

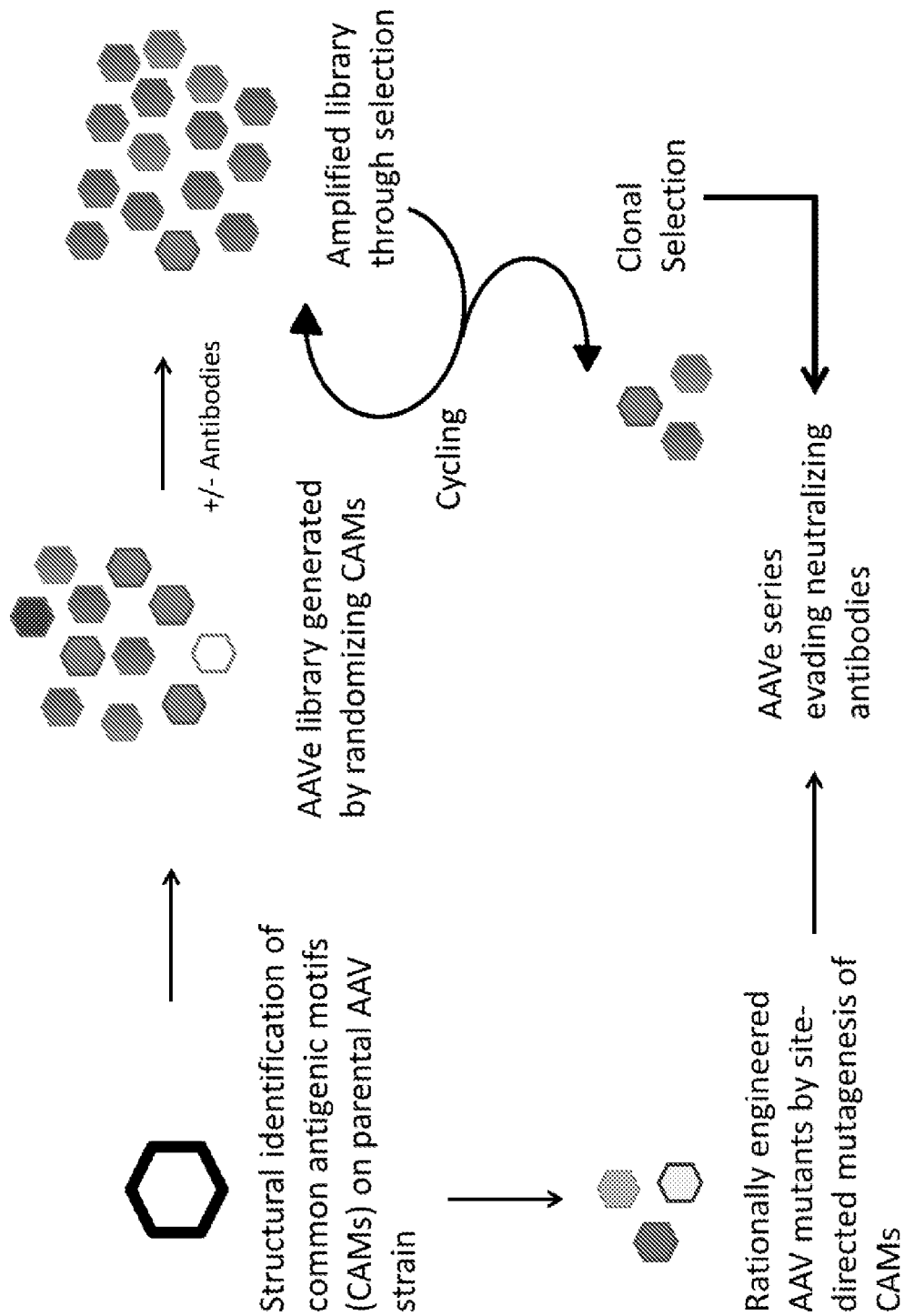


FIG. 1

| Common antigenic motifs chosen for library generation (Refer Table 5) | Number of randomized amino acids within the motif | Theoretical Diversities |
|-----------------------------------------------------------------------|---------------------------------------------------|-------------------------|
| CAM4                                                                  | 4                                                 | $1.60 \times 10^5$      |
| CAM5                                                                  | 7                                                 | $1.28 \times 10^9$      |
| CAM8                                                                  | 8                                                 | $2.56 \times 10^{10}$   |
| CAM9                                                                  | 9                                                 | $5.12 \times 10^{11}$   |

