

Figure 1A

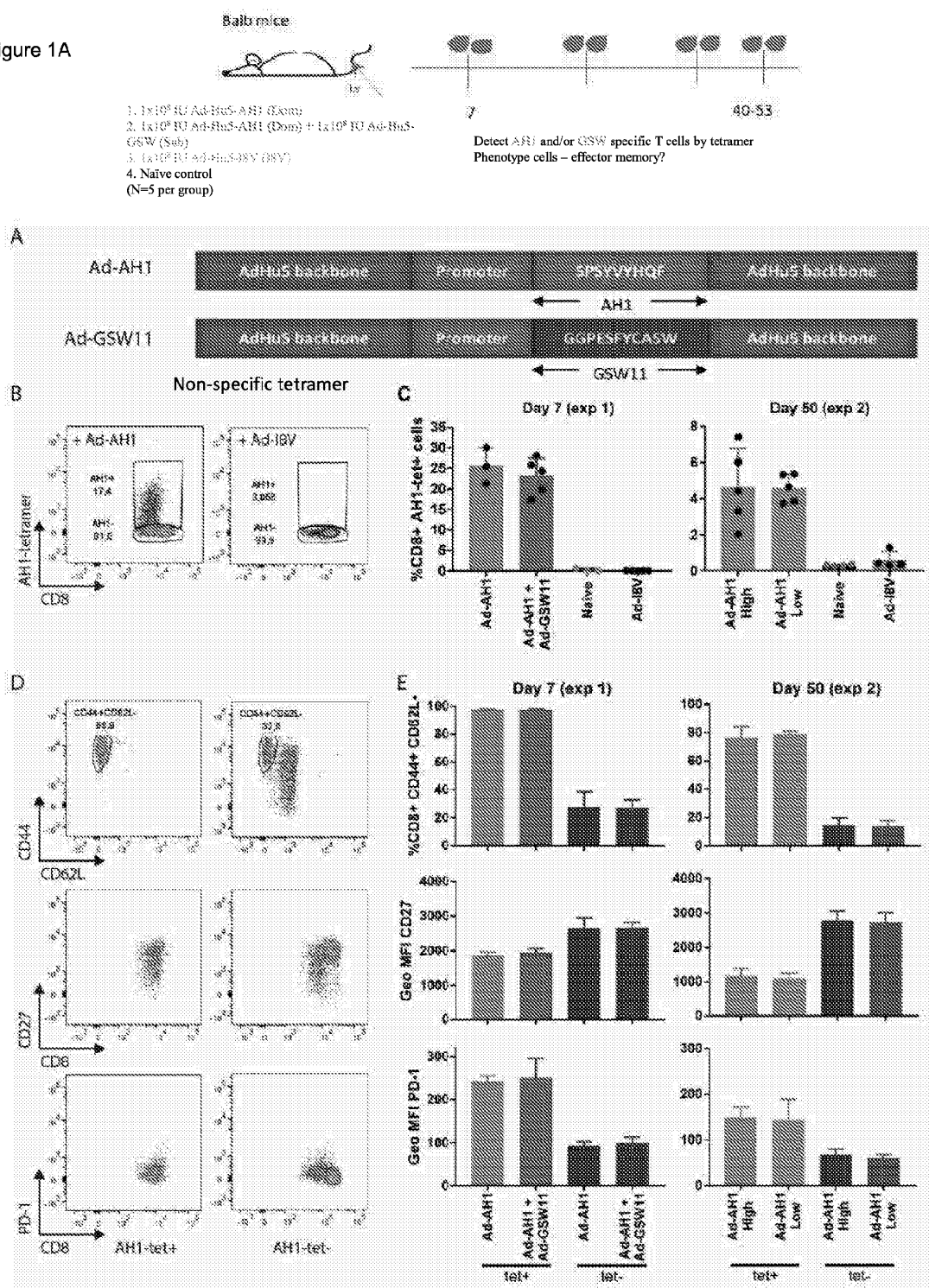
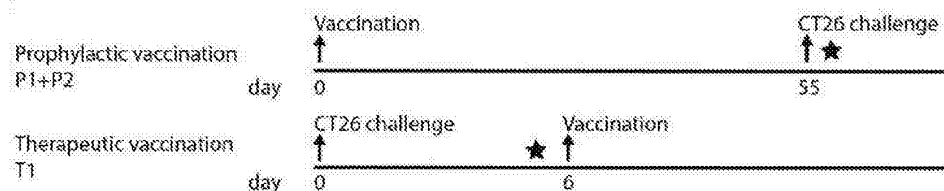
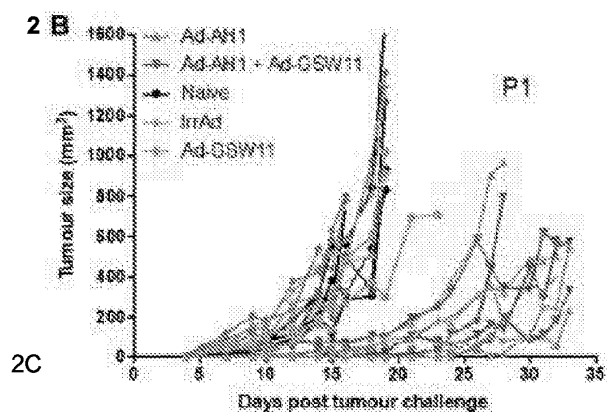
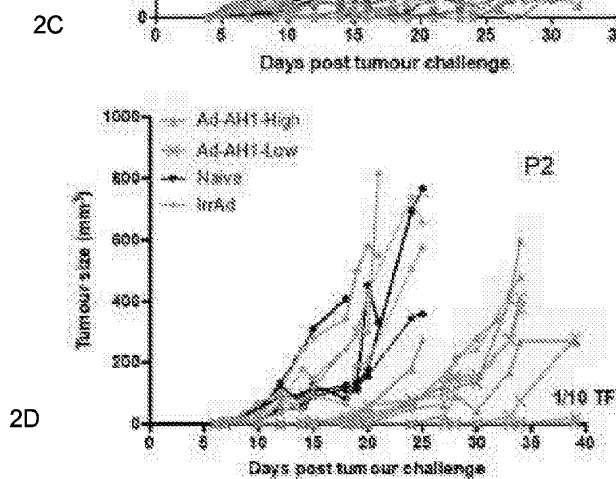
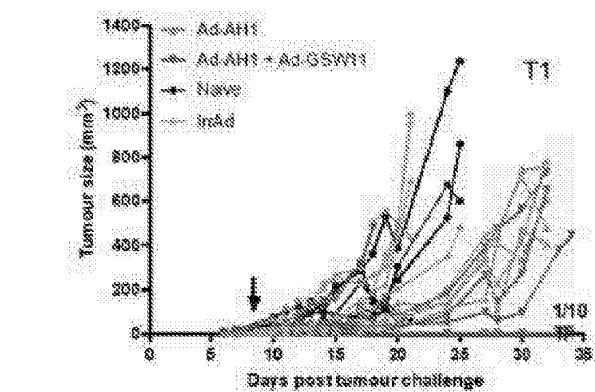
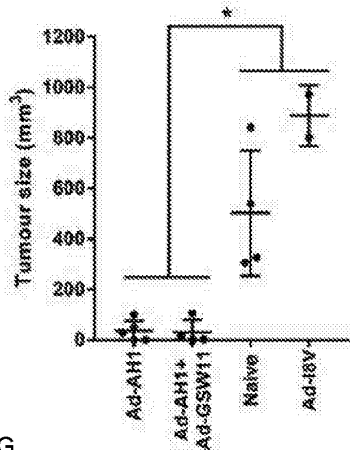


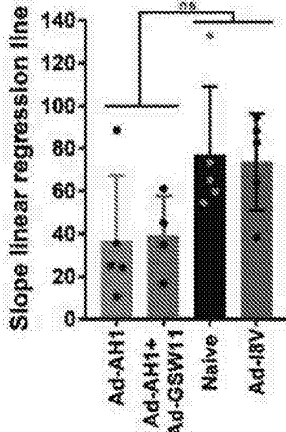
Figure 2A



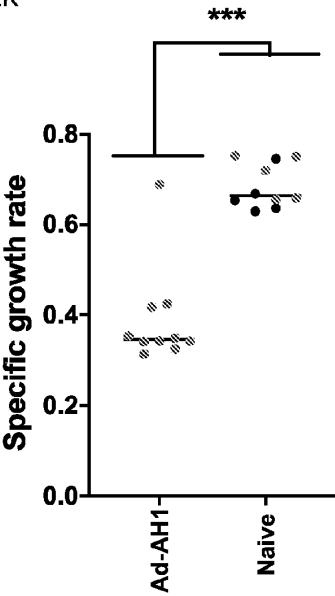
2E



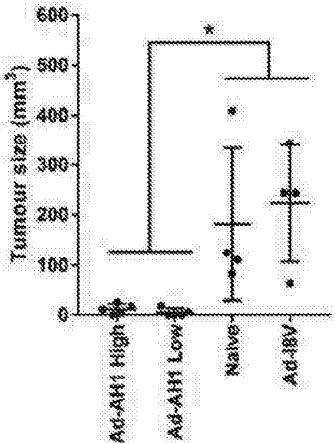
2F



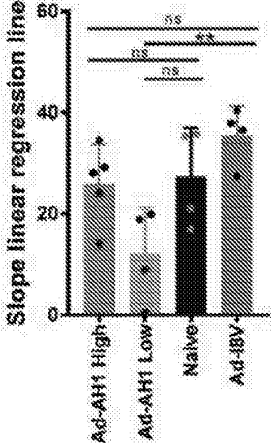
2K



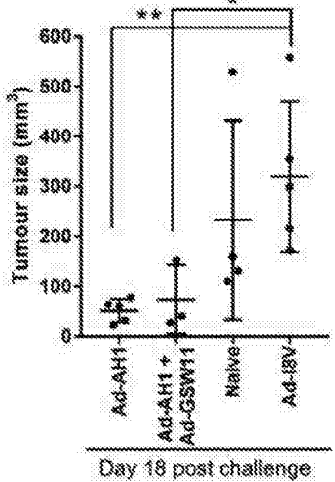
2G



2H



2I



2J

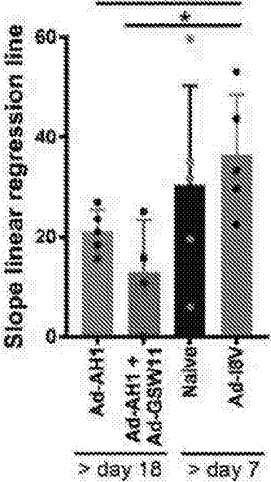
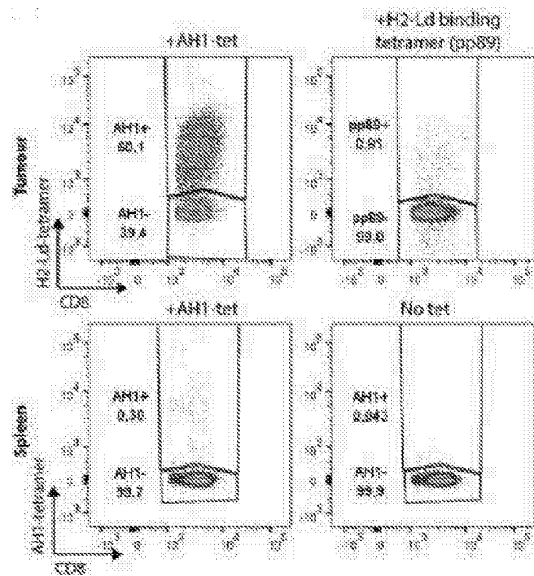
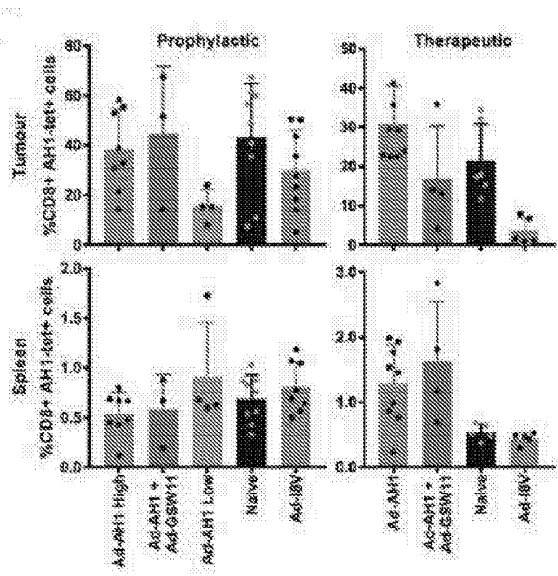


