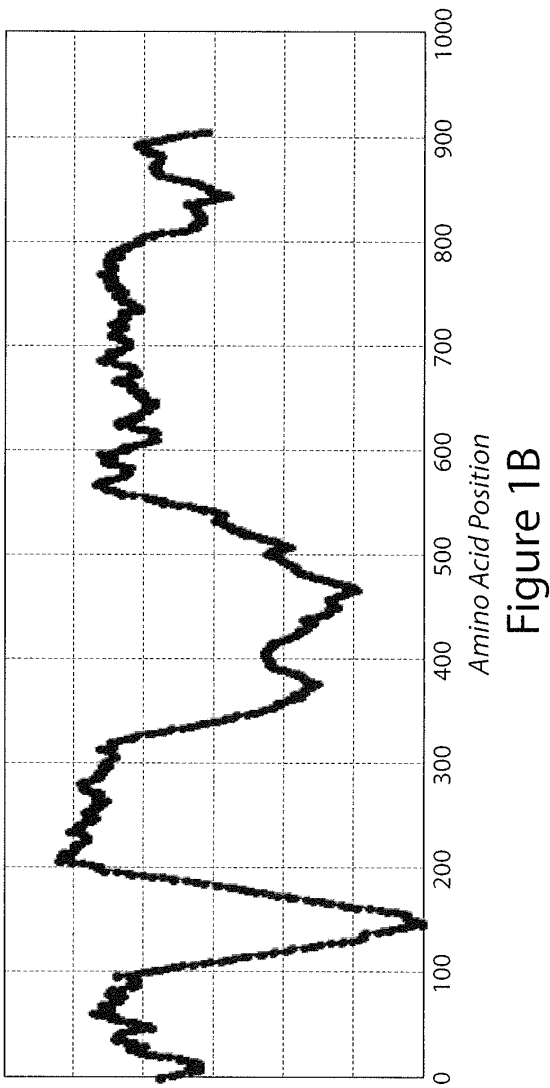
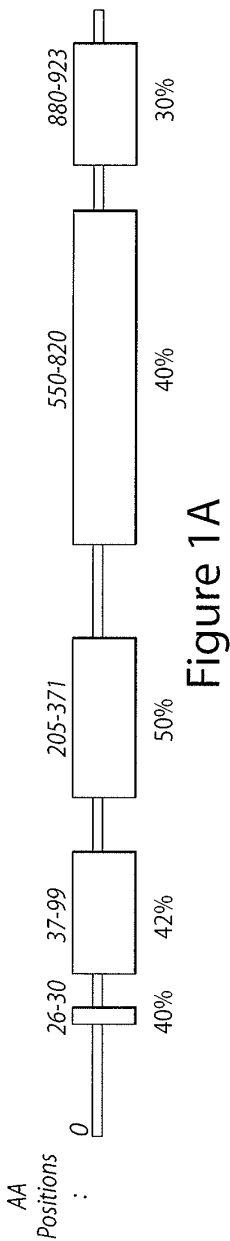




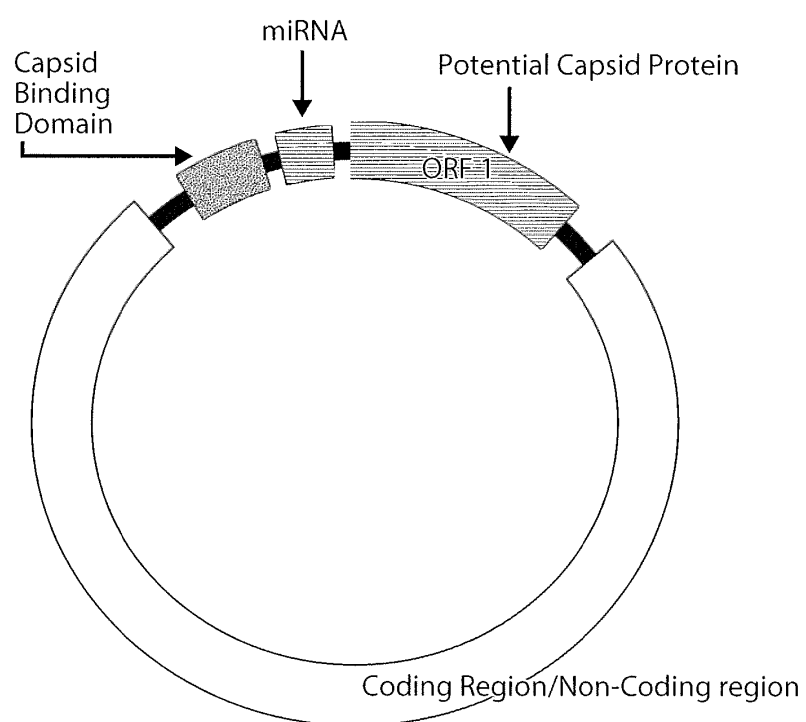
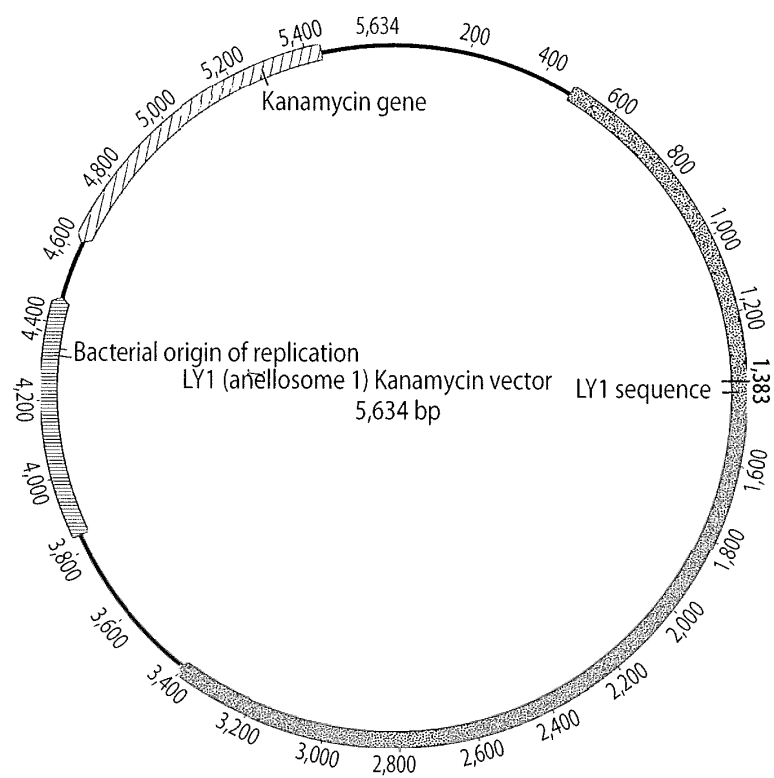
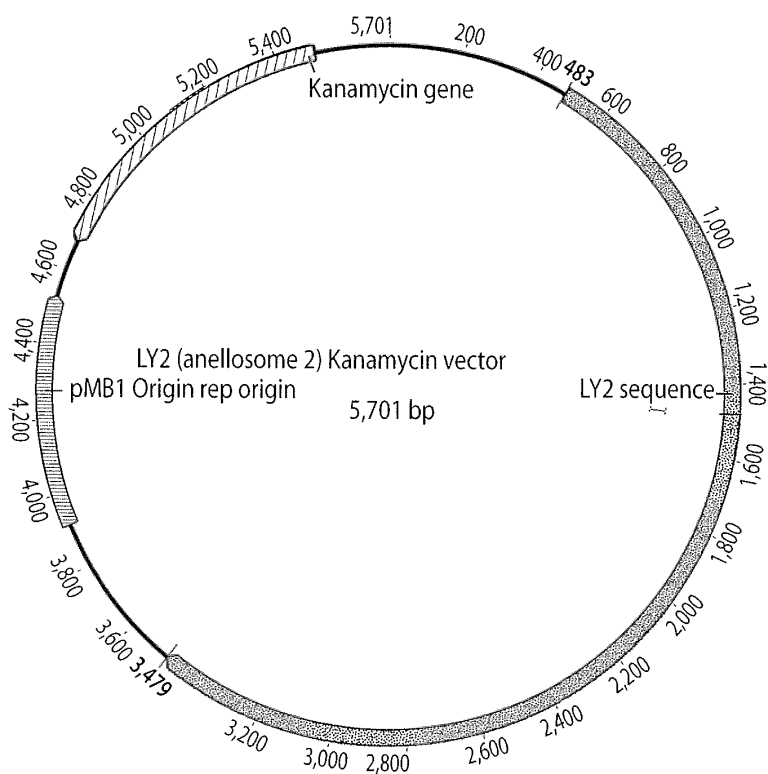


Figure 2



Schematic of the kanamycin vector encoding the LY1 strain of TTMiniV
(Anellovirus 1)

Figure 3



Schematic of the kanamycin vector encoding the LY2 strain of TTMiniV
(Anellosome 2)