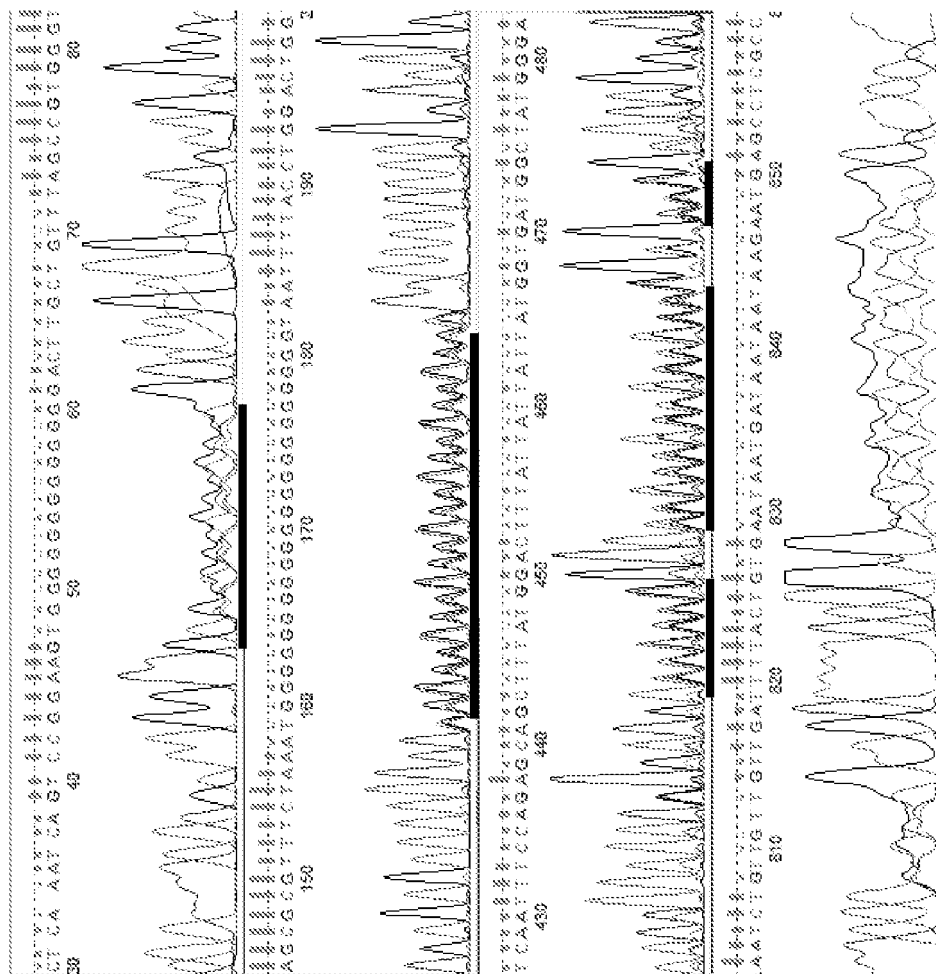


FIG. 2

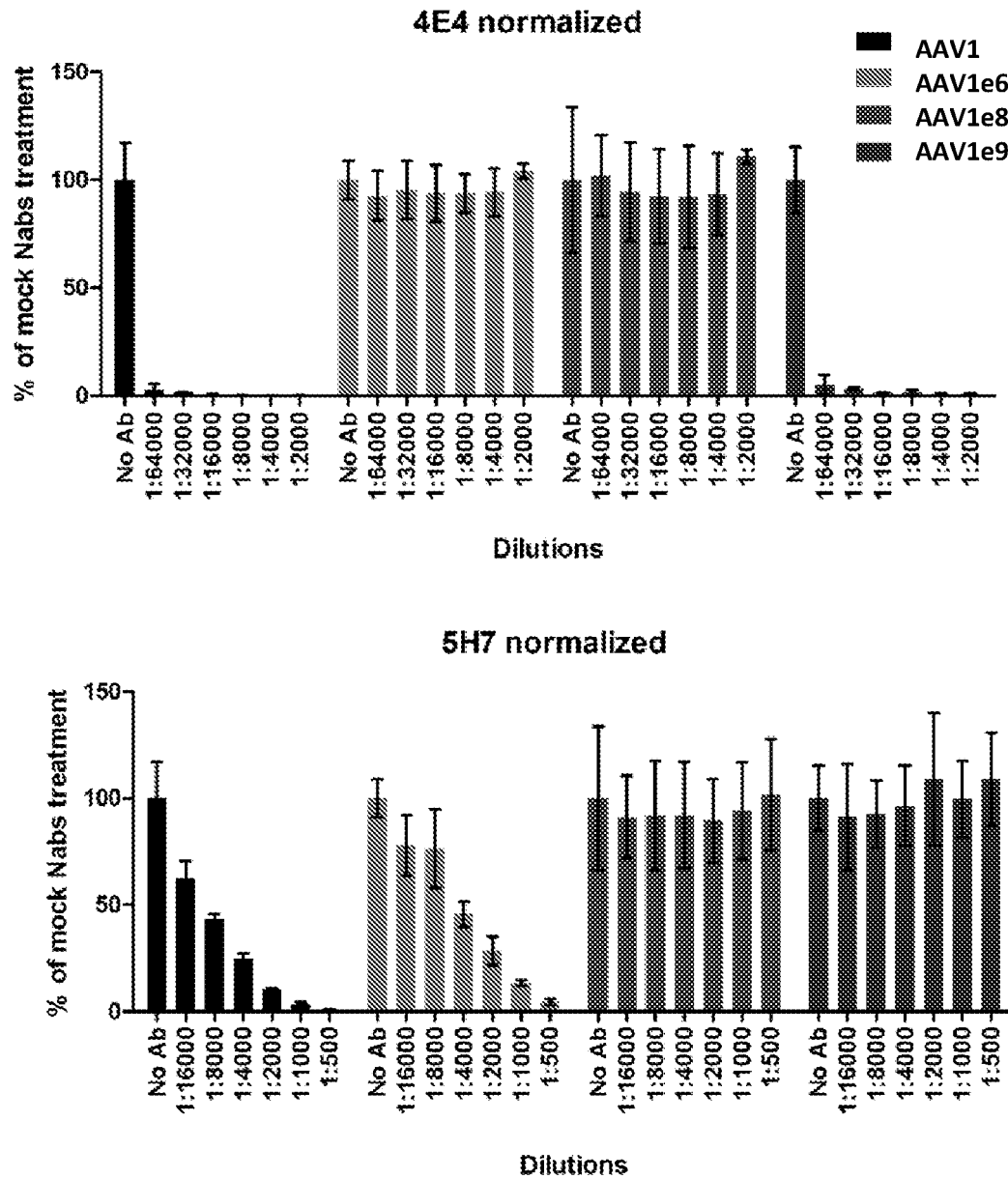


FIG. 3

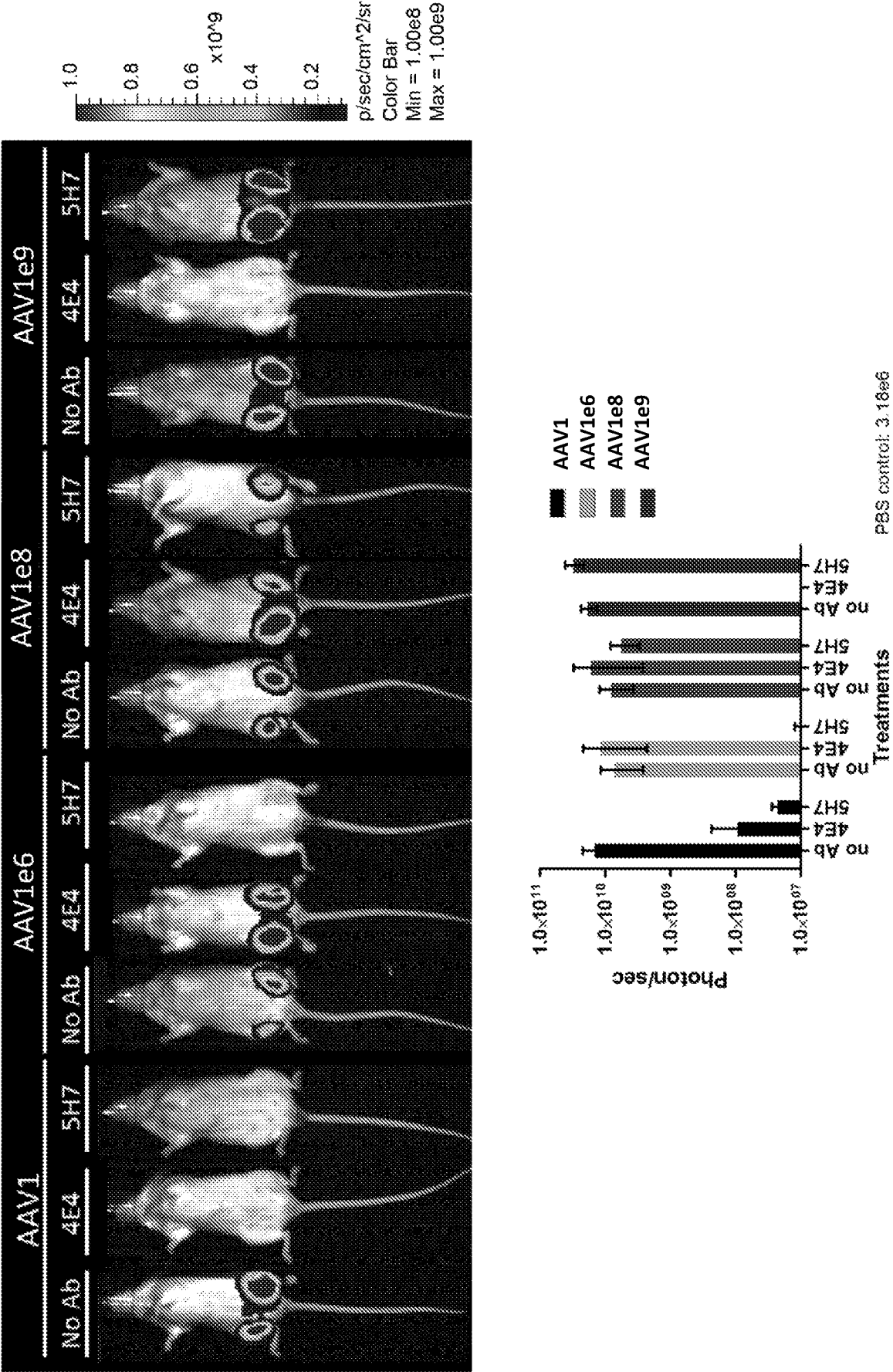


FIG. 4



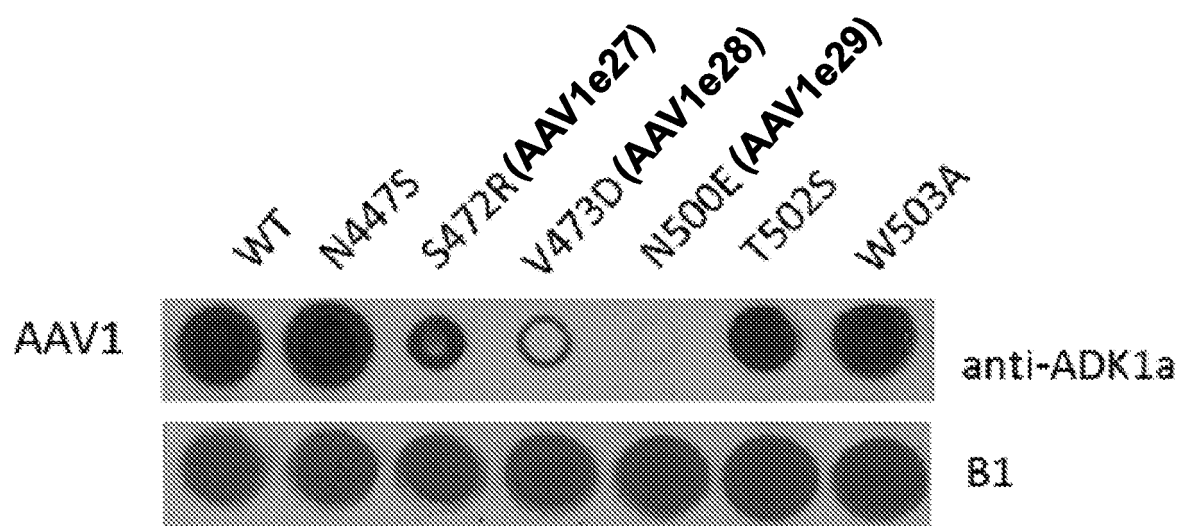


FIG. 6

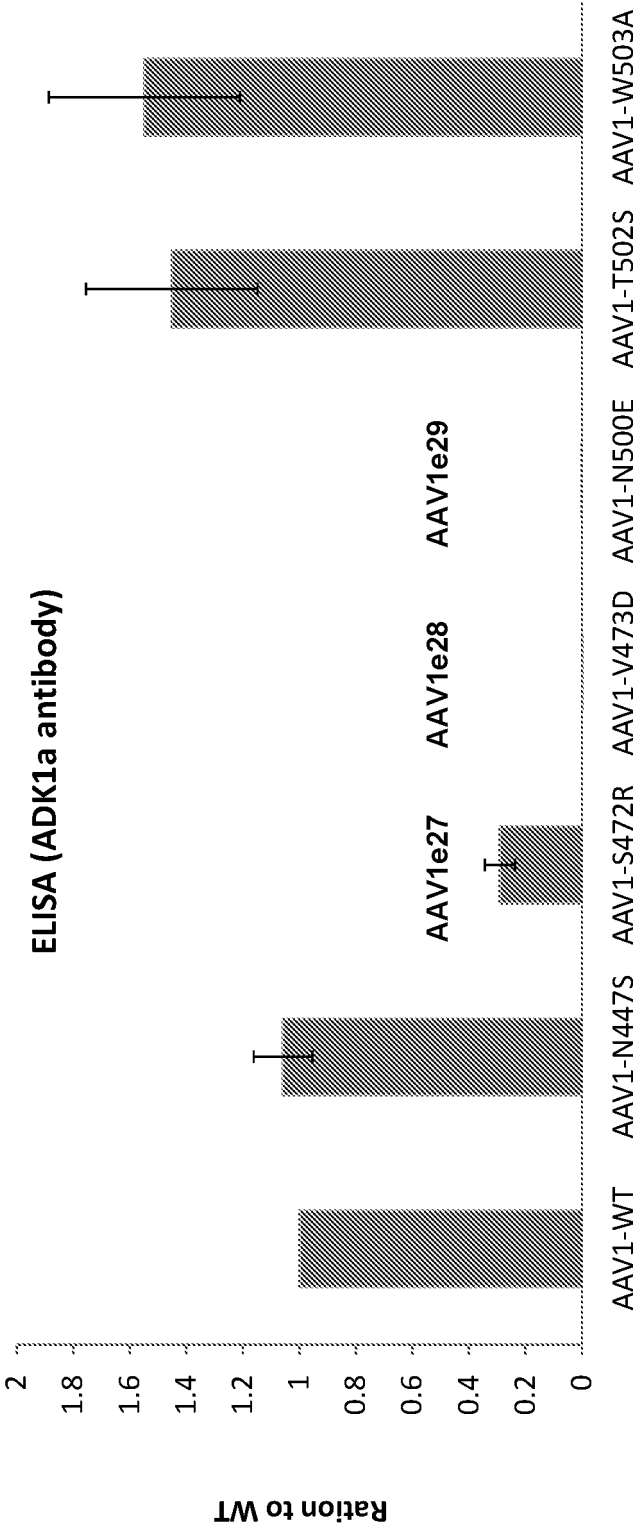


FIG. 7

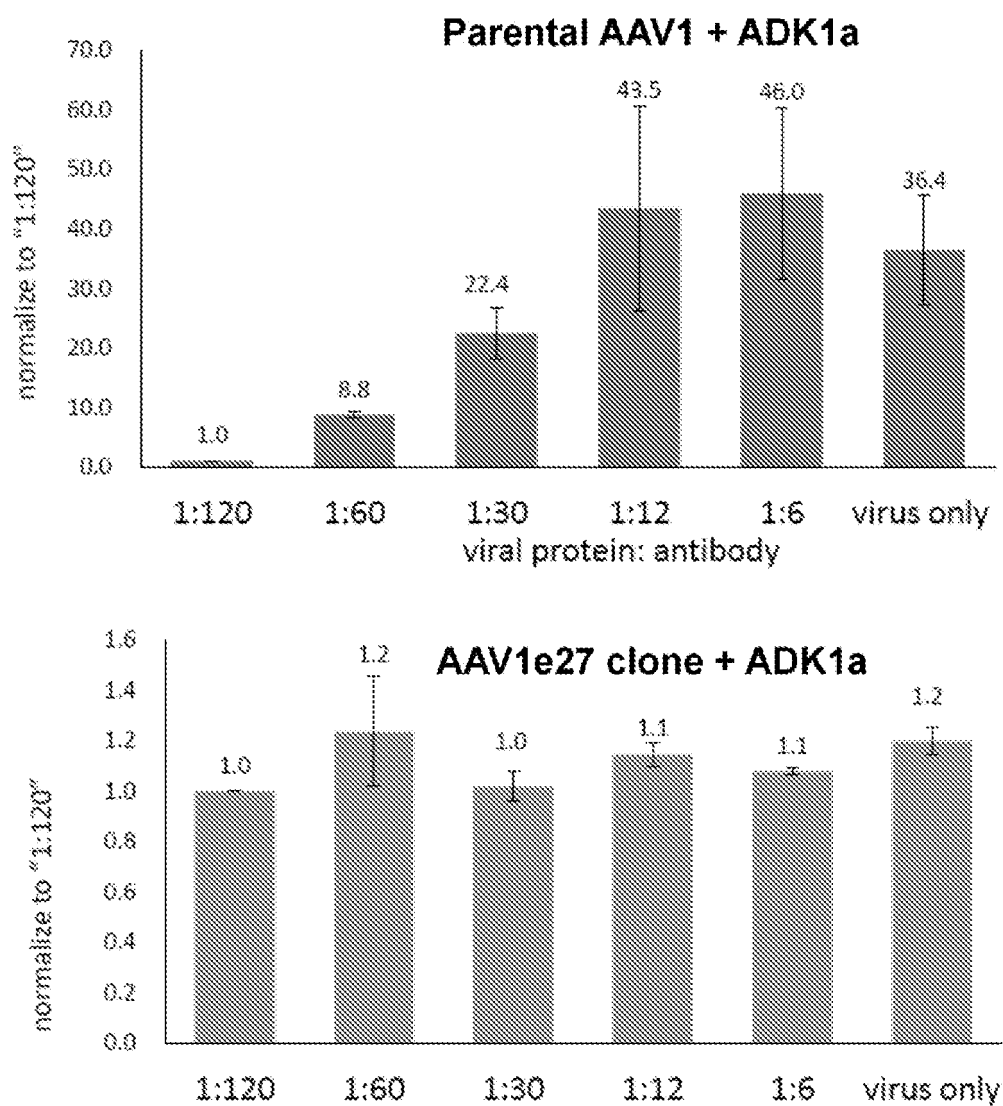


FIG. 8

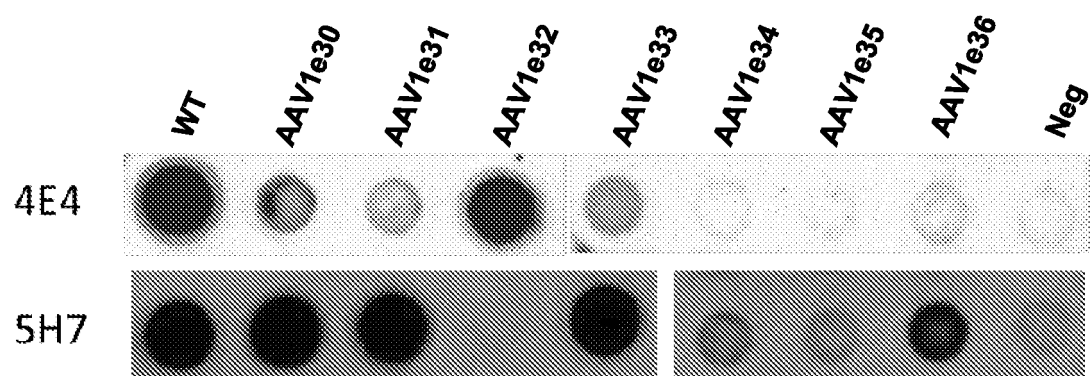


FIG. 9

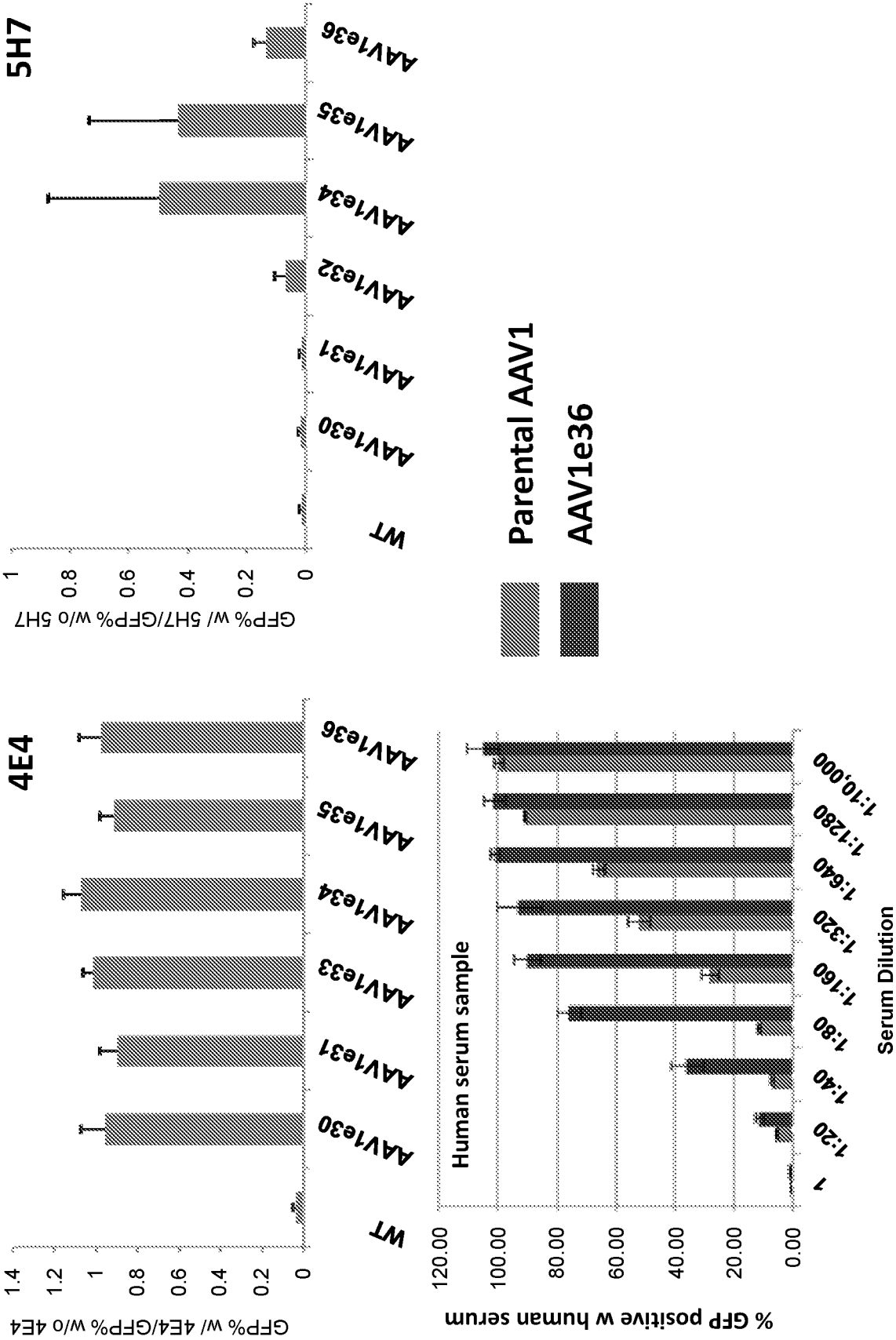


FIG. 10