Figure 3A



3B



3C

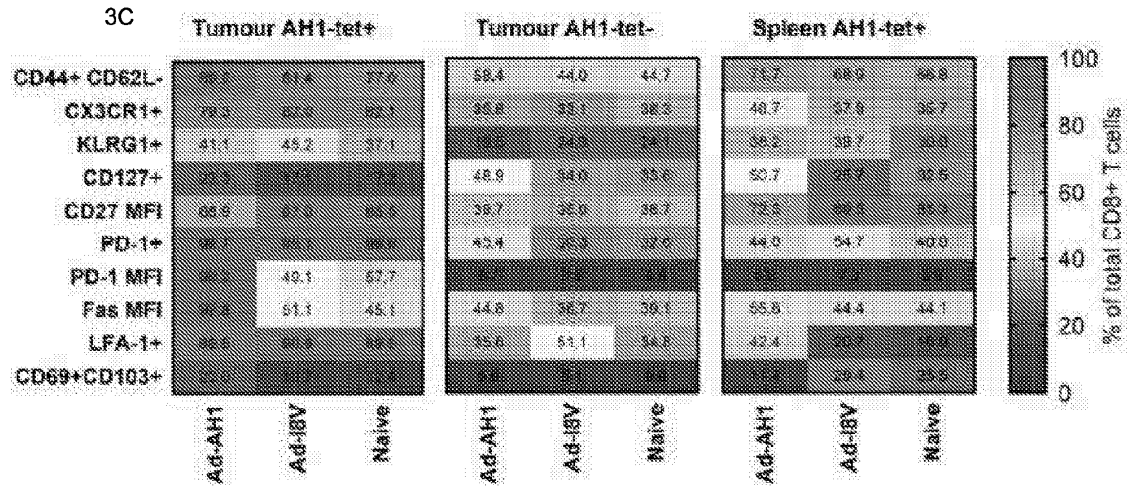
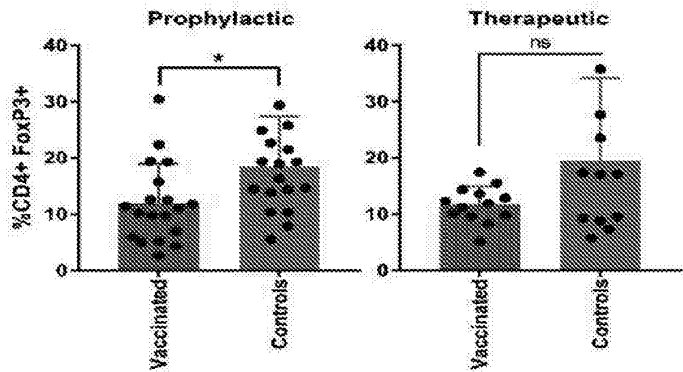


Figure 4A



4B

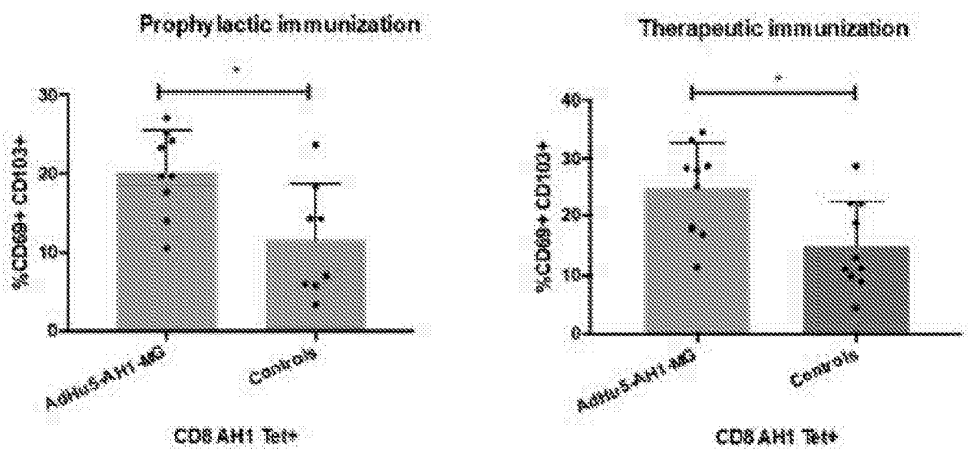
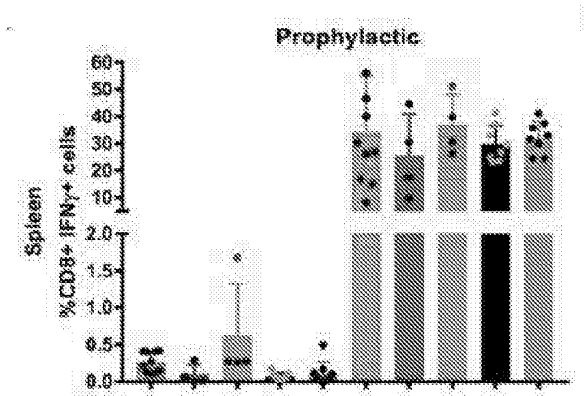
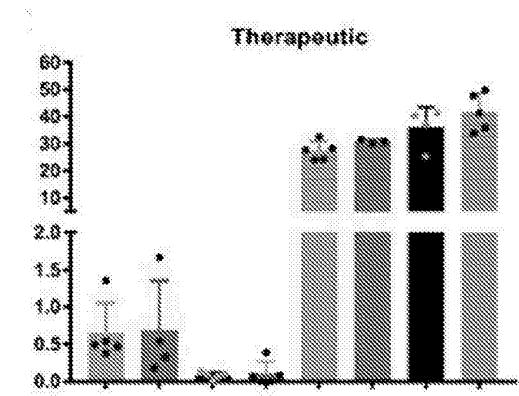


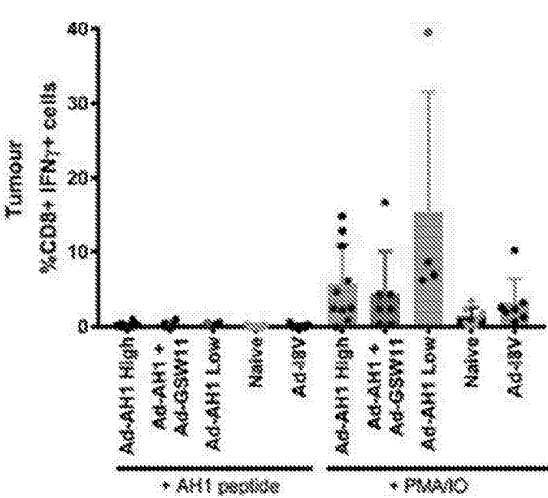
Figure 5A



5B



5C



5D

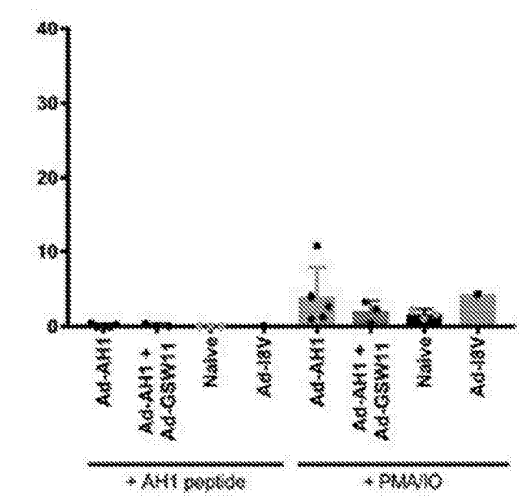
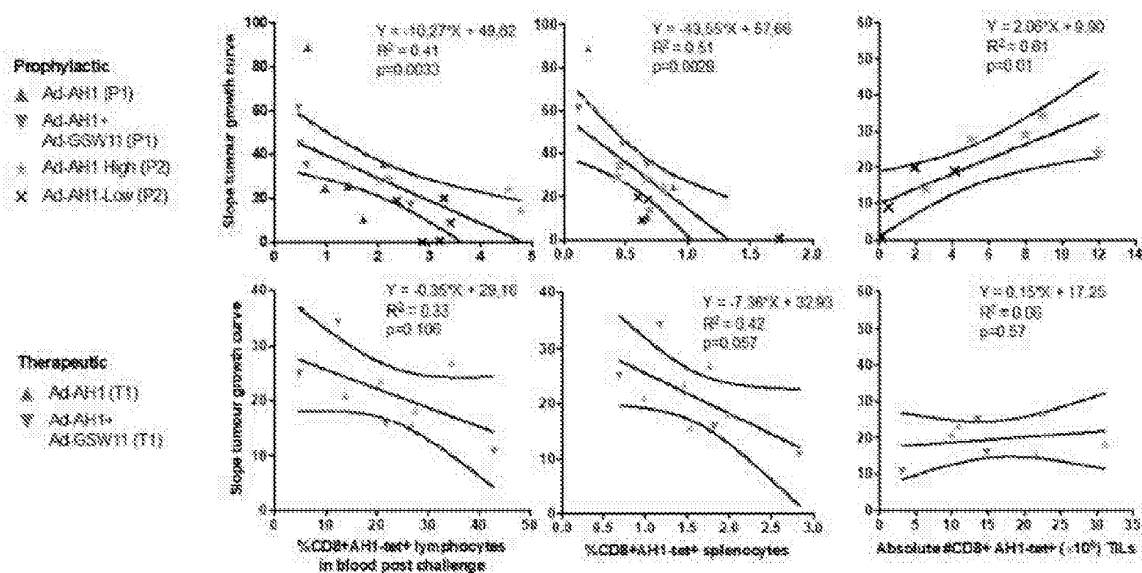


