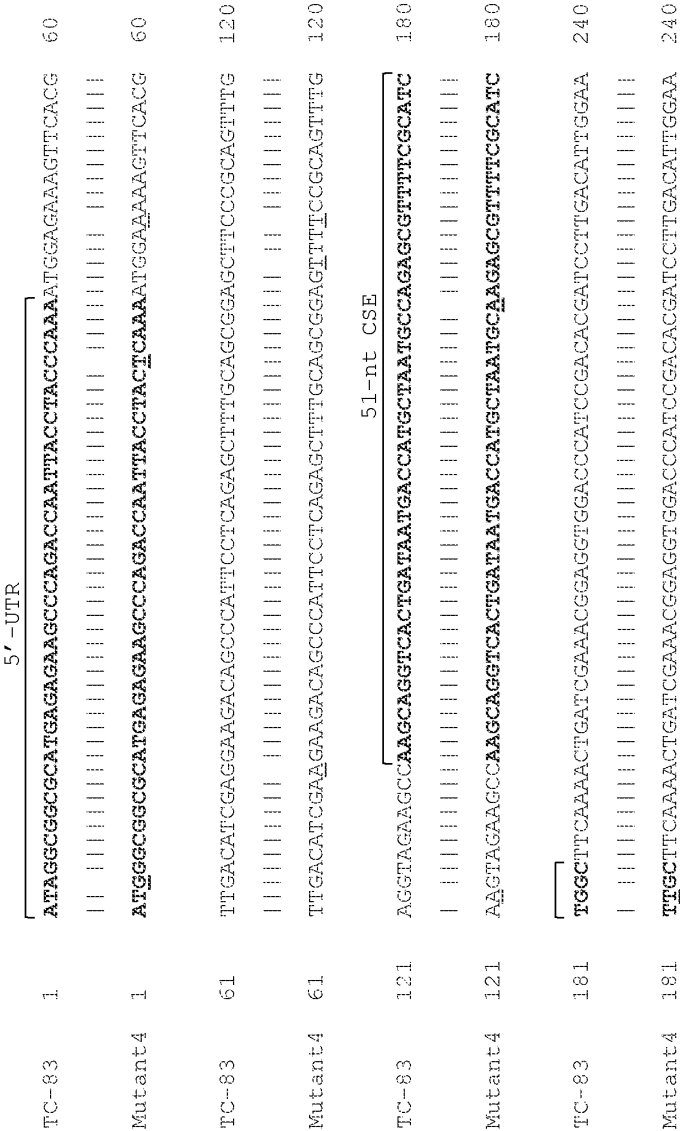


FIG. 3

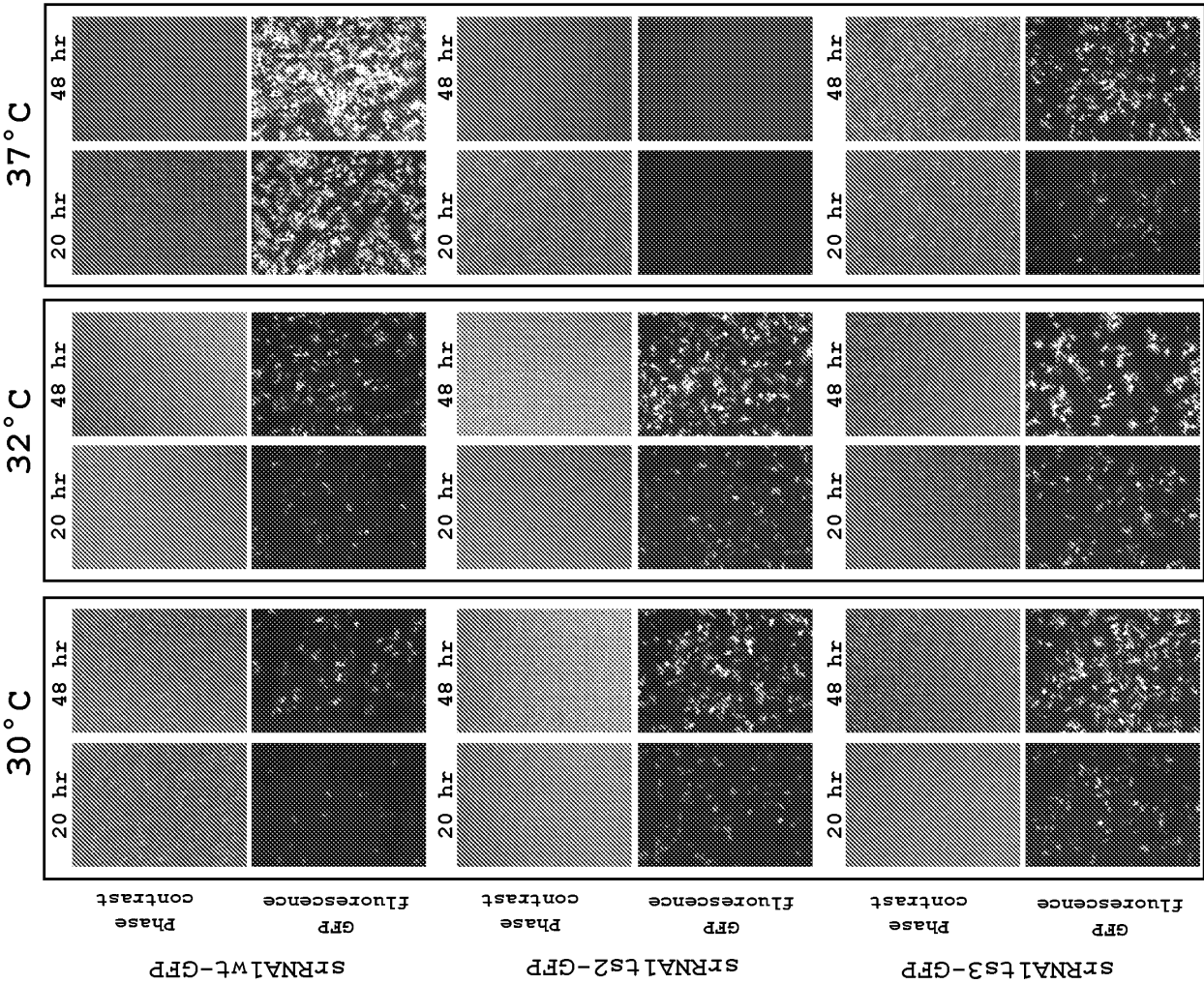
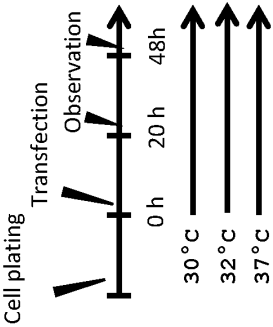