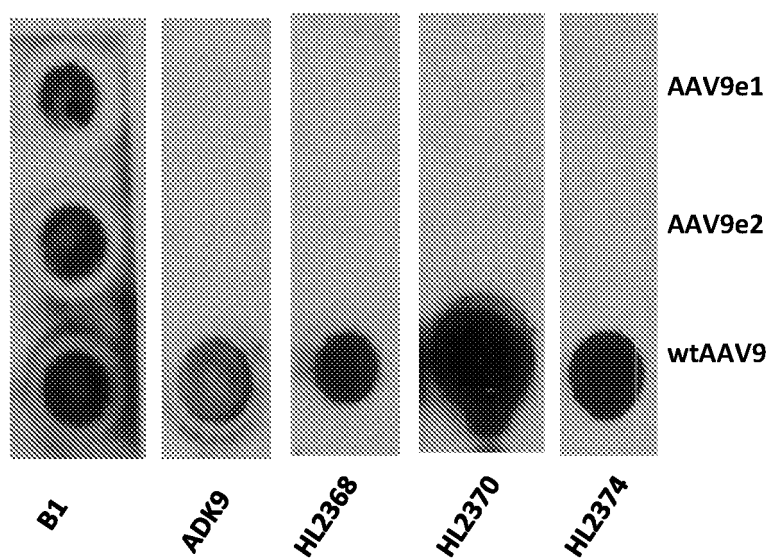


FIG. 11

**Cryo-reconstruction of AAV-NAb  
Complexs**

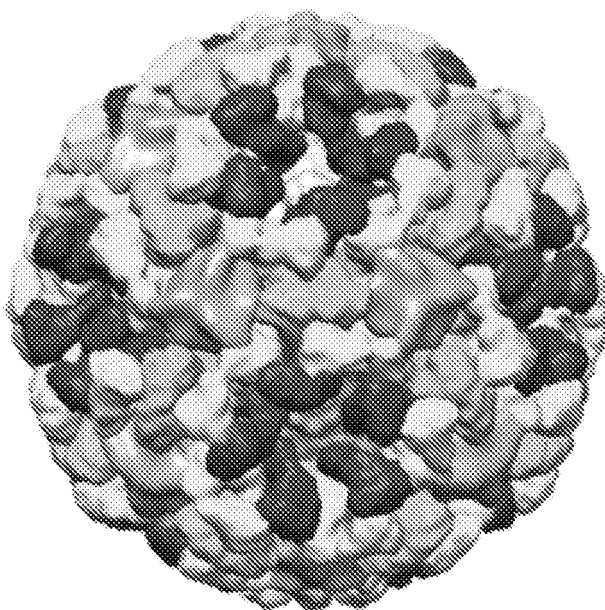


**FIG. 12A**

**Mapping Antigenic Footprints on  
the AAV Capsid Surface**

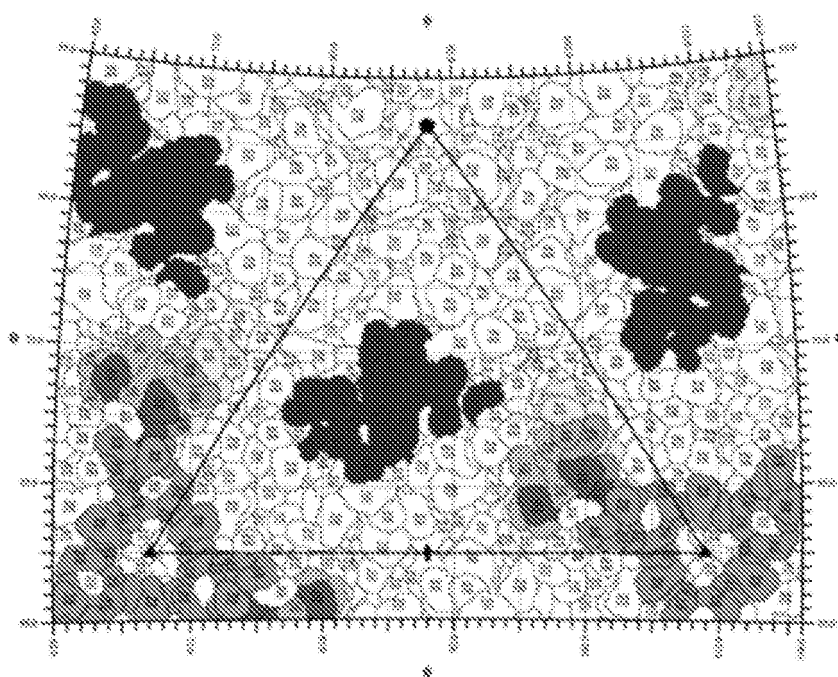


**FIG. 12B**

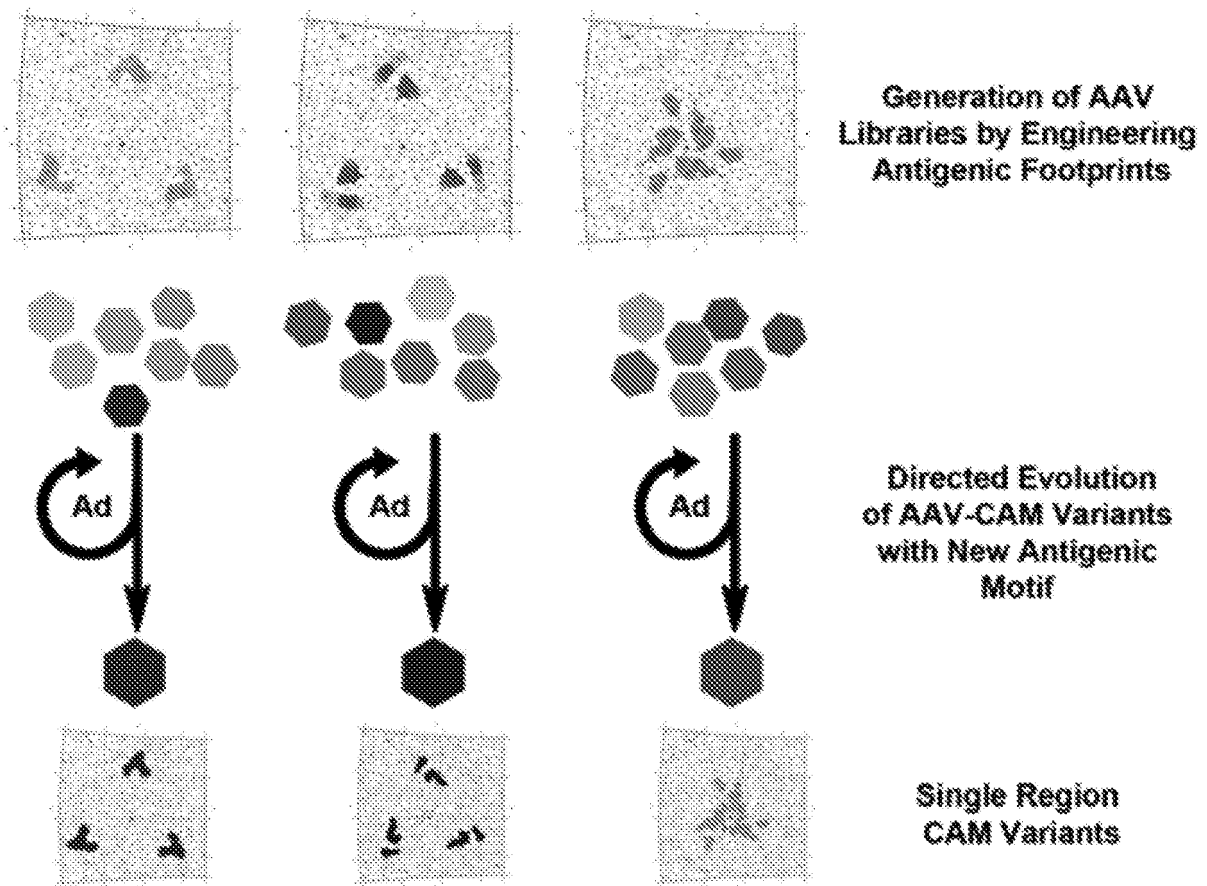


FIG. 12C

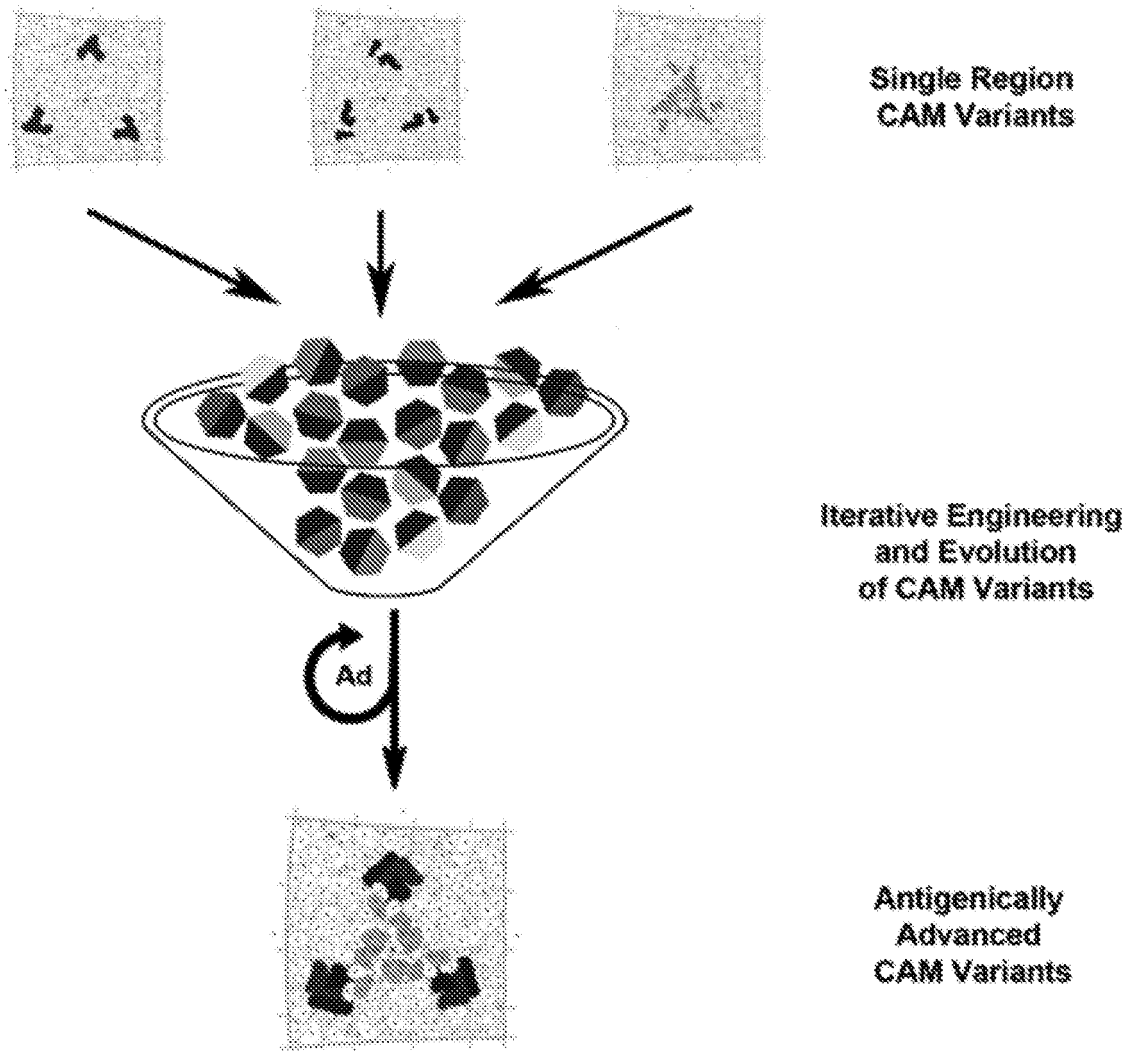


FIG. 12D

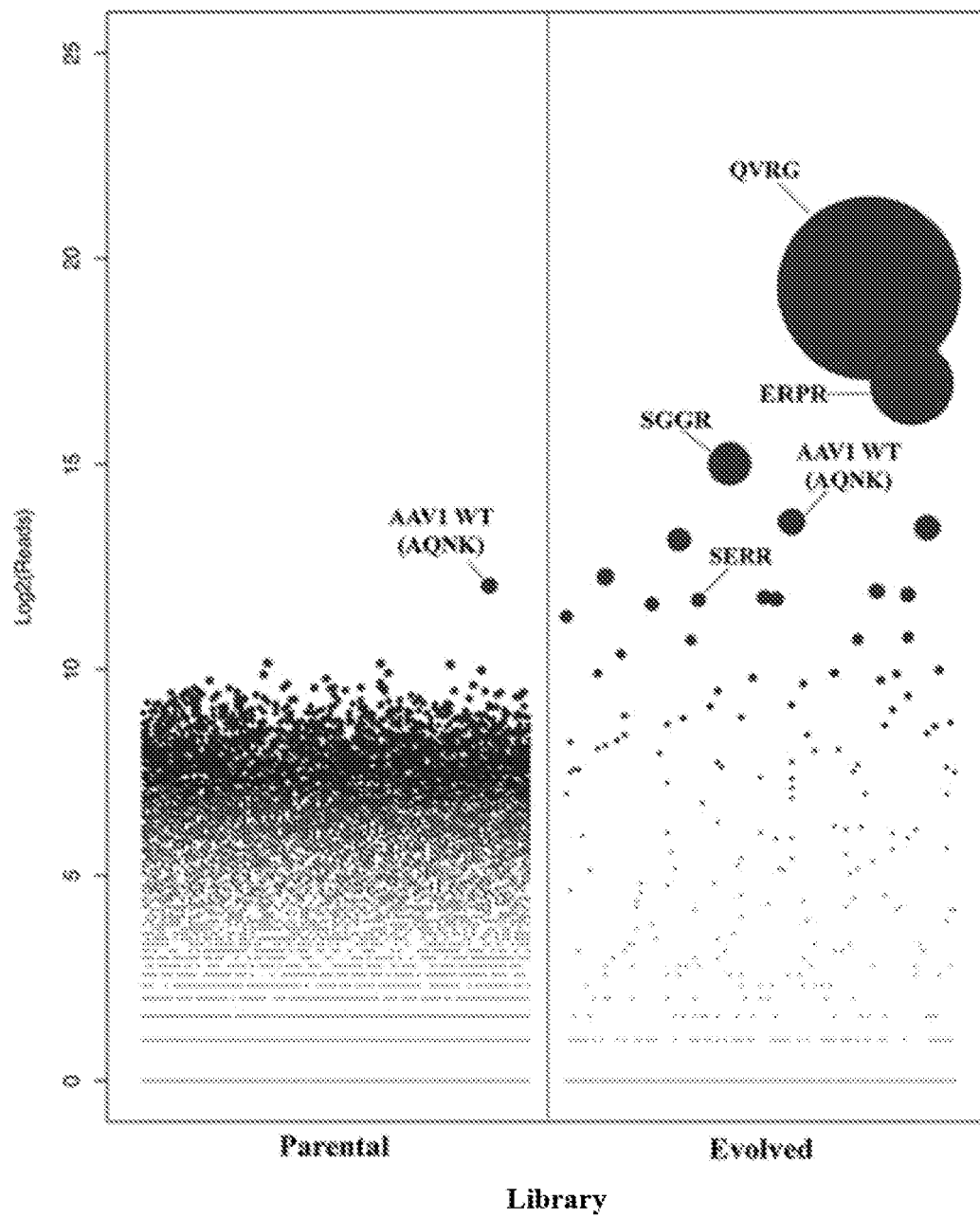


FIG. 13A