Figure 6A



6B

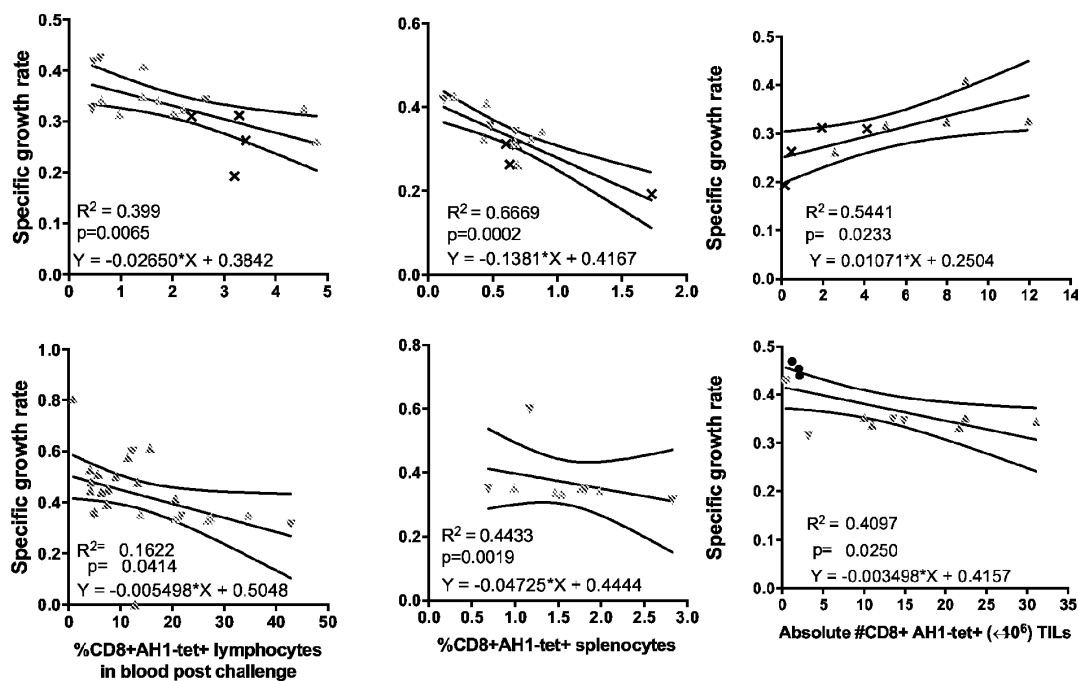
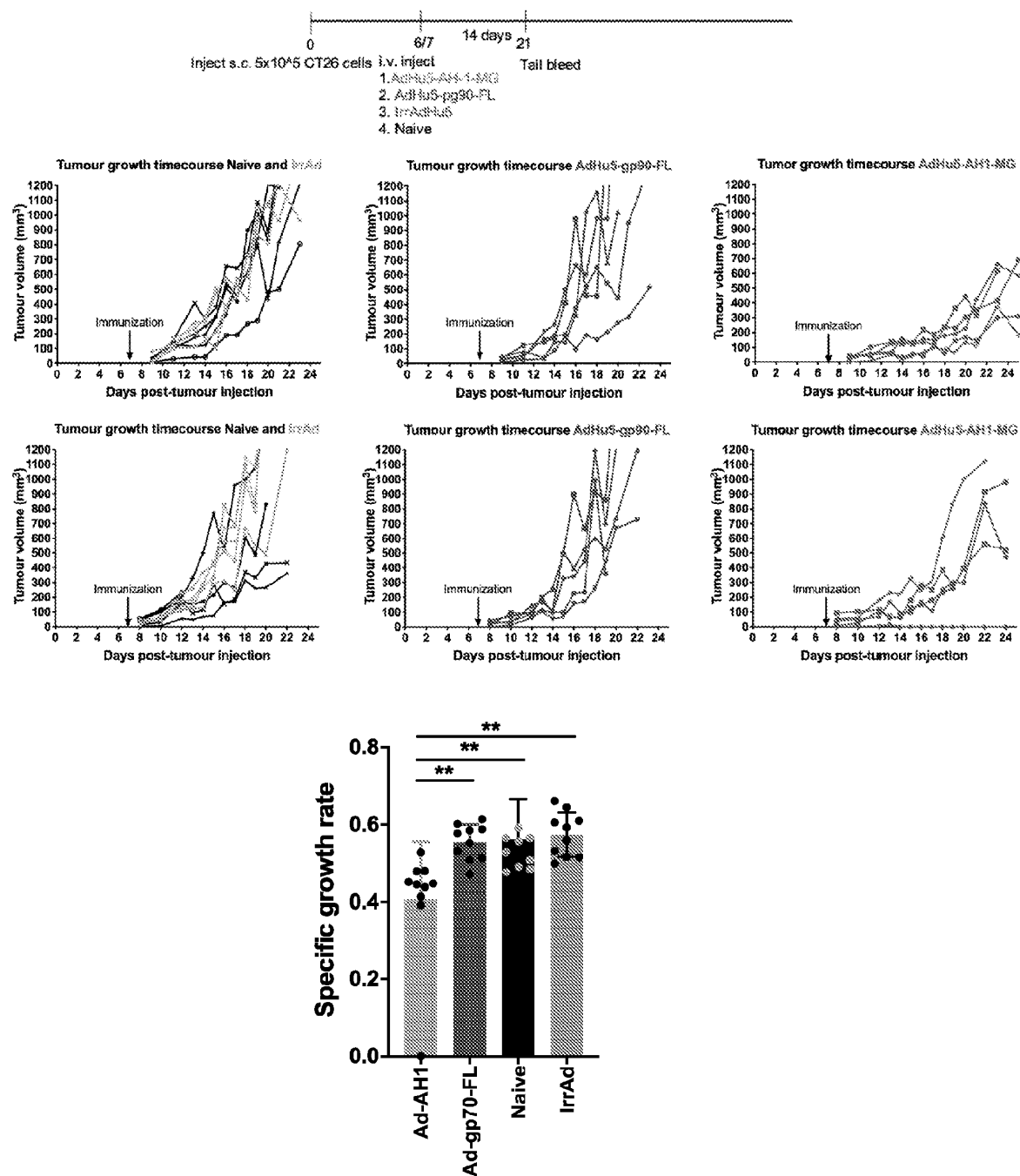


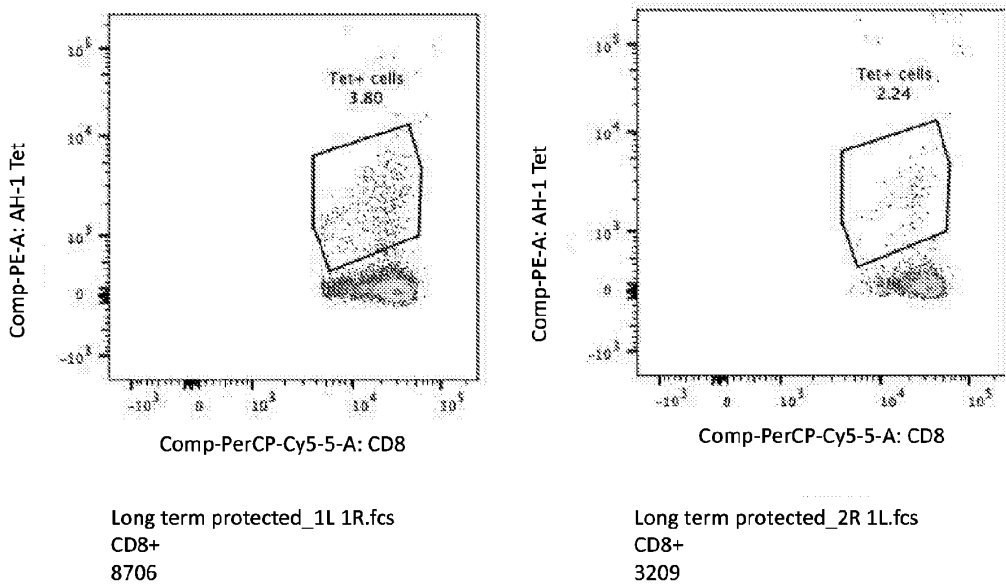
Figure 7A



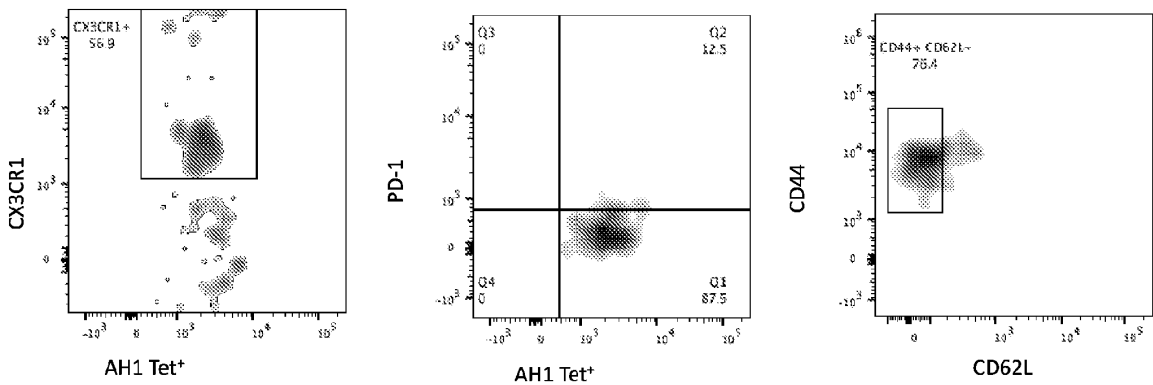
SUBSTITUTE SHEET (RULE 26)

SUBSTITUTE SHEET (RULE 26)

Figure 7B



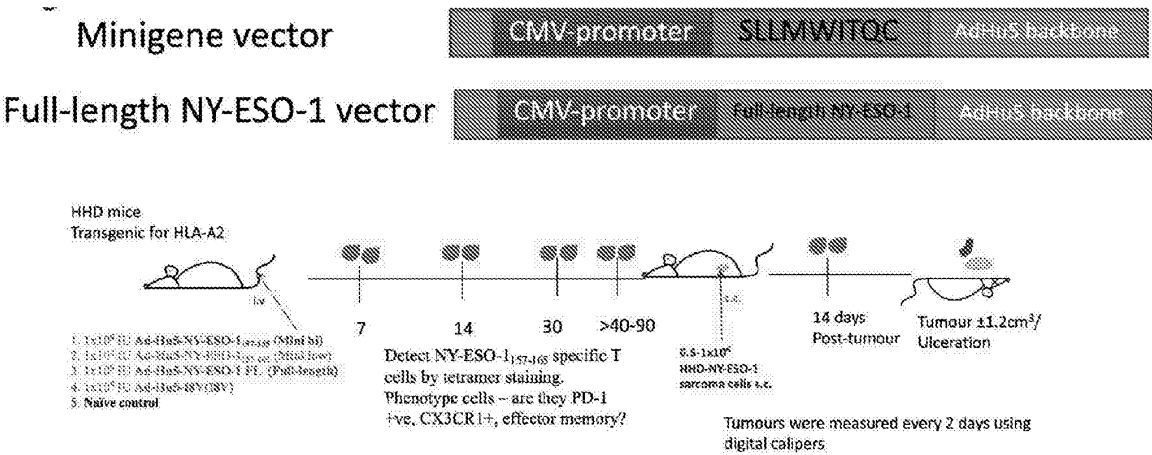
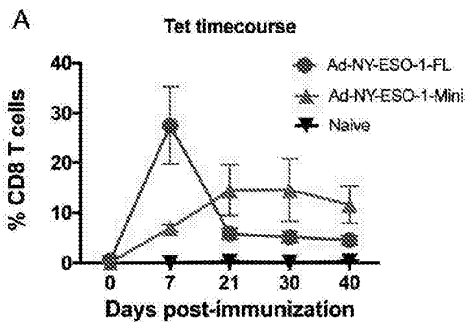
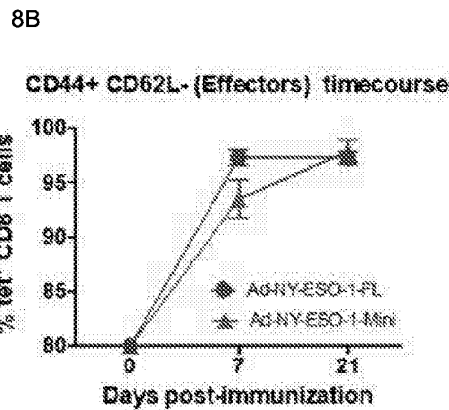
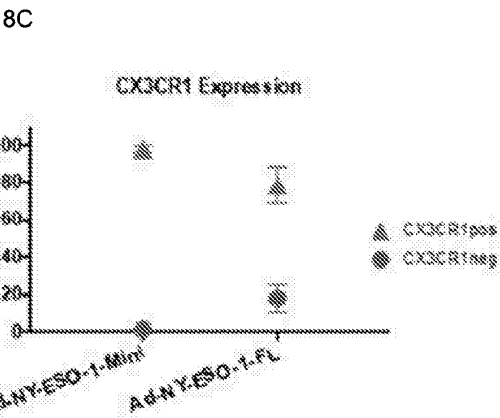
Phenotype of the antigen-specific cells in long-term protected mice