Figure 4

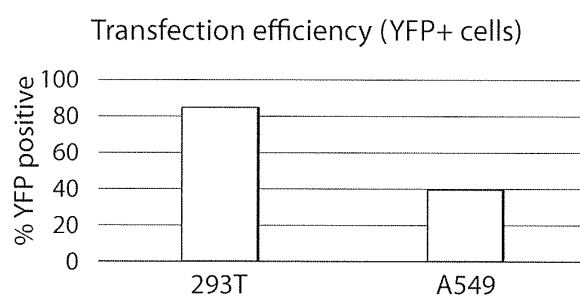


Figure 5

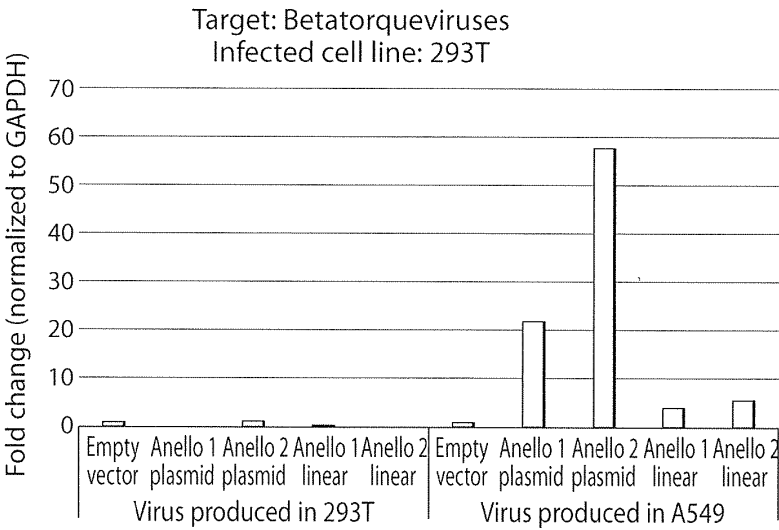


Figure 6A

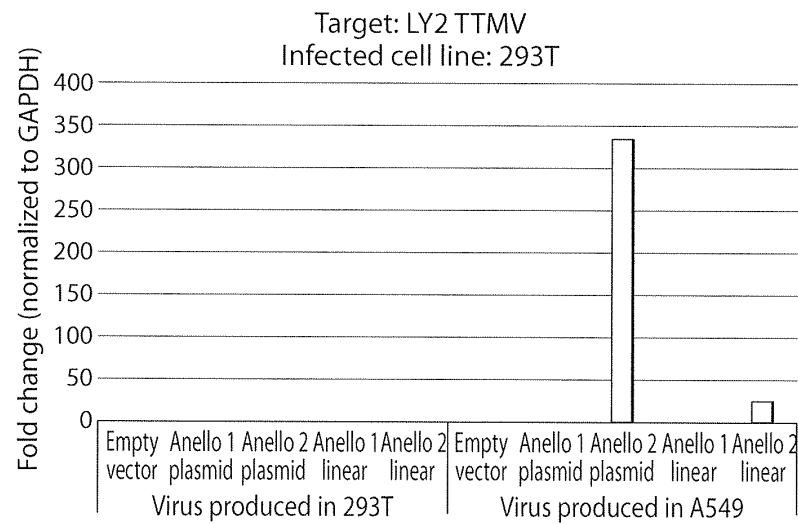


Figure 6B

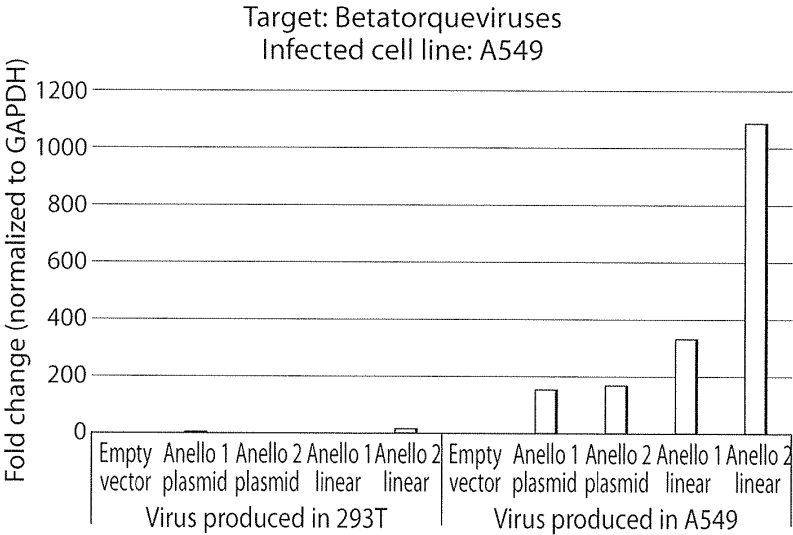


Figure 7A

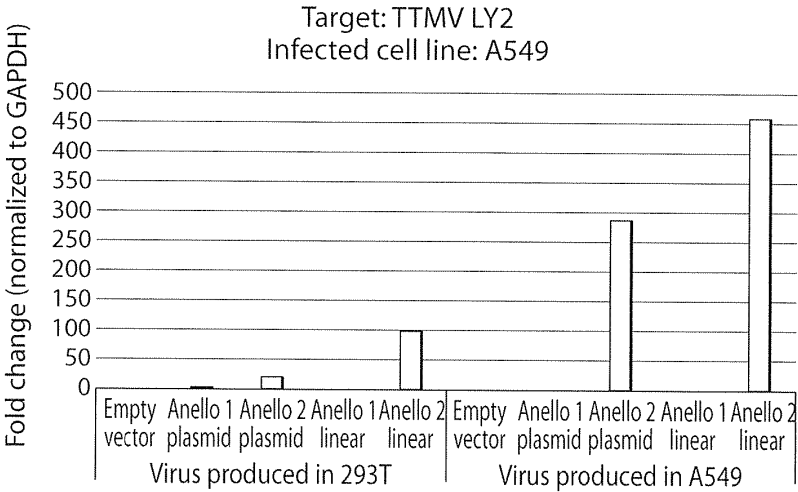


Figure 7B

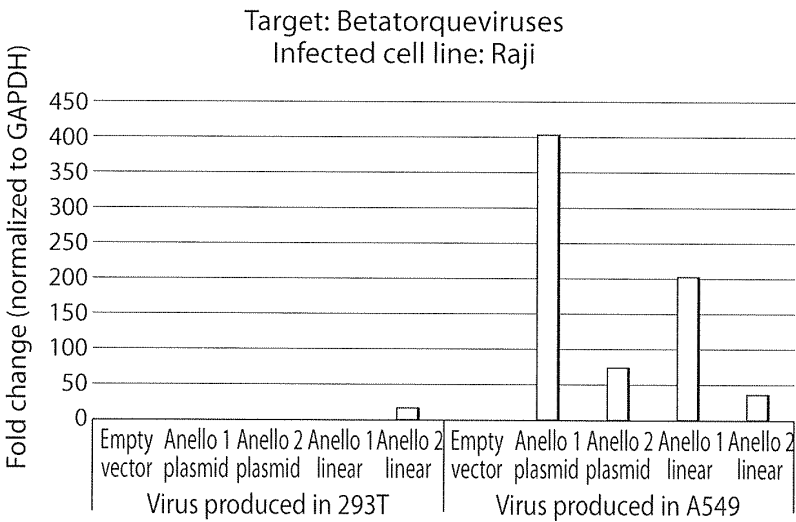


Figure 8A

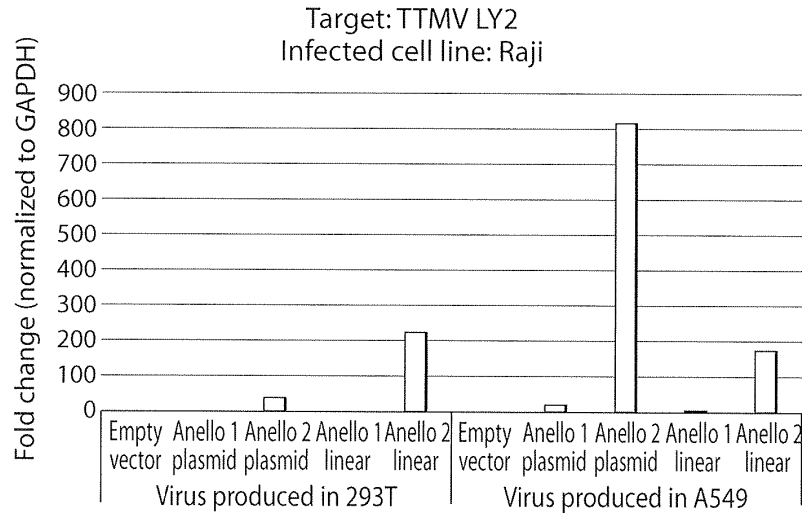


Figure 8B

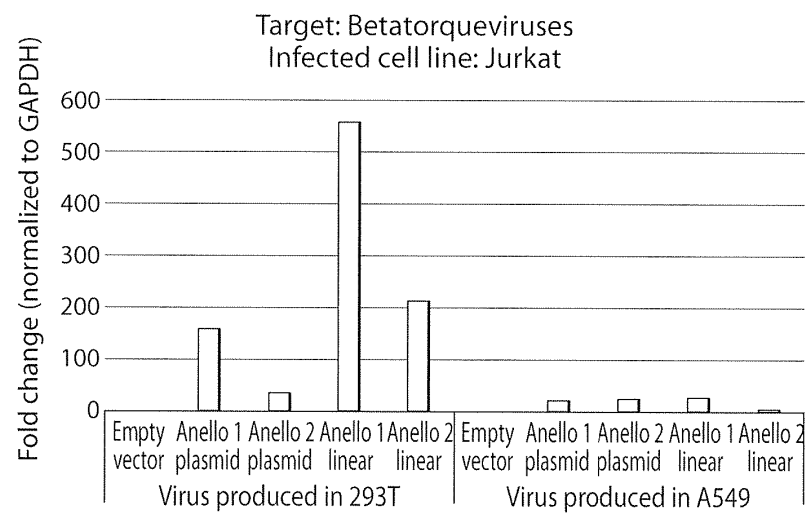


Figure 9A

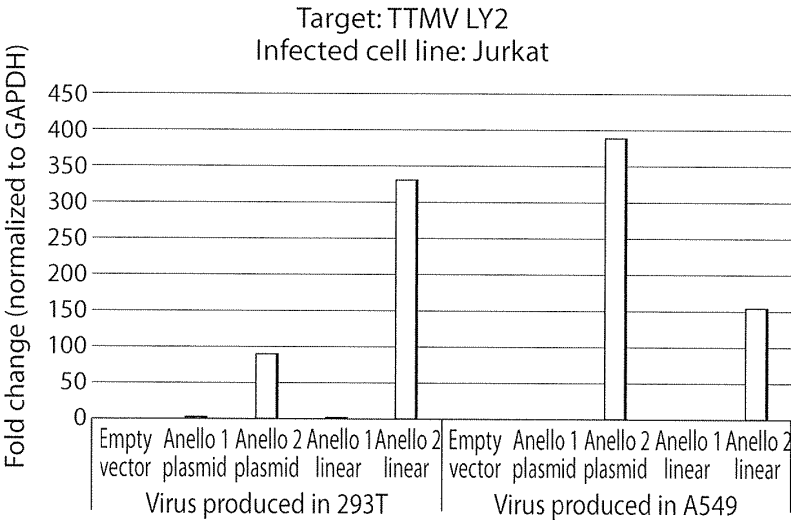


Figure 9B

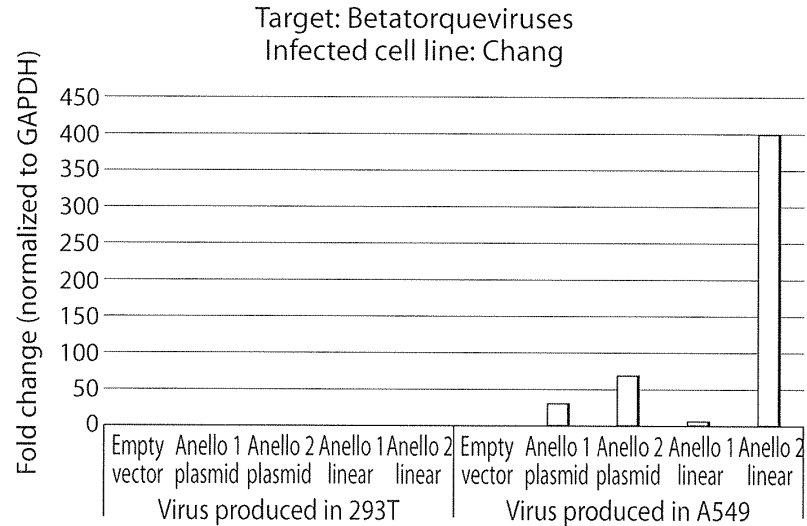


Figure 10A

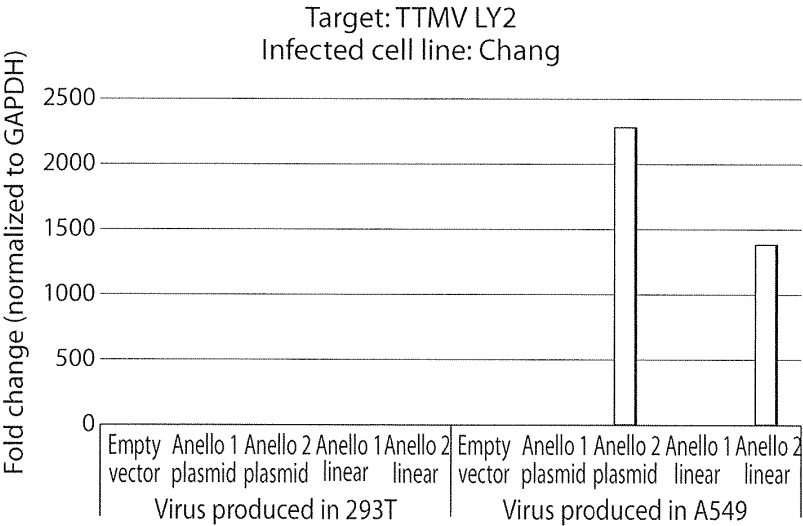


Figure 10B

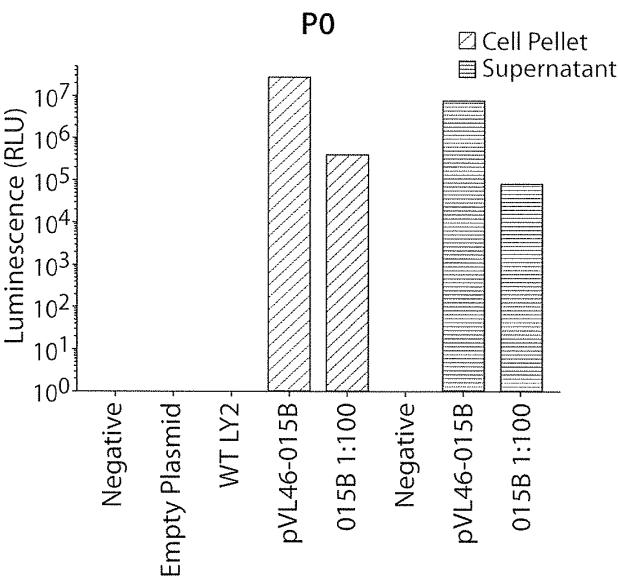


Figure 11A

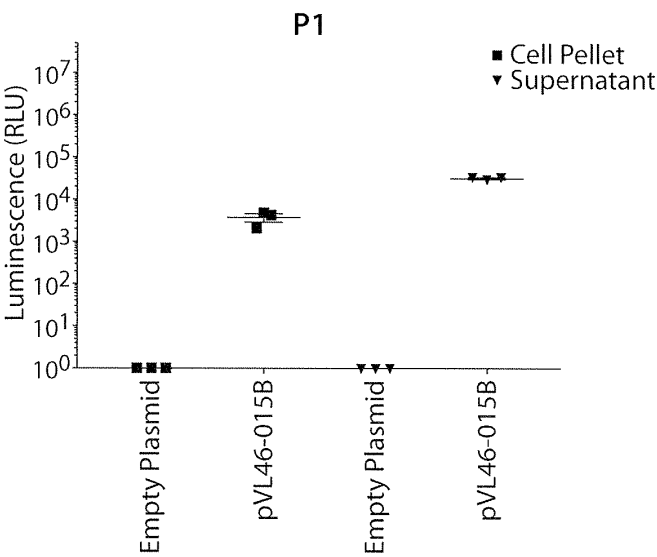
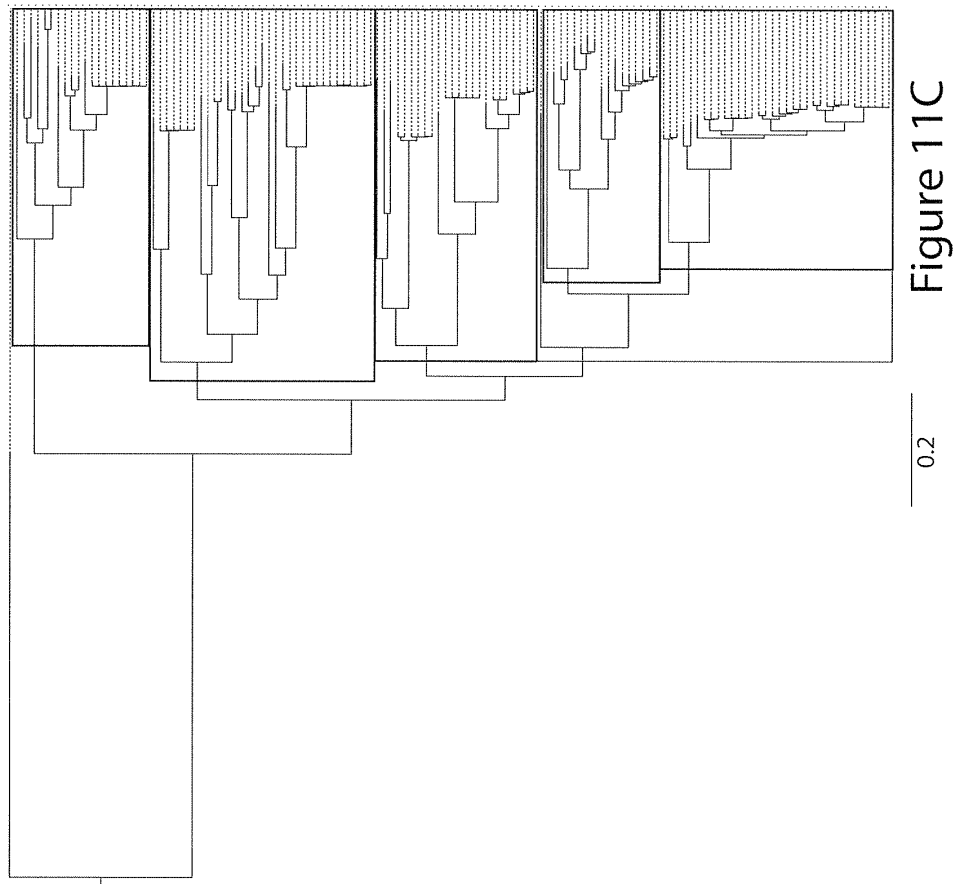


Figure 11B



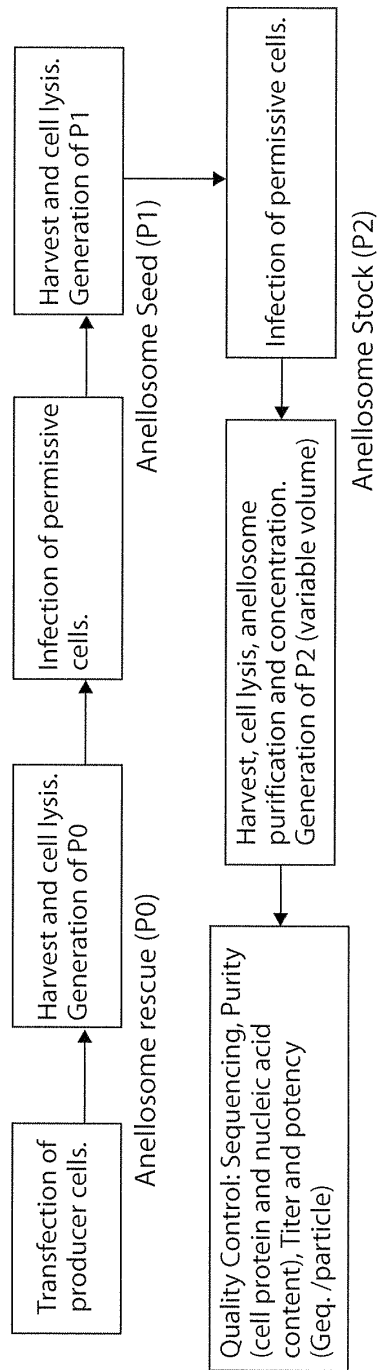


Figure 12

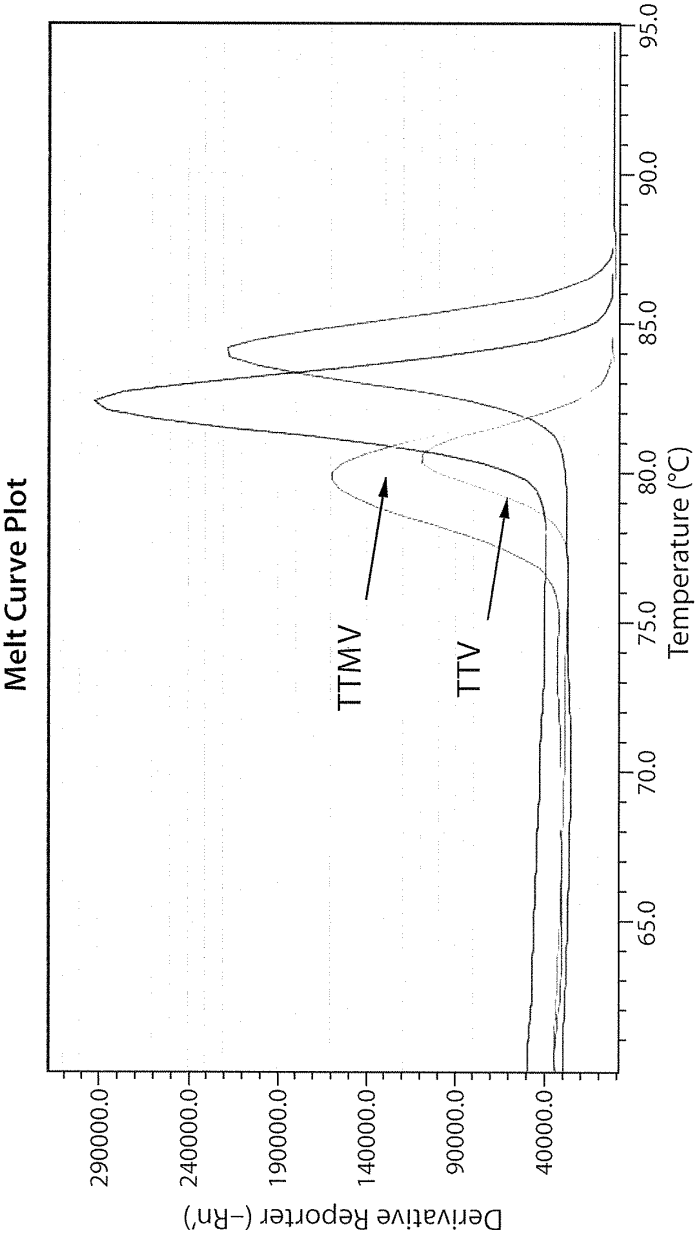


Figure 13

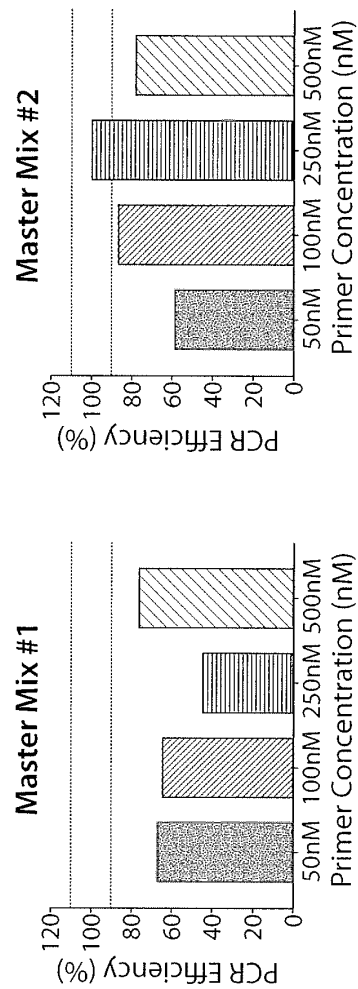
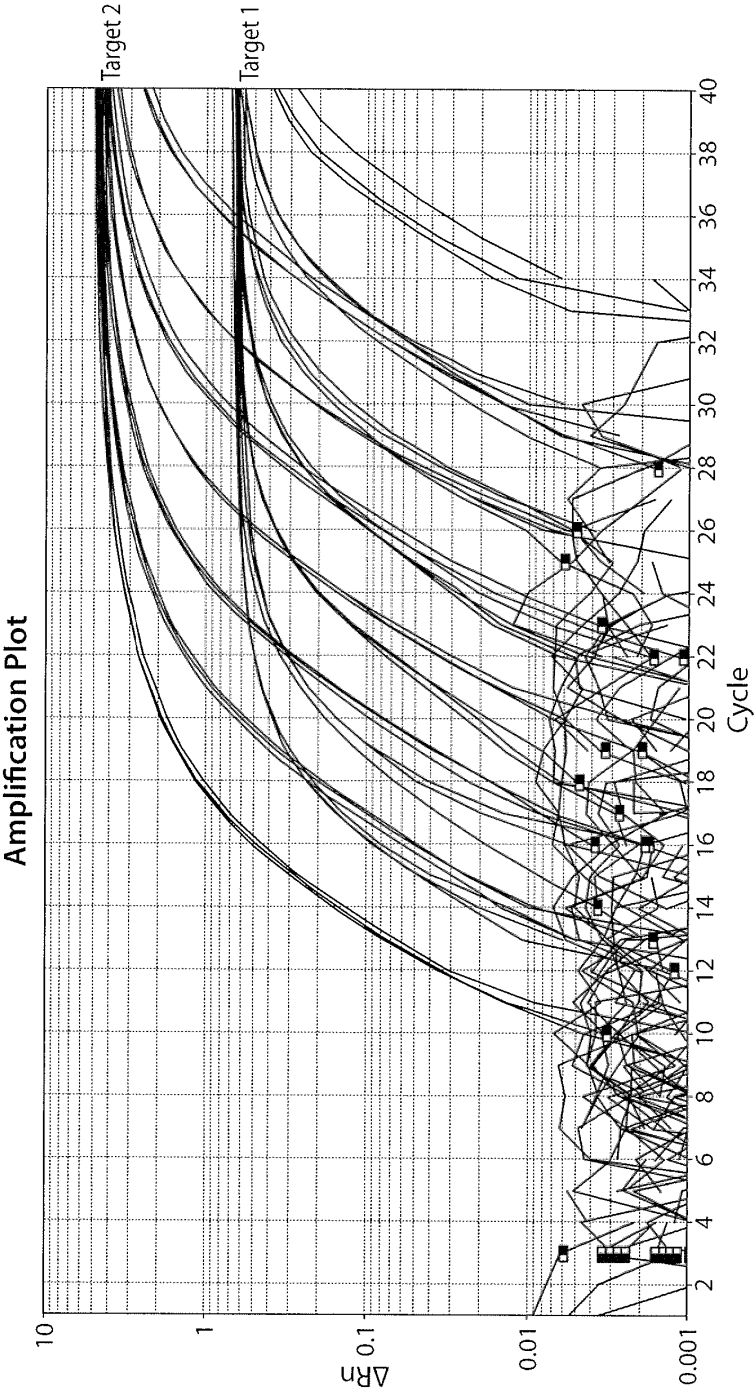


Figure 14



Target 1 : TTMV. Target 2: TTV.

Figure 15

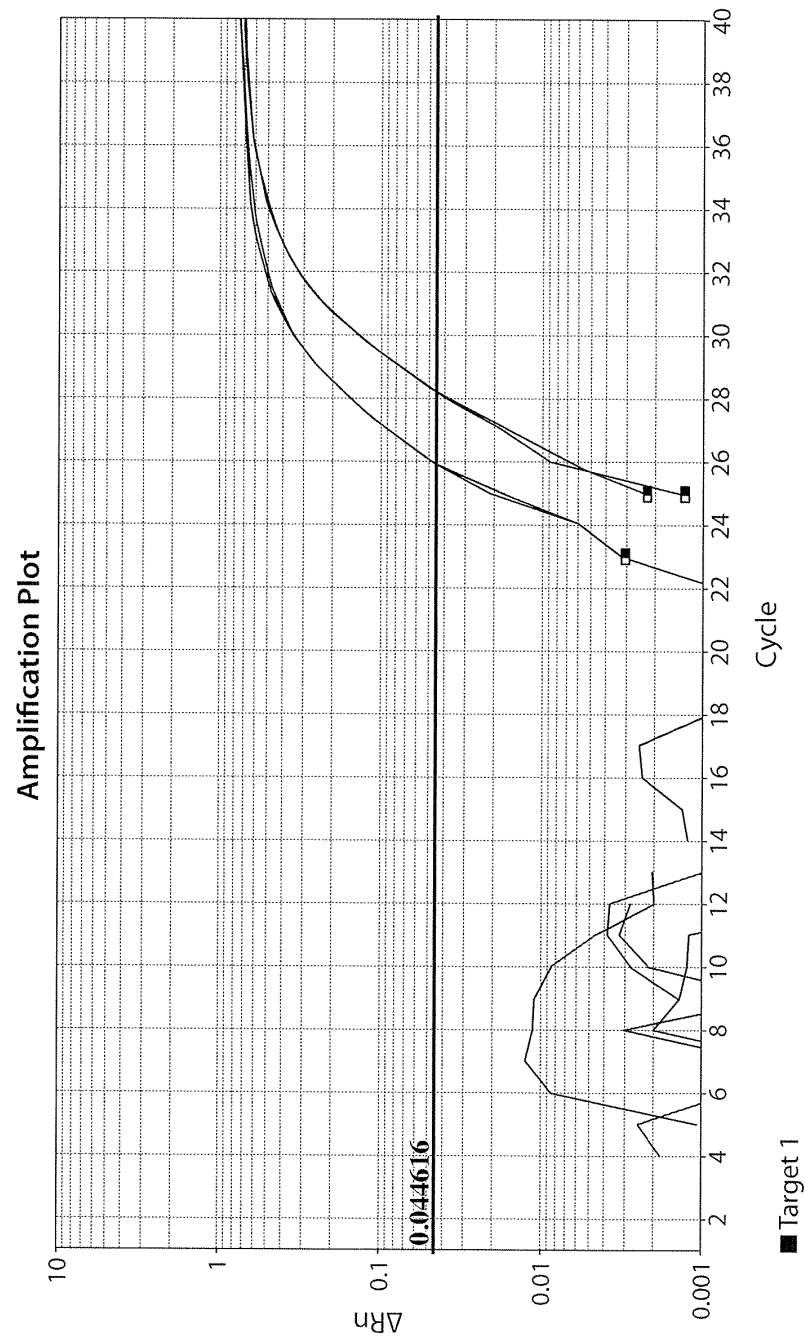


Figure 16A

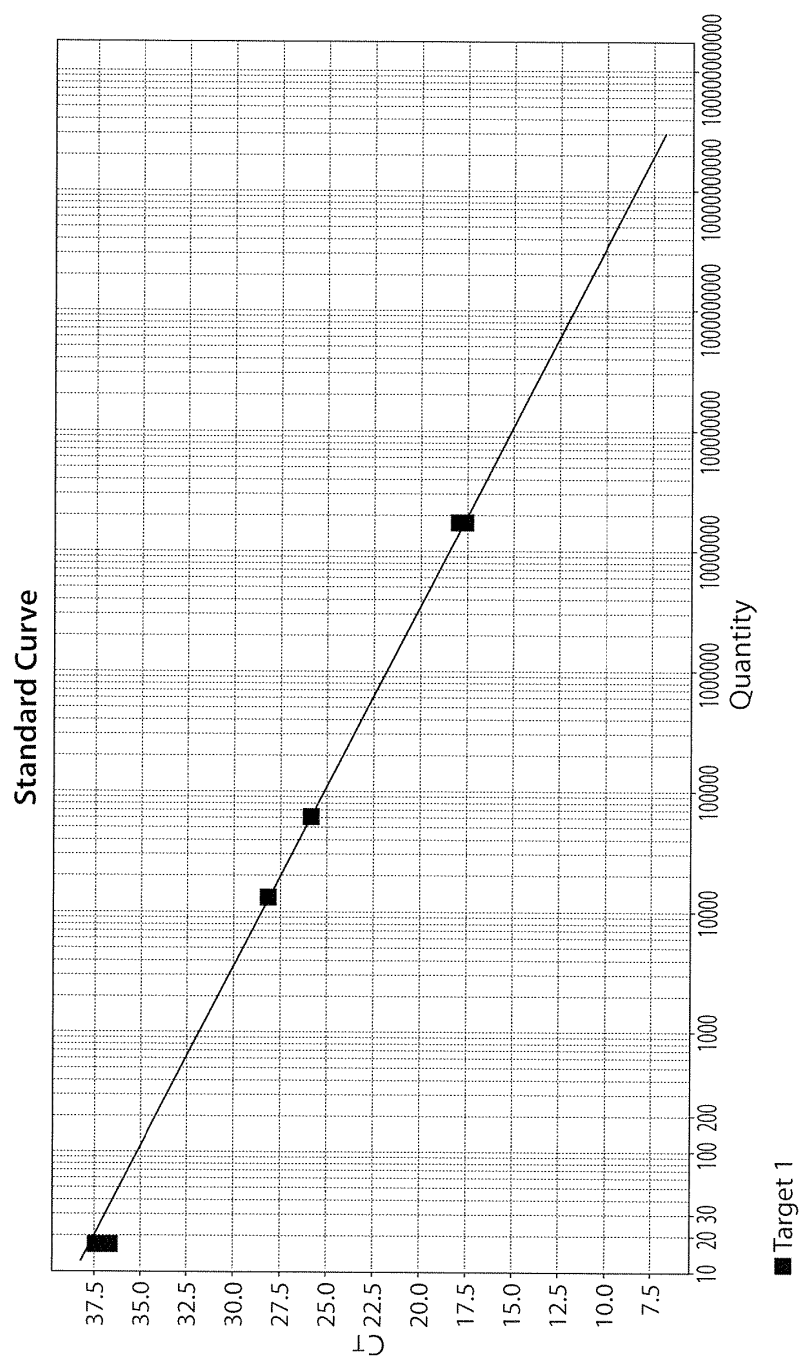


Figure 16B

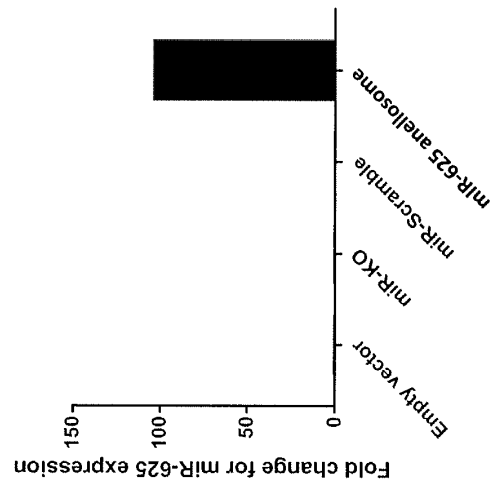


FIGURE 17

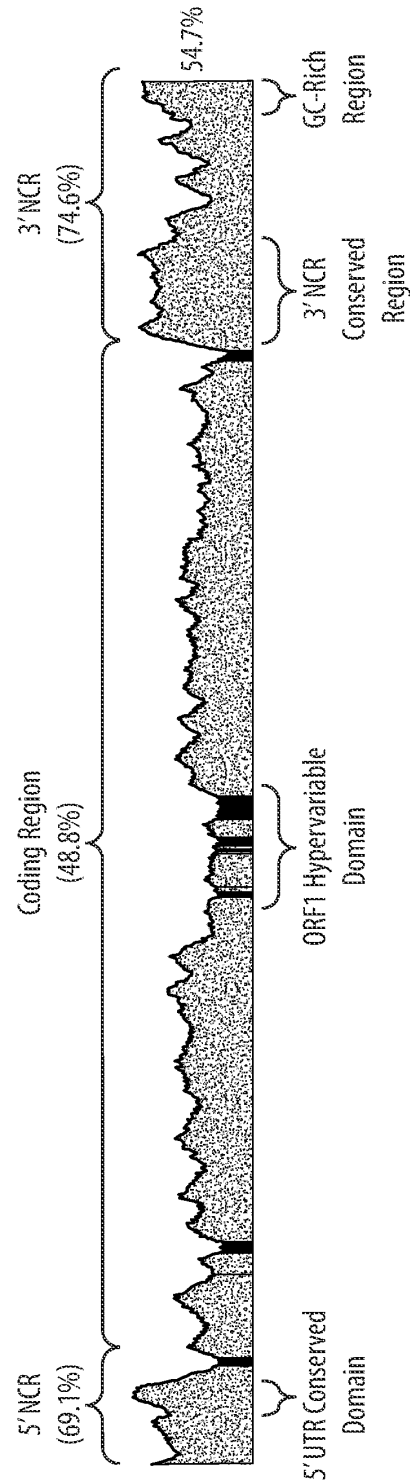


FIGURE 18

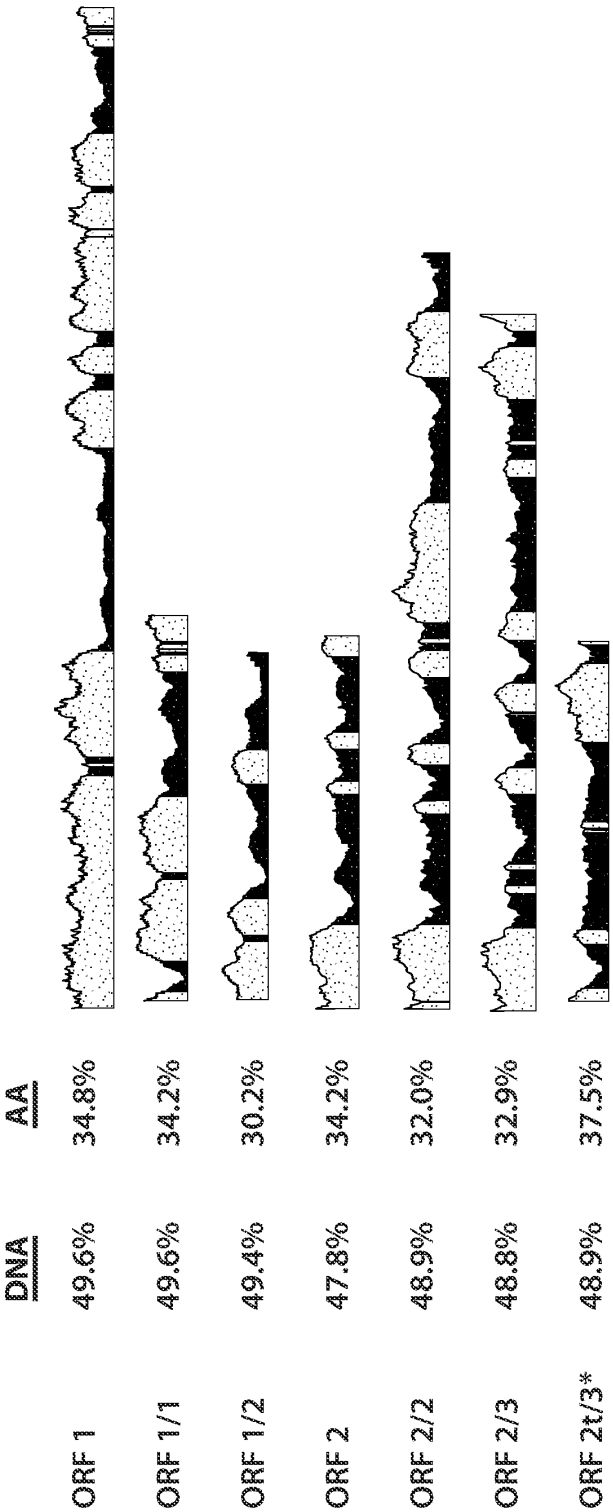


FIGURE 19

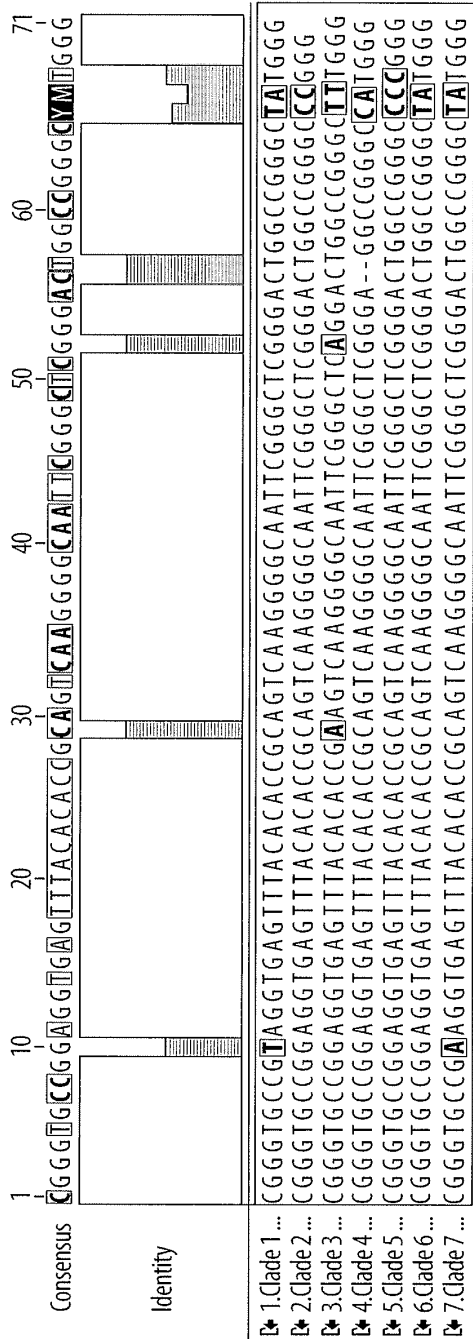


FIGURE 20

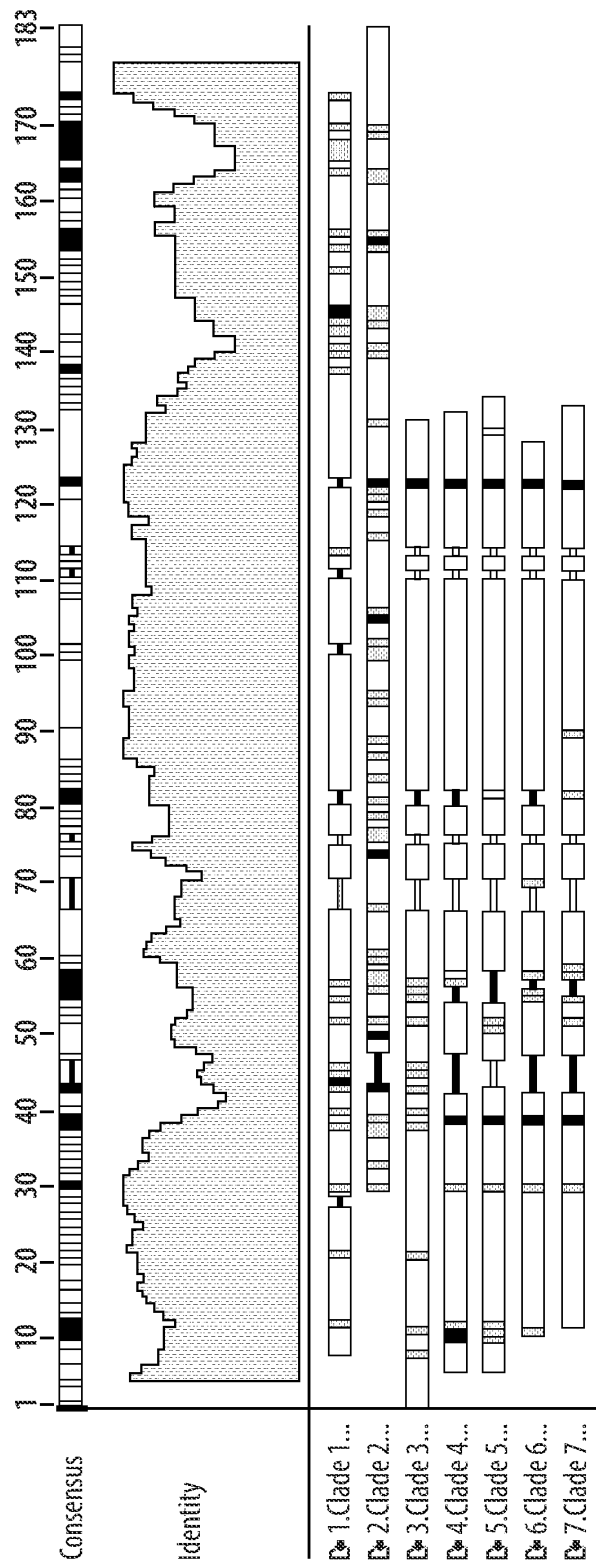


FIGURE 21

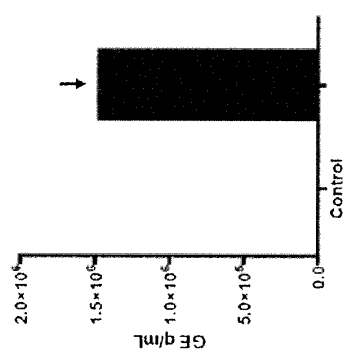


FIGURE 22

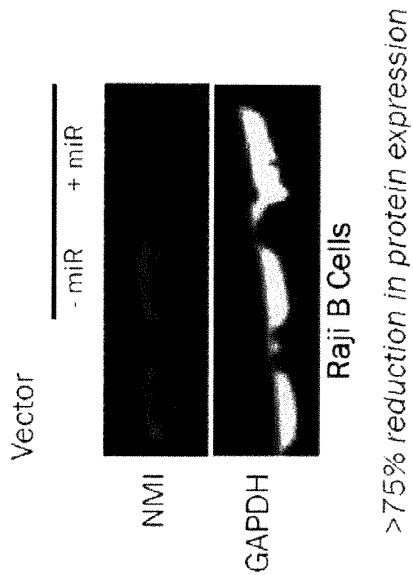


FIGURE 23

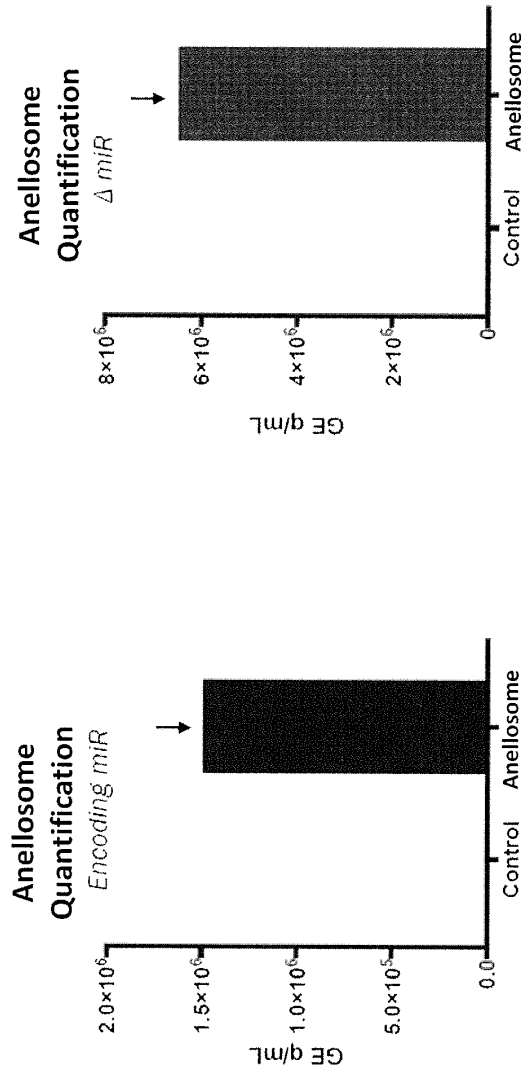


FIGURE 24

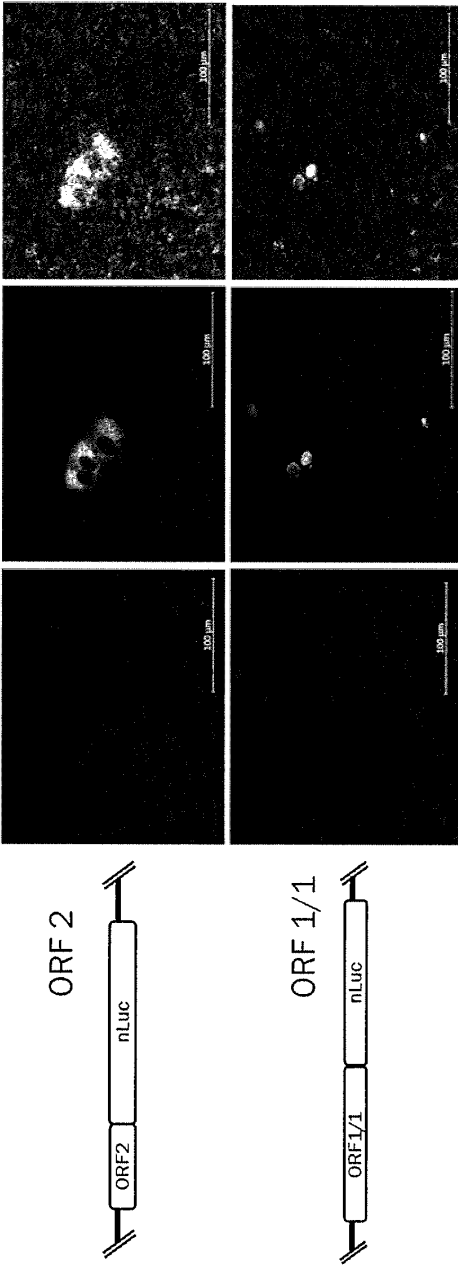


FIGURE 25A

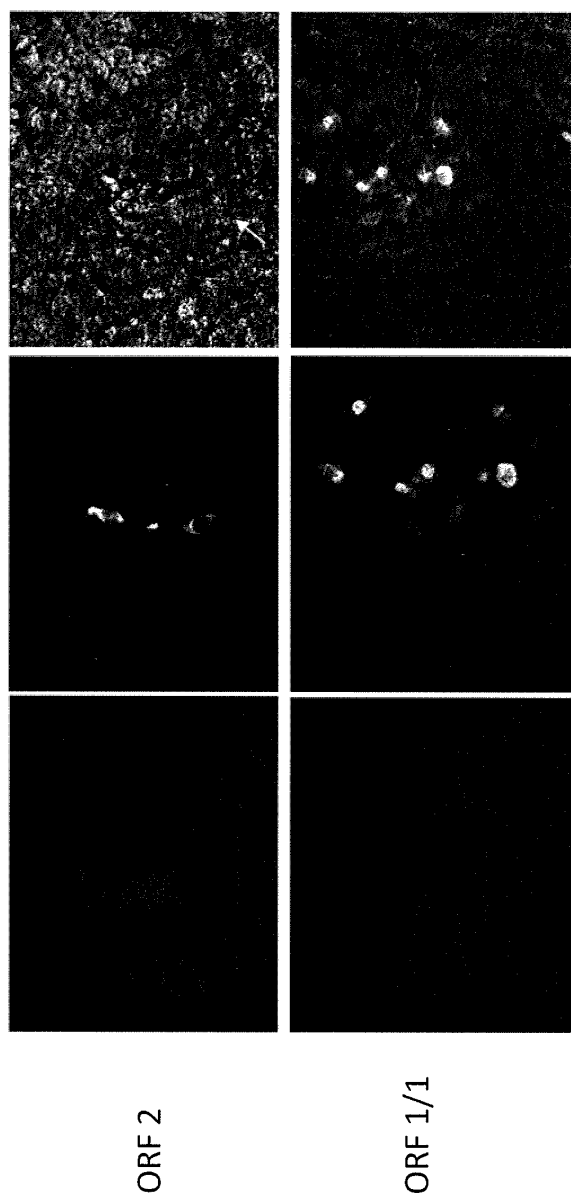


FIGURE 25B

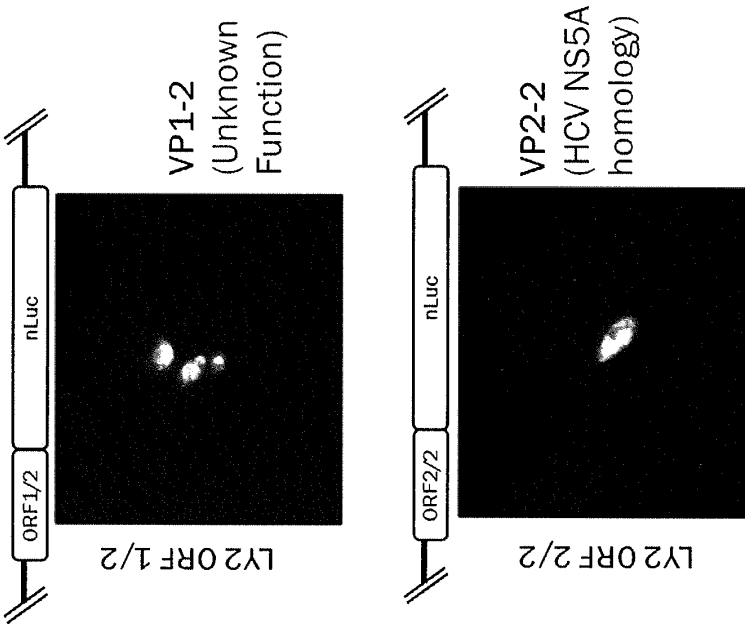


FIGURE 25C

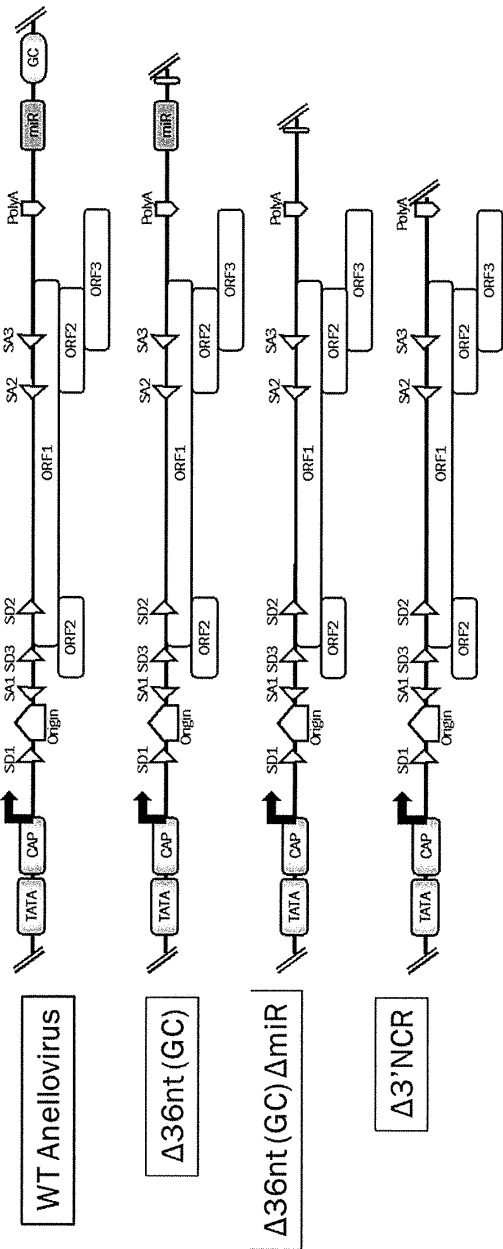
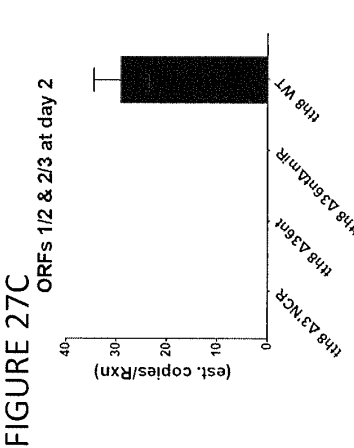
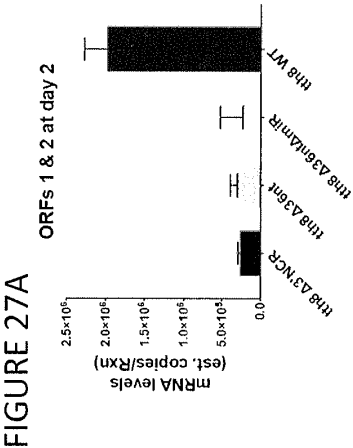
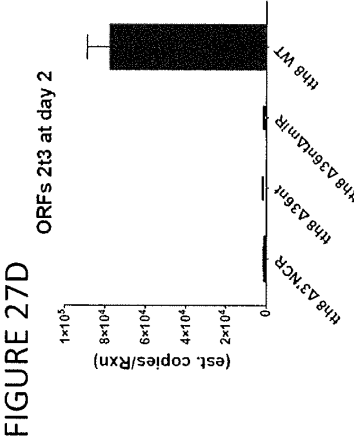
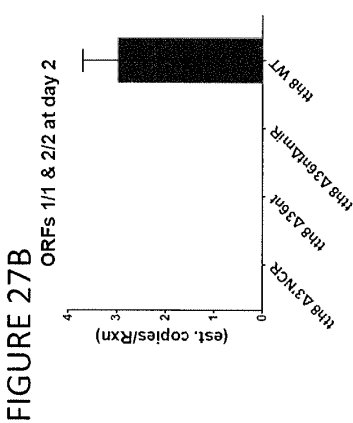