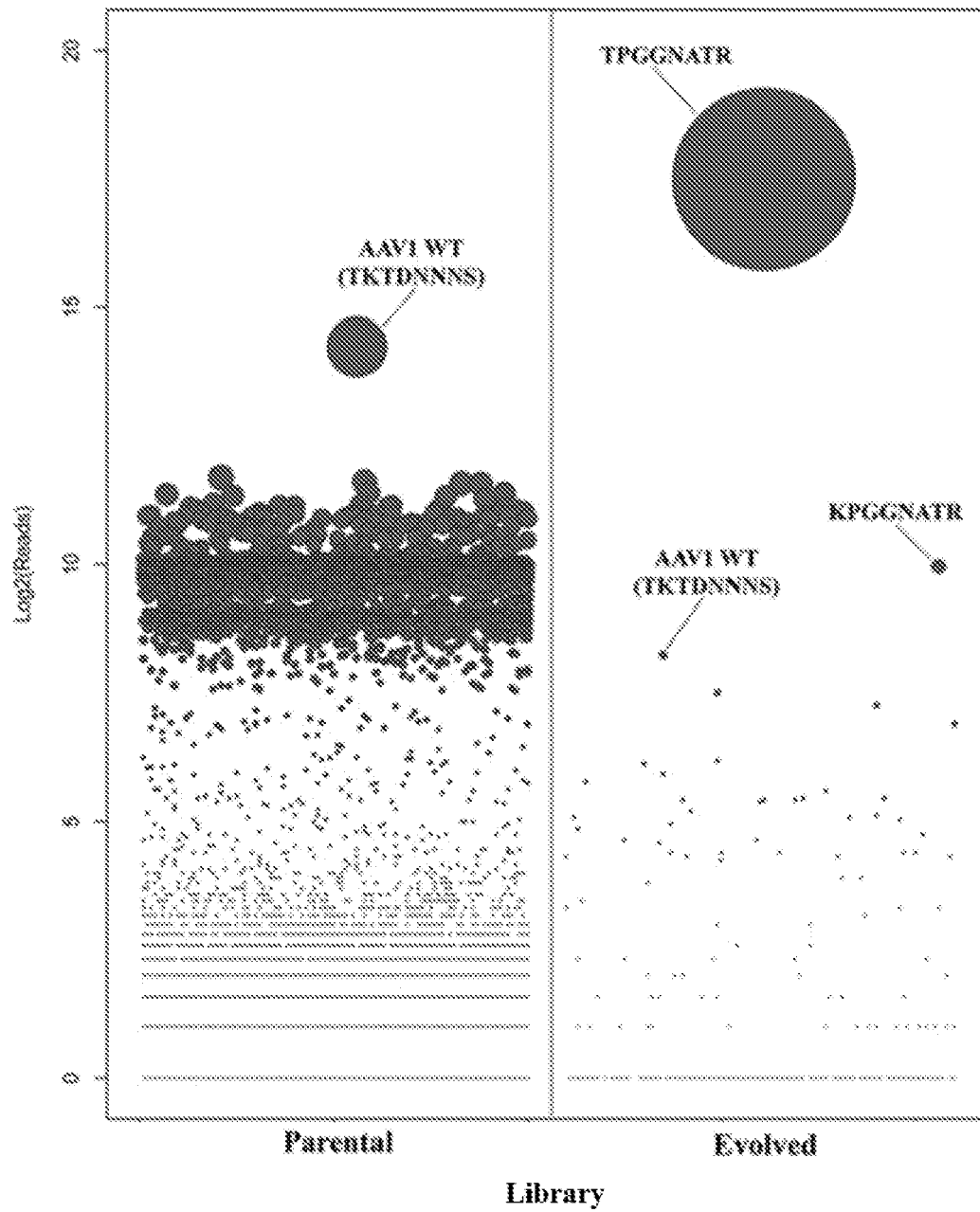


FIG. 13B

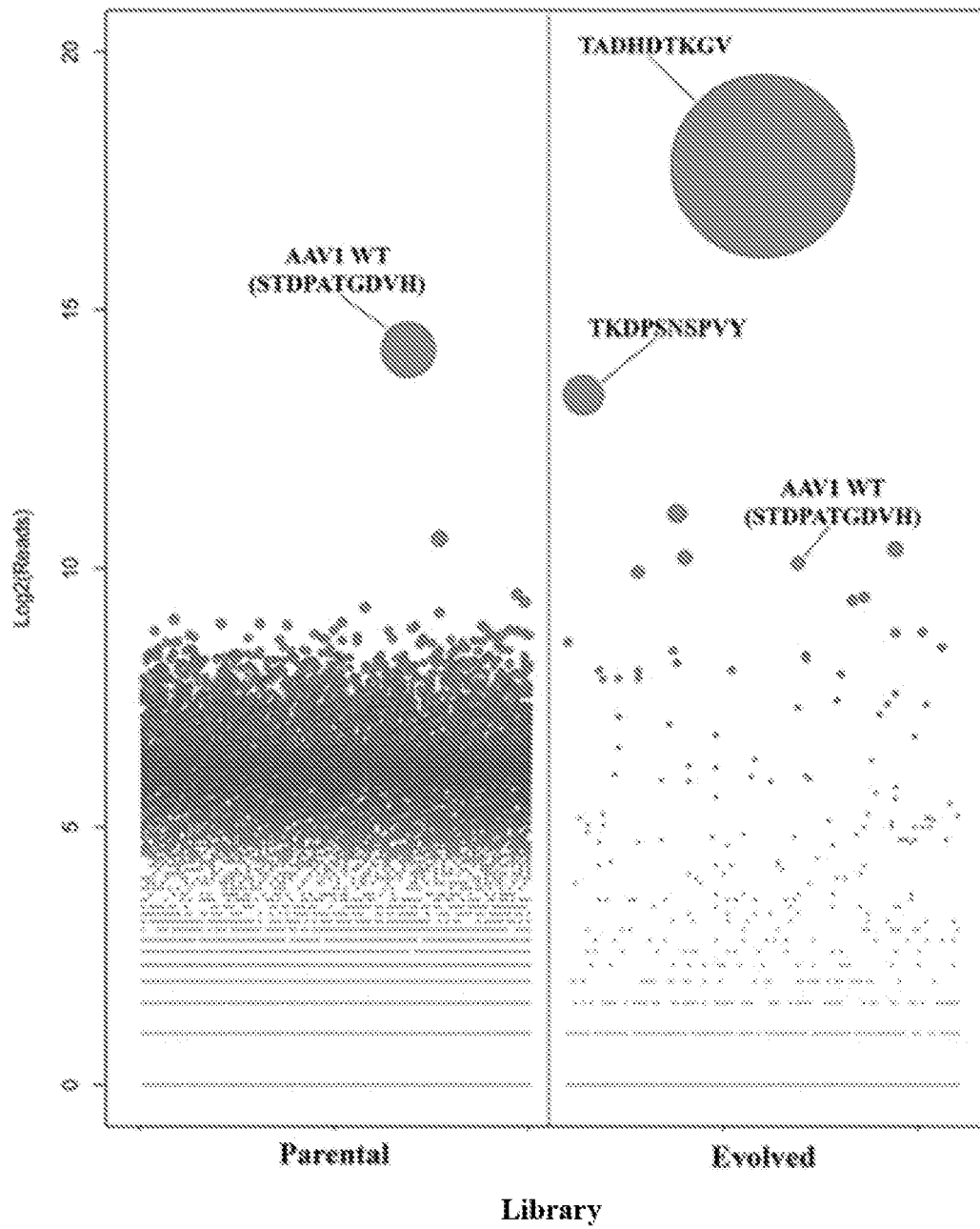


FIG. 13C

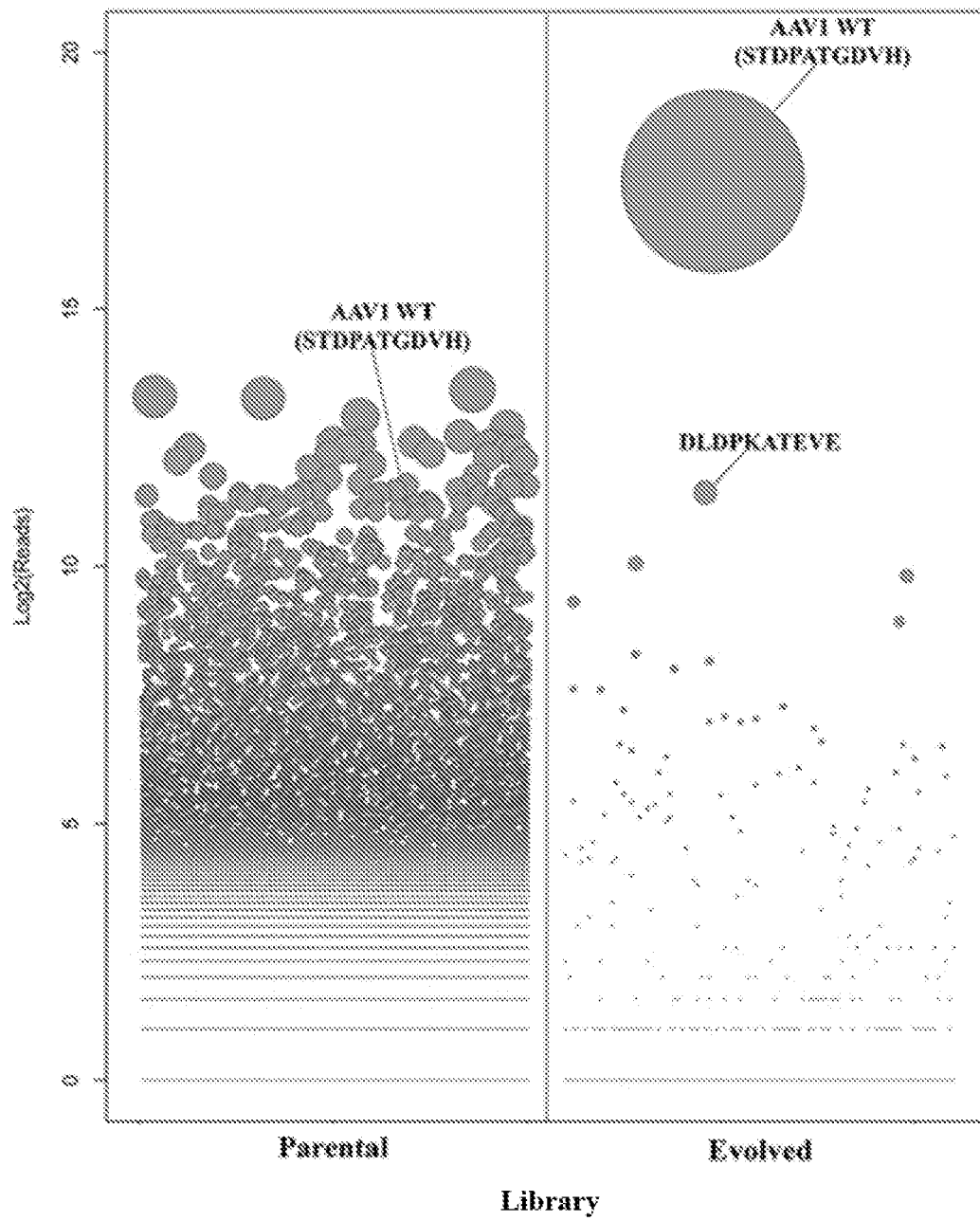


FIG. 13D

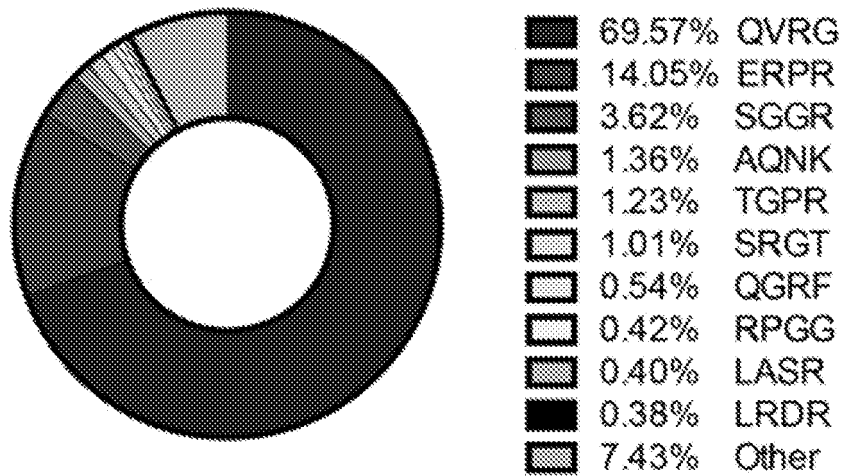


FIG. 13E

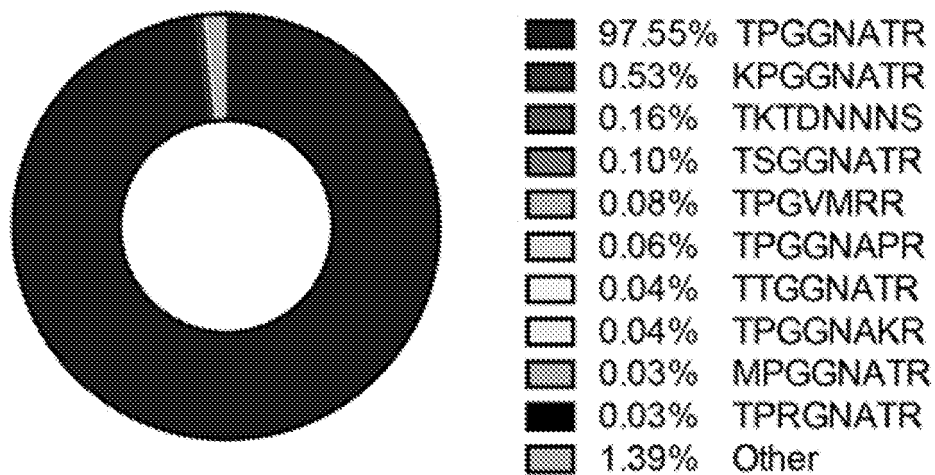


FIG. 13F

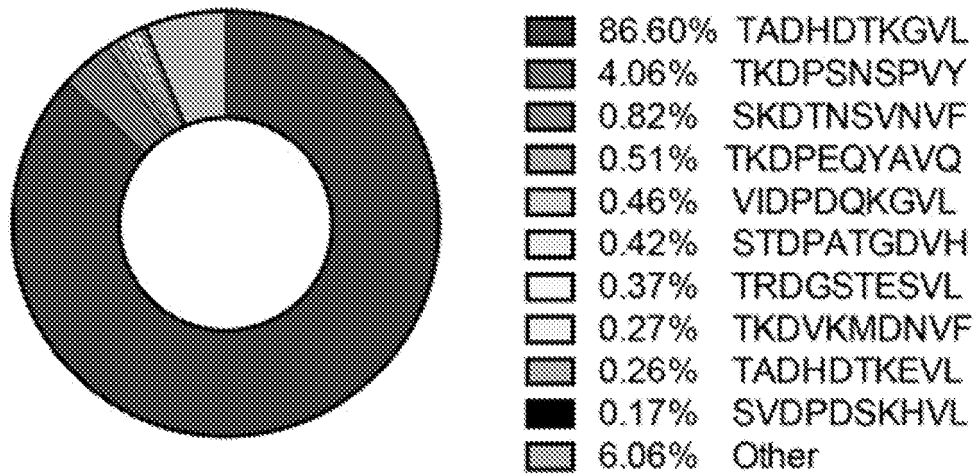


FIG. 13G

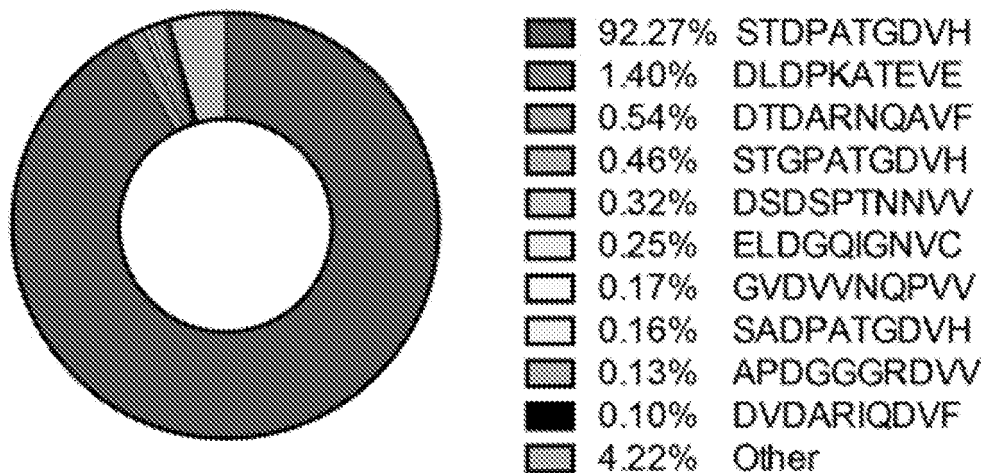


FIG. 13H

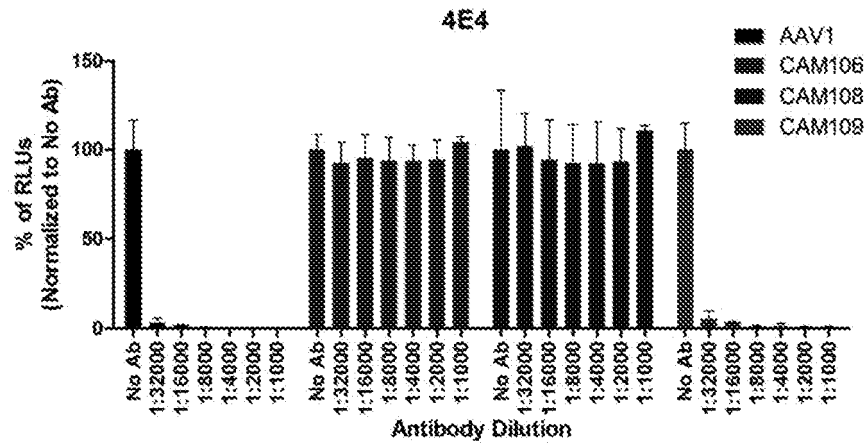


FIG. 14A

