

FIG. 1

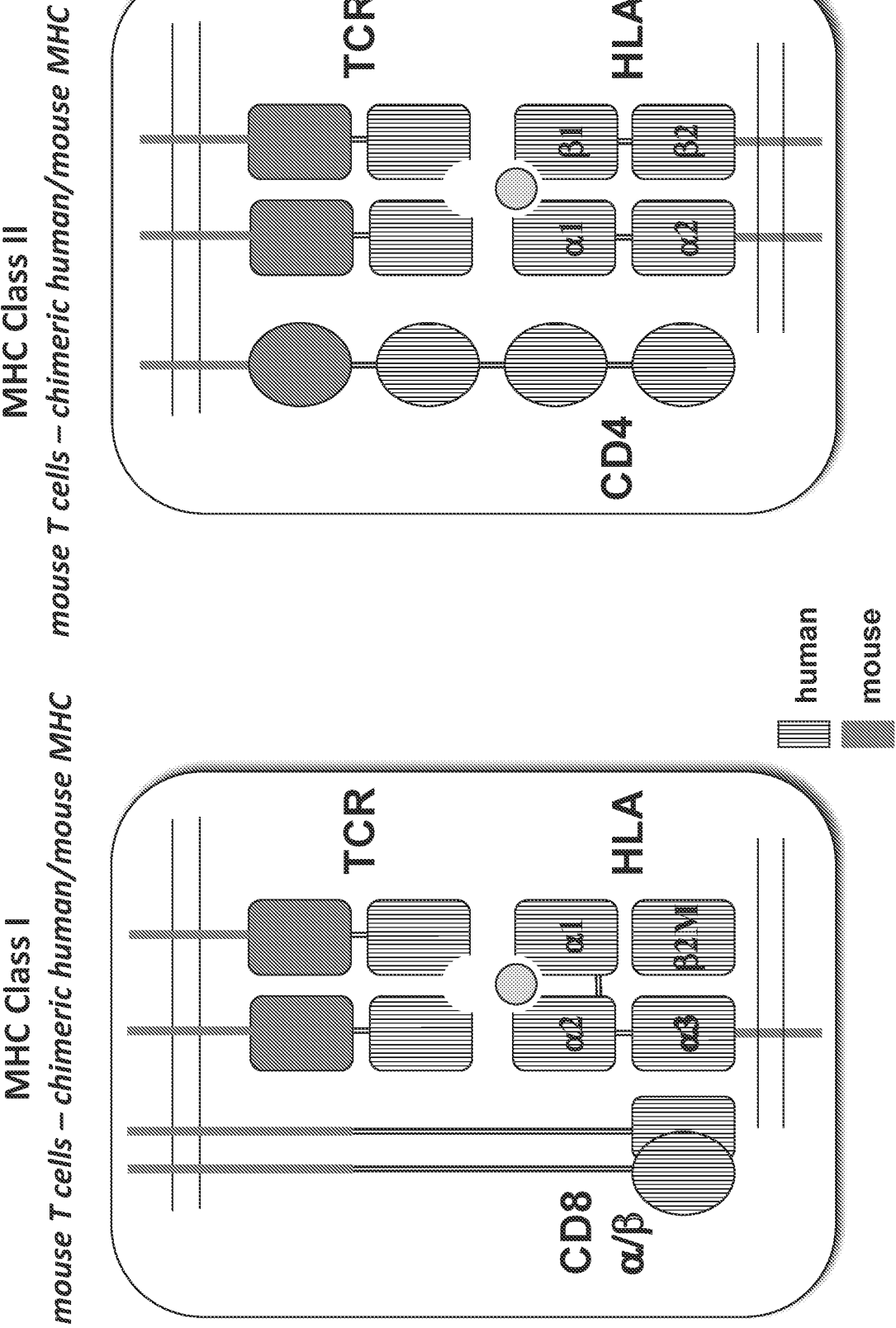


FIG.2A Chimeric HLA-A2/H-2K locus

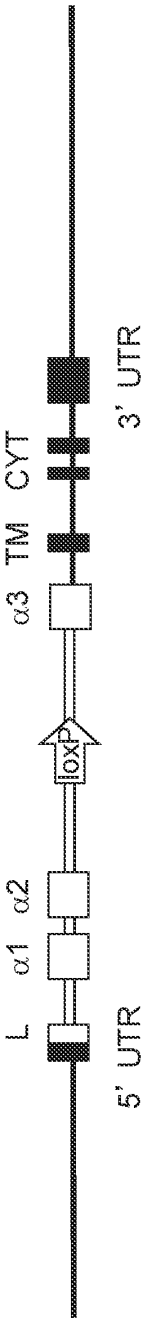


FIG.2B Chimeric HLA-DR2/H-2E Locus

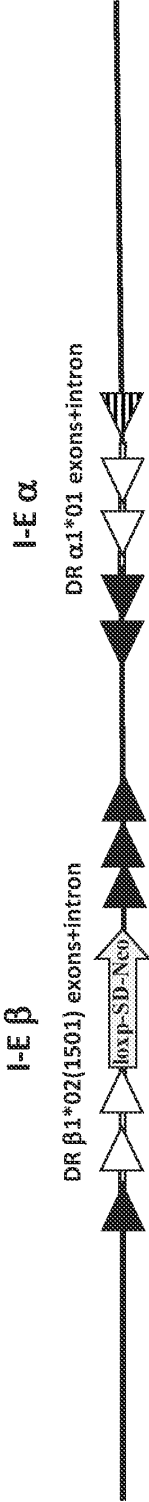


FIG.2C Humanized β2m Locus

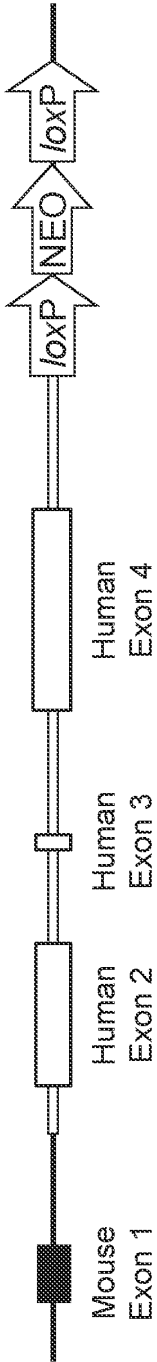


FIG. 3A

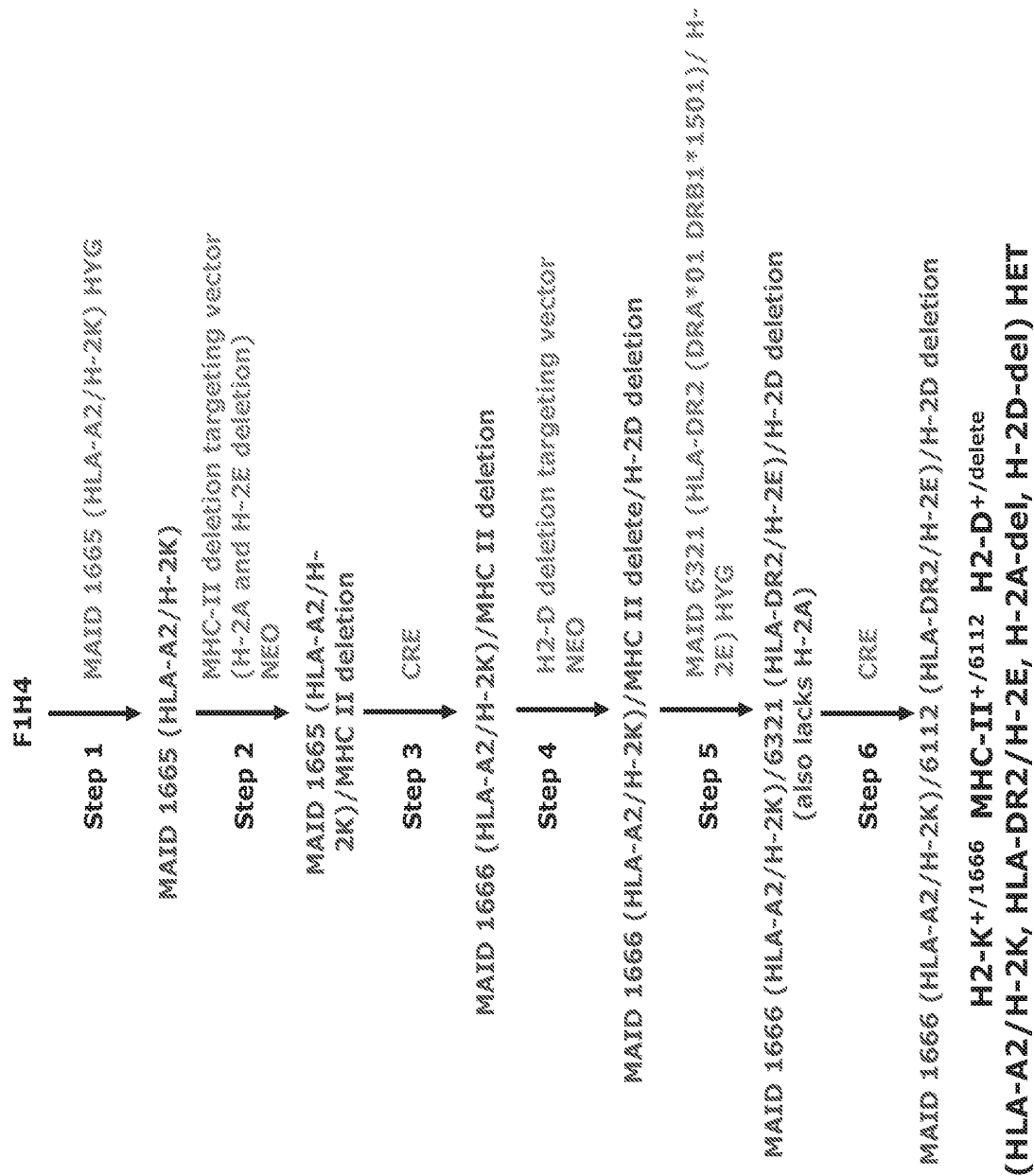


FIG. 3B

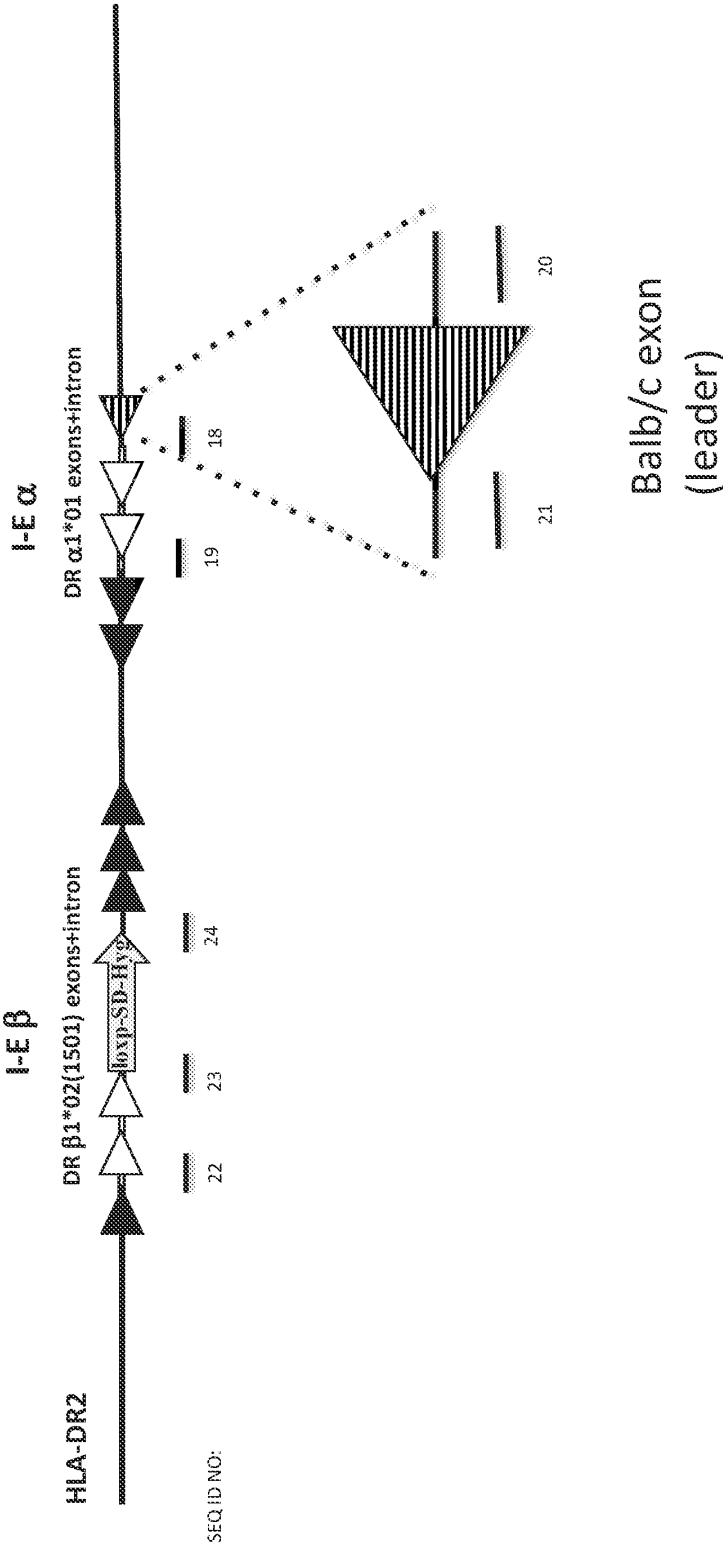
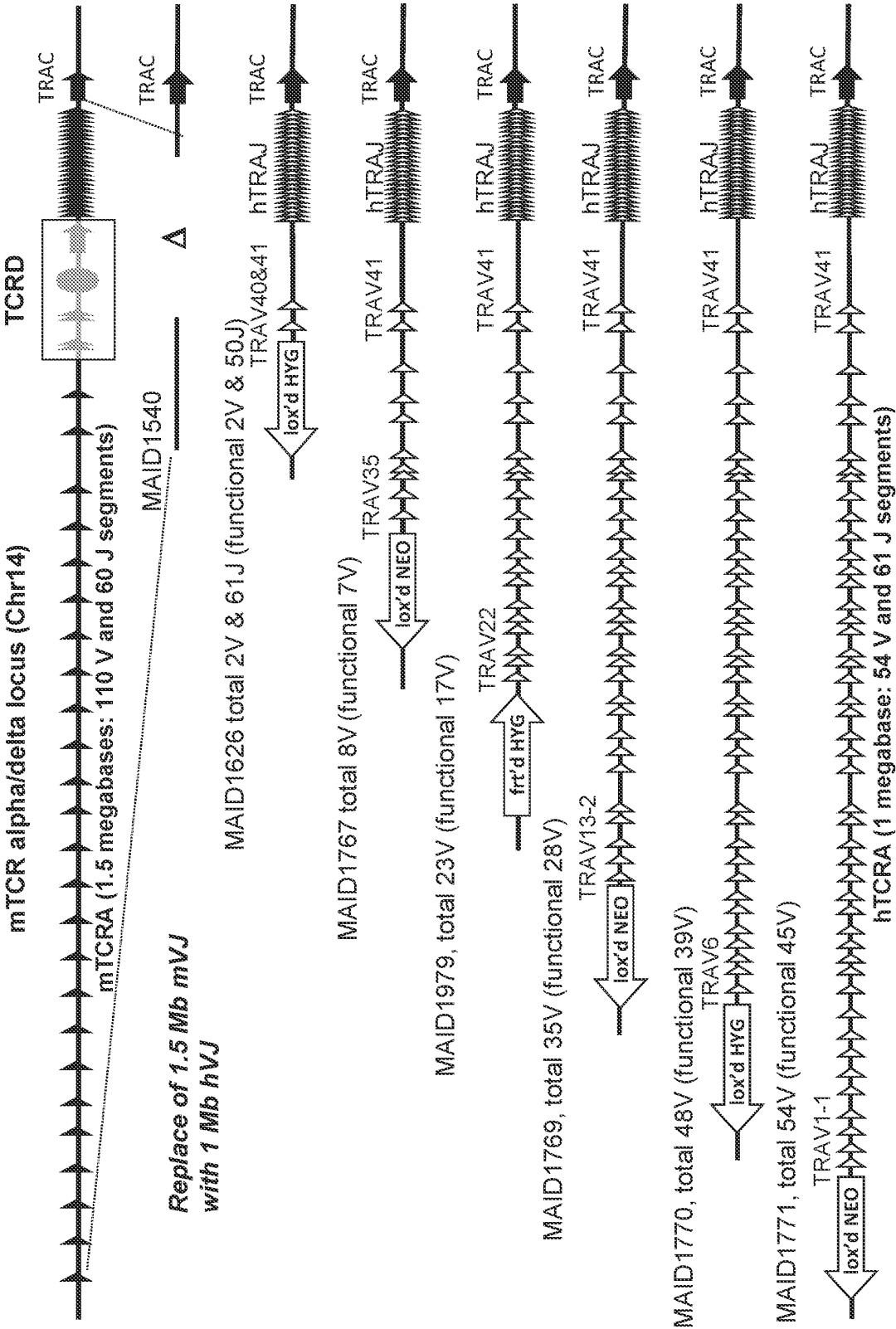


FIG. 4A



ॐ

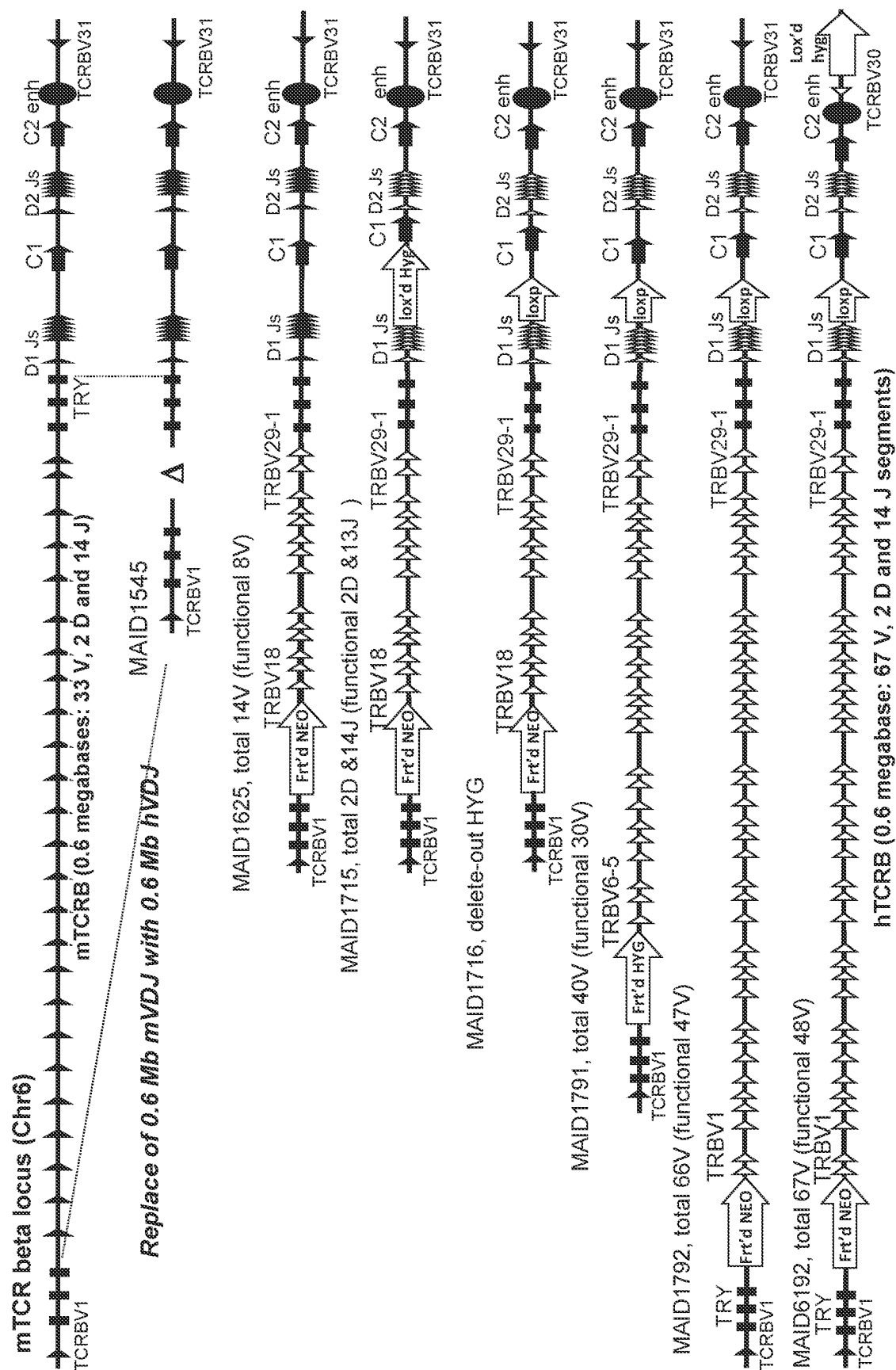


FIG. 4C

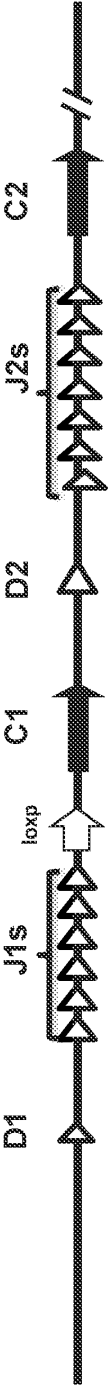


FIG. 5A
Chimeric CD4 gene

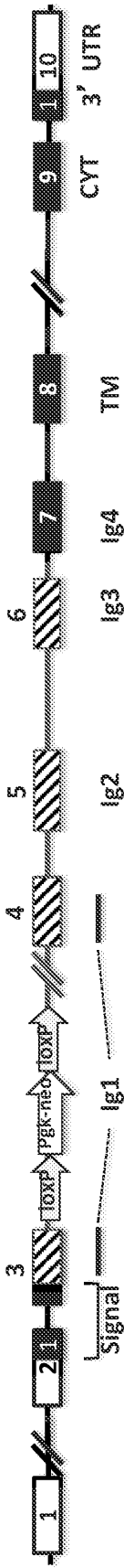
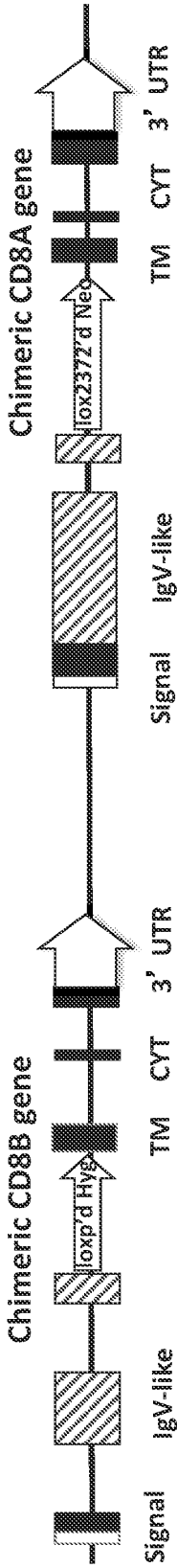