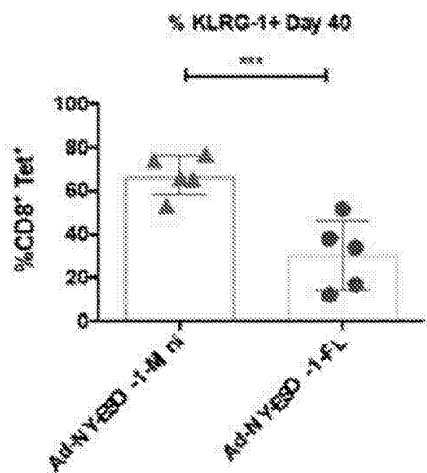
SUBSTITUTE SHEET (RULE 26)

SUBSTITUTE SHEET (RULE 26)

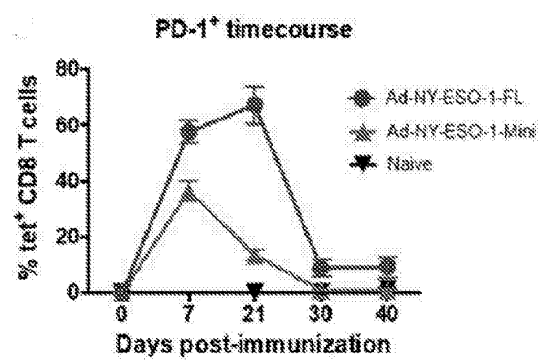
Figure 8A



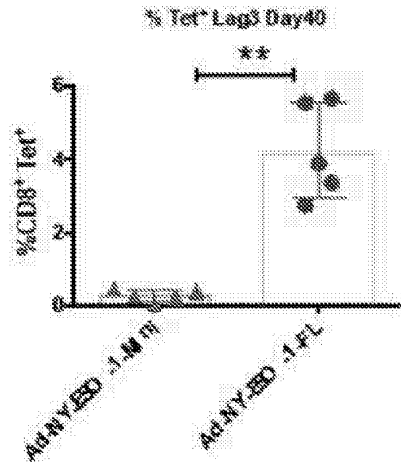
8D



8E



8F



8G

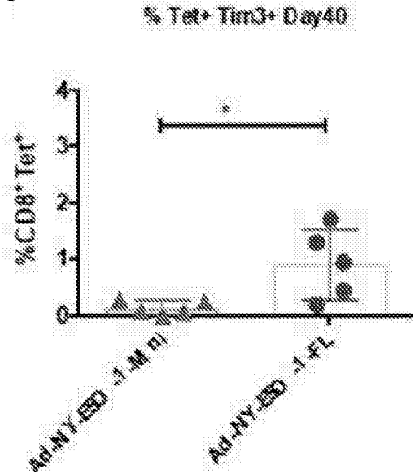
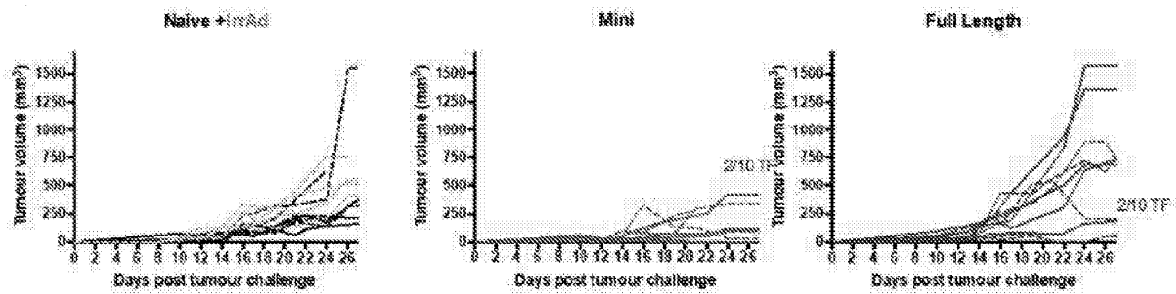
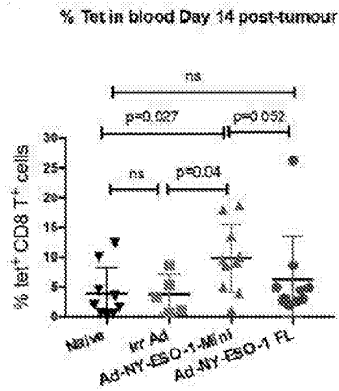


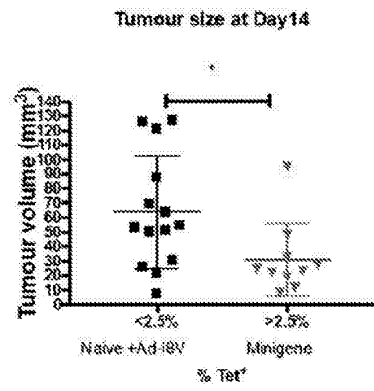
Figure 9A



9B



9C



9D

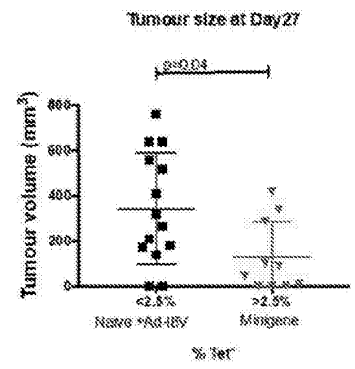
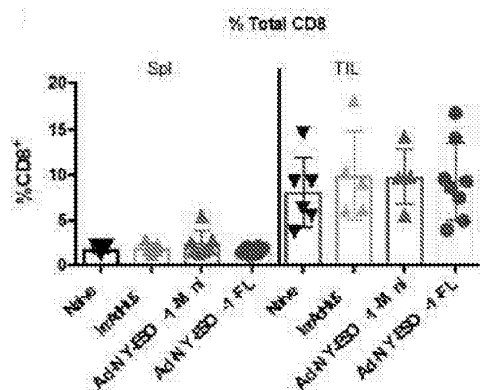
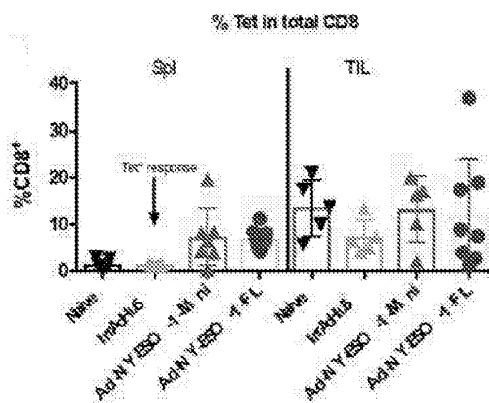


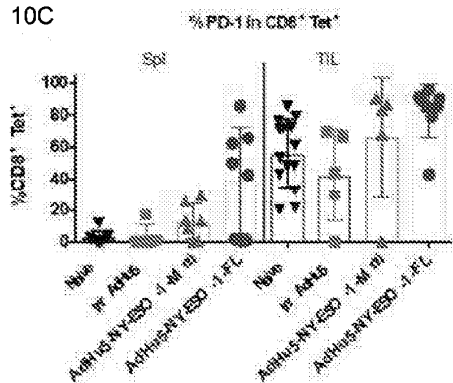
Figure 10A



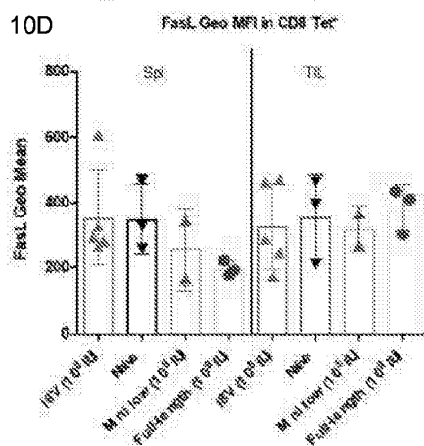
10B



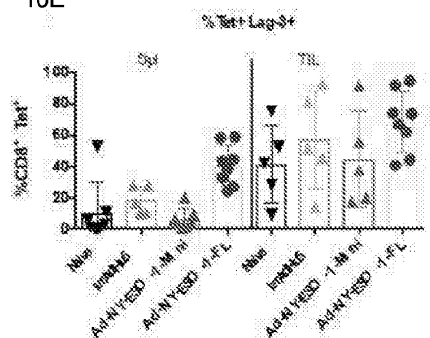
10C



10D



10E



10F

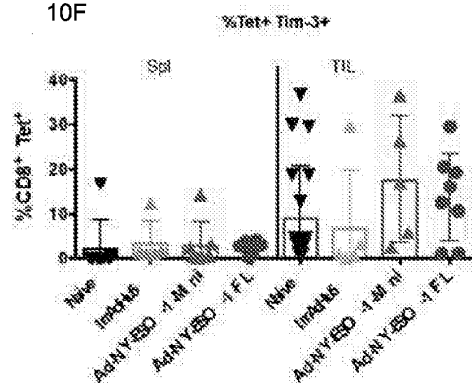


Figure 11A

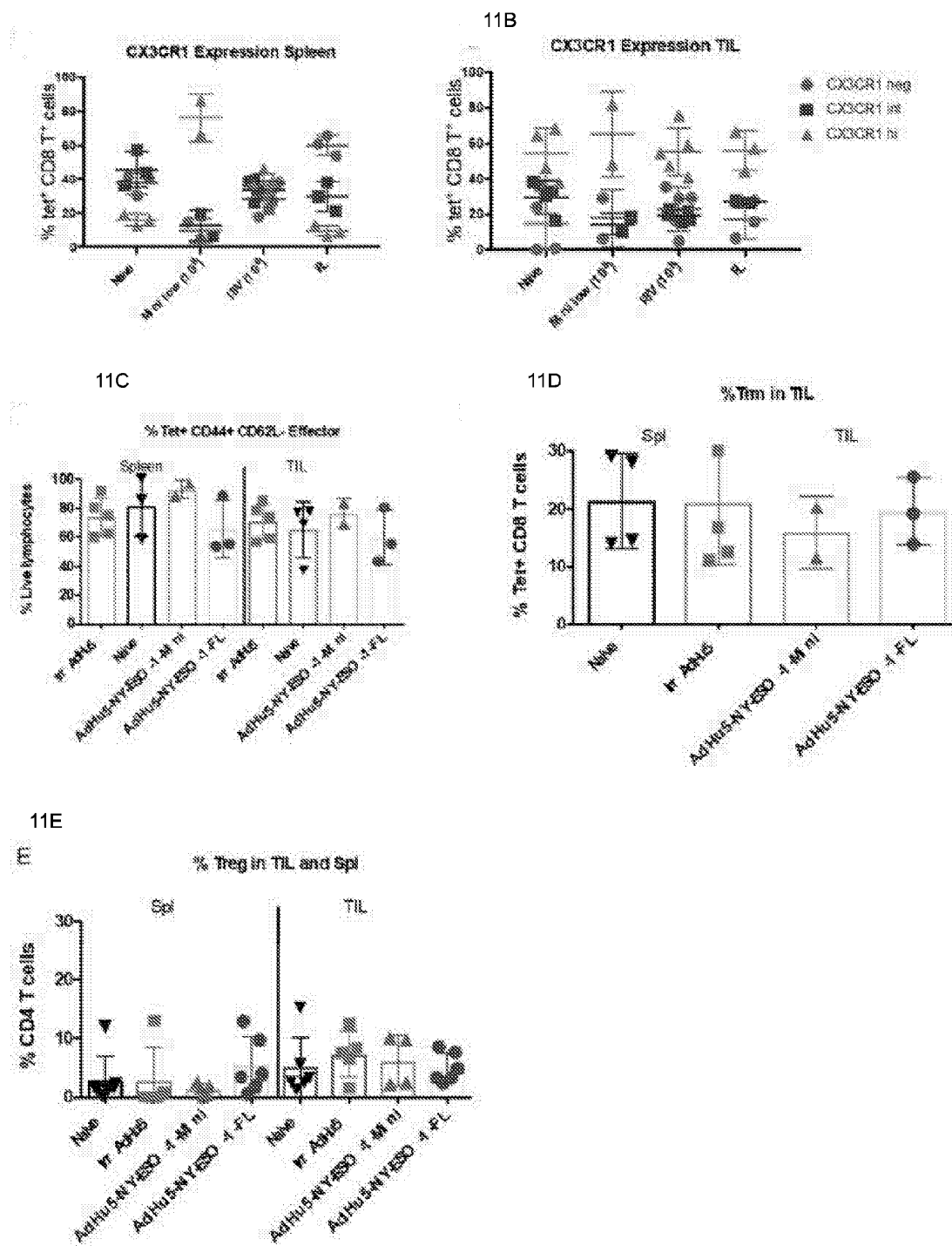
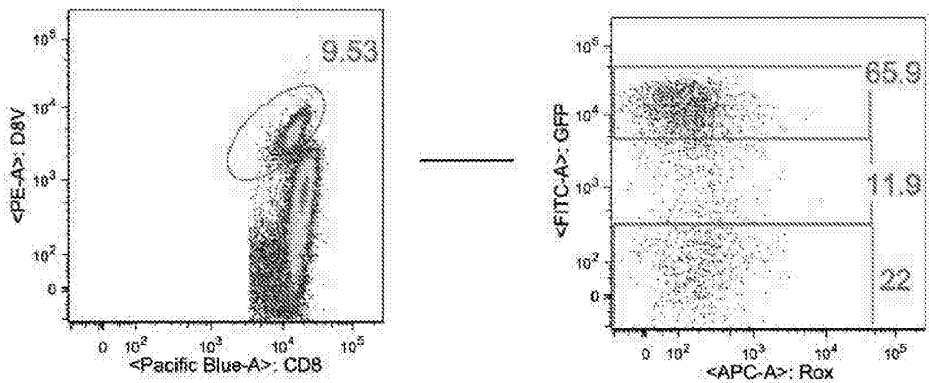
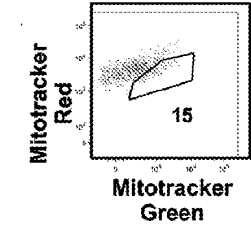
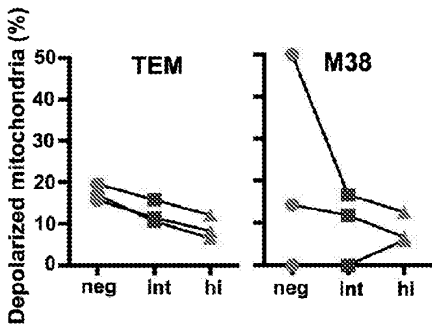