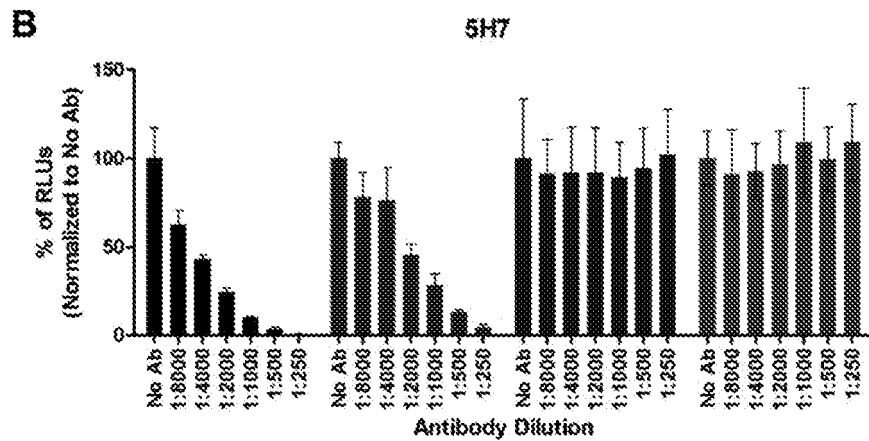


FIG. 14B

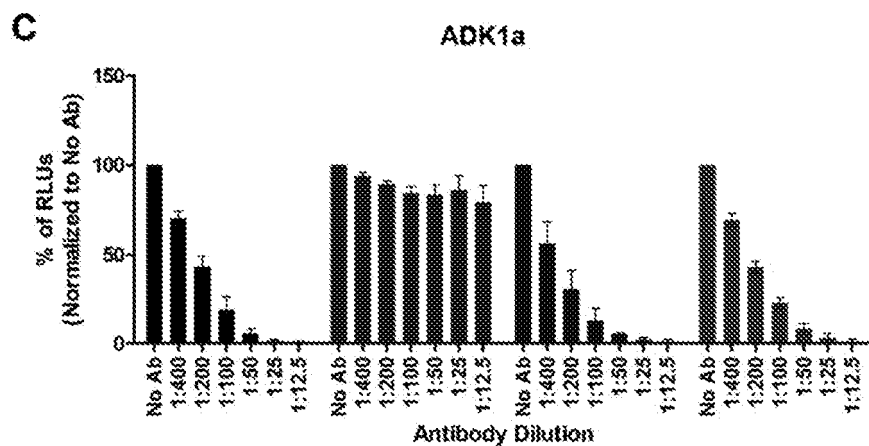


FIG. 14C

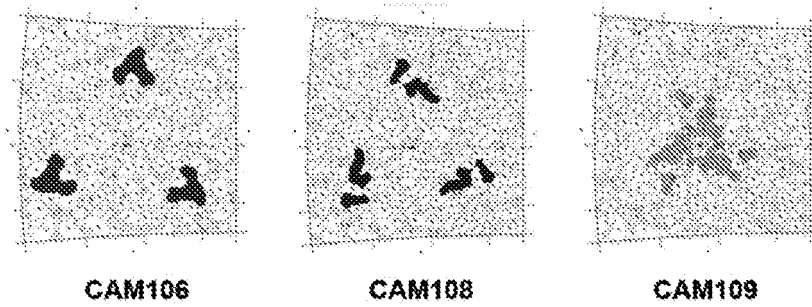


FIG. 14D

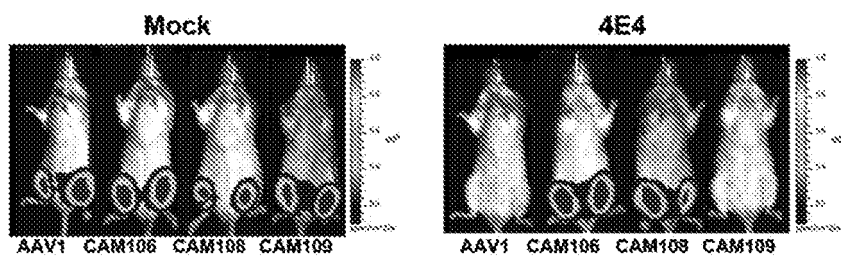


FIG. 14E

FIG. 14F

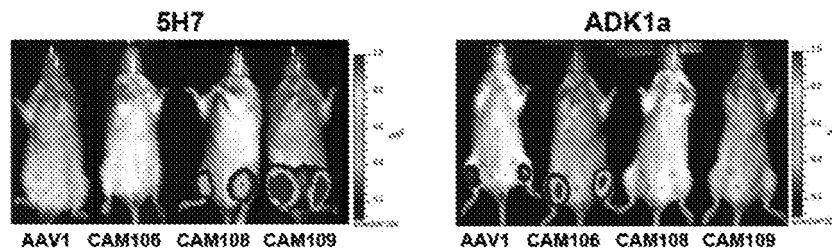


FIG. 14G

FIG. 14H

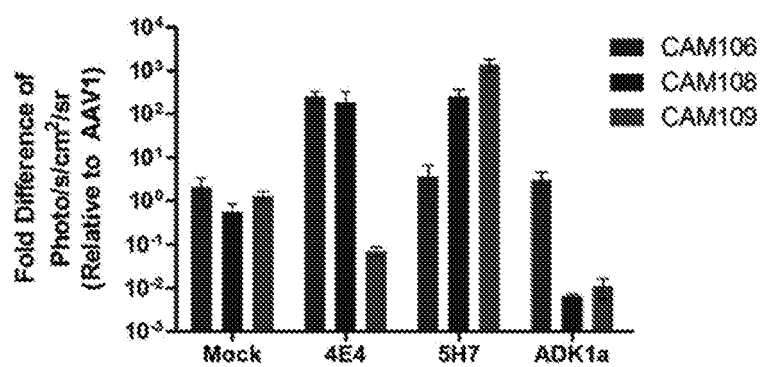


FIG. 14I

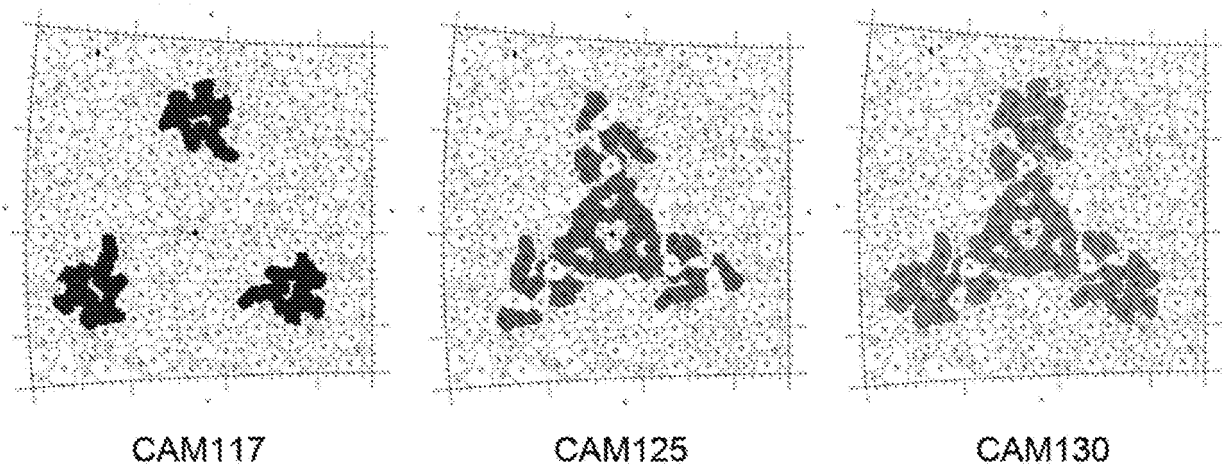


FIG. 15A

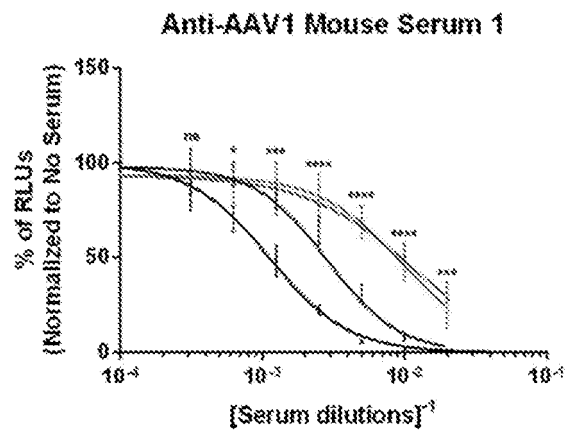


FIG. 15B

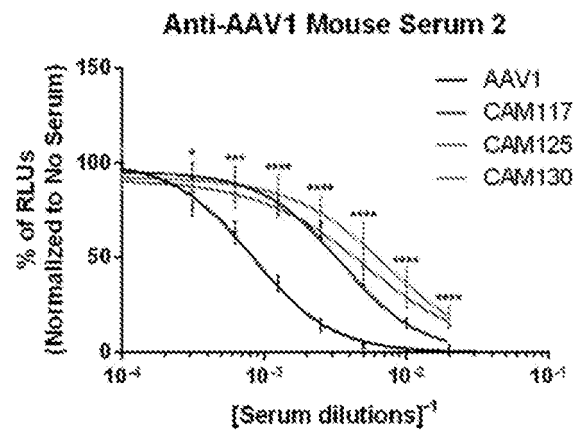


FIG. 15C

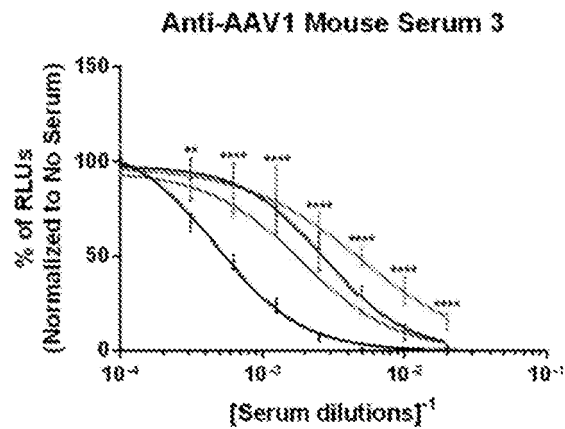


FIG. 15D

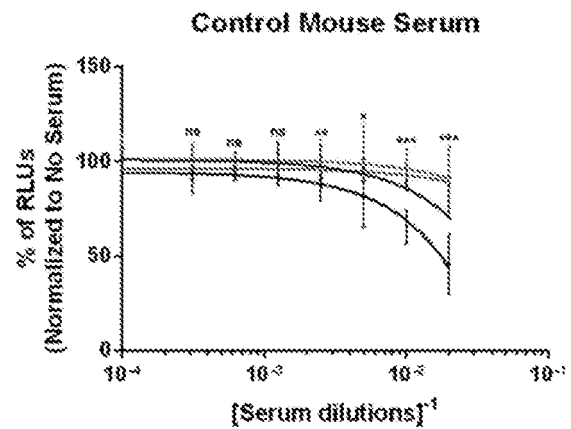


FIG. 15E

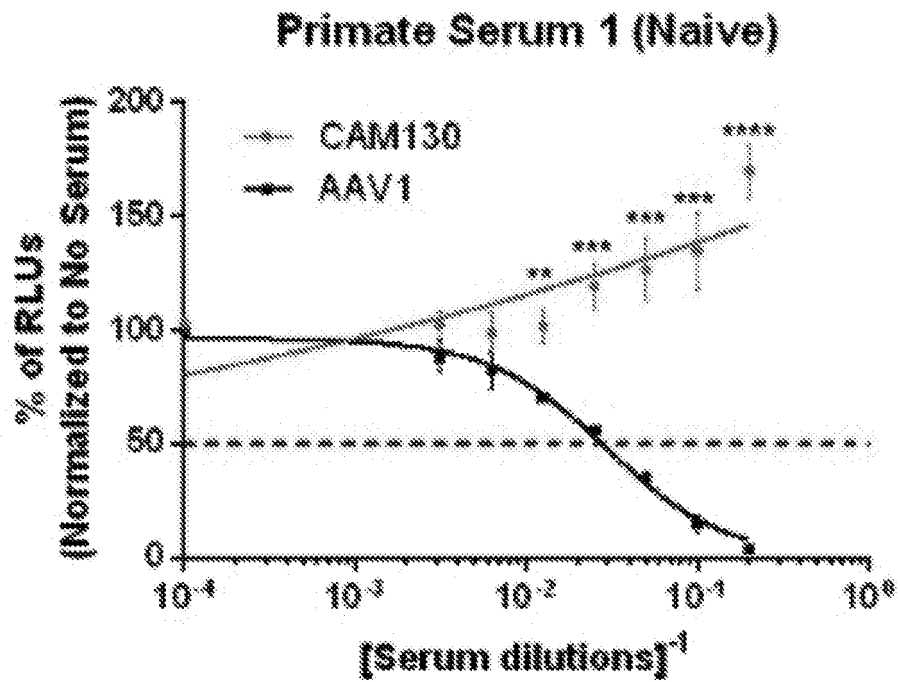


FIG. 16A

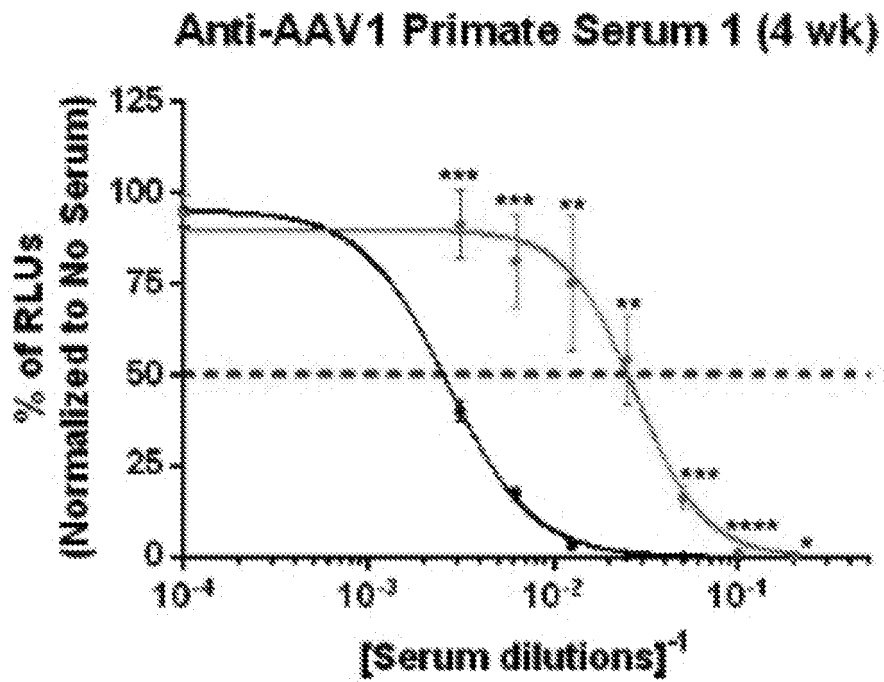
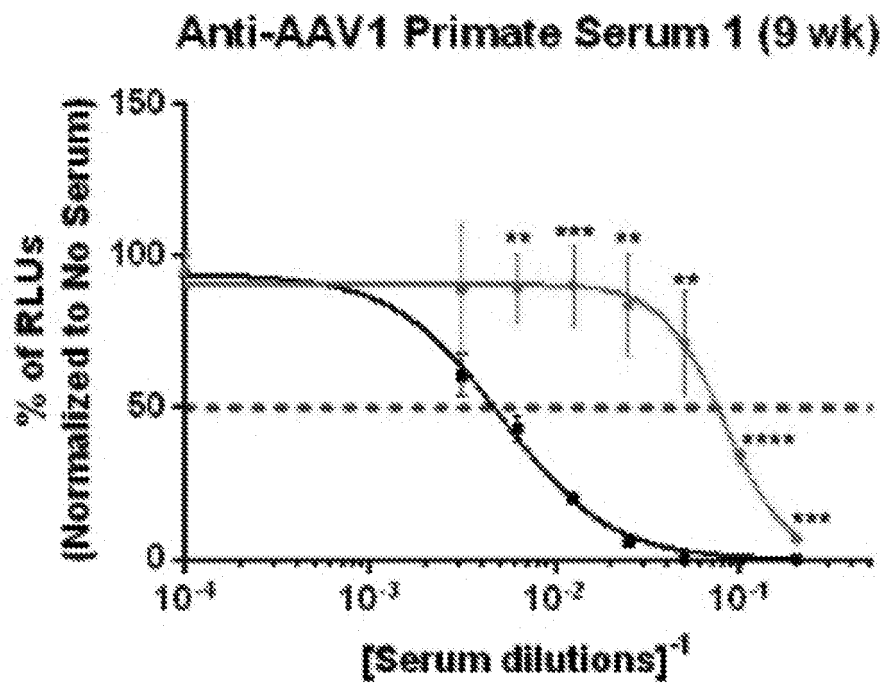
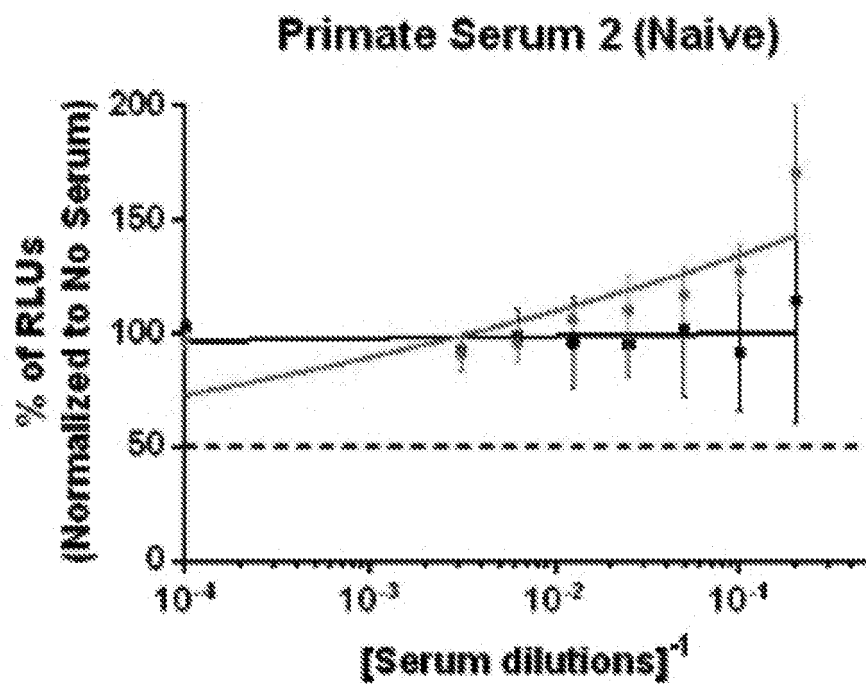
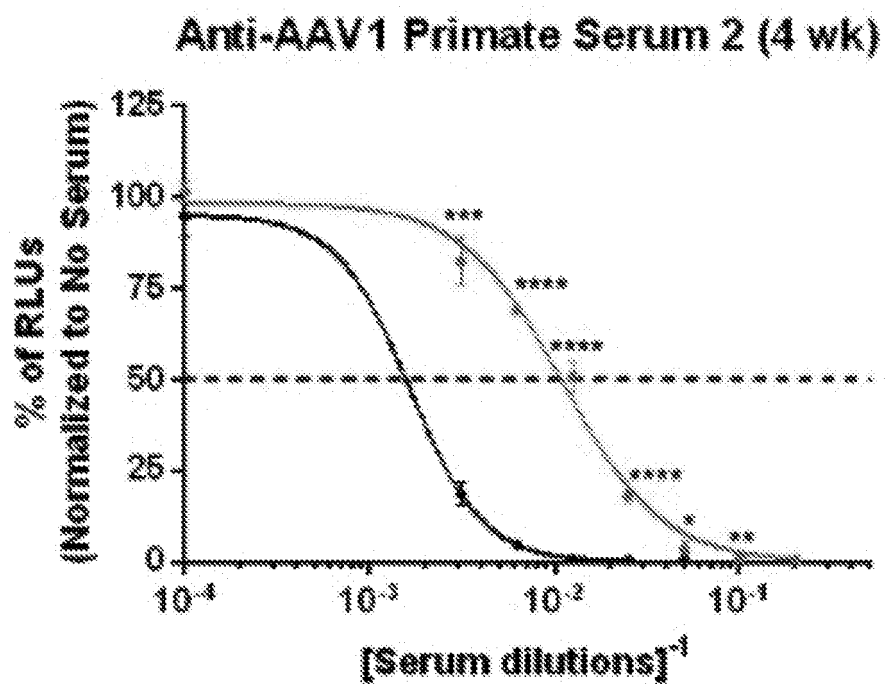
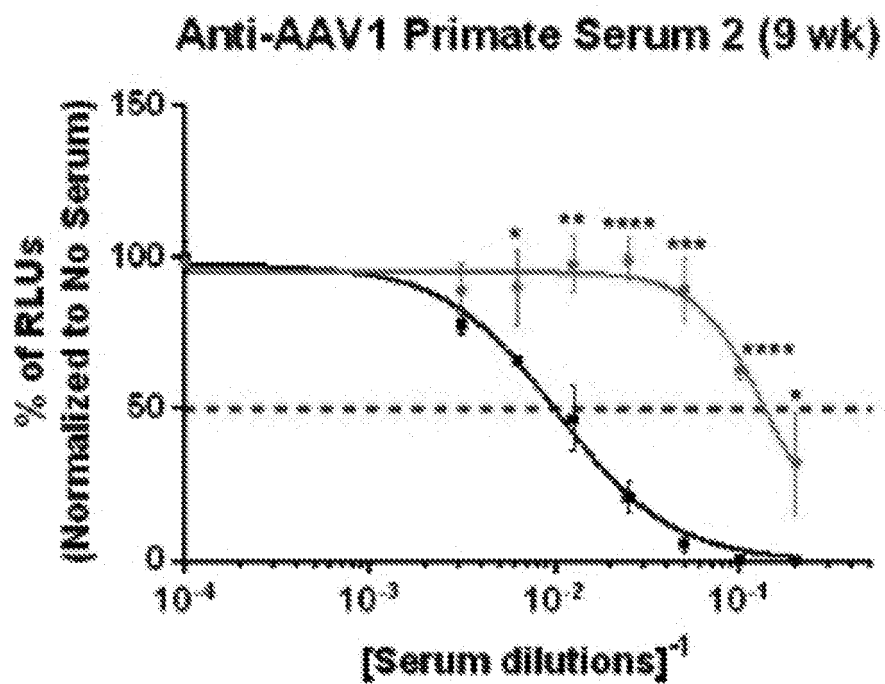