FIG. 4A

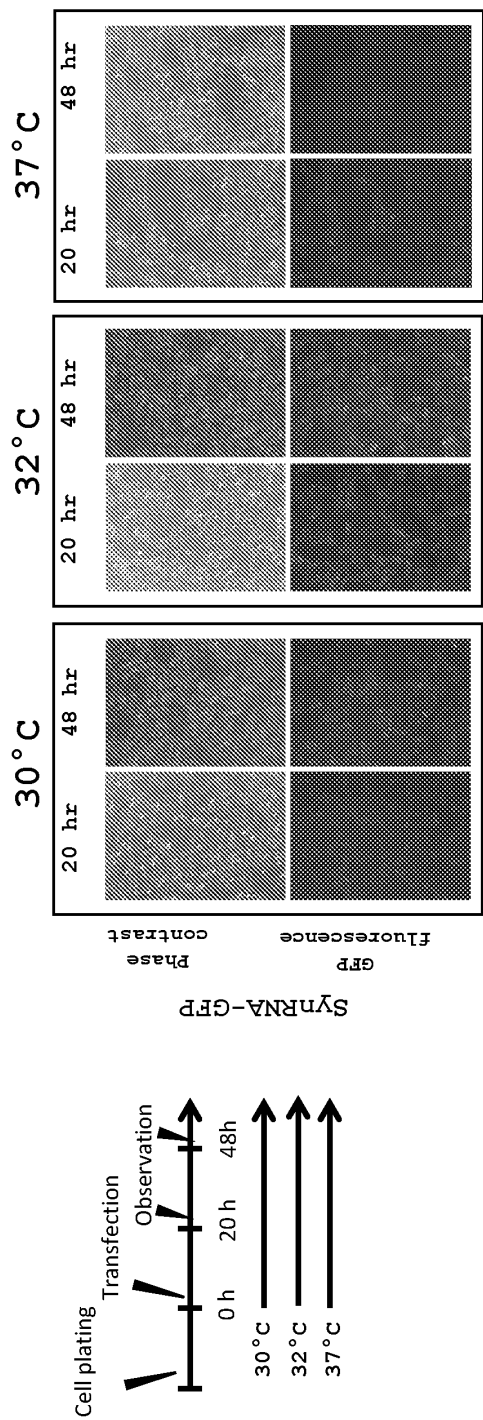


FIG. 4B

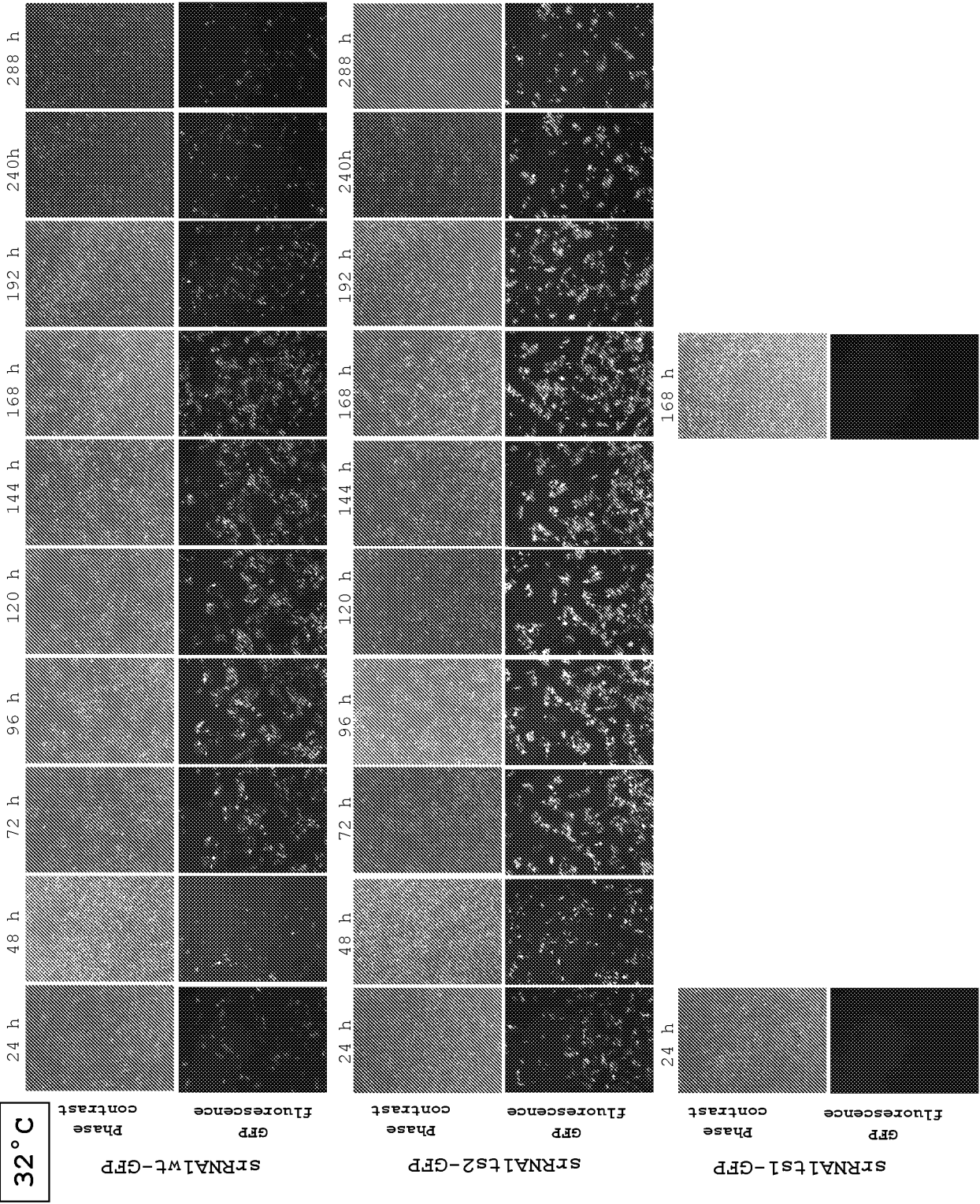


FIG. 5

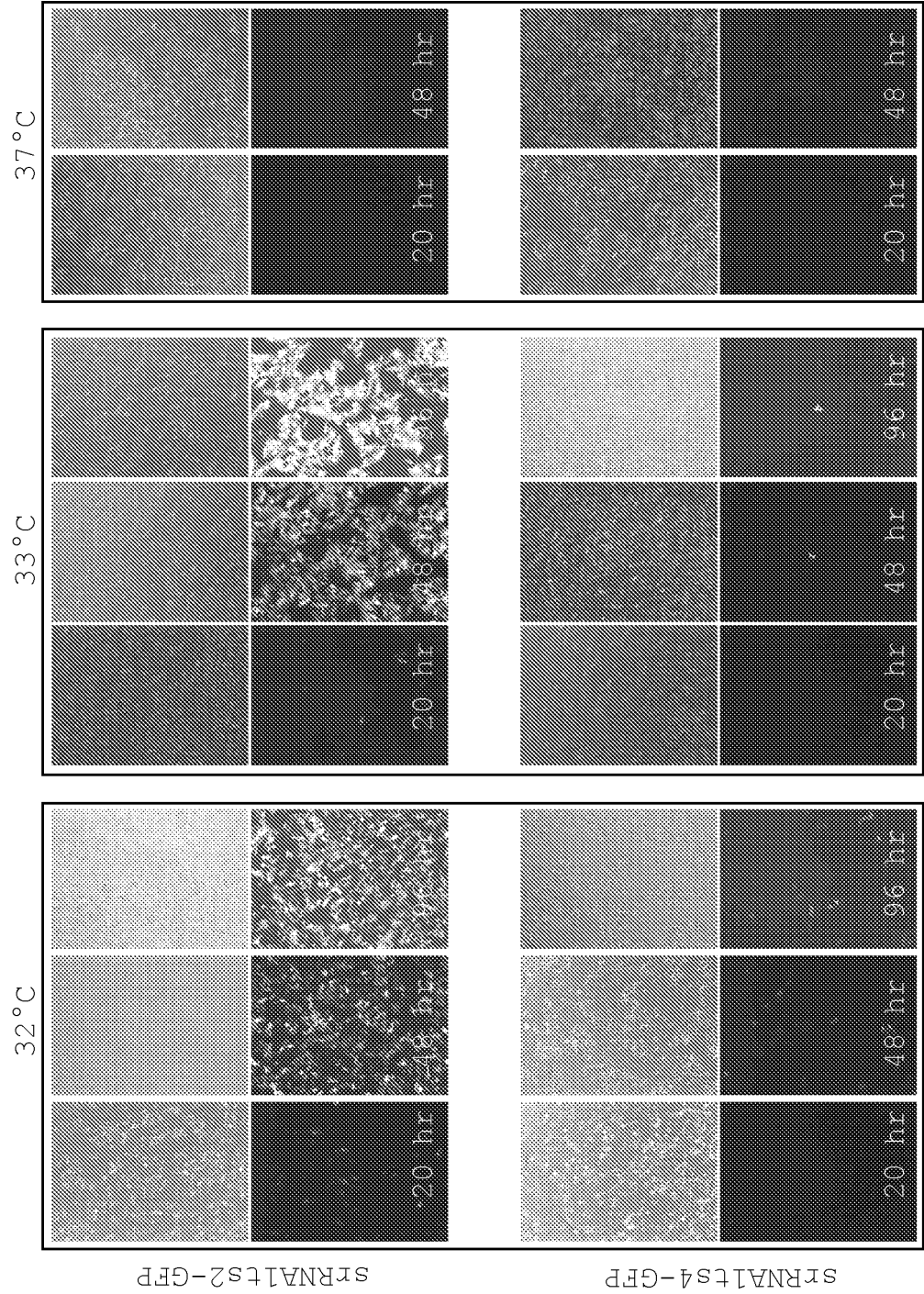


FIG. 6

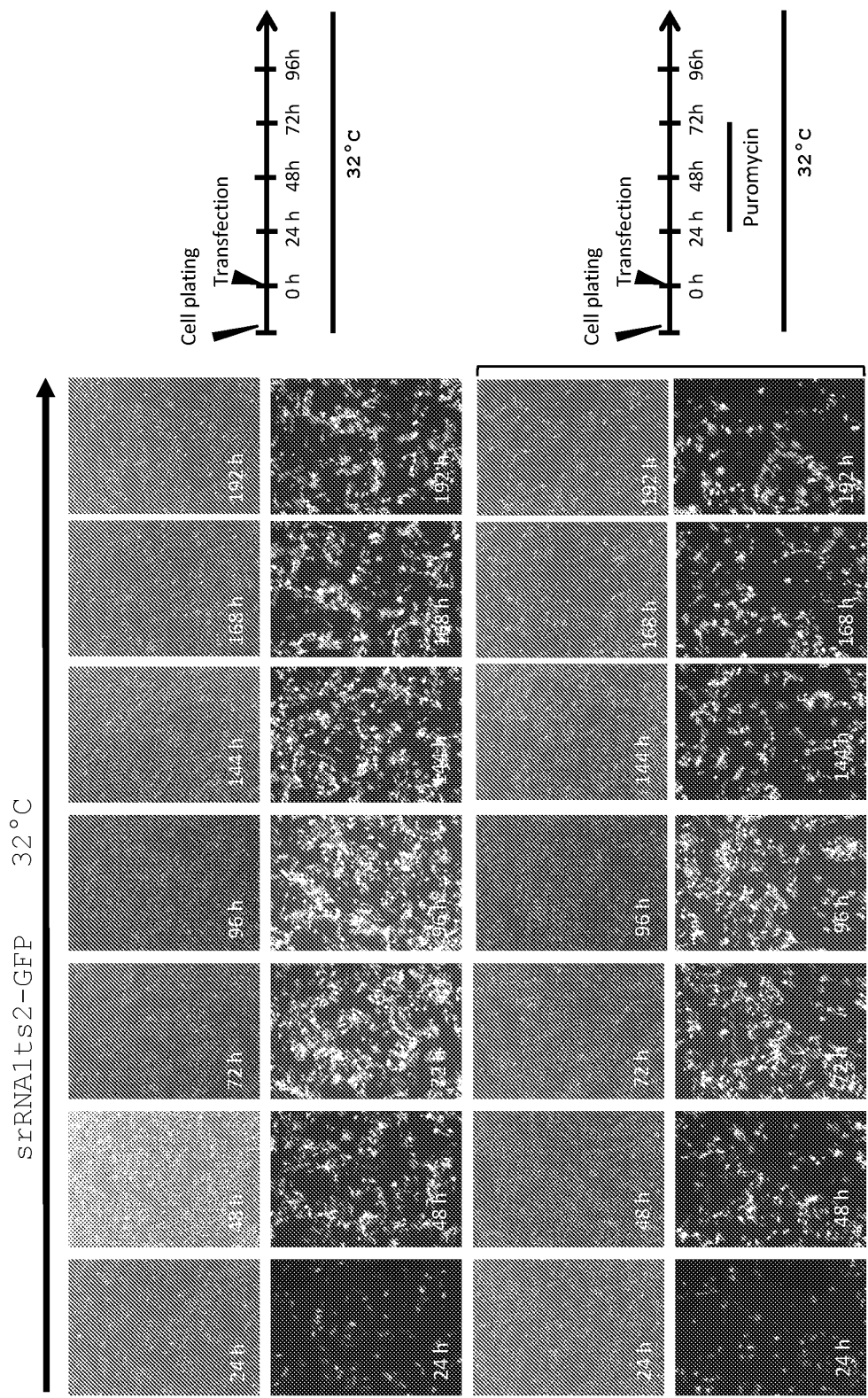


FIG. 7

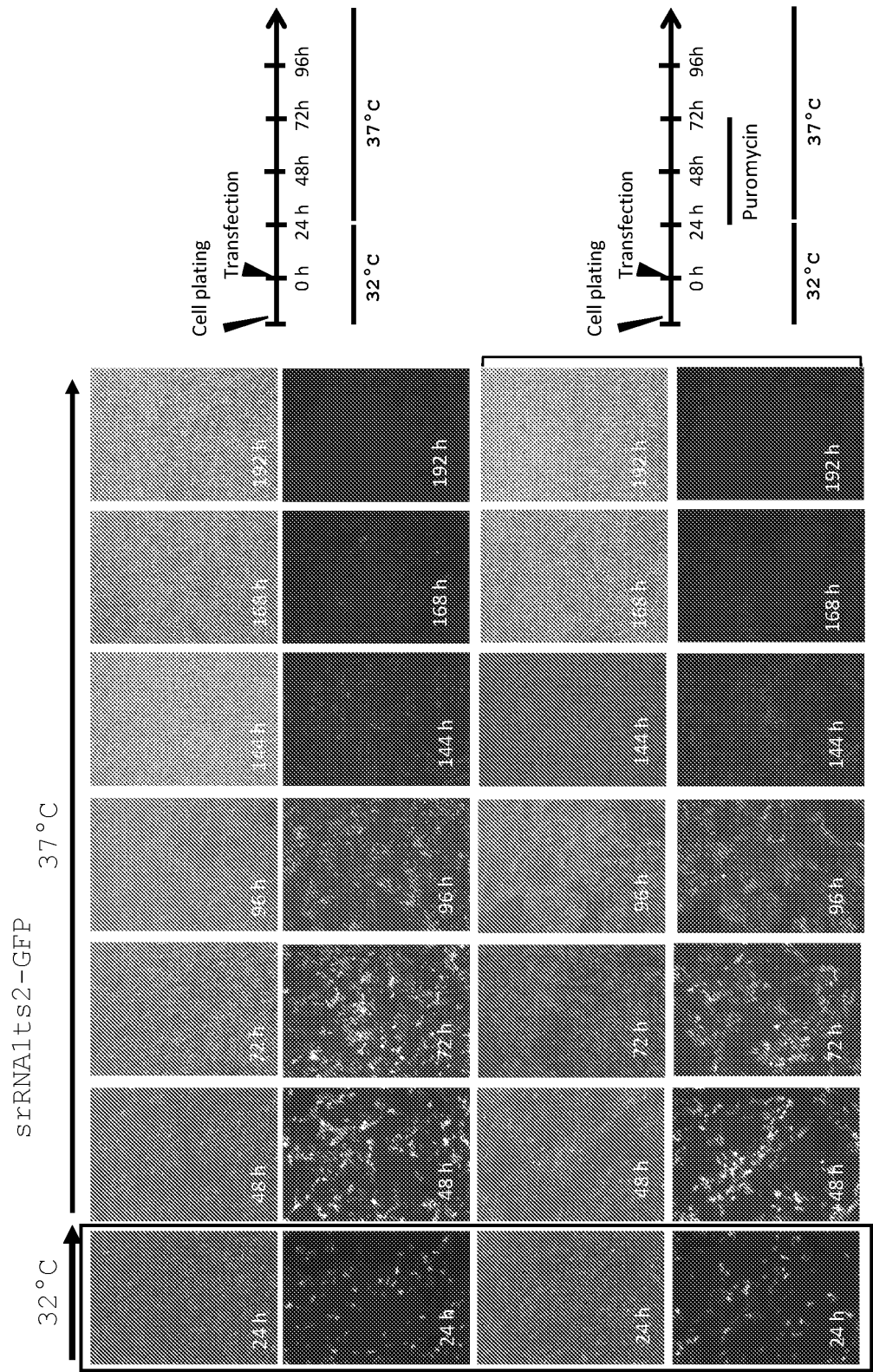


FIG. 8

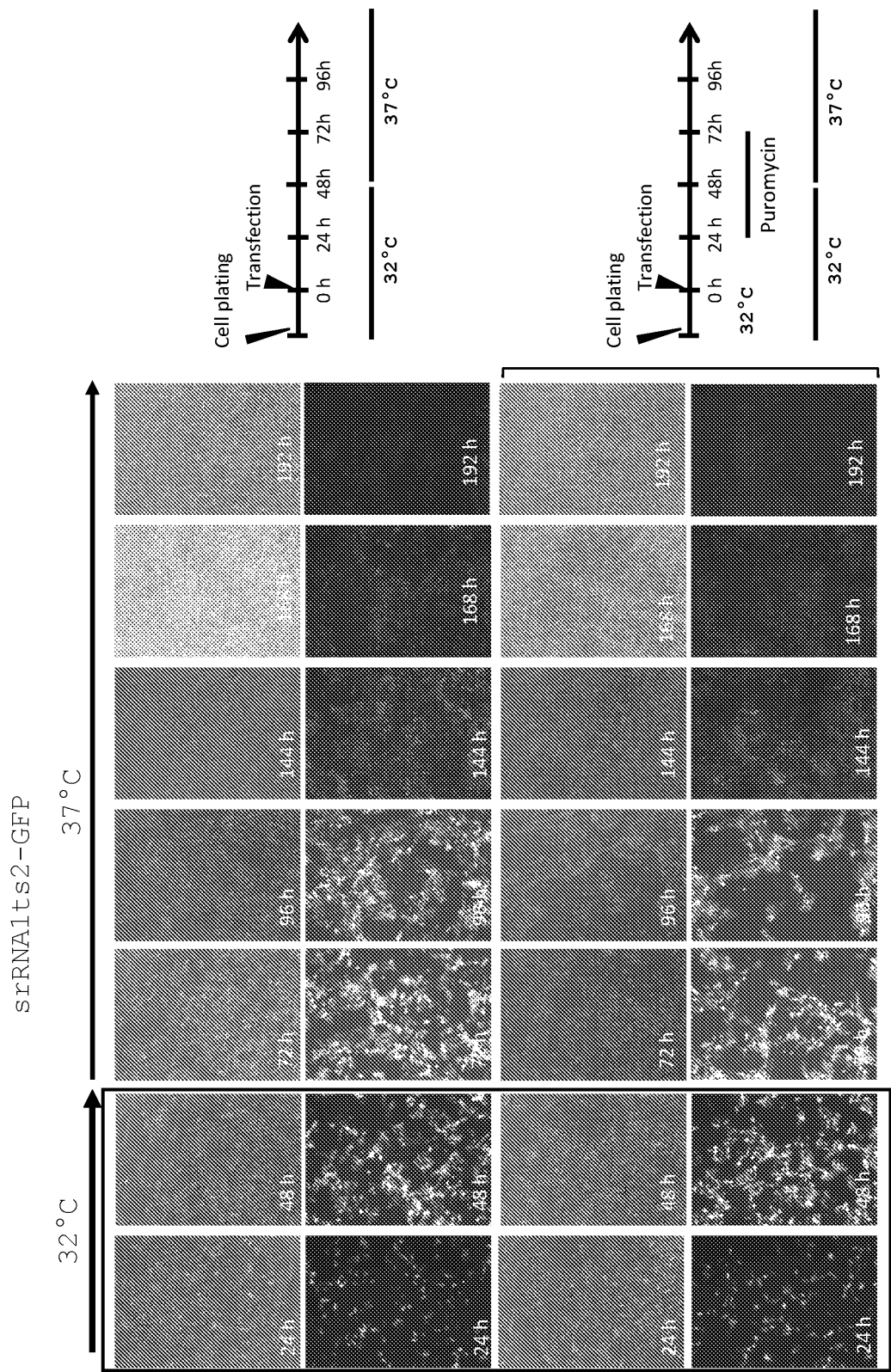


FIG. 9

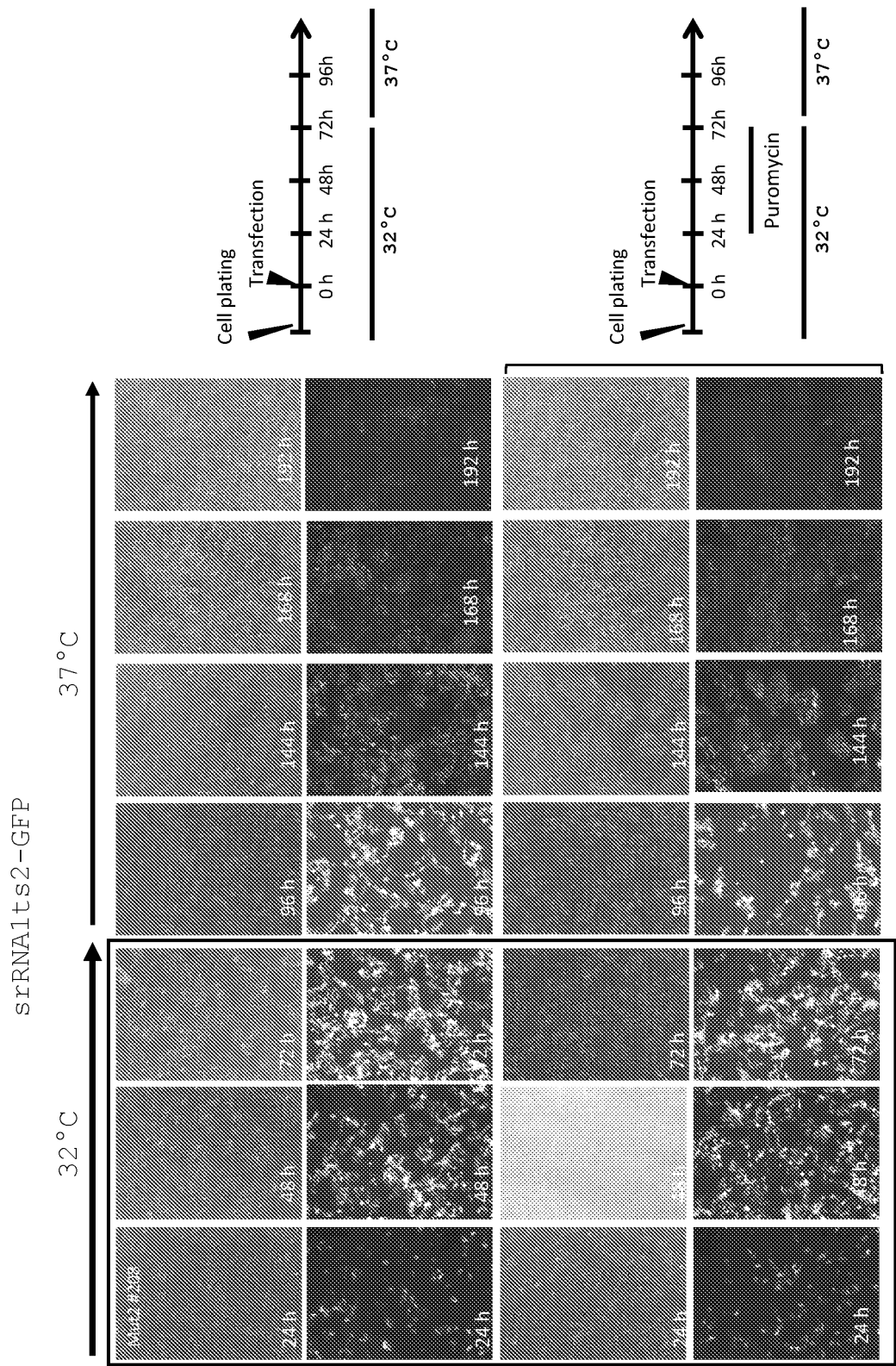
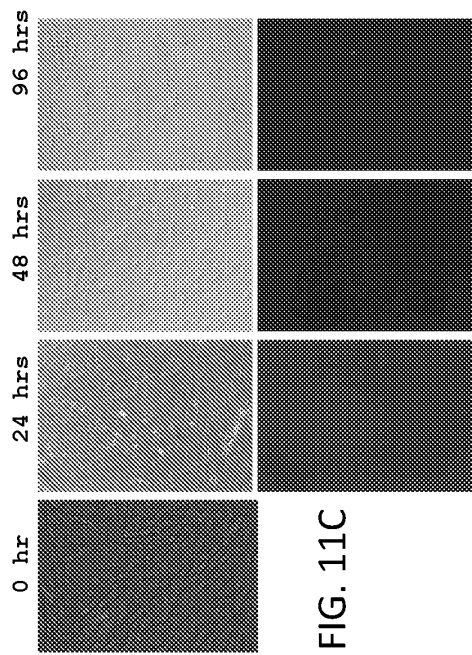
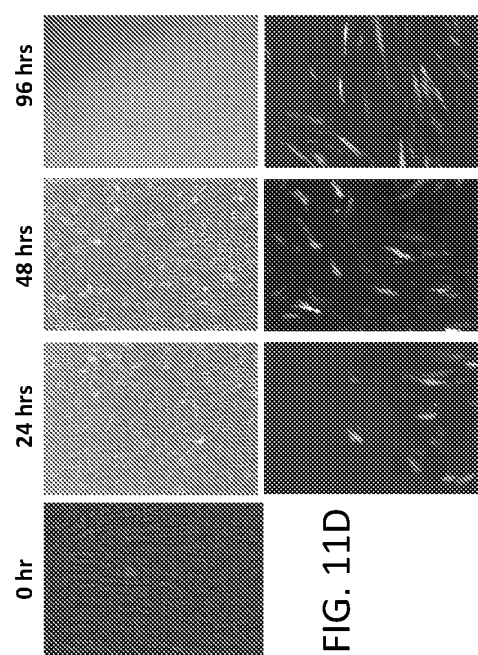
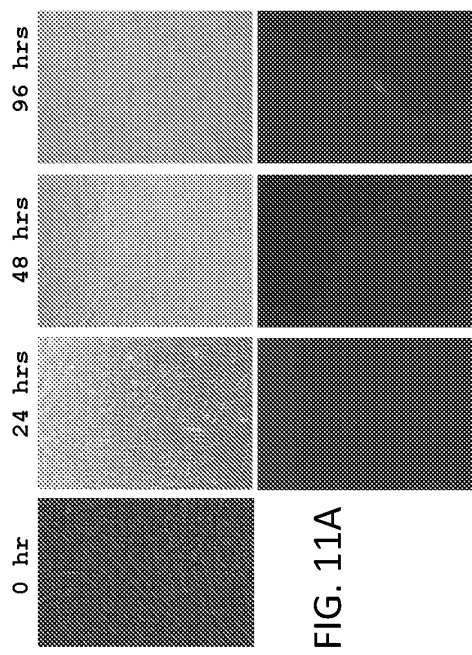
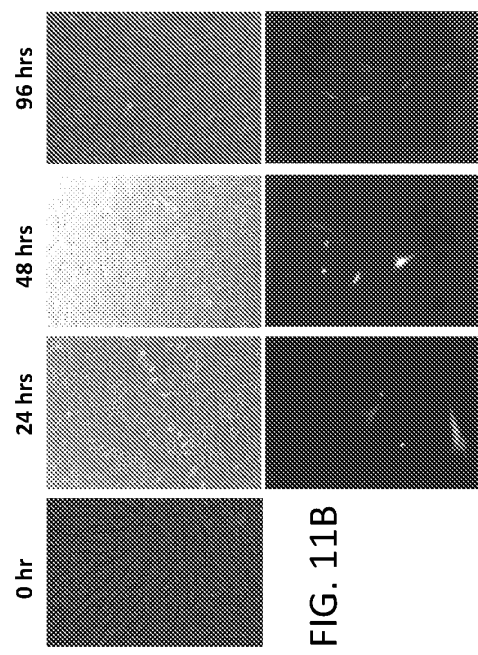
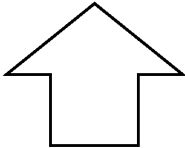


FIG. 10



	SEQ ID		SEQ ID
		NO:	NO:
VEEV	580	β5	GRVYDMN TGAAA TGTLRN 29
Aura		β6	GDQILPI TGAAA YGRVSV 30
WEEV		592	GRVADIR TGAAA NNNTIKD 31
BFV			GMQIVVT TGAAA EMRIQR 32
ONNV			NKQICIT TGAAA TRKVDE 33
RRV			GLQVNV P T GAAA ERKVQP 34
SFV			GKQAVIA TGAAA ERKIQP 35
SINV			GTQLDLQ TGAAA TGRTRV 36



* * * *

FIG. 12

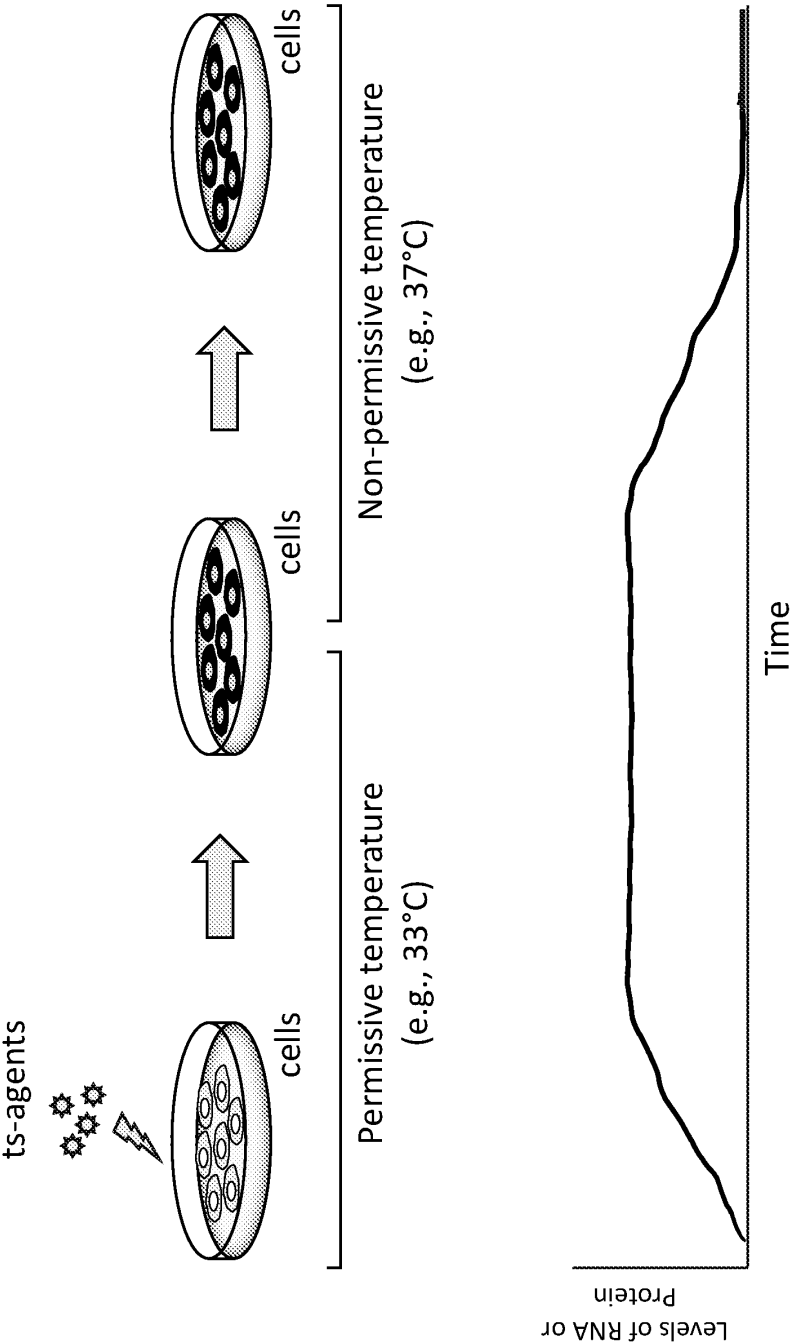


FIG. 13

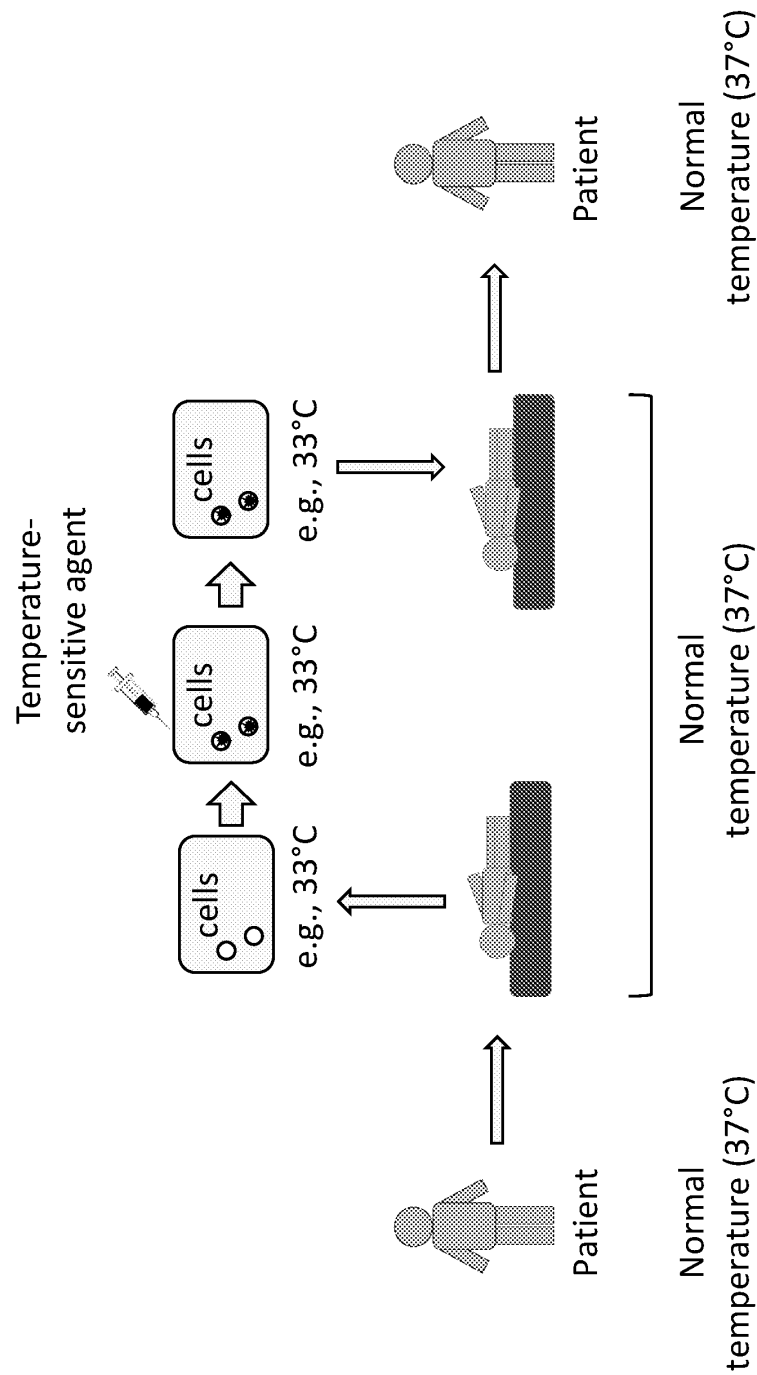


FIG. 14

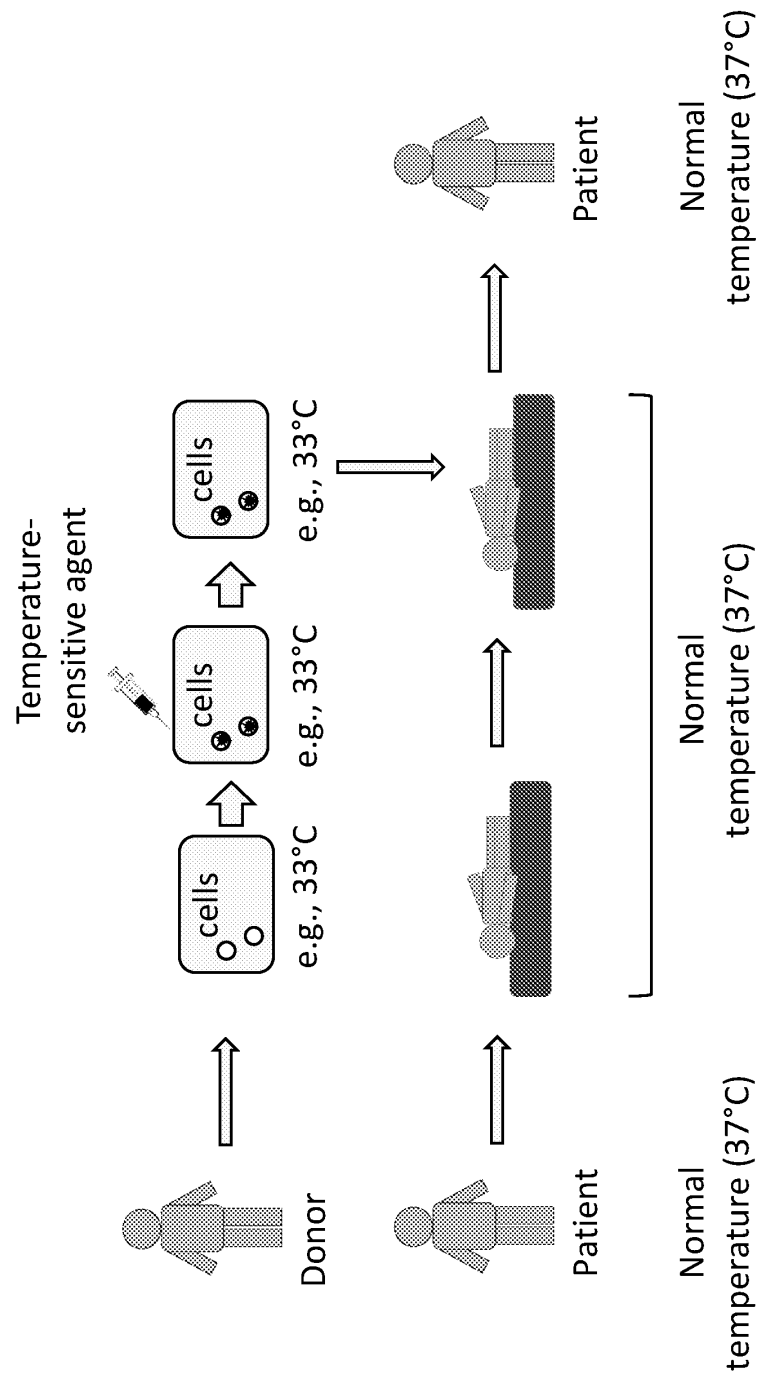


FIG. 15

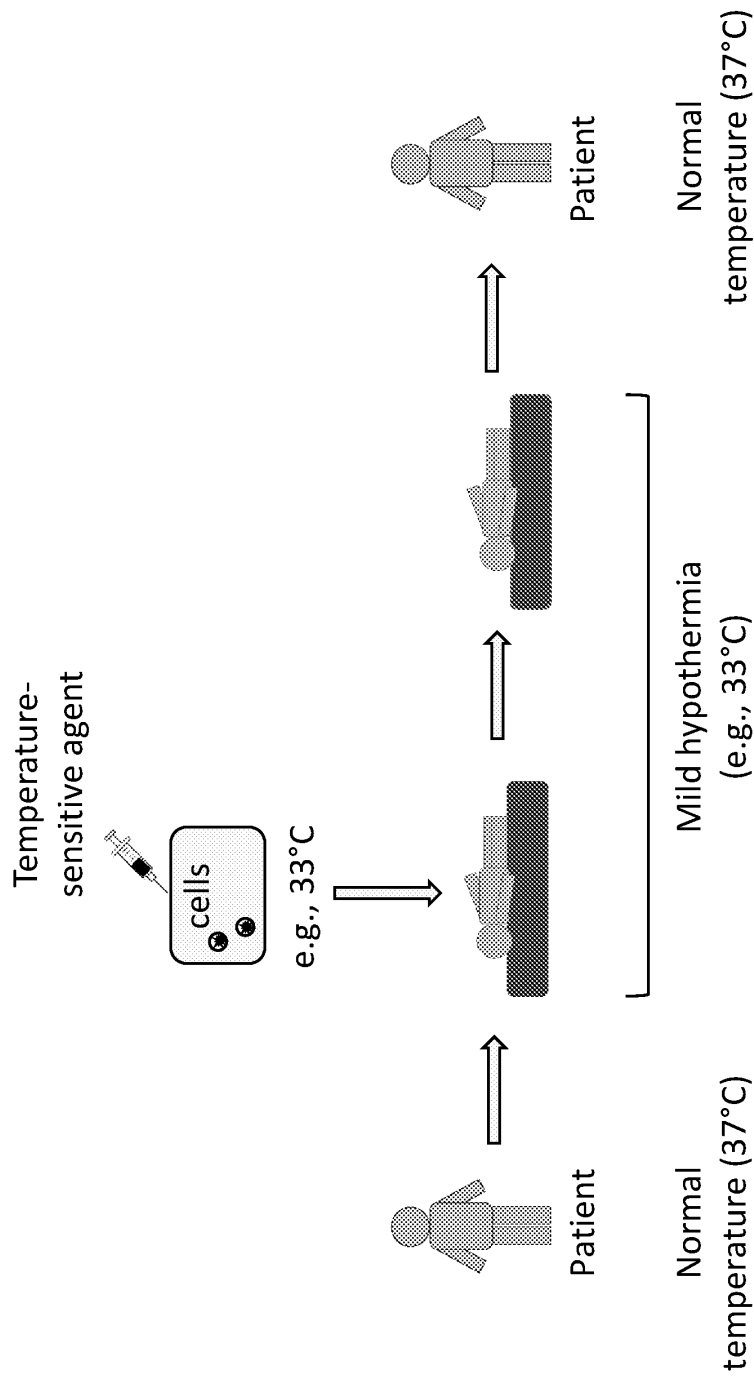


FIG. 16

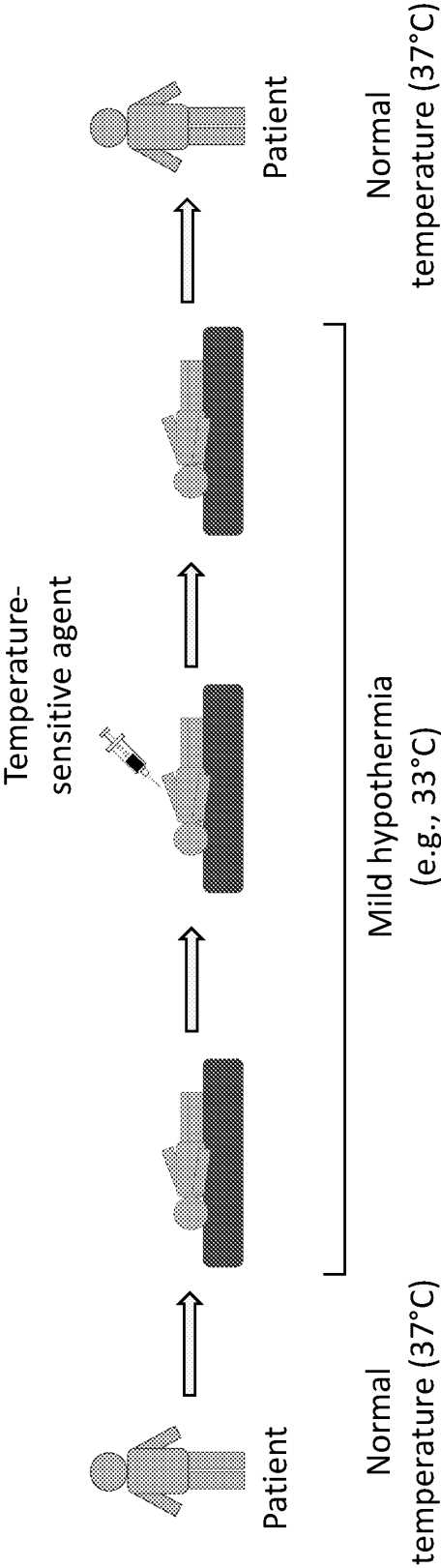


FIG. 17

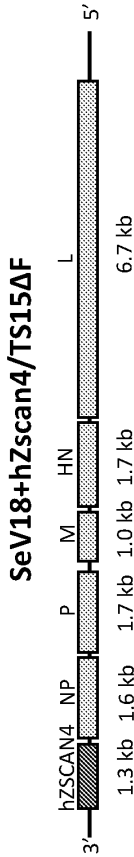


FIG. 18

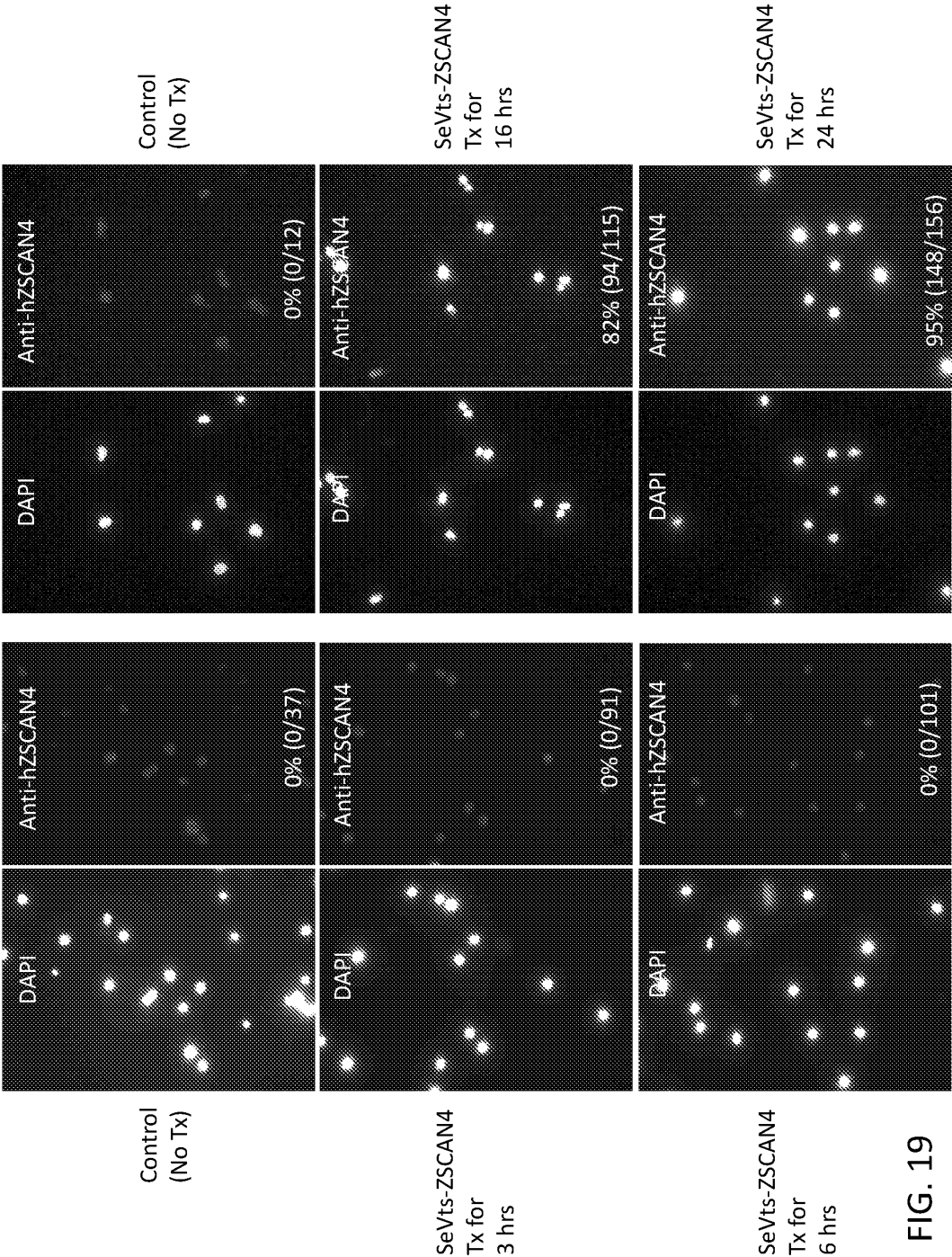


FIG. 19

FIG. 20A

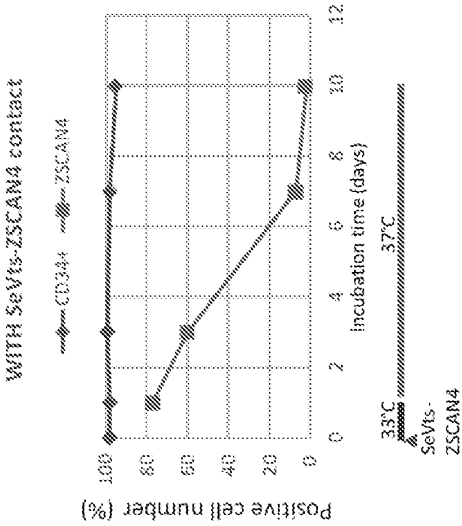
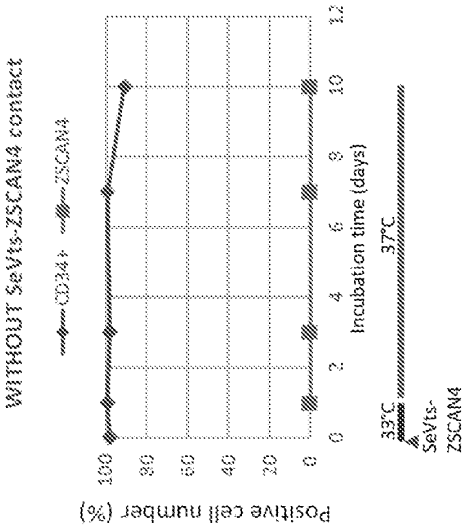


FIG. 20B



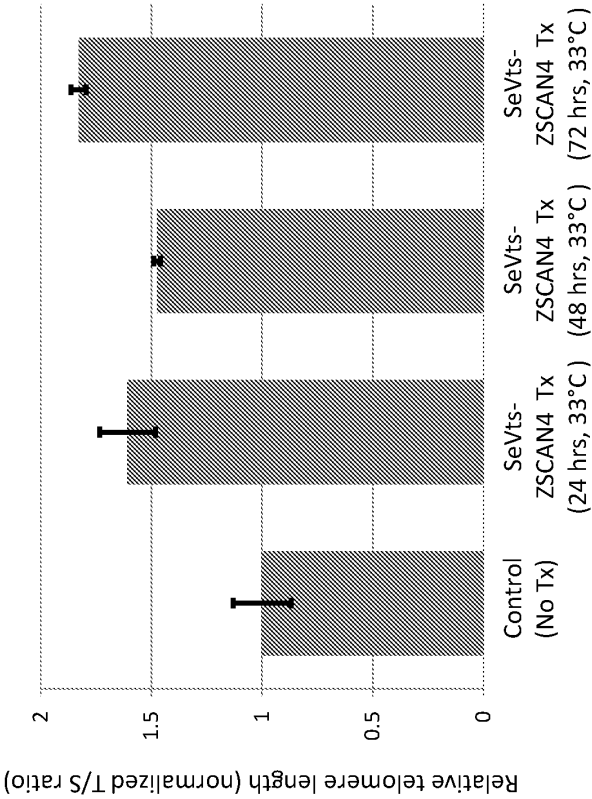


FIG. 21

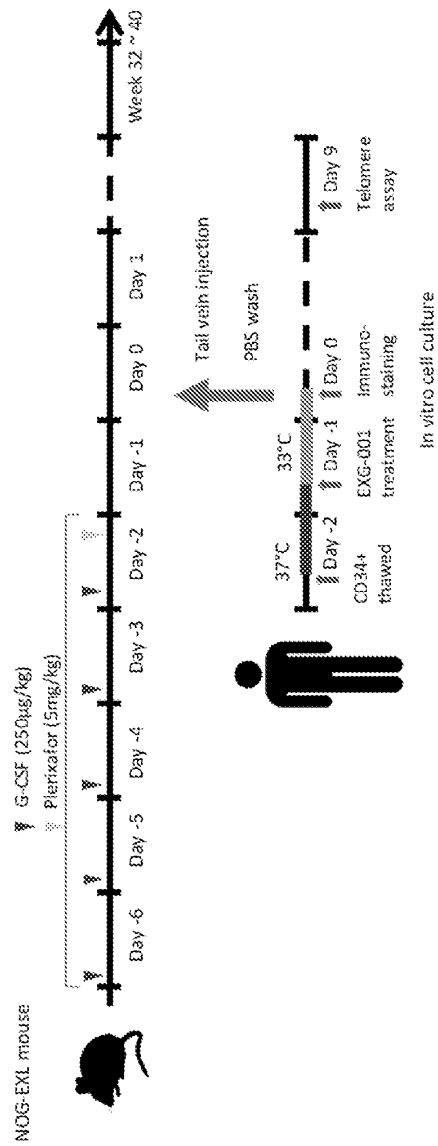


FIG. 22

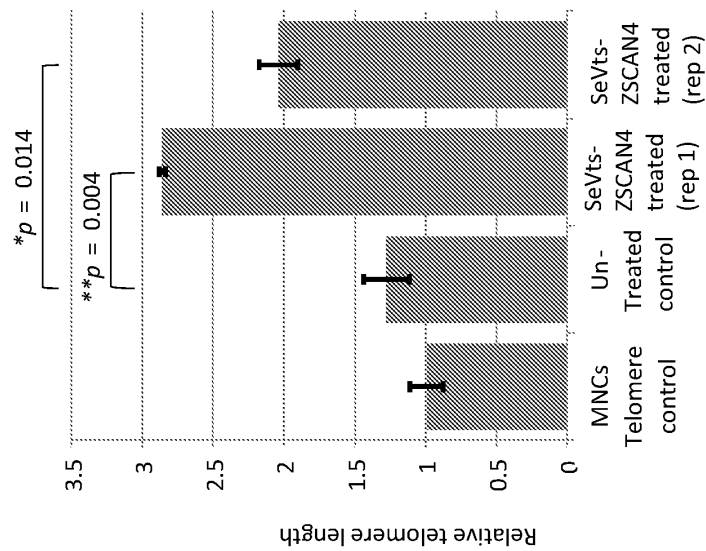


FIG. 23

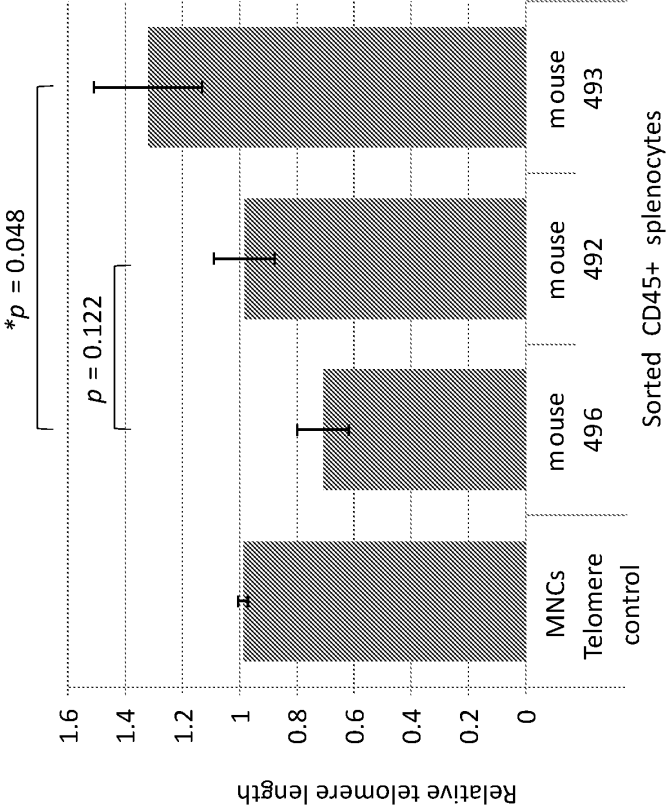


FIG. 24

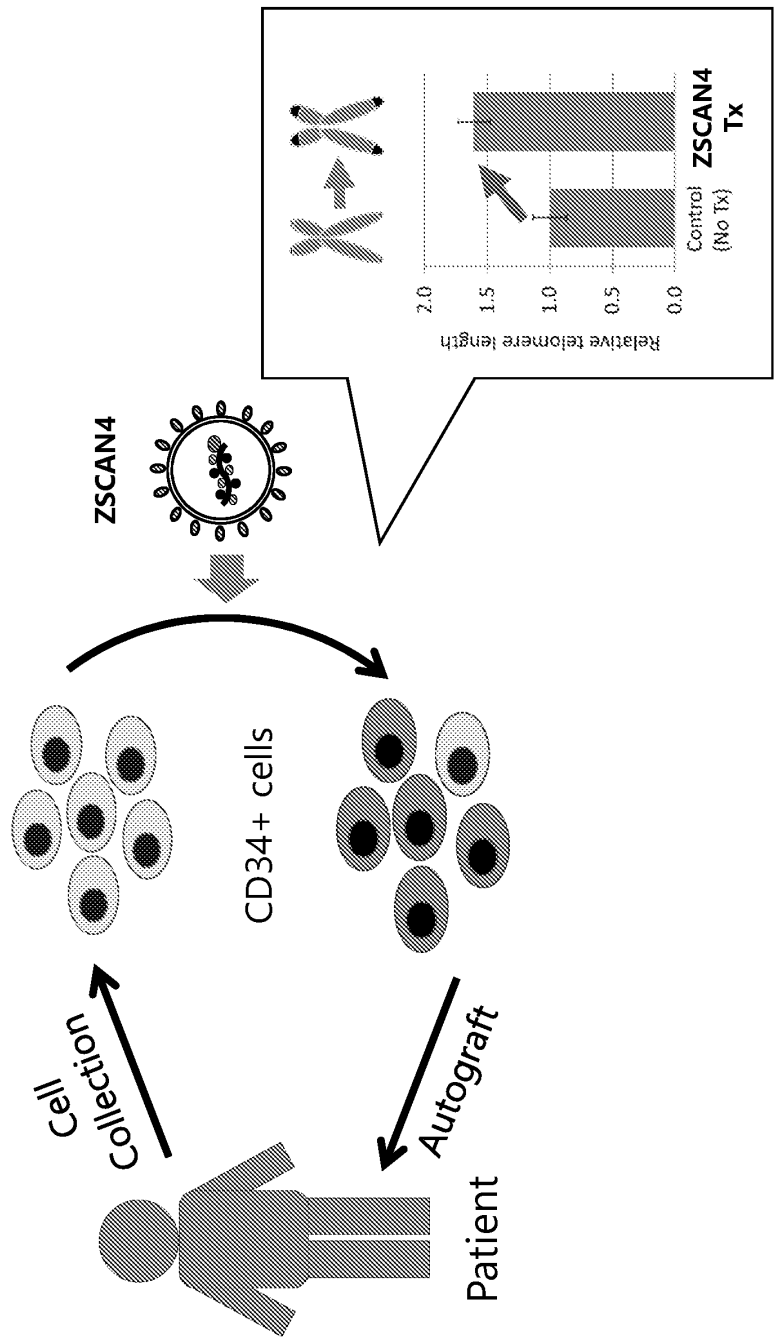


FIG. 25

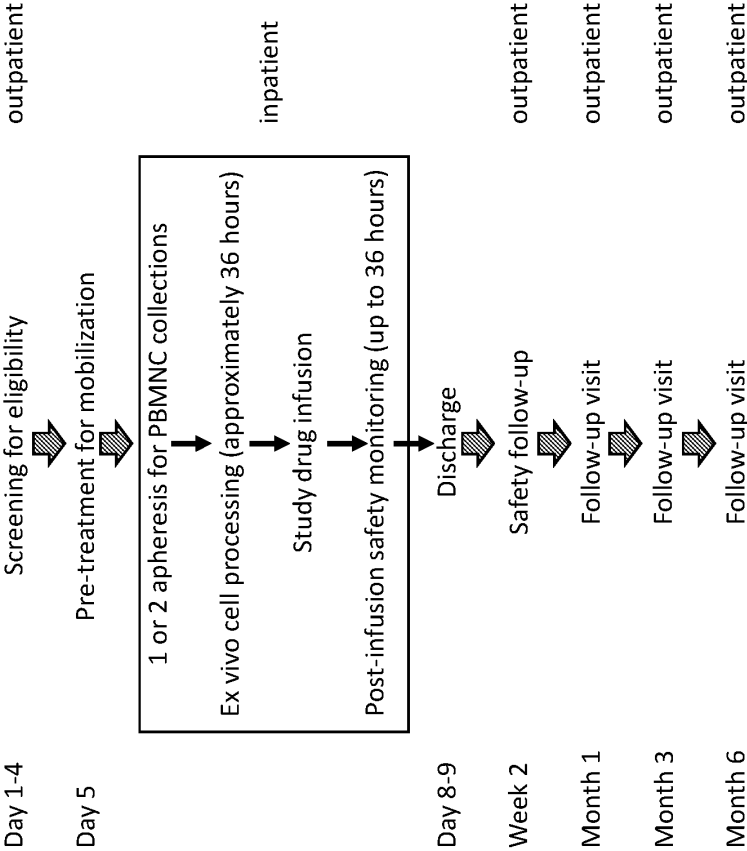


FIG. 26

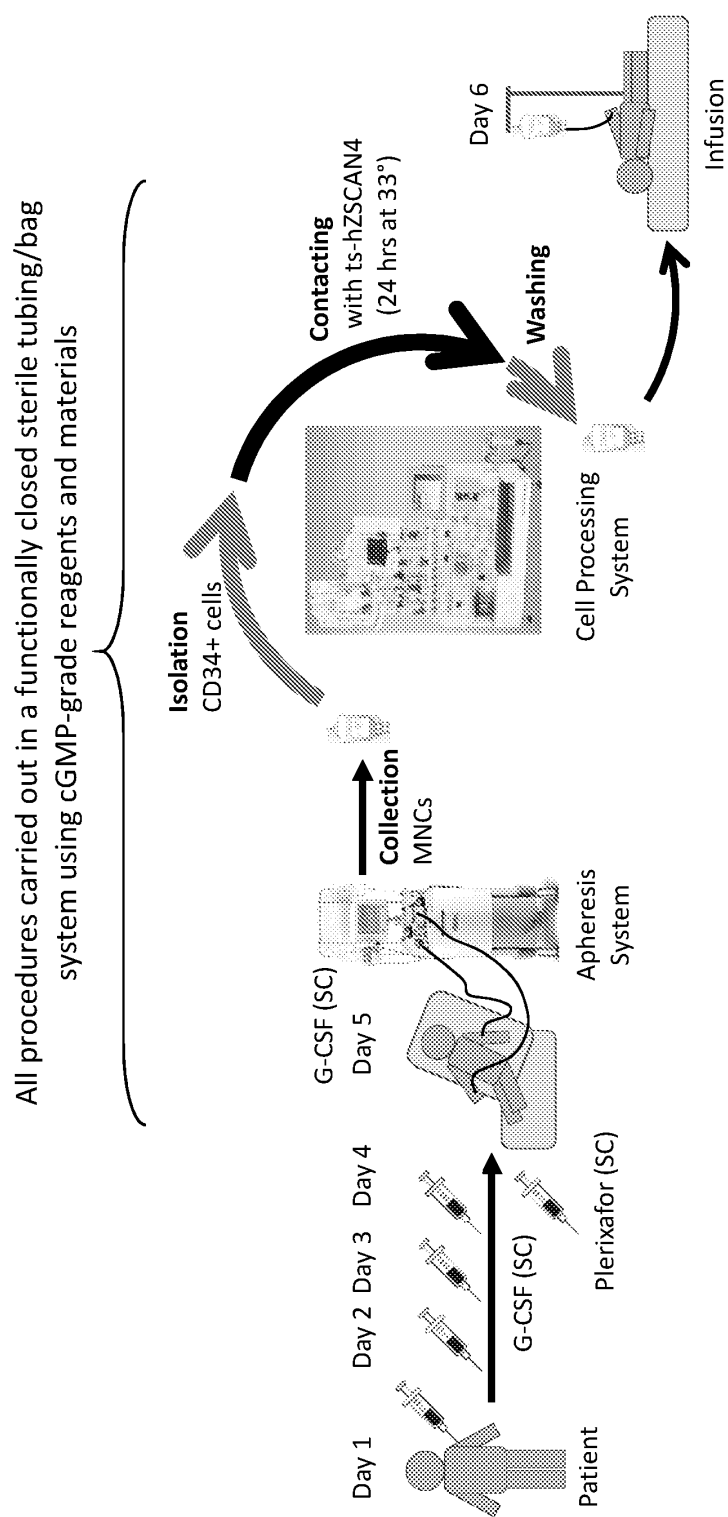


FIG. 27

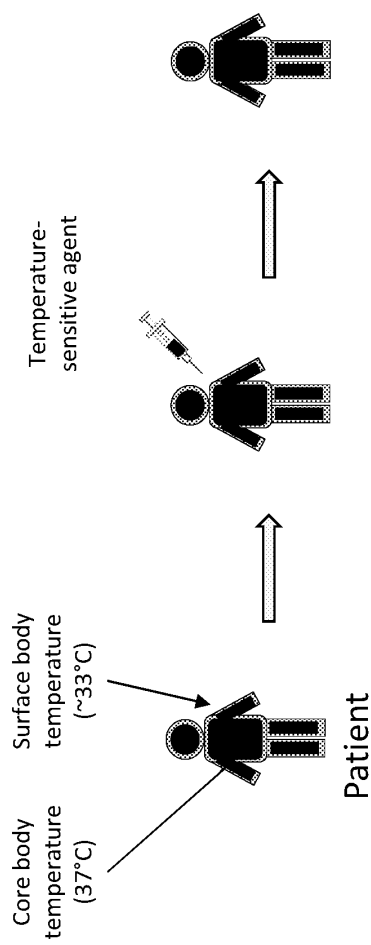


FIG. 28

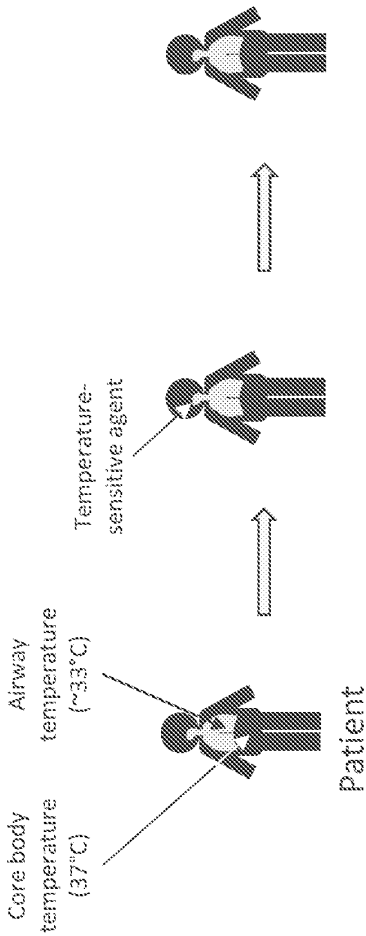


FIG. 29