Figure 12A



12B



12C

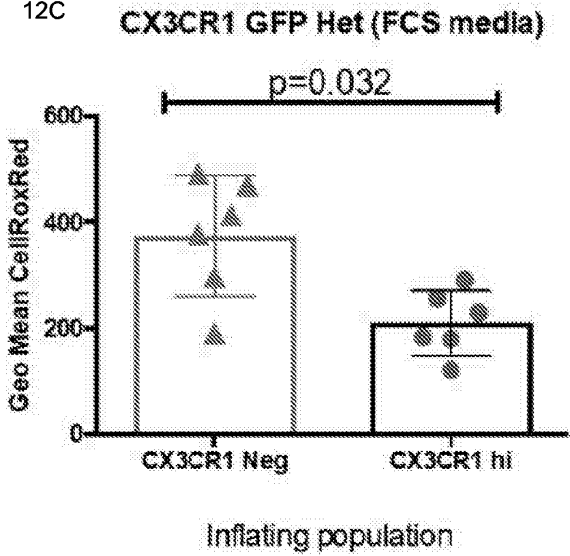
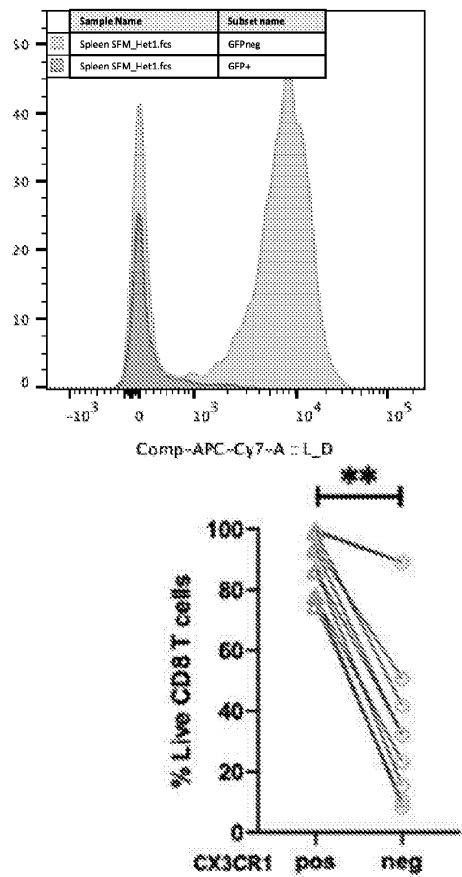
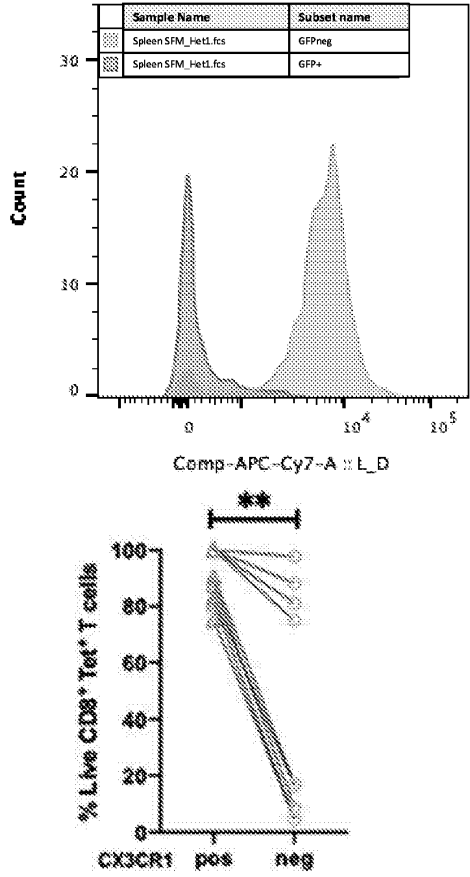


Figure 12D



12E



12F

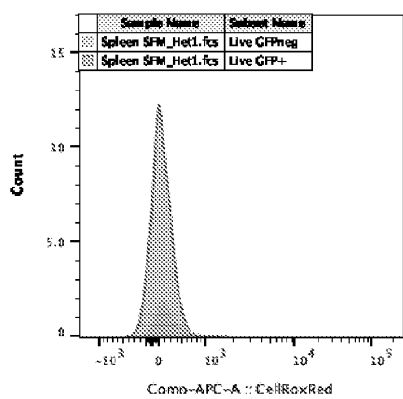
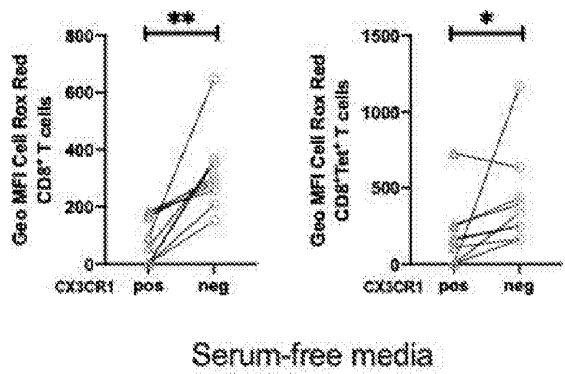


Figure 13

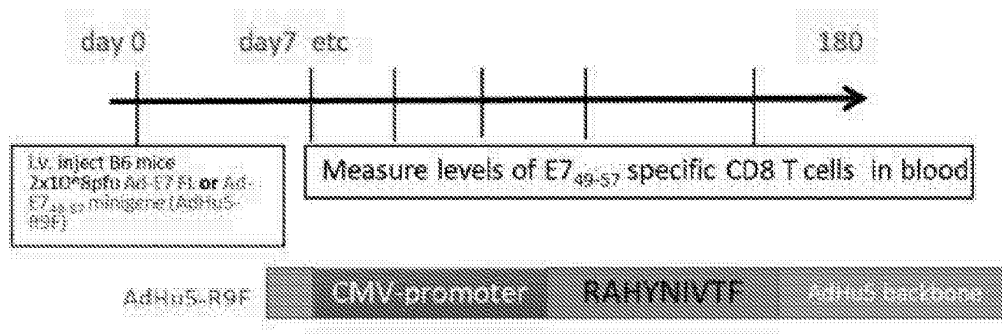
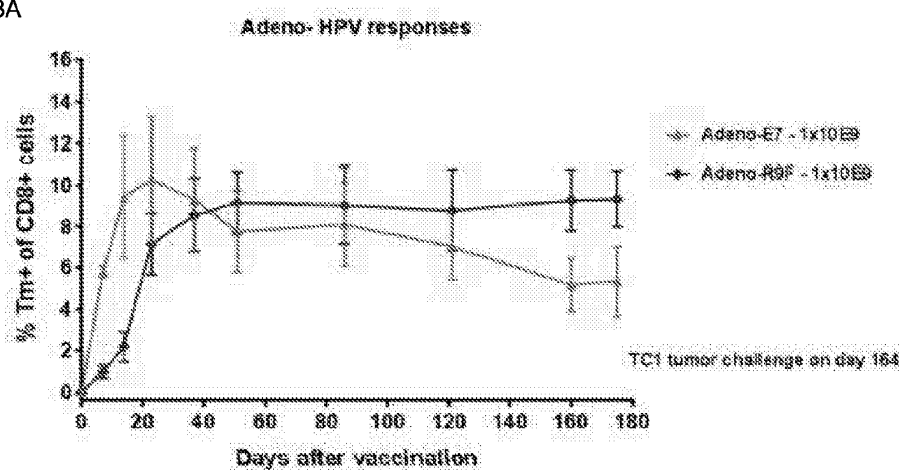


Figure 13A



- Large, durable population of epitope-specific cells
- Challenge with TC1-HPV E6/E7 (cervical carcinoma model) s.c at day >180 post-immunization