FIG. 16B





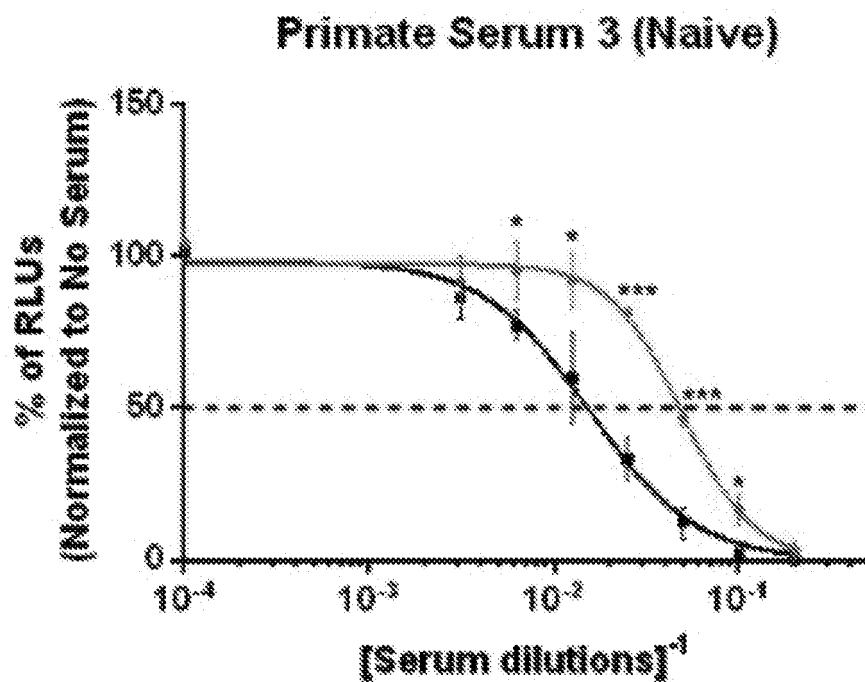


FIG. 16G

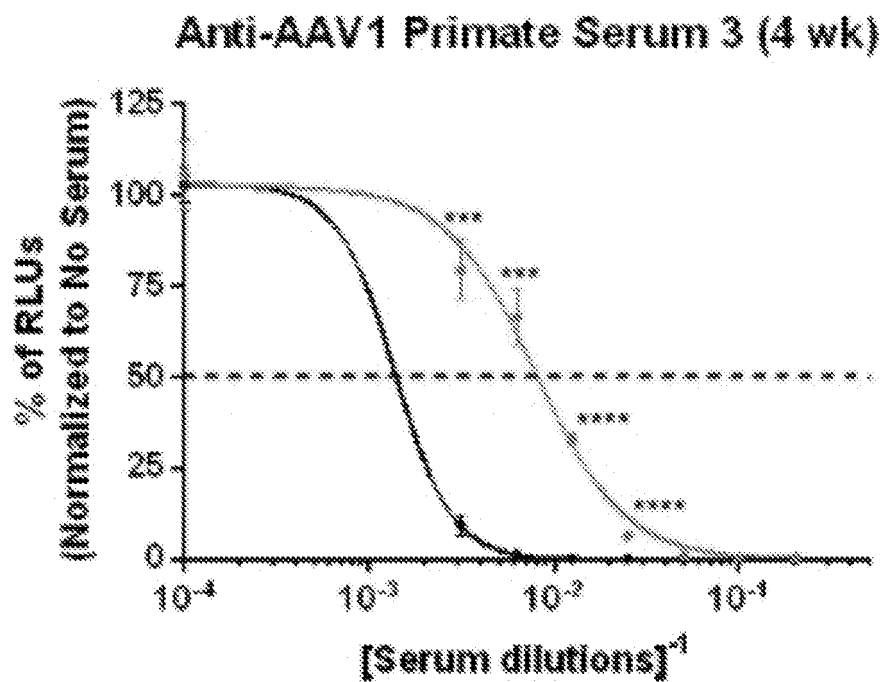
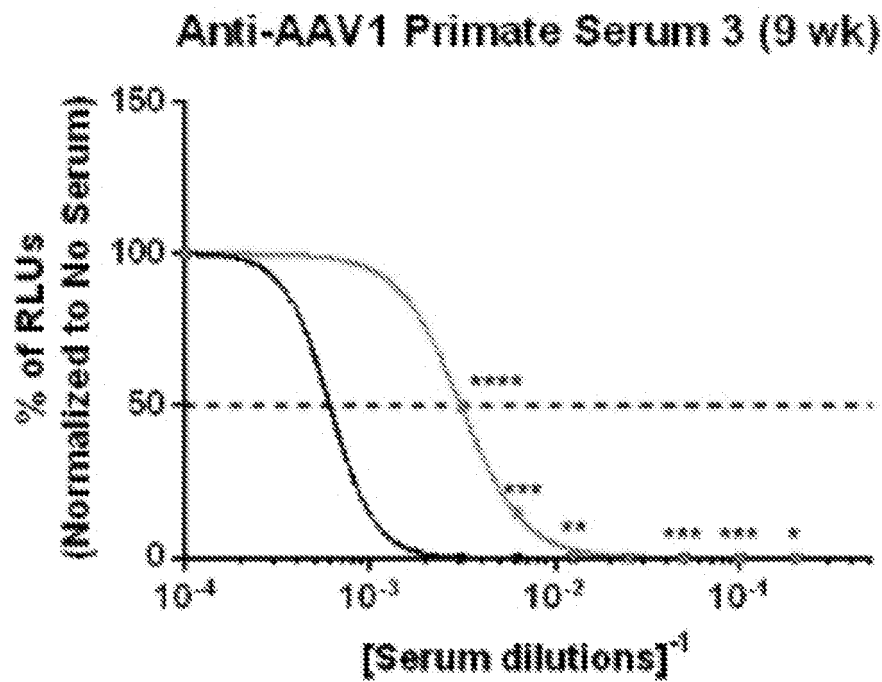