FIG. 5B



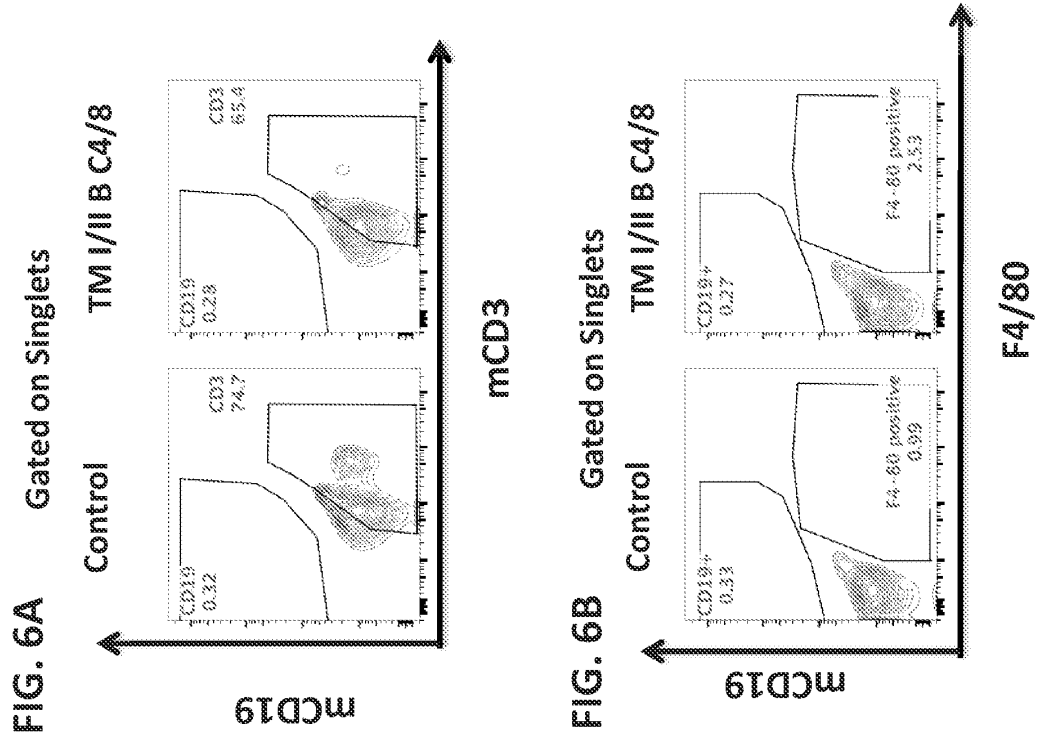


FIG. 6B

Gated on Singlets

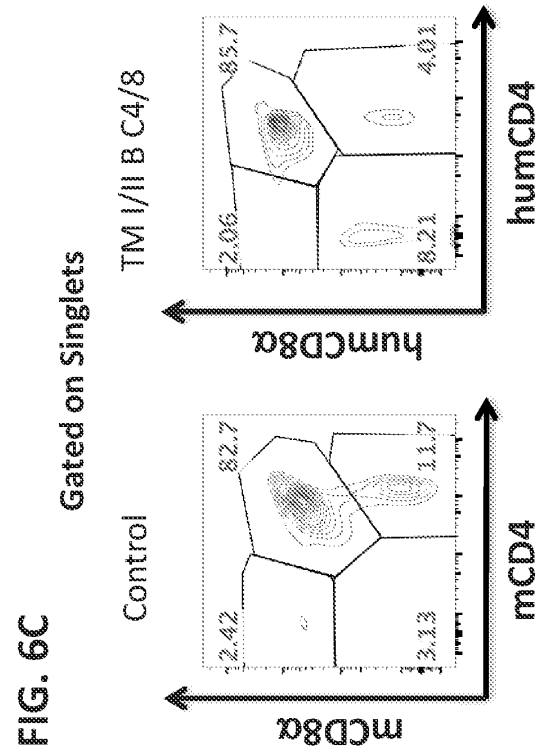
Control

TM I/II B C4/8

mCD19

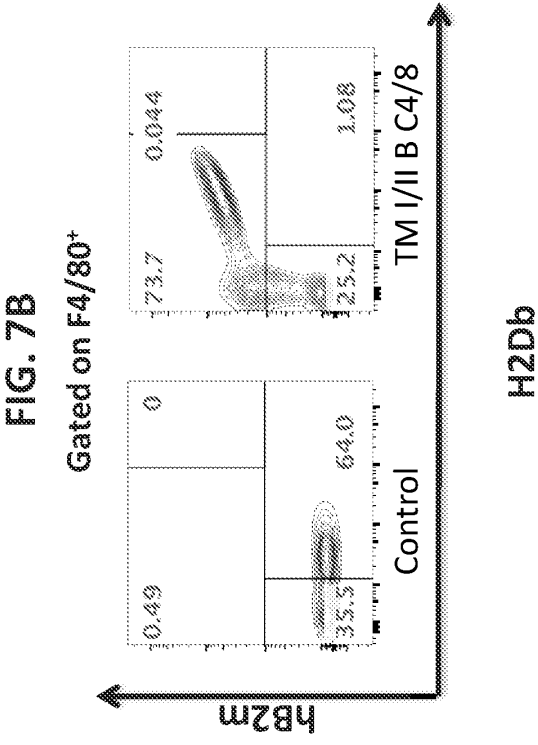
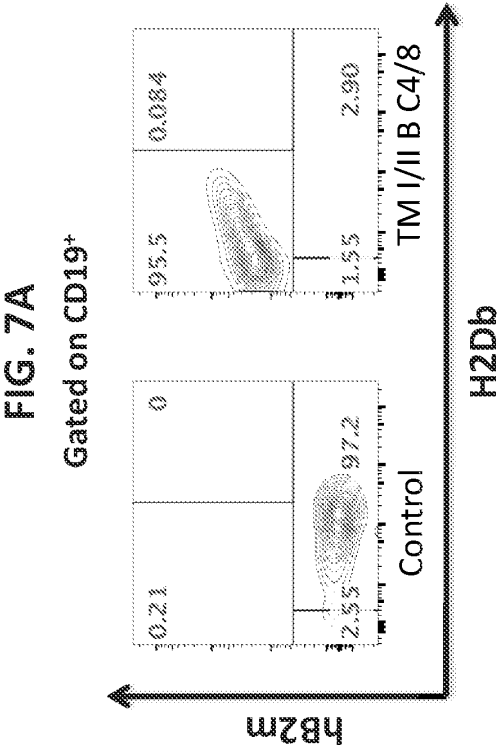
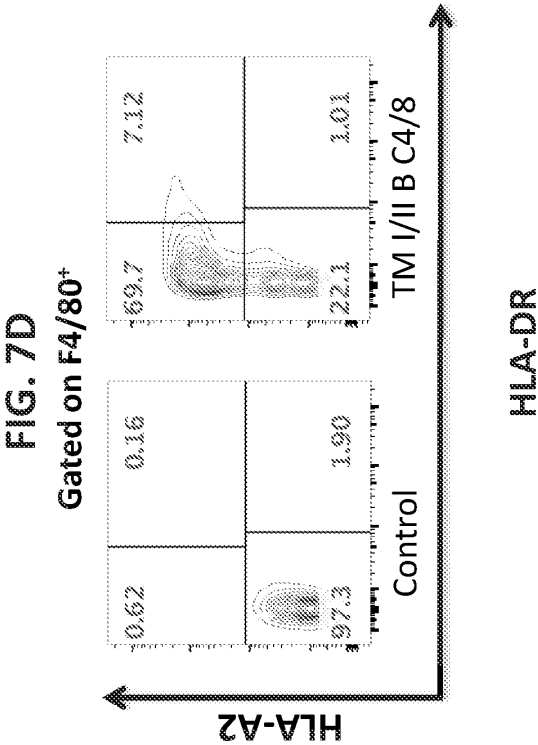
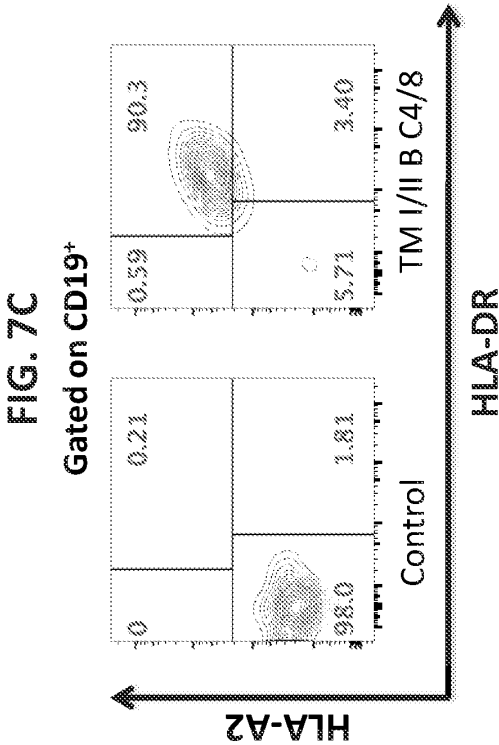
F4/80

Quadrant	Control (%)	TM I/II B C4/8 (%)
mCD19 ⁺ F4/80 ⁺	0.99	0.99
mCD19 ⁺ F4/80 ⁻	0.33	0.33
mCD19 ⁻ F4/80 ⁺	0.27	0.27
mCD19 ⁻ F4/80 ⁻	2.53	2.53



mCD8 α

humCD4



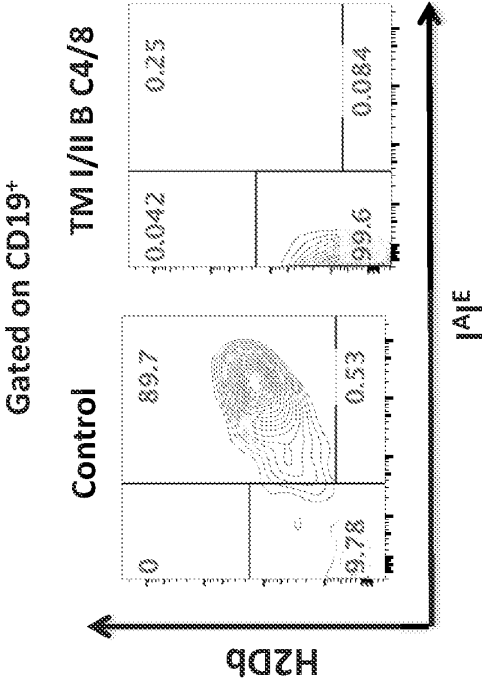


FIG. 7E

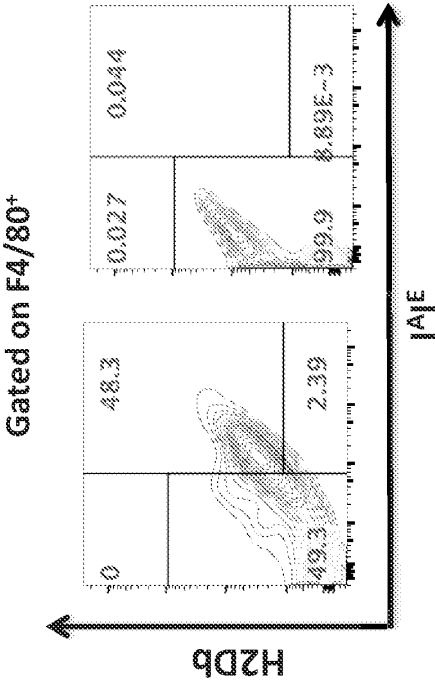


FIG. 7F

FIG. 7G

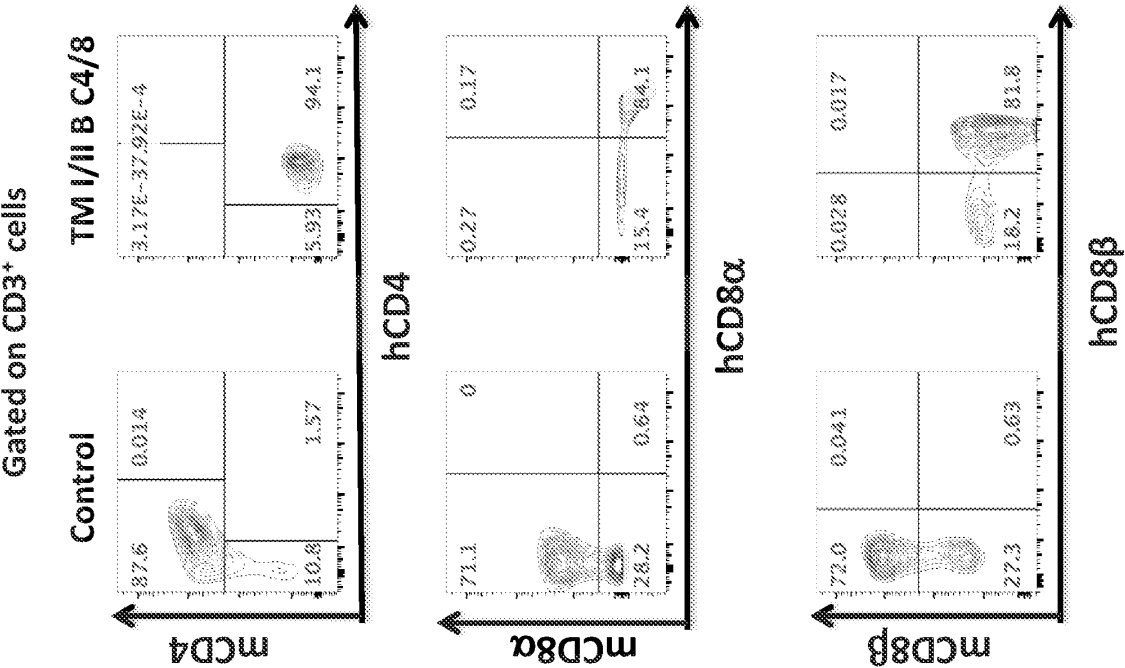
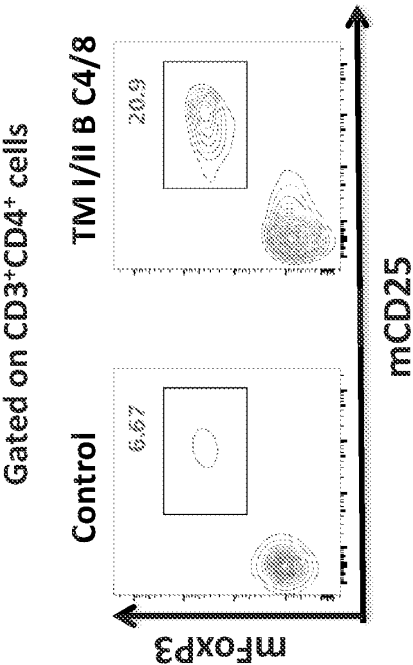


FIG. 8
Thymus



Spleen

FIG. 9A Gated on singlets

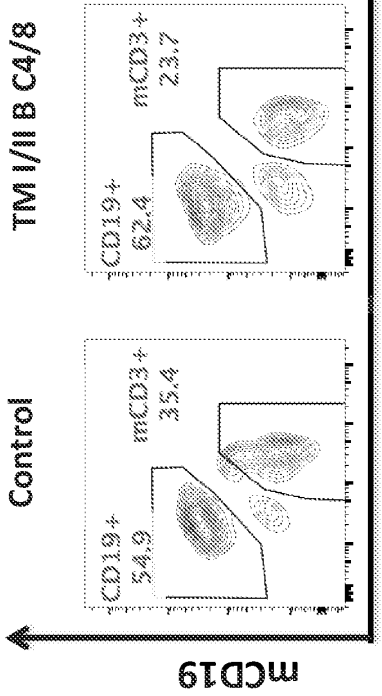


FIG. 9B Gated on singlets

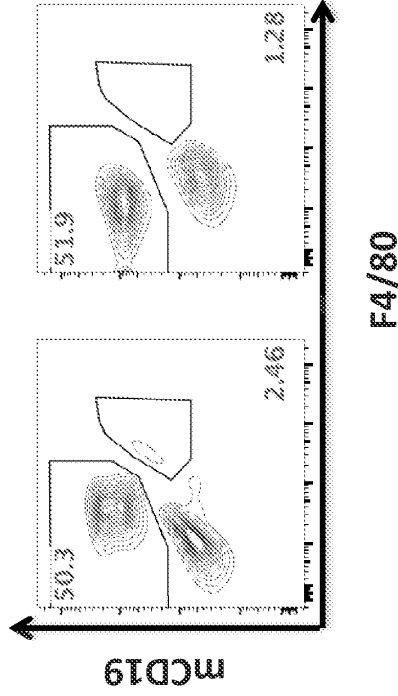
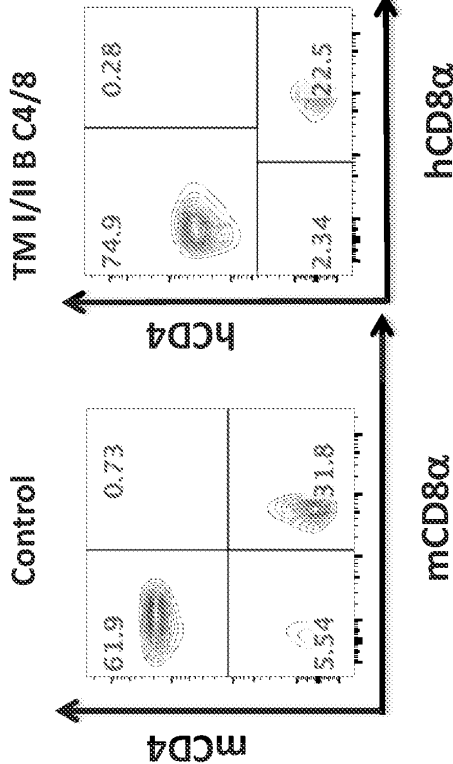
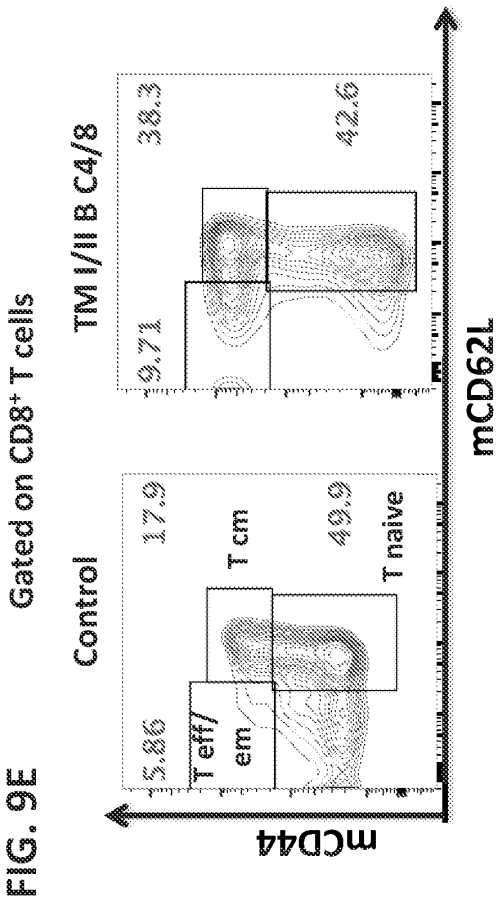
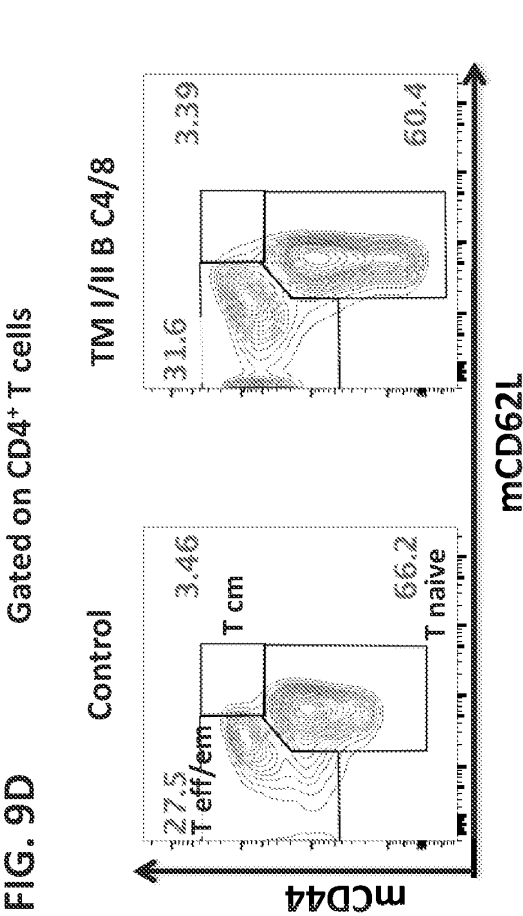


FIG. 9C

Gated on CD3⁺ cells





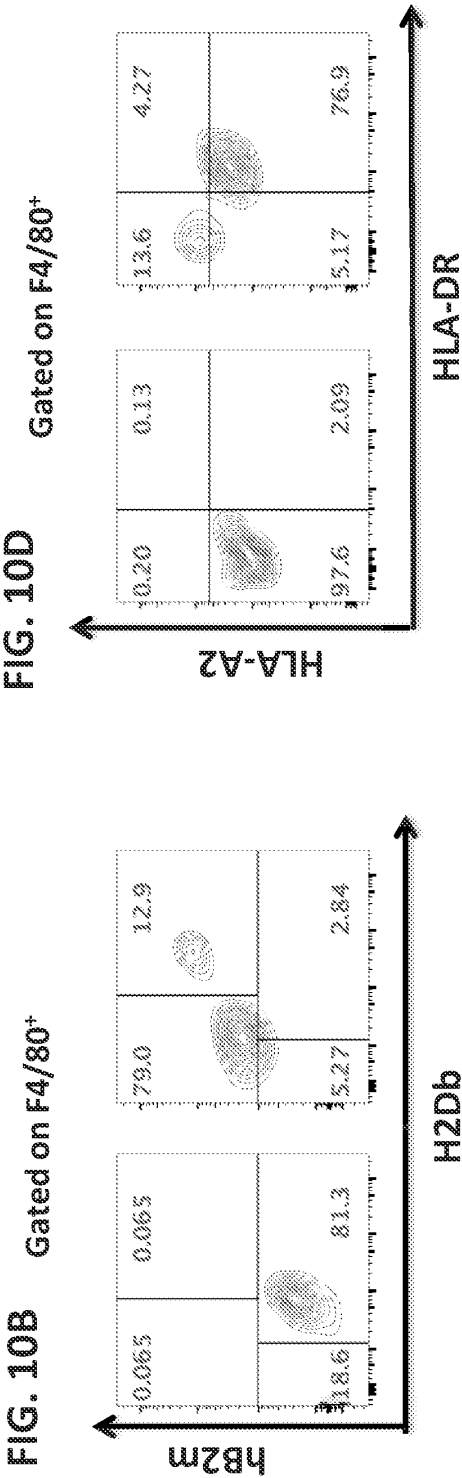
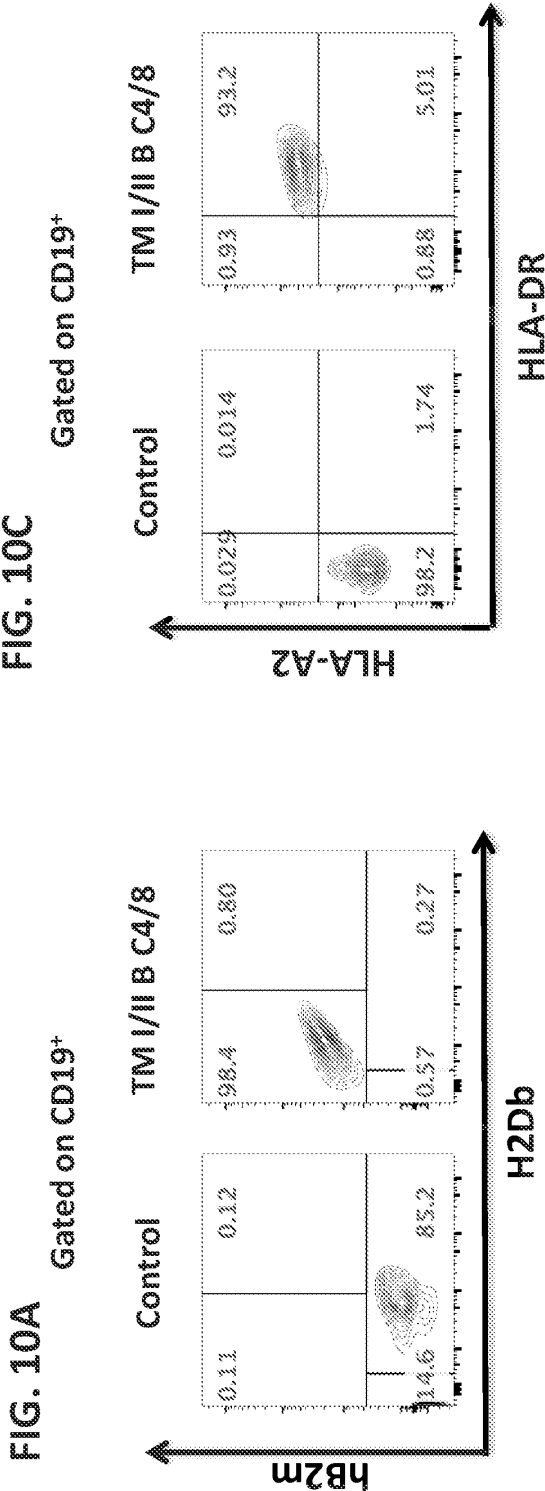


FIG. 10C Gated on CD19⁺

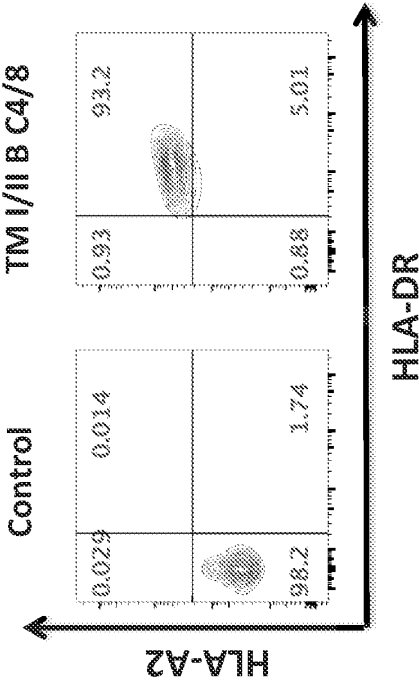
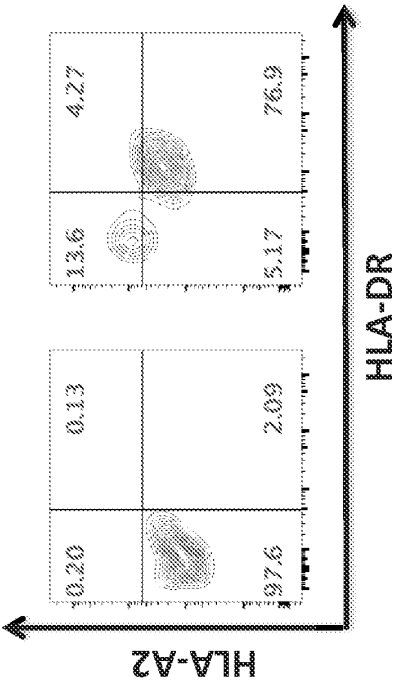


FIG. 10D Gated on F4/80⁺



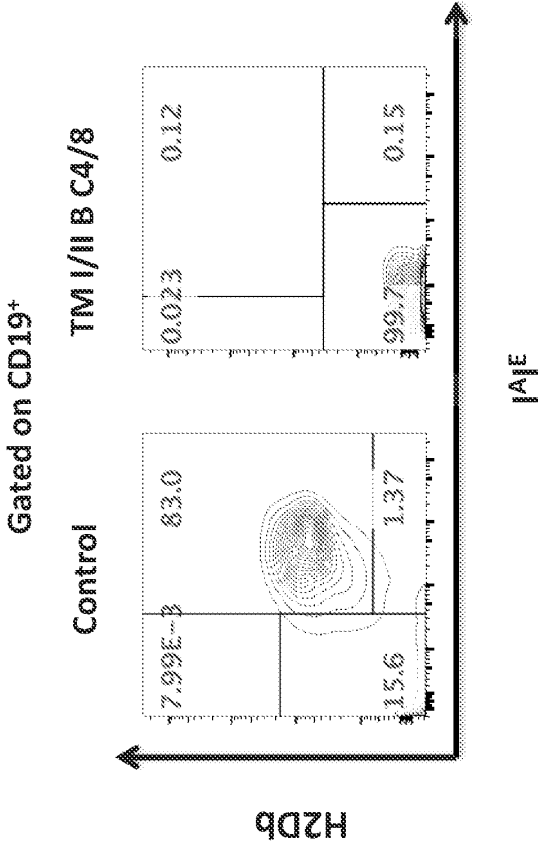


FIG. 10E

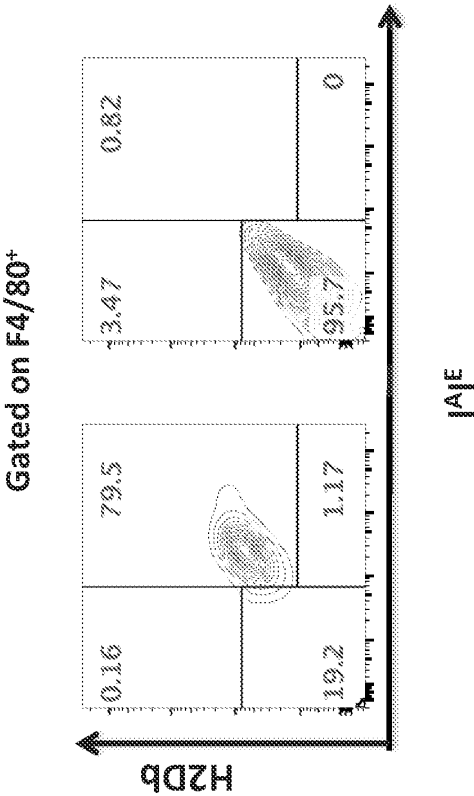


FIG. 10F

FIG. 10G

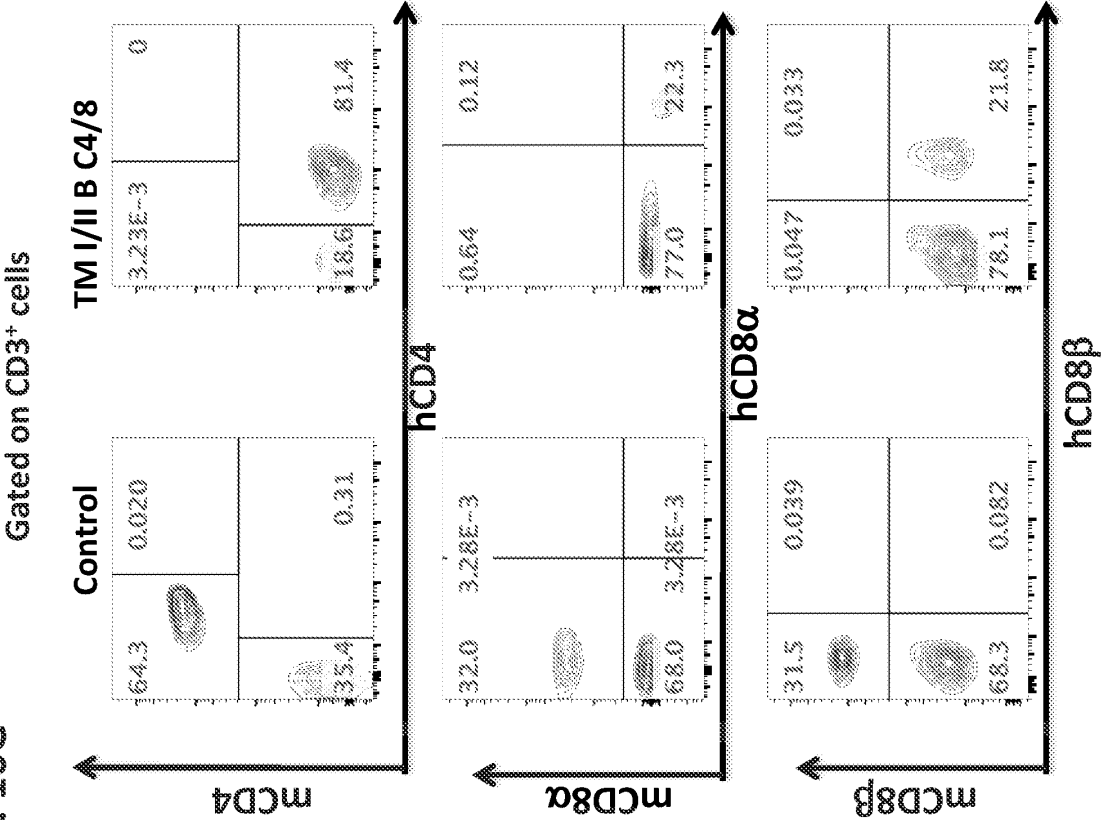


FIG. 11
Spleen

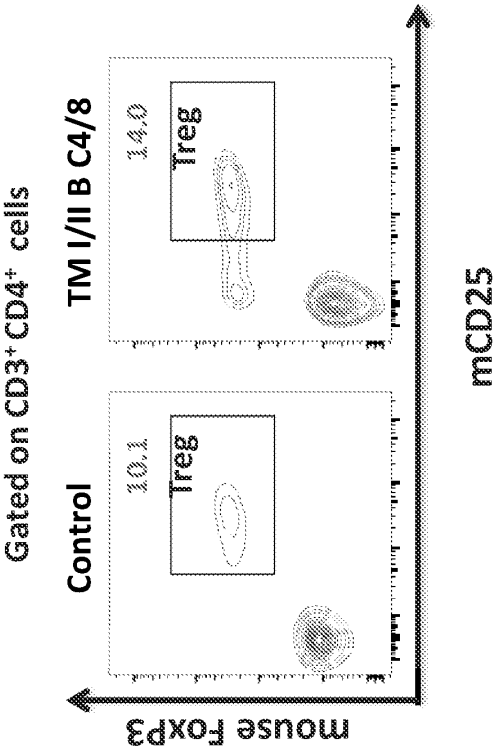


FIG. 12A

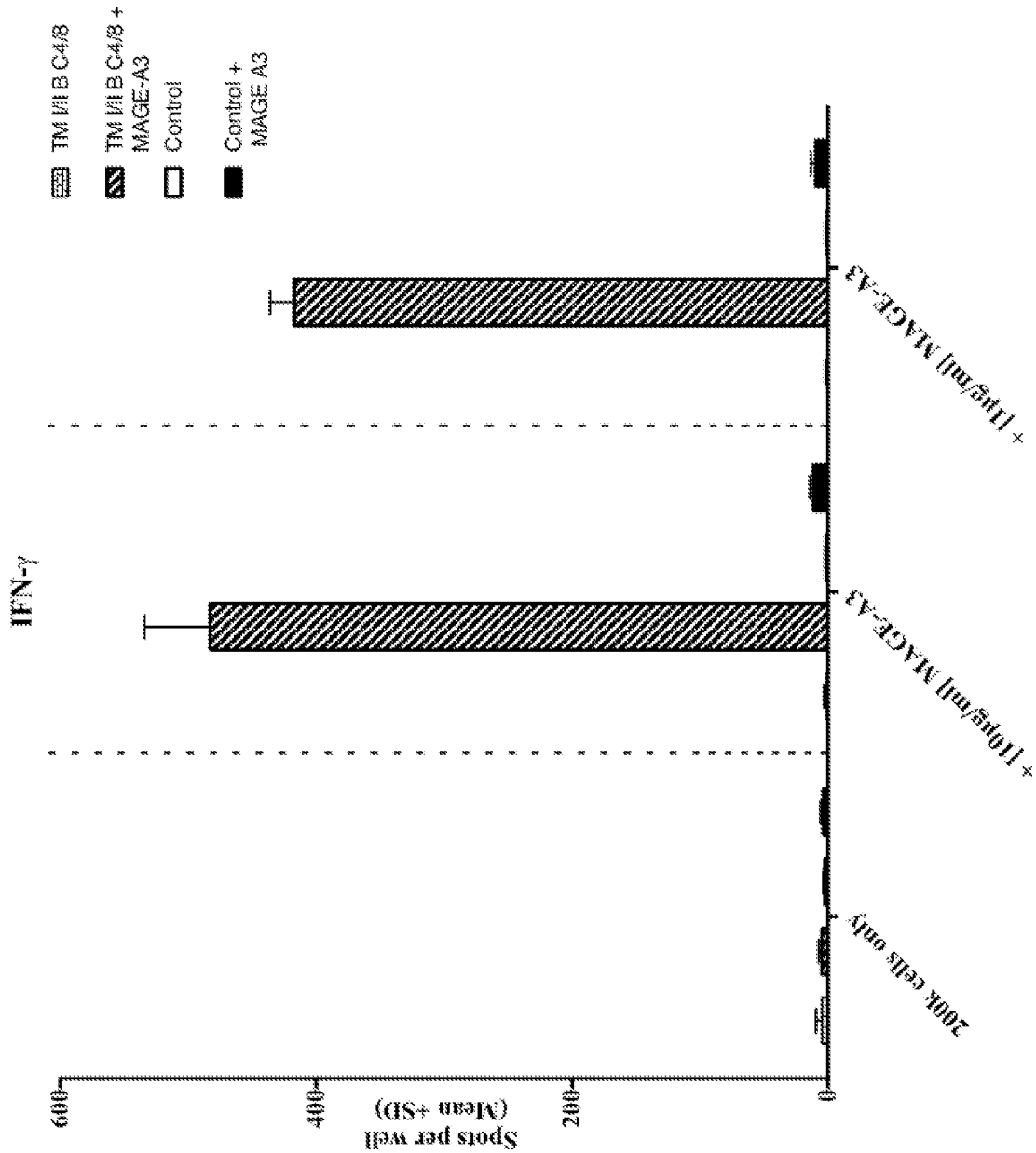
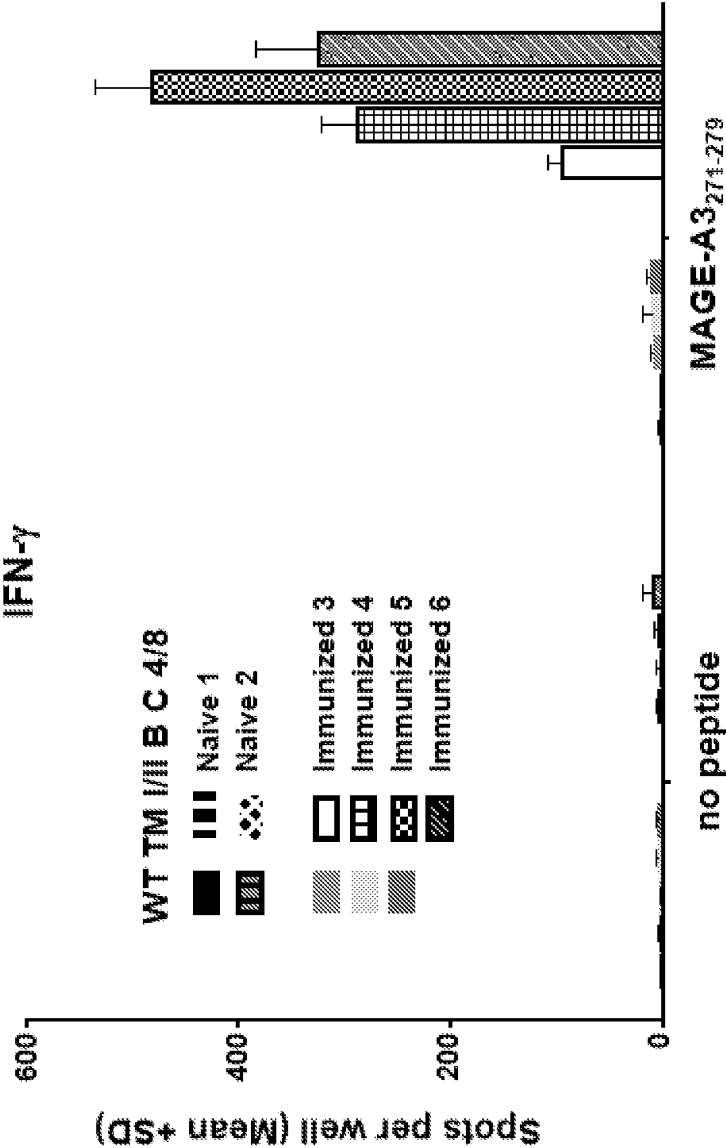


FIG. 12B



FIG. 12C



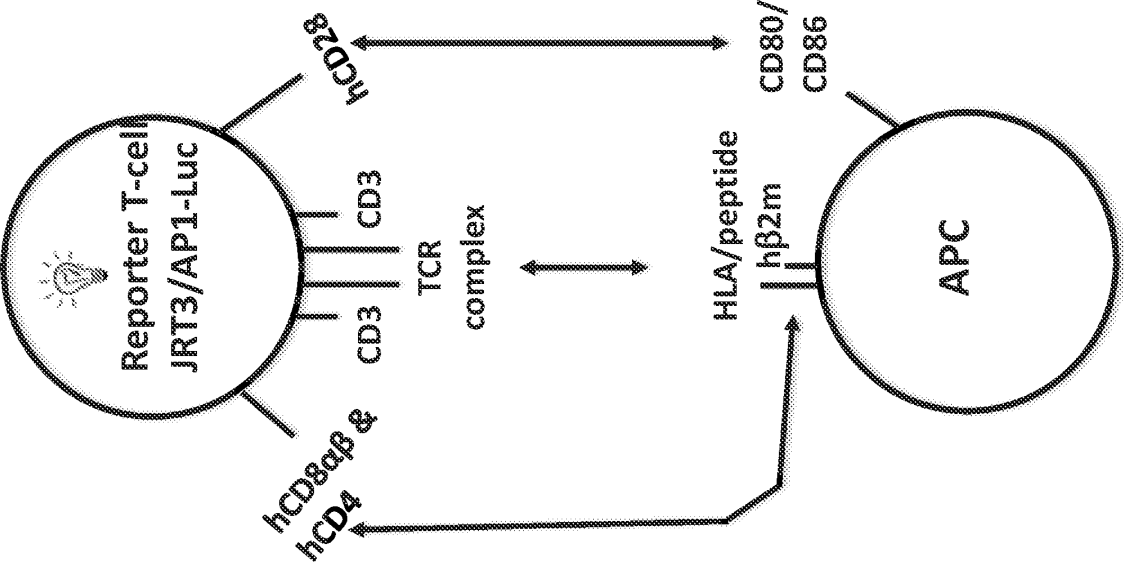


FIG. 12D

JRT3 activation assay

FIG. 12E

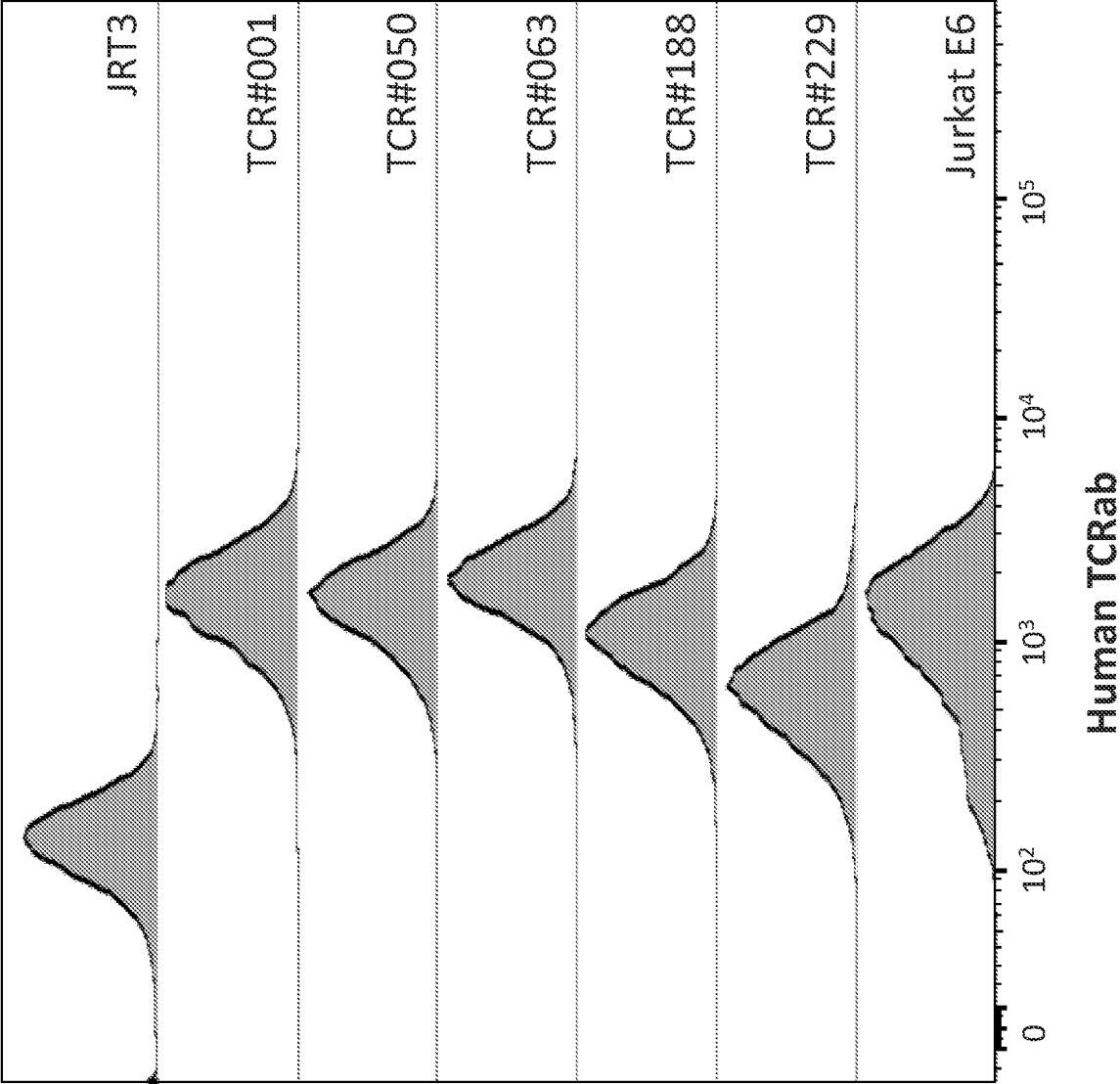


FIG. 12F

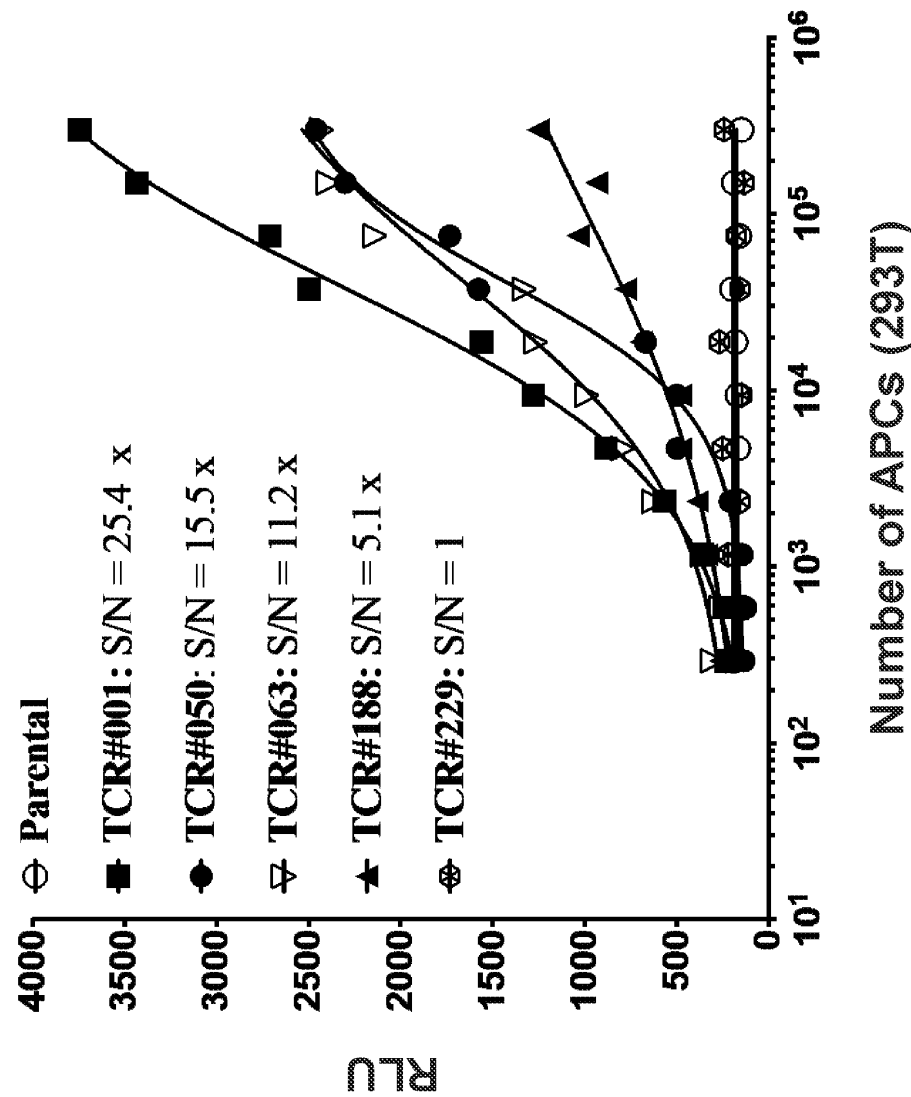


FIG. 12G

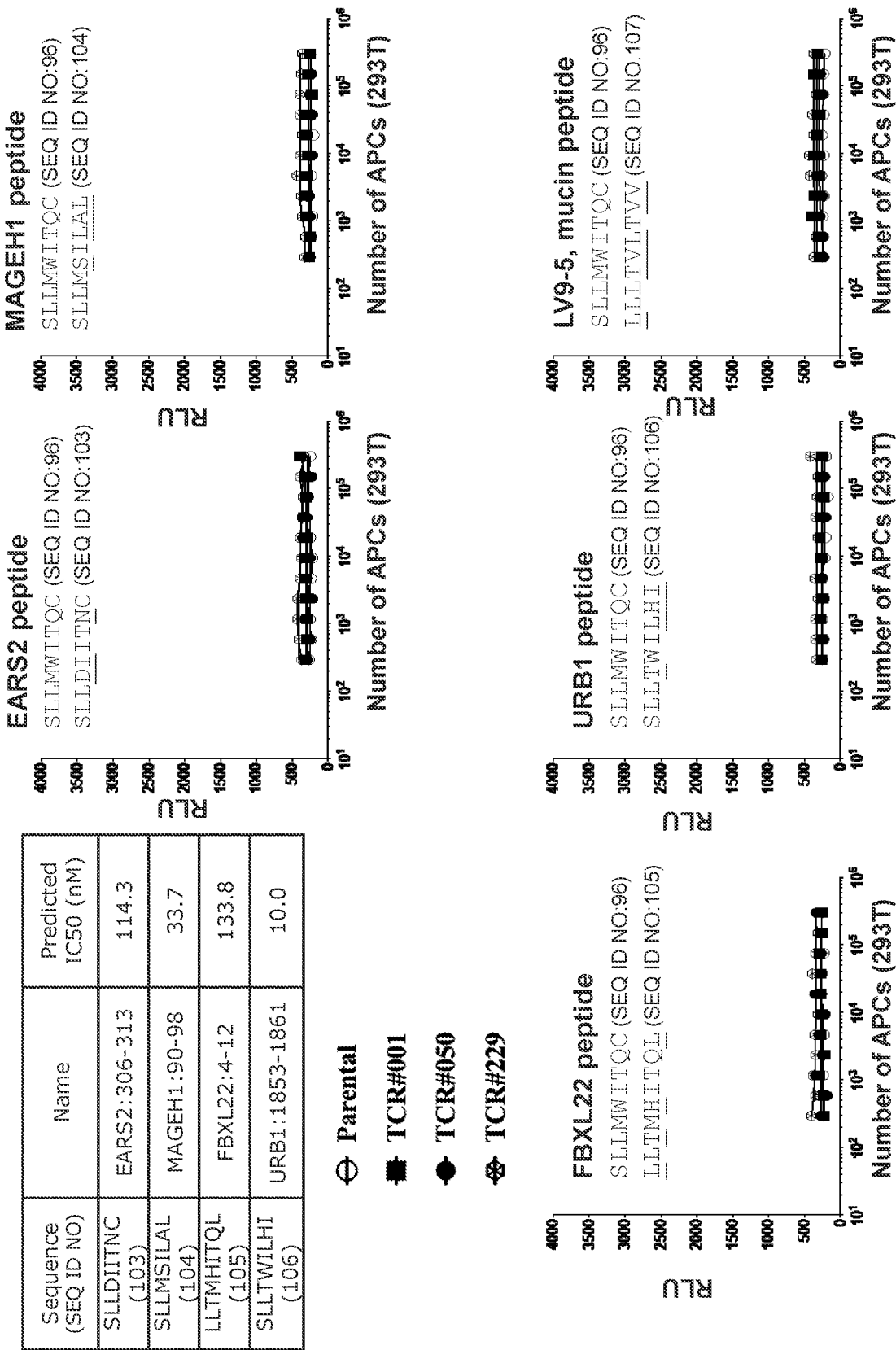


FIG. 12G displays six dot plots showing the Relative Luminescence Unit (RLU) response of various TCRs (Parental, TCR#001, TCR#050, TCR#229) to different peptides (EARS2, MAGEH1, FBXL22, URB1, LV9-5, mucin peptide) presented by APCs (293T). The y-axis represents RLU (0 to 4000) and the x-axis represents the Number of APCs (293T) on a logarithmic scale (10¹ to 10⁶). The plots show that the RLU response increases with the number of APCs, indicating TCR activation. The TCR#001 and TCR#050 show the highest RLU responses across all peptides, while the Parental TCR shows the lowest response.

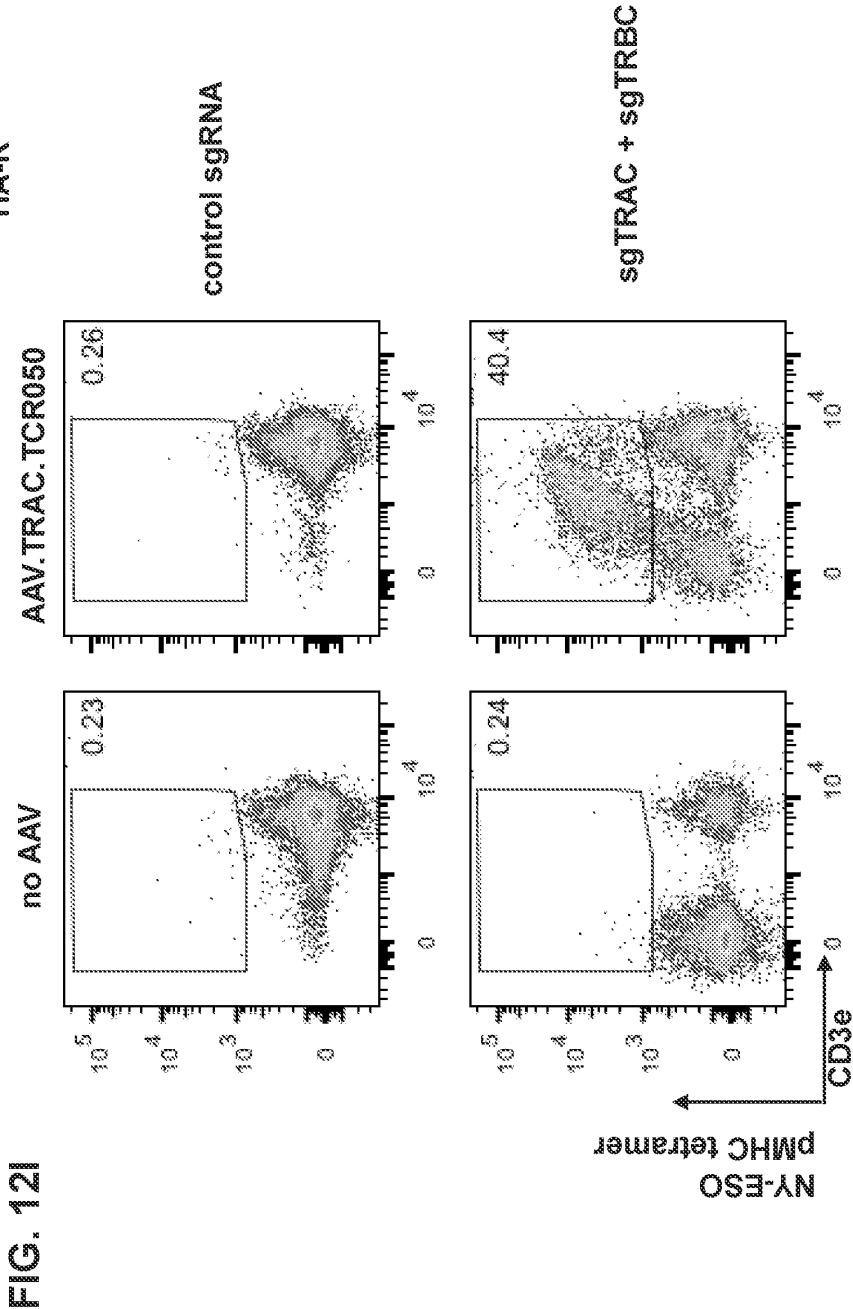
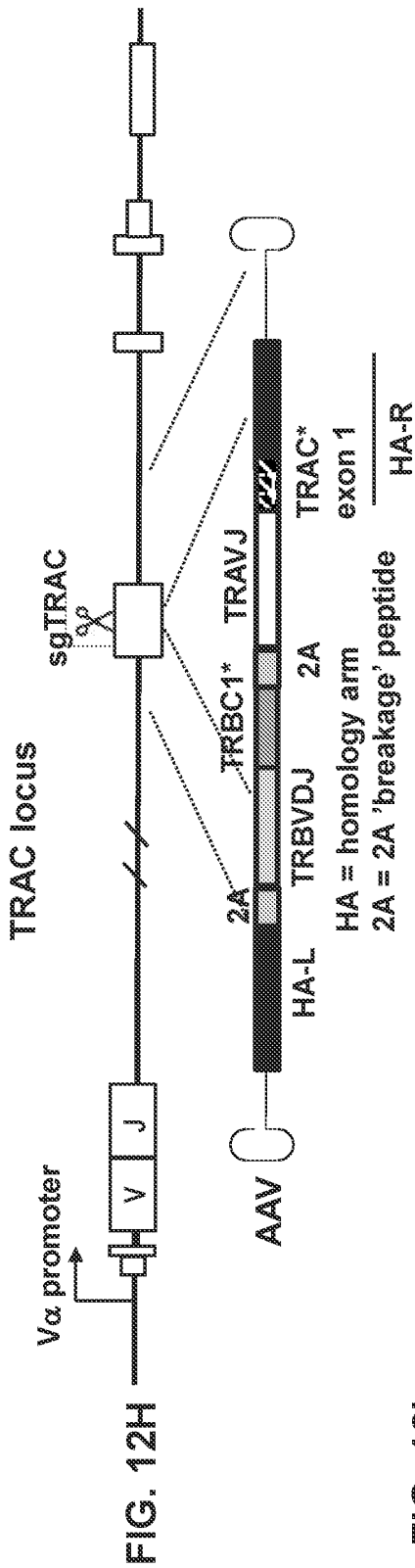


FIG. 12J



FIG. 12K

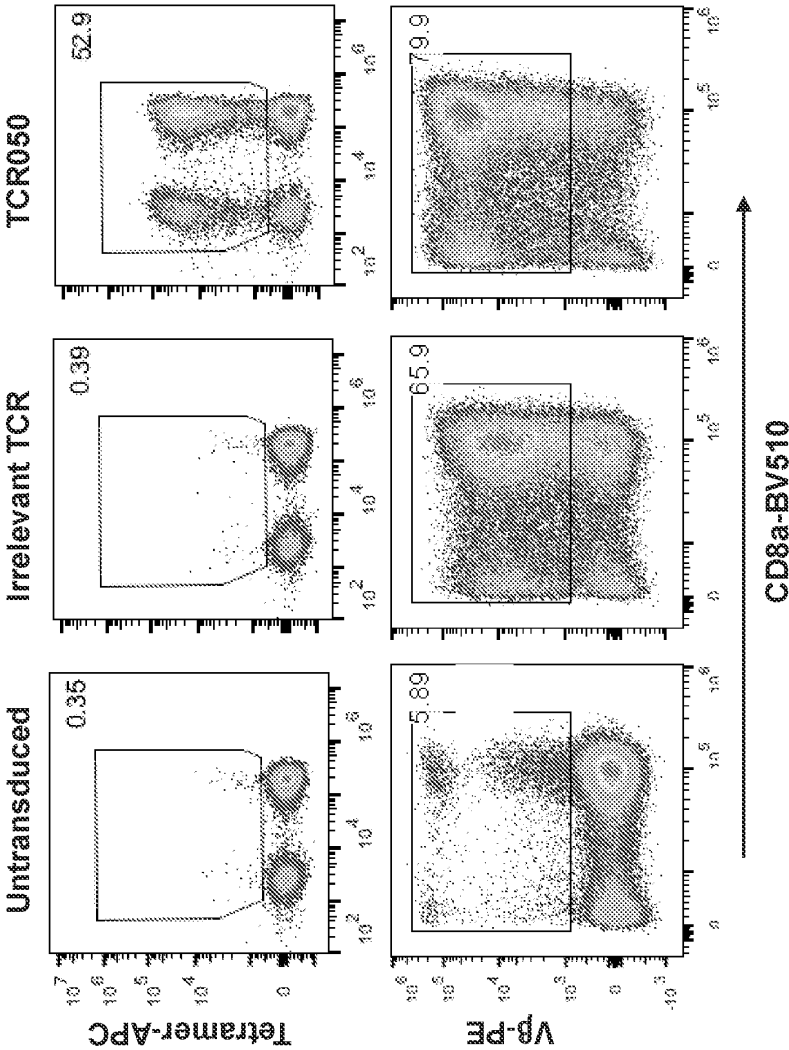


FIG. 12L

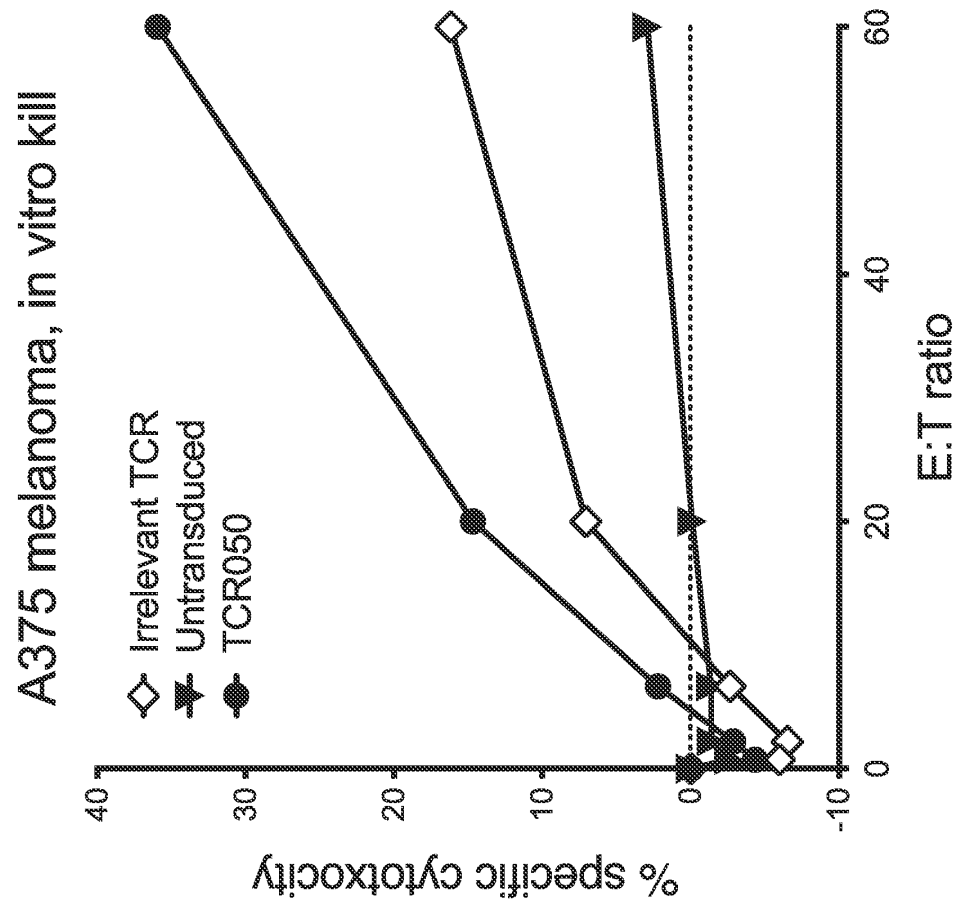


FIG. 12M

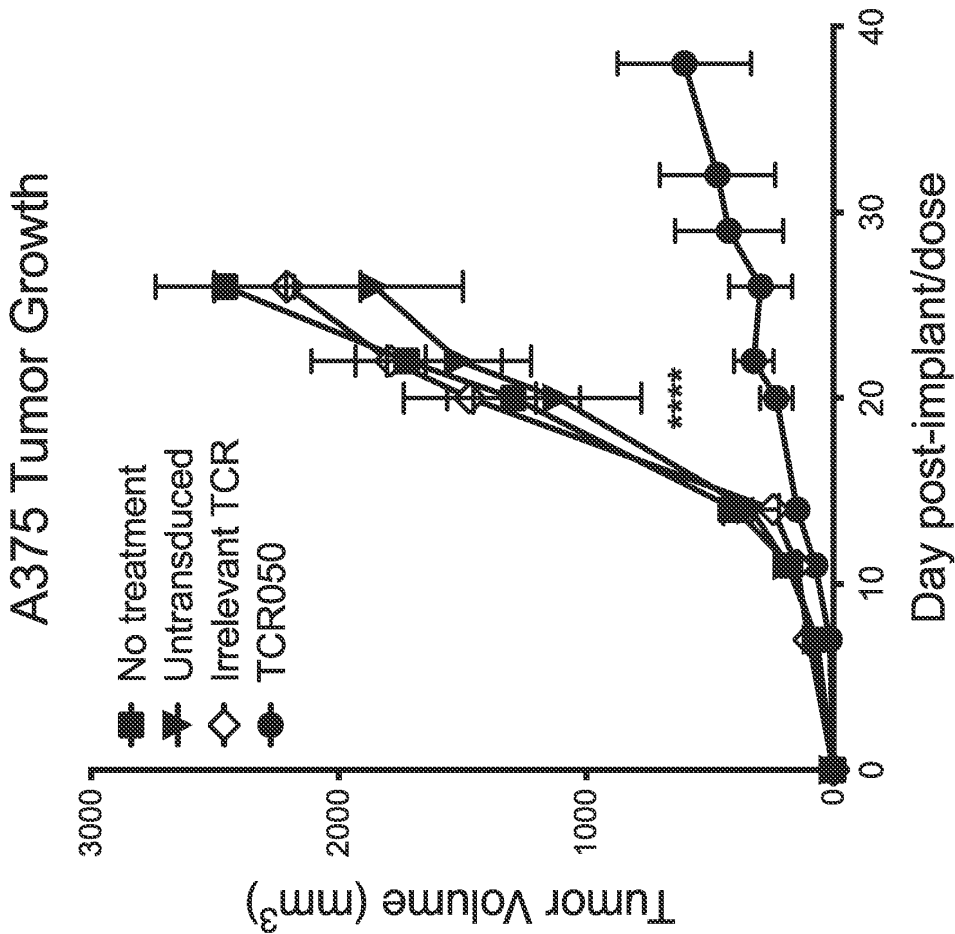


FIG. 12N

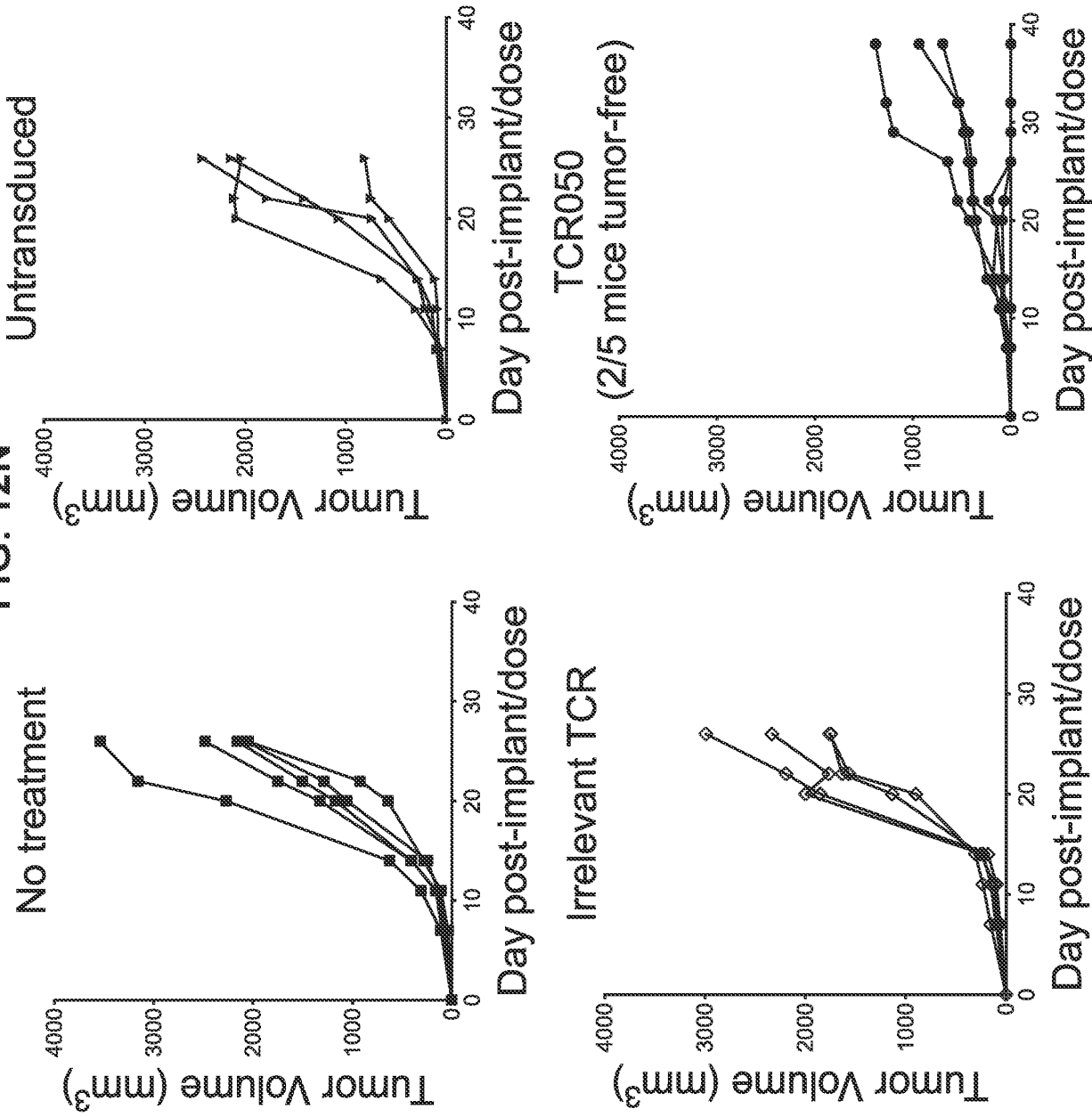


FIG. 120

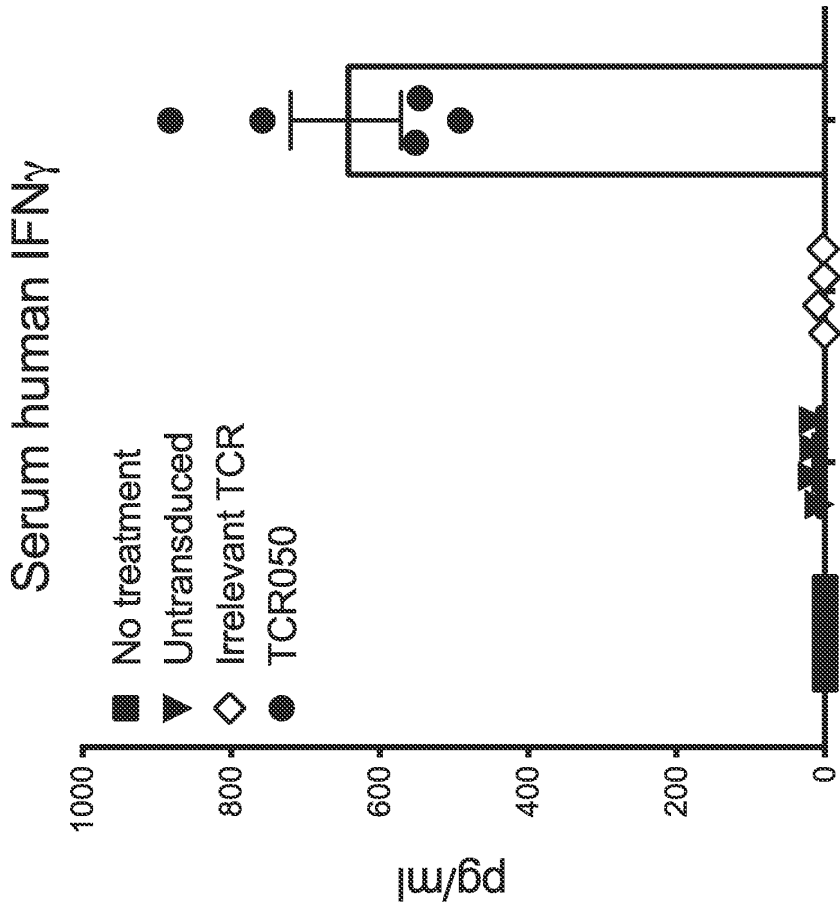


FIG. 13A
Armstrong Infection

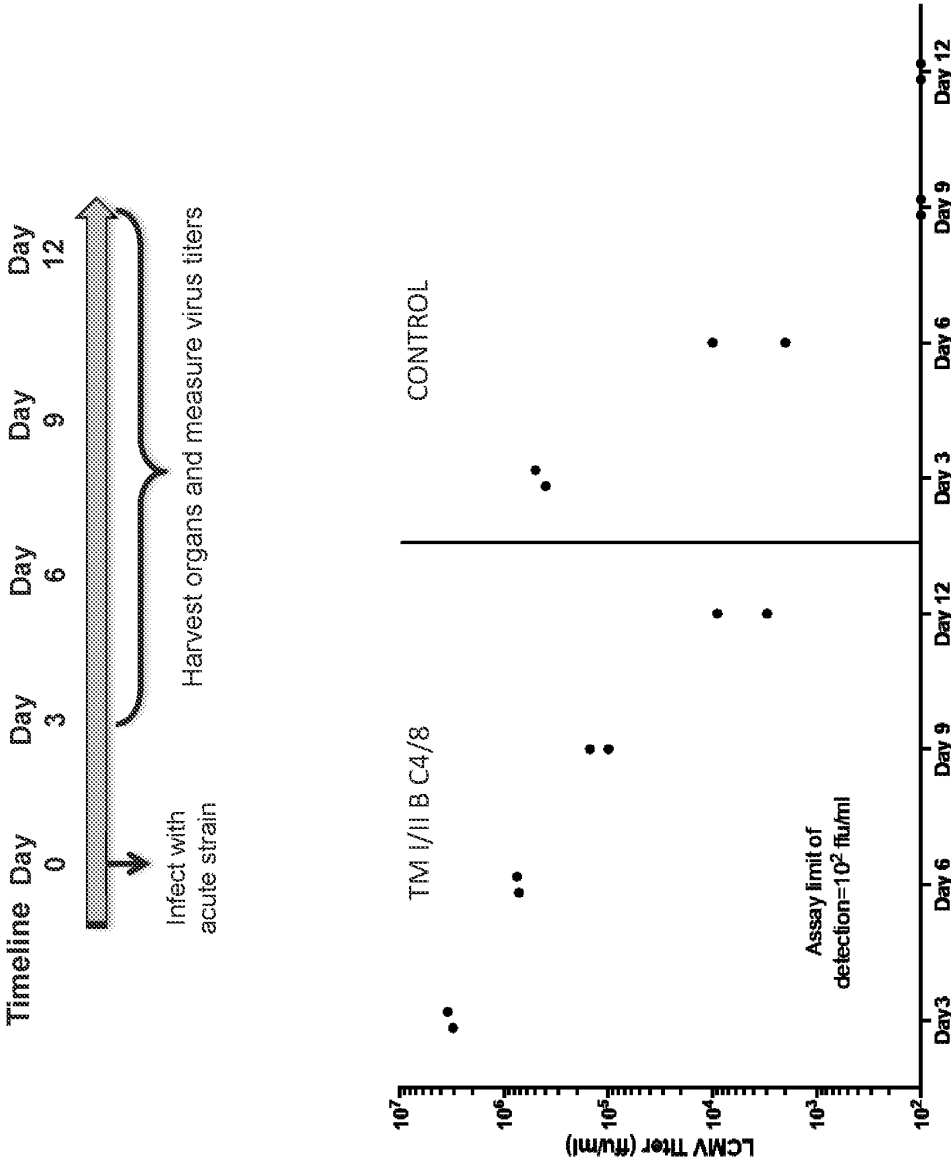


FIG. 13B

Clone 13 Infection

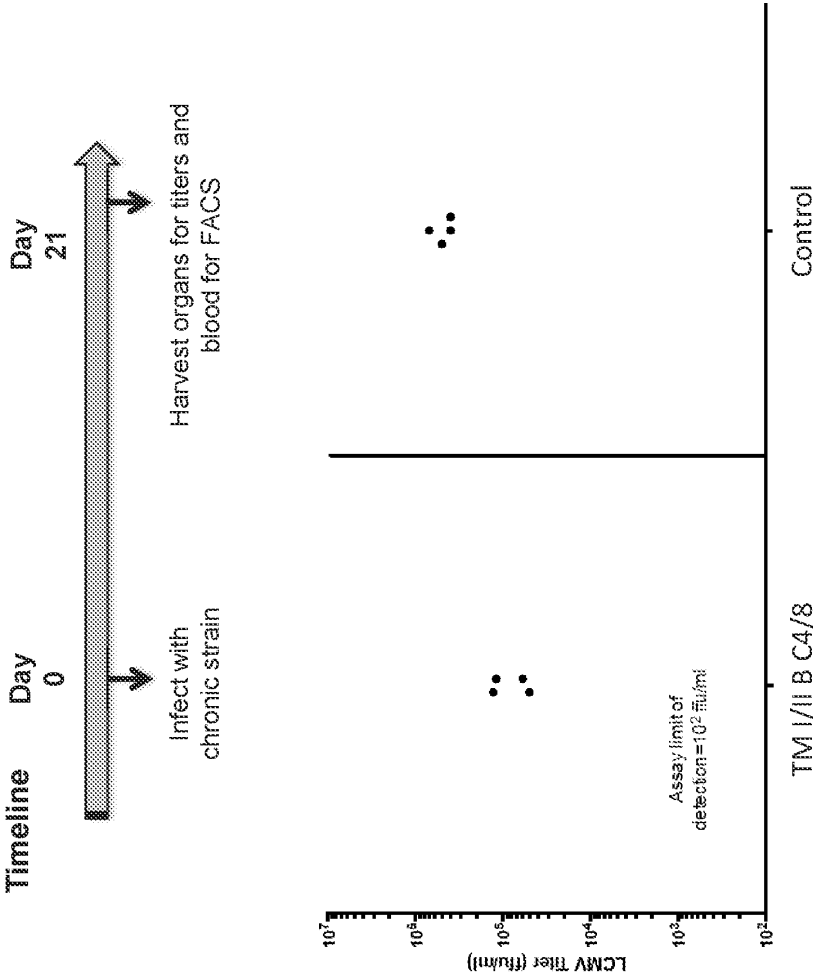


FIG. 13C

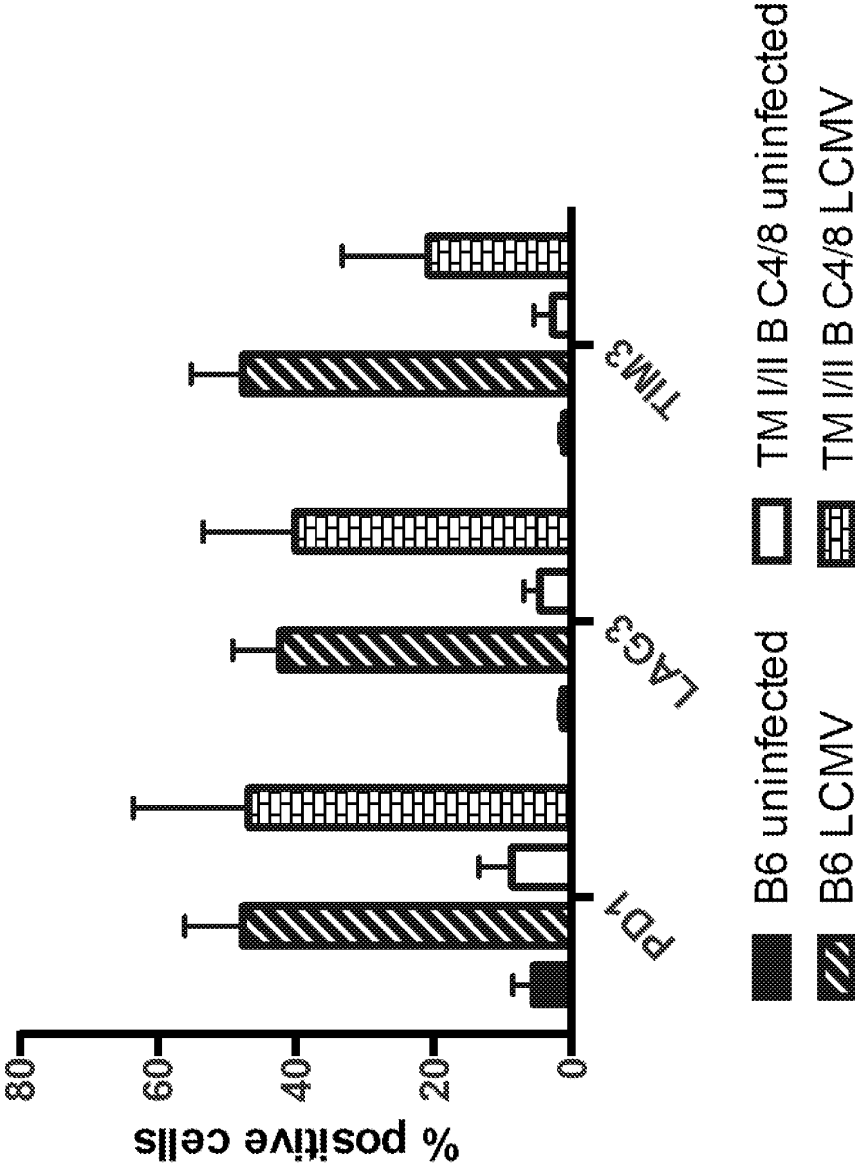


FIG. 14

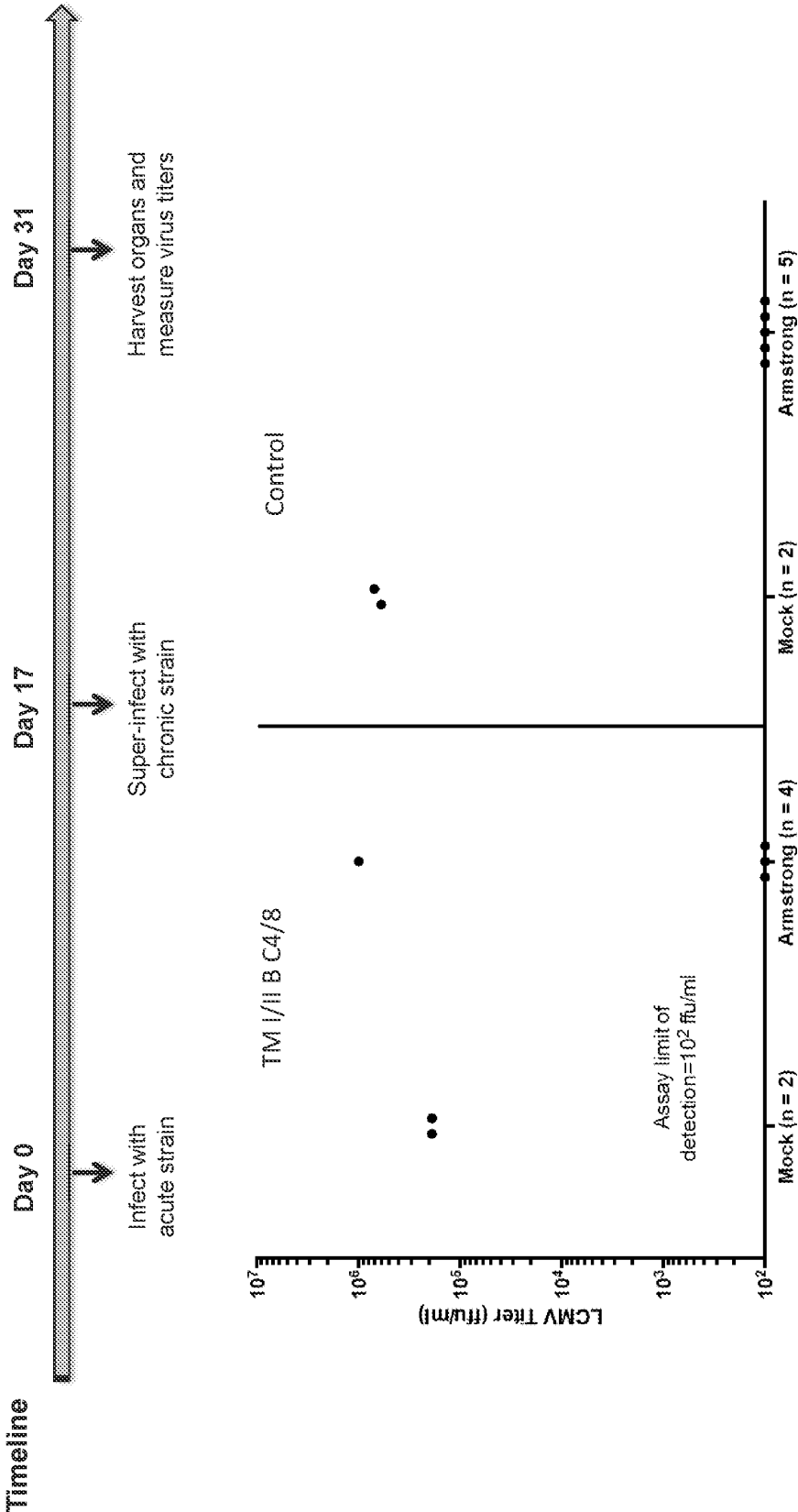


FIG. 15A

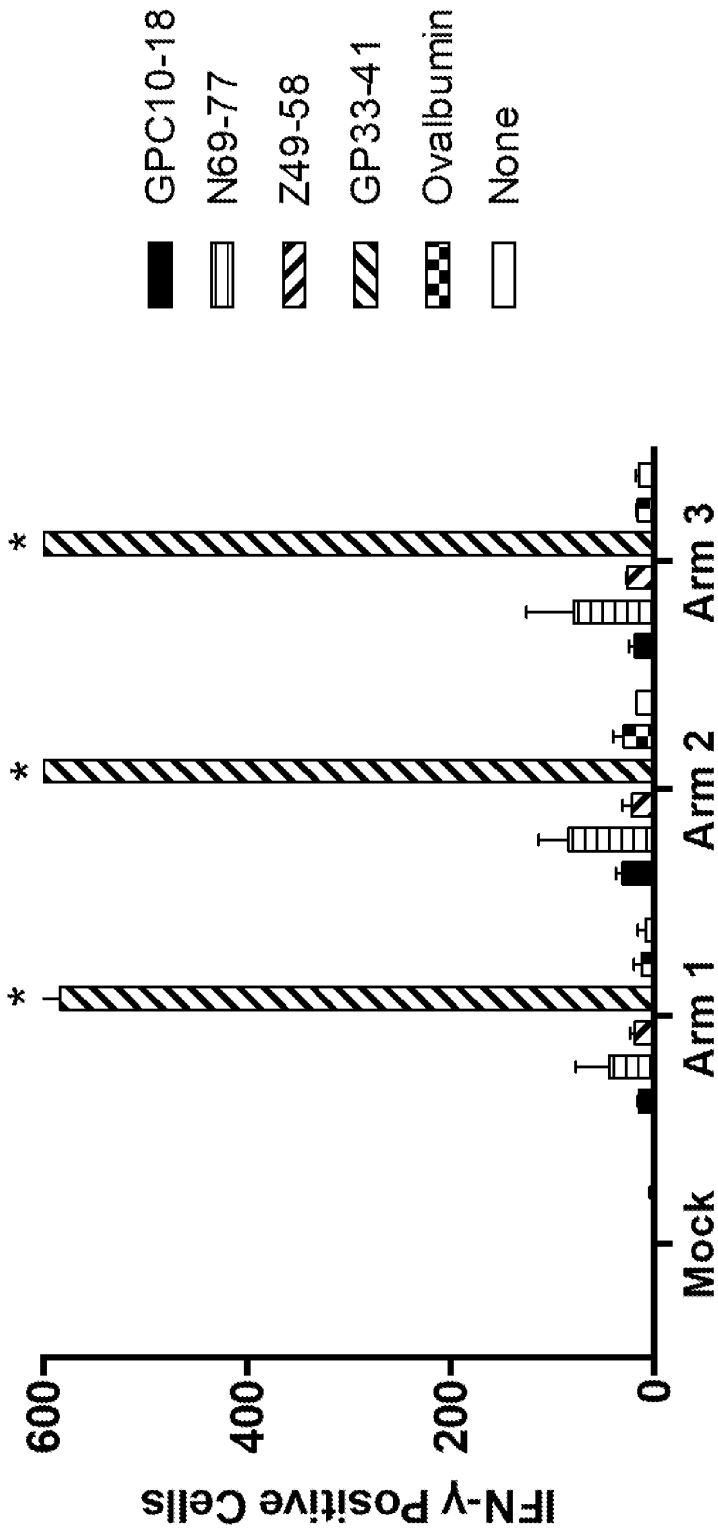


FIG. 15B

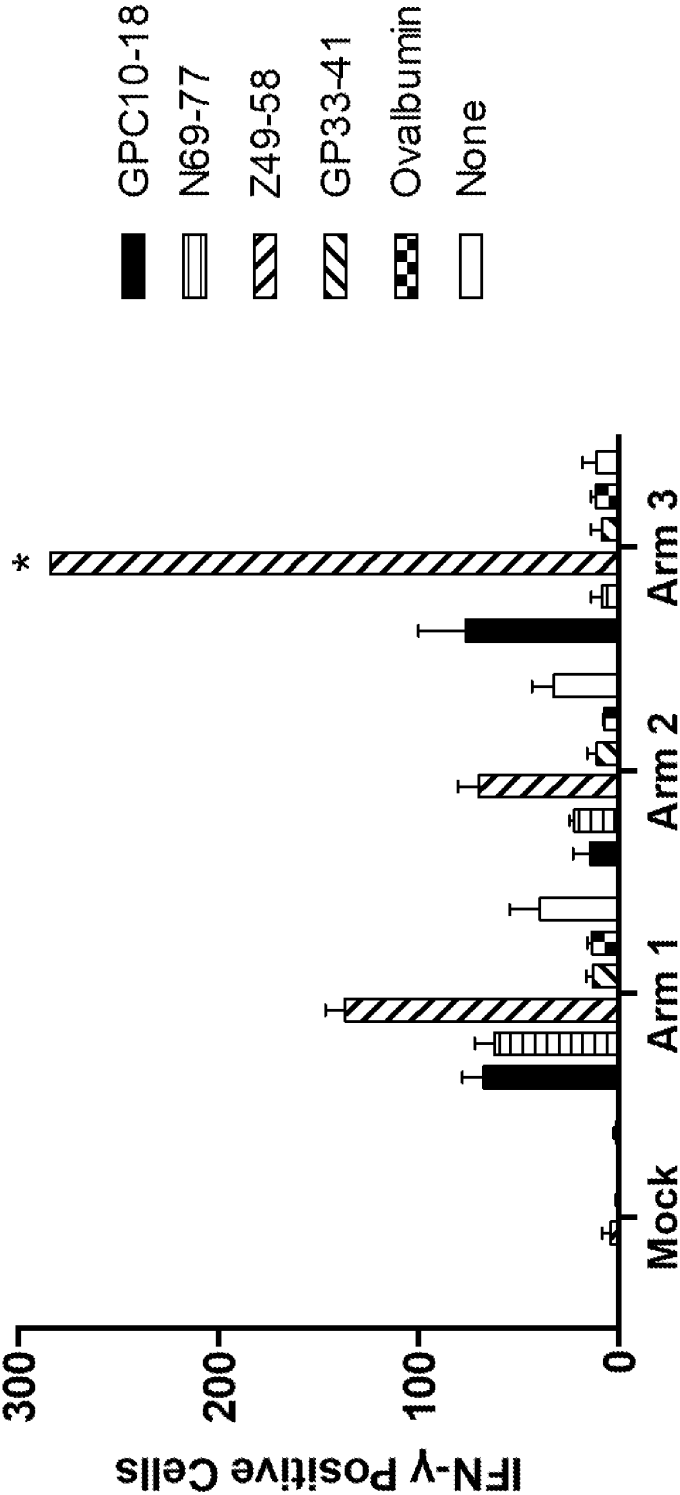


FIG. 15C

TM I/II B C4/8 mice
% IFN gamma of CD8

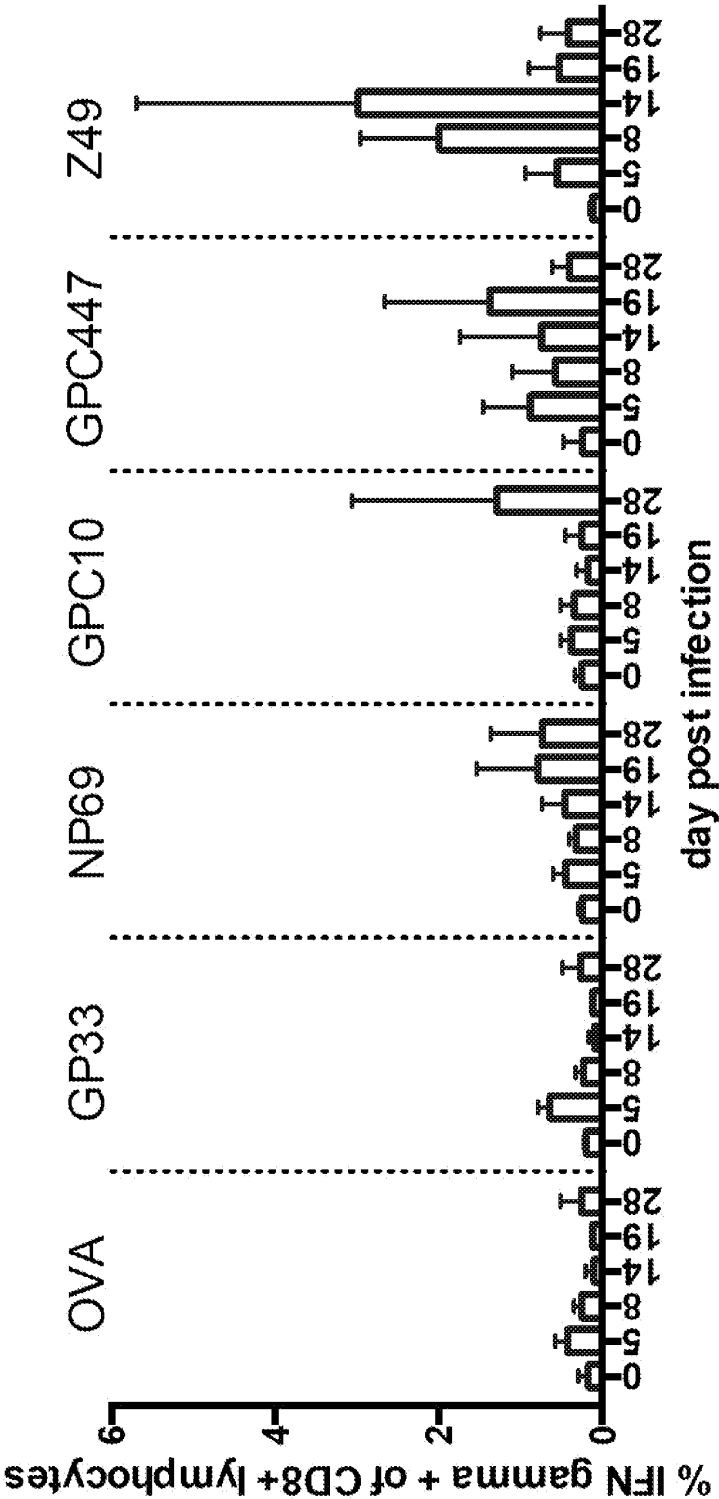
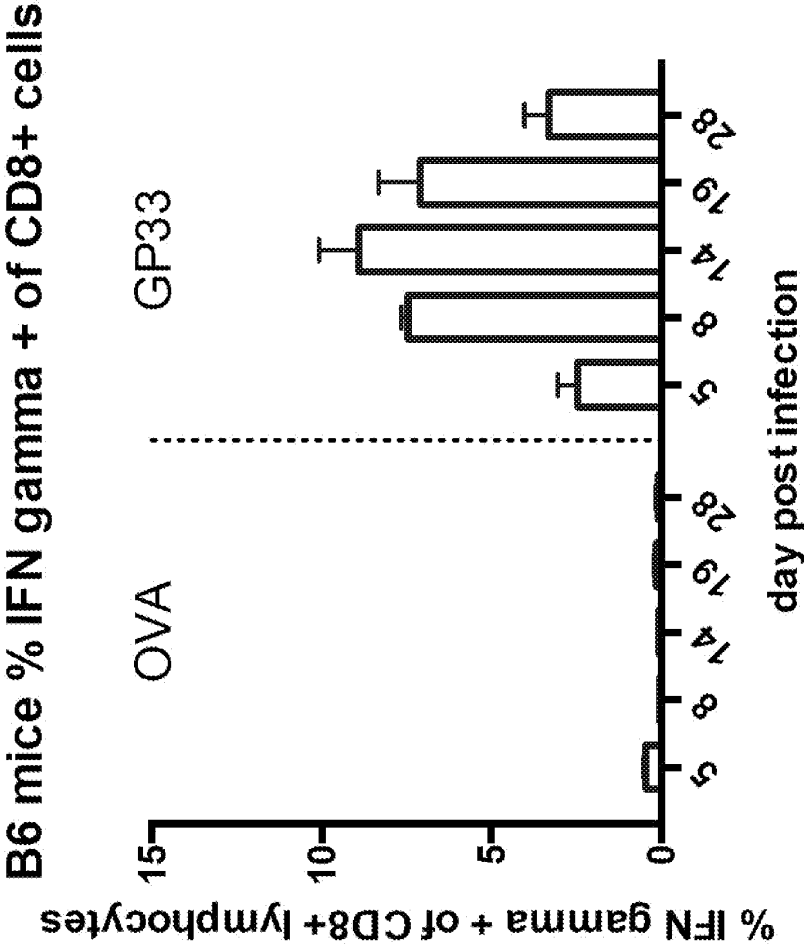


FIG. 15D



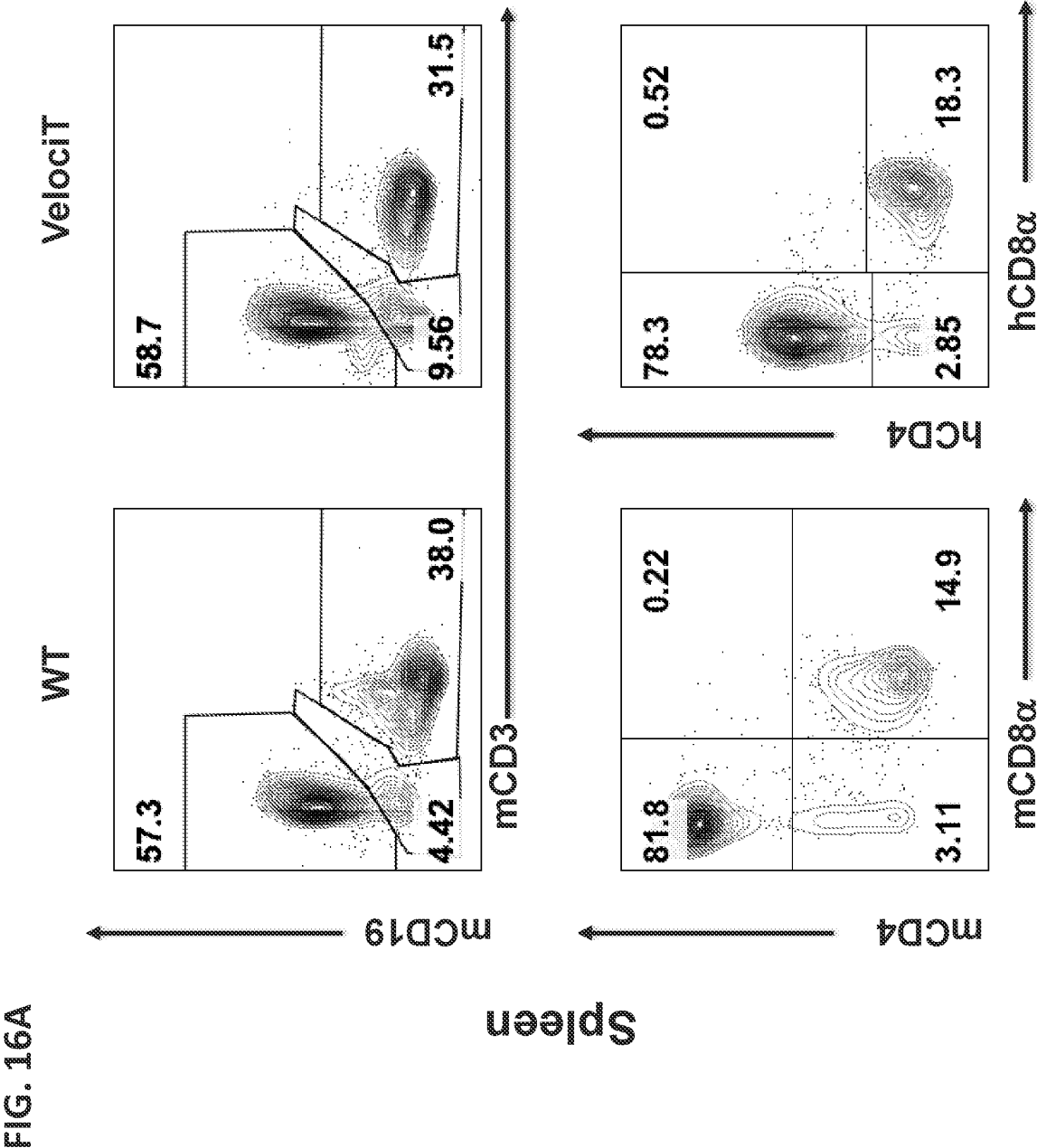
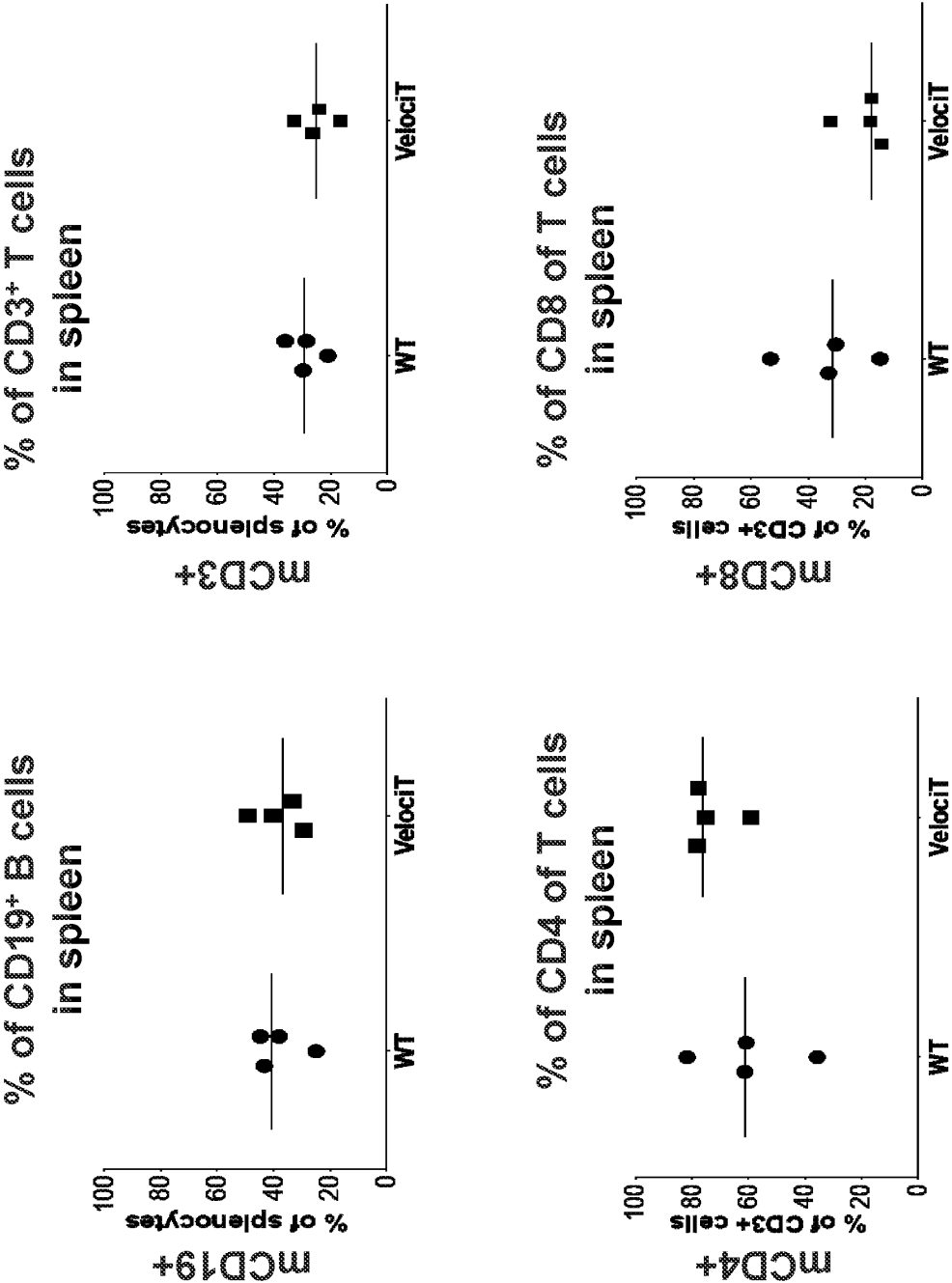


FIG. 16B



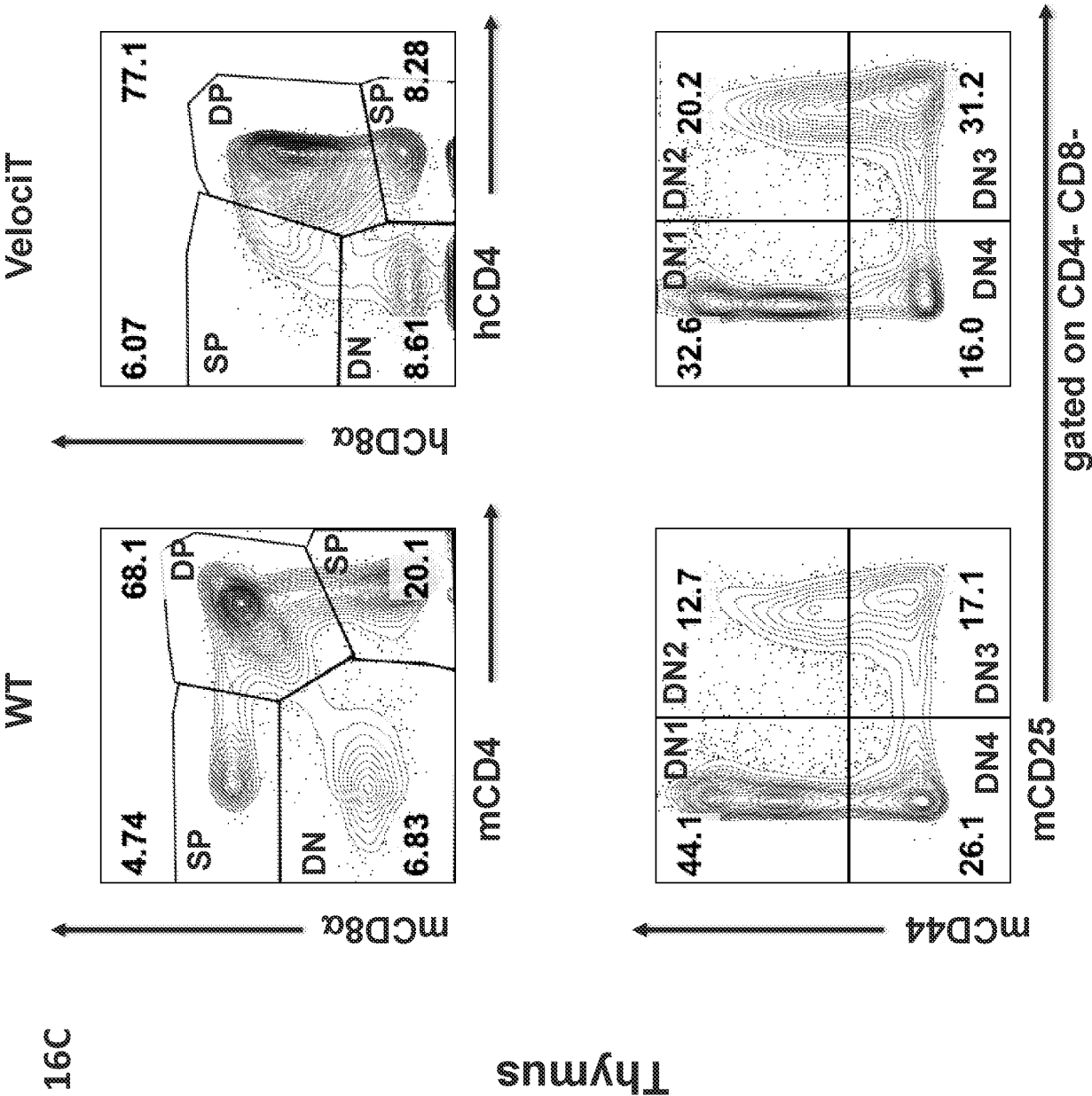


FIG. 16D

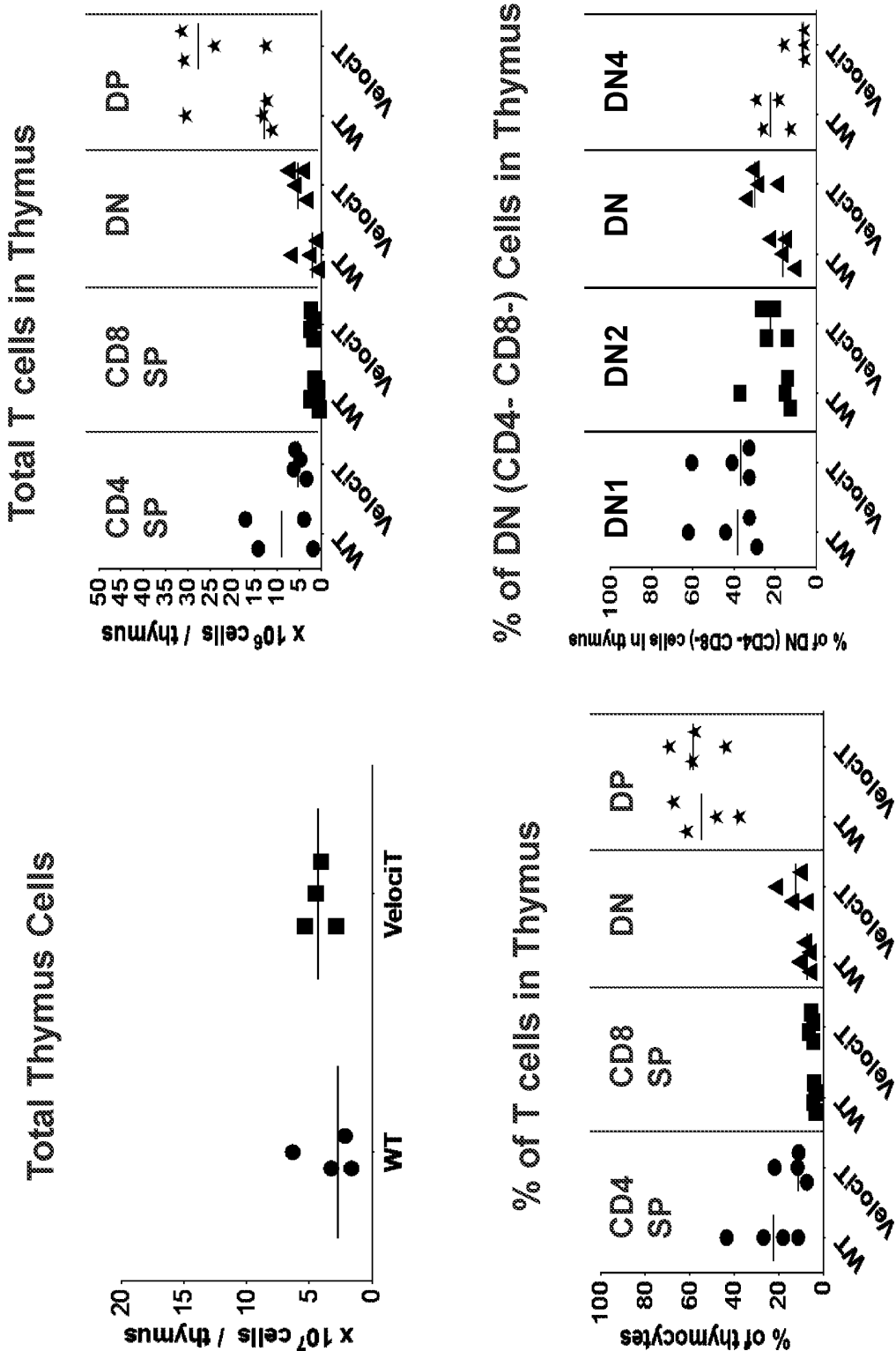


FIG. 17A

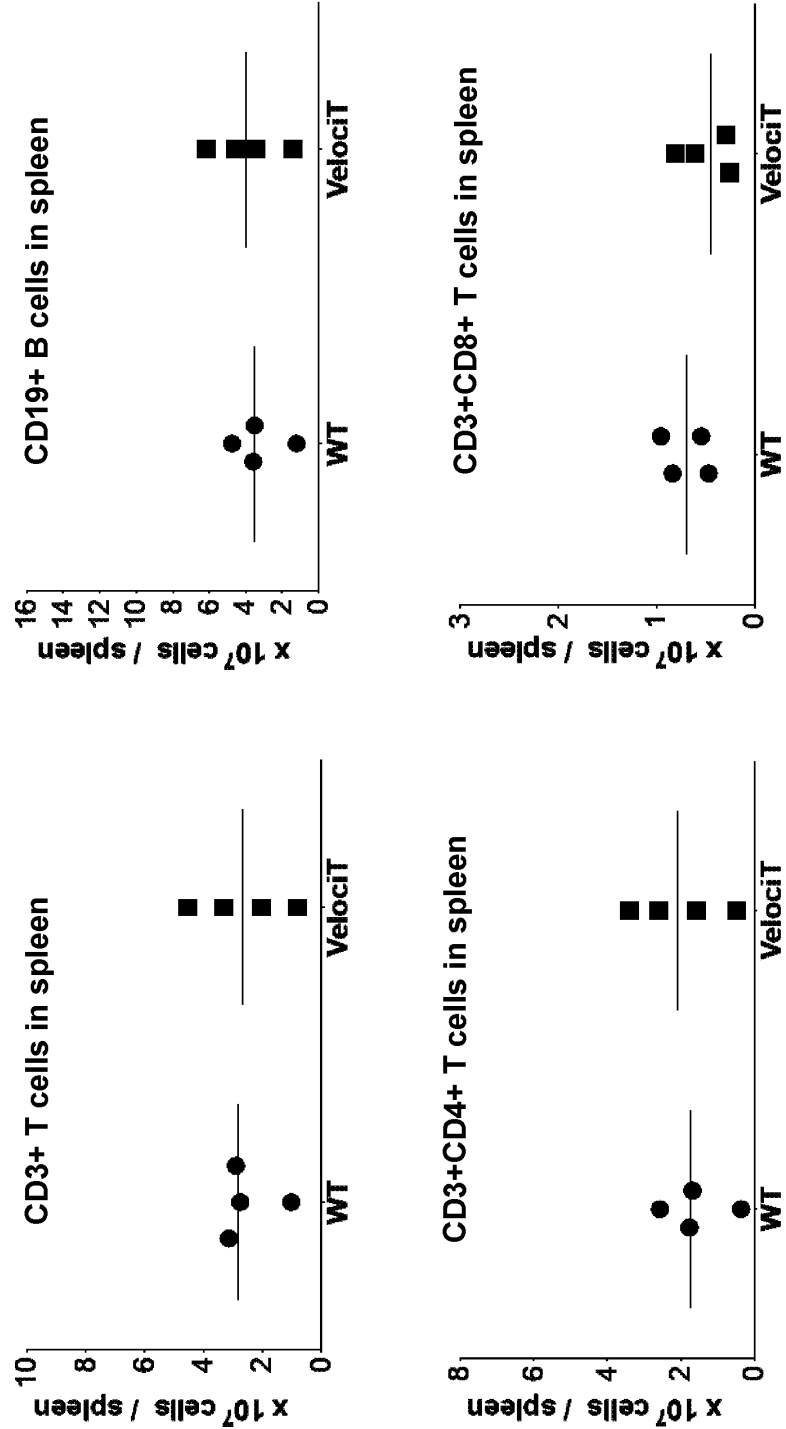


FIG. 17B

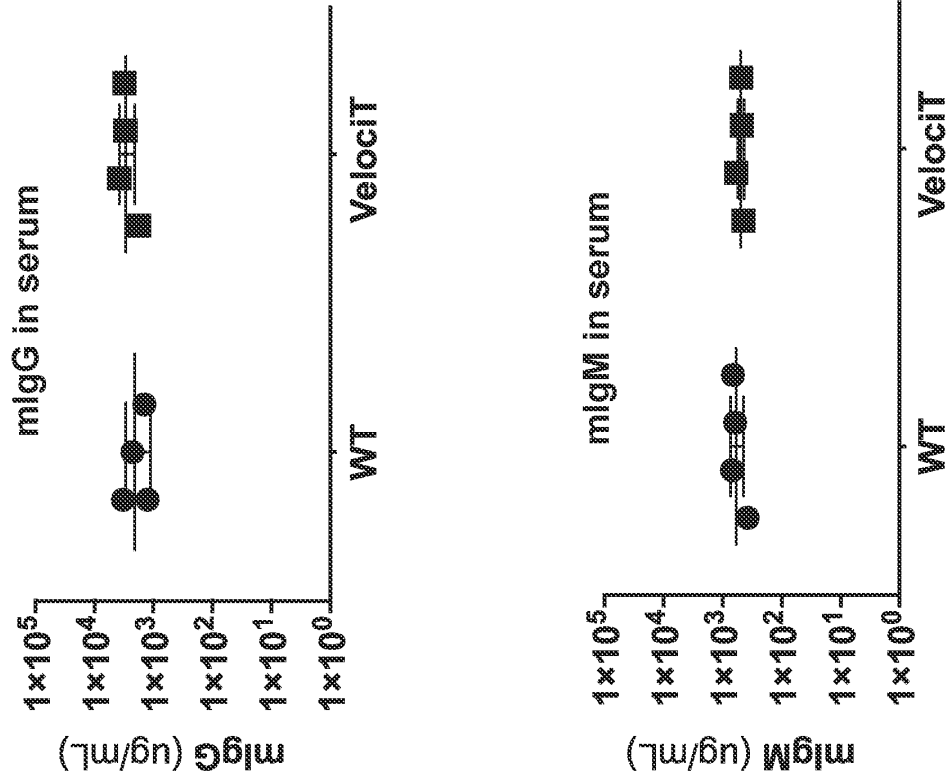


FIG. 17C

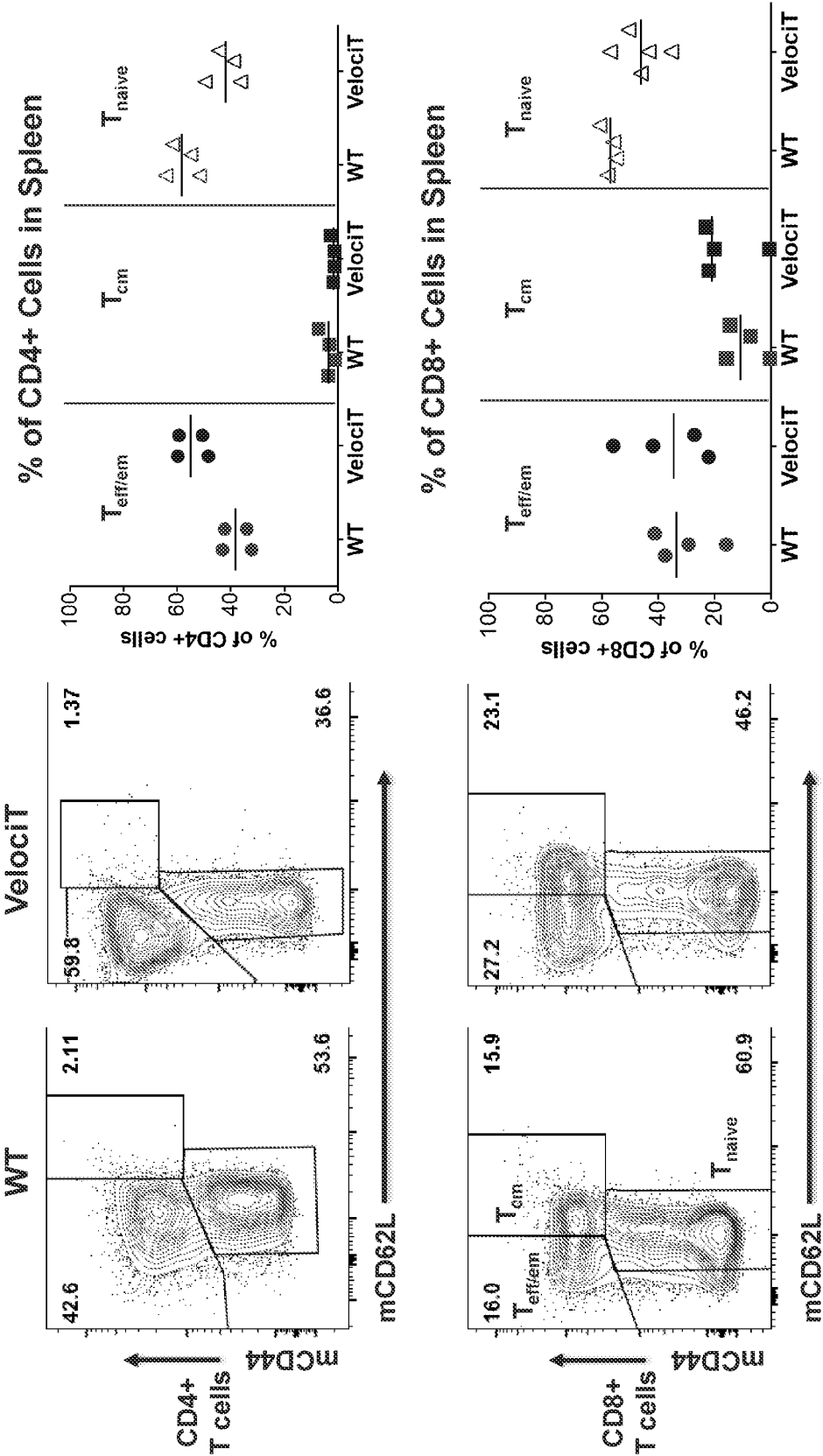


FIG. 18A

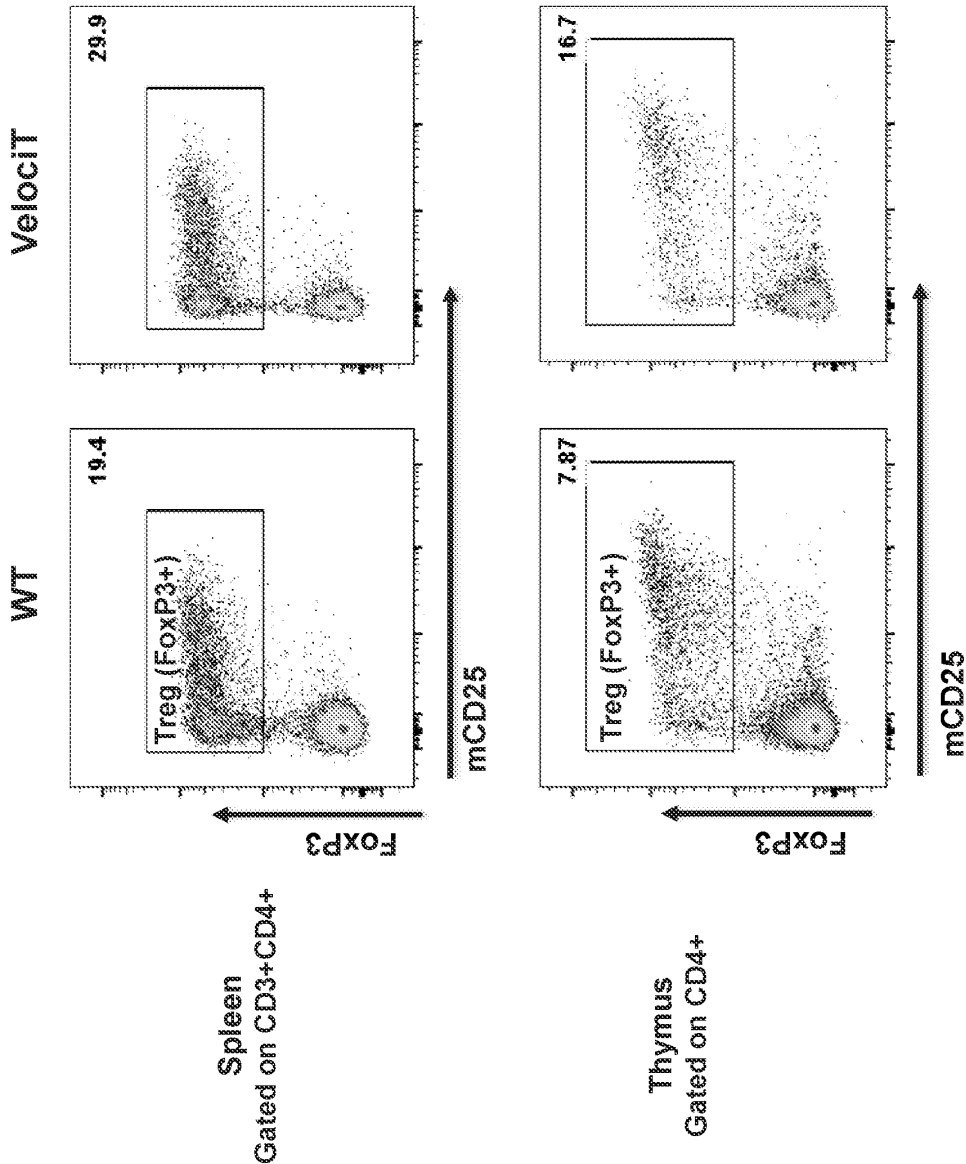


FIG. 18B

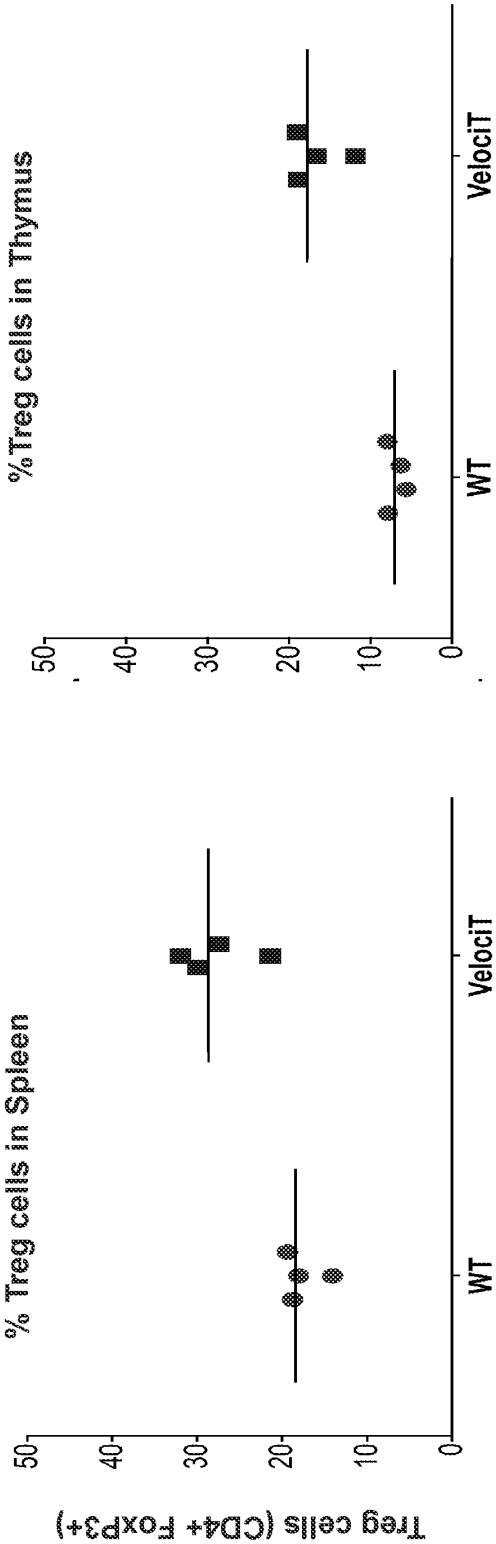


FIG. 19A

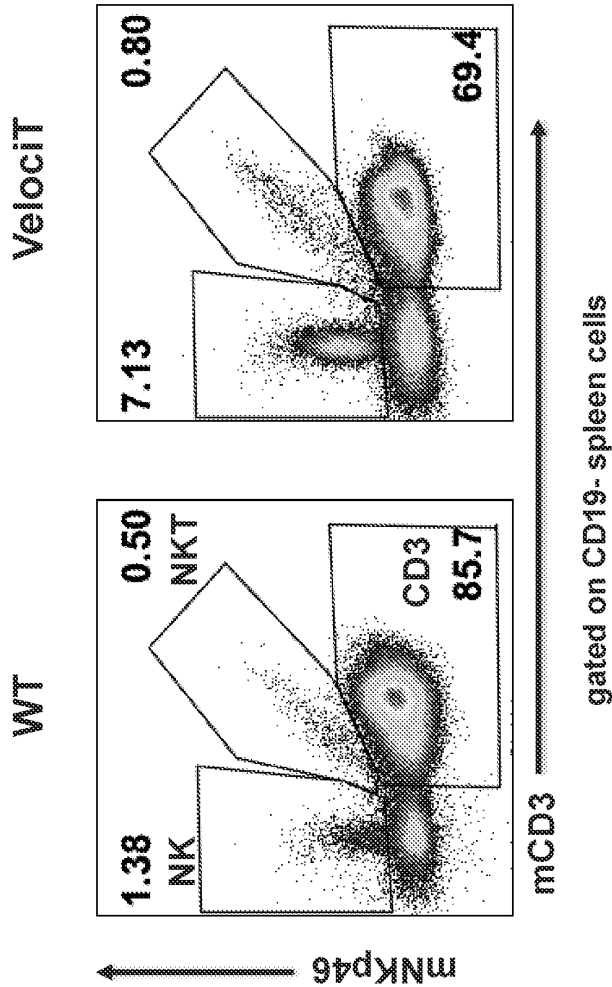
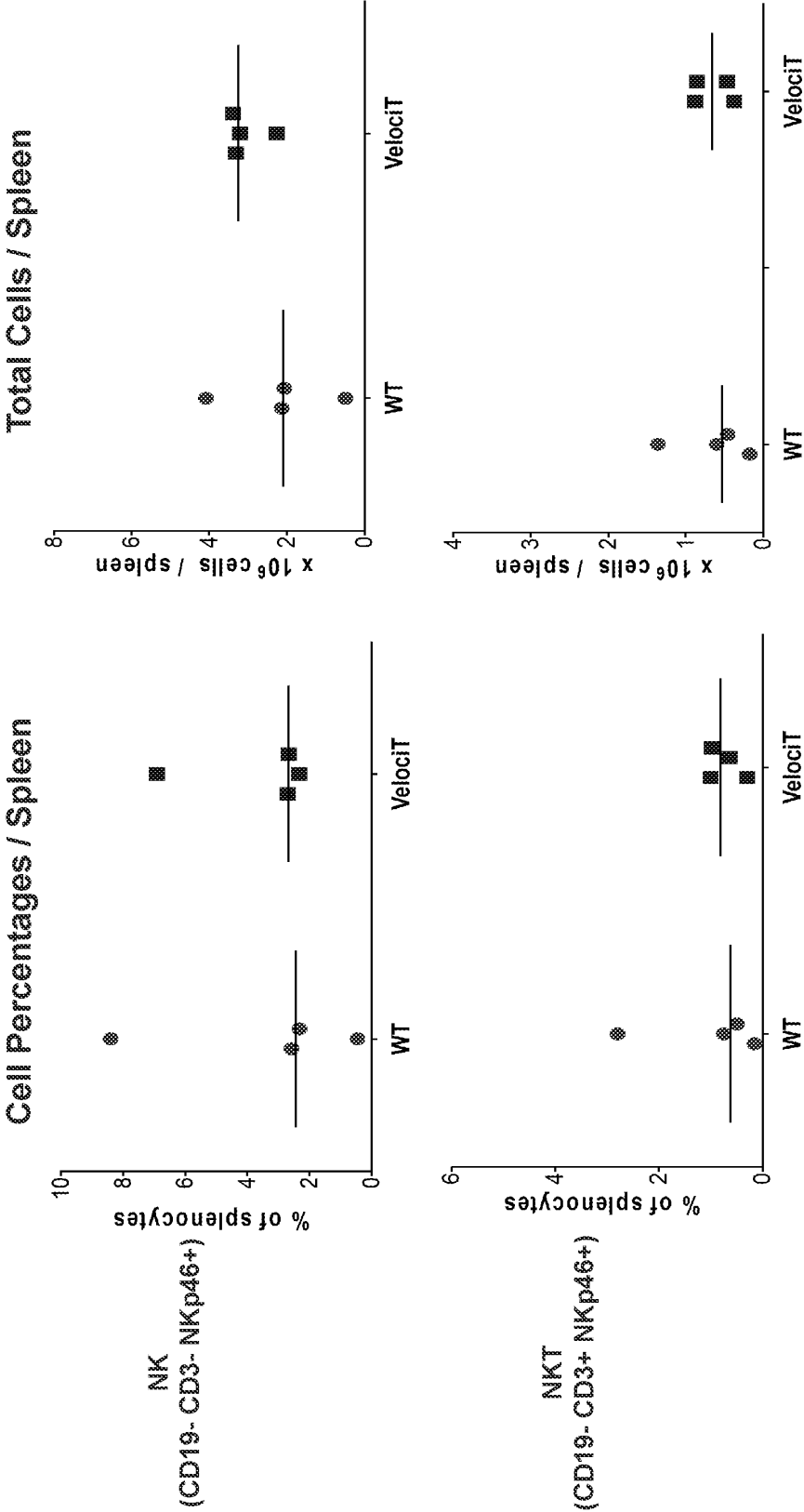
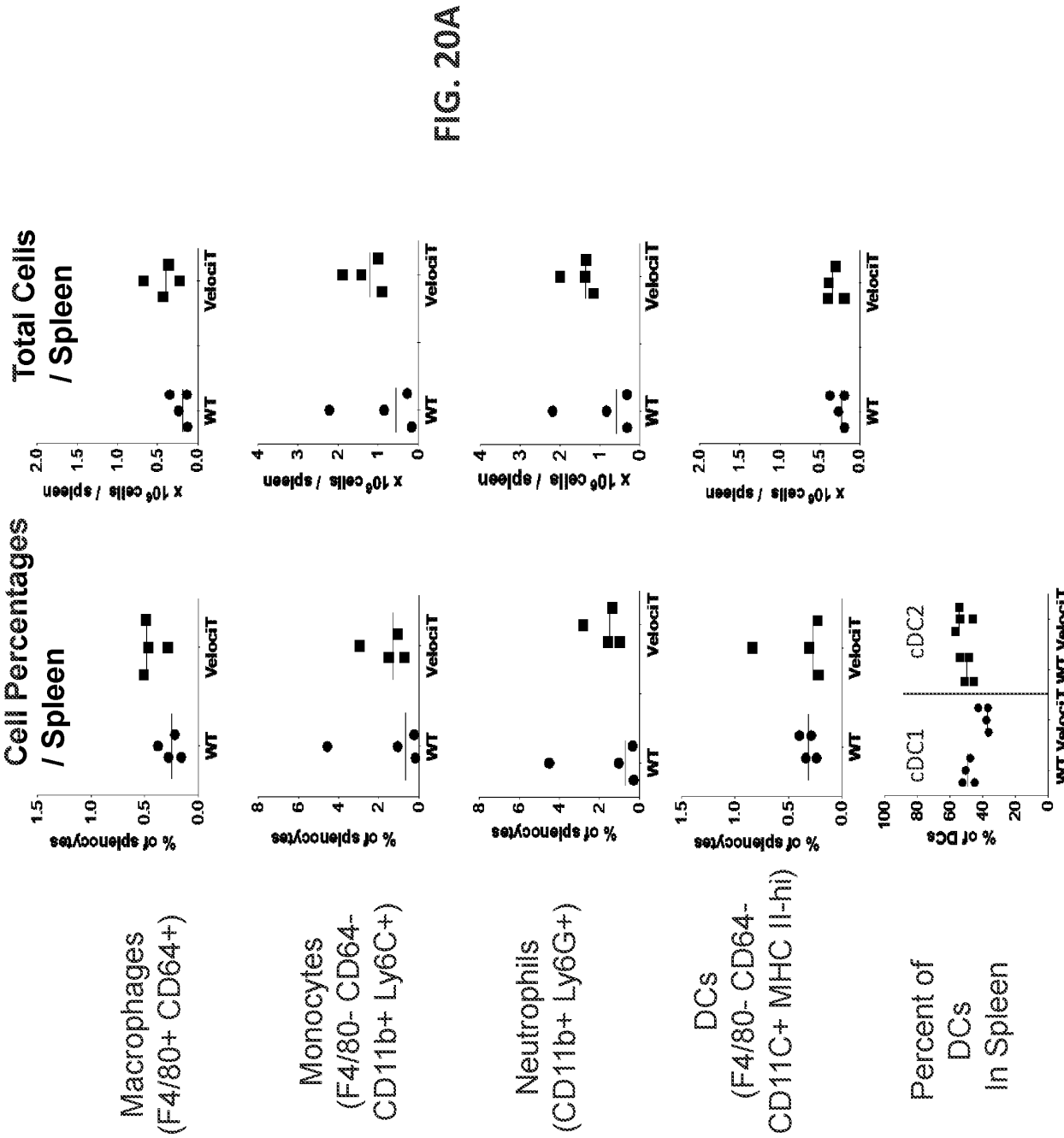


FIG. 19B





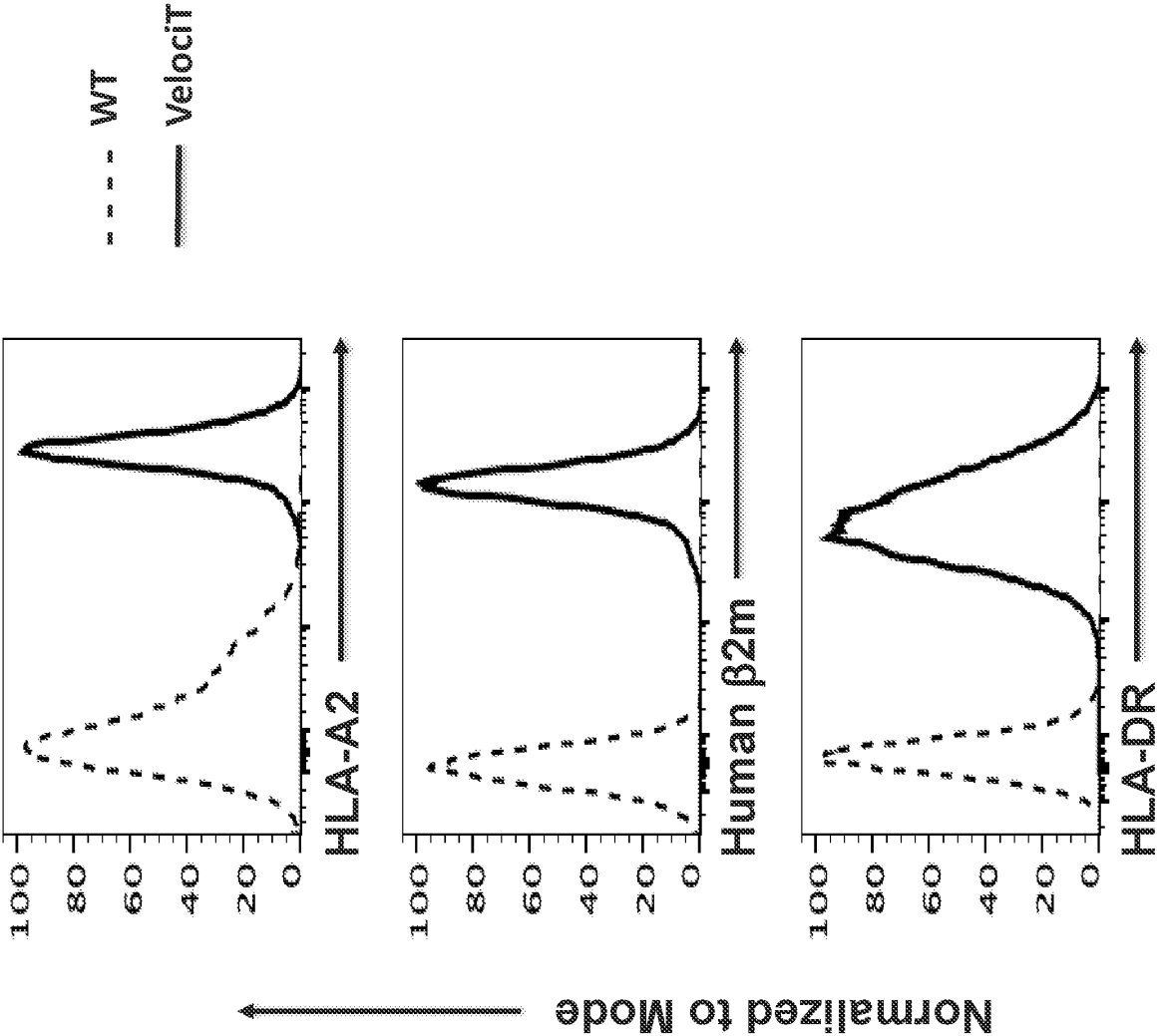


FIG. 20B

FIG. 20C

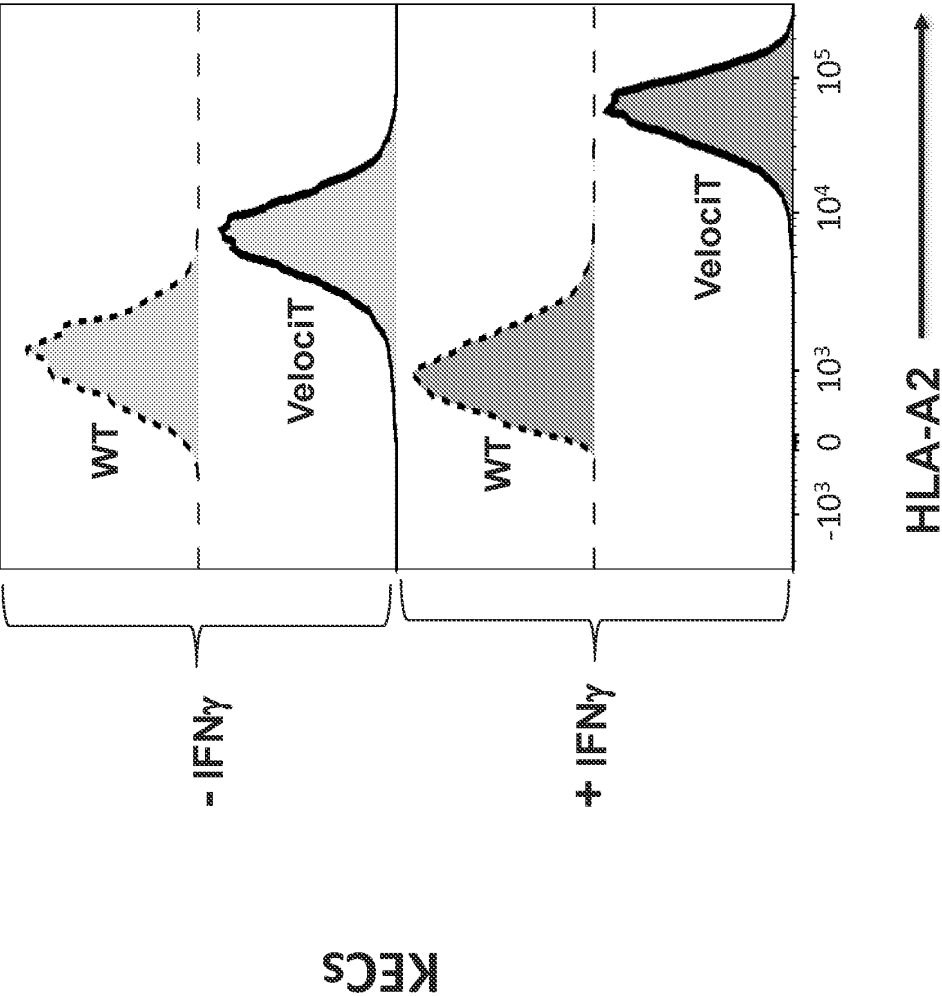


FIG. 20Di

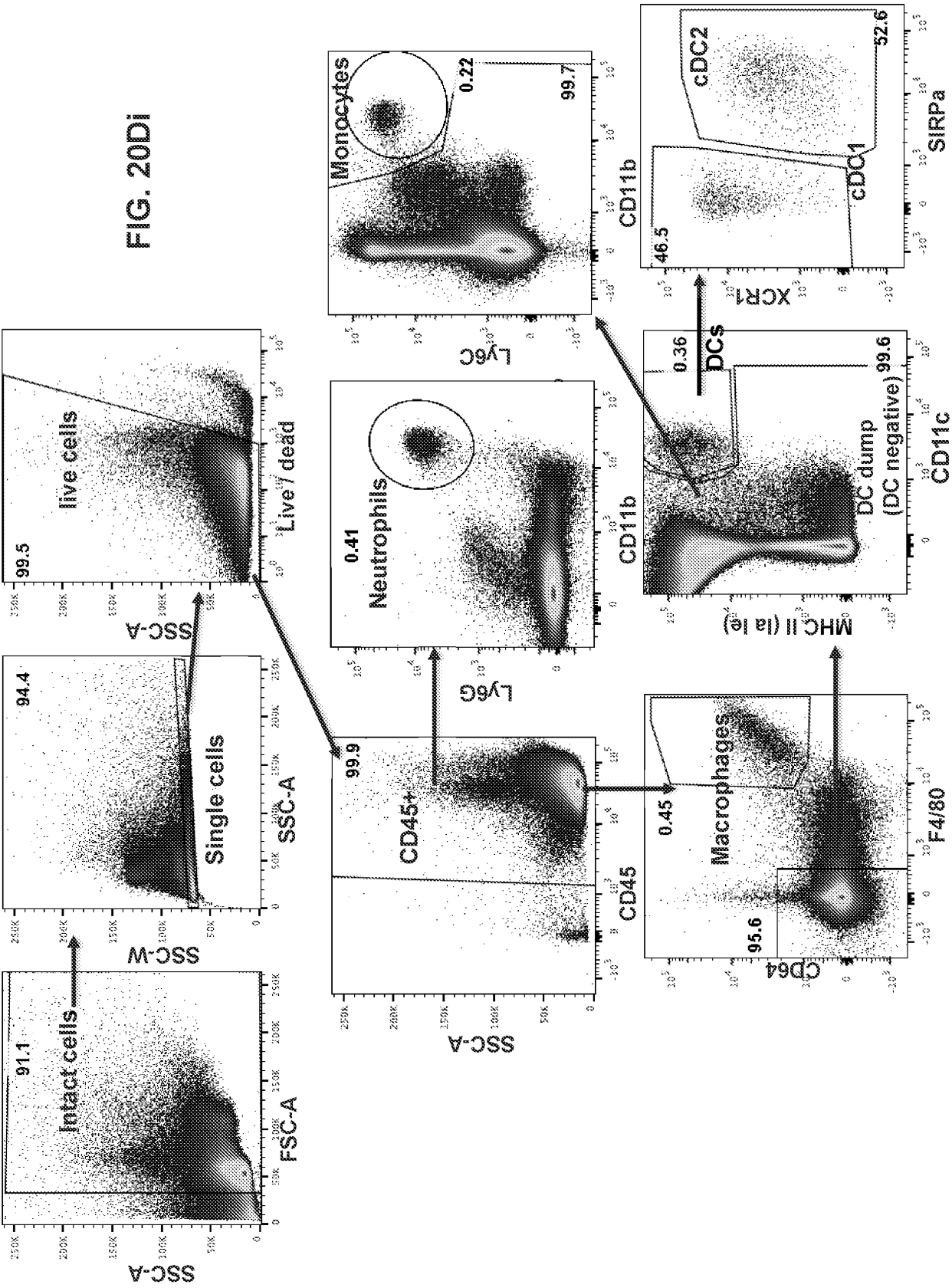


FIG. 21A

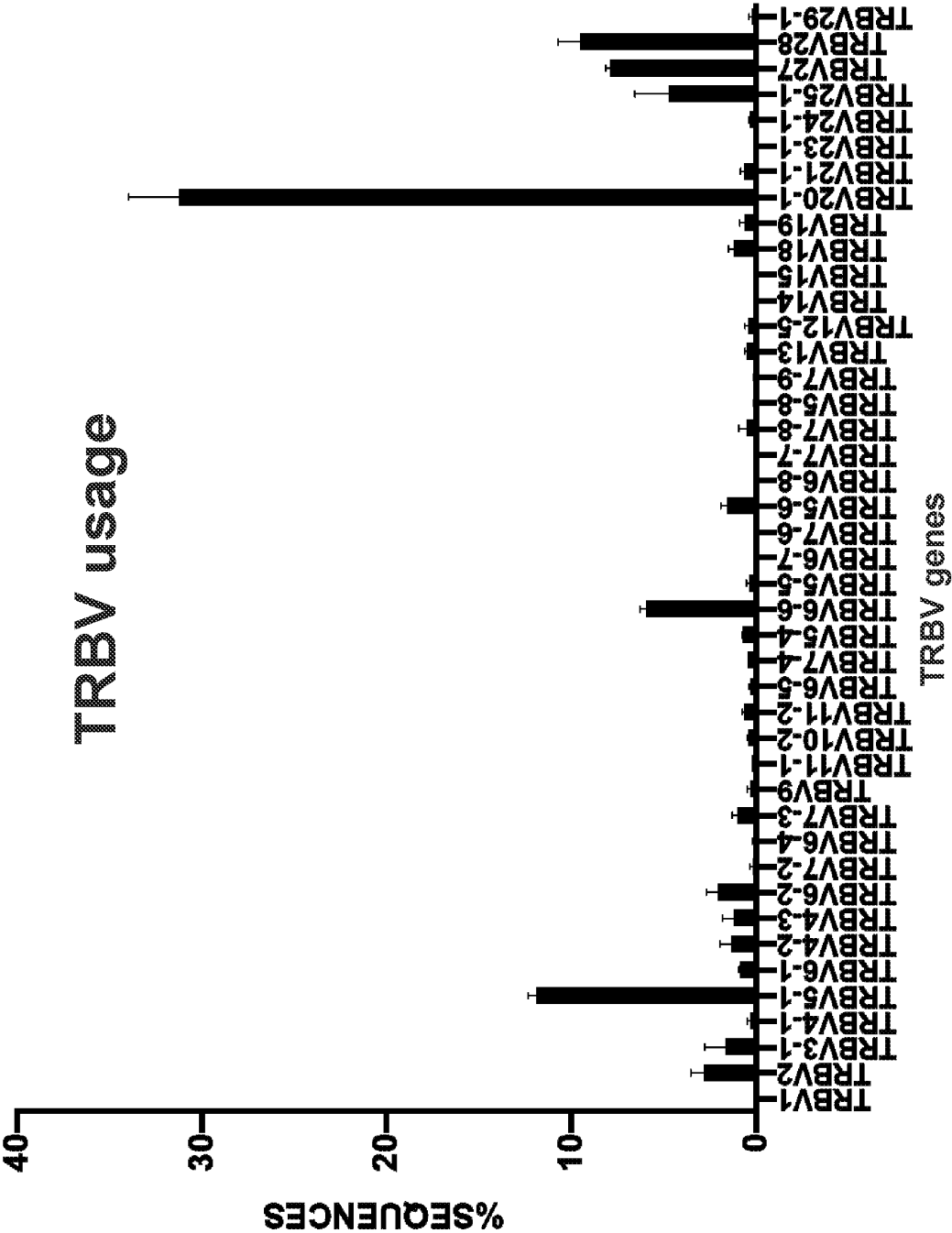


FIG. 21B

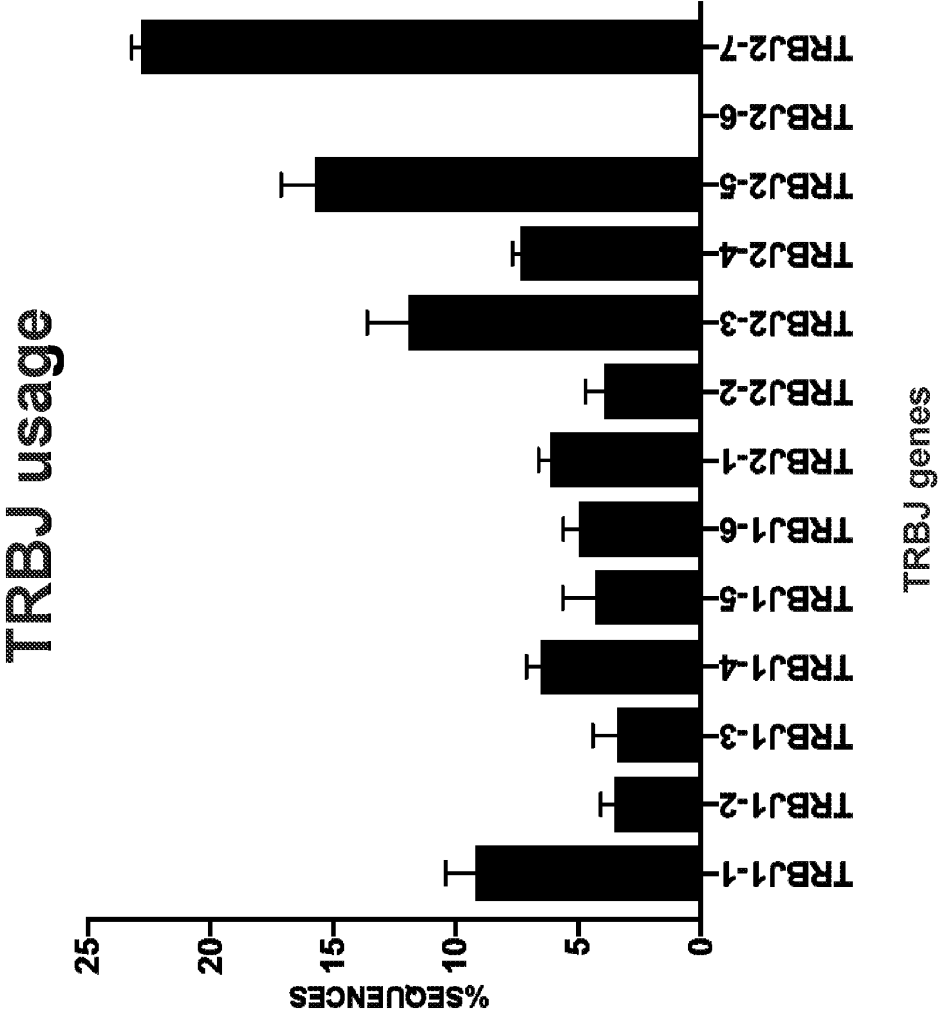


FIG. 21C

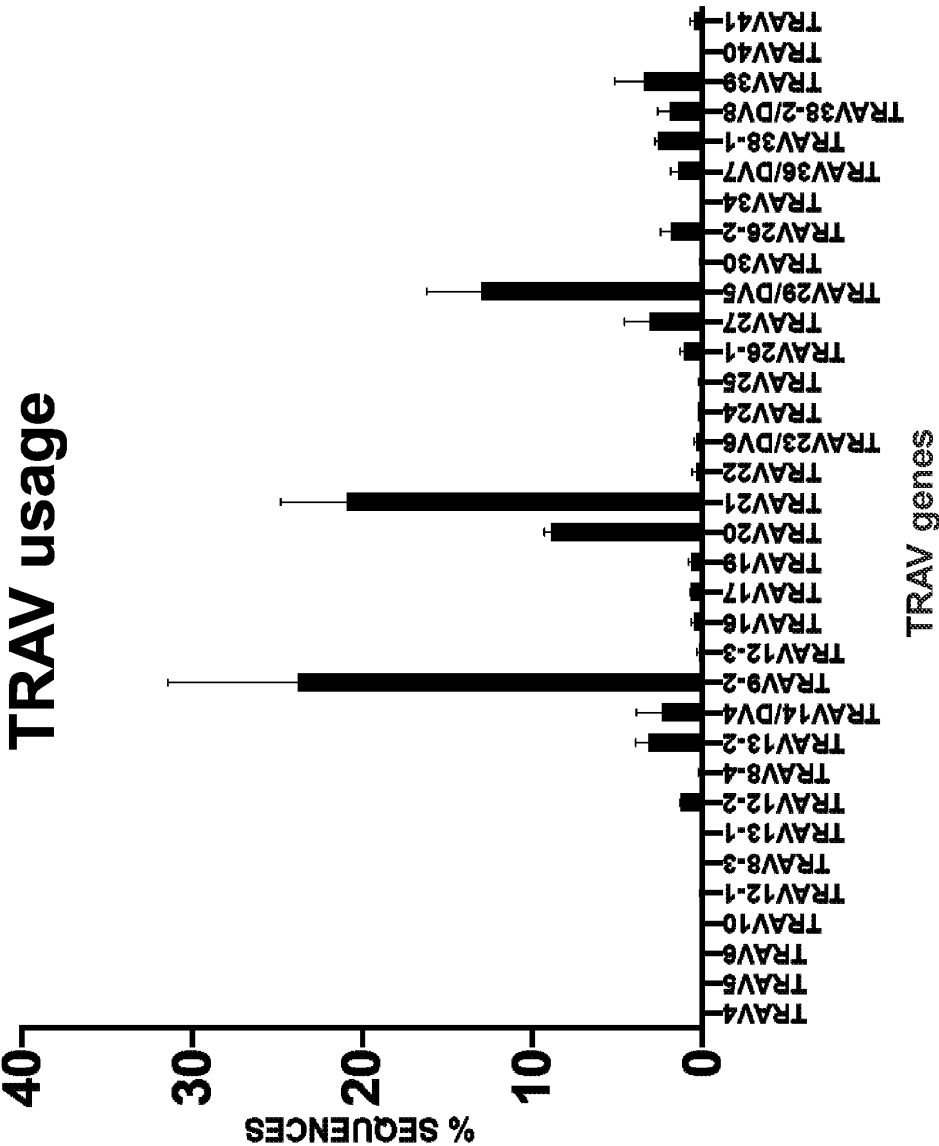
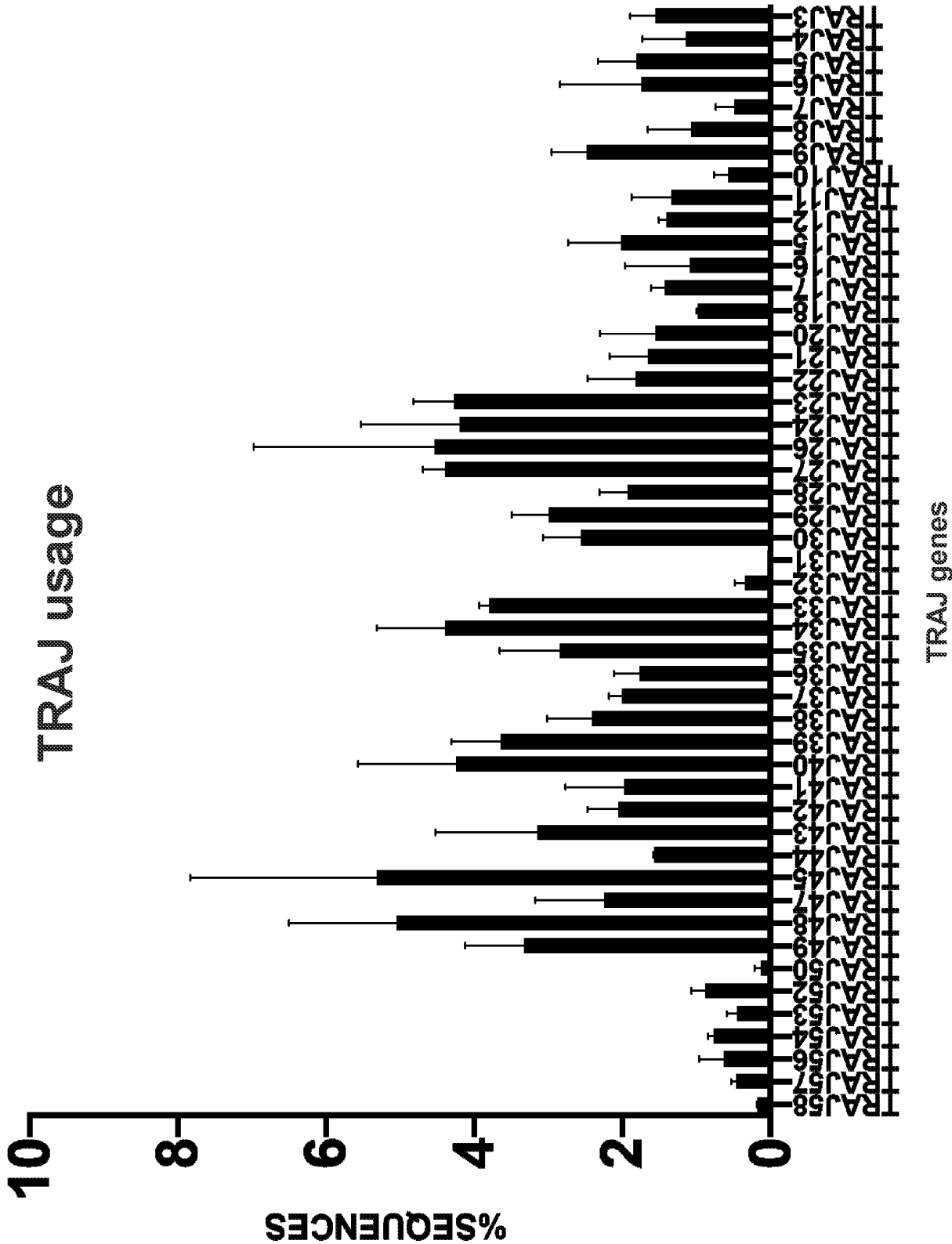


FIG. 21D



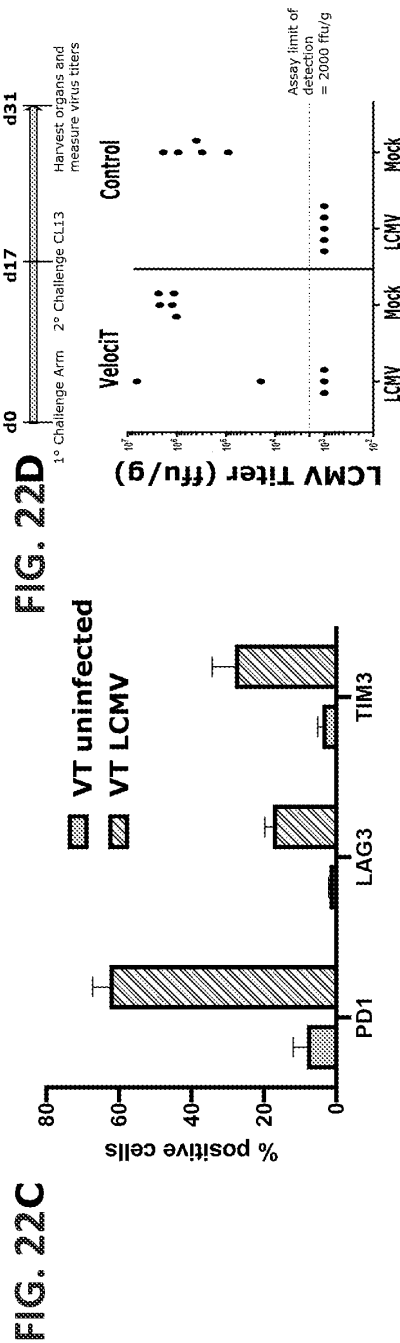
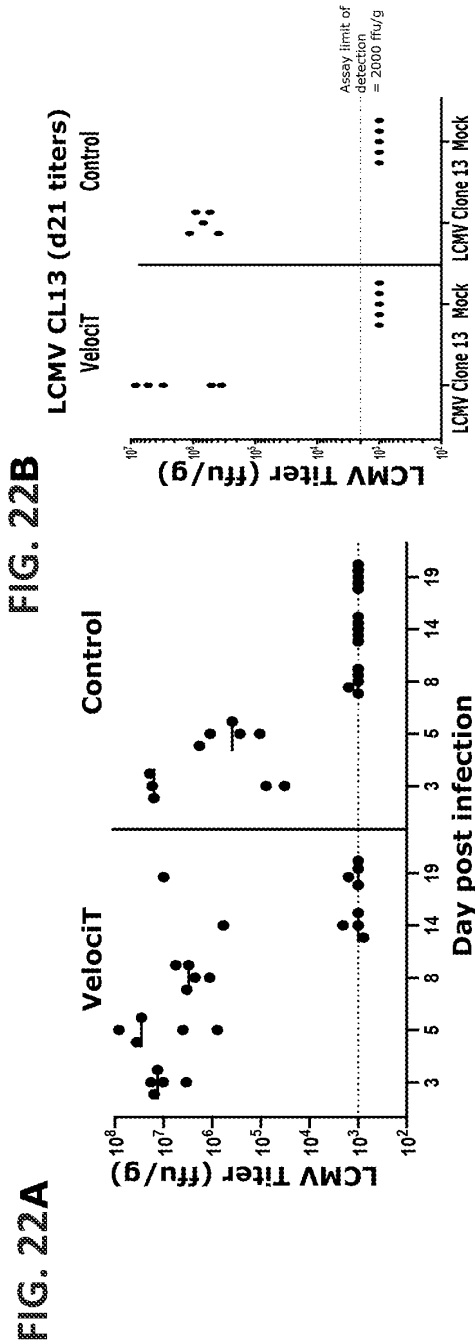


FIG. 23A

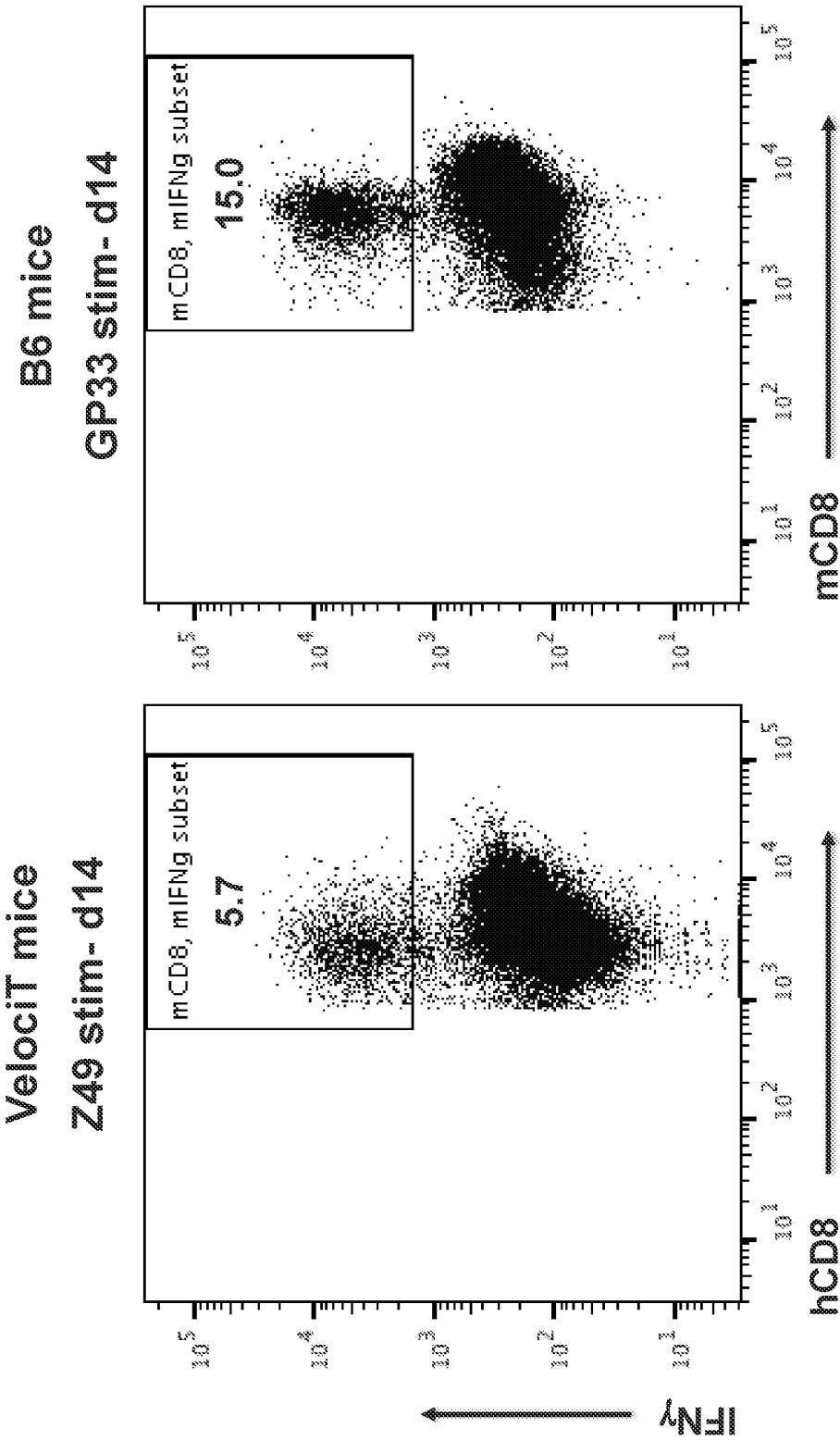


FIG. 23B

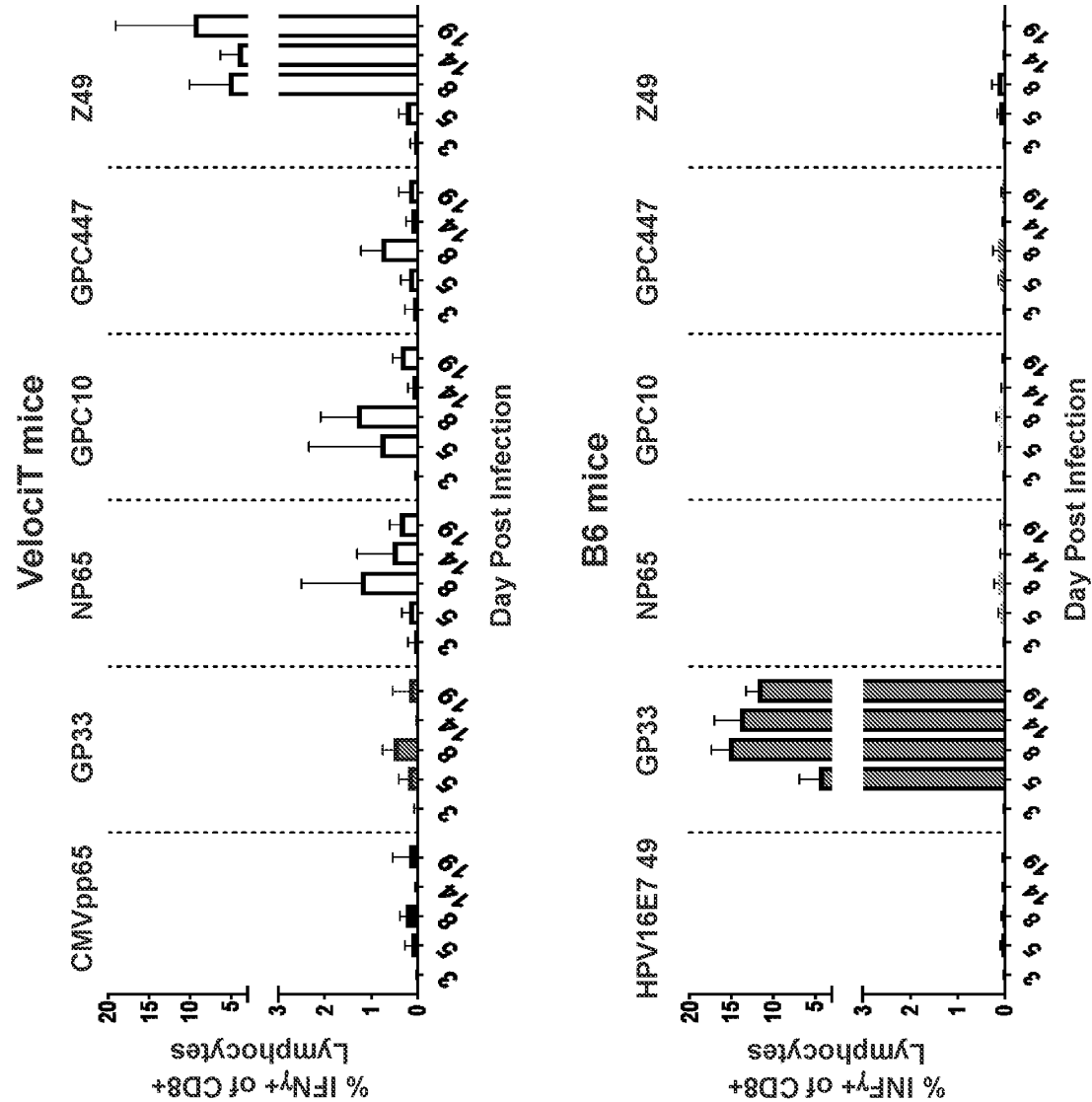


FIG. 24A