Figure 13B

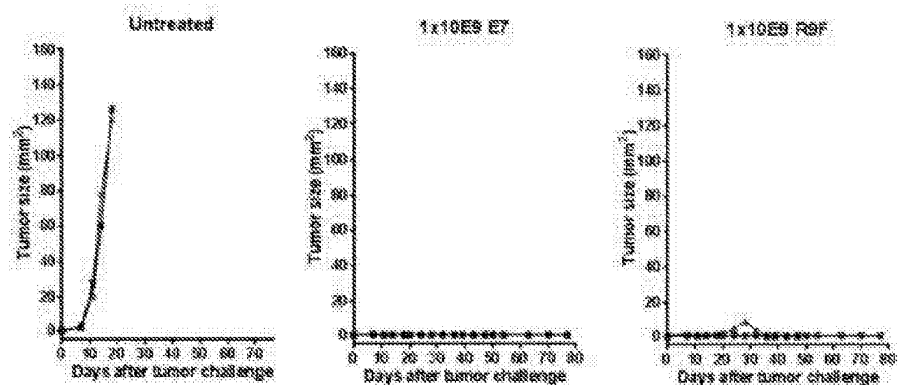


Figure 14

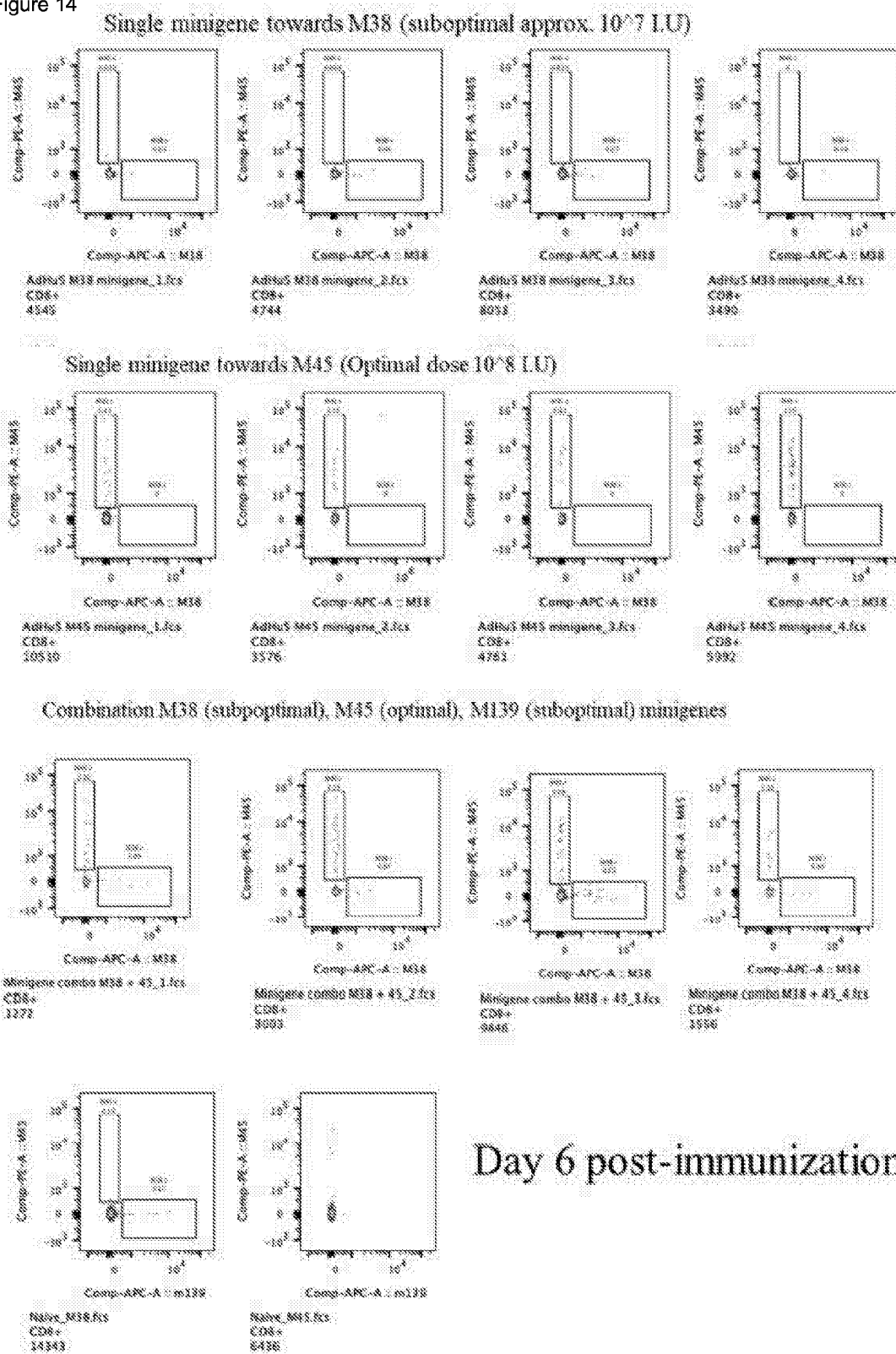


Figure 15A

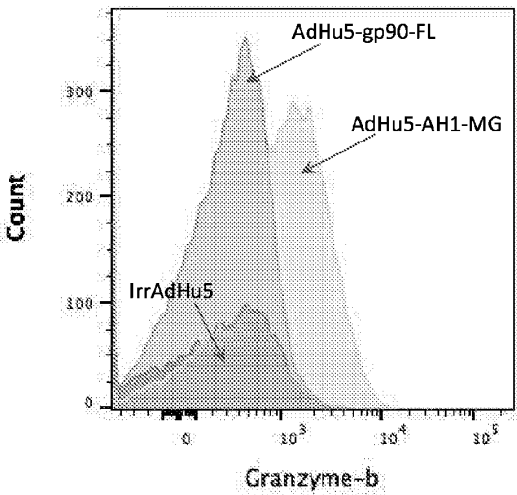
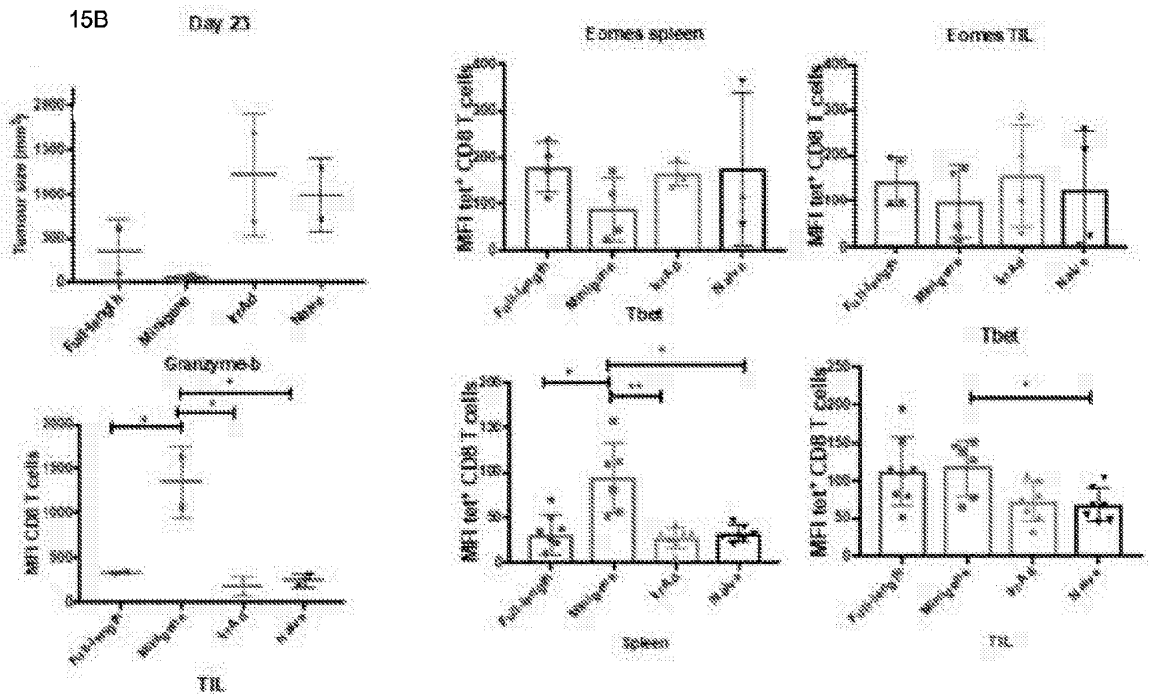
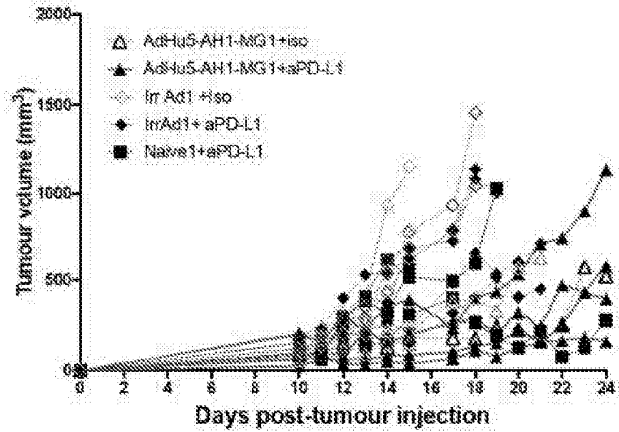
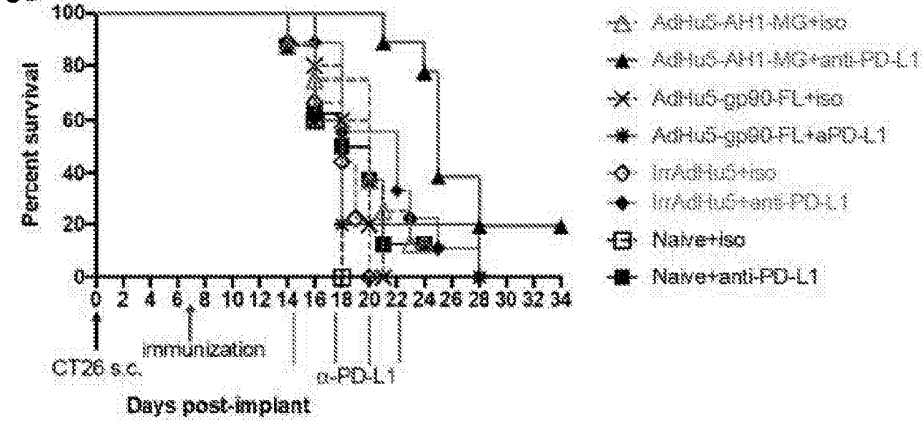


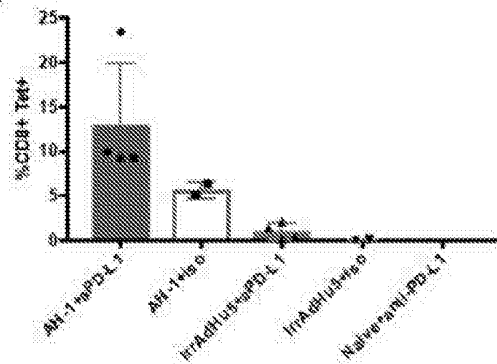
Figure 16A



16B



16C



16D

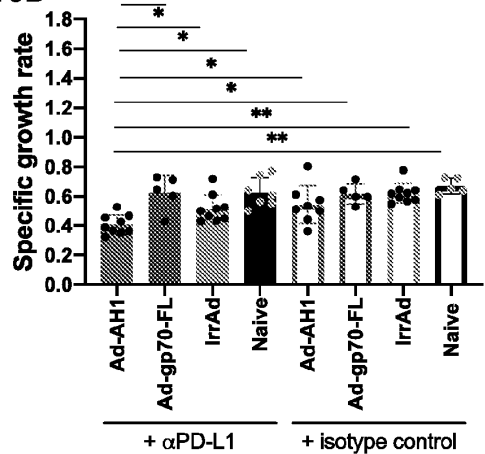
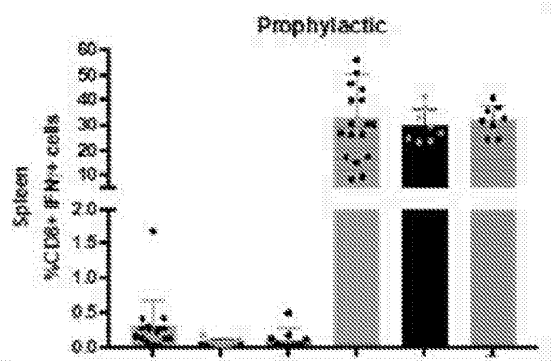
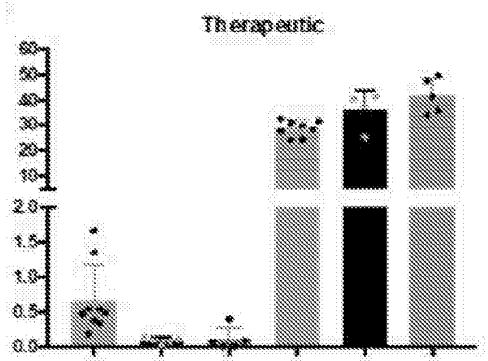