FIG. 16H



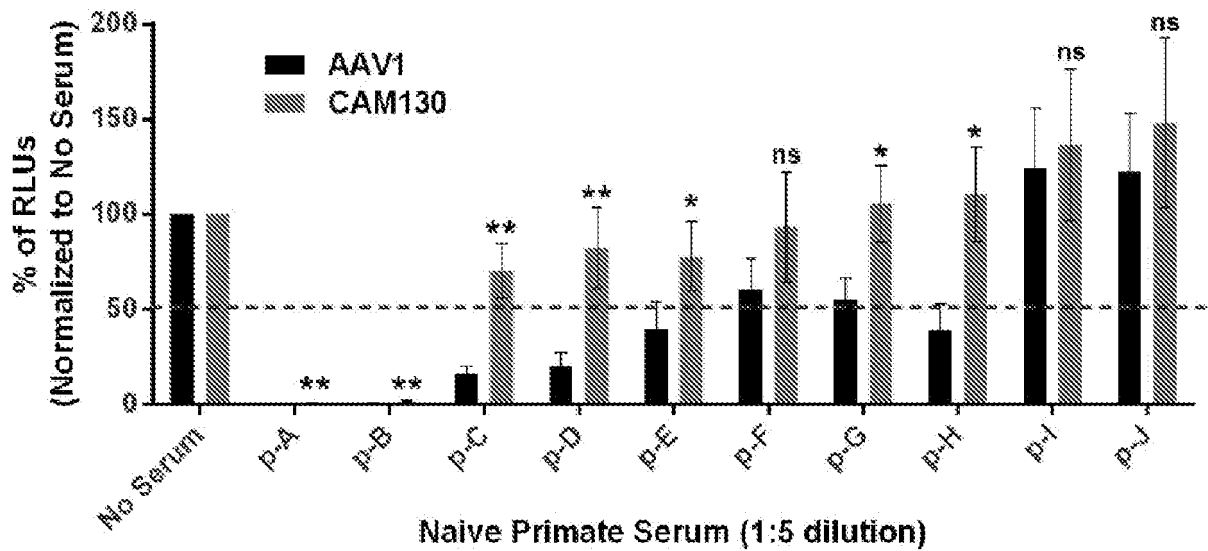


FIG. 17A

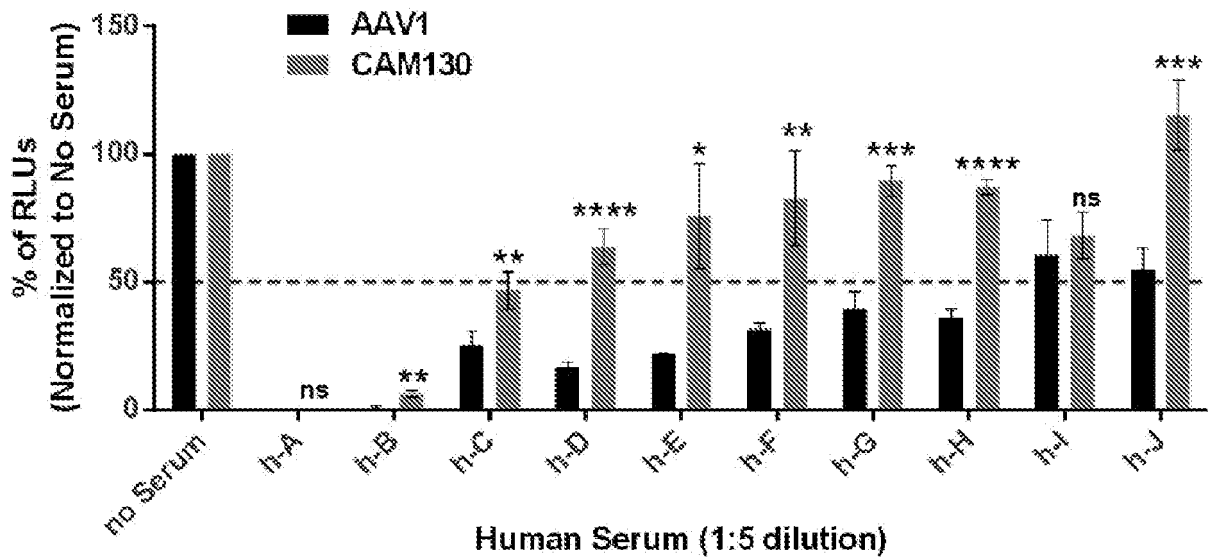


FIG. 17B

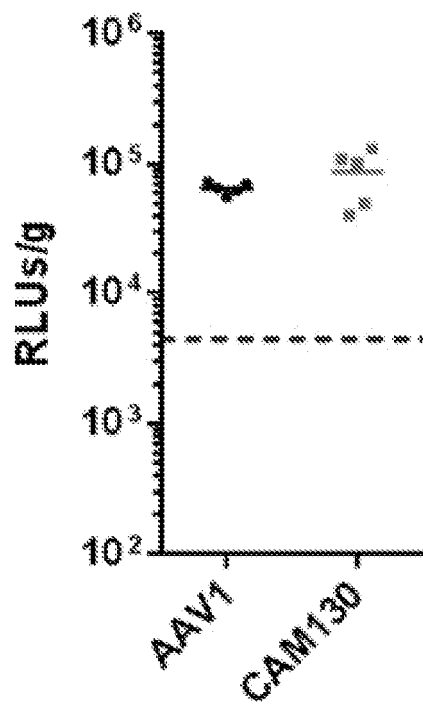


FIG. 18A

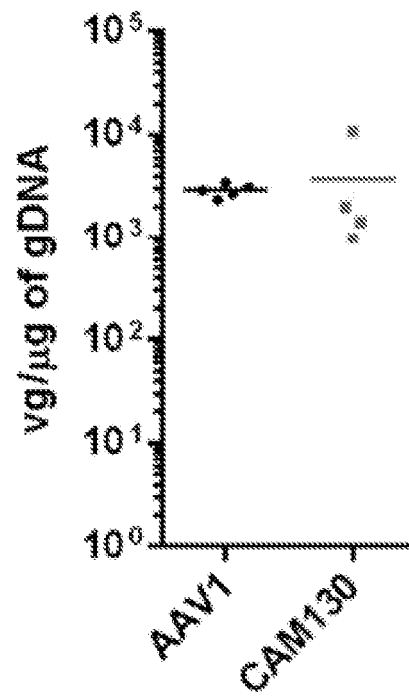


FIG. 18B

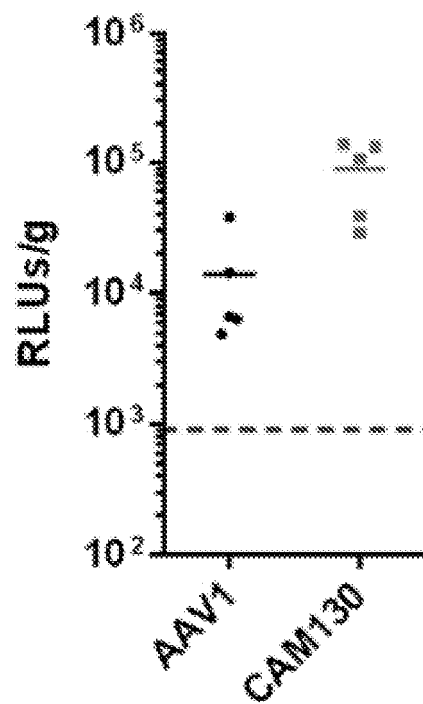


FIG. 18C

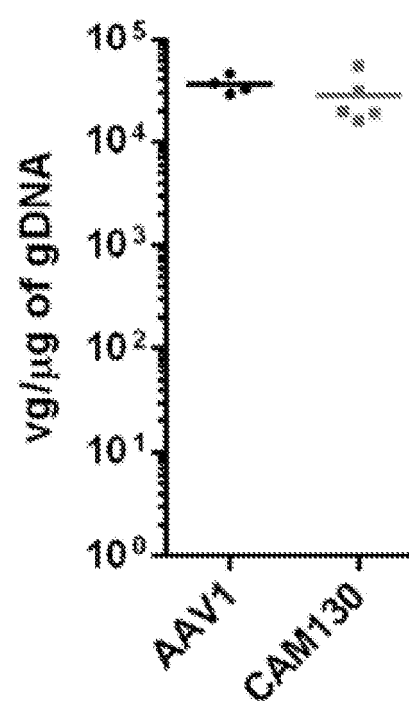


FIG. 18D

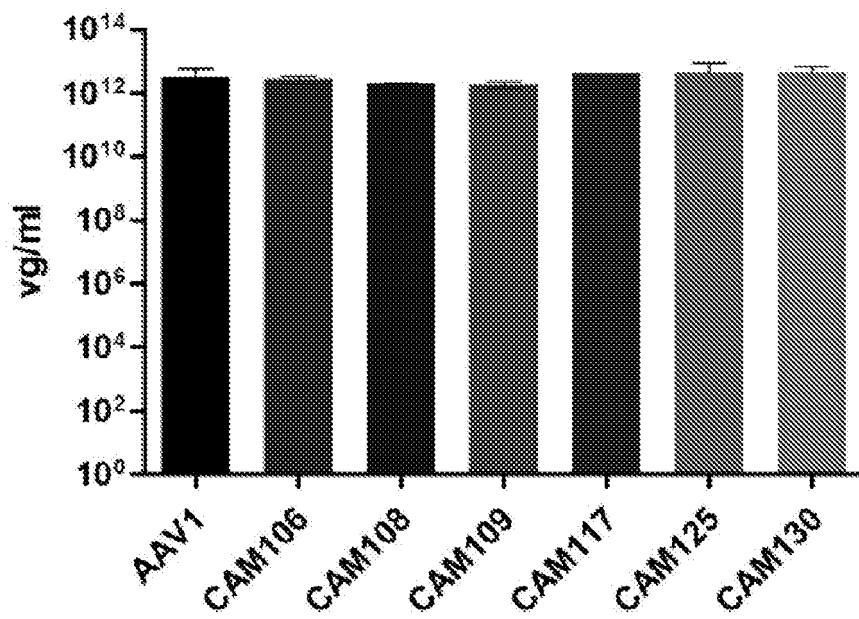


FIG. 19A

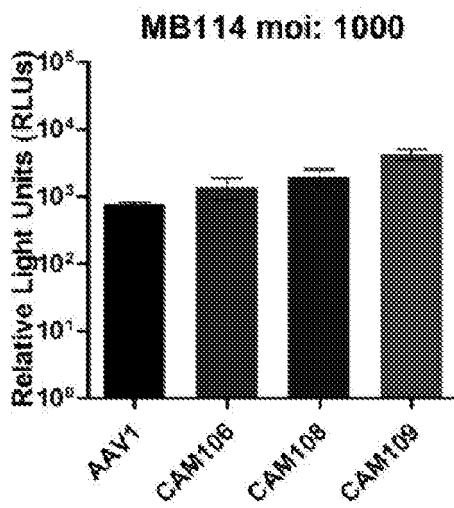


FIG. 19B

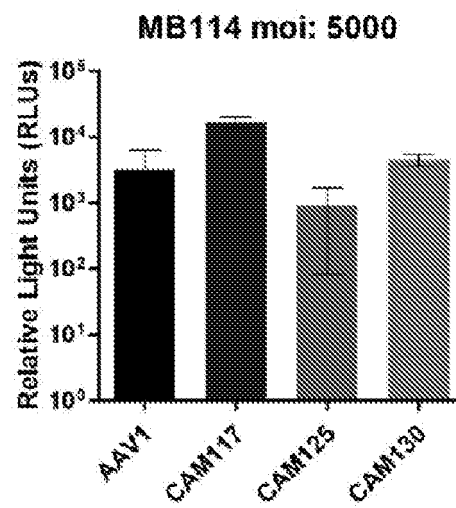


FIG. 19C

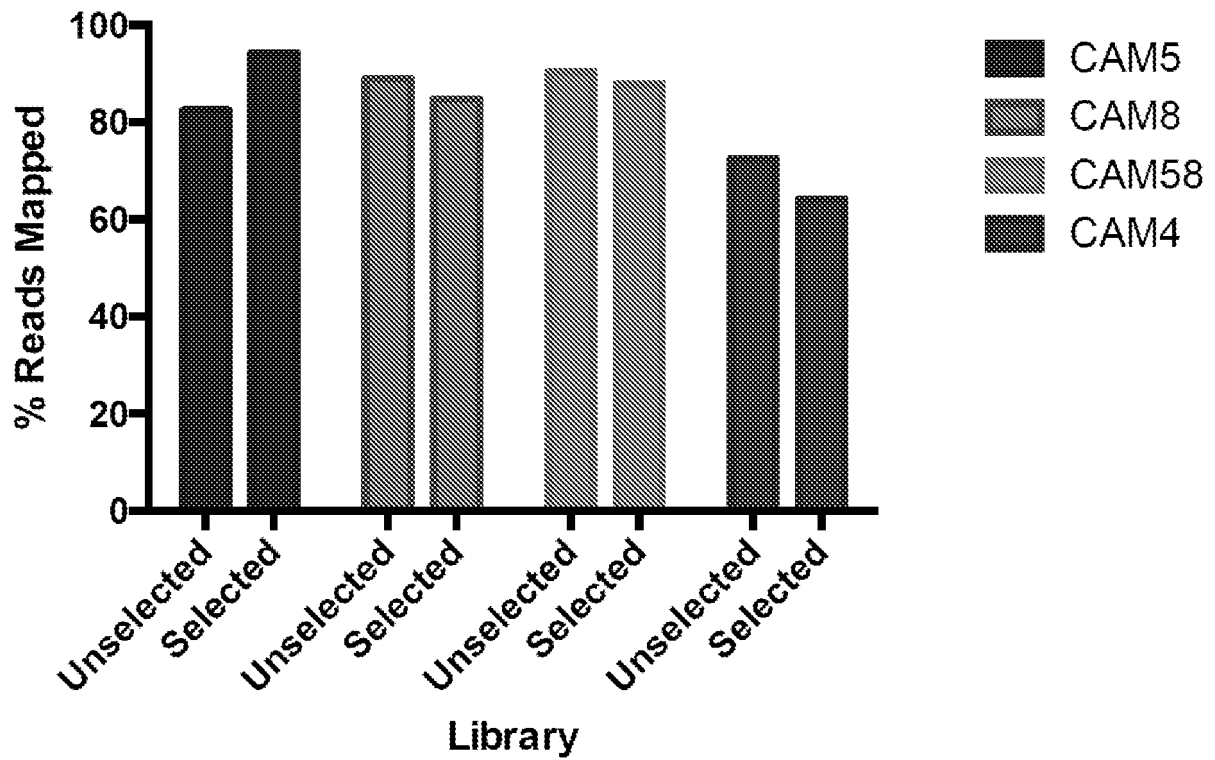


FIG. 20

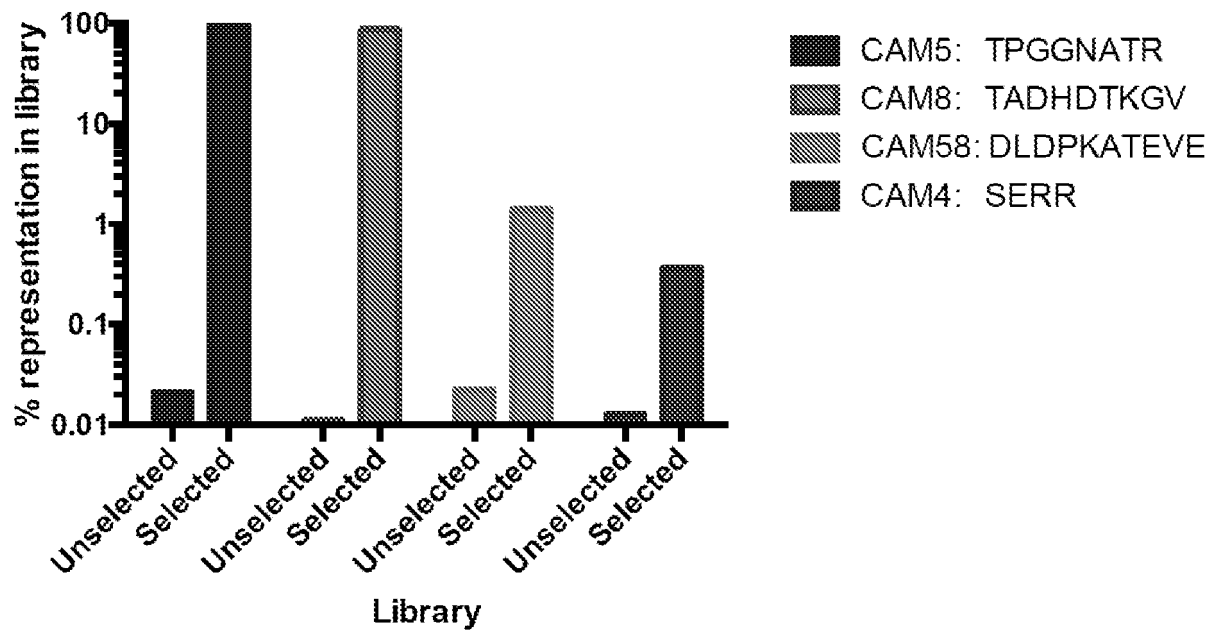


FIG. 21

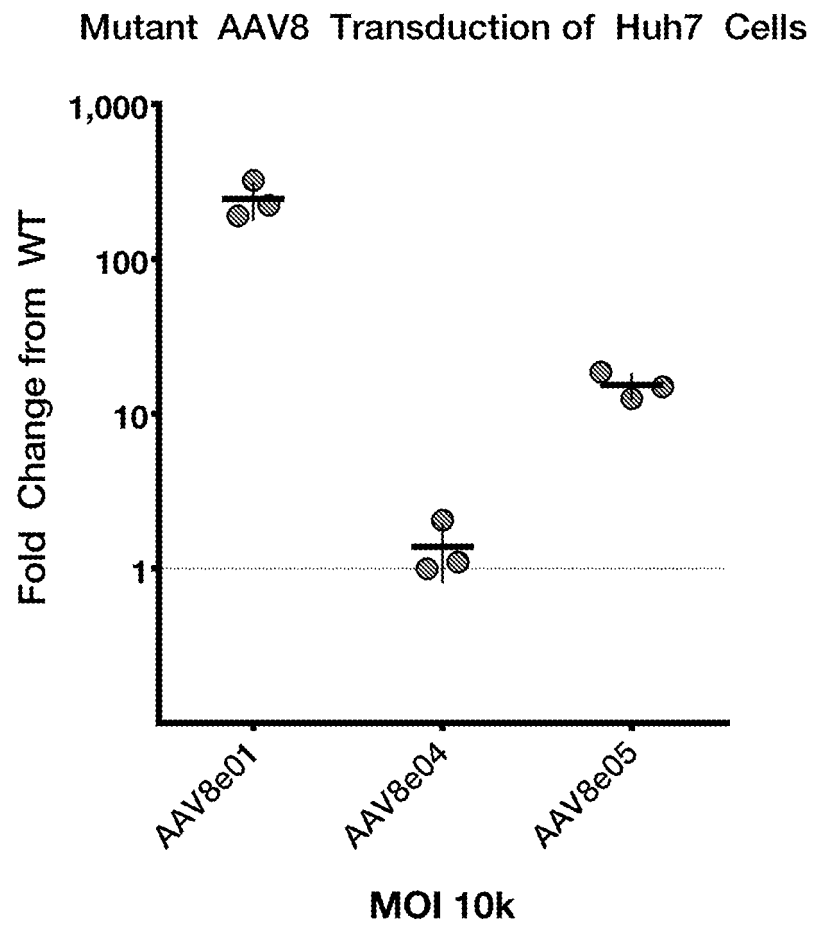


FIG. 22

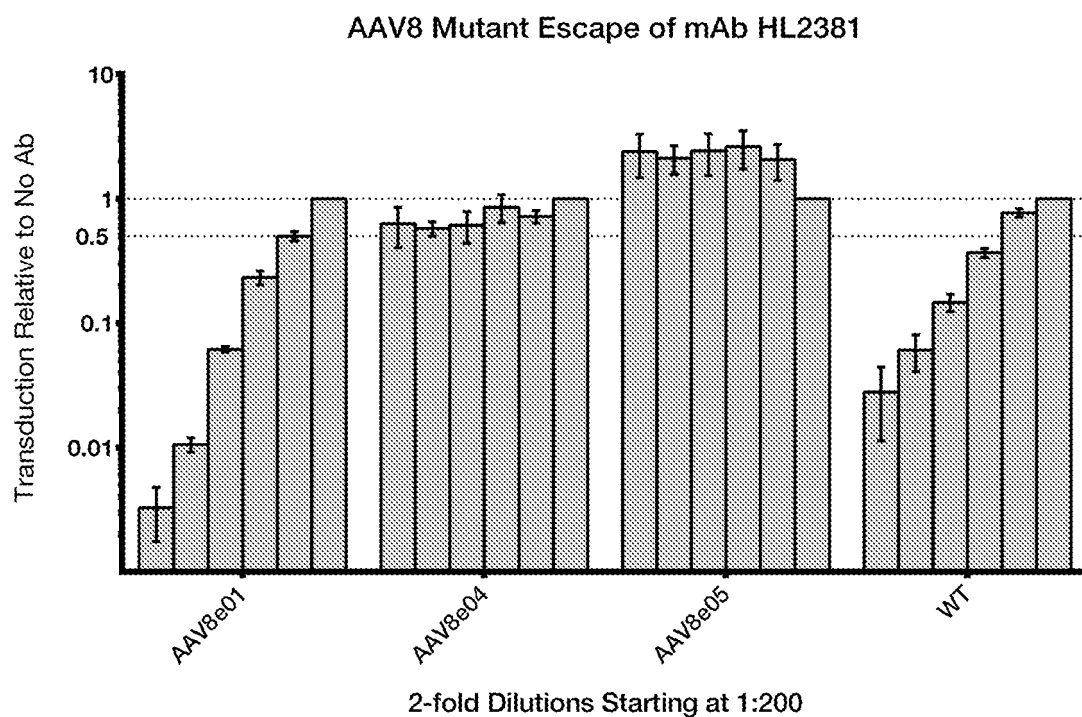


FIG. 23A

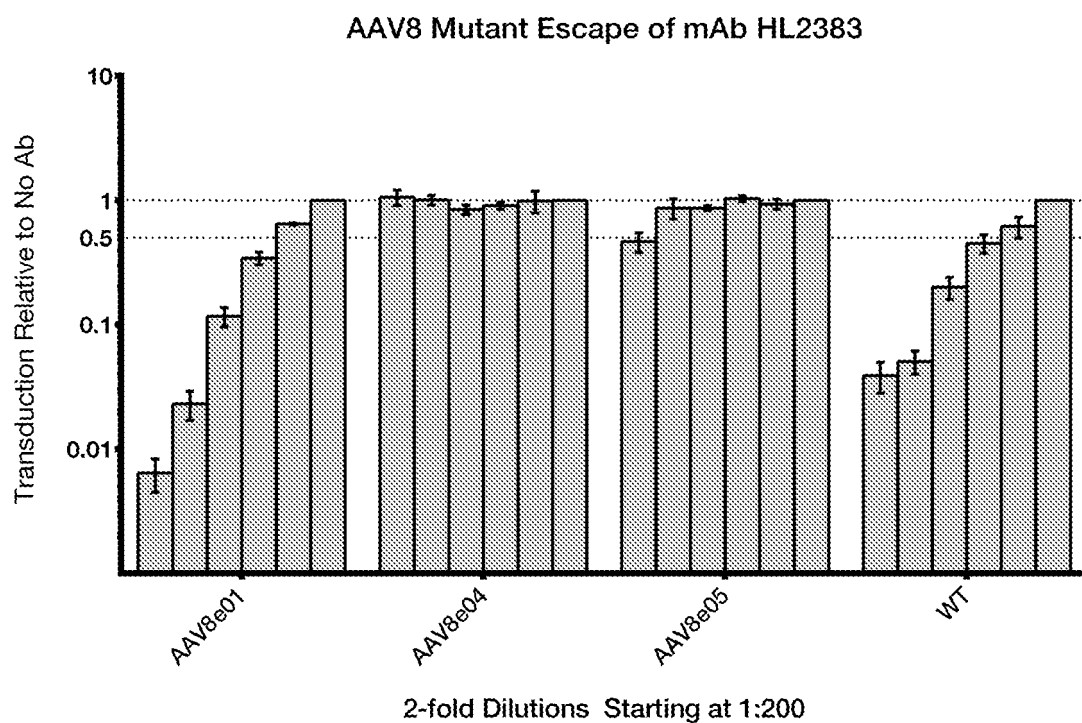


FIG. 23B

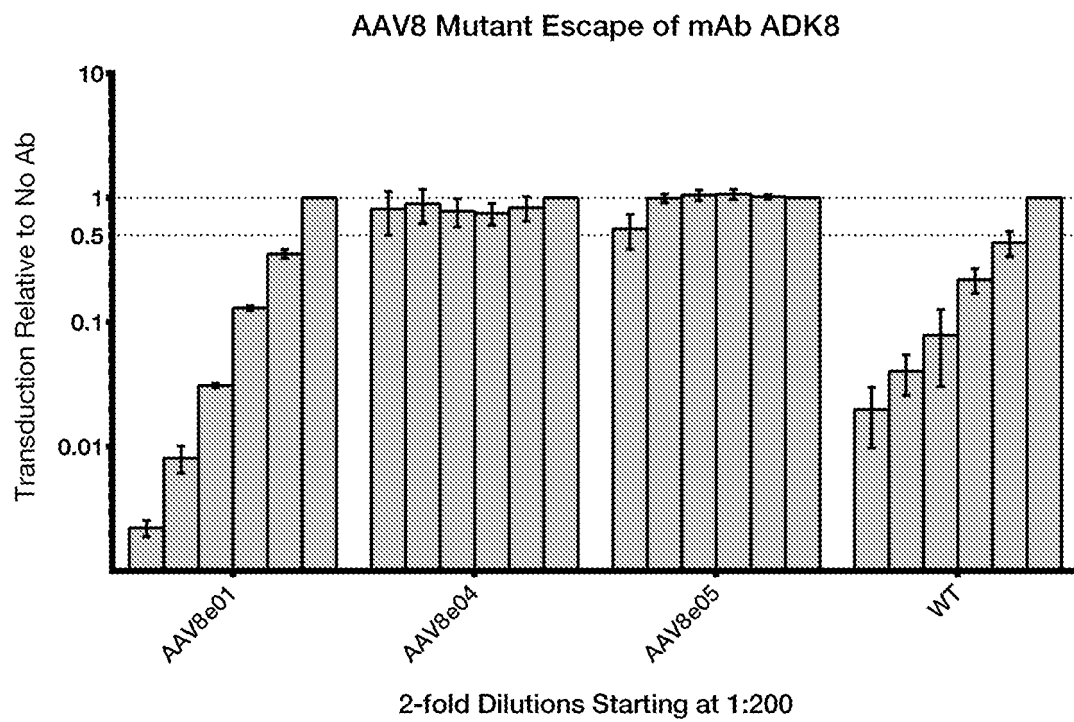


FIG. 23C