FIGURE 26



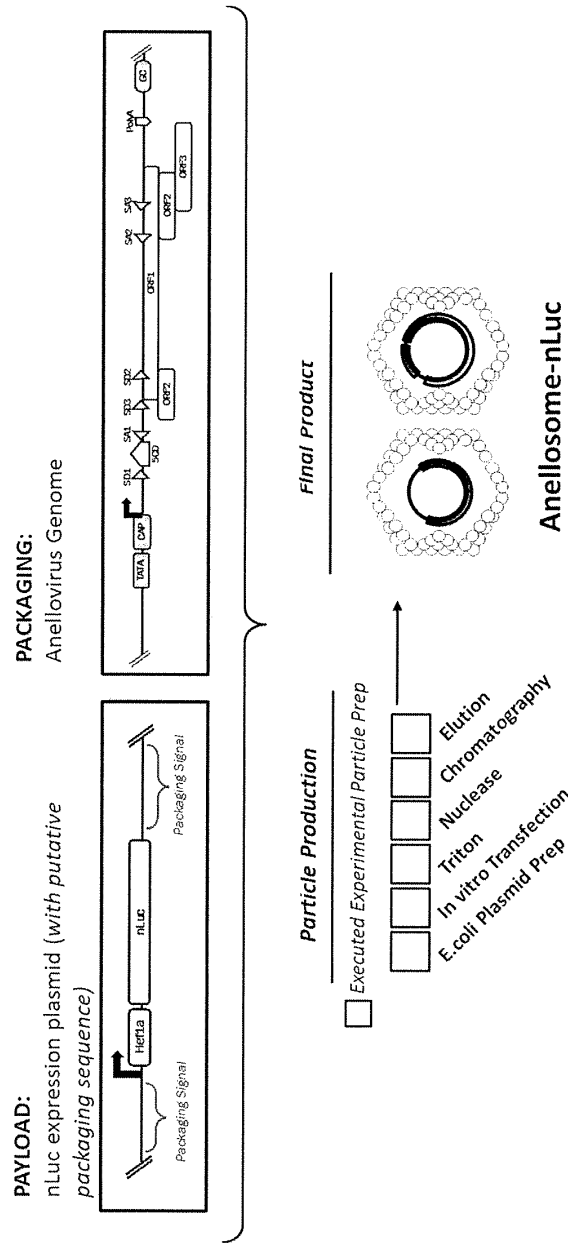


FIGURE 28A

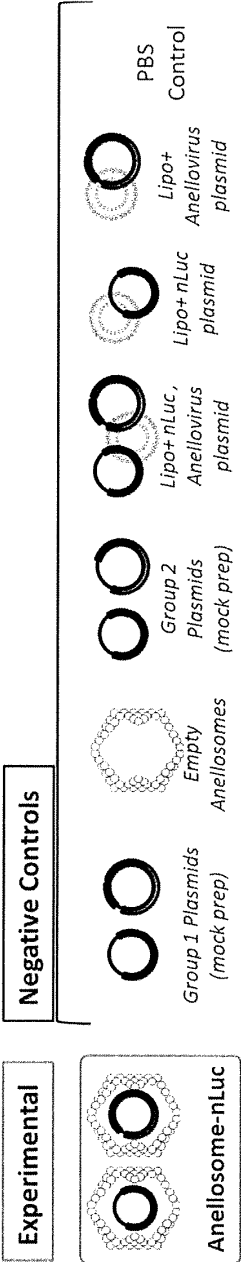


FIGURE 28B

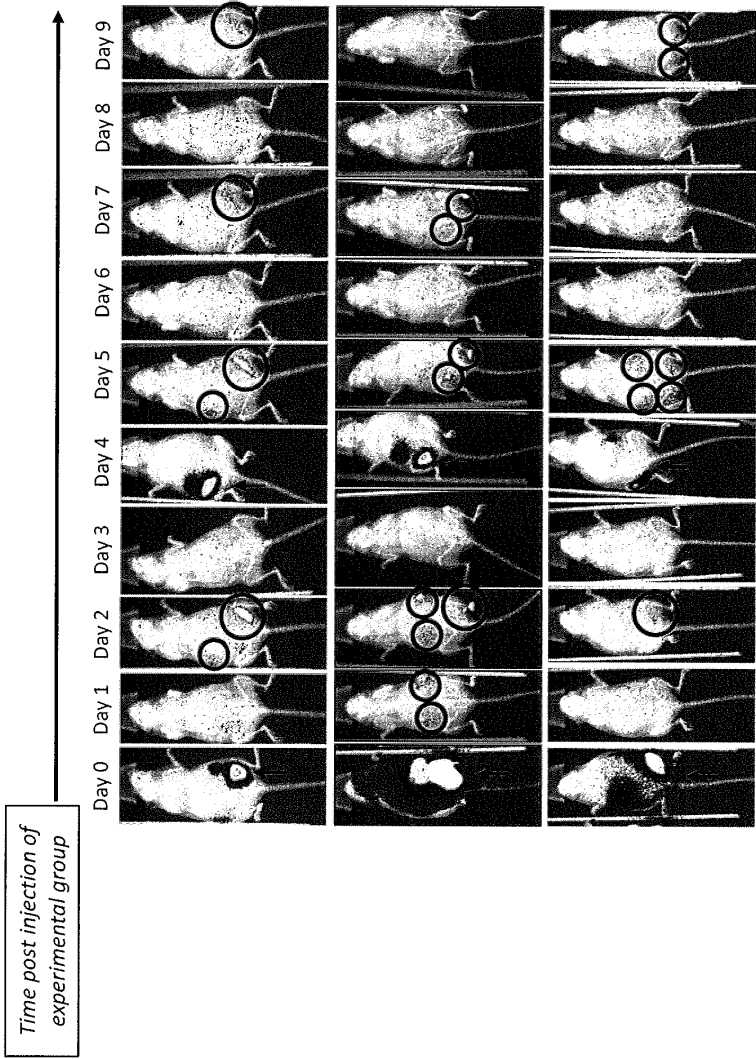


FIGURE 29A

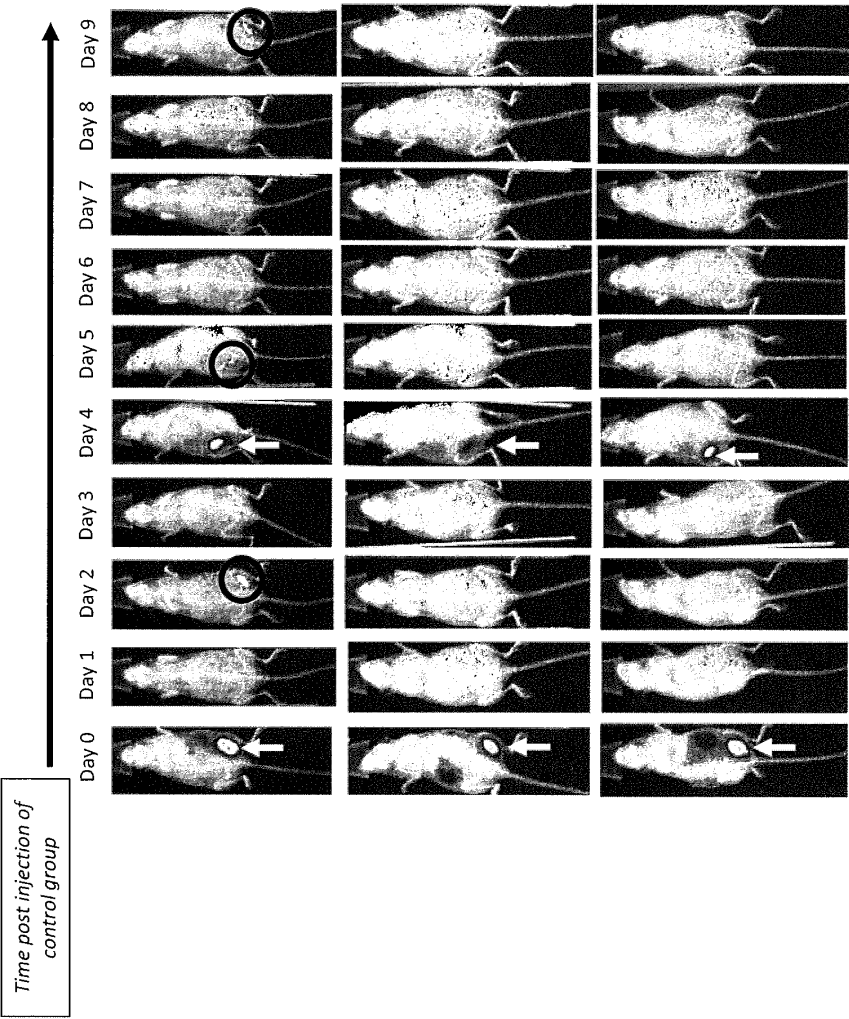


FIGURE 29B

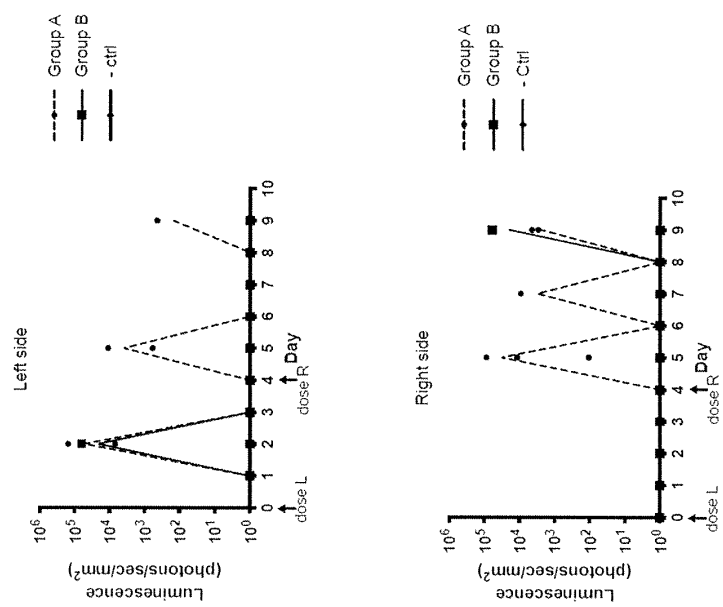


FIGURE 29C

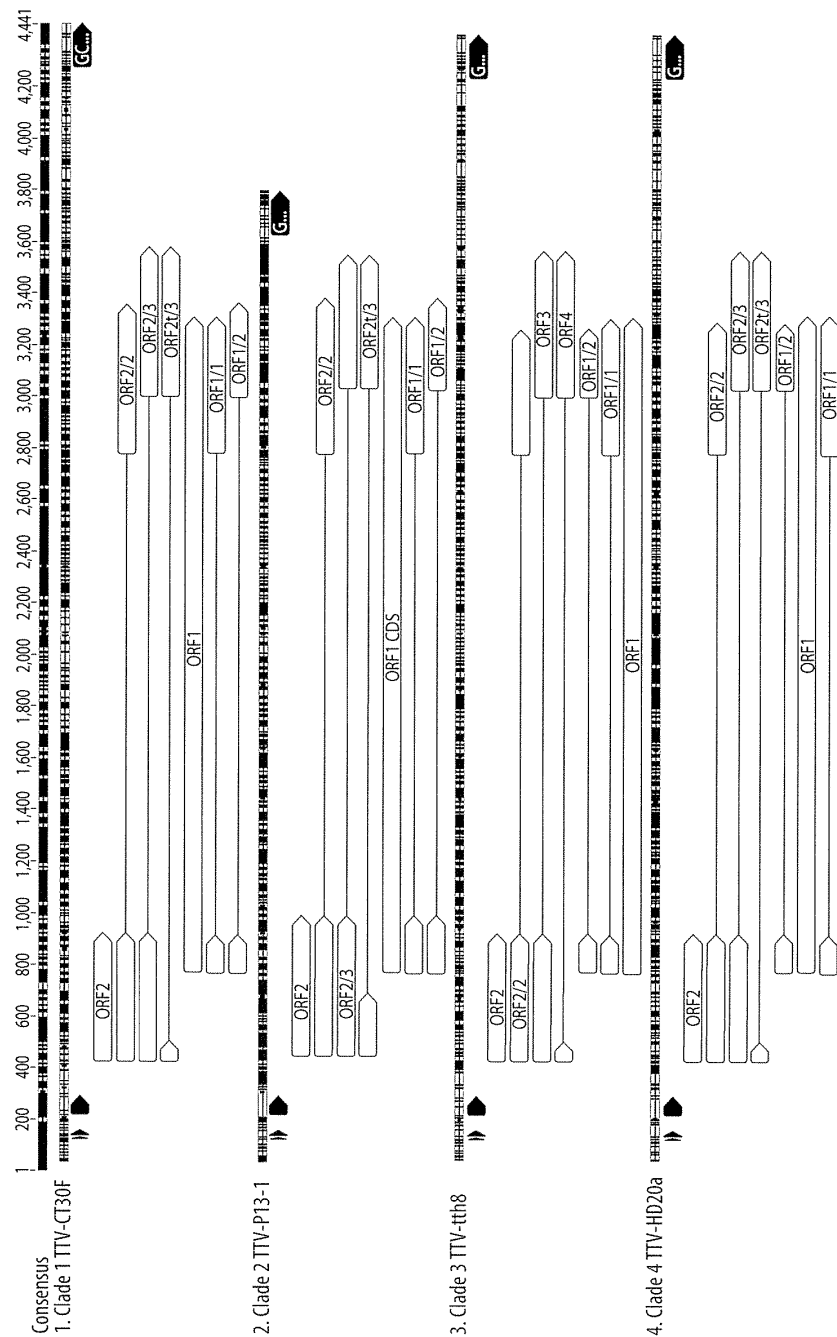


FIGURE 29D-1

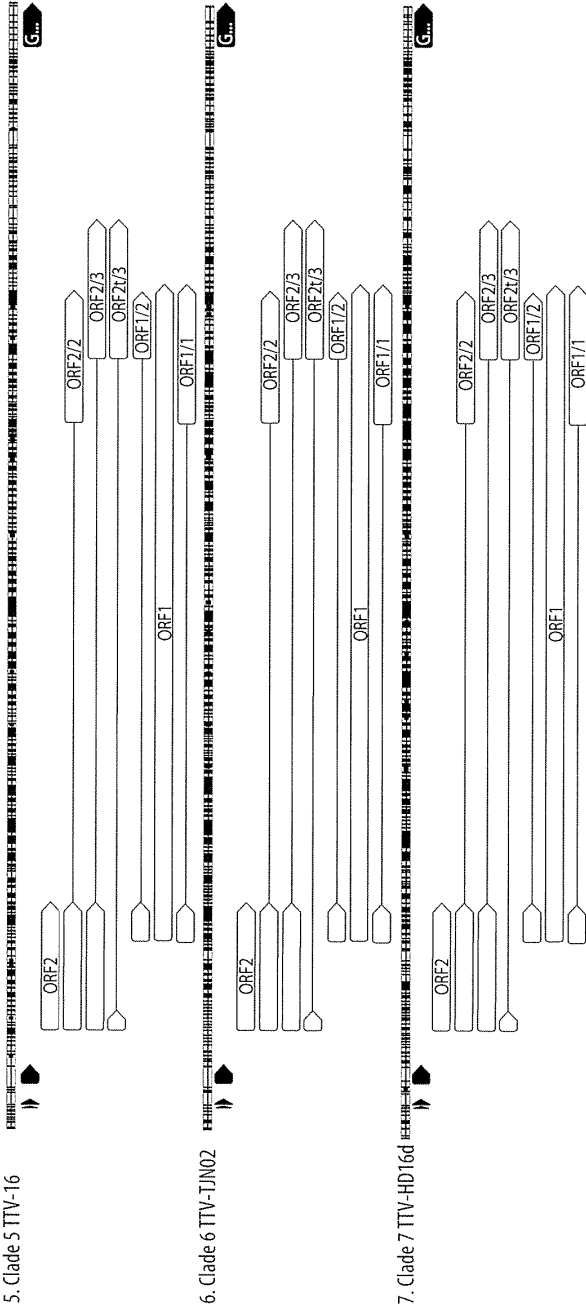


FIGURE 29D-2

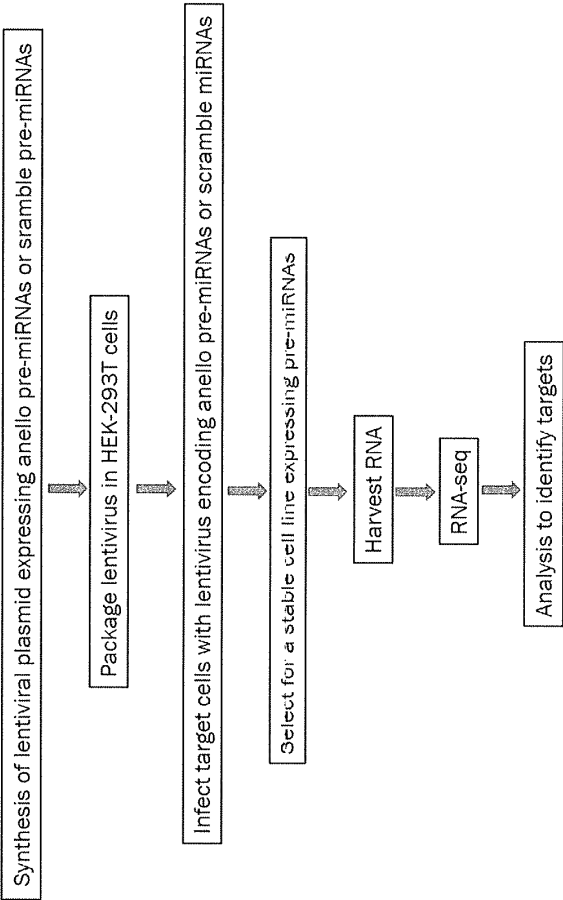


FIGURE 30

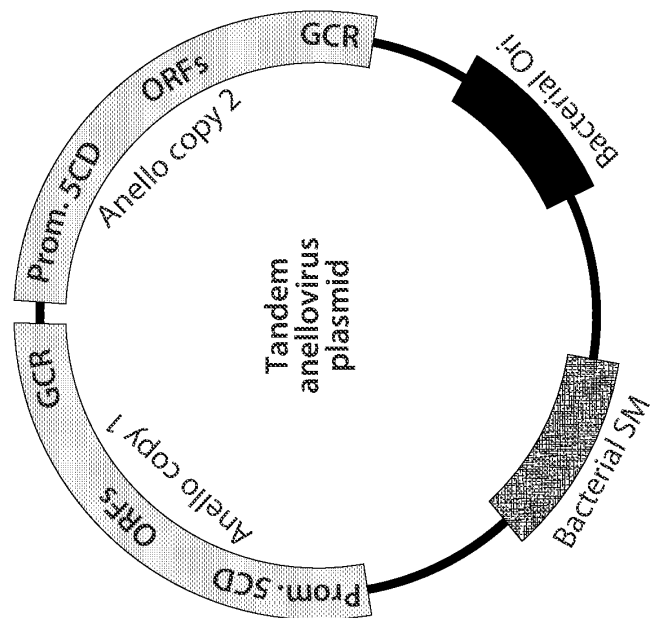


FIGURE 31A

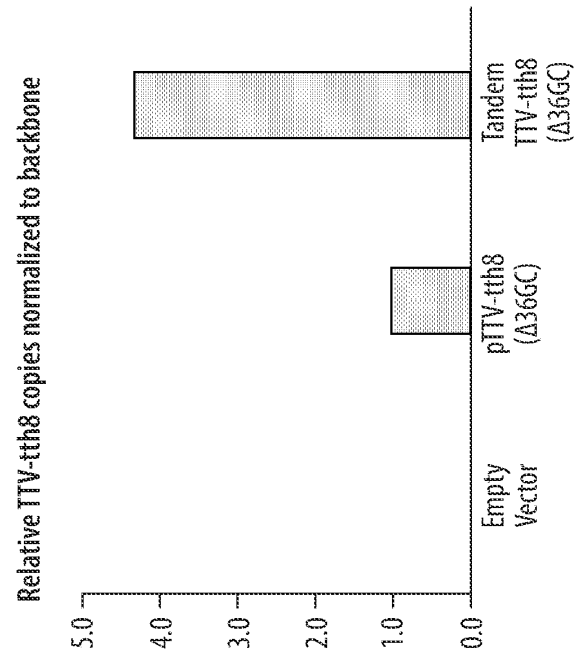


FIGURE 31B

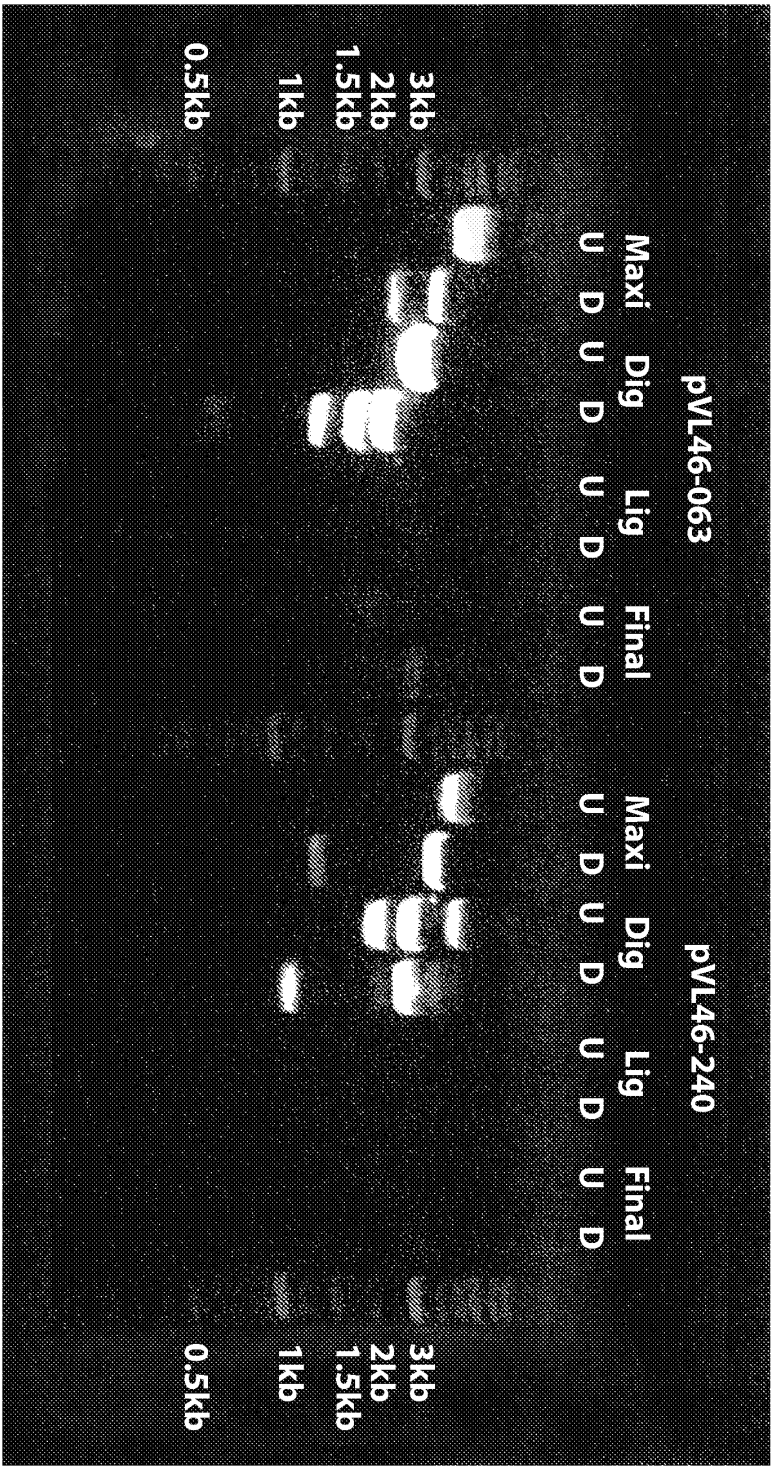


FIGURE 31C

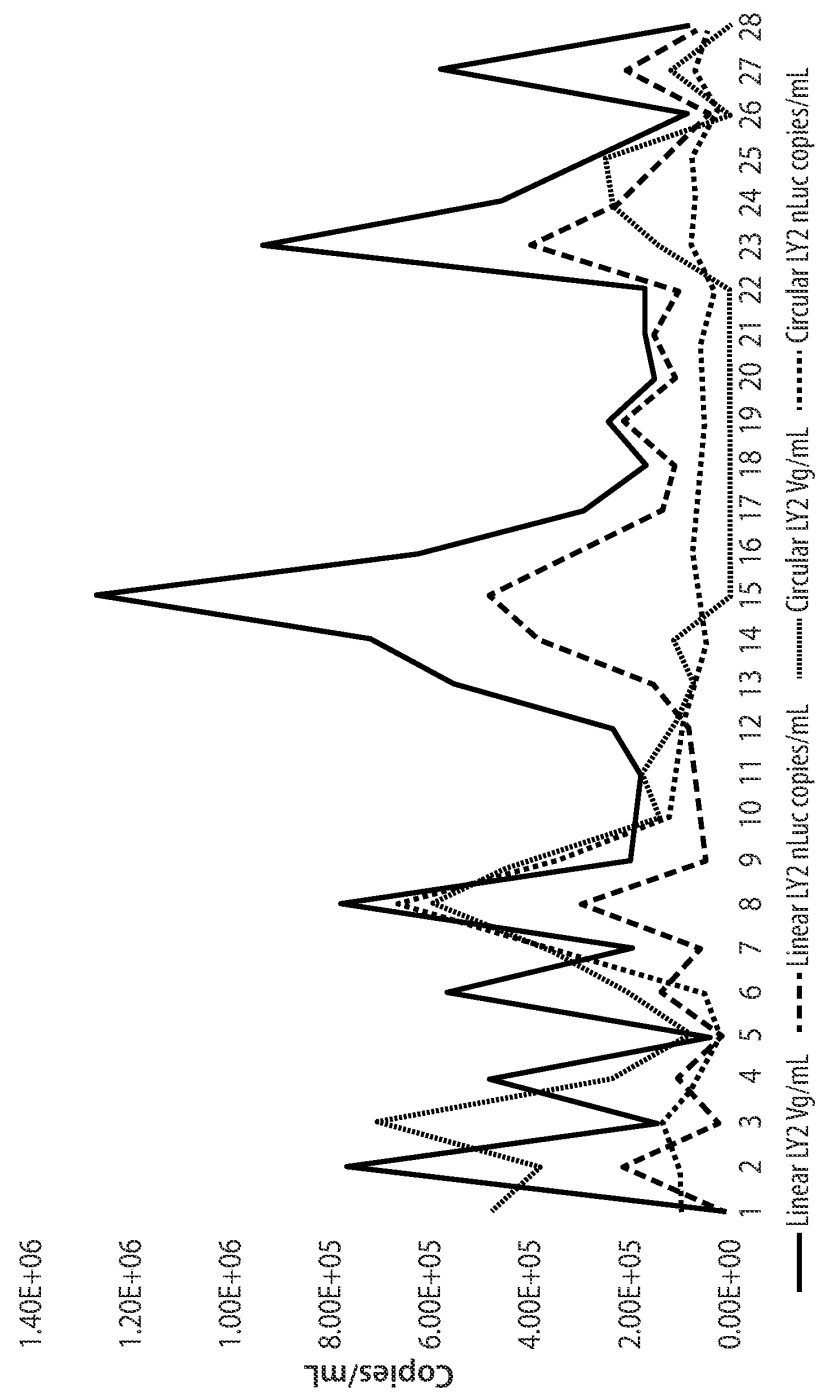
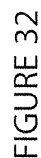