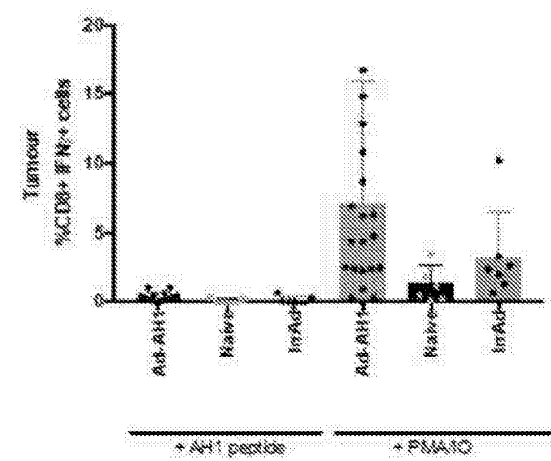
Figure 17A



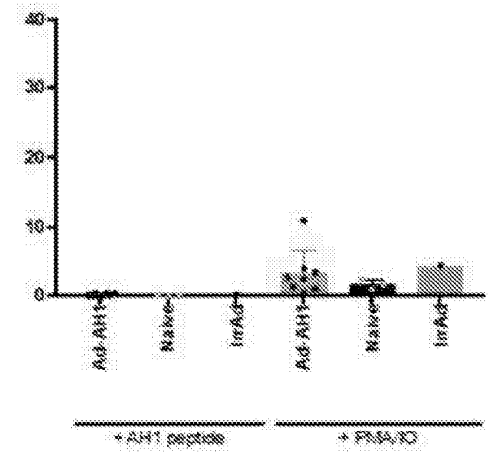
17B



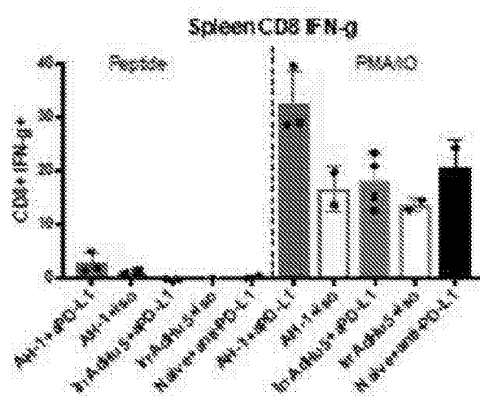
17C



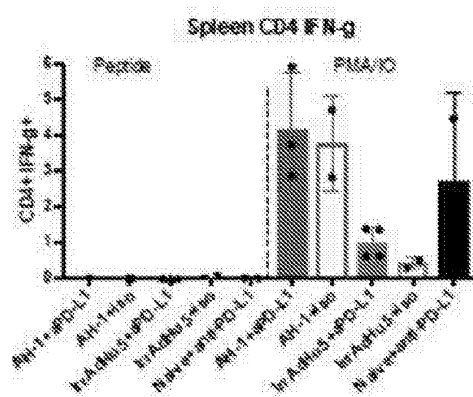
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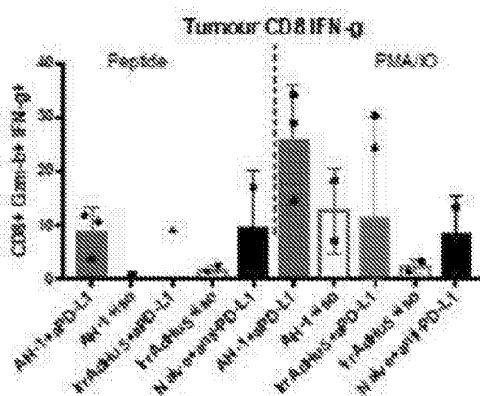
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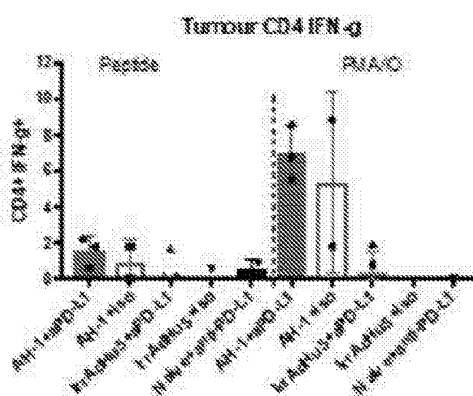
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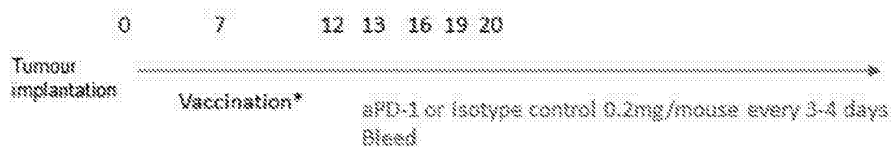
17G



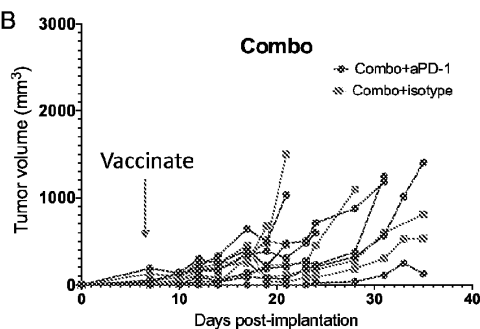
17H



18A



18B



Vaccines:

1. AdHu5-AH1-minigene (MG)
 2. AdHu5-e2f8-27mer MG
 3. Combo (AdHu5-AH1-MG + AdHu5-e2f8-27mer MG)
 4. Irrelevant AdHu5-MG
 5. Unvaccinated
- N = 6 per treatment

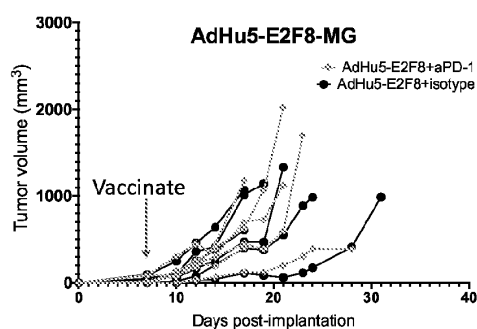
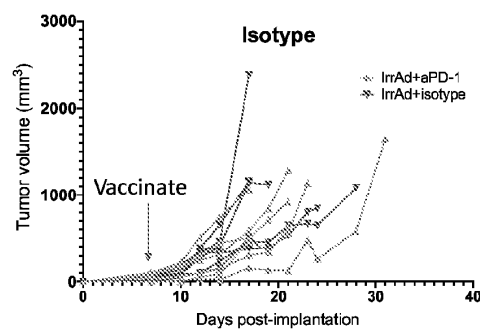
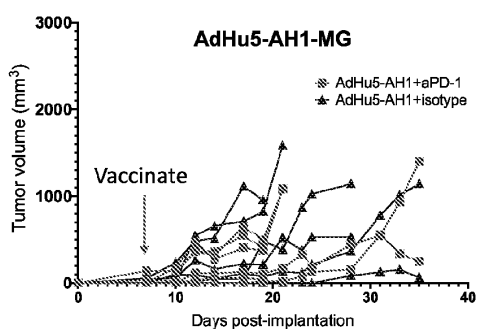
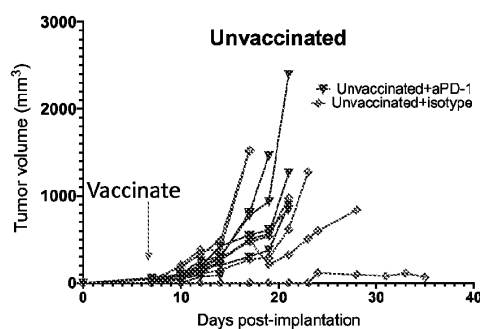
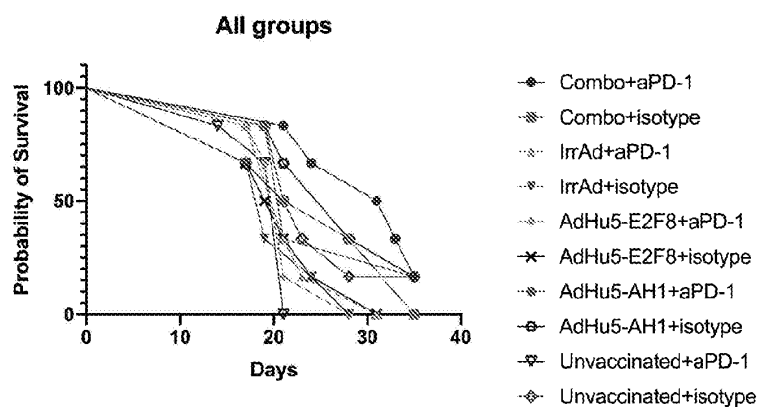
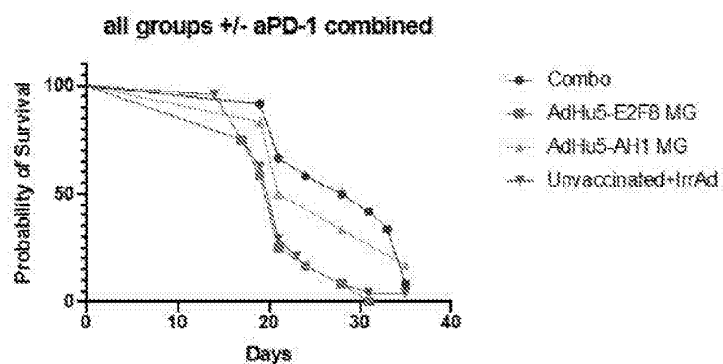


Figure 19A



	Median survival
Combo+aPD-1	32
Combo+isotype	24.5
IrrAd+aPD-1	21
IrrAd+isotype	19
AdHu5-E2F8+aPD-1	21
AdHu5-E2F8+isotype	20
AdHu5-AH1+aPD-1	21
AdHu5-AH1+isotype	28
Unvaccinated+aPD-1	21
Unvaccinated+isotype	22

19B



	Combo	AdHu5-E2F8 MG	AdHu5-AH1 MG	Unvaccinated+IrrAd
Median survival	29.5	21	24.5	21