FIGURE 31D



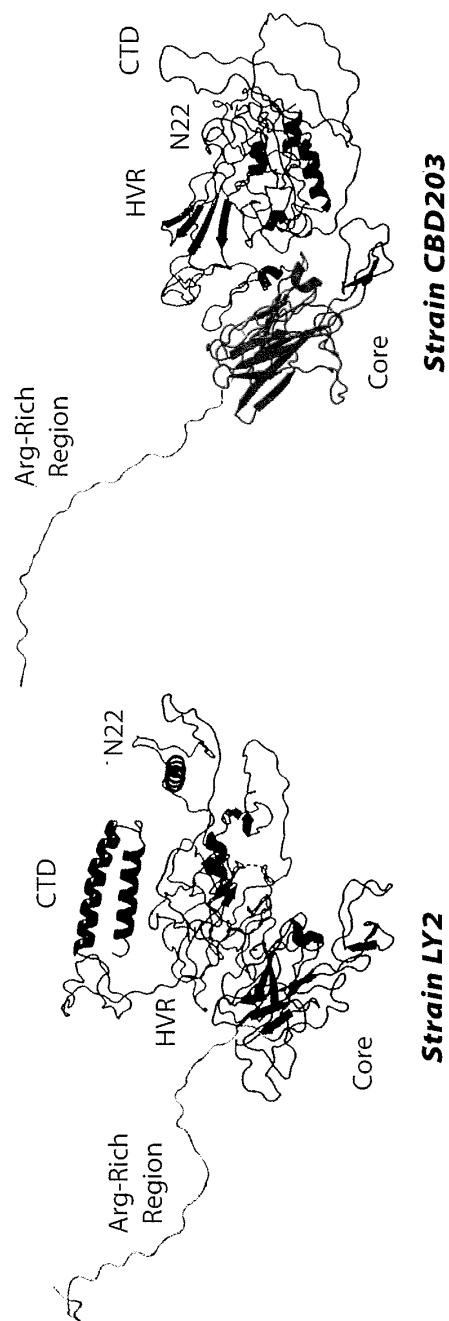


Figure 33



Figure 34

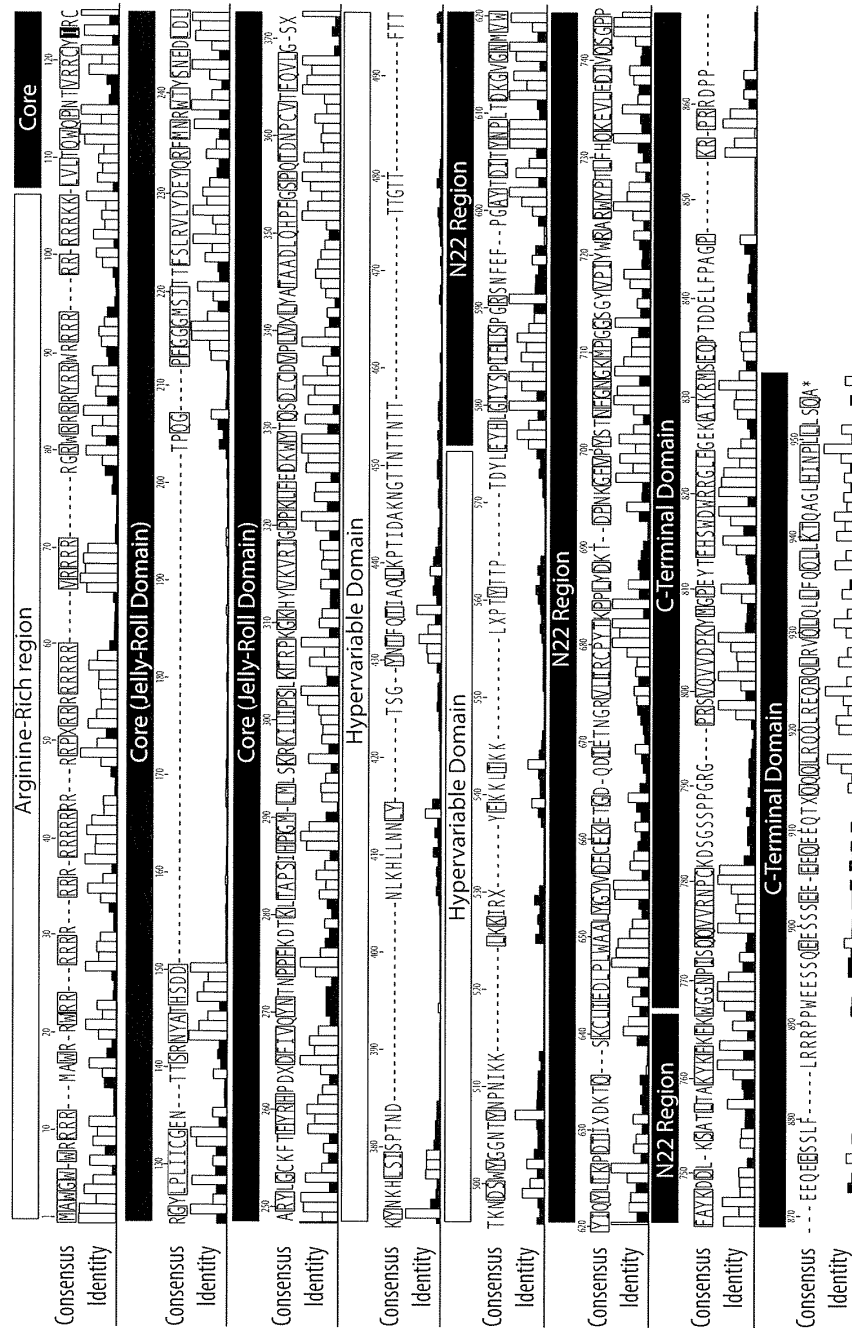


FIGURE 35

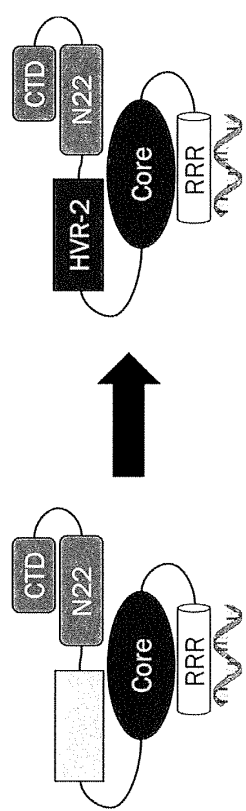


FIGURE 36

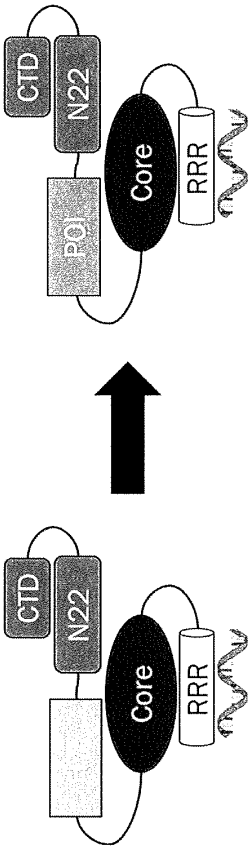
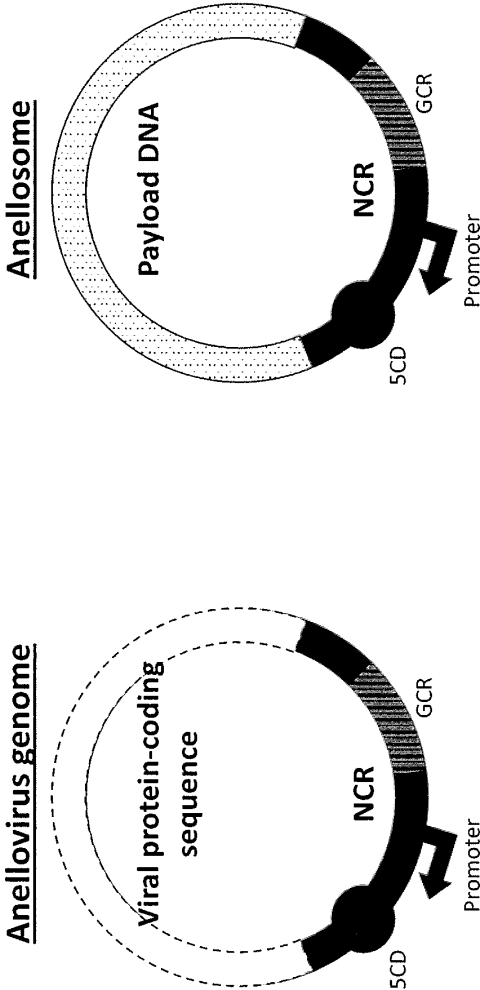
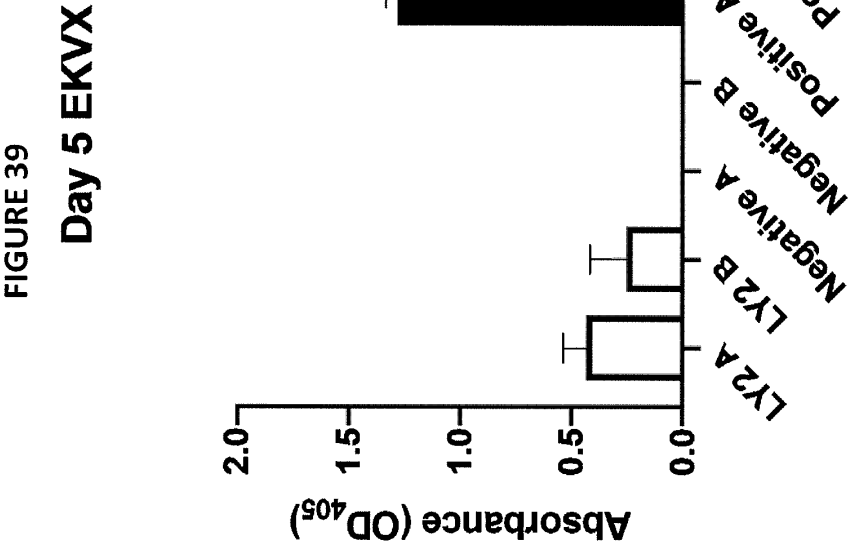


FIGURE 37

FIGURE 38





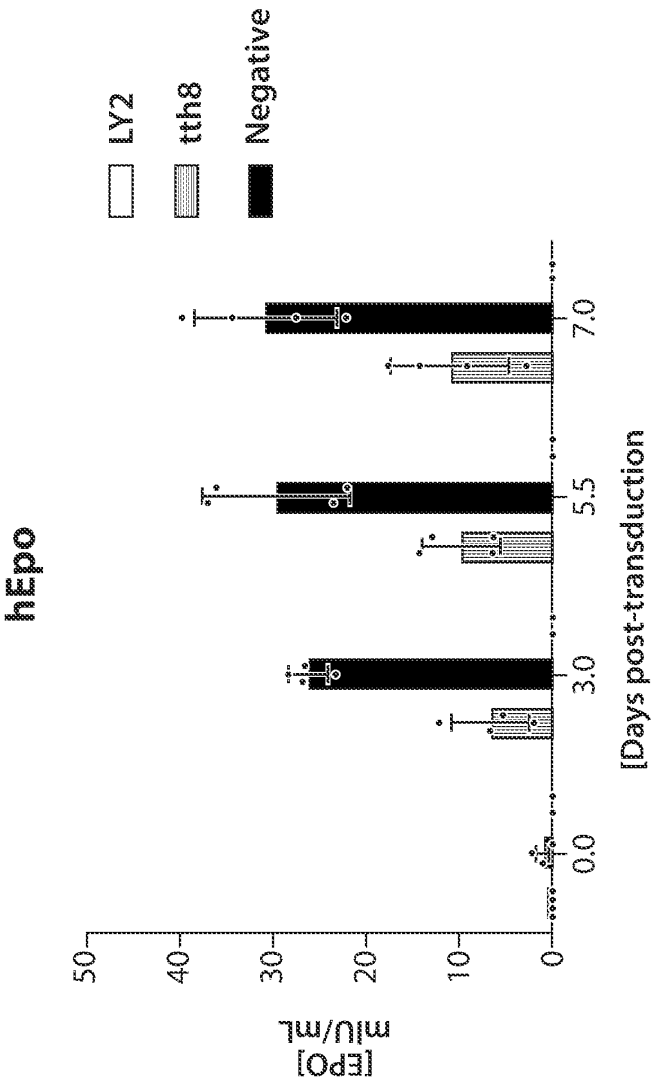
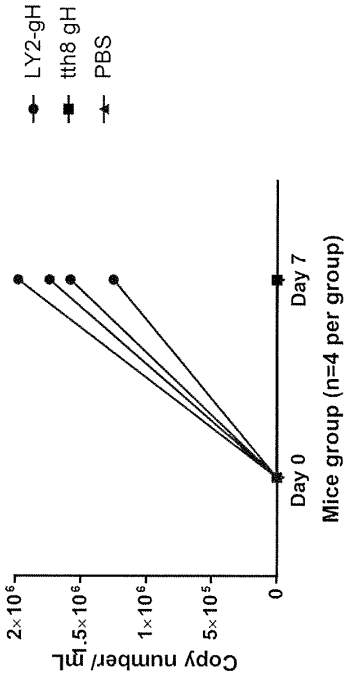


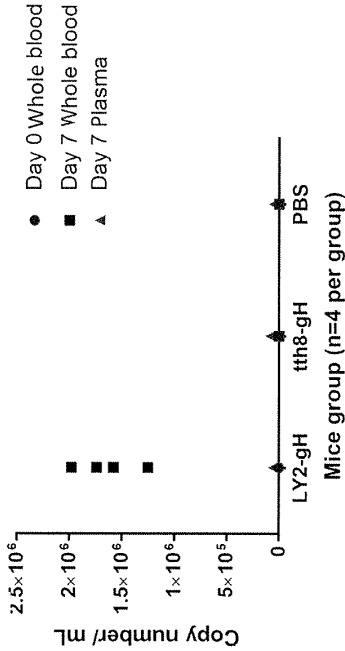
FIGURE 40

FIGURE 41A

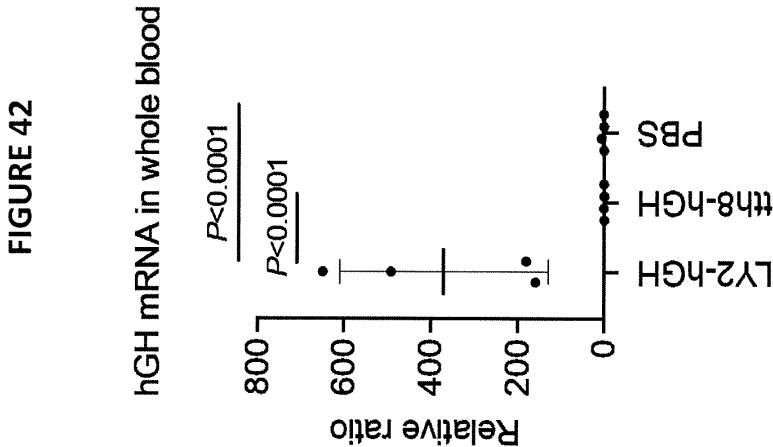


Anelosomes detected in the cellular fraction of whole blood

FIGURE 41B



Anelosomes are absent in plasma (not circulating)



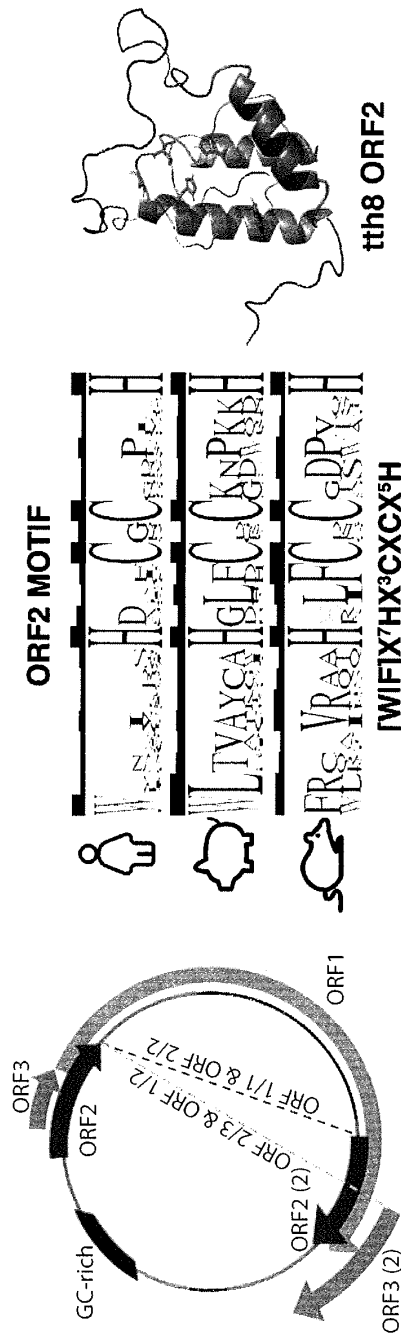


FIGURE 43C

FIGURE 43B

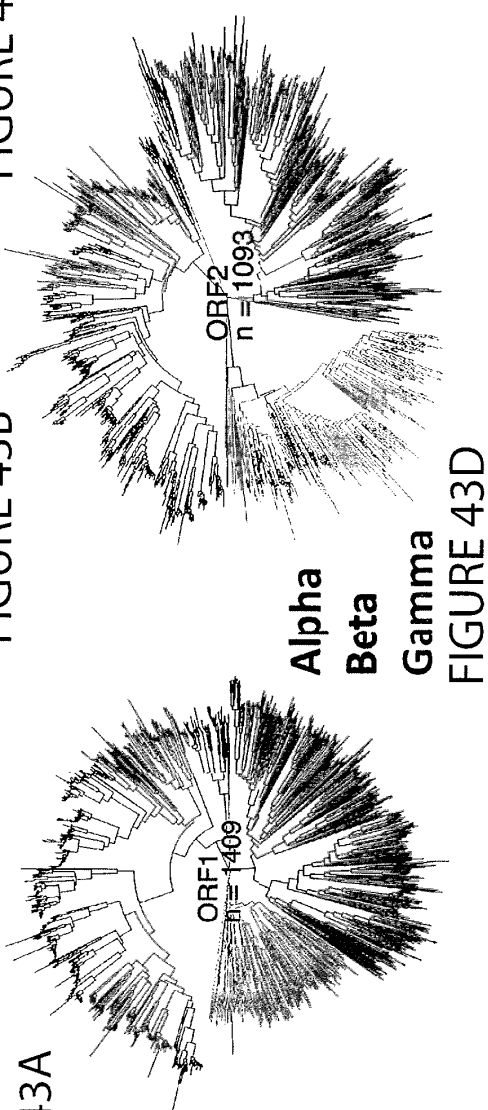
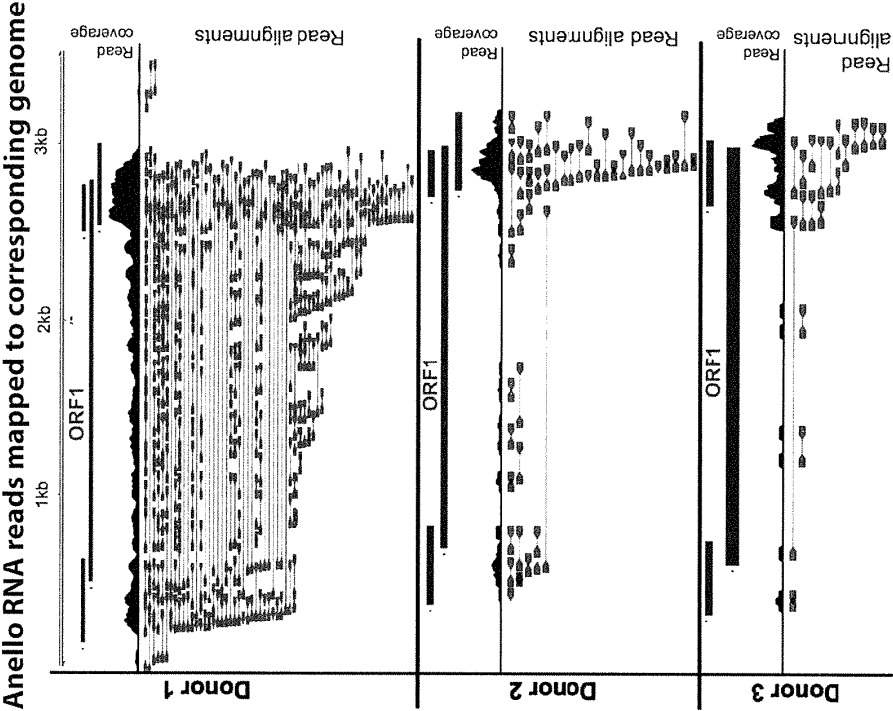


FIGURE 43D



Anello read counts				
Donor	Gender	Tissue	Anello RNA reads	Anello DNA reads
1	female	Blood	660	109
2	male	Blood	68	171
3	male	Lung	33	113

FIGURE 44A

FIGURE 44B

FIGURE 45

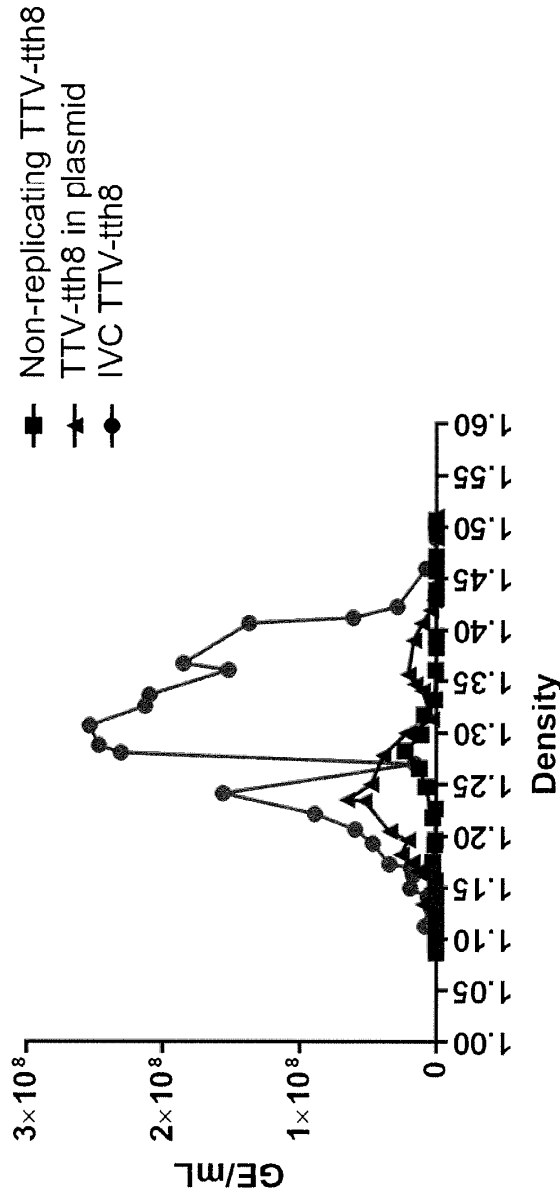
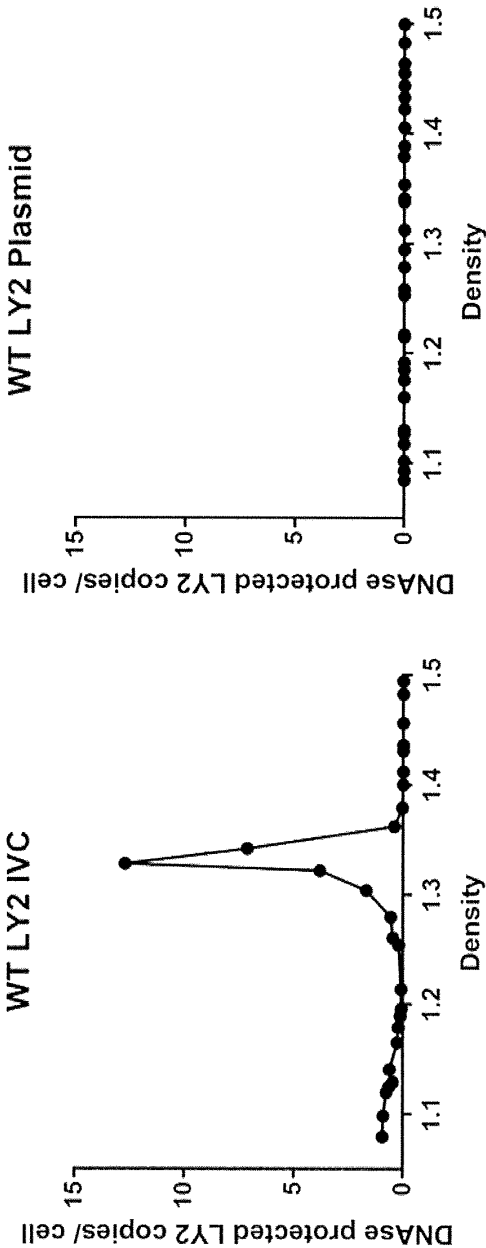


FIGURE 46



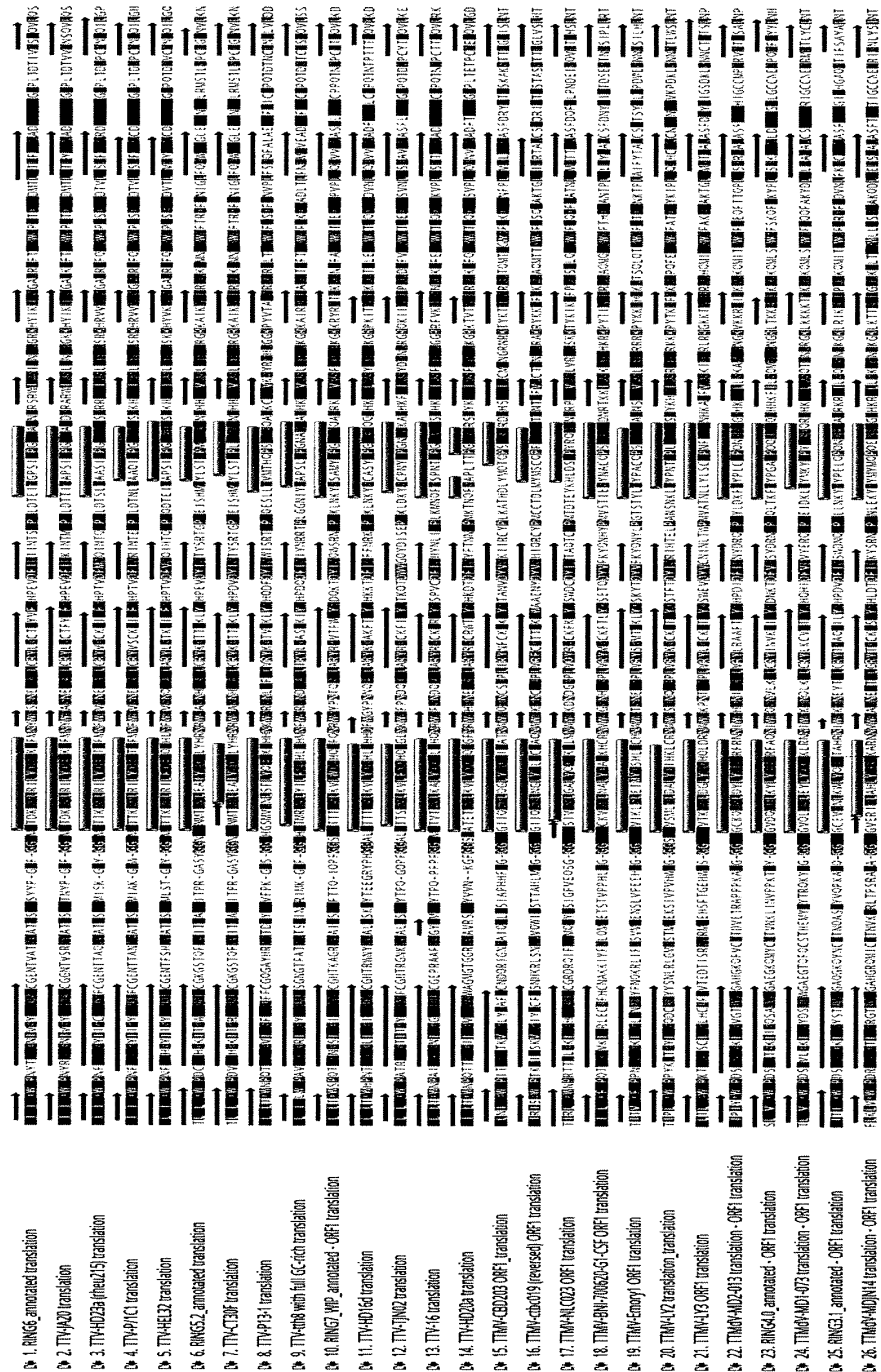


FIGURE 47

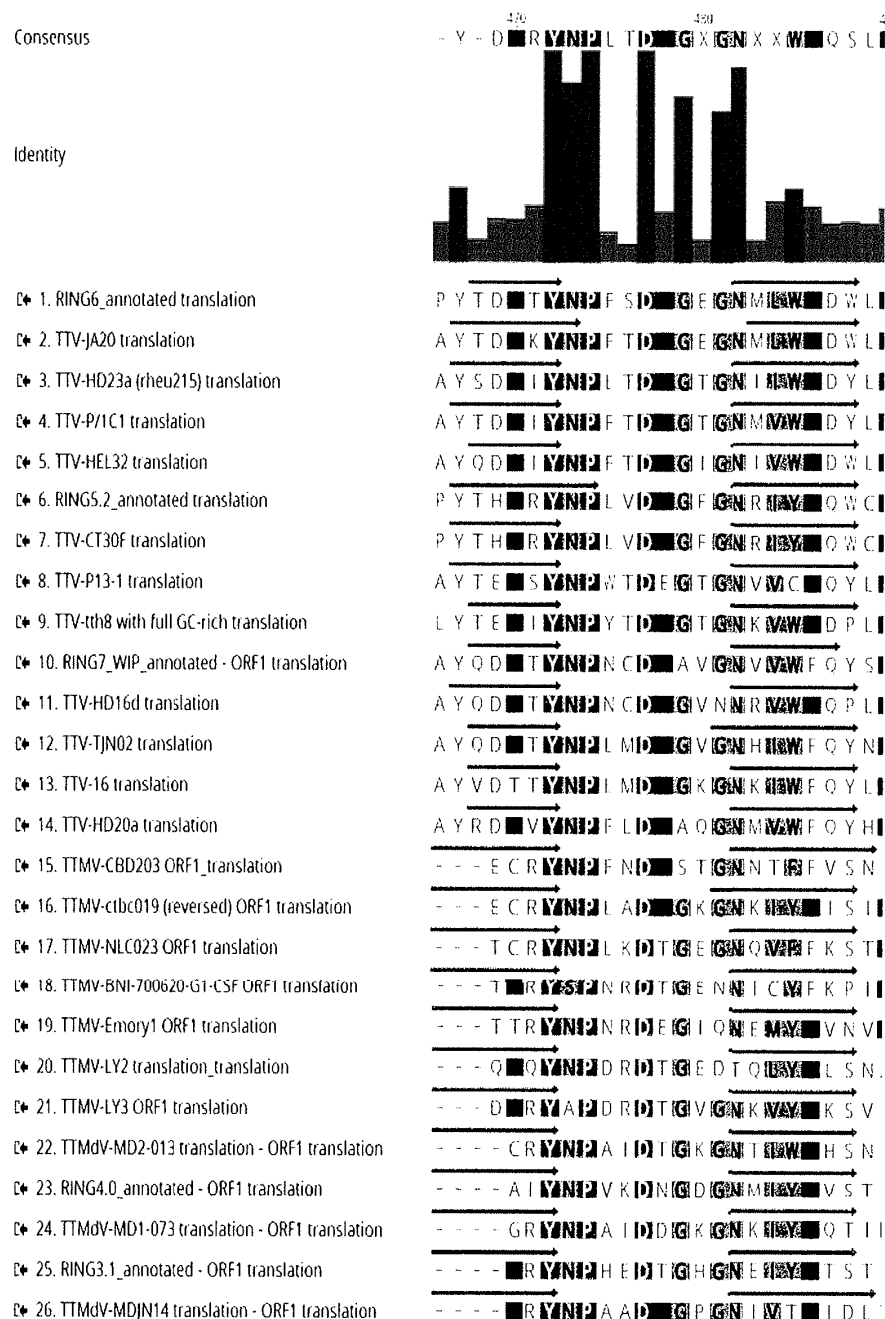


FIGURE 48

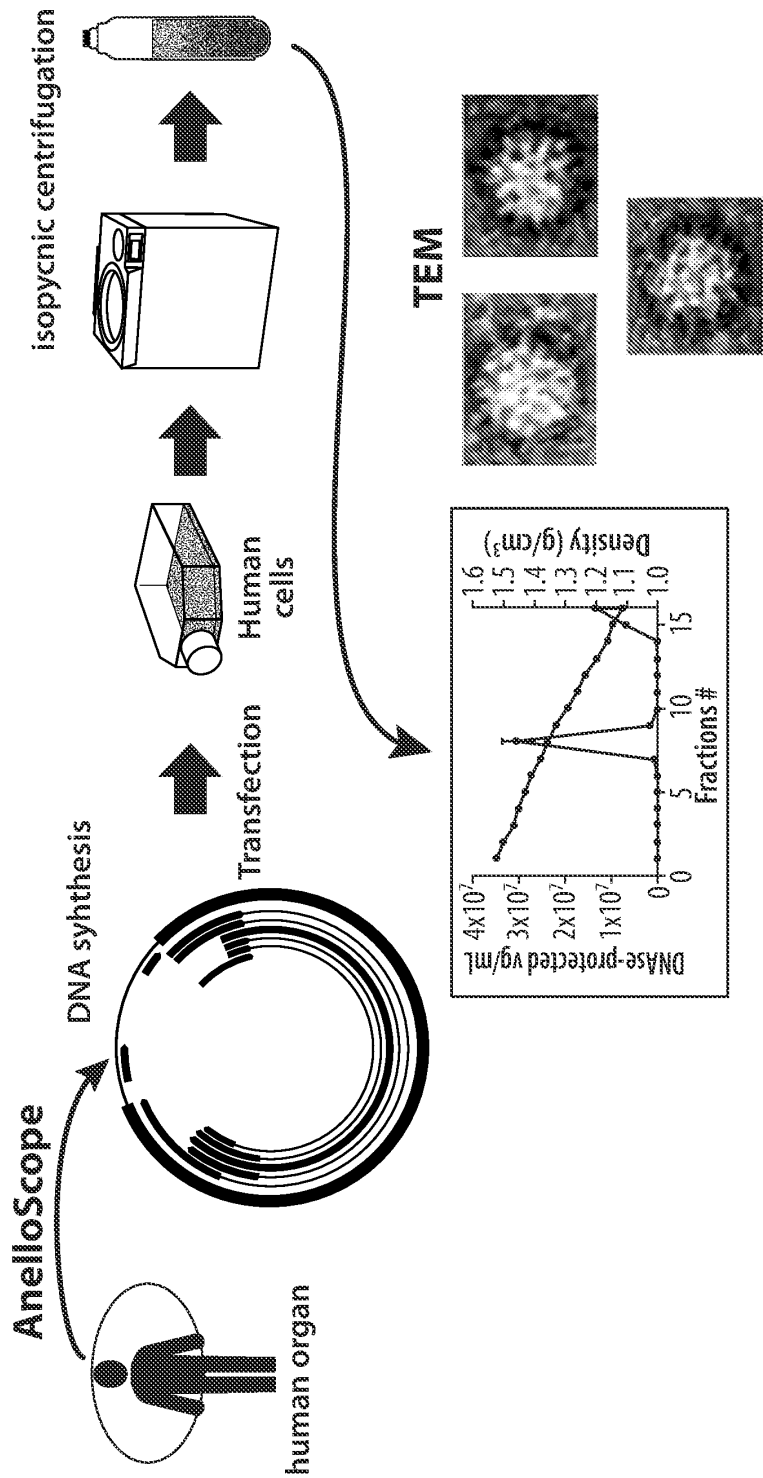


FIGURE 49

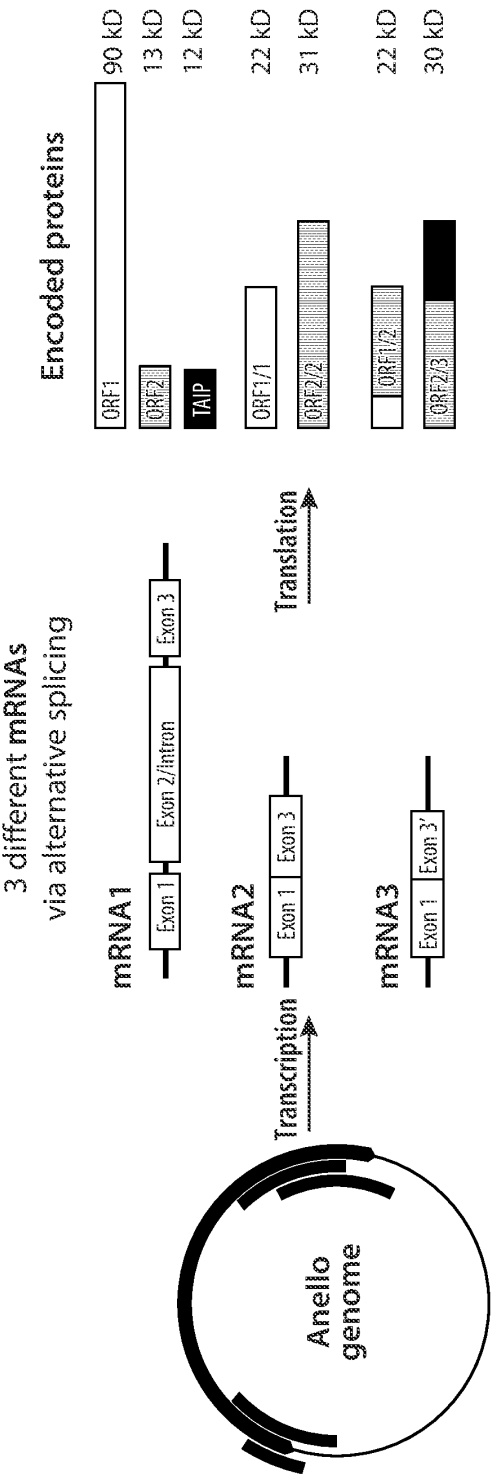


FIGURE 50A

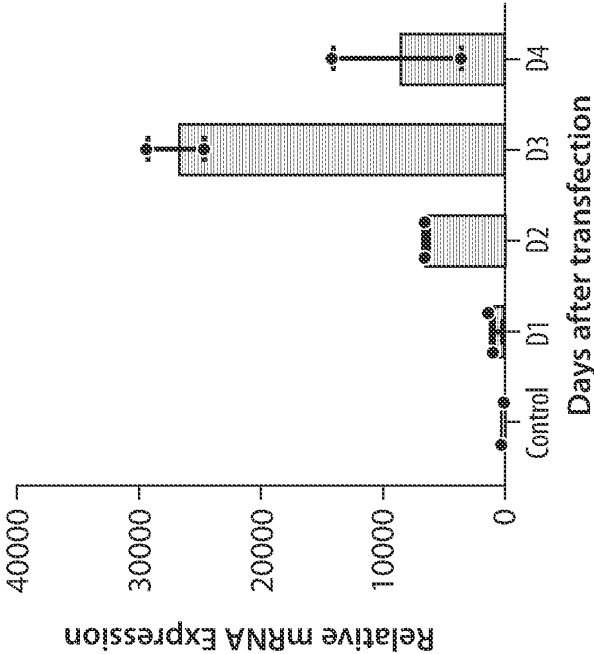


FIGURE 50B

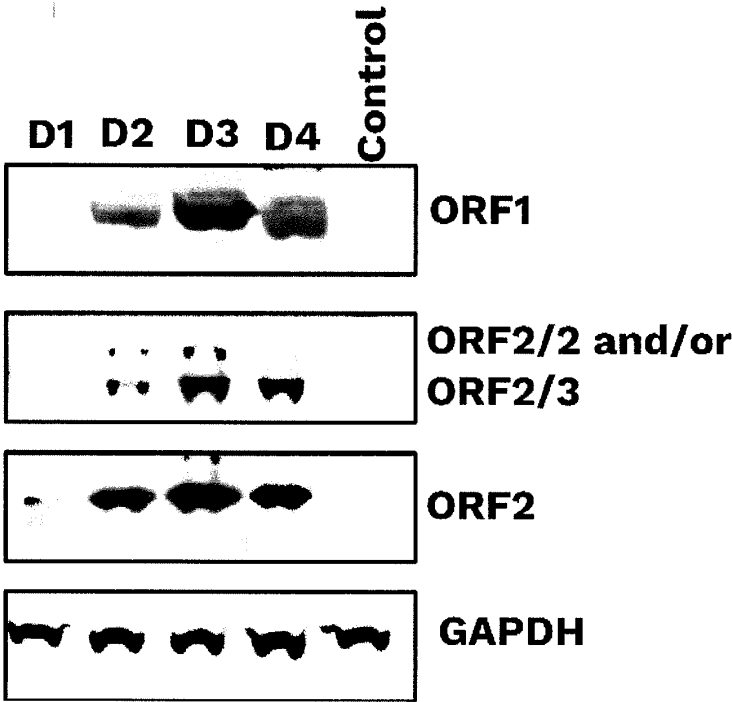


FIG. 50C

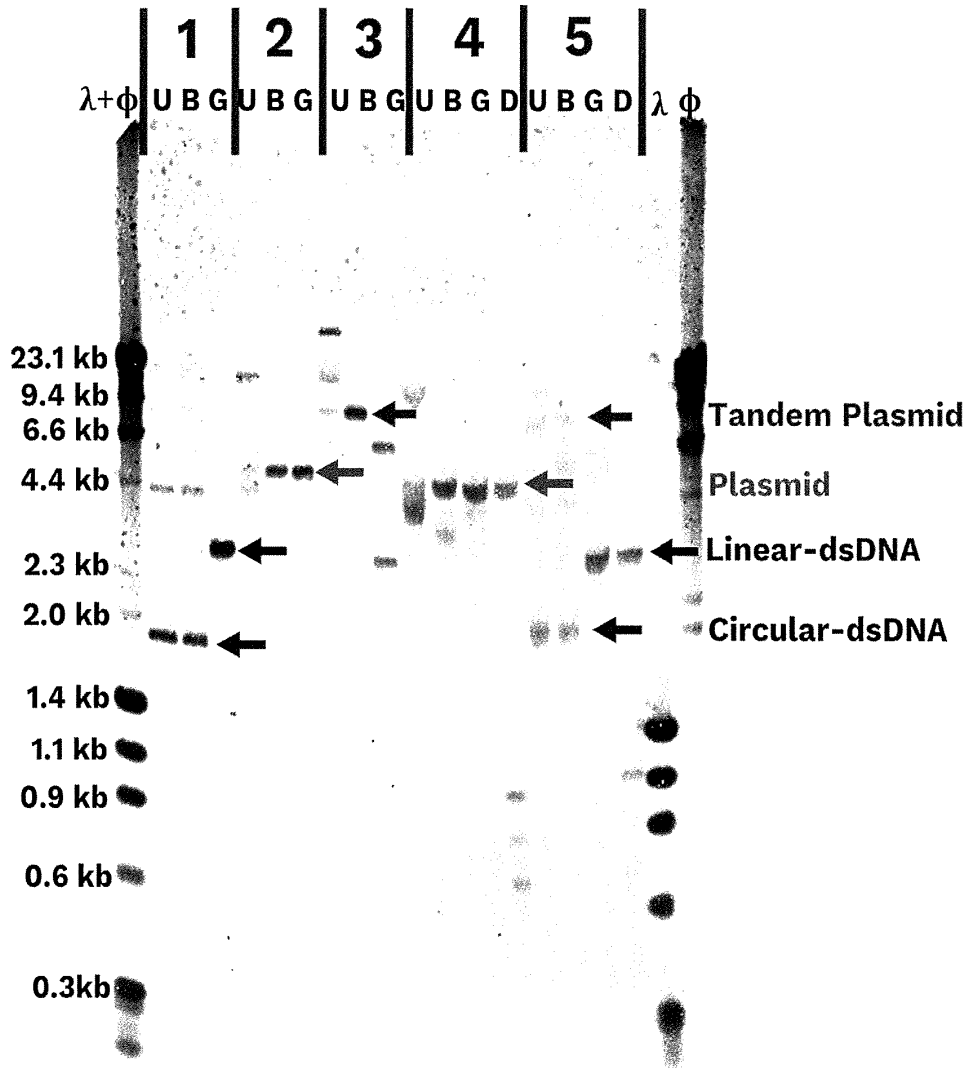


FIG. 51

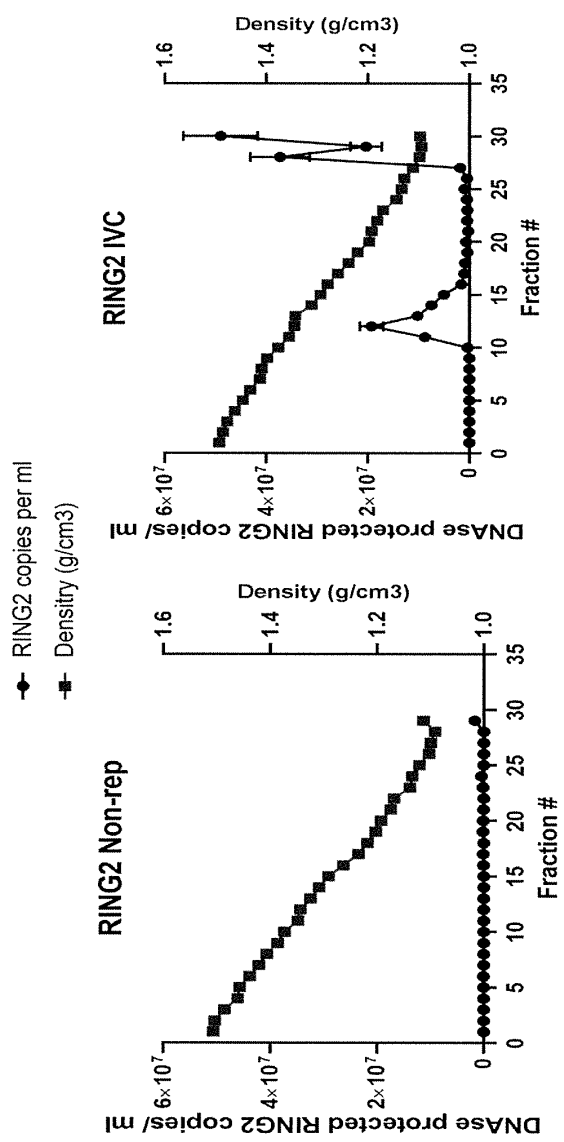
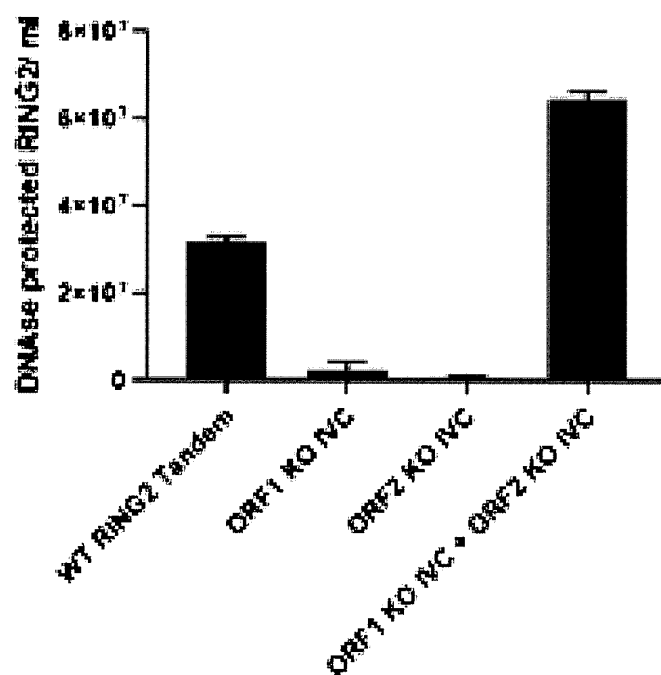


FIG. 52

**FIG. 53**

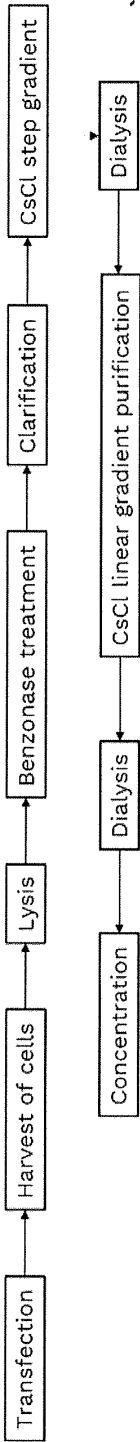


FIG. 54A

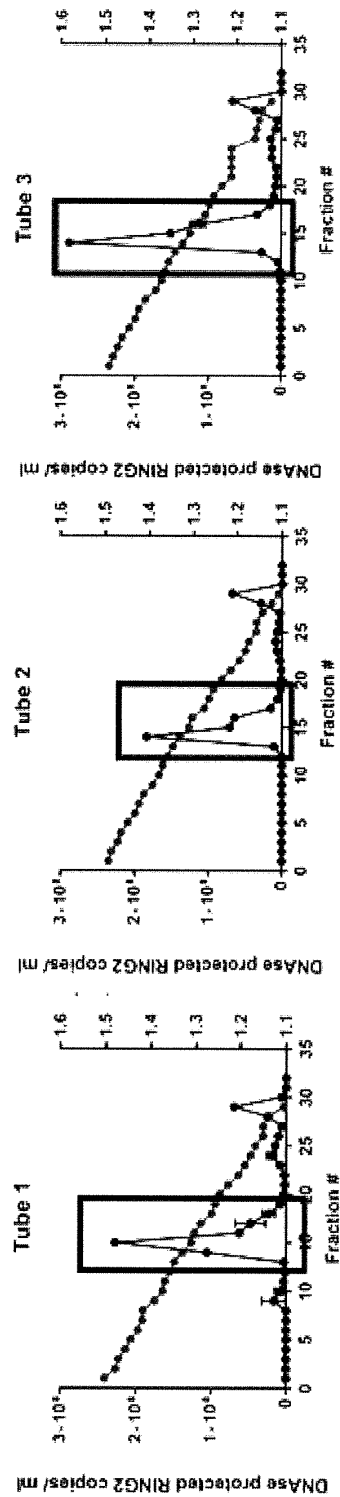
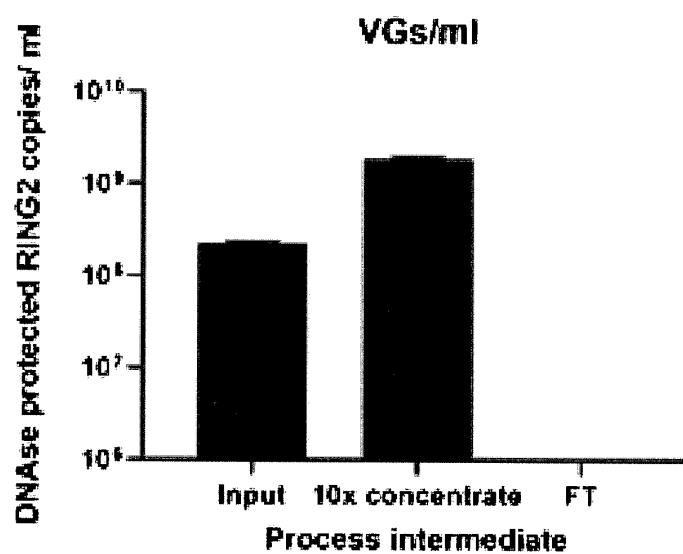


FIG. 54B

**FIG. 54C**

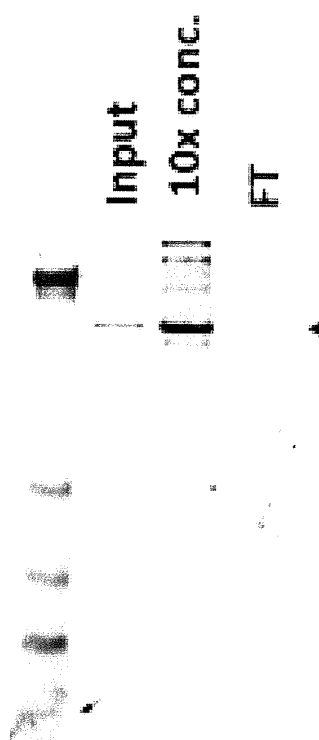


FIG. 54D

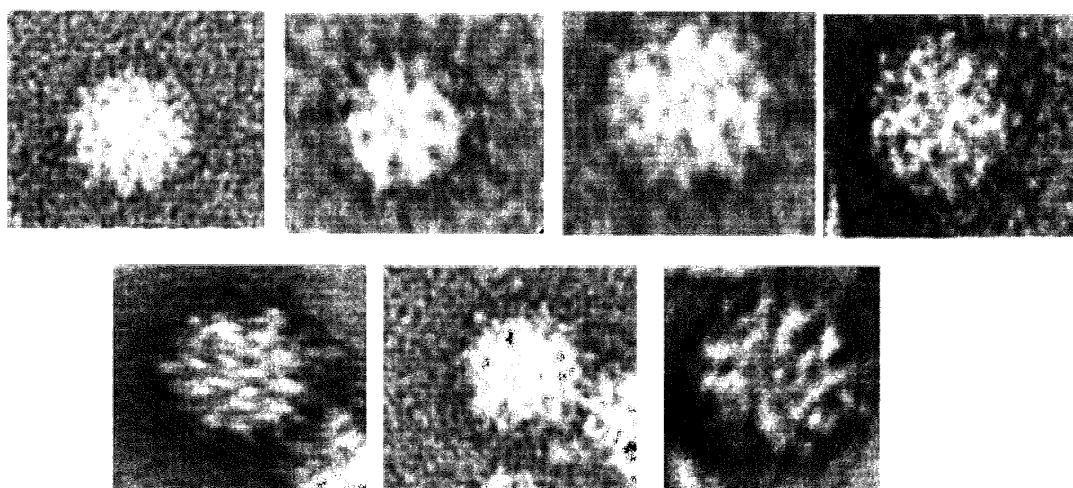


FIG. 54E

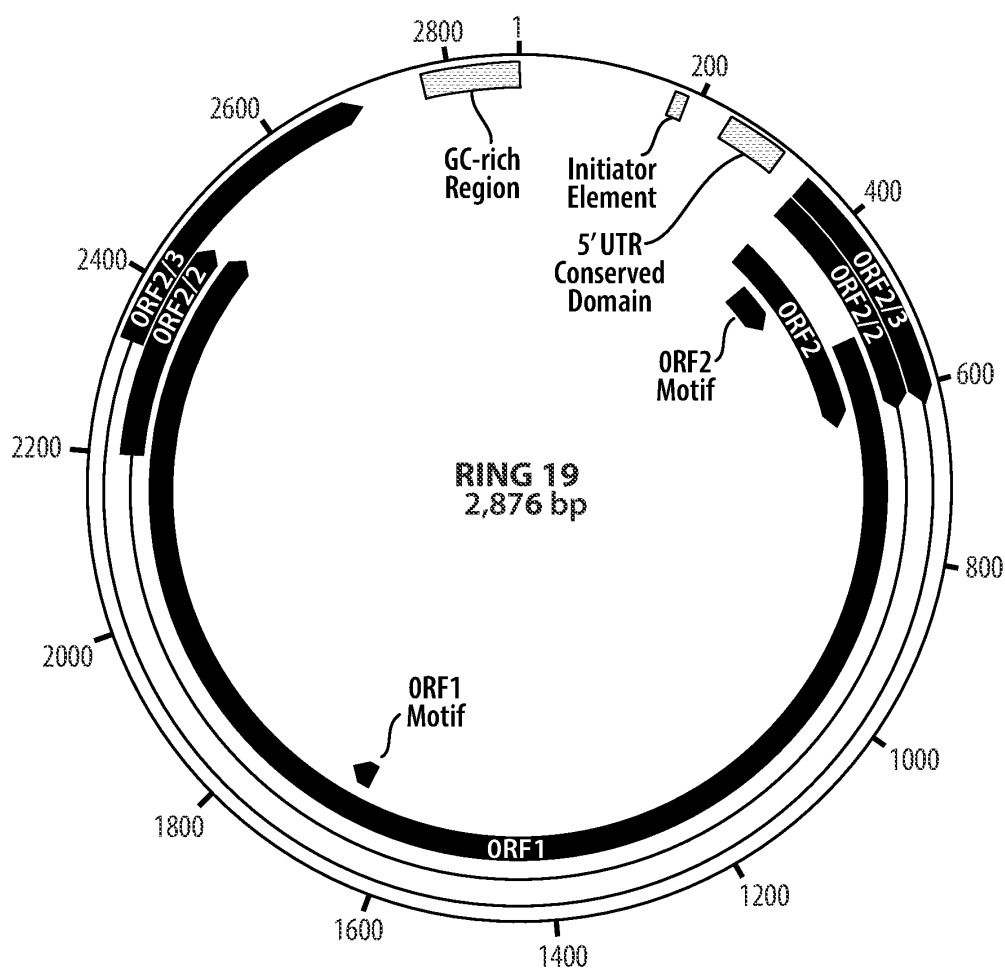


FIGURE 55A

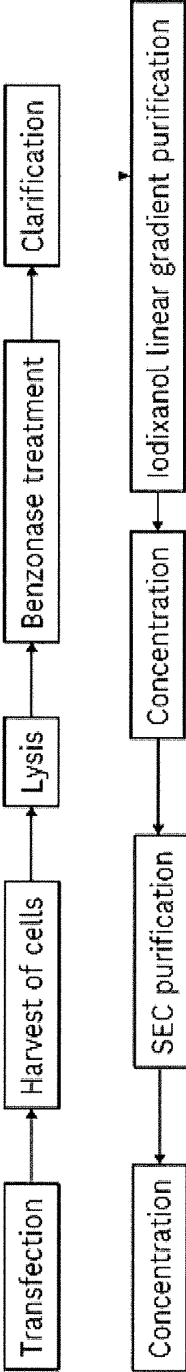


FIG. 55B

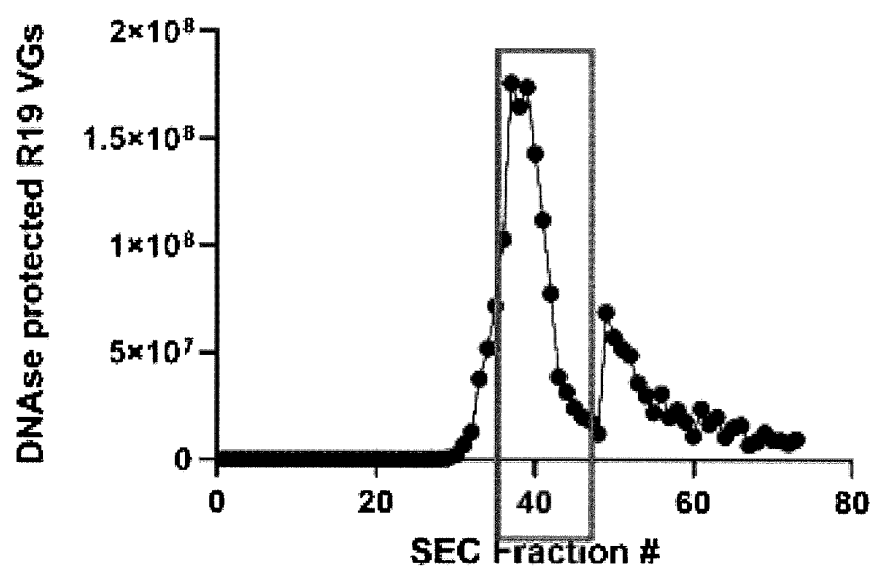


FIG. 55C

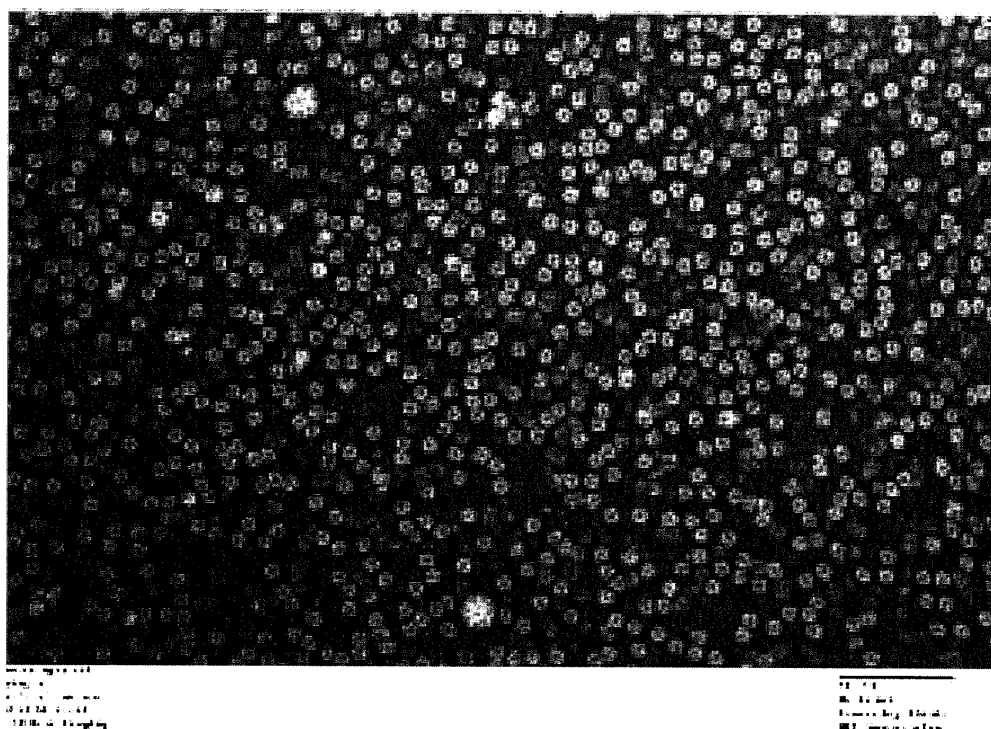


FIG. 55D

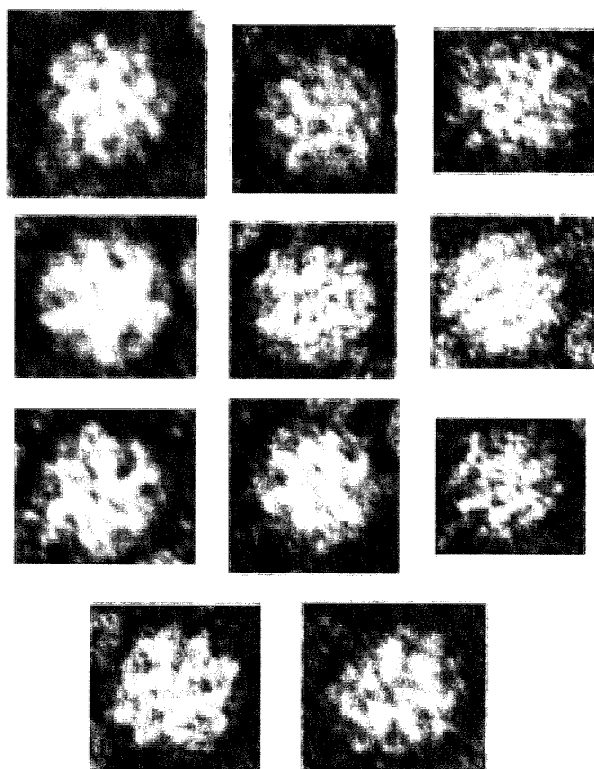


FIG. 55E

Group	Strain	Treatment Day 0	Dose (v/g)	Route	N (eyes)/ Time point	Terminal Day
1	C57Bl/6	PBS	0	SR (1ul)	5-6	7 & 21
2	C57Bl/6	RING19 WT	6.6E+5	SR (1ul)	5-6	7 & 21
3	C57Bl/6	AAV2-mCherry	6.6E+5	SR (1ul)	5-6	7 & 21
4	C57Bl/6	RING19 WT	6.6E+5	IVT (1ul)	5-6	7 & 21
5	C57Bl/6	AAV2-mCherry	6.6E+5	IVT (1ul)	5-6	7 & 21

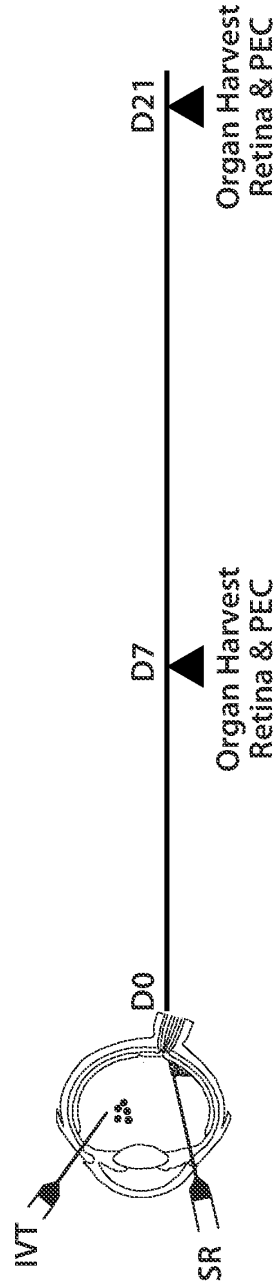


FIGURE 56A

FIG. 56B

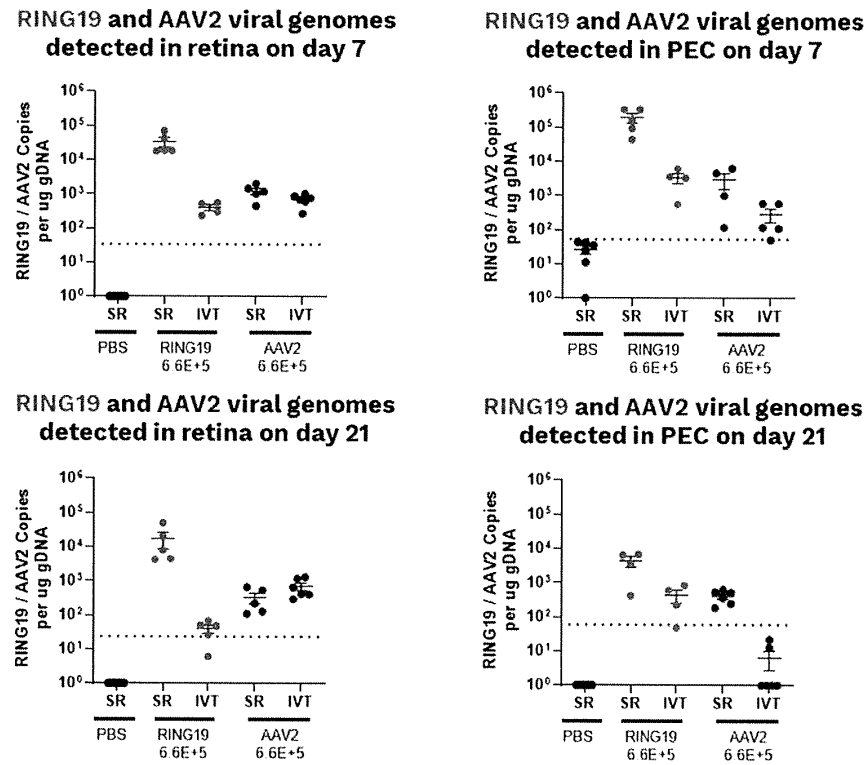


FIG. 57

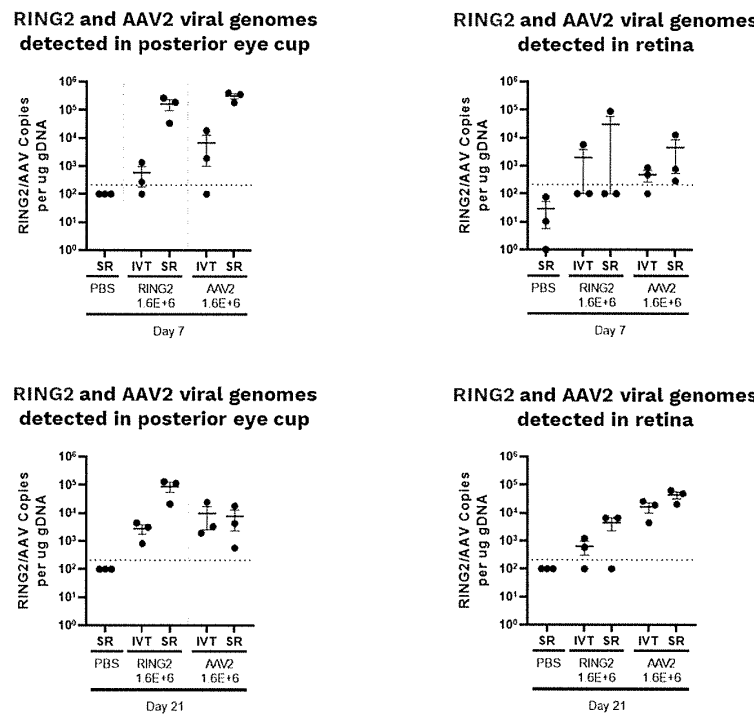
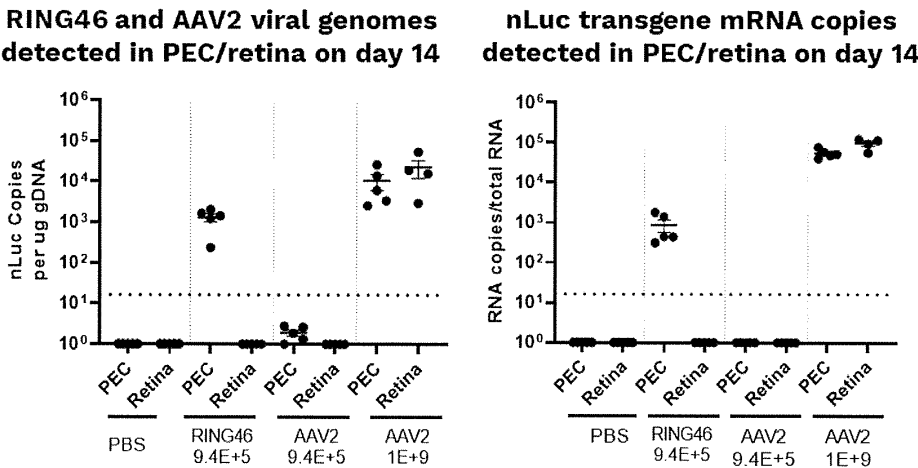


FIG. 58



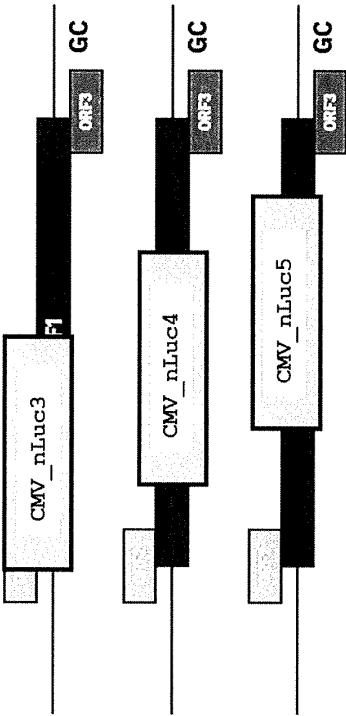


FIG. 59A

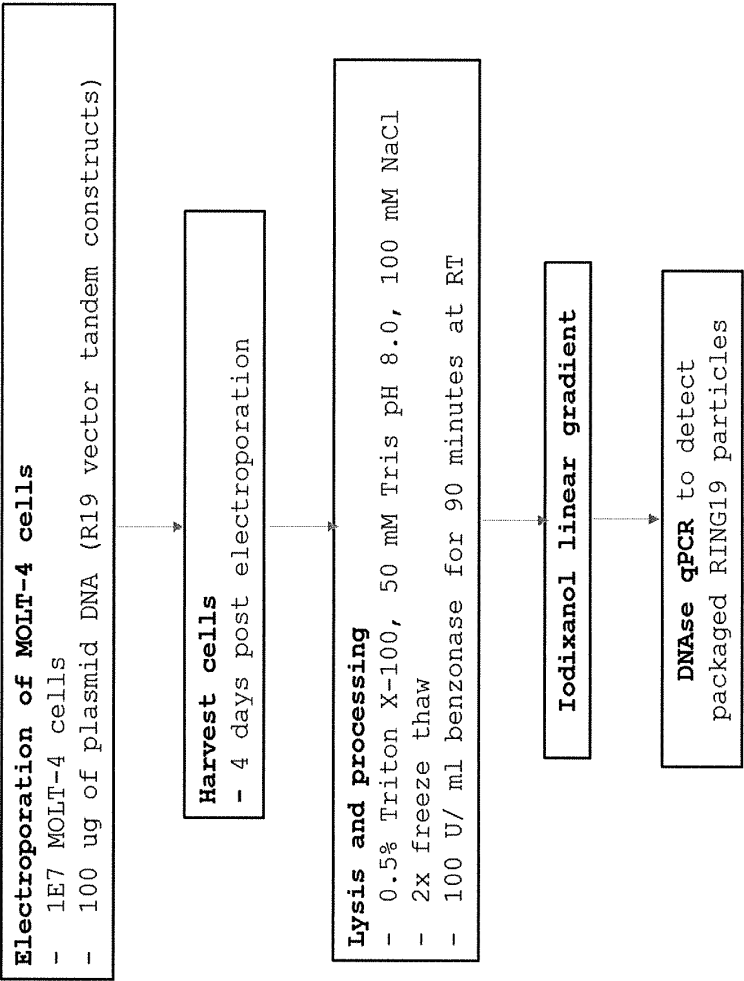


FIG. 59B

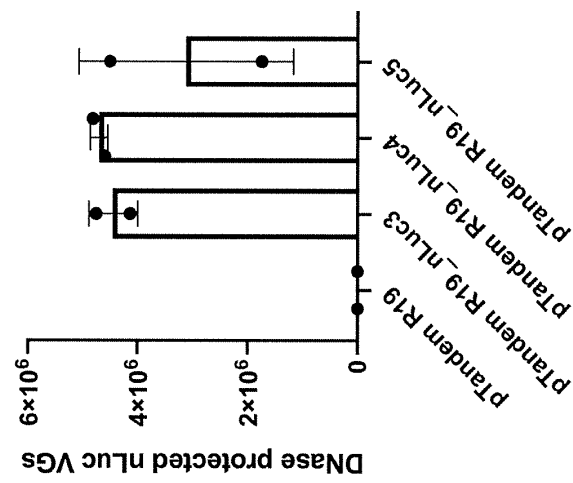


FIG. 60

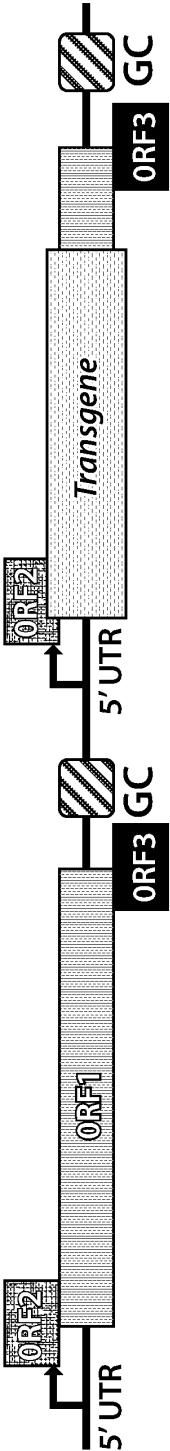
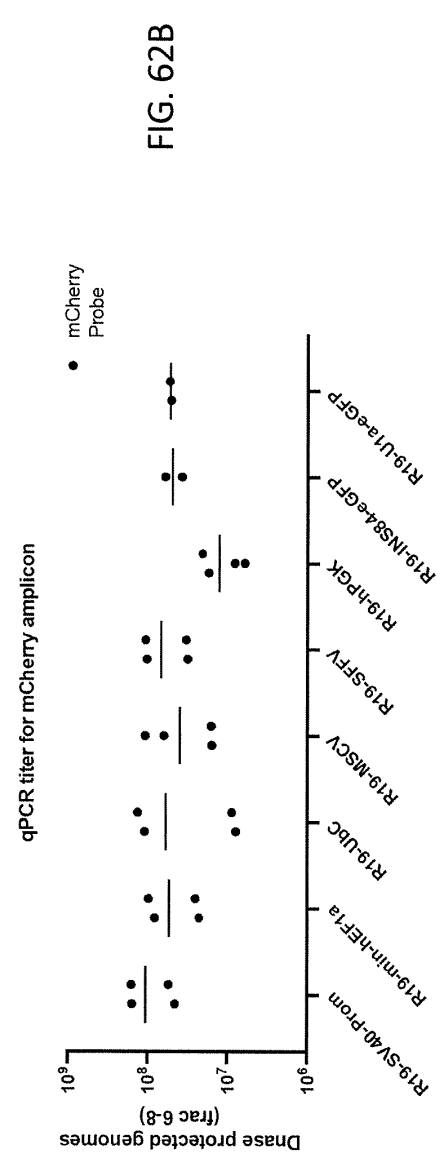
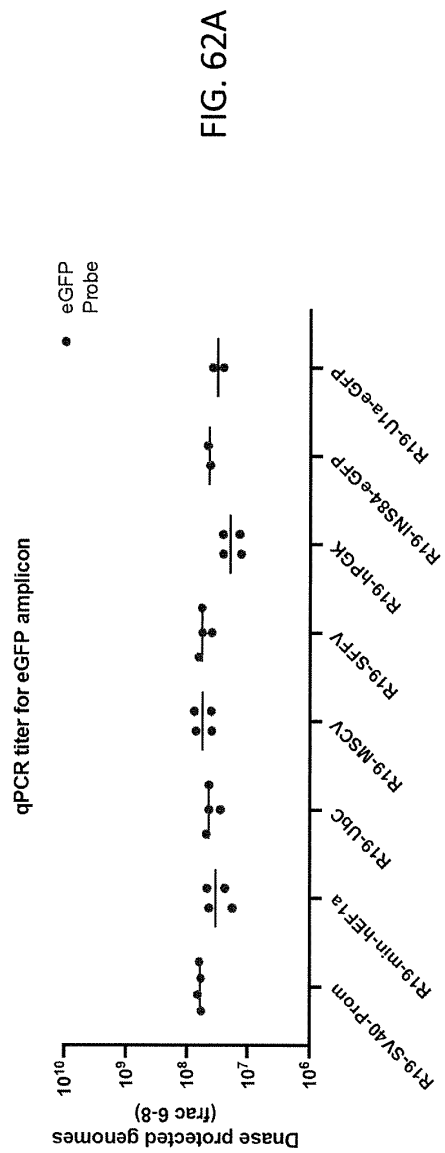
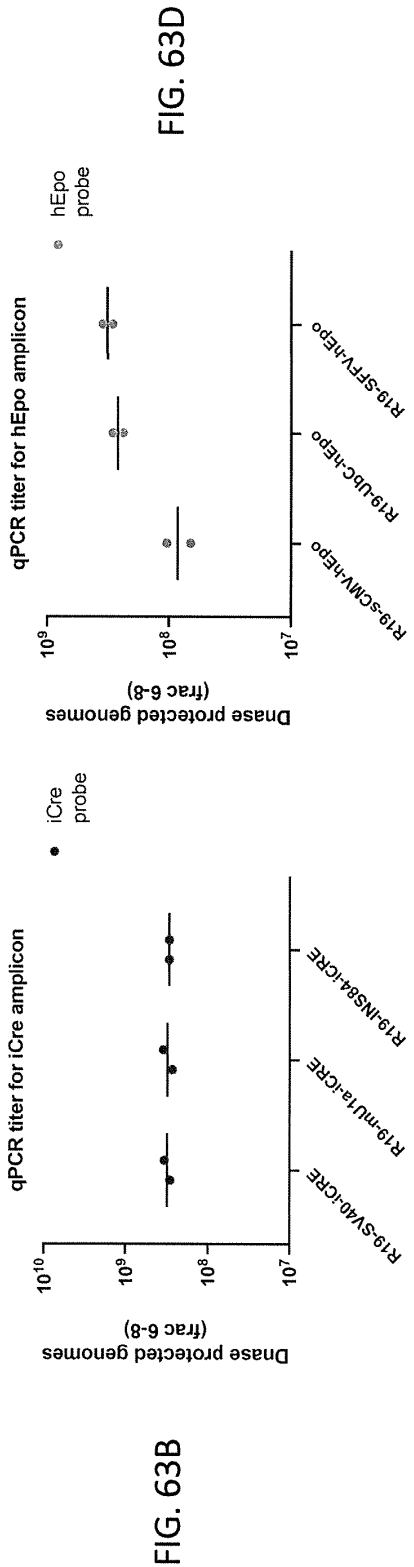
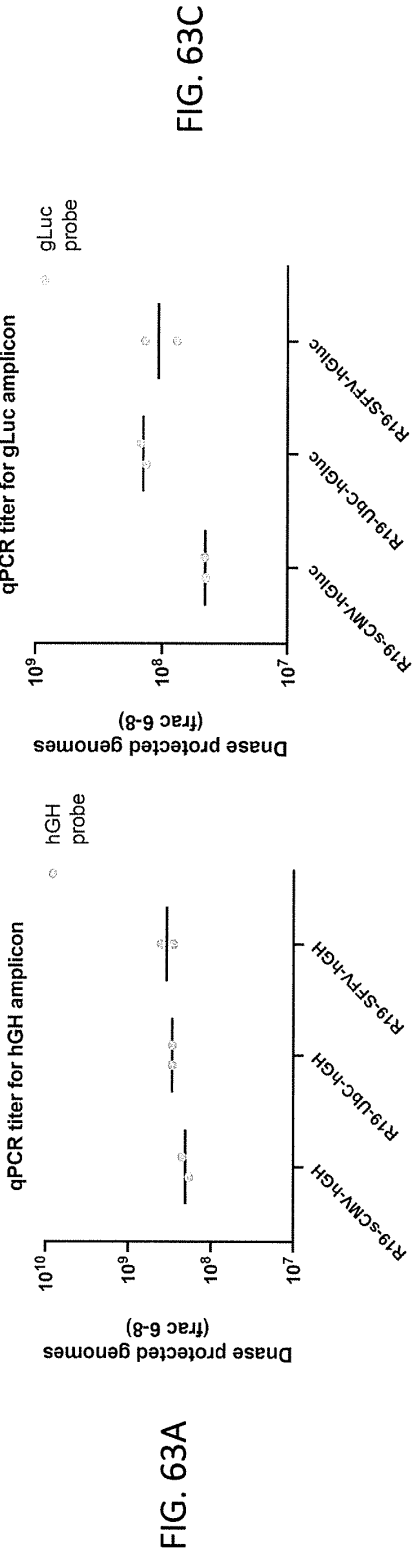


FIGURE 61





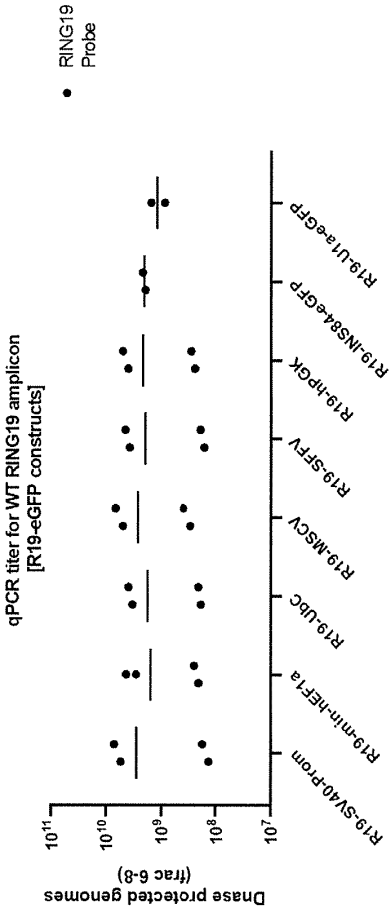


FIG. 64A

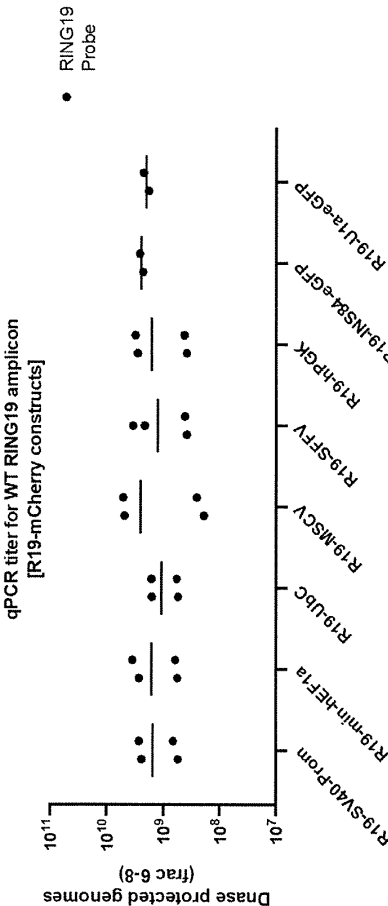


FIG. 64B

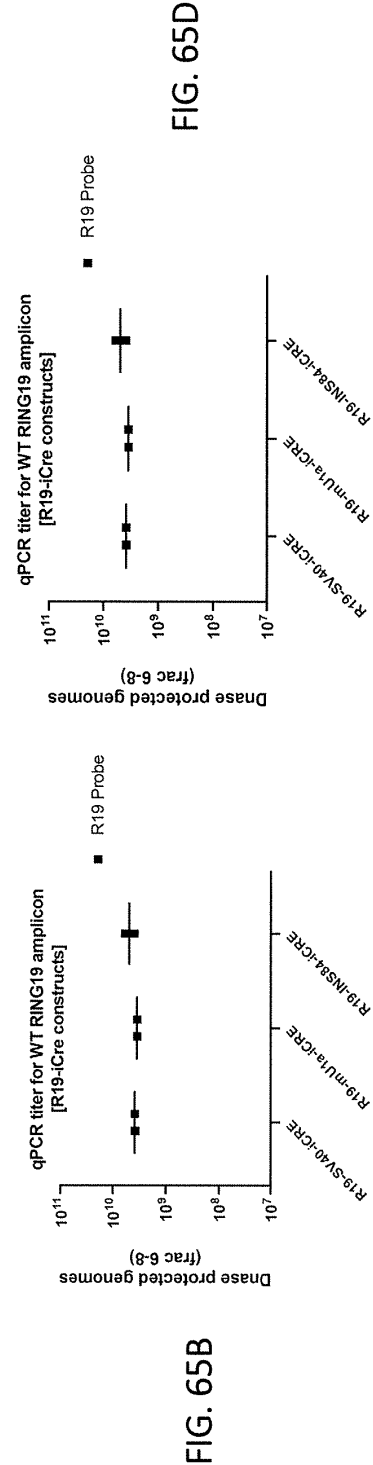
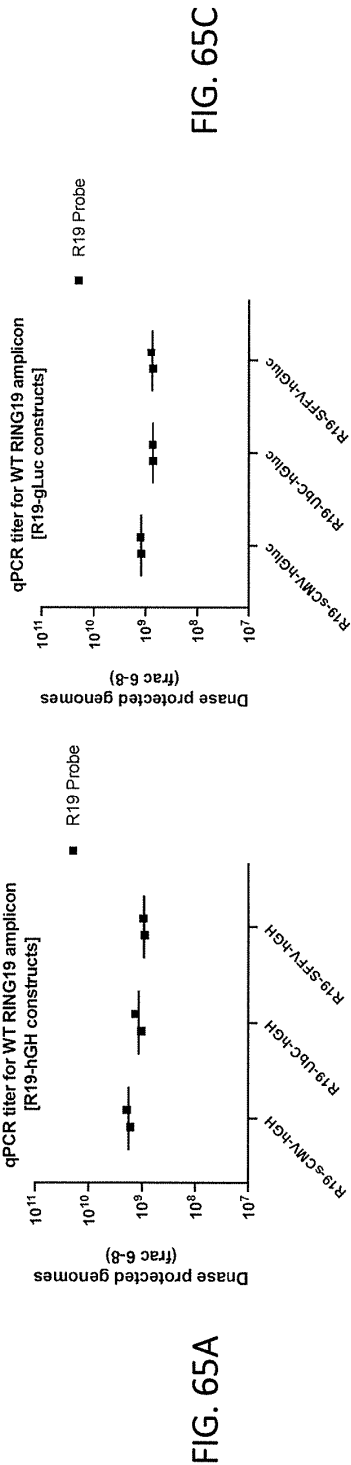


FIG. 65C

FIG. 65D