Figure 20

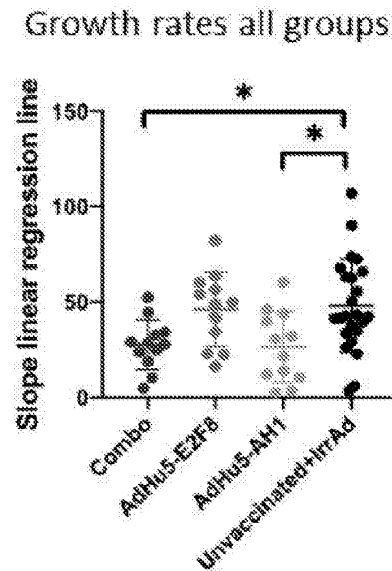


Figure 21

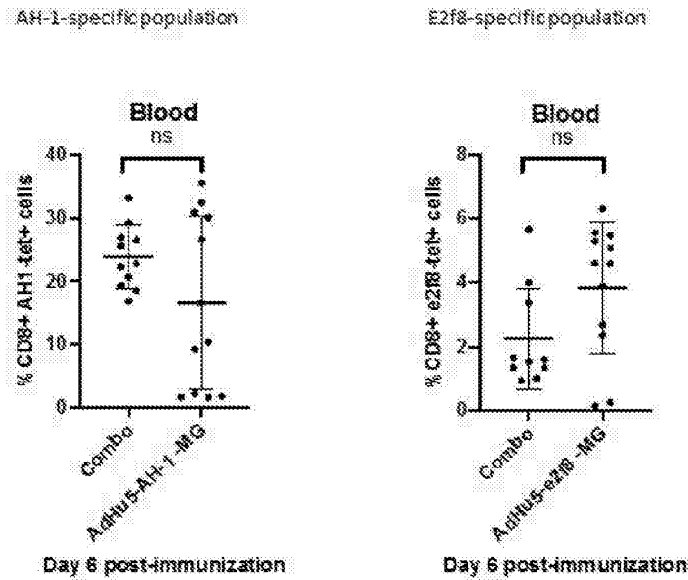


Figure 22

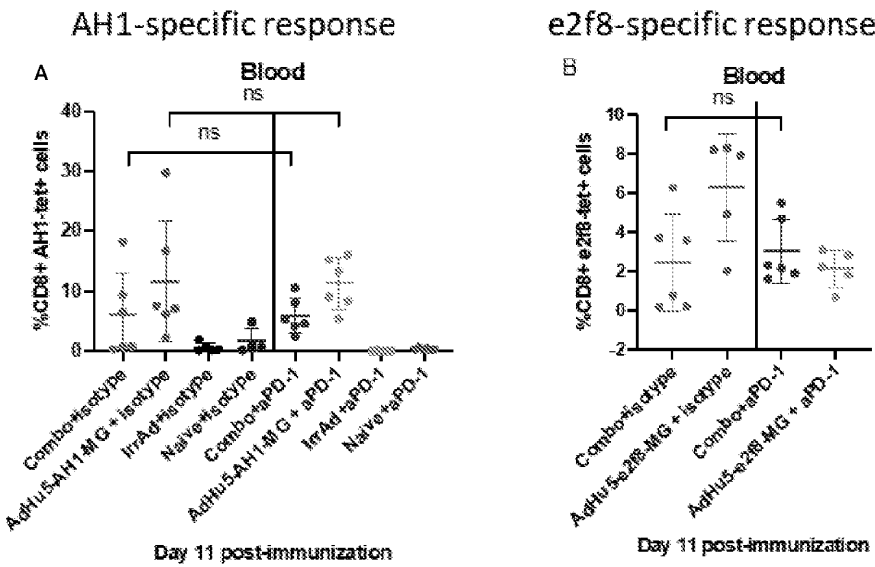


Figure 22

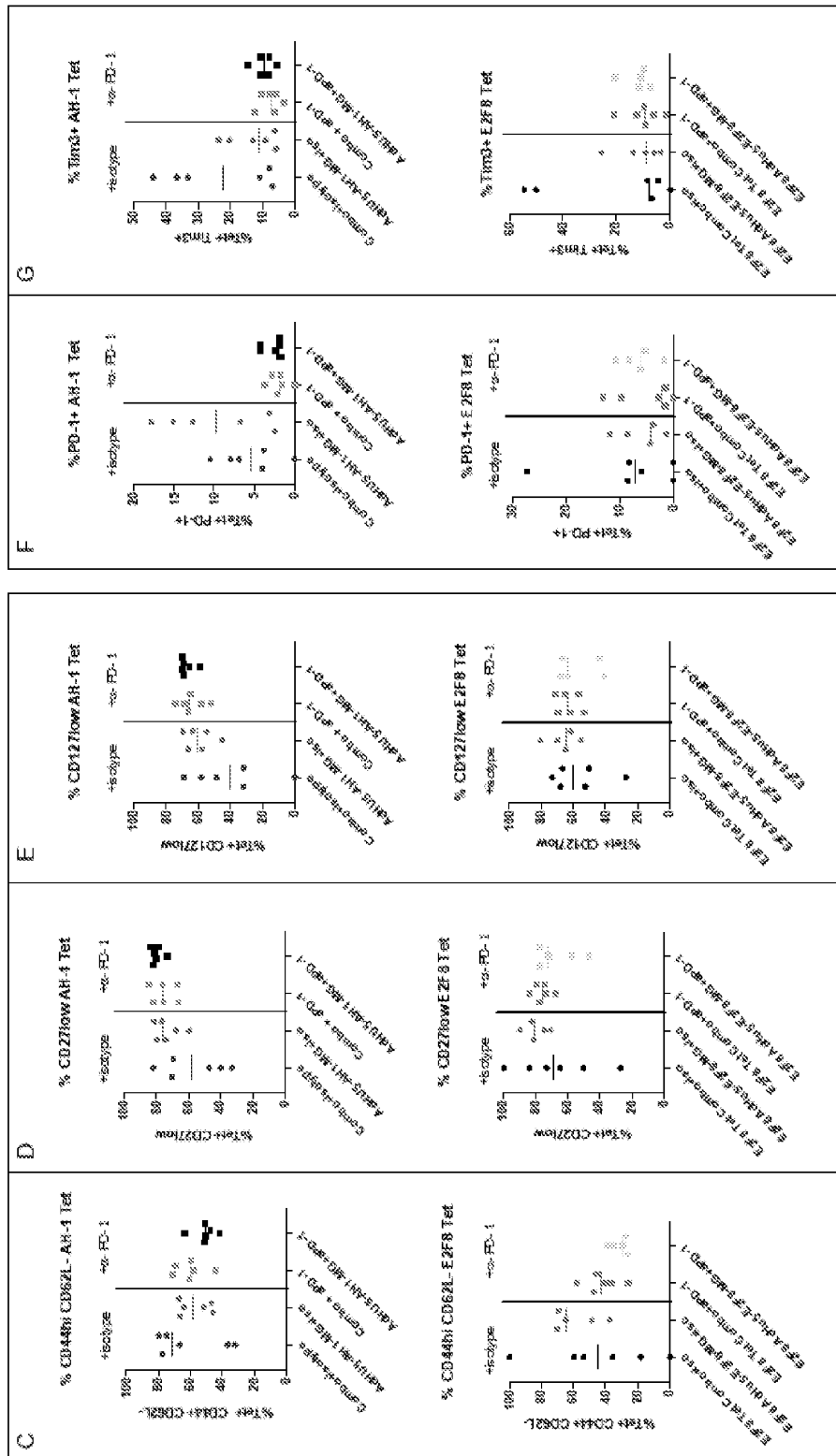


Figure 23

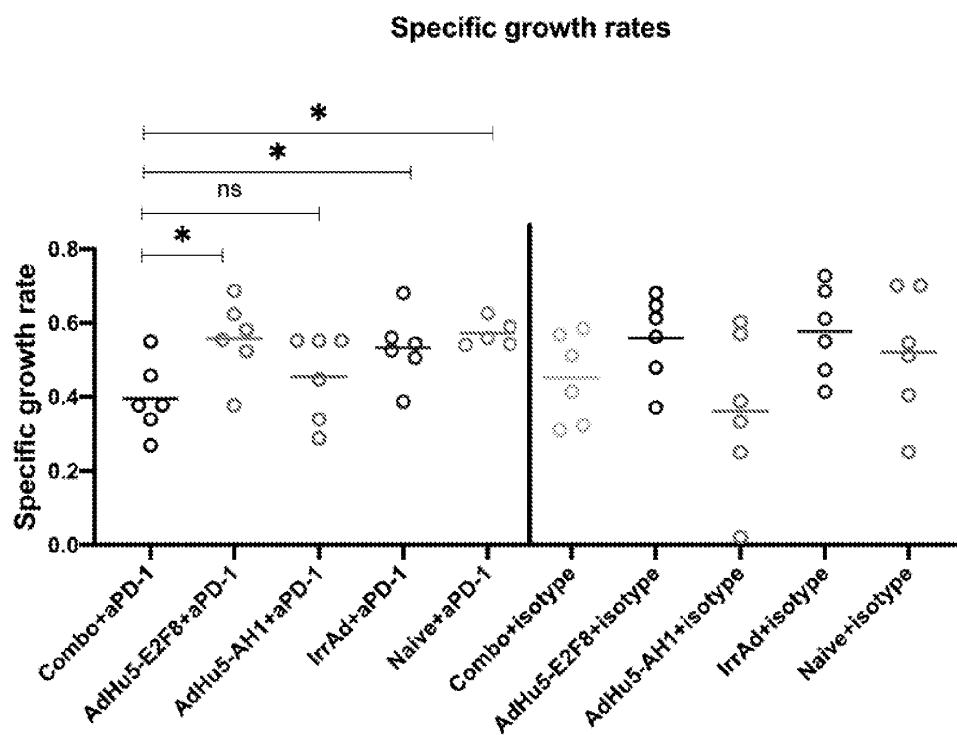


Figure 24

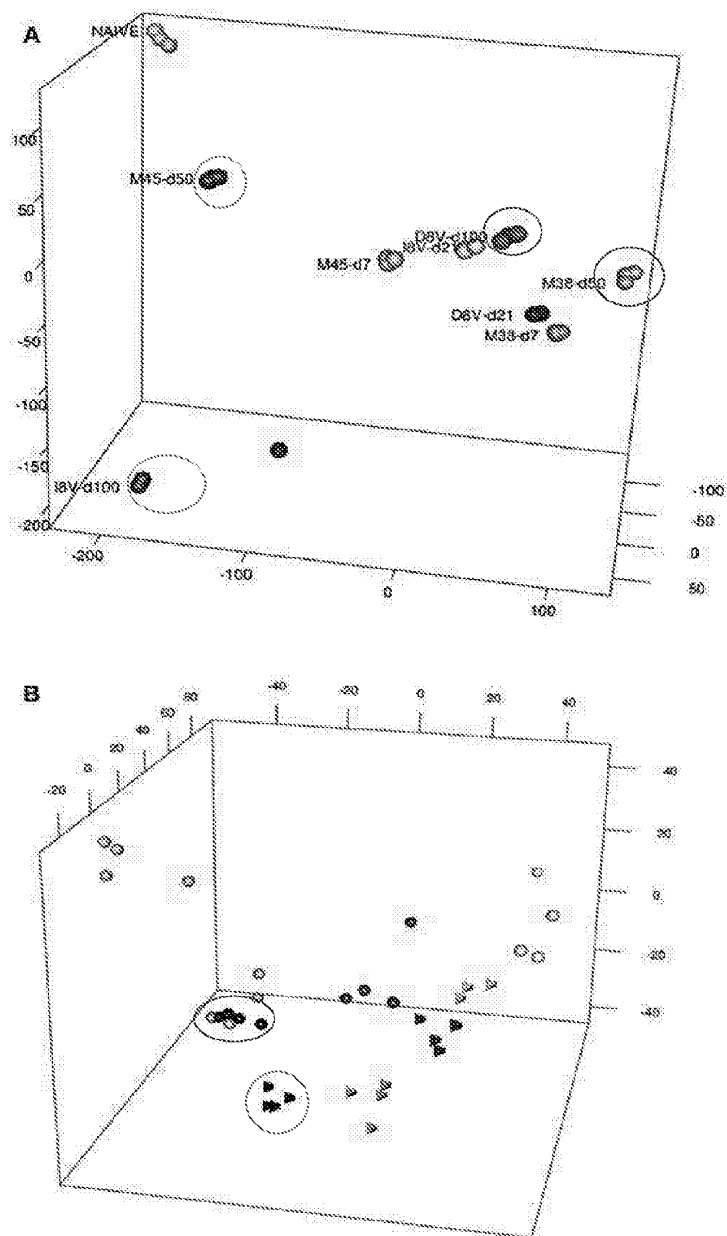


Figure 27A

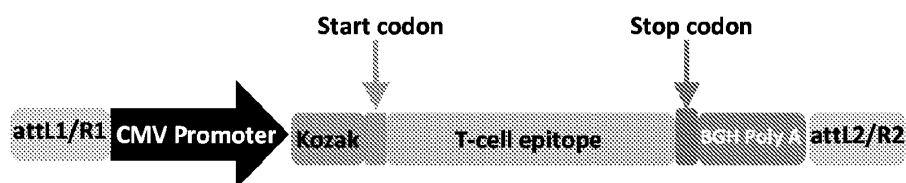
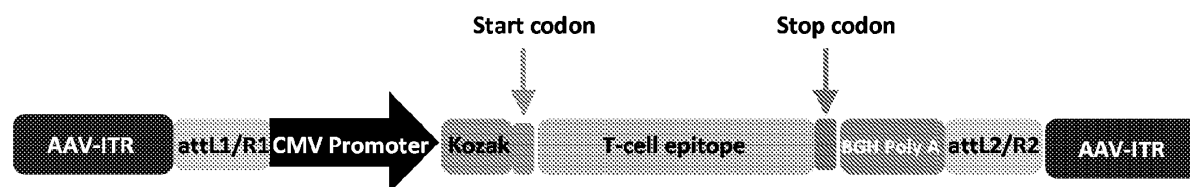
1. Layout of AdHu5 adenovirus with minigene immunogen cassette:**2. Layout of minigene immunogen cassette:**

Figure 27B

1. Layout of AAV-ITR-minigene immunogen cassette:



2. Layout of minigene immunogen cassette:

