

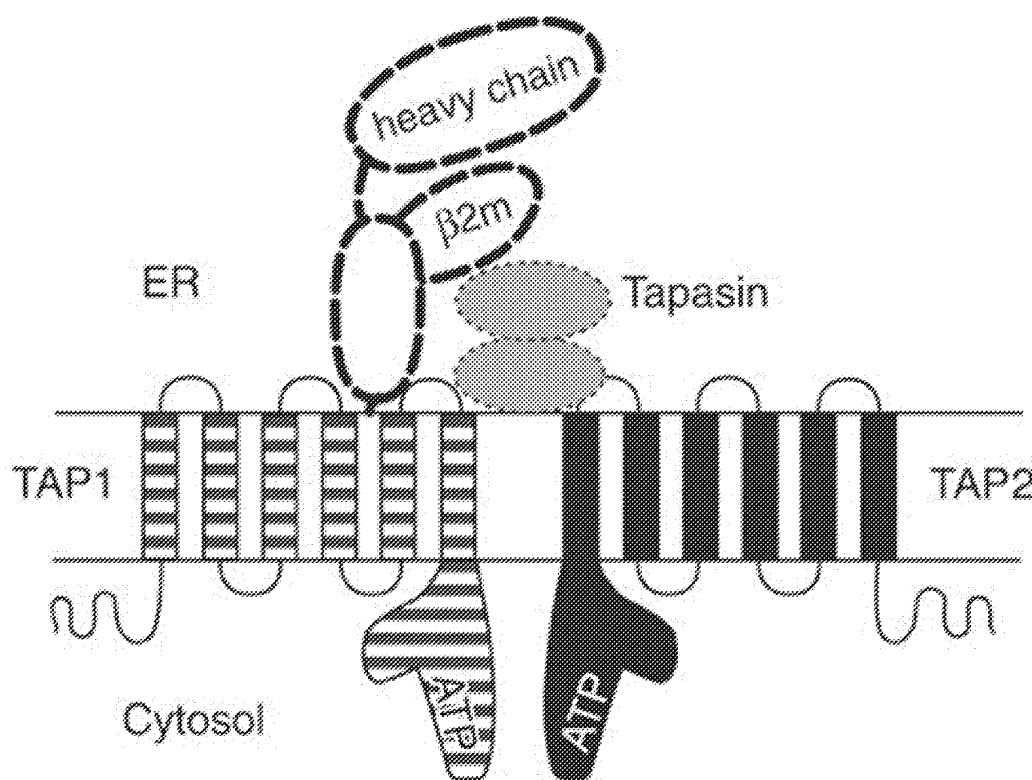


FIG. 1

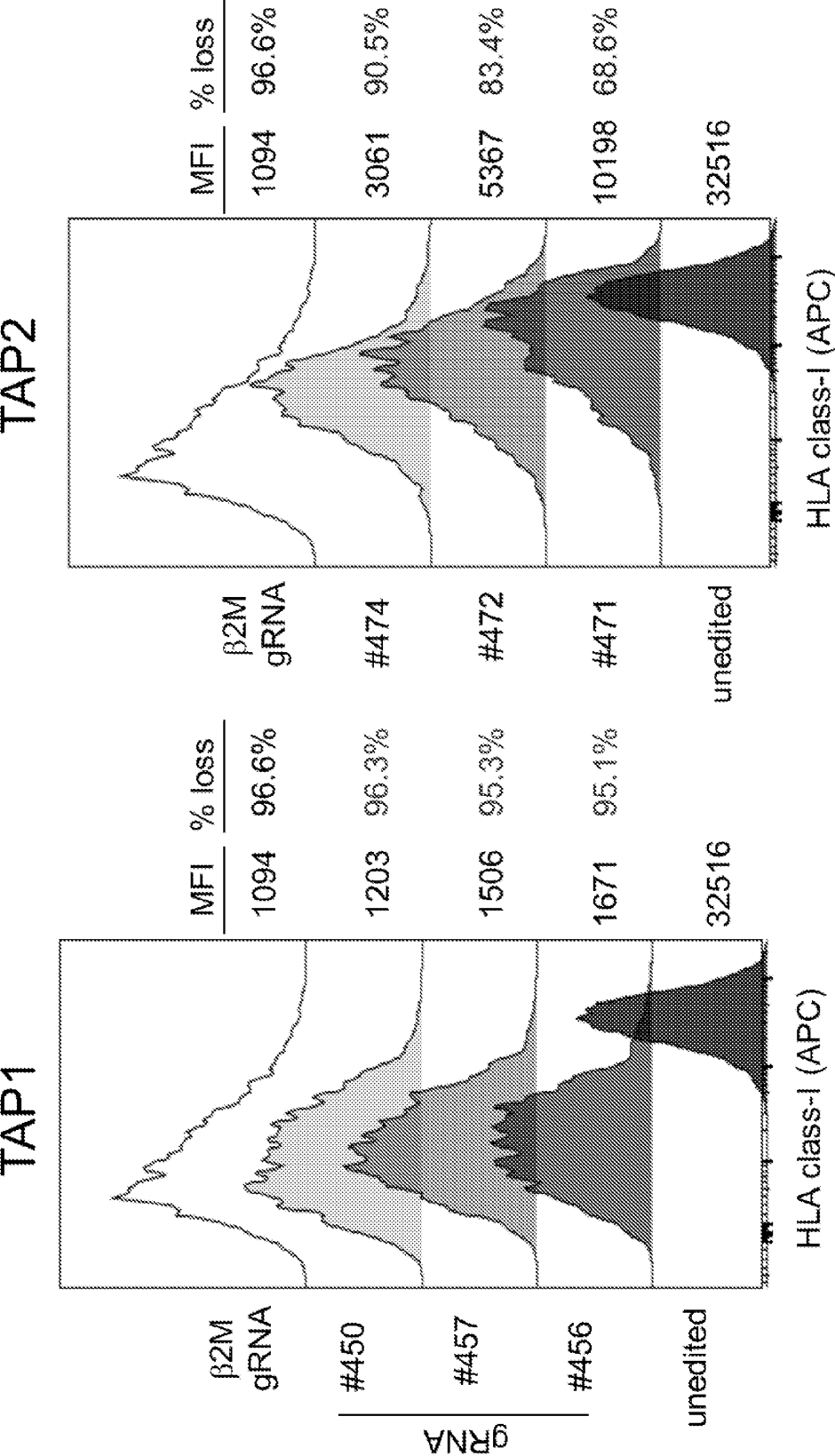


FIG. 2A

FIG. 2B

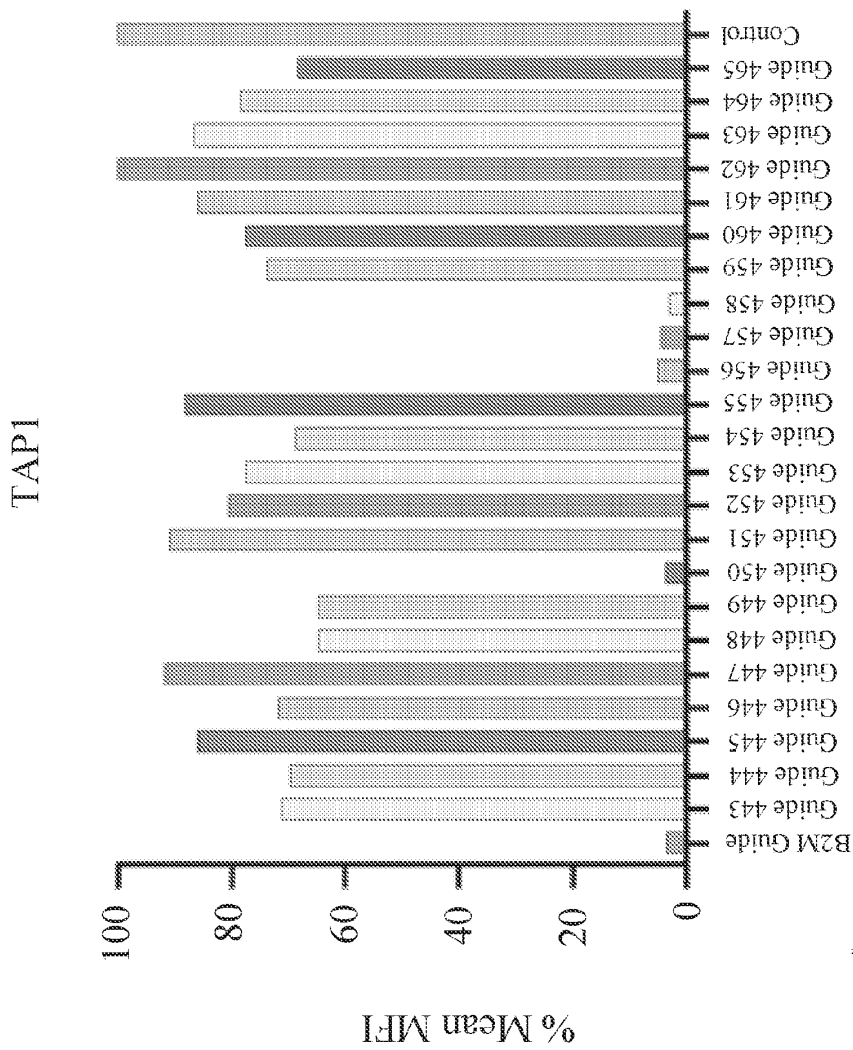


FIG. 3A

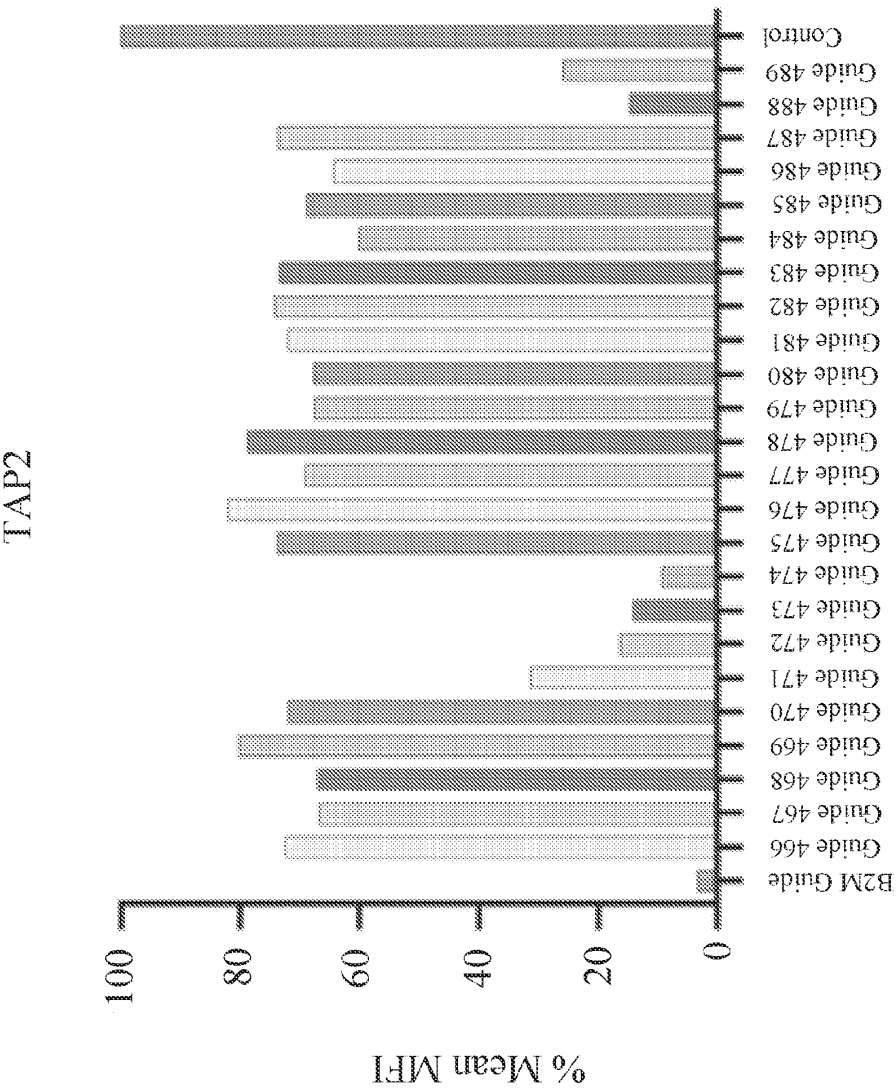


FIG. 3B

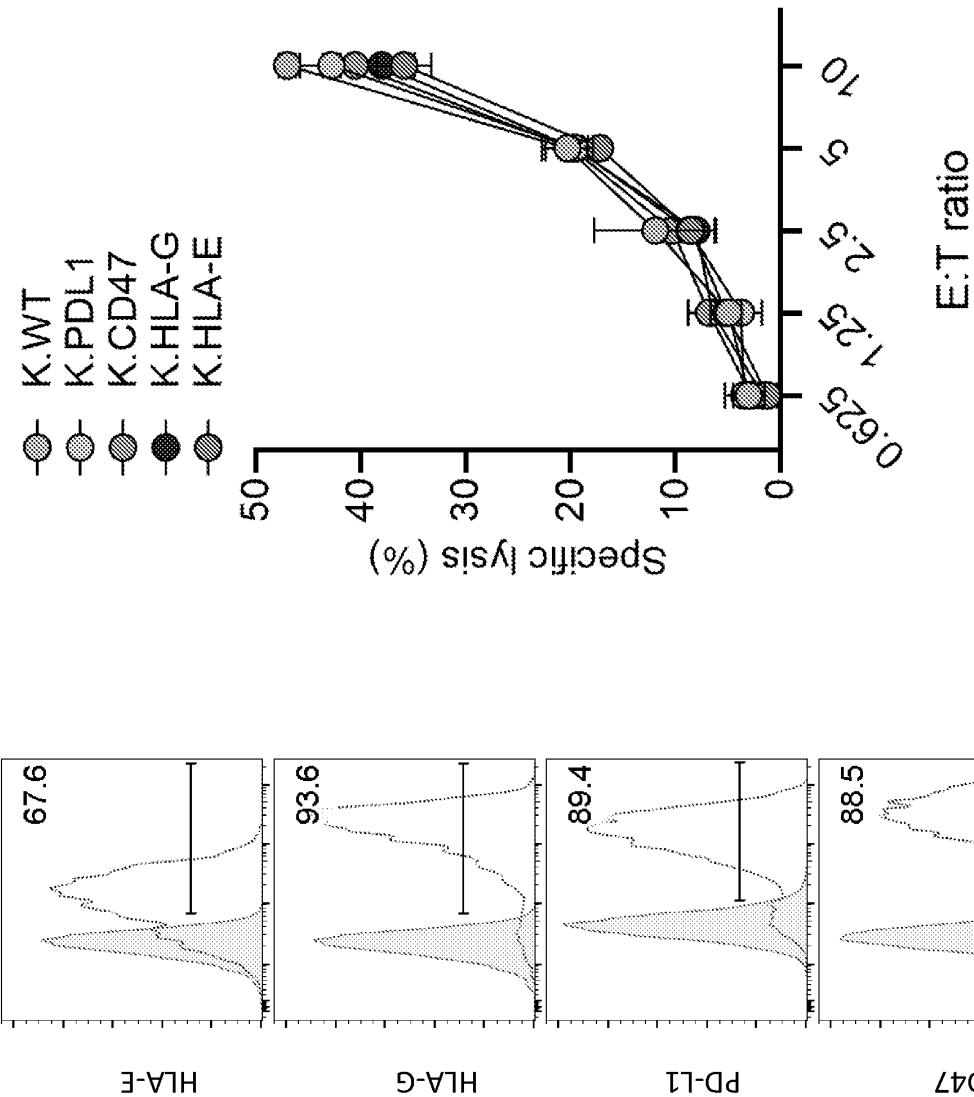


FIG. 4A

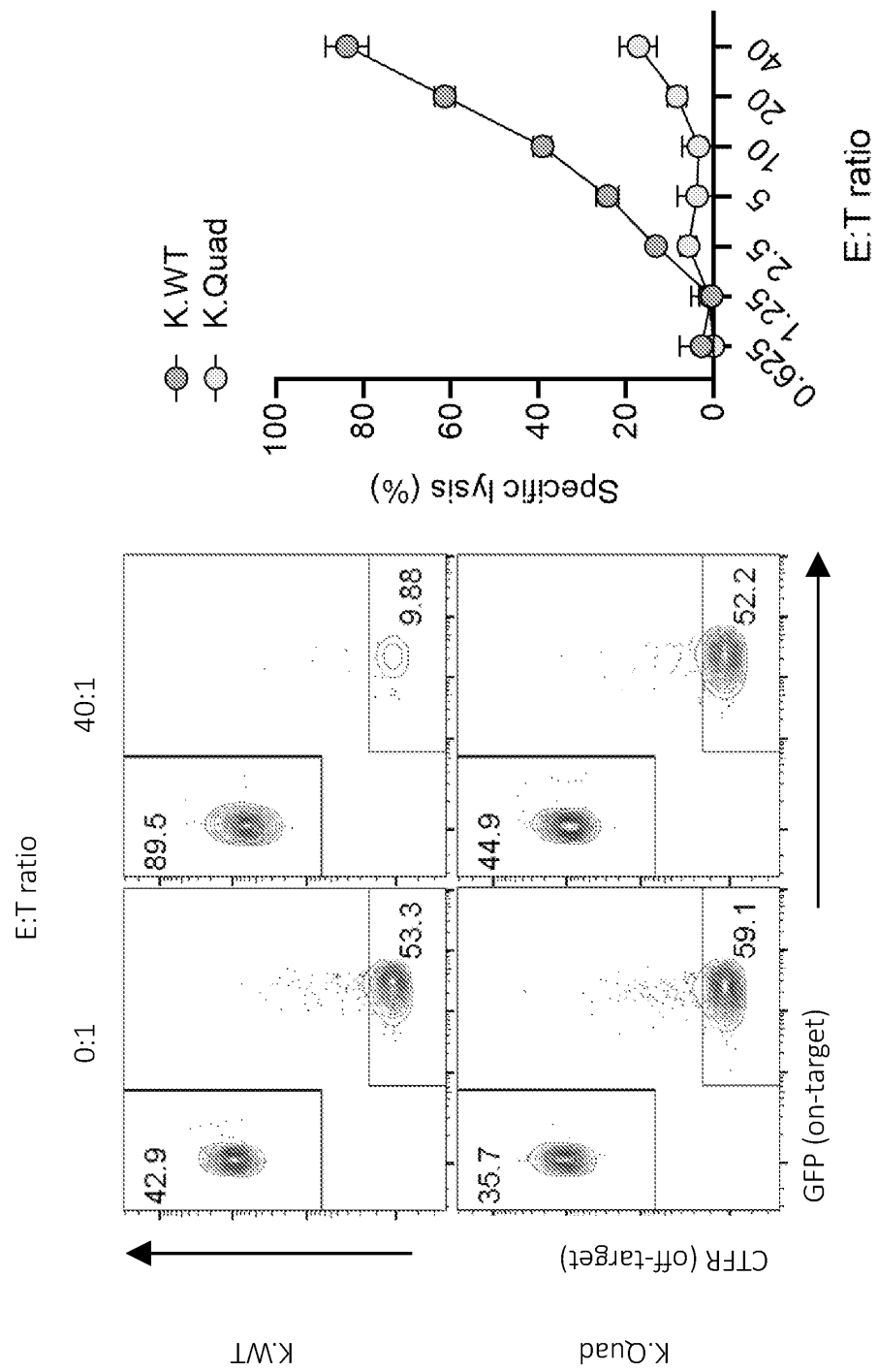


FIG. 4B

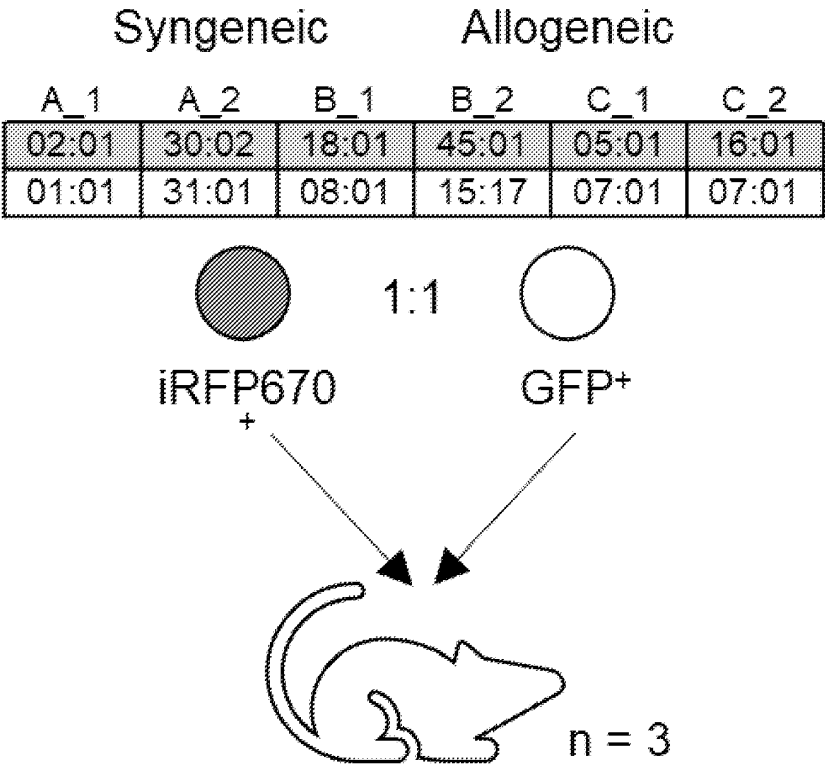


FIG. 5A

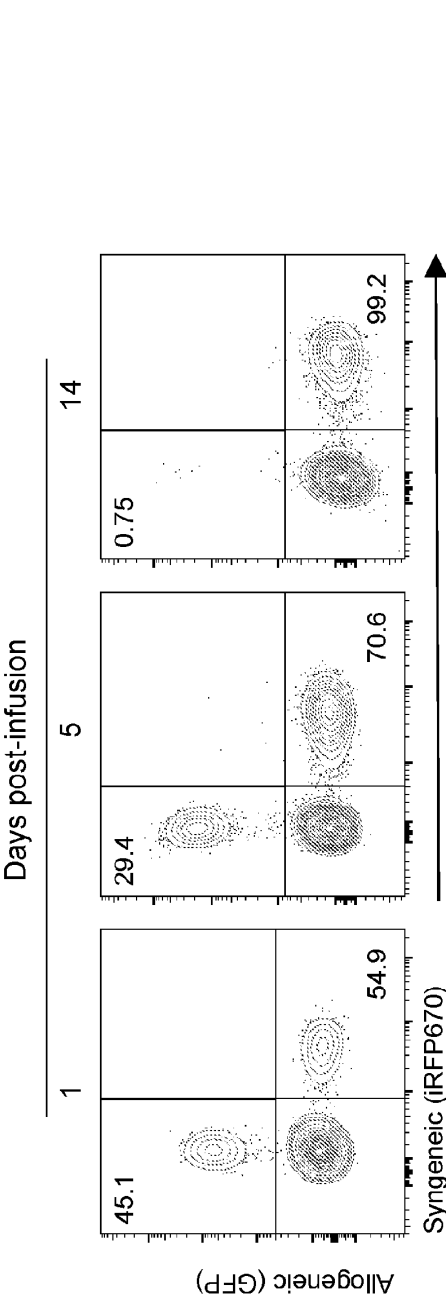


FIG. 5B

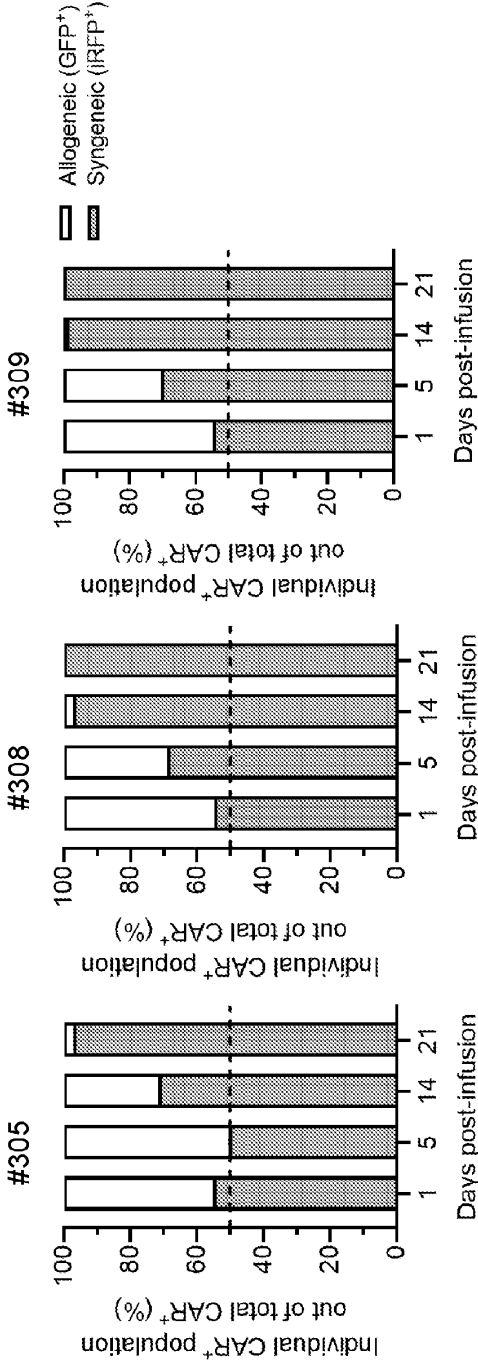


FIG. 5C

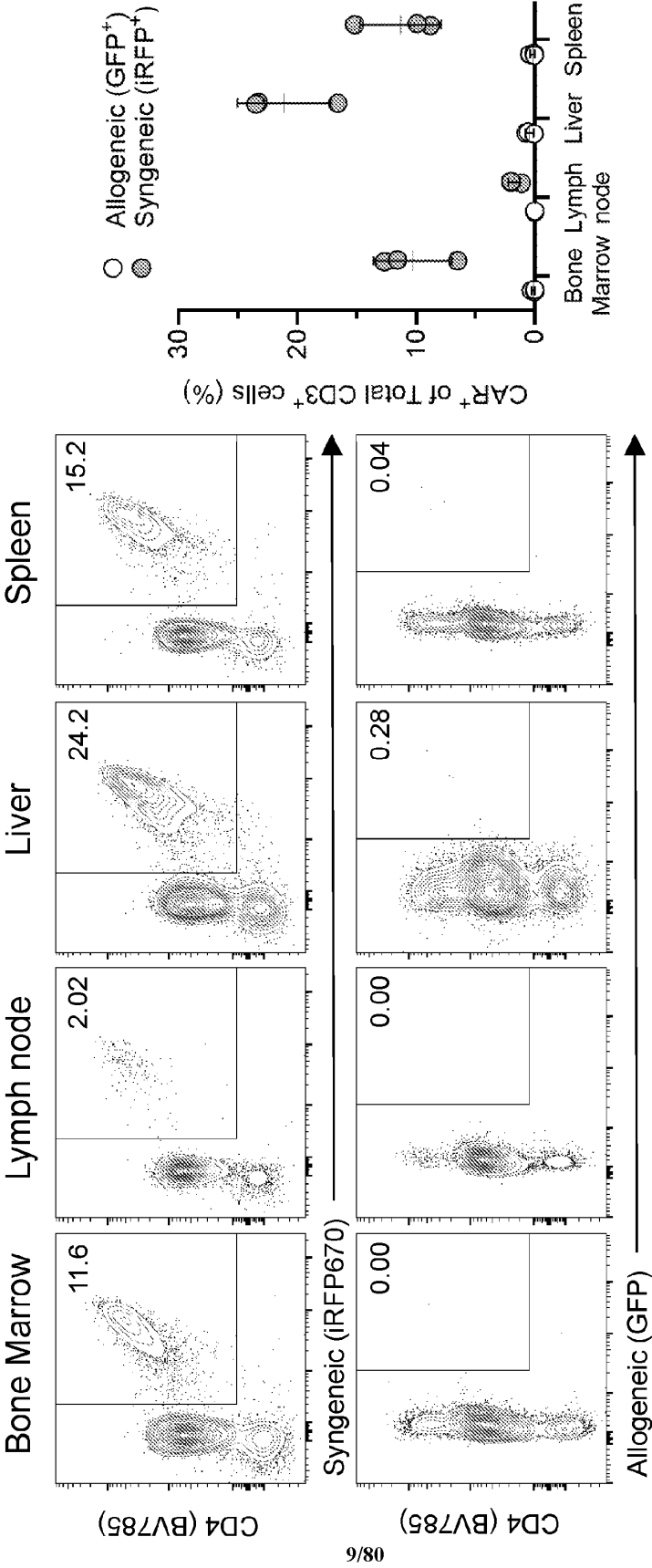
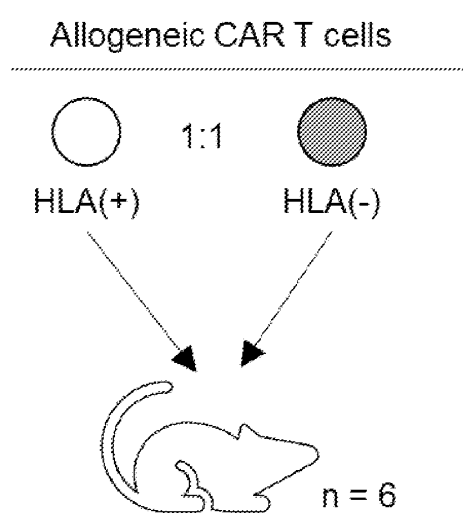


FIG. 6A

FIG. 6B

**FIG. 7**

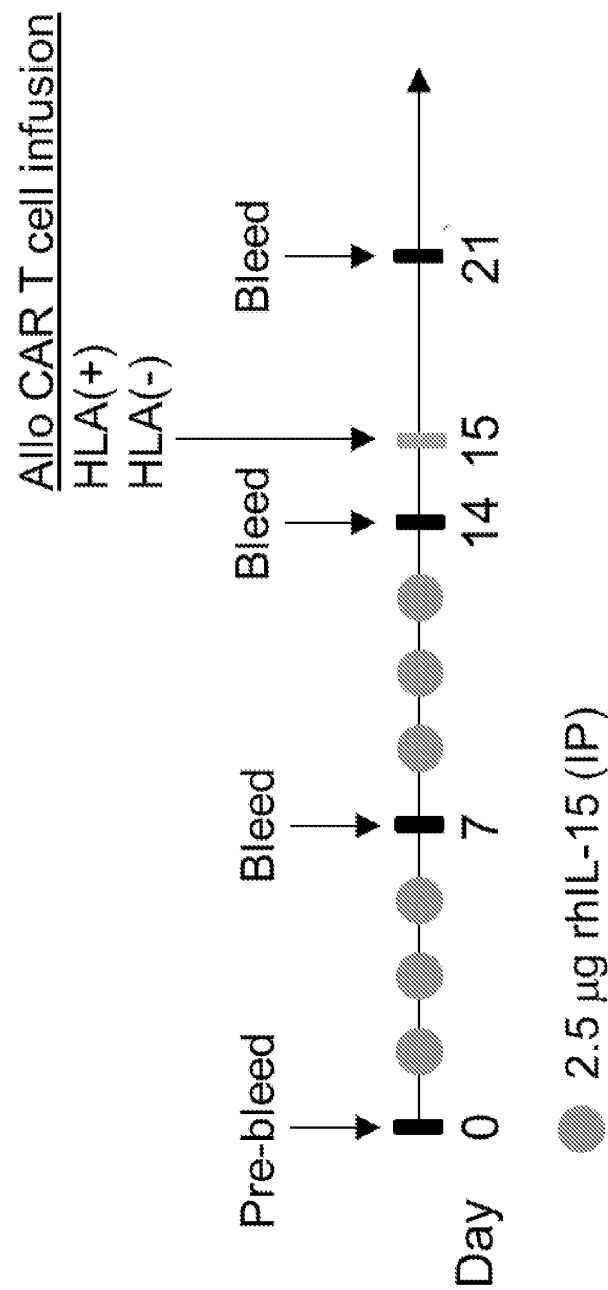


FIG. 8A

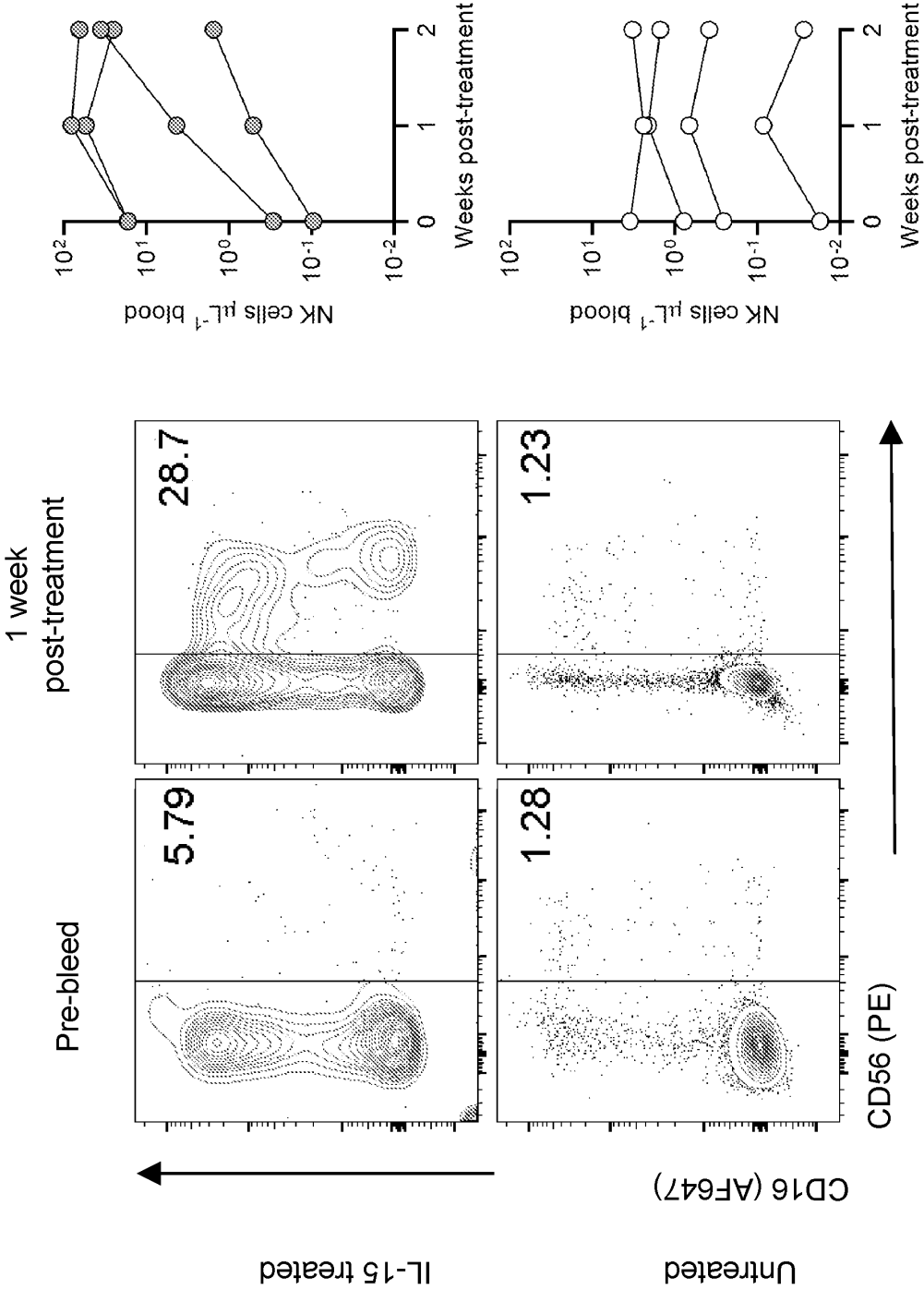
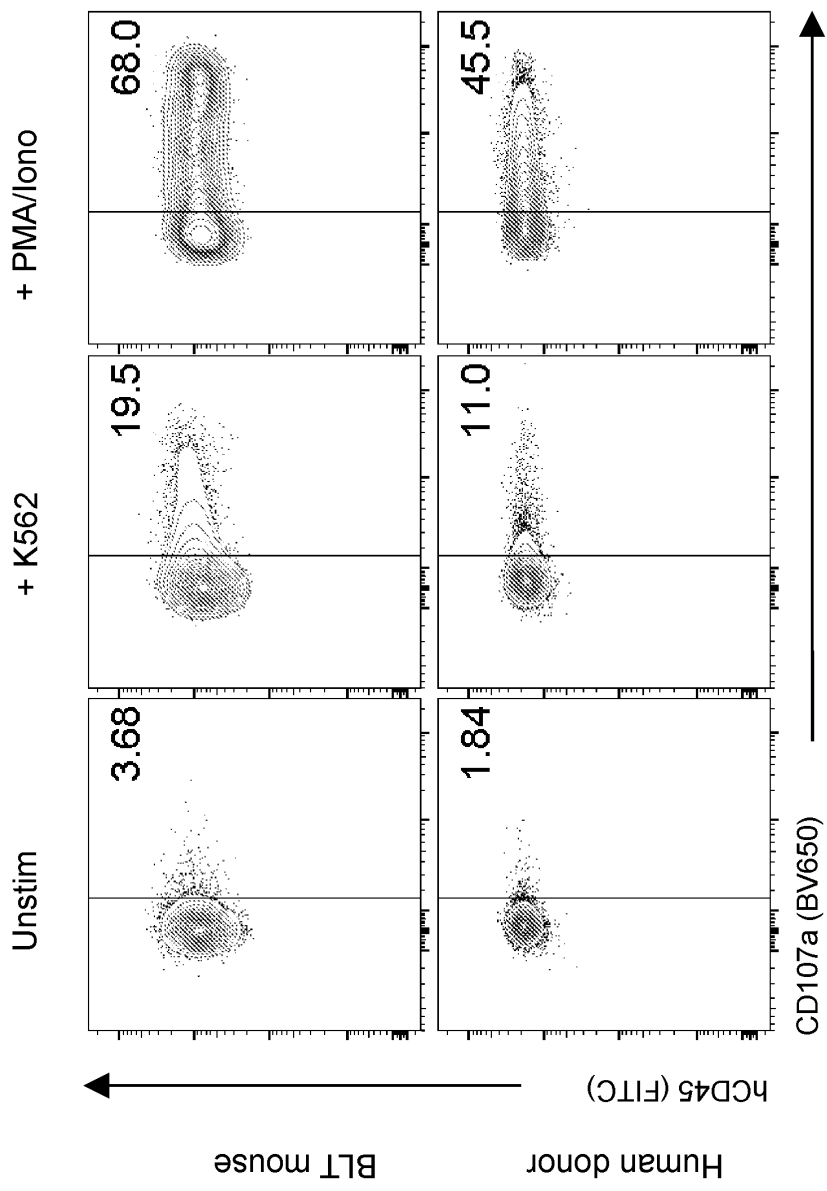


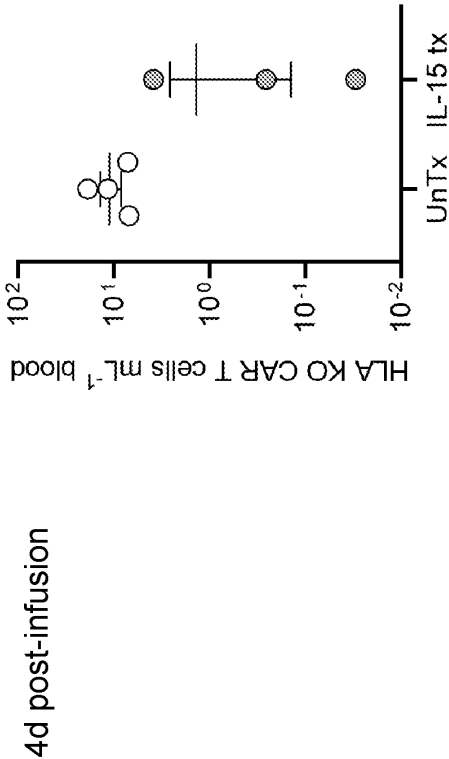
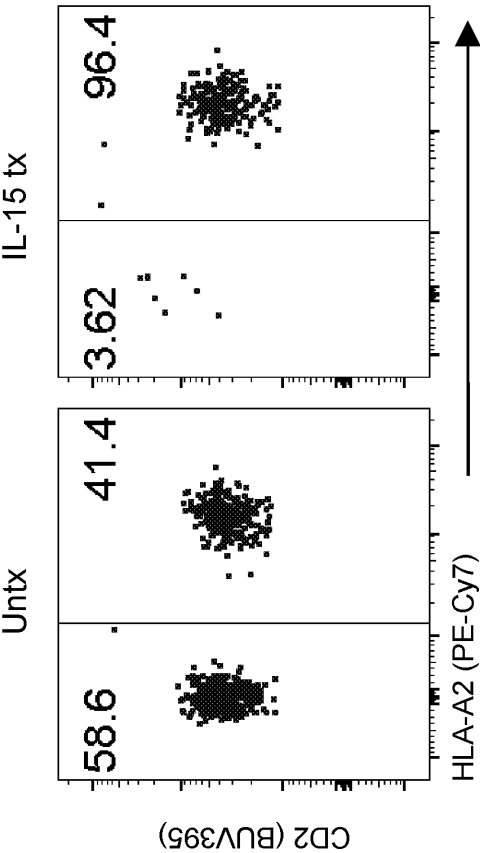
FIG. 8C

FIG. 8B



Gated on: Live/Singlets/CD33-/CD19-/mCD45-/hCD45+/CD56+

FIG. 8D



CD58 knockout

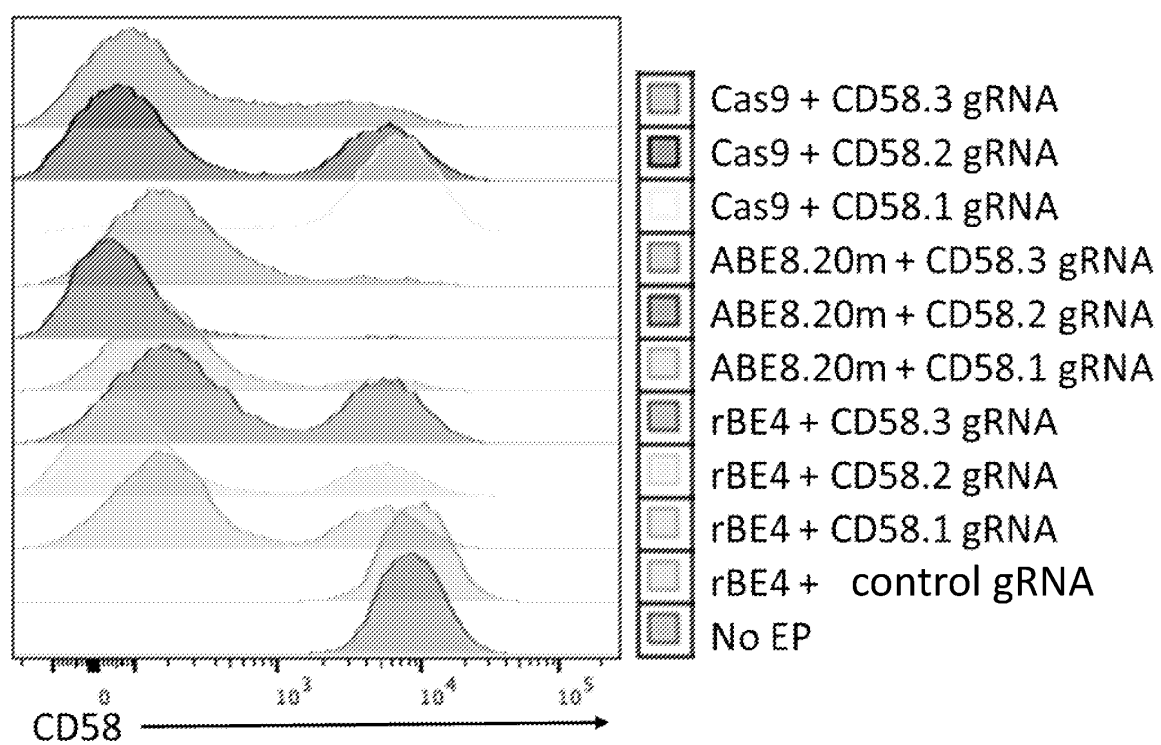


FIG. 9

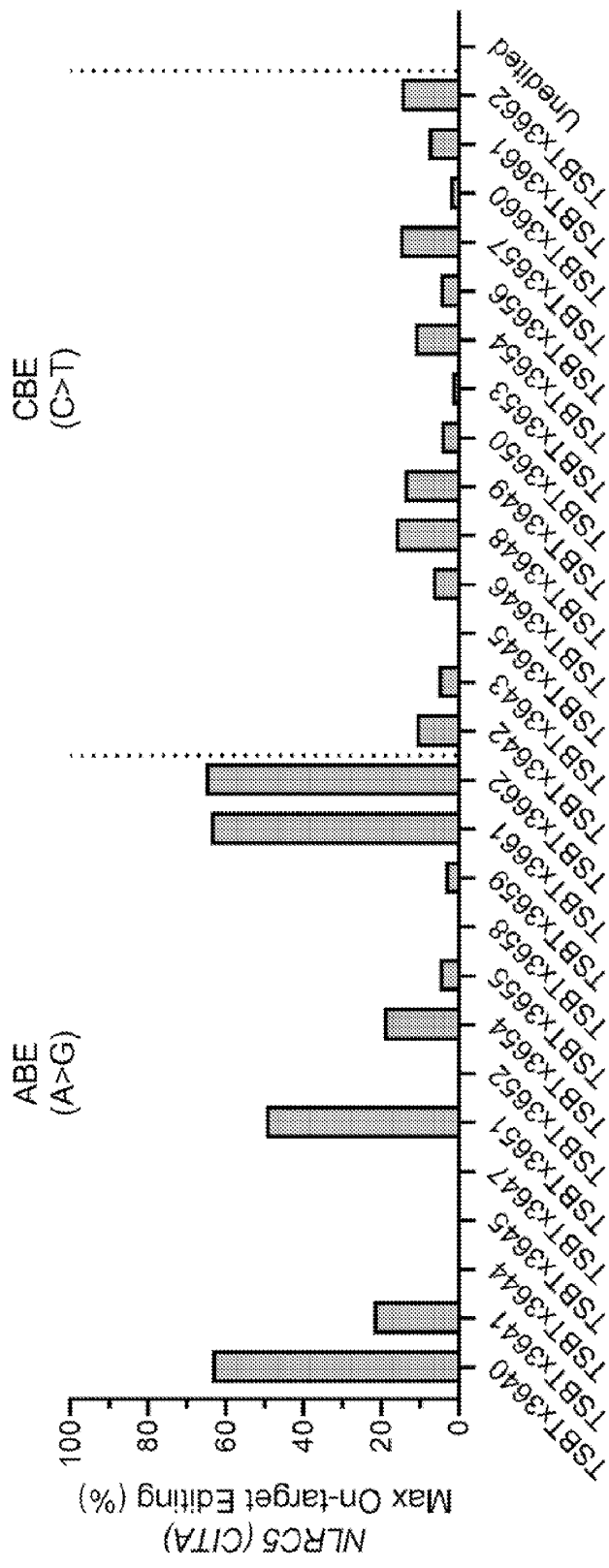


FIG. 10A

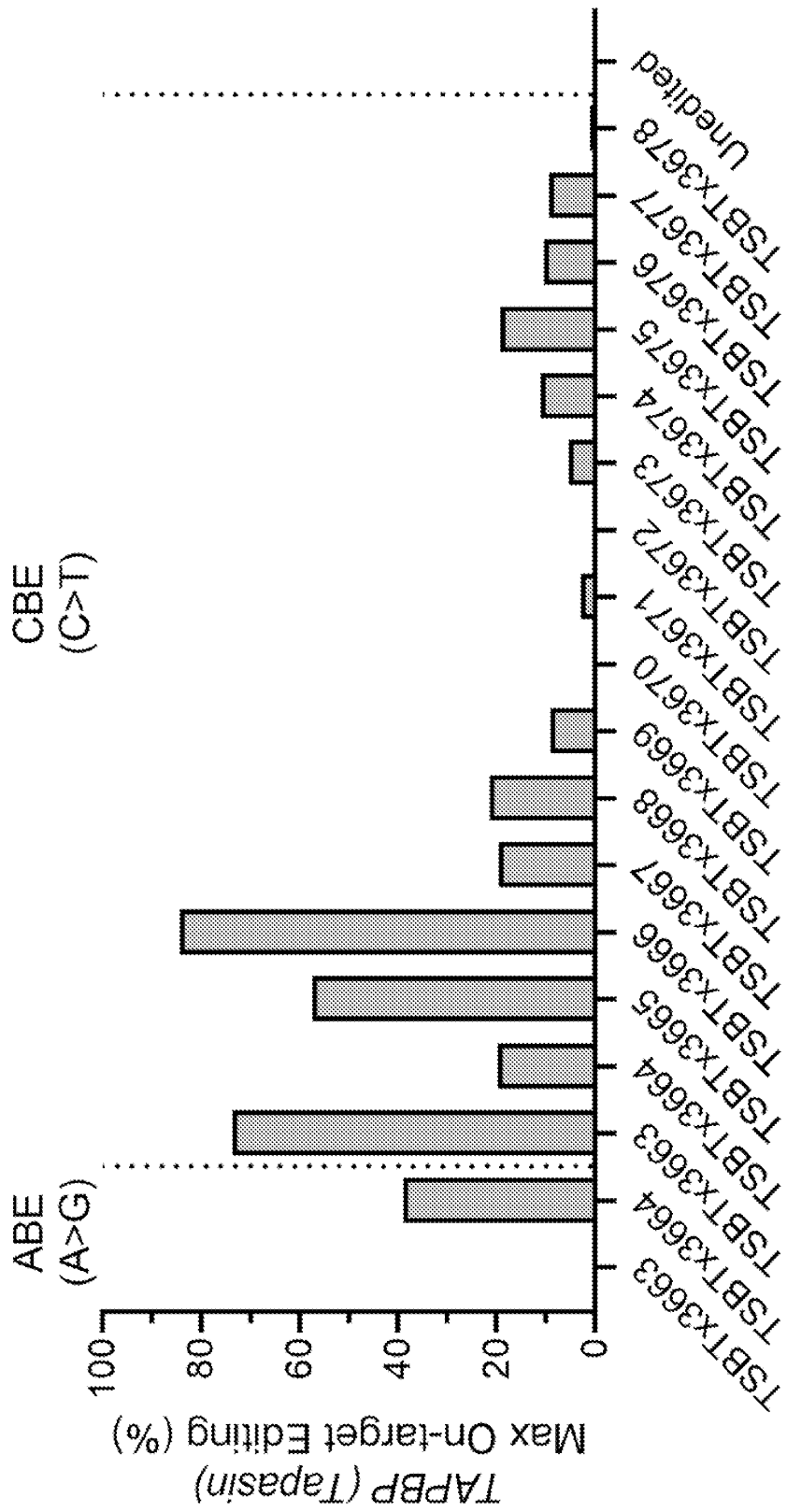


FIG. 10B

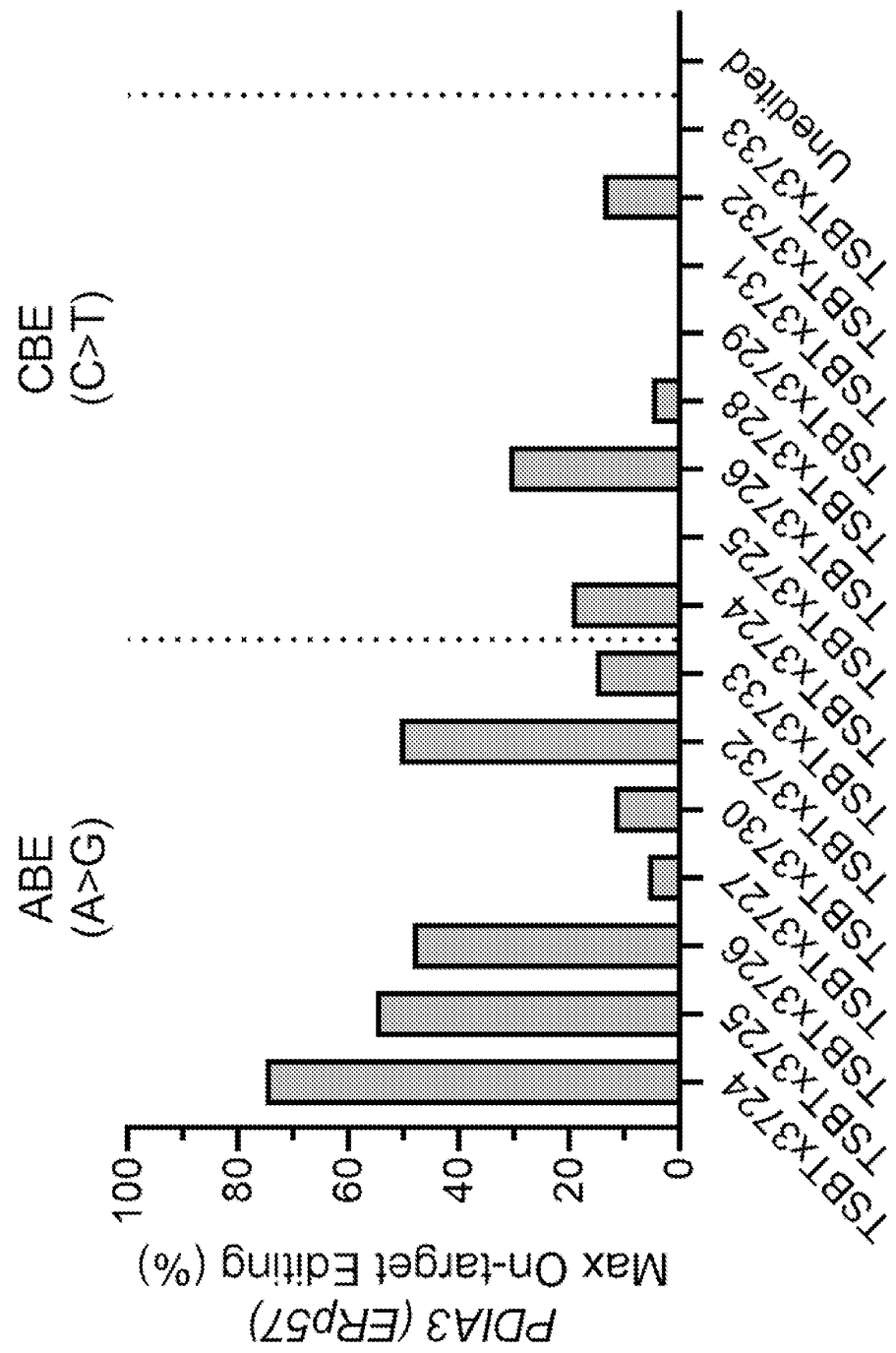


FIG. 10C

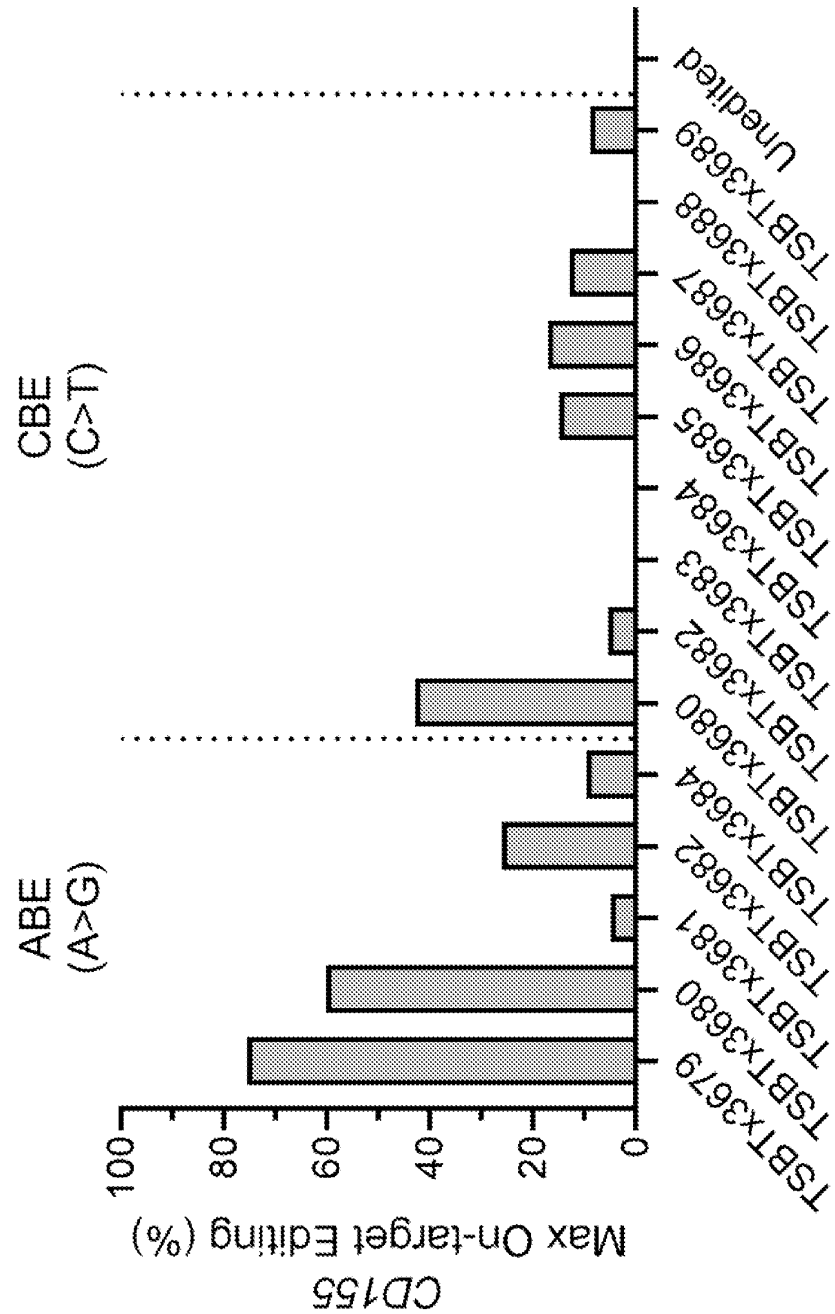


FIG. 10D

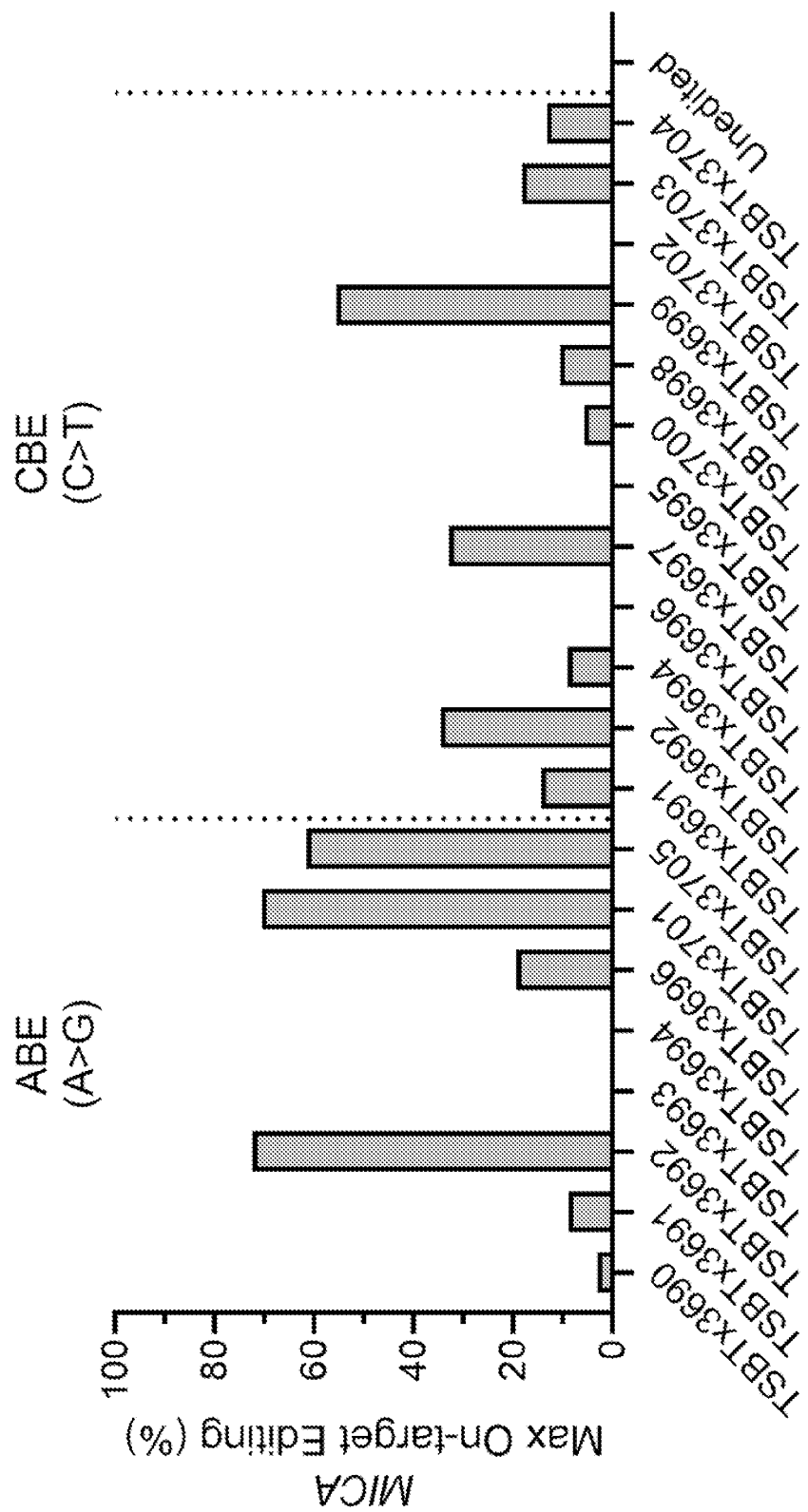


FIG. 10E

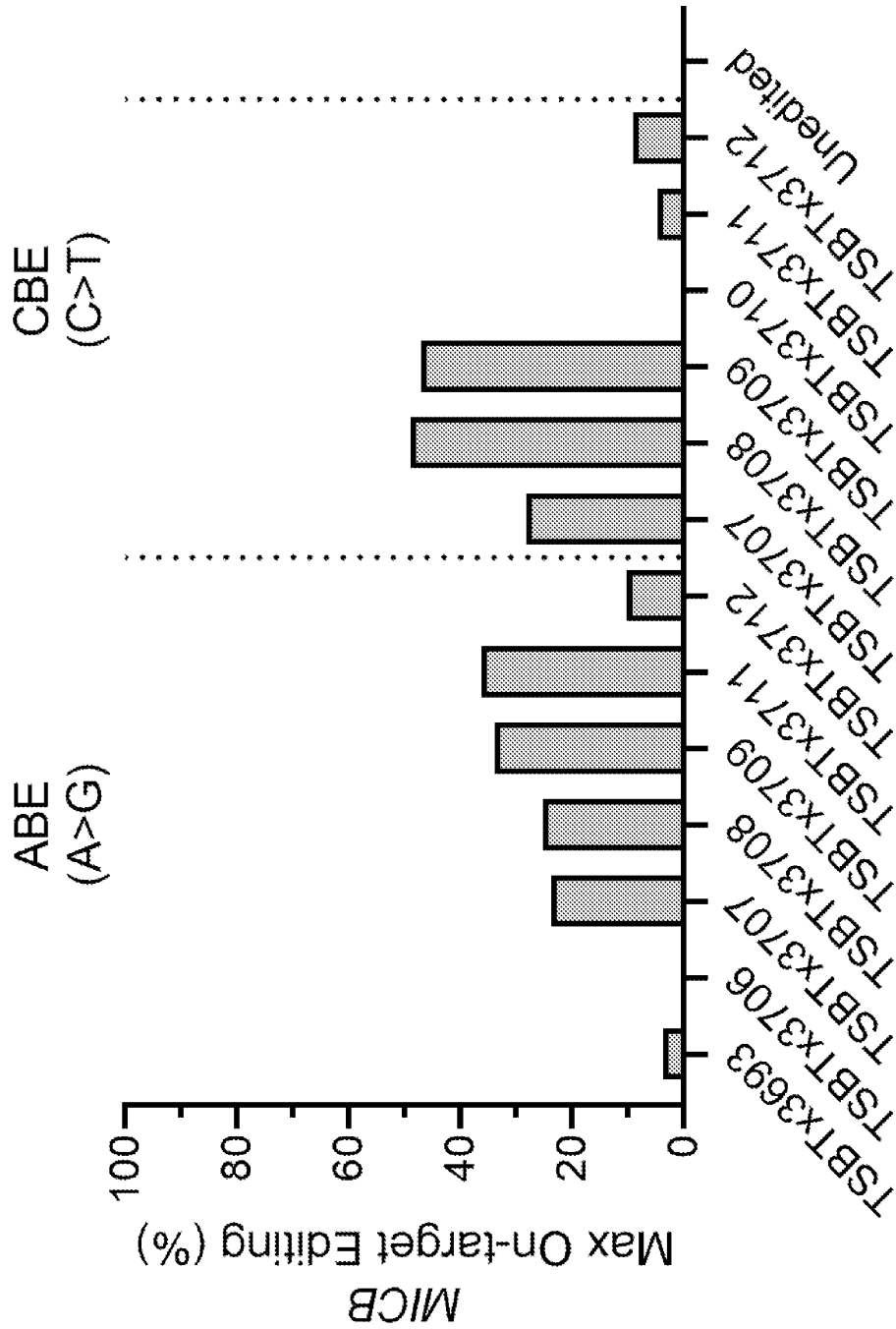


FIG. 10F

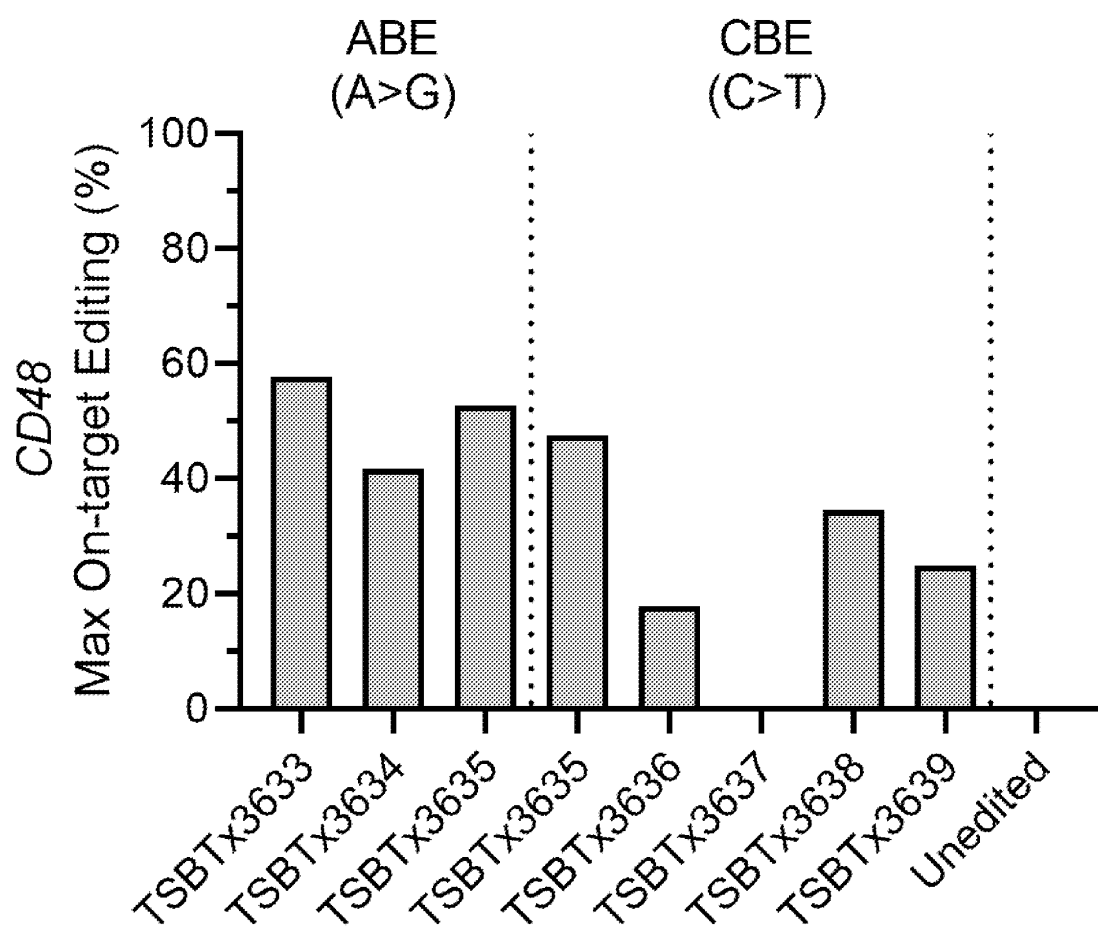
**FIG. 10G**



FIG. 11

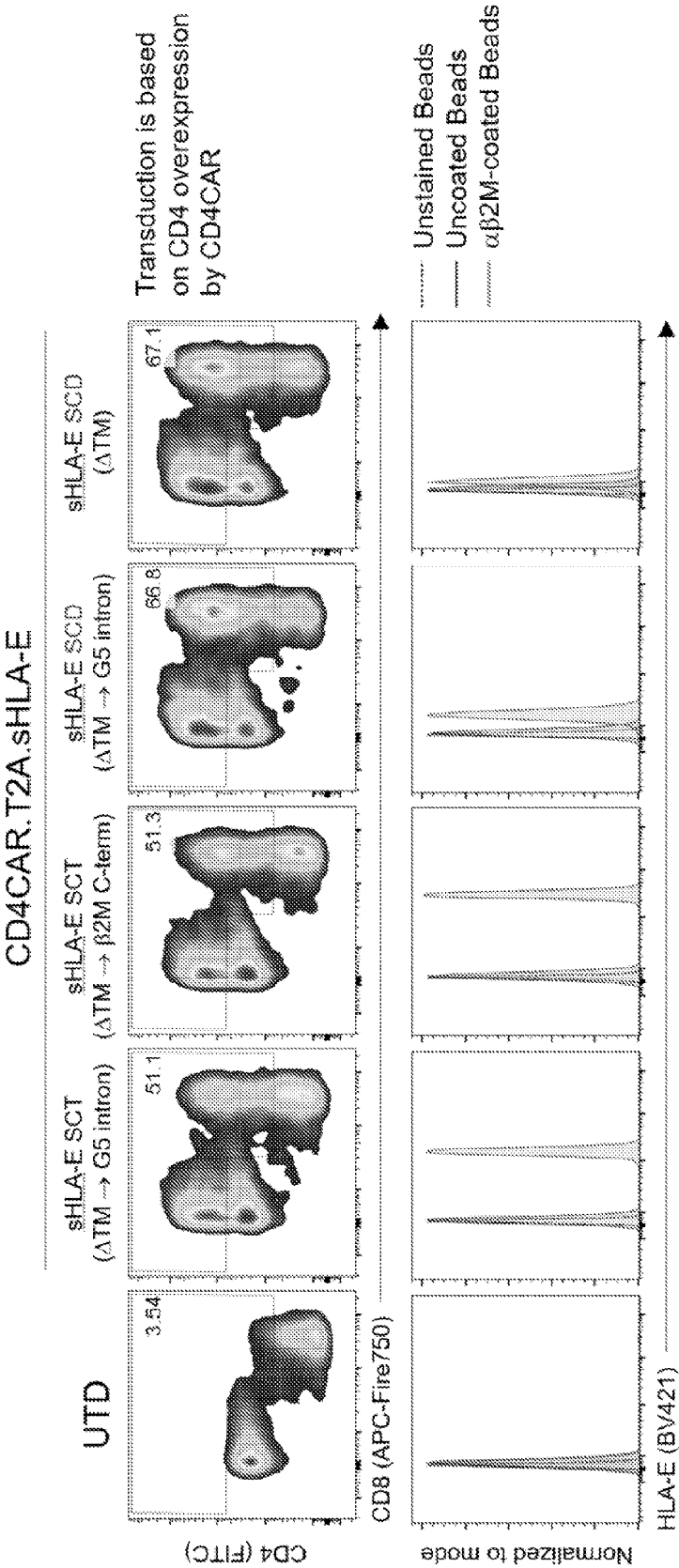


FIG. 12

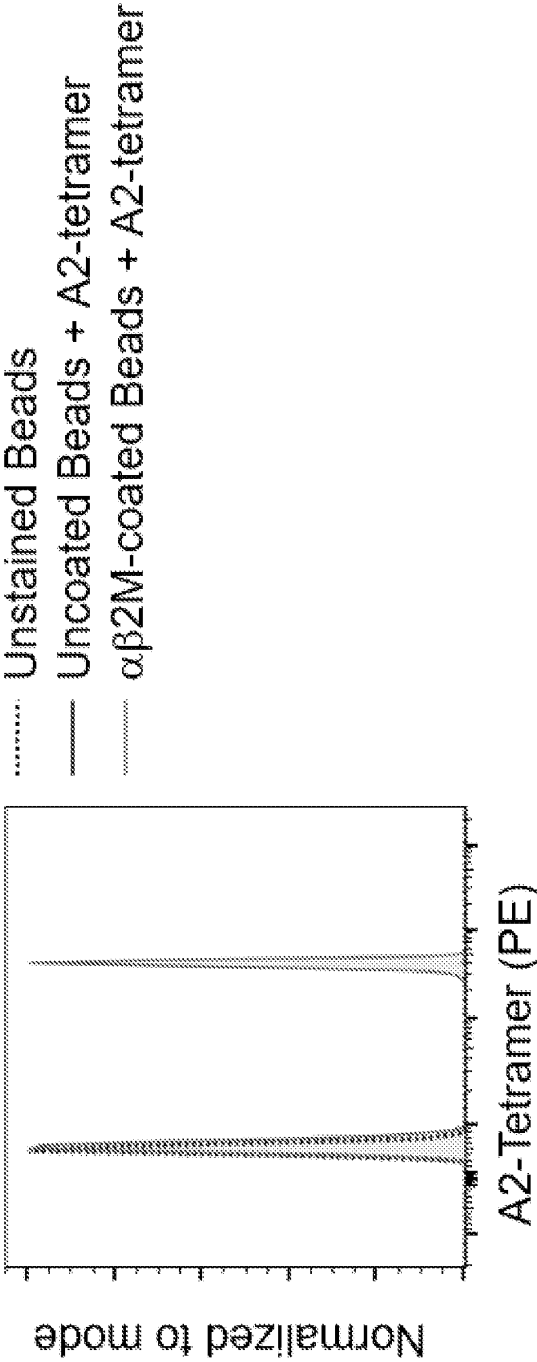


FIG. 13

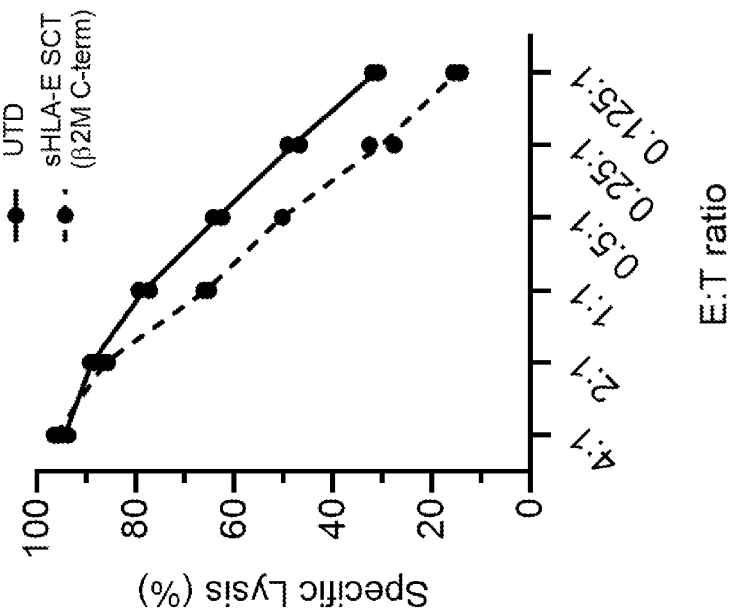


FIG. 14B

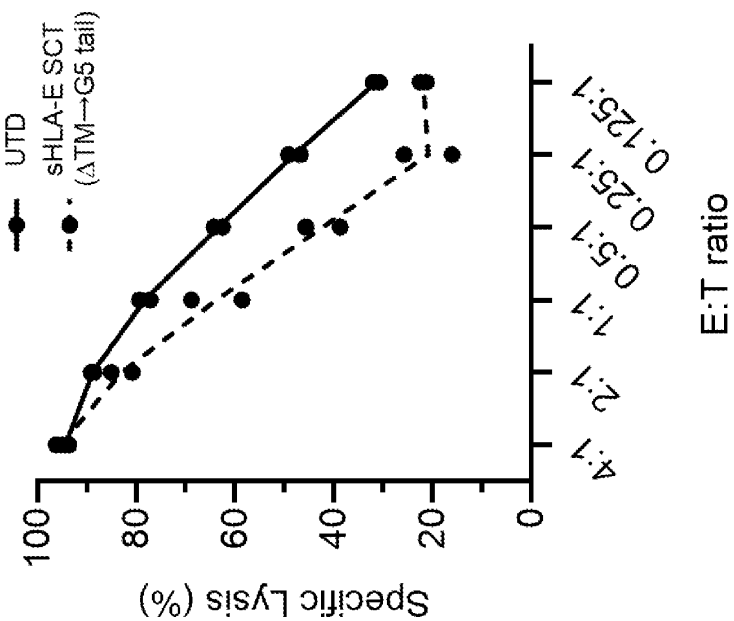


FIG. 14A

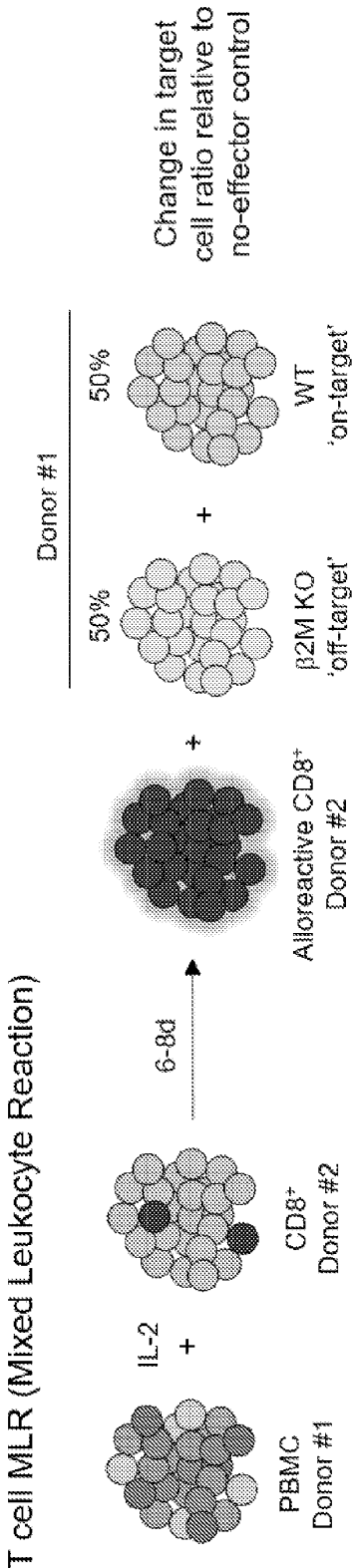


FIG. 15A

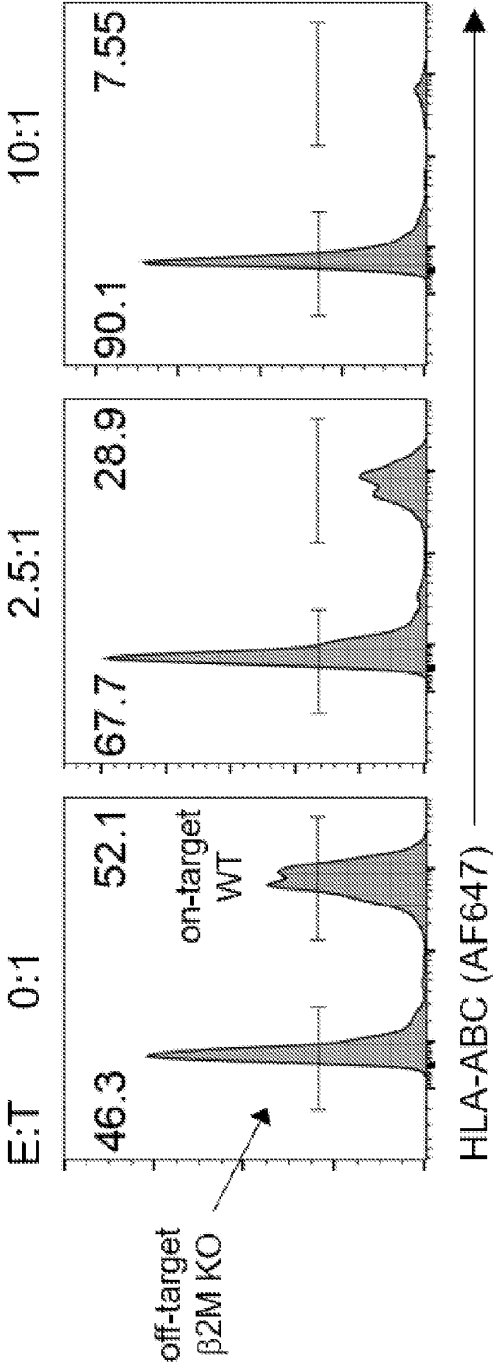
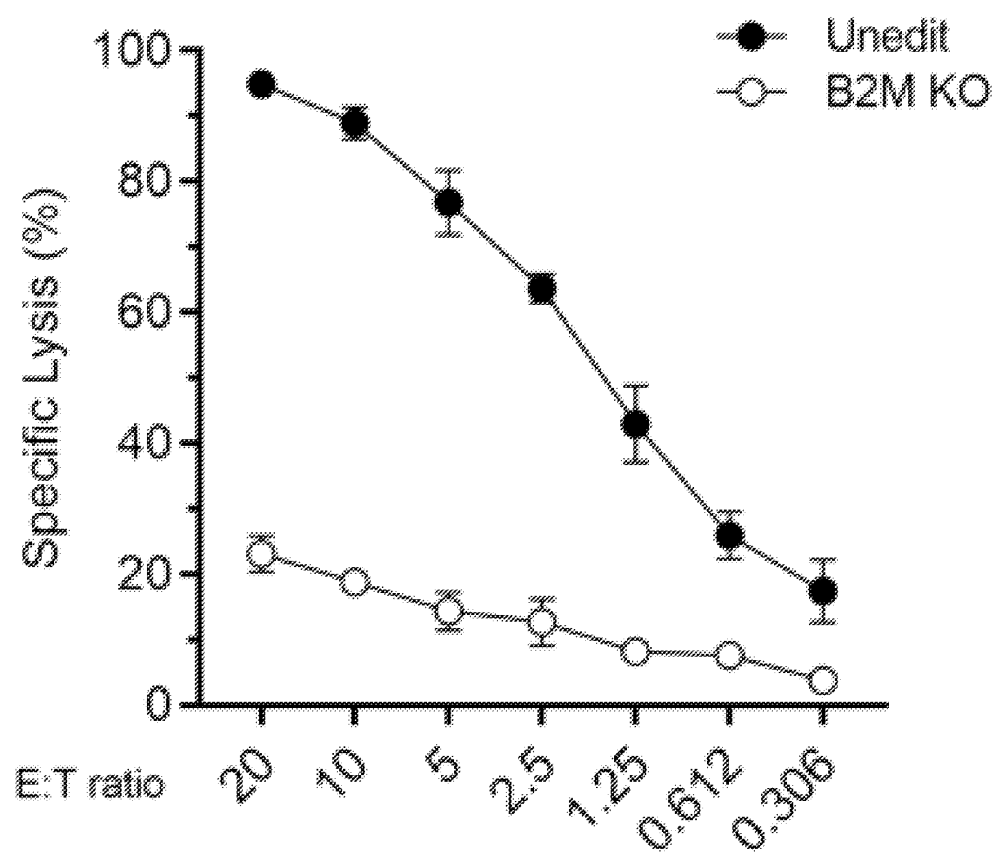


FIG. 15B

**FIG. 15C**

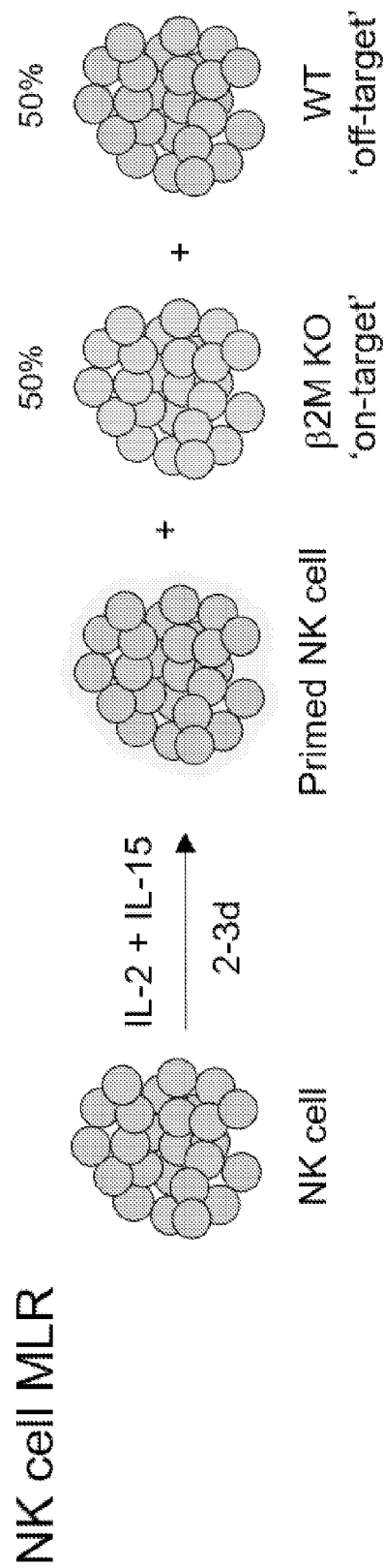


FIG. 16A

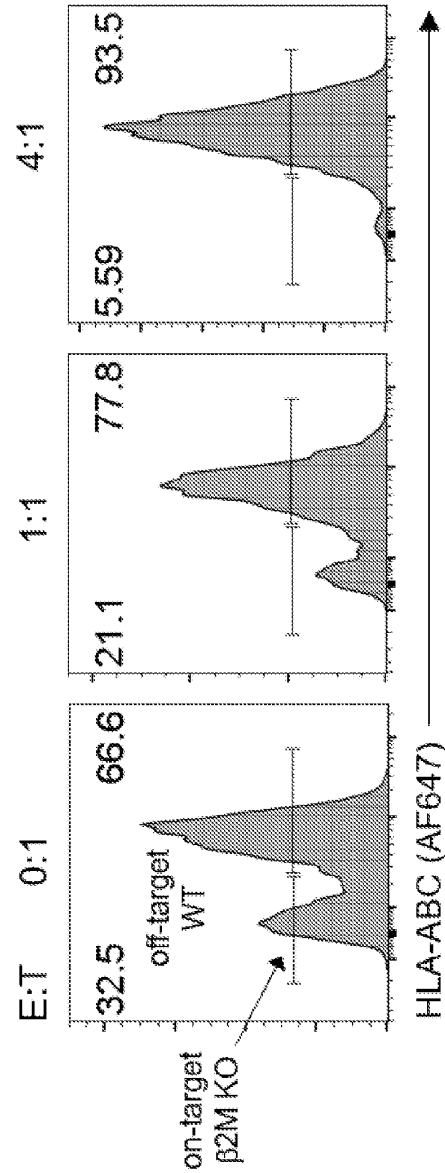
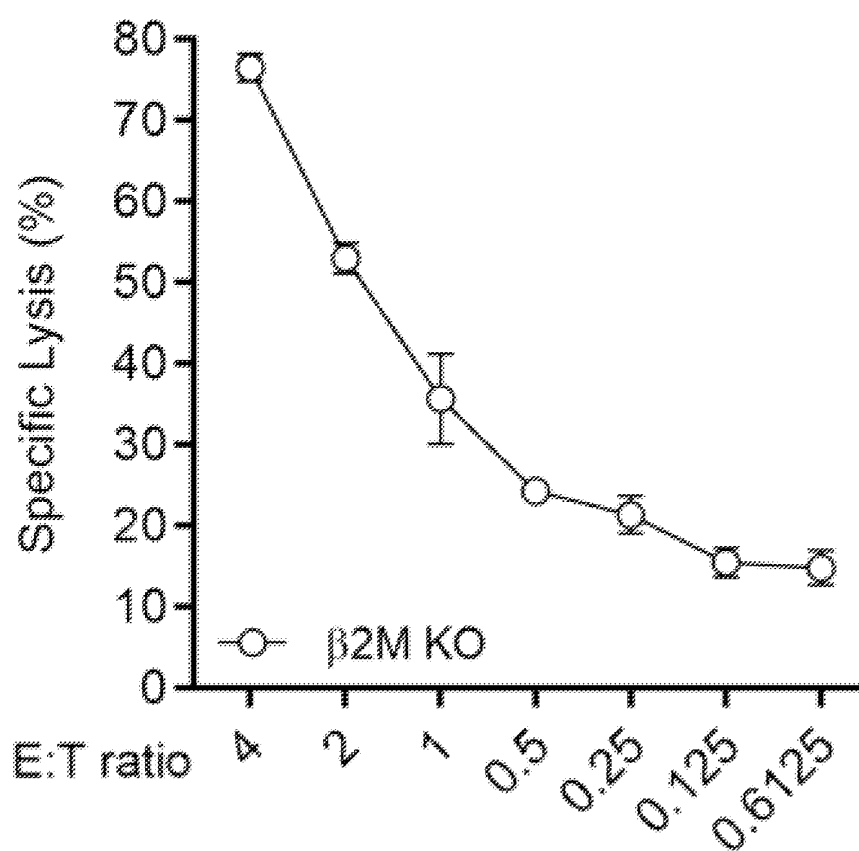


FIG. 16B

**FIG. 16C**

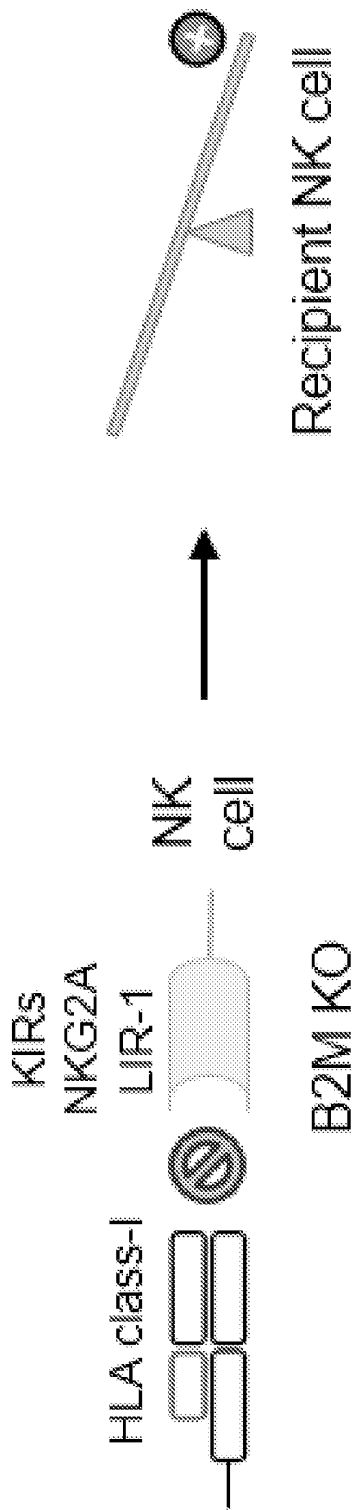


FIG. 16D

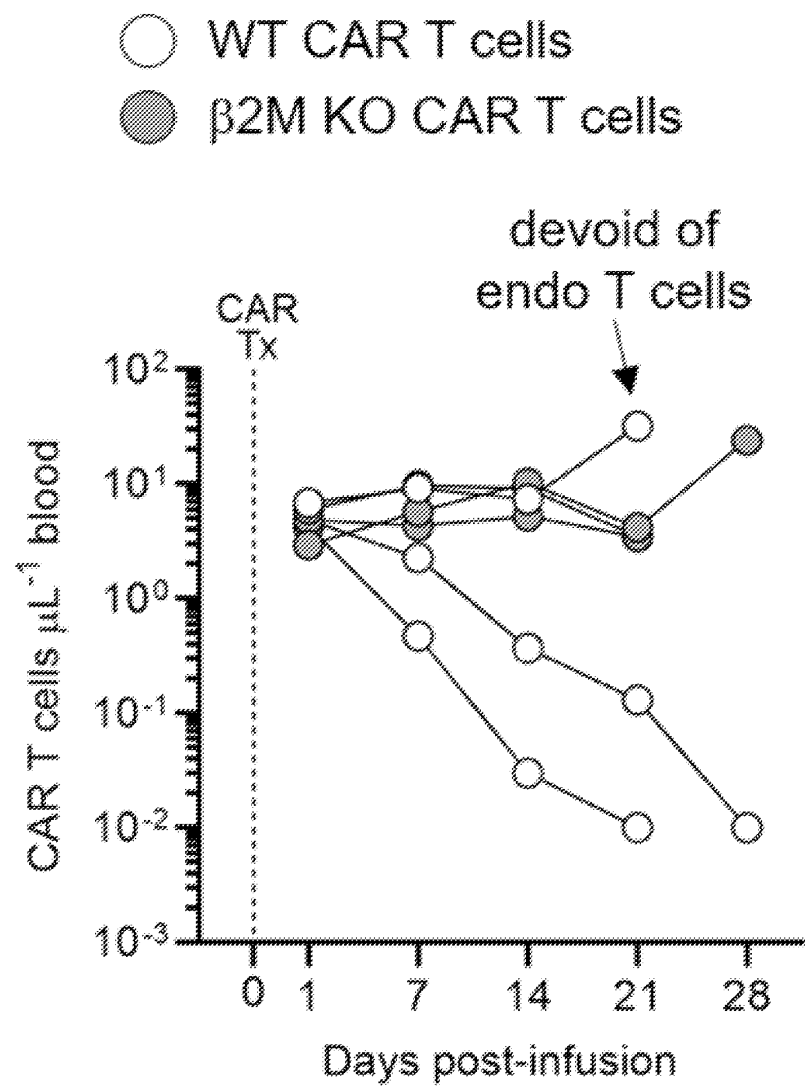


FIG. 17

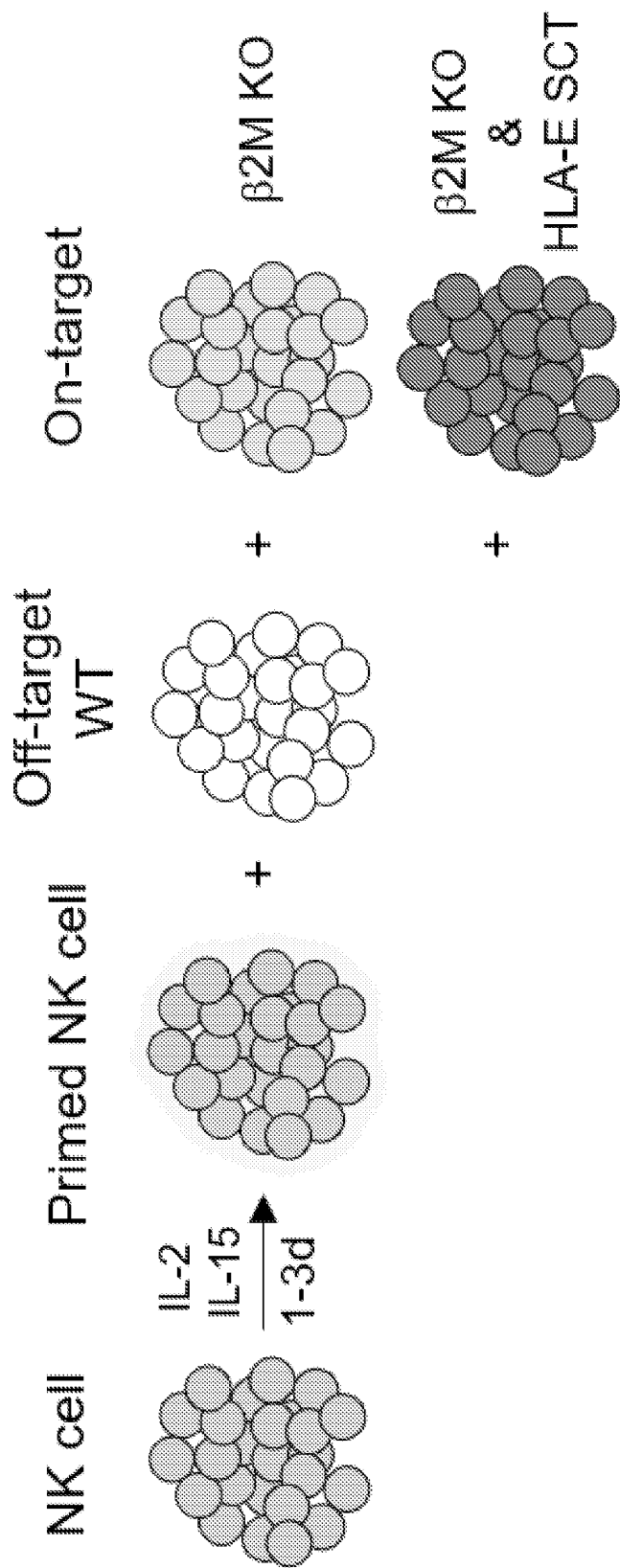


FIG. 18A

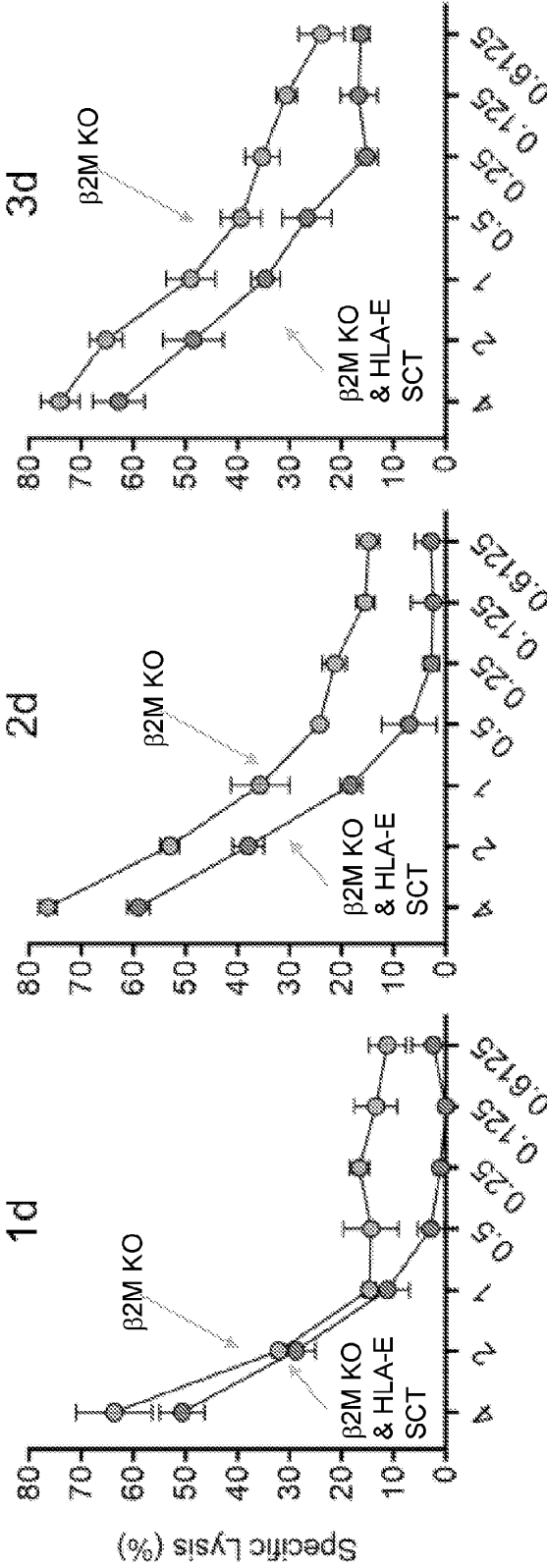


FIG. 18B

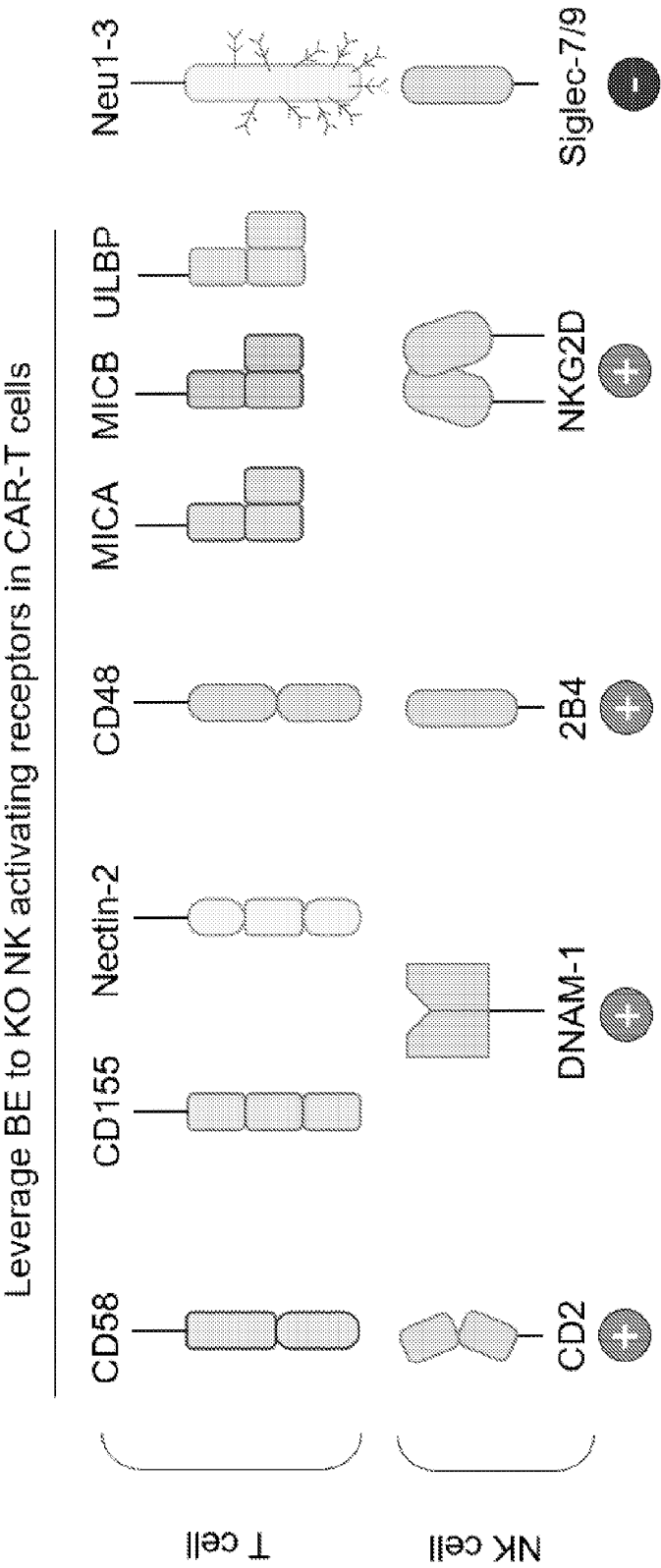


FIG. 19

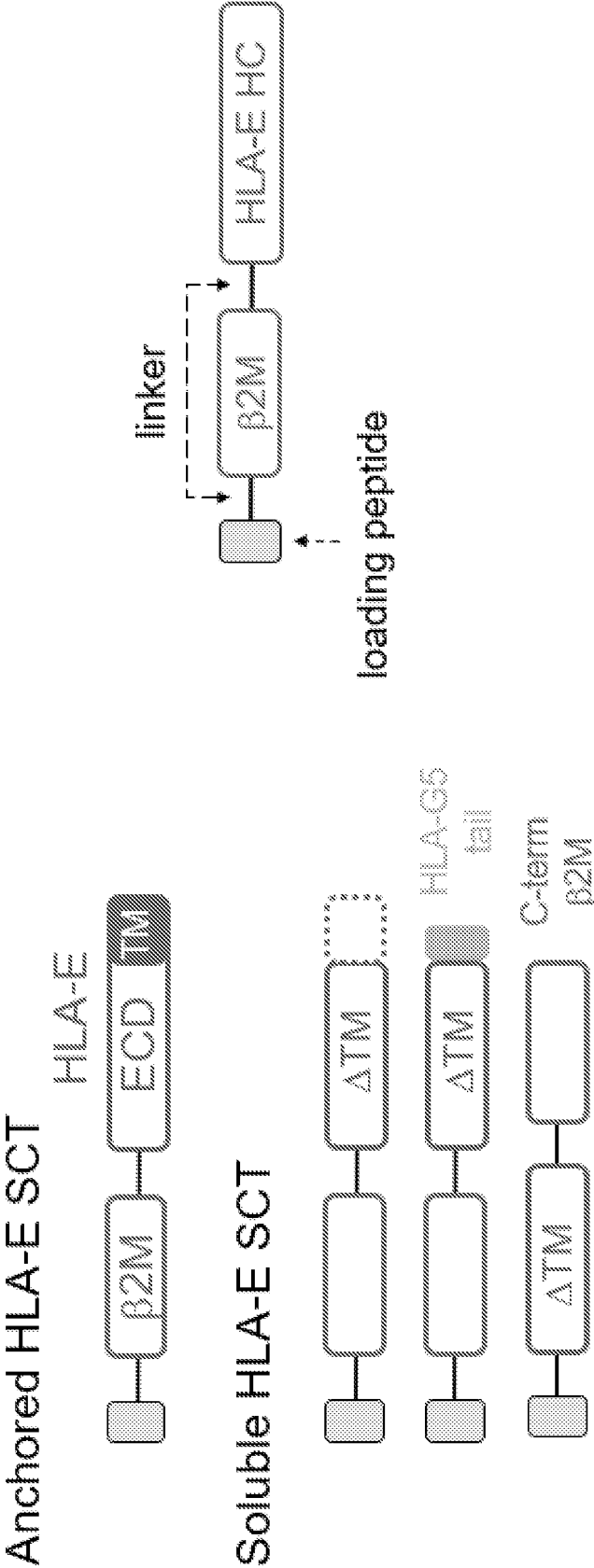
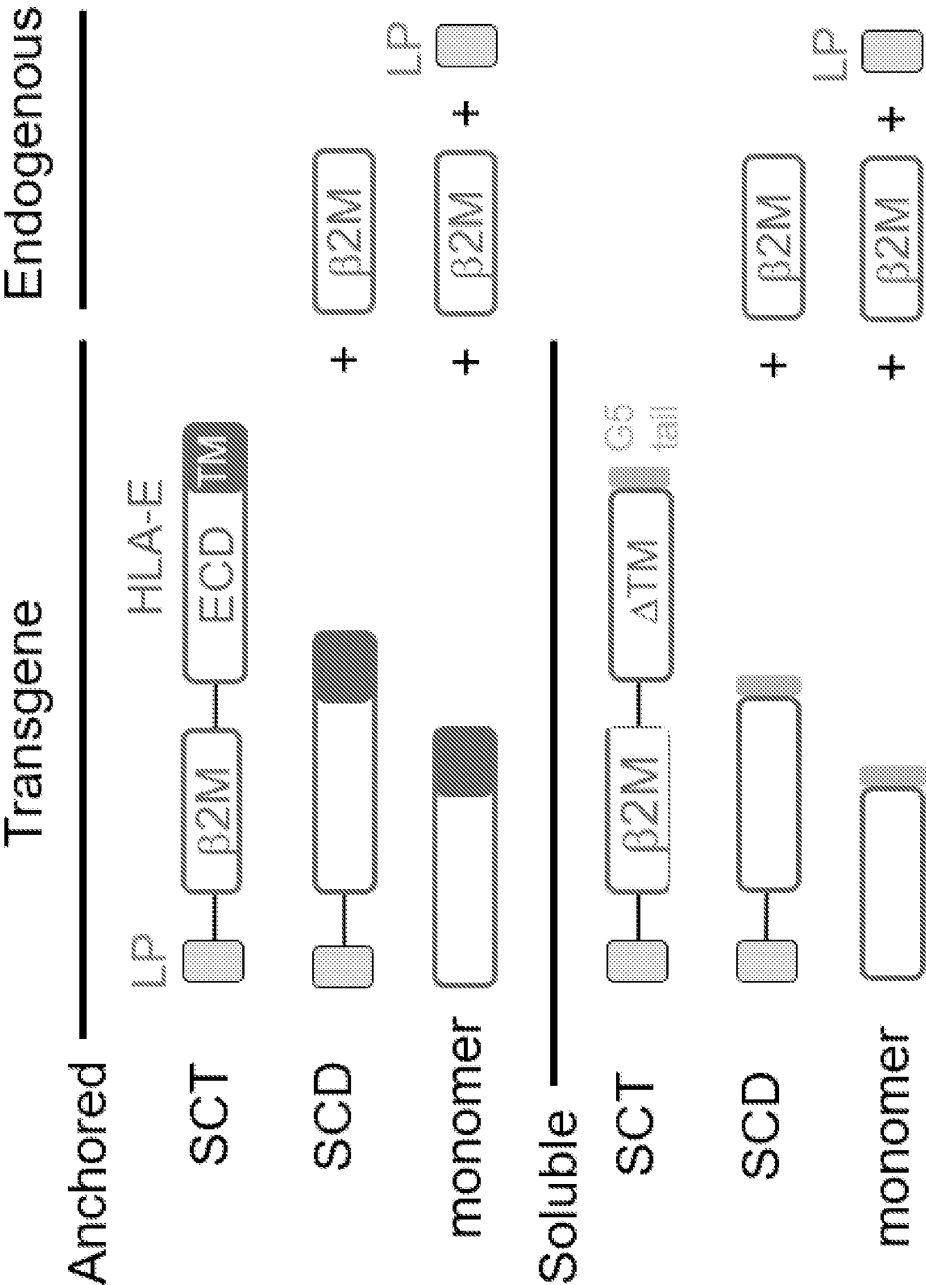


FIG. 20A



May reduce size of transgene for AAV/NA insertion

FIG. 20B

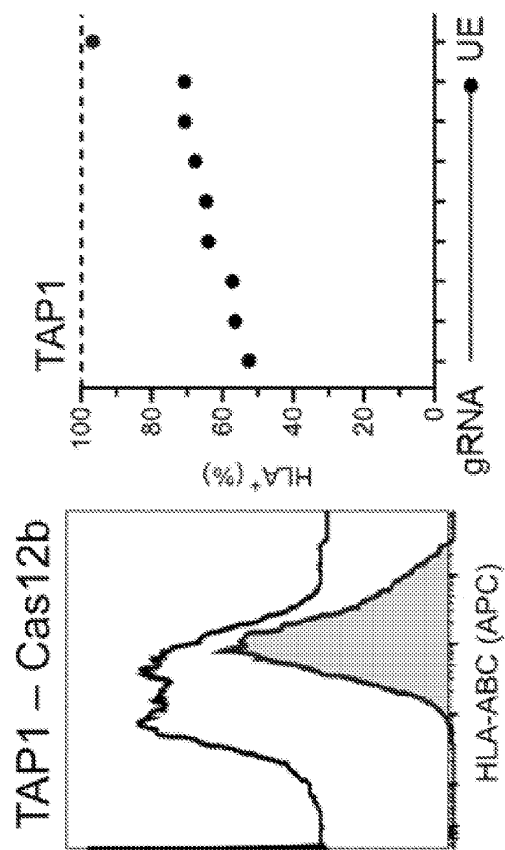


FIG. 21A

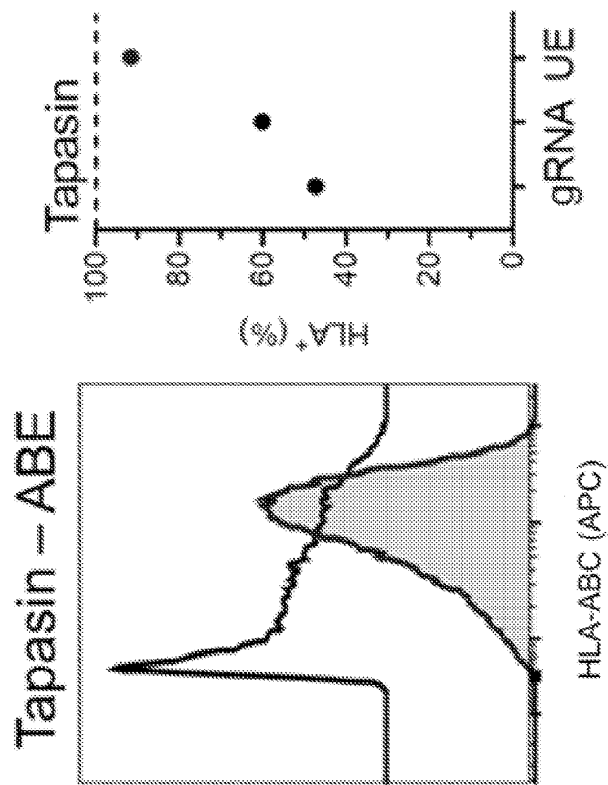


FIG. 21B

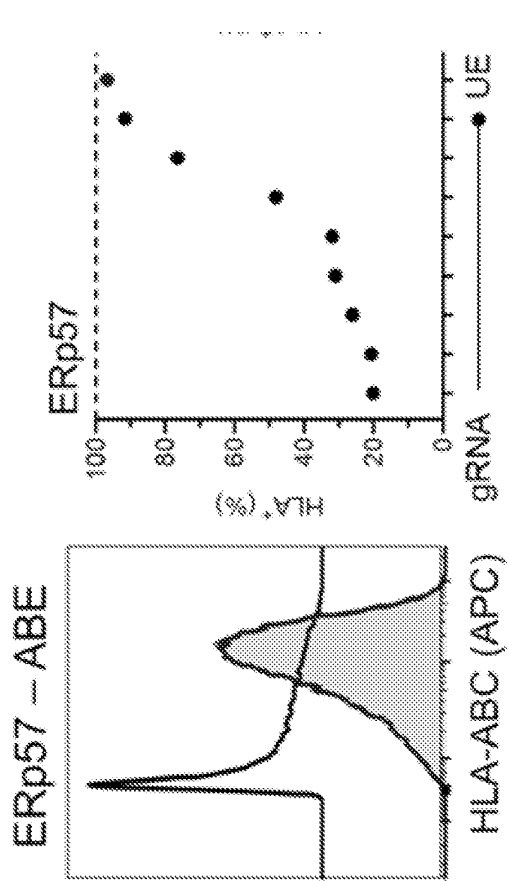


FIG. 21C

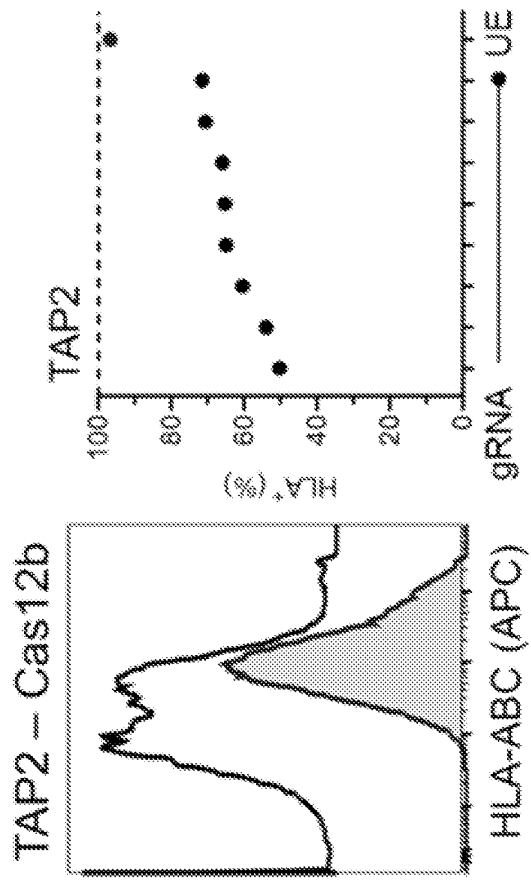


FIG. 21D

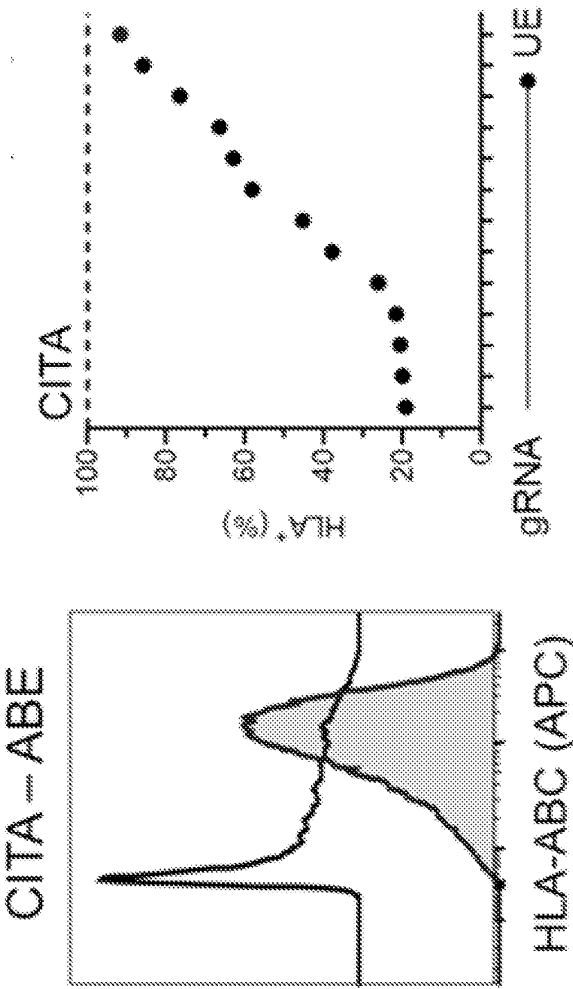


FIG. 21E



FIG. 22

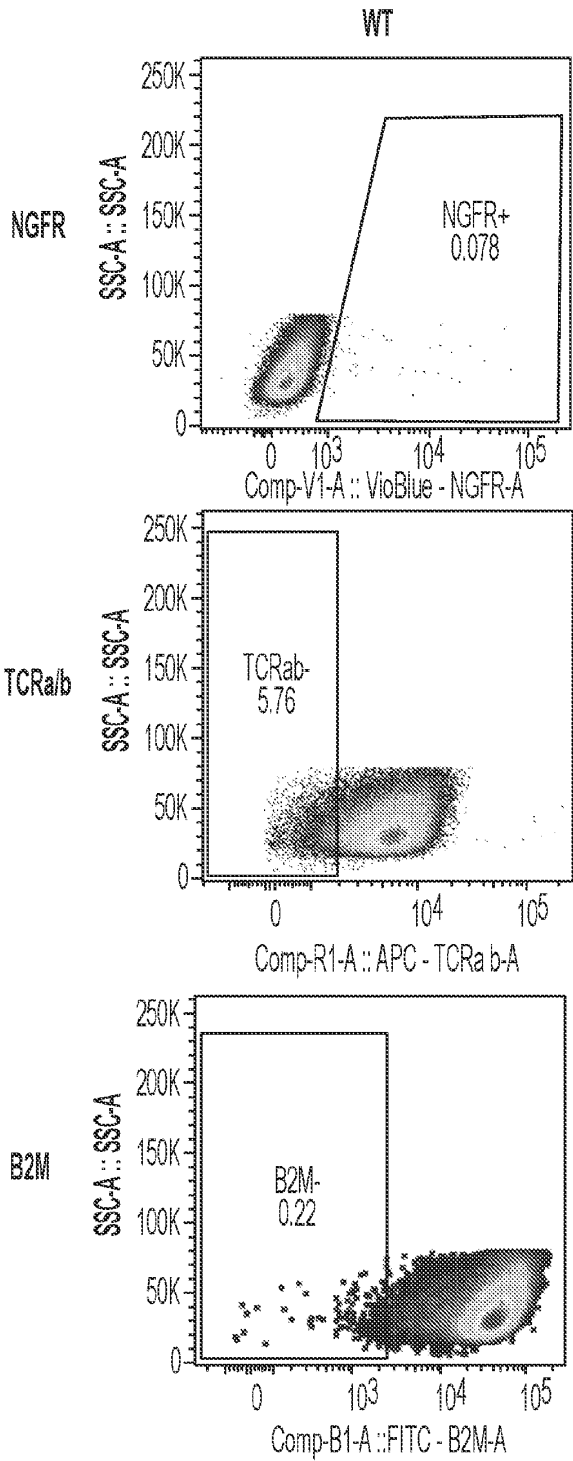


FIG. 23

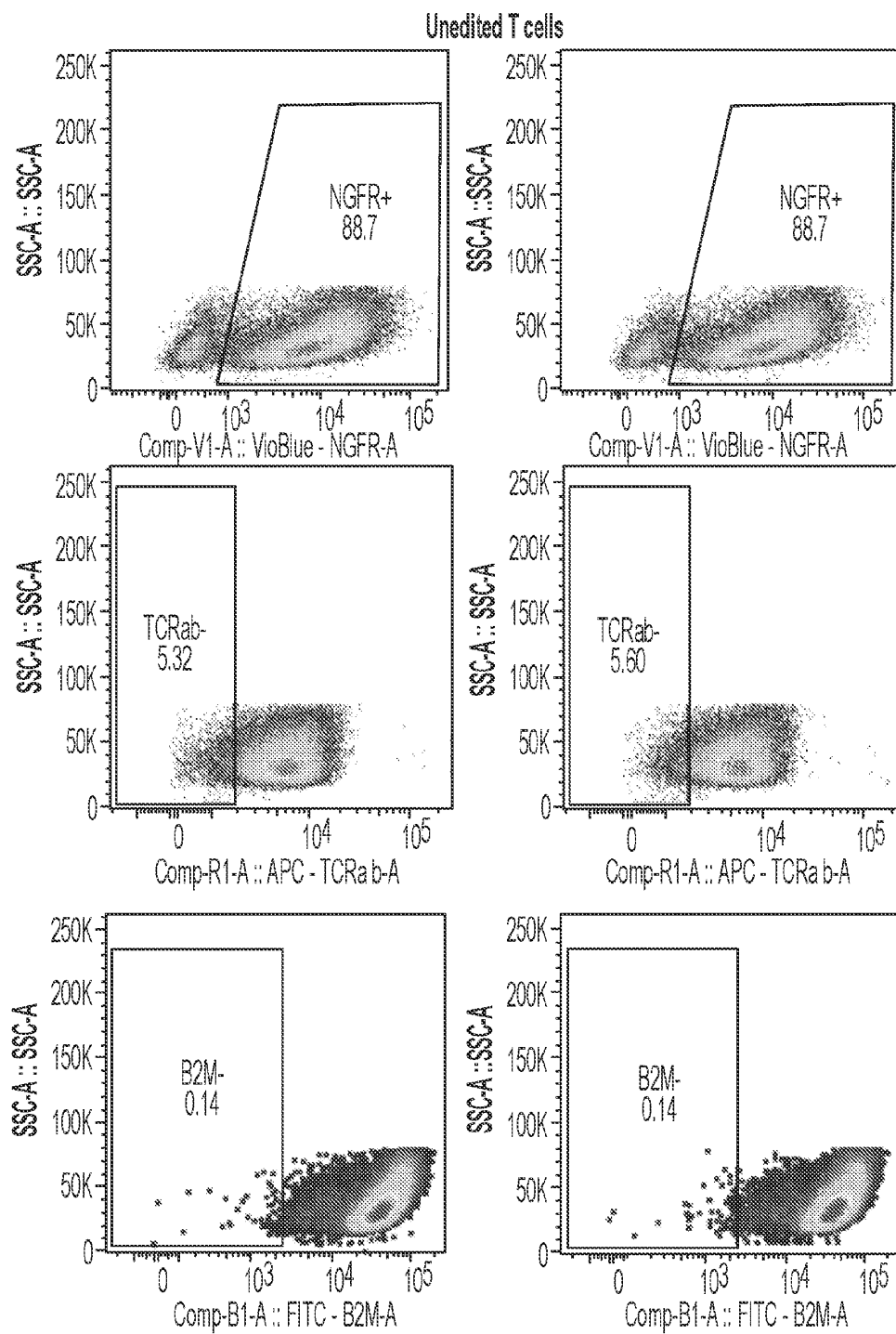
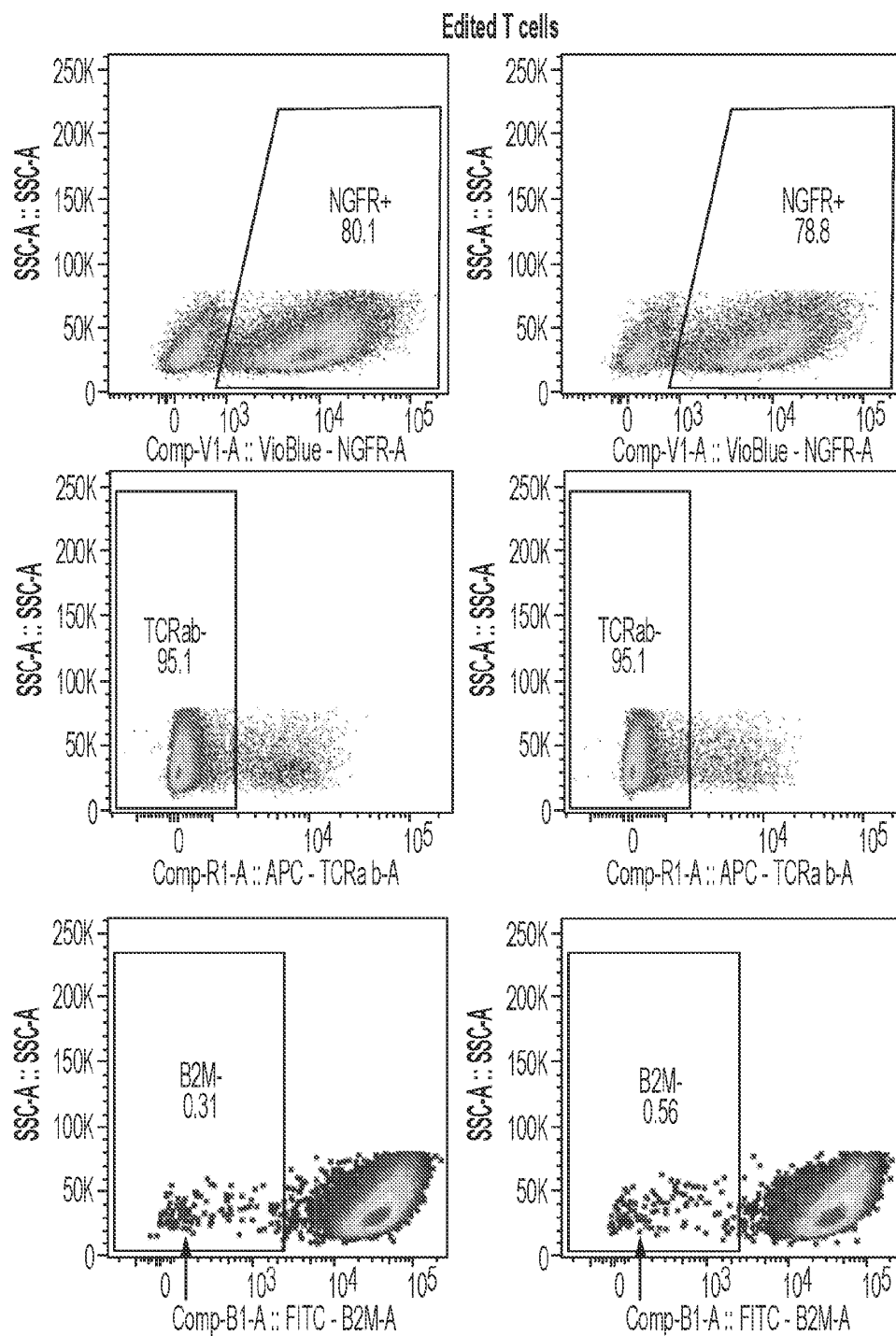


FIG. 23 (CONTINUED)

**FIG. 23 (CONTINUED)**

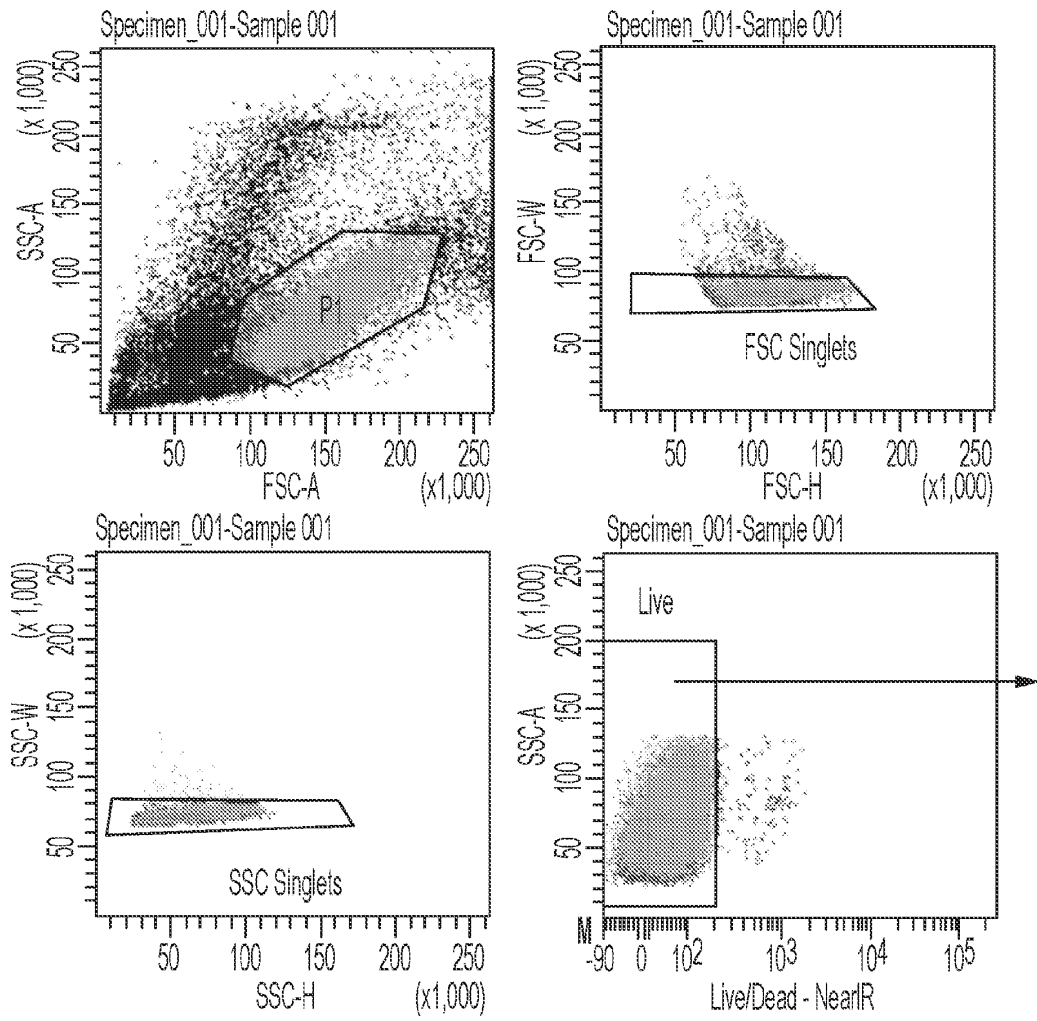


FIG. 24

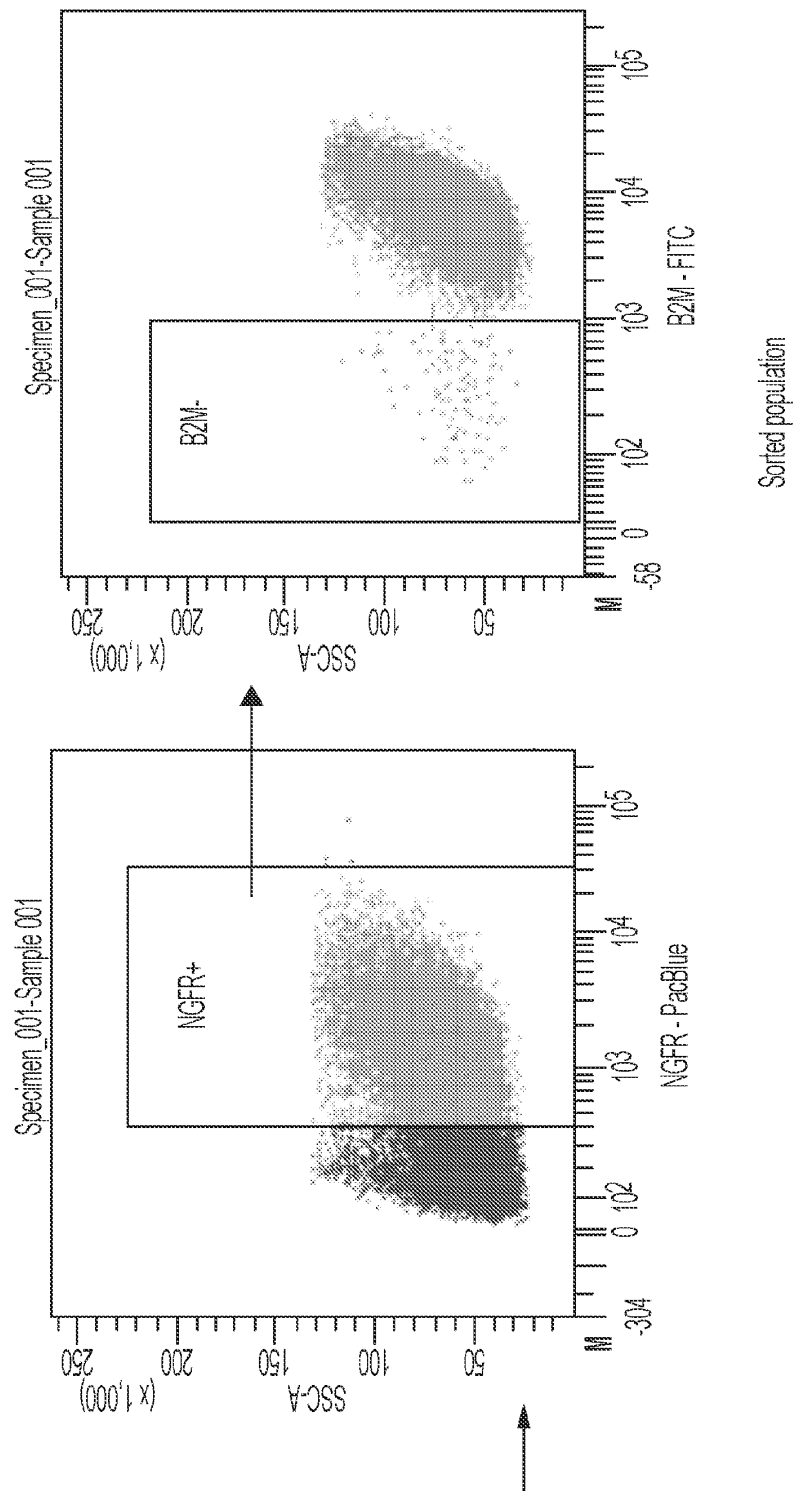
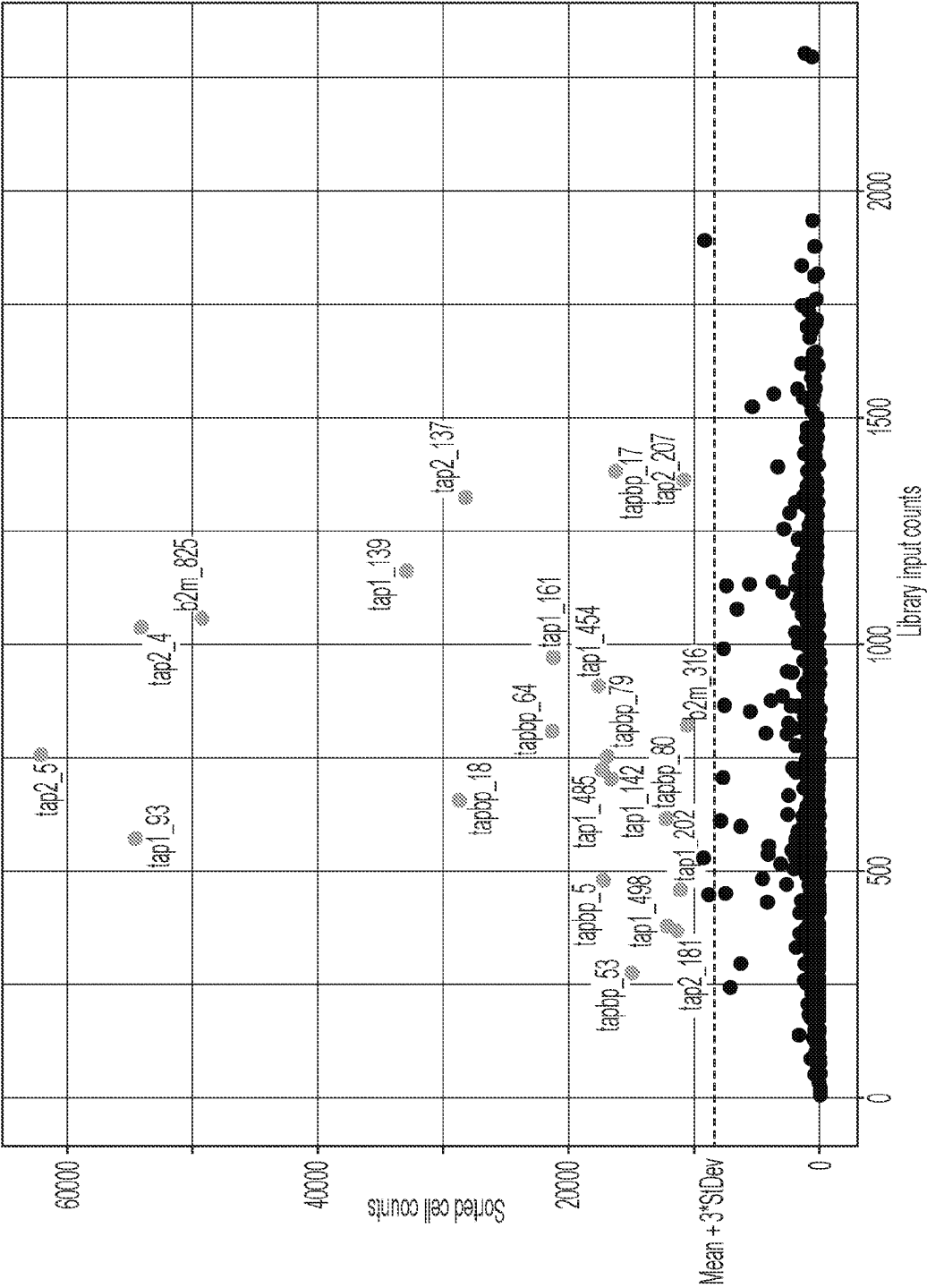


FIG. 24 (CONTINUED)

FIG. 25



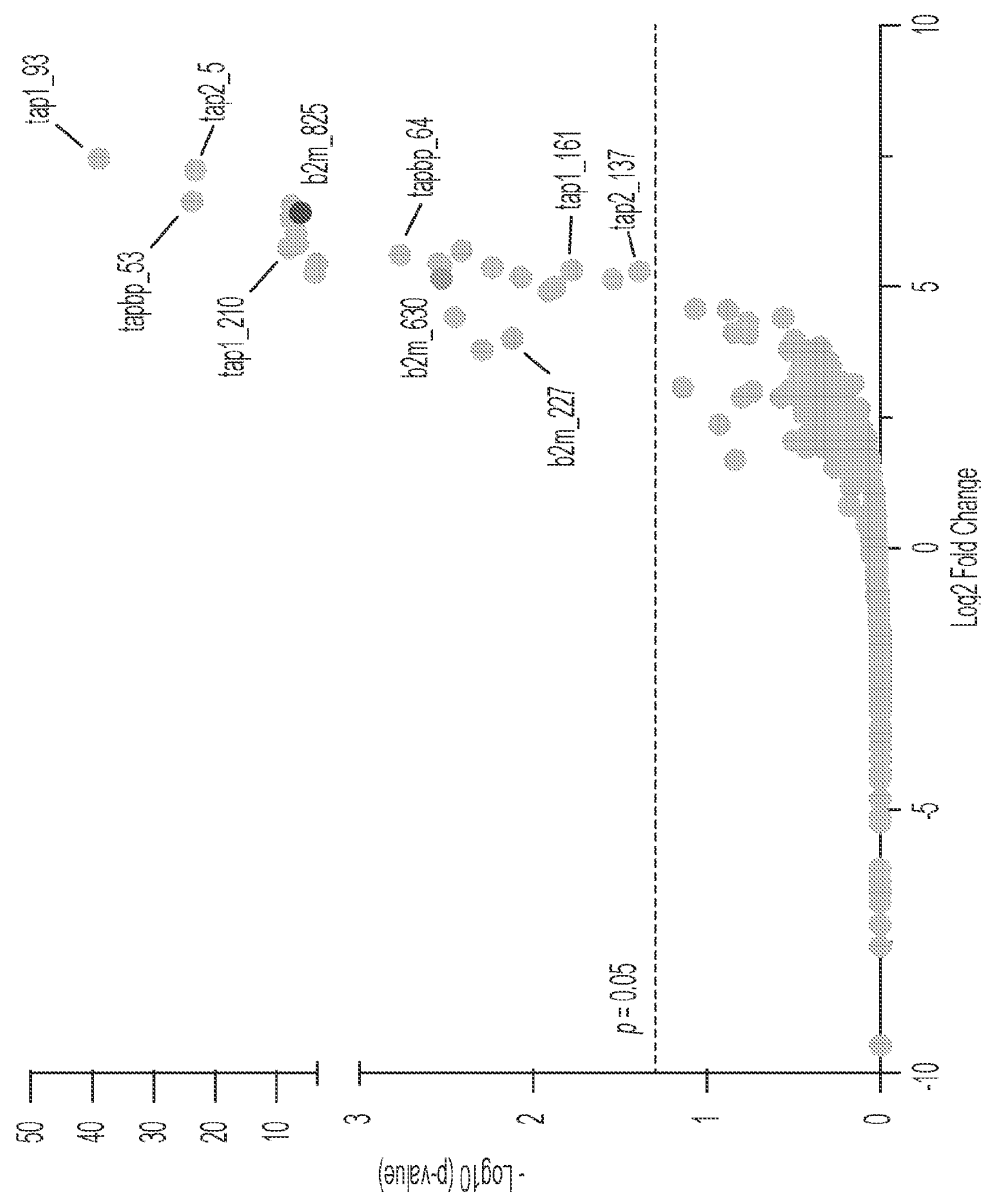


FIG. 26

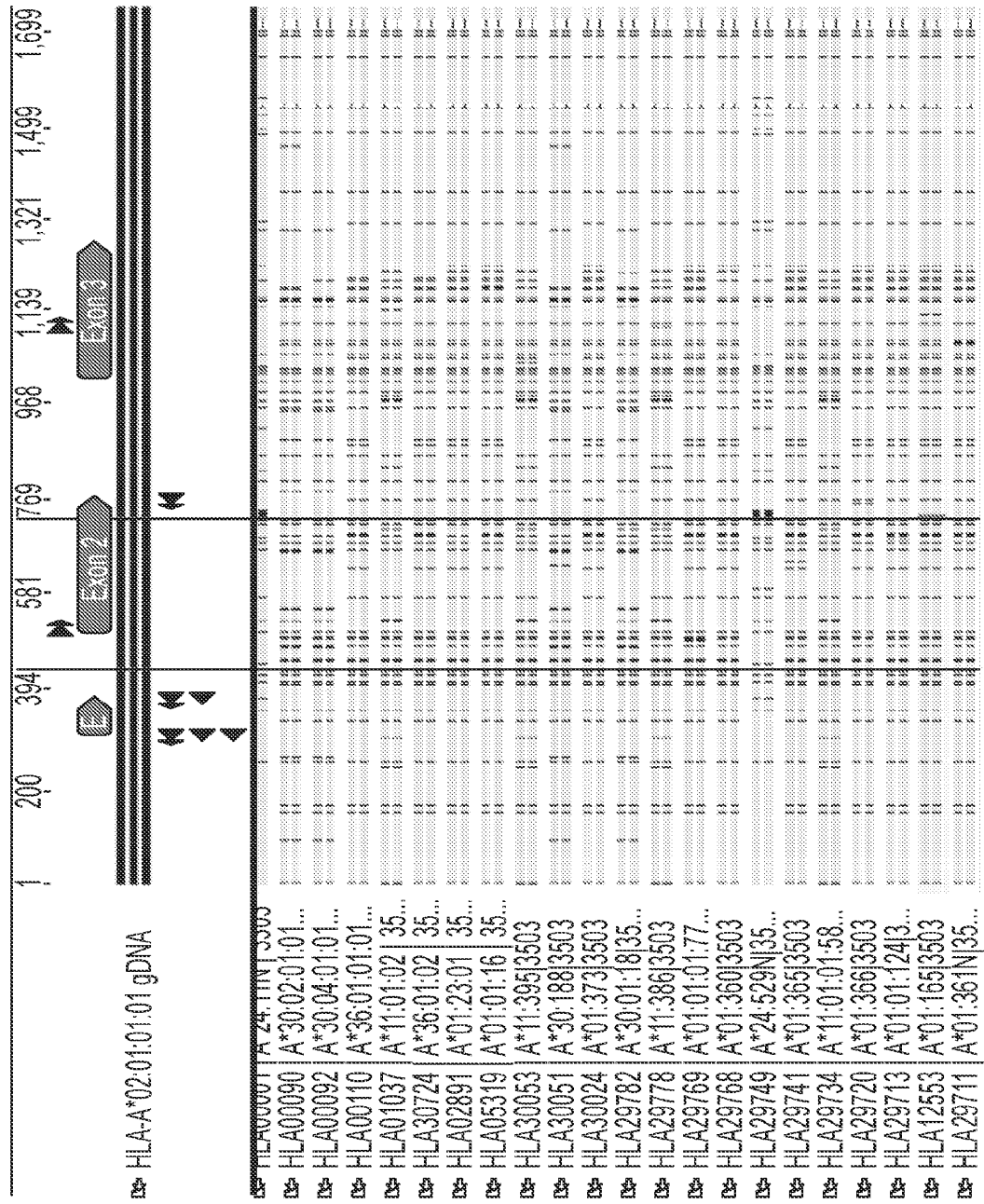


FIG. 27

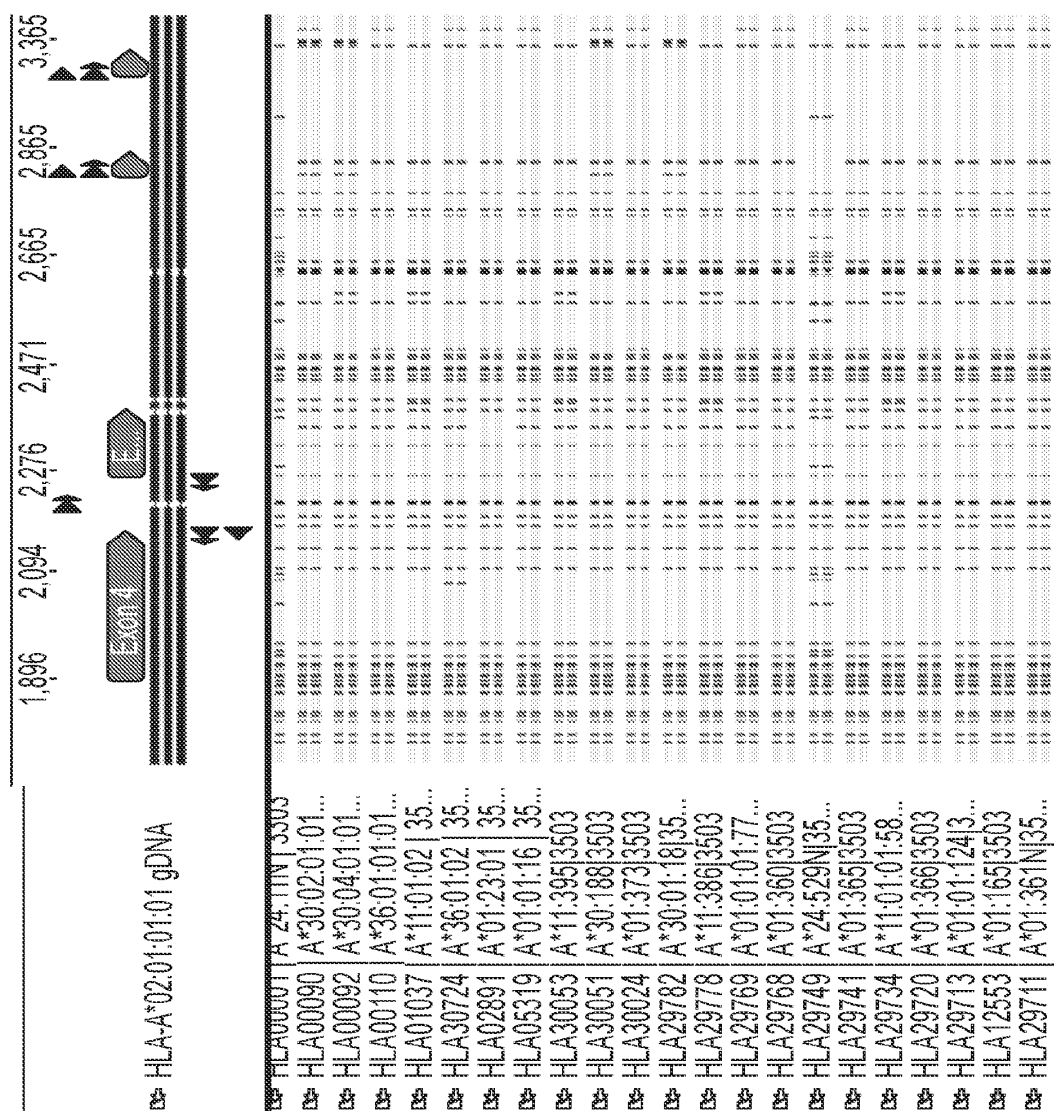


FIG. 27 (CONTINUED)

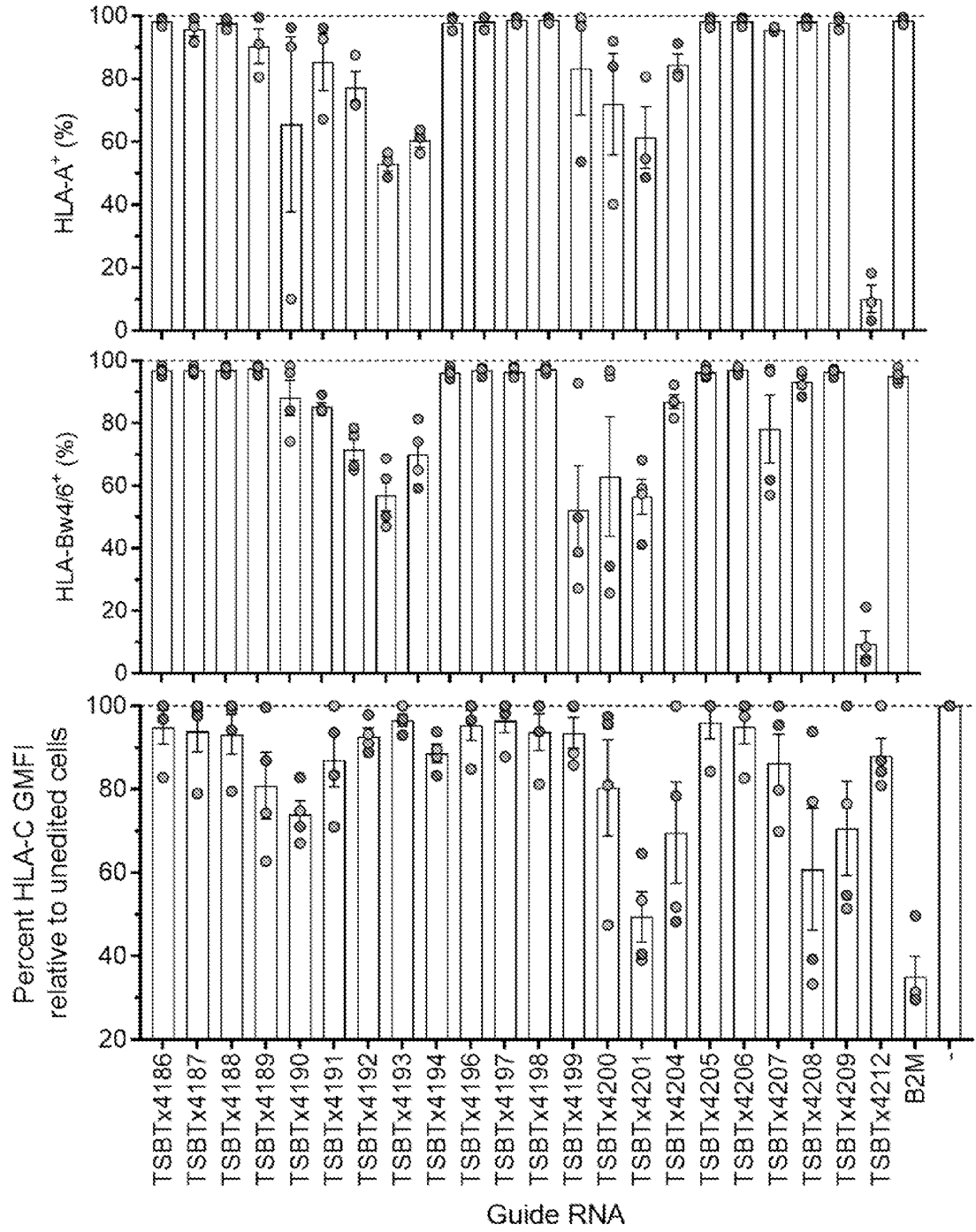


FIG. 28A

HLA-A	HLA-B	HLA-C
D270202		
02:01	35:01	04:01
02:01	35:12	04:01
D41500		
11:01:01	44:02:01	05:01:01
24:02:01	49:01:01	07:01:01
D43578		
11:01	35:01	04:01
24:02	35:08	04:01
D149358		

FIG. 28B

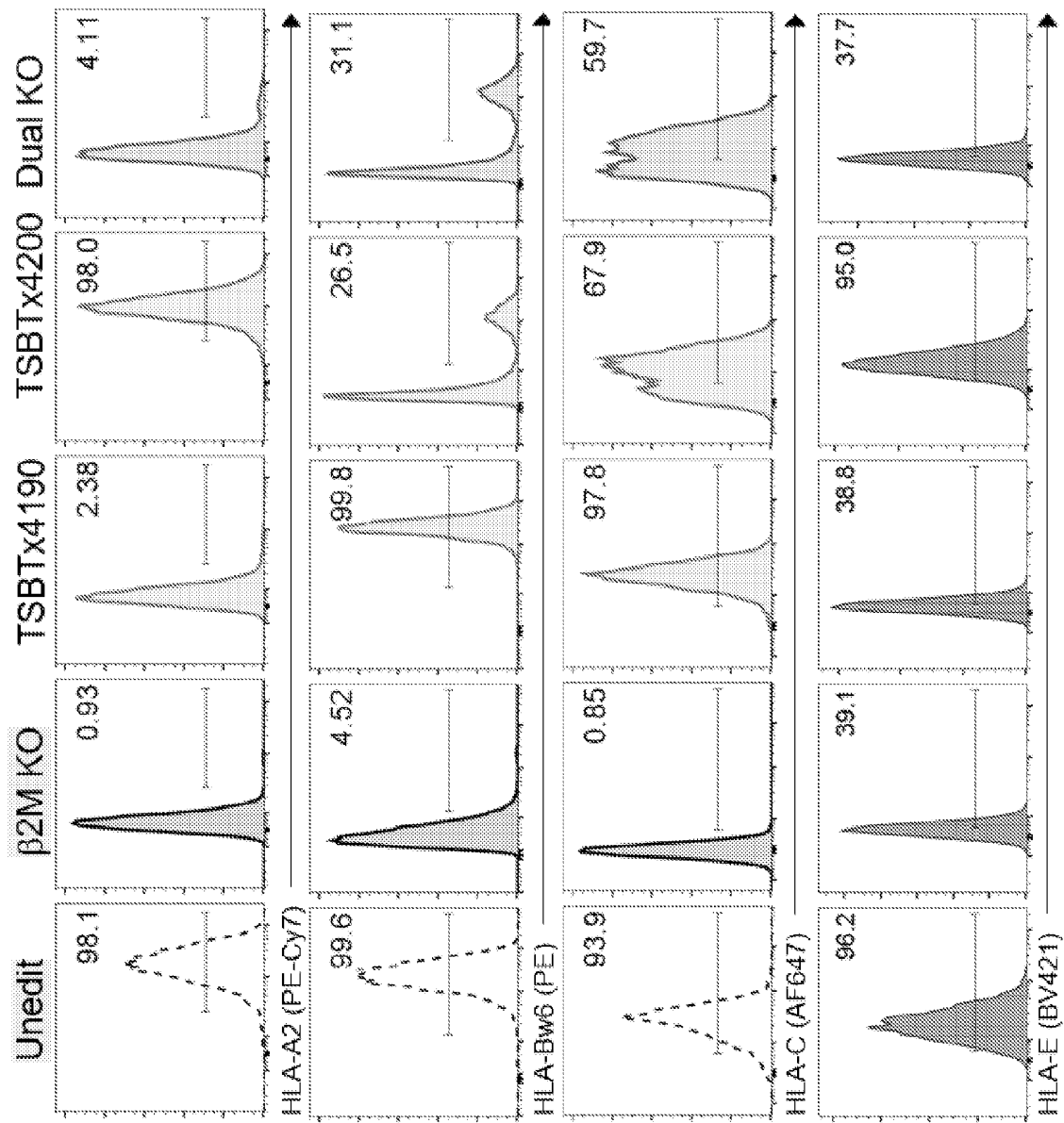


FIG. 29

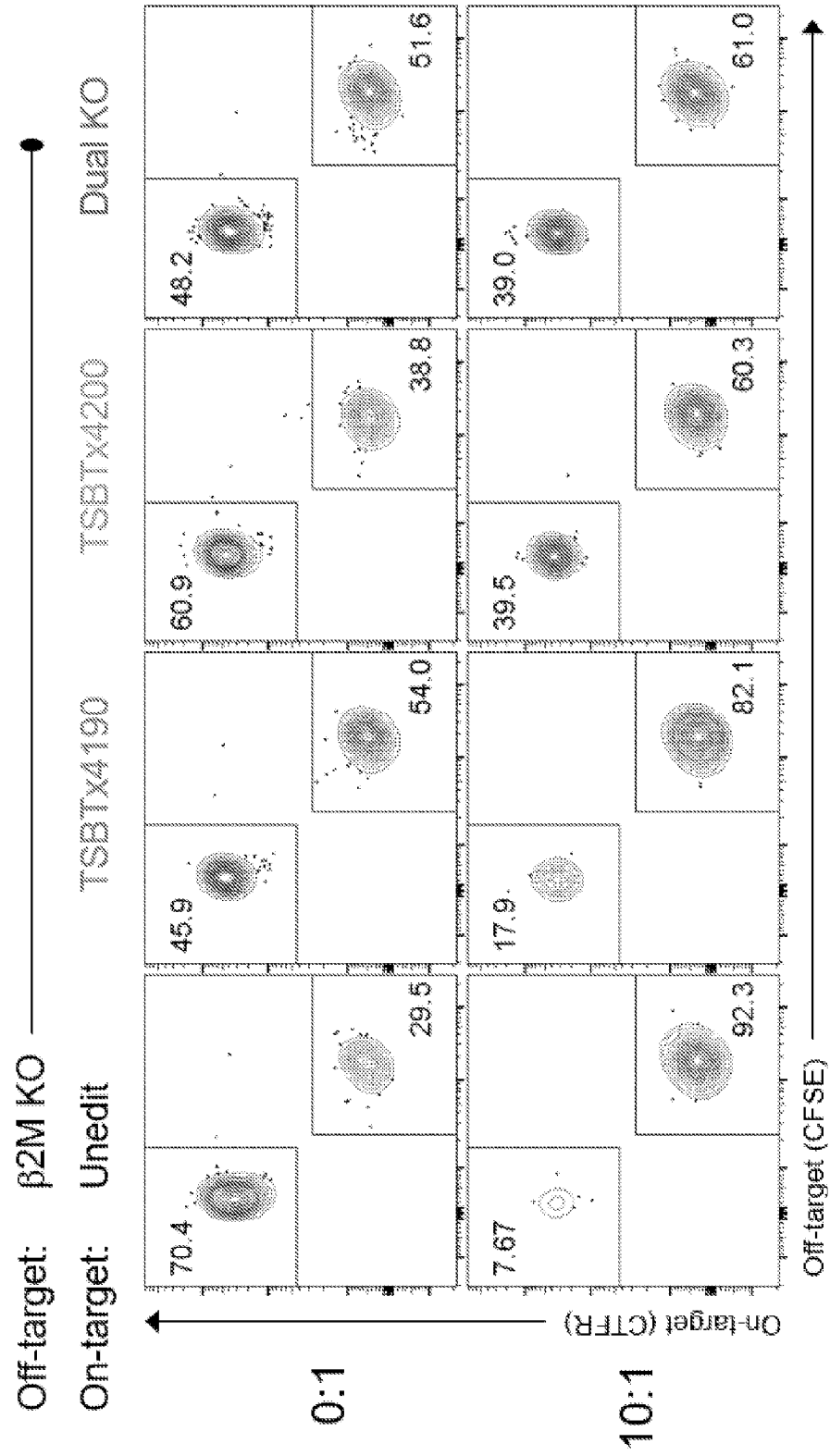


FIG. 30A

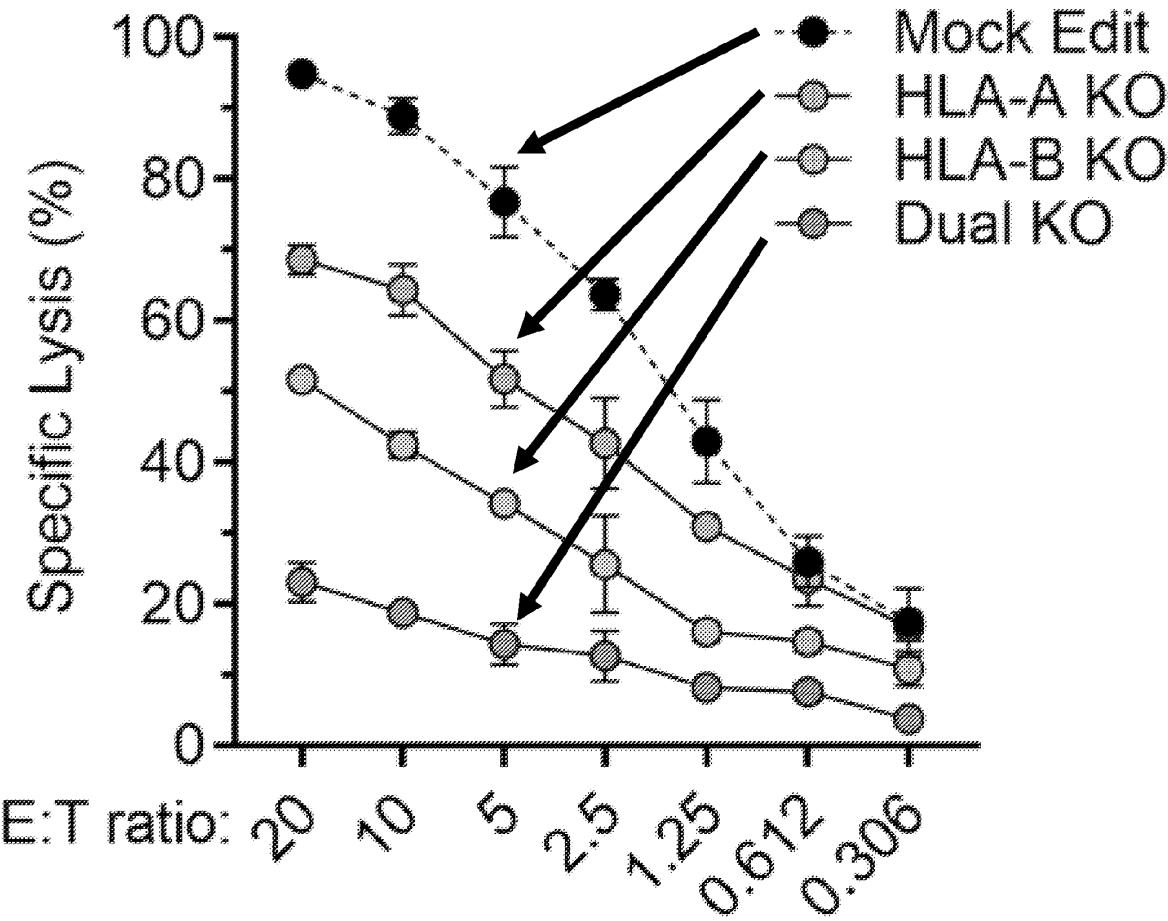


FIG. 30B

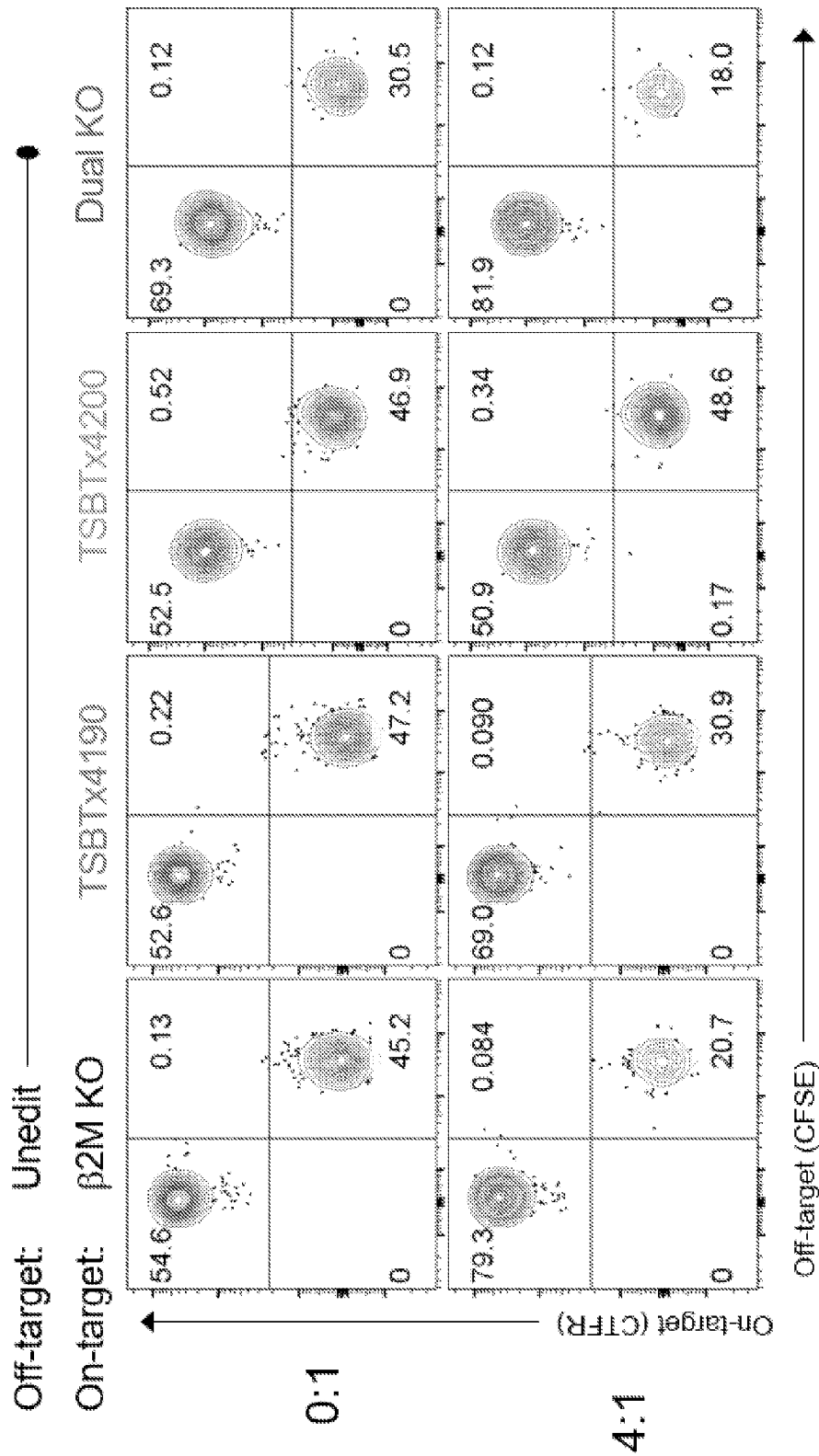


FIG. 31A

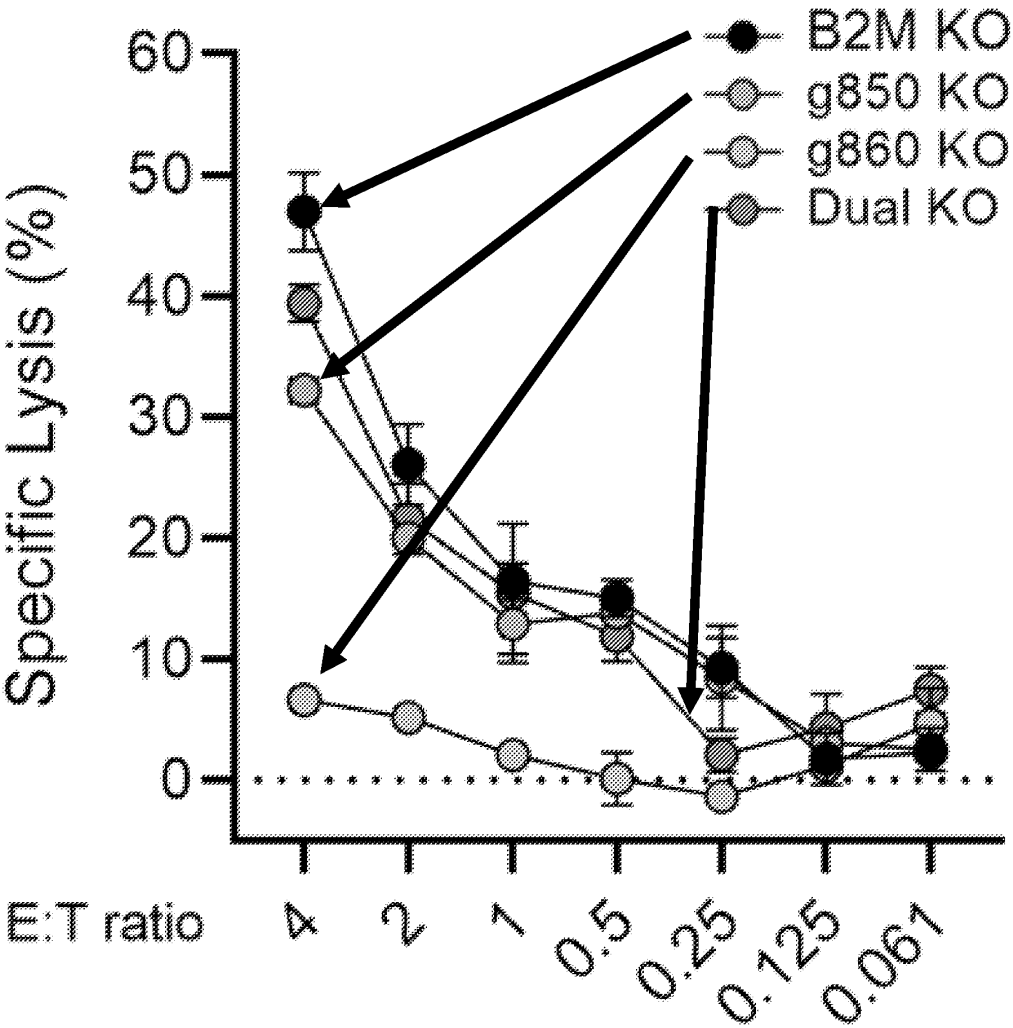


FIG. 31B

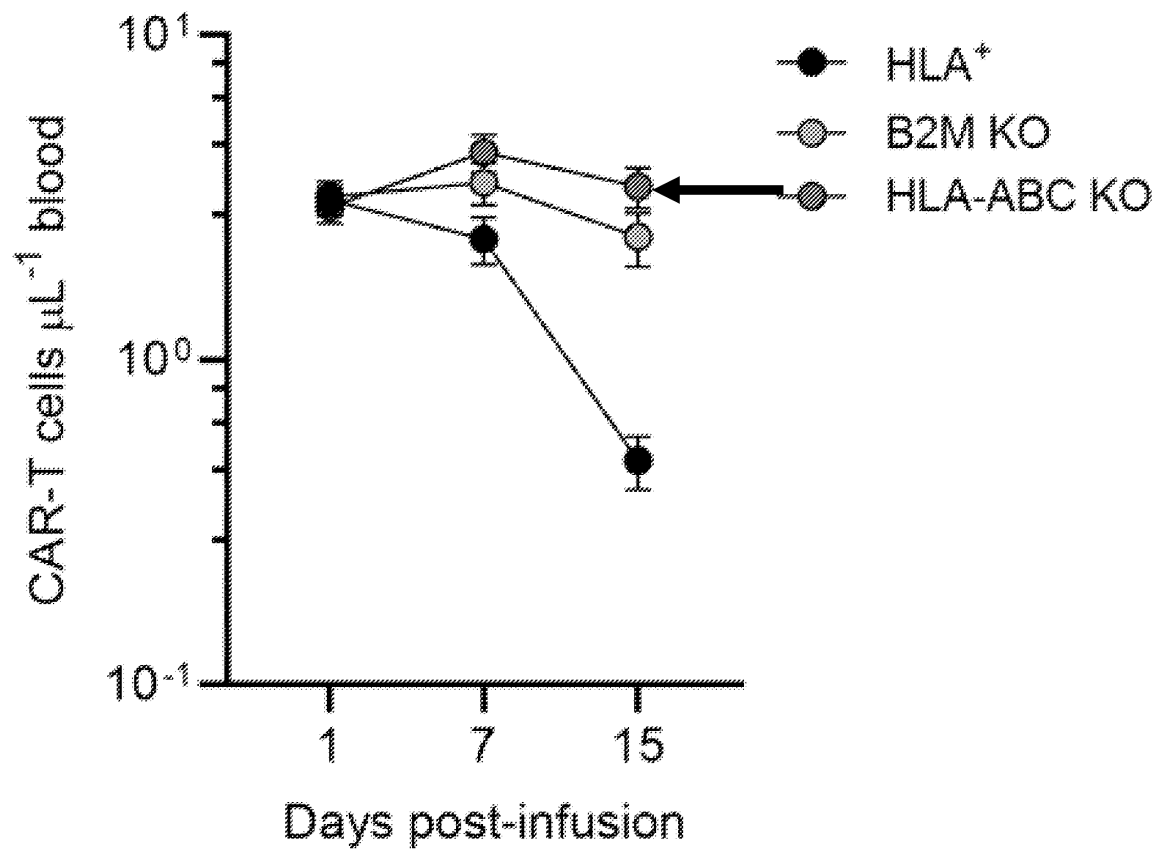


FIG. 32

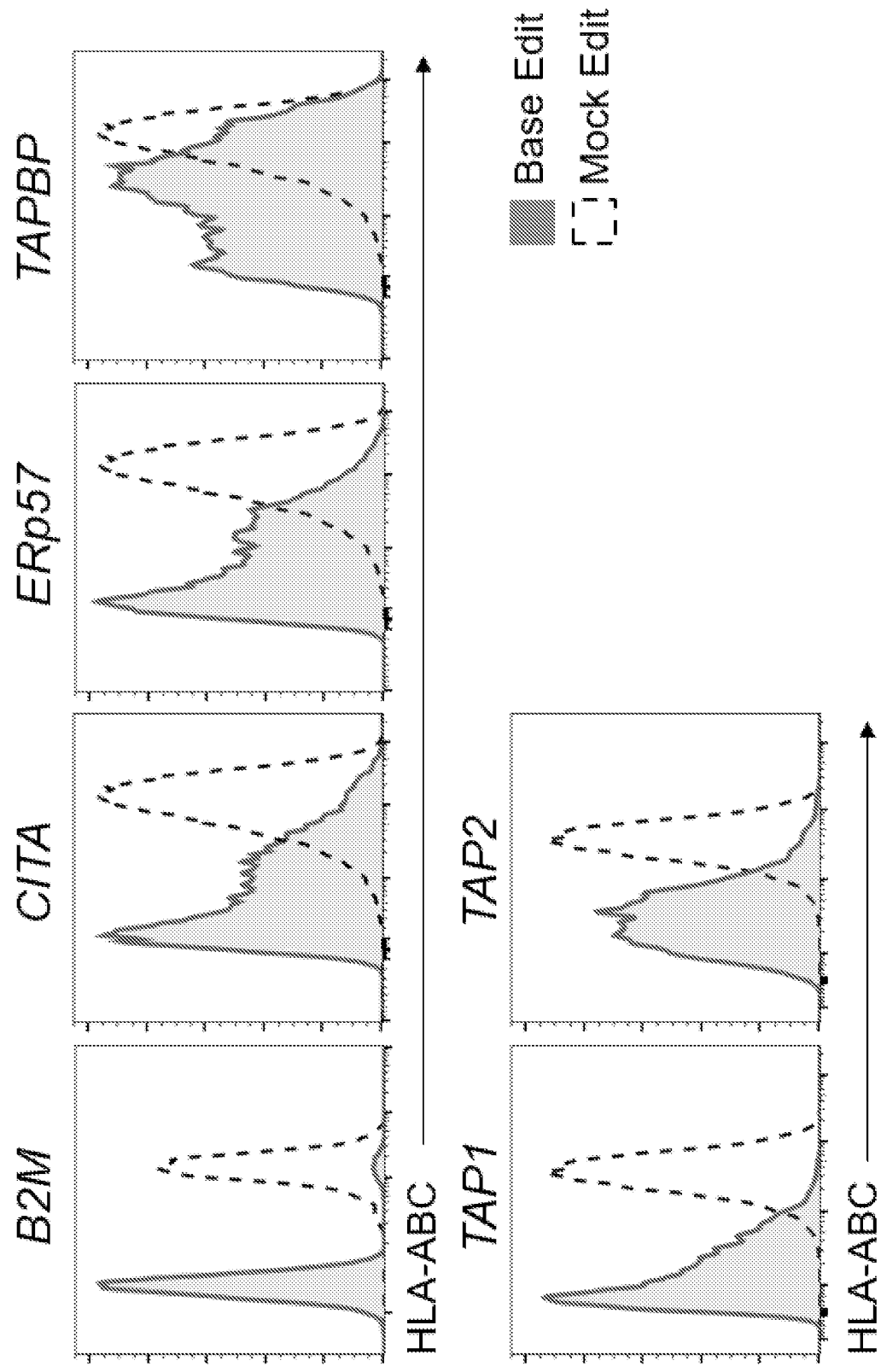
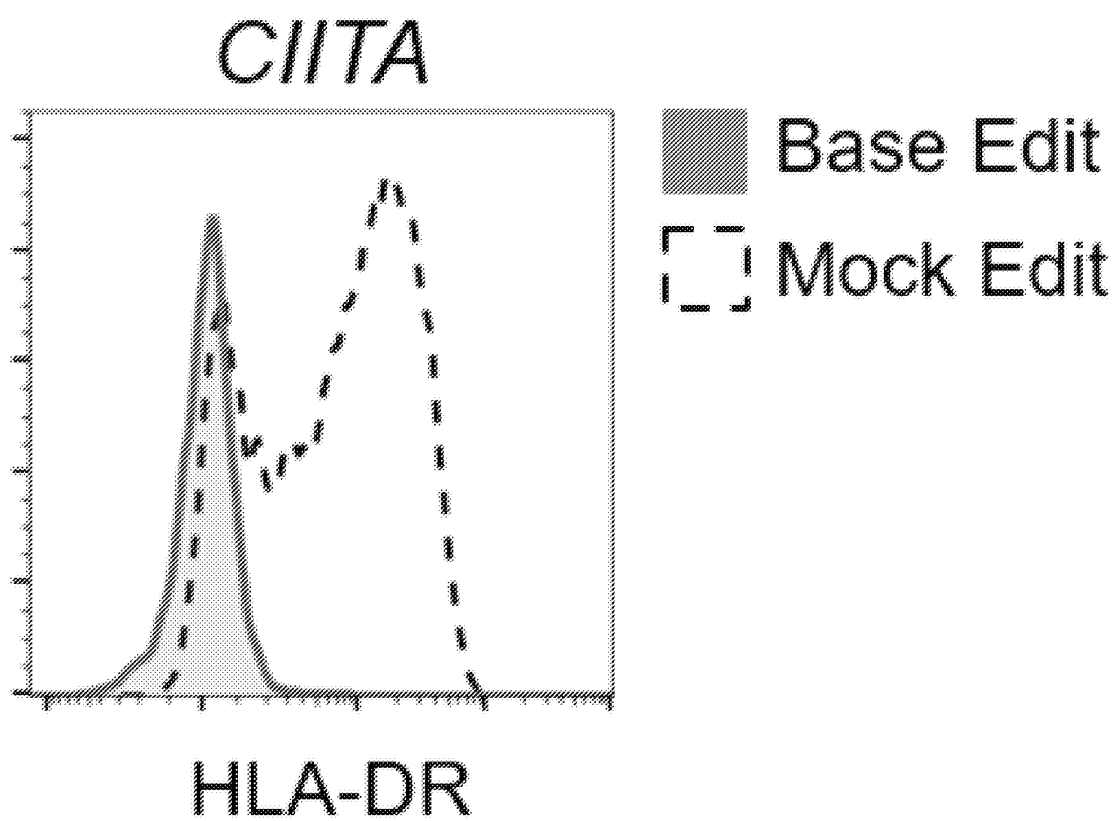


FIG. 33A

**FIG. 33B**

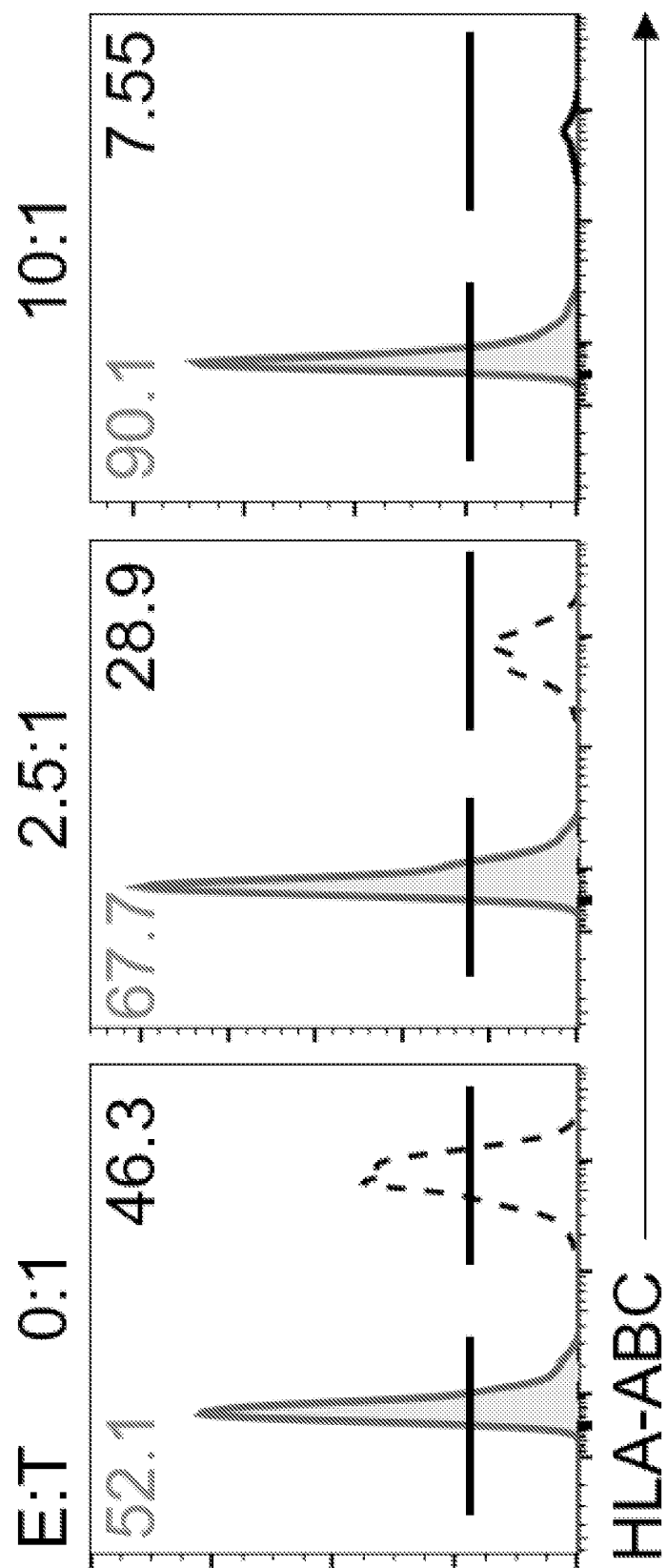


FIG. 33C

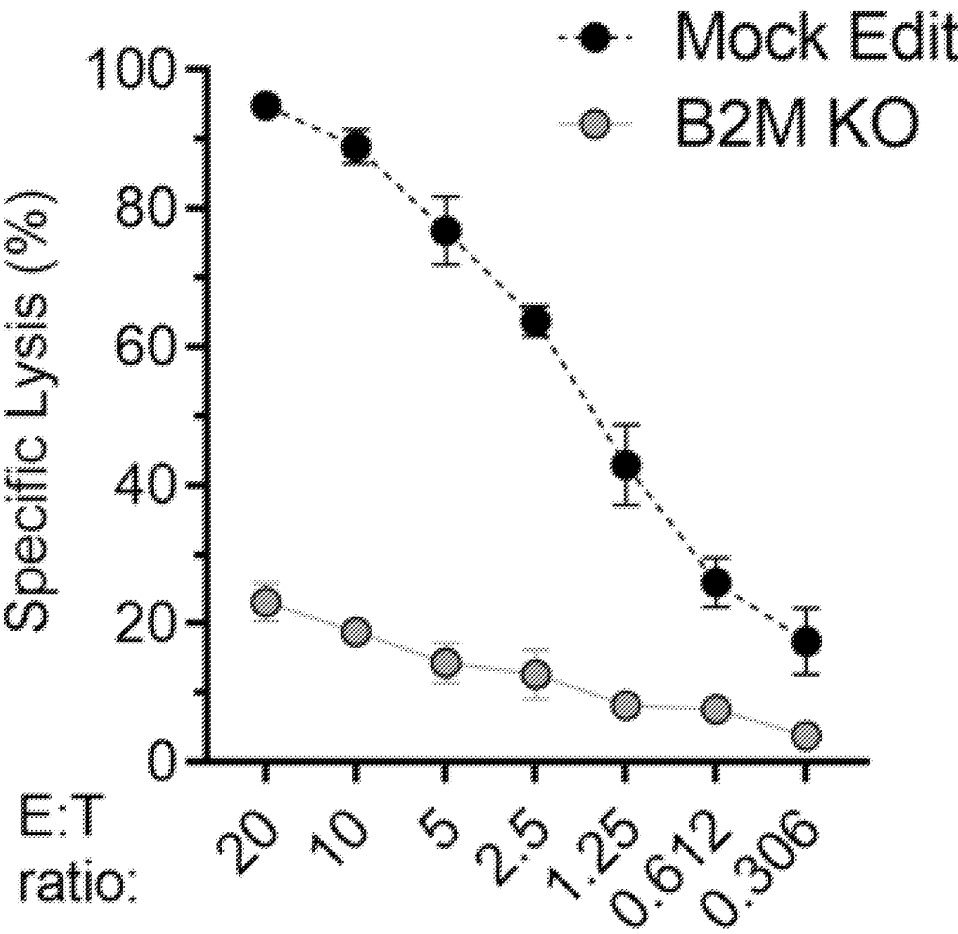


FIG. 33D

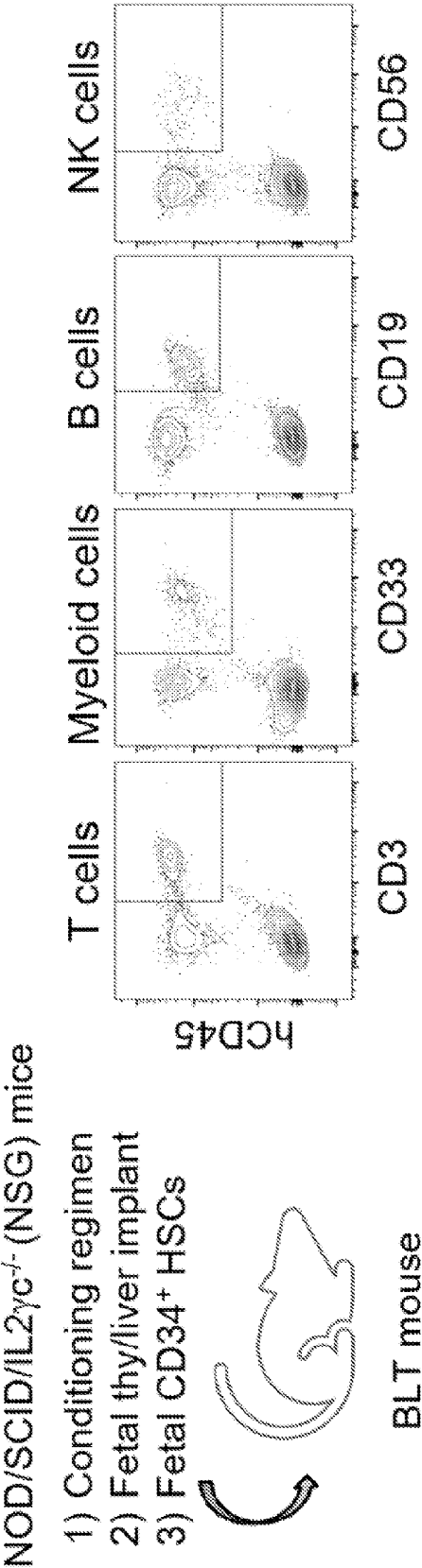


FIG. 34

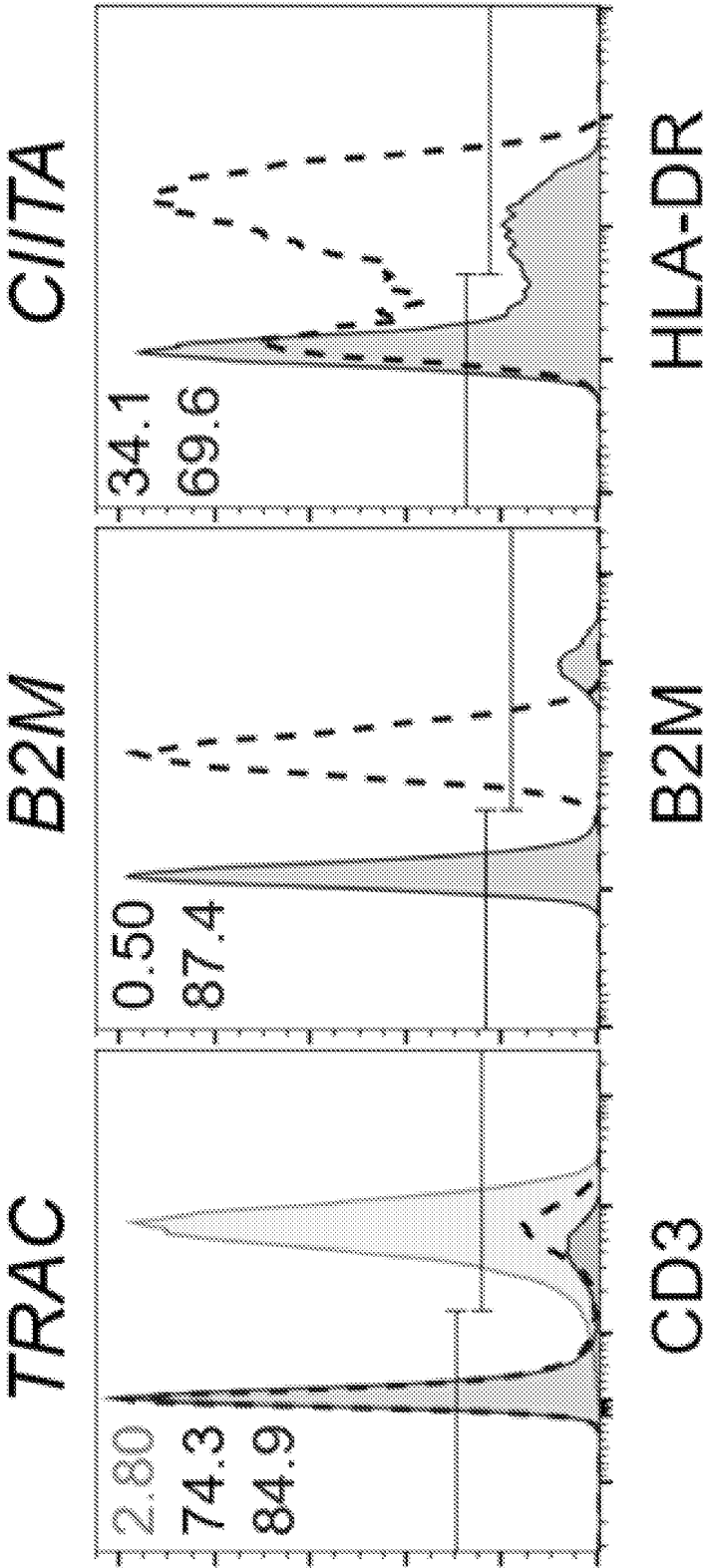


FIG. 35A

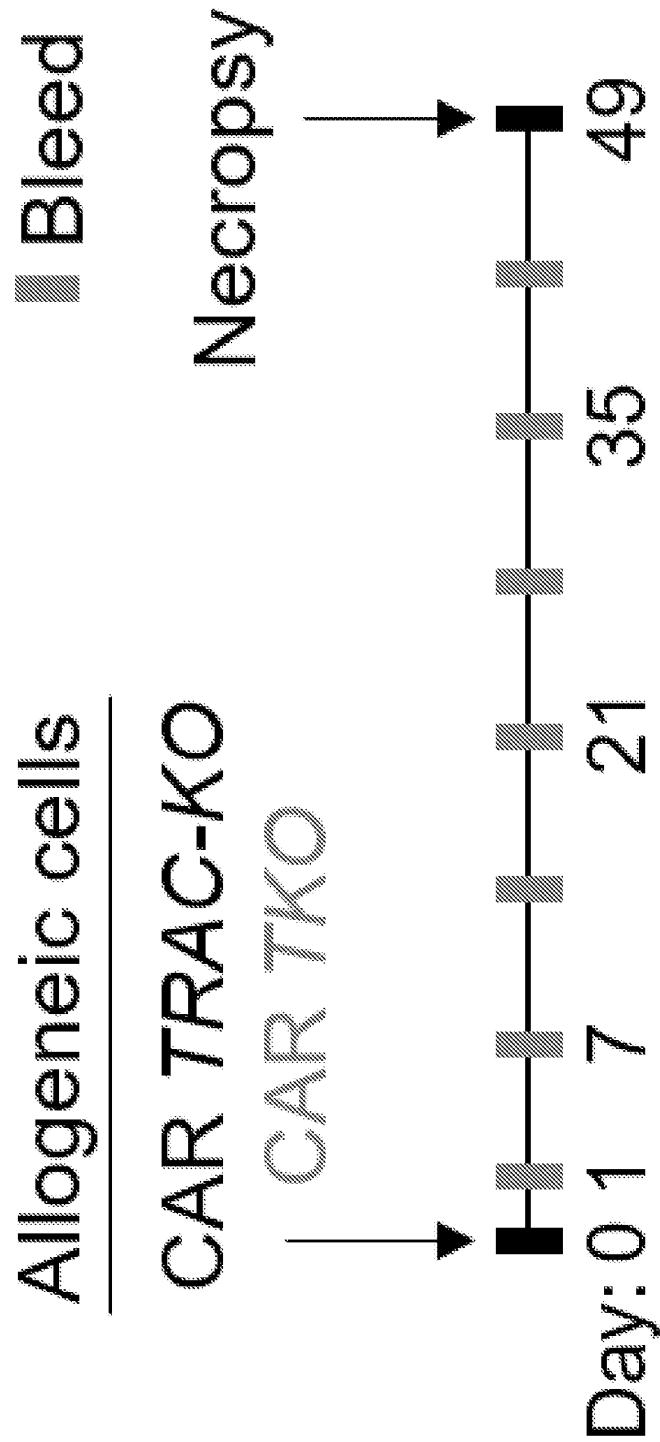


FIG. 35B

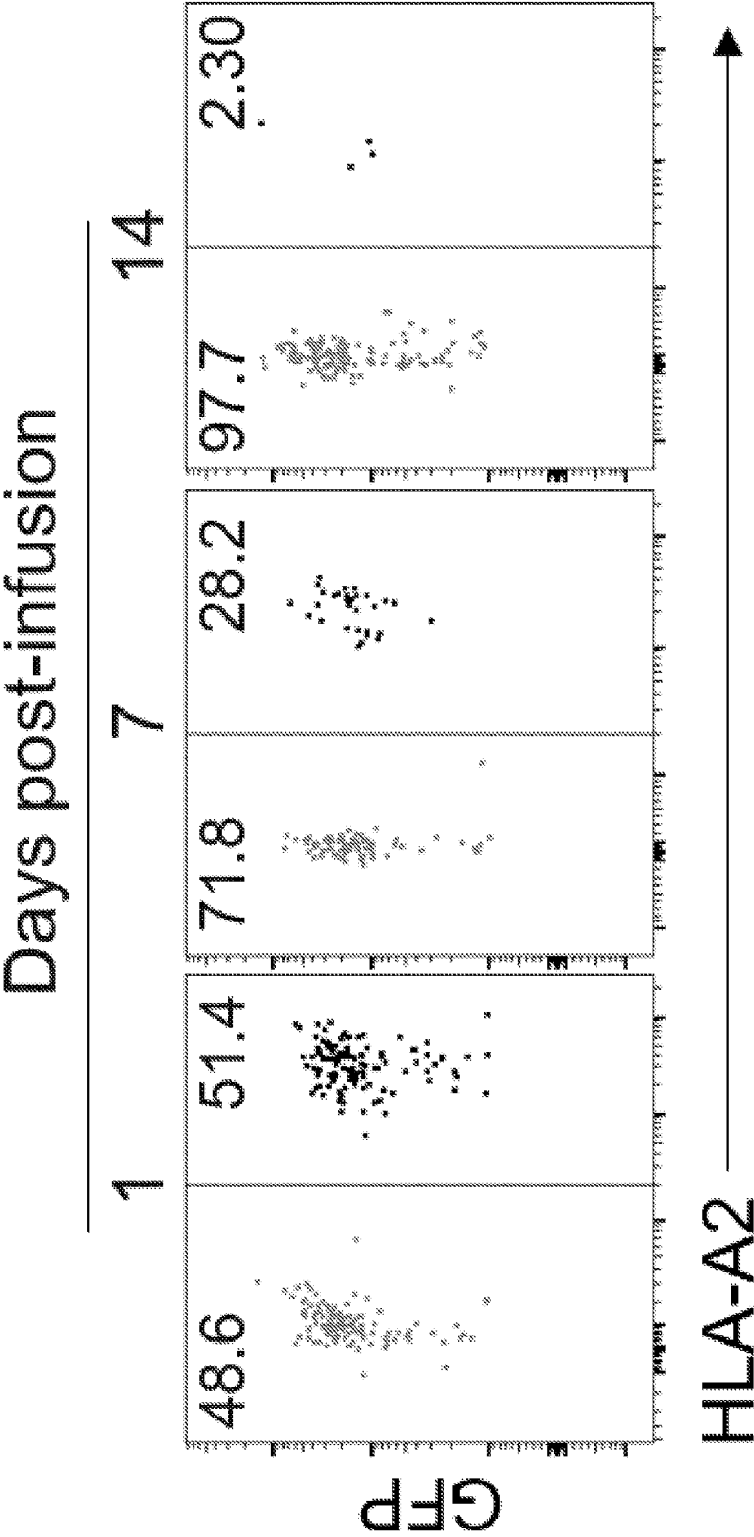


FIG. 35C

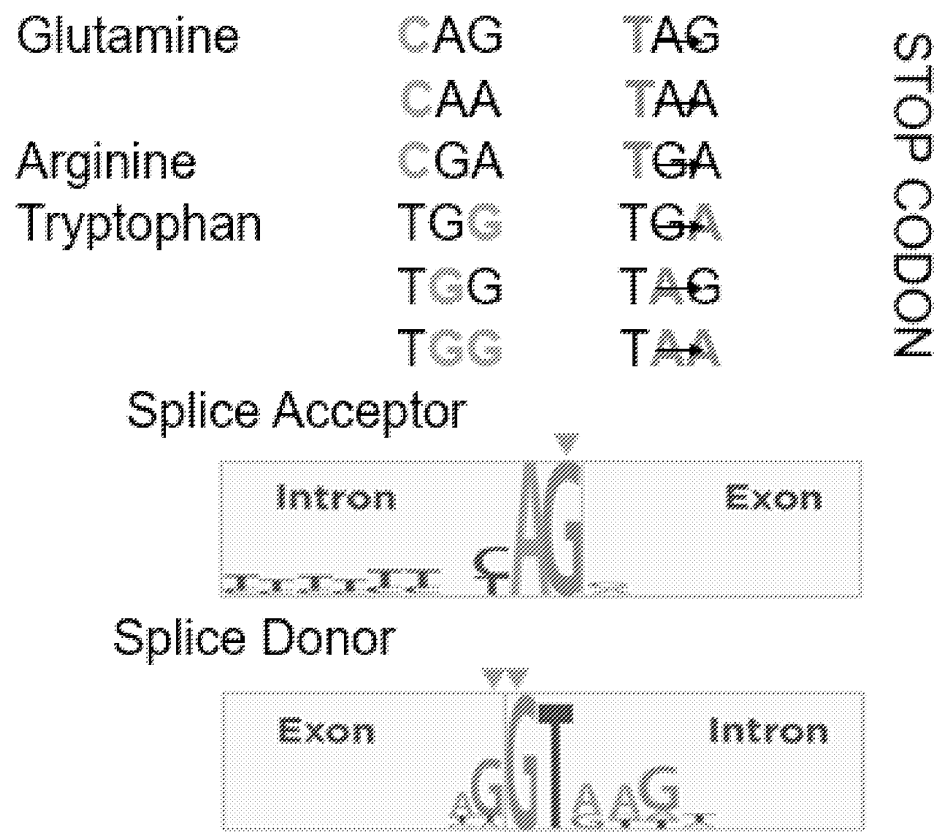


FIG. 36

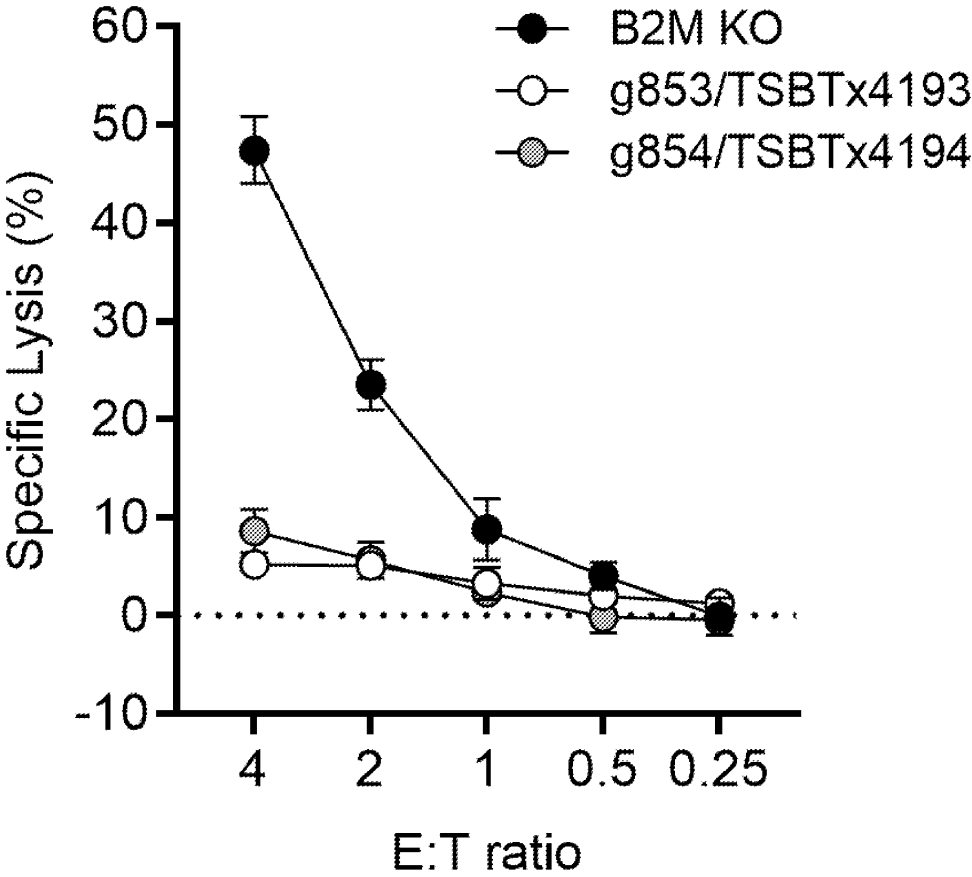
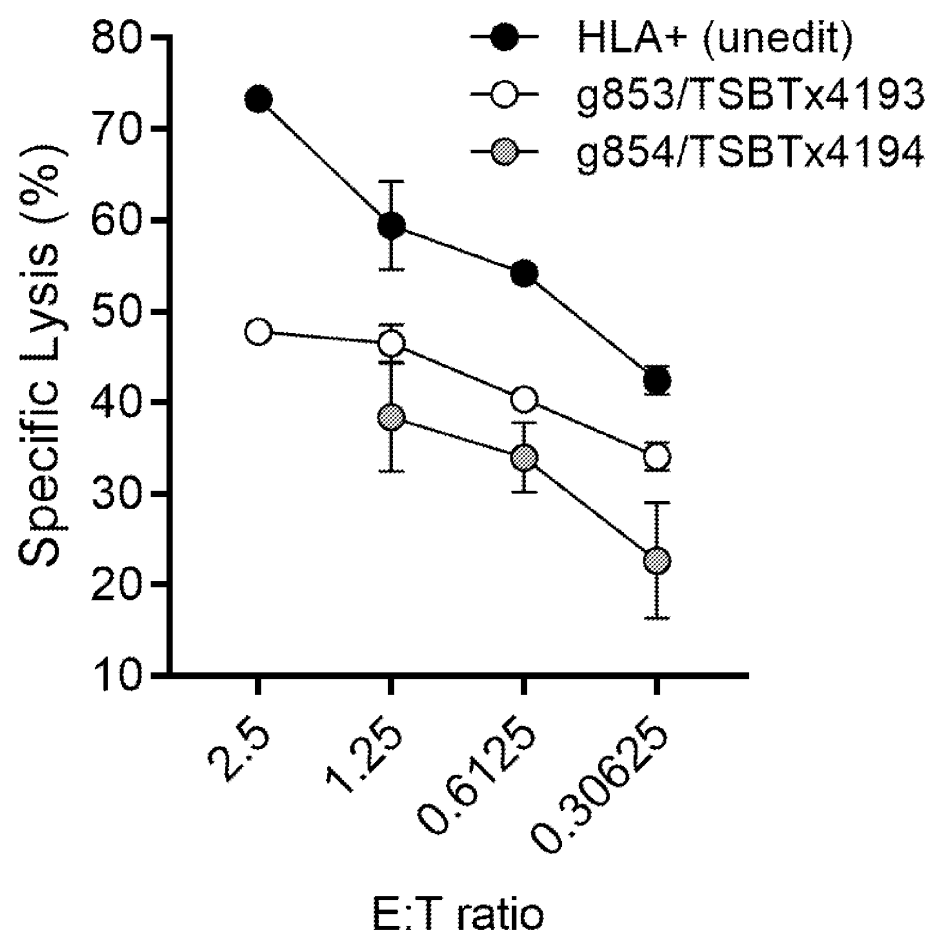


FIG. 37

**FIG. 38**

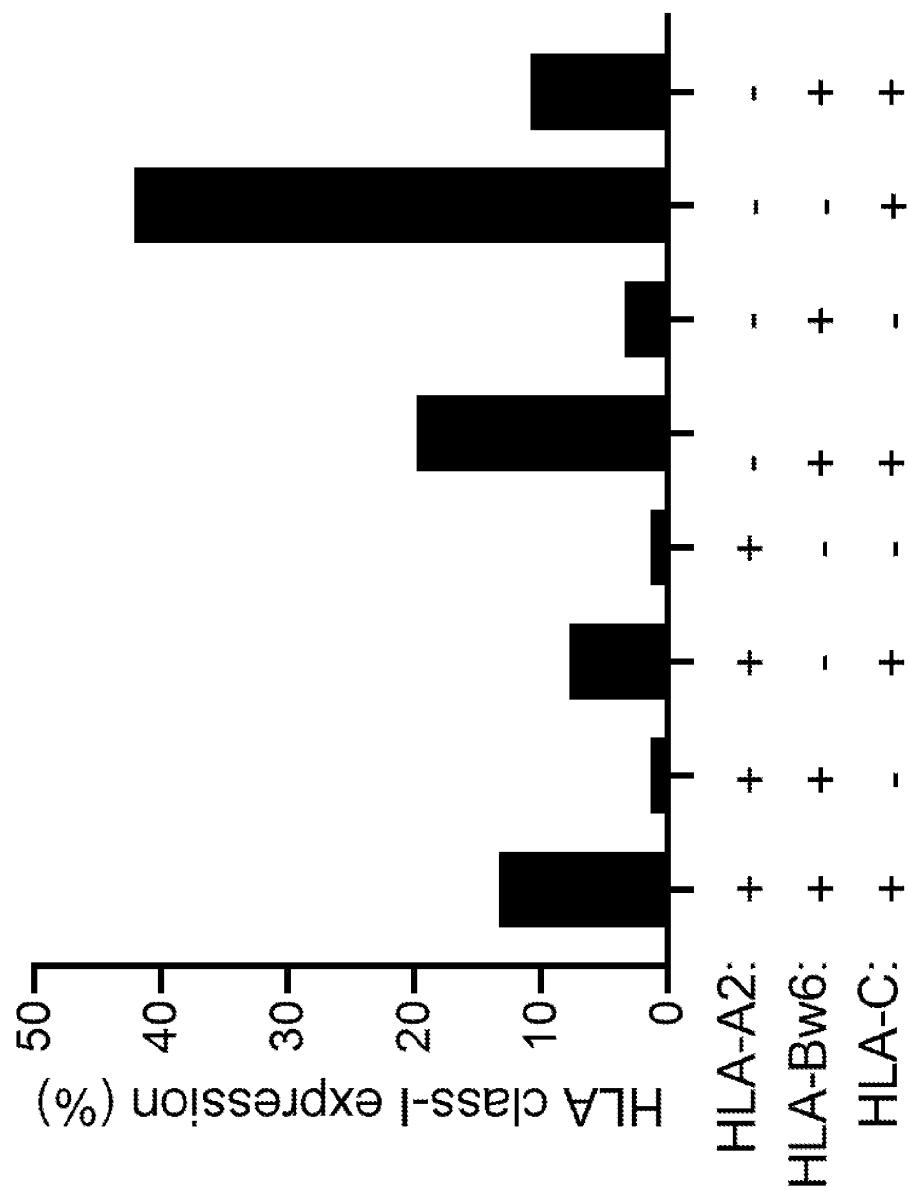


FIG. 39

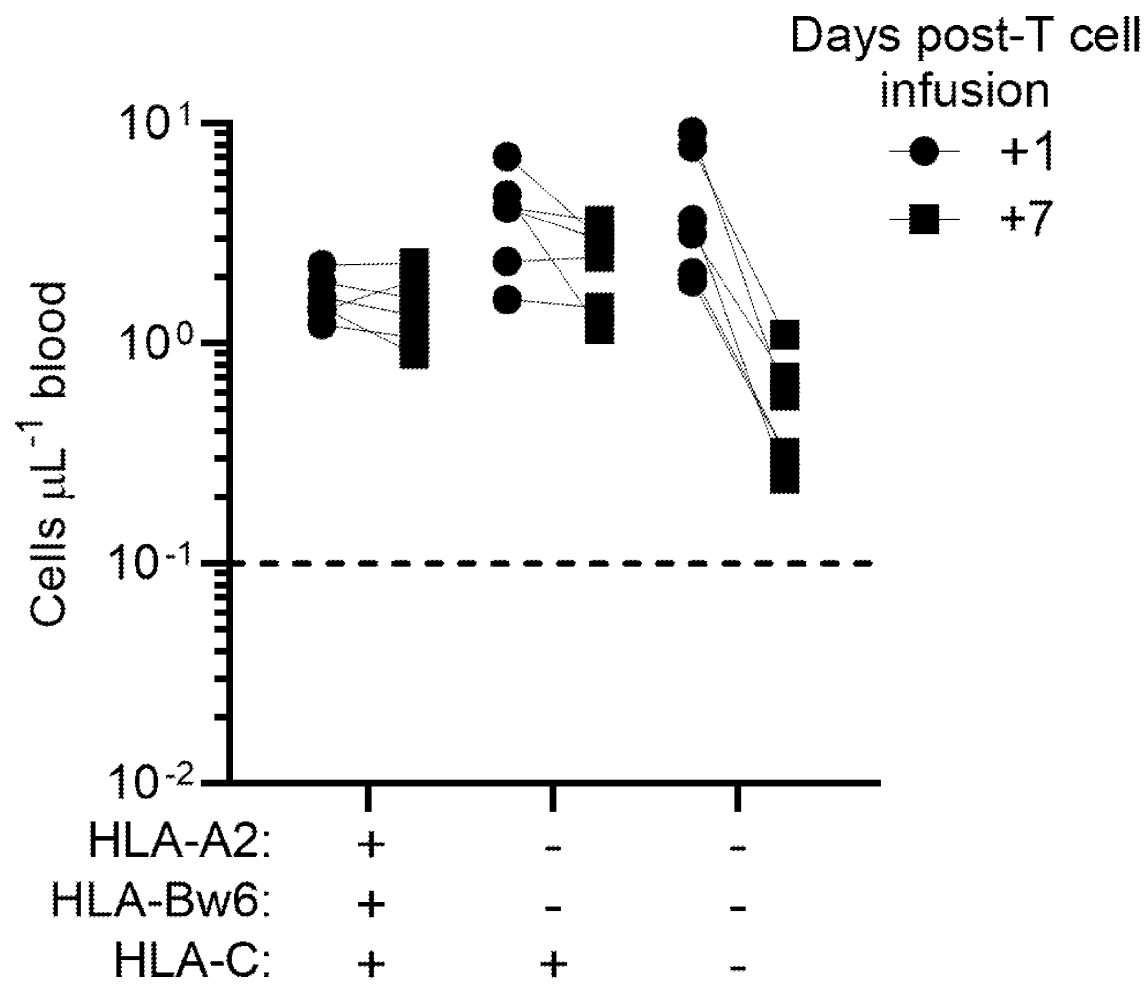


FIG. 40

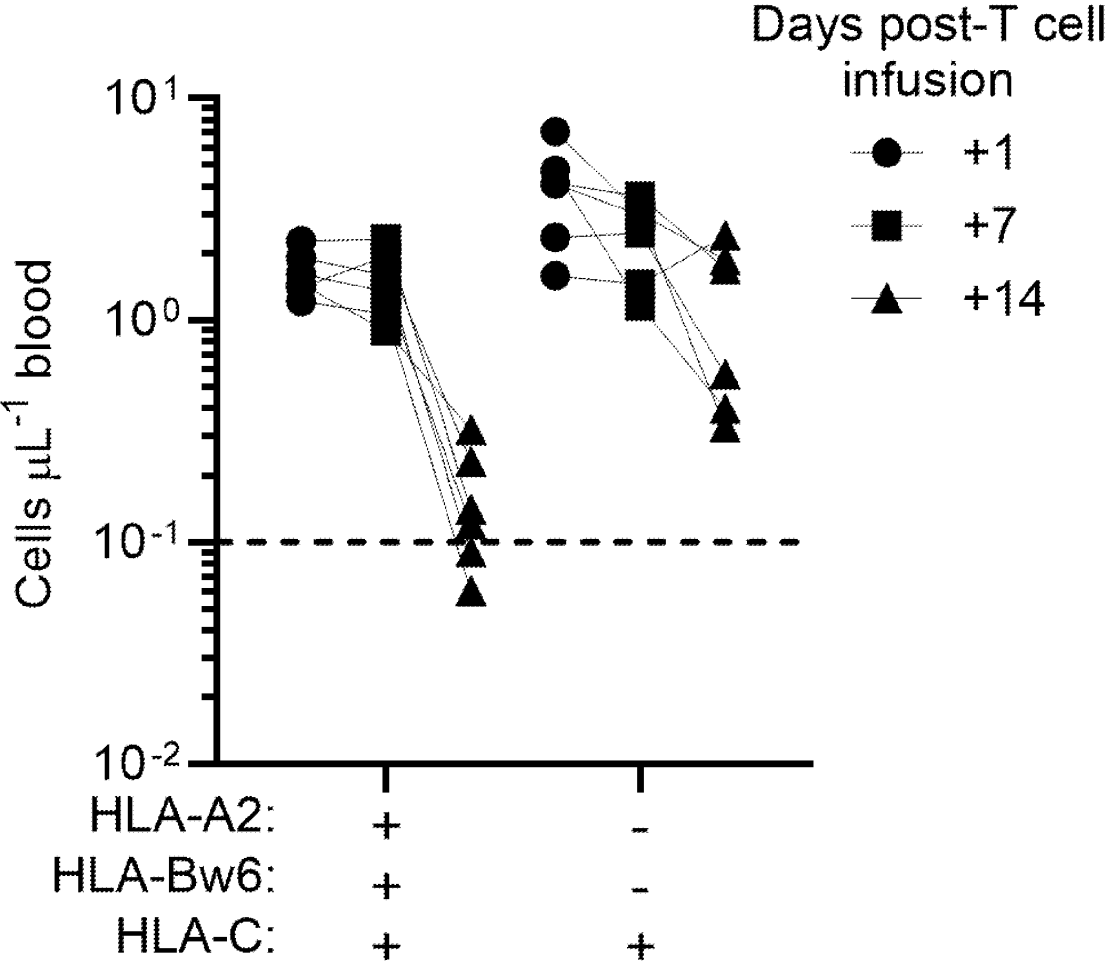


FIG. 41

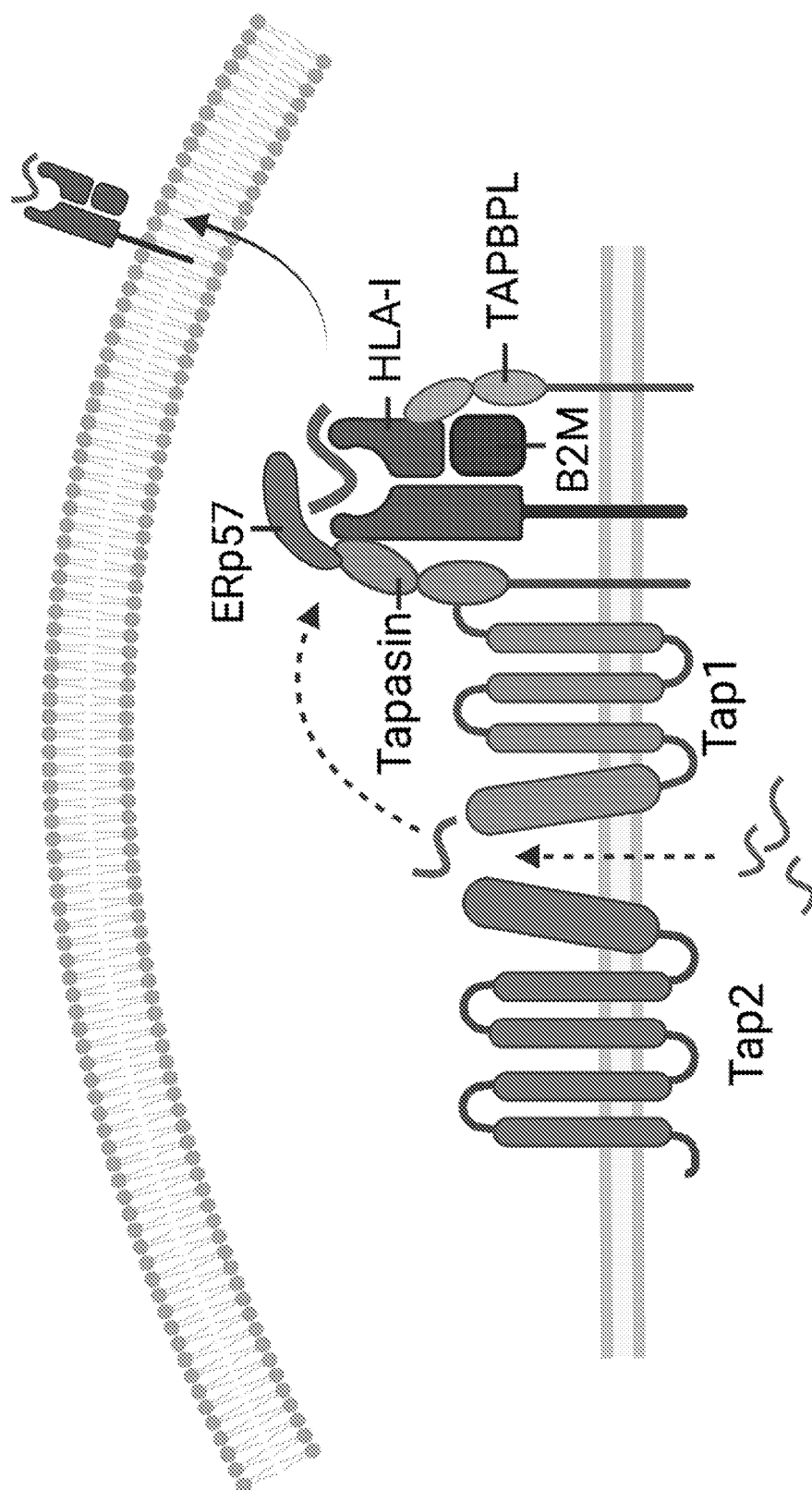


FIG. 42A

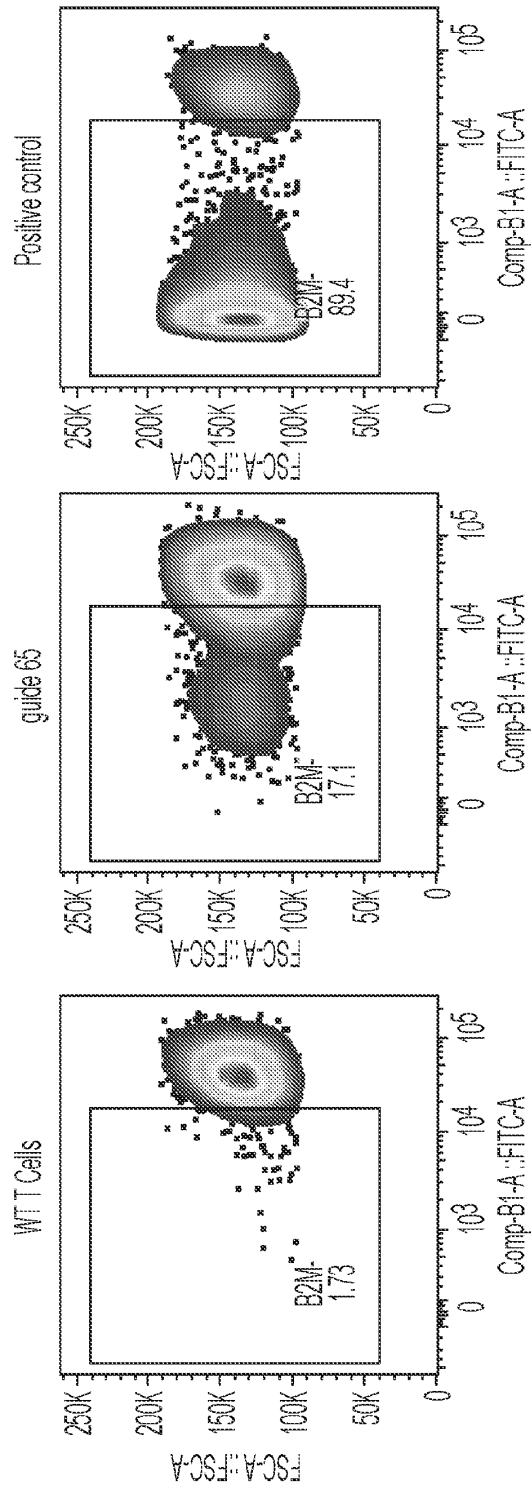


FIG. 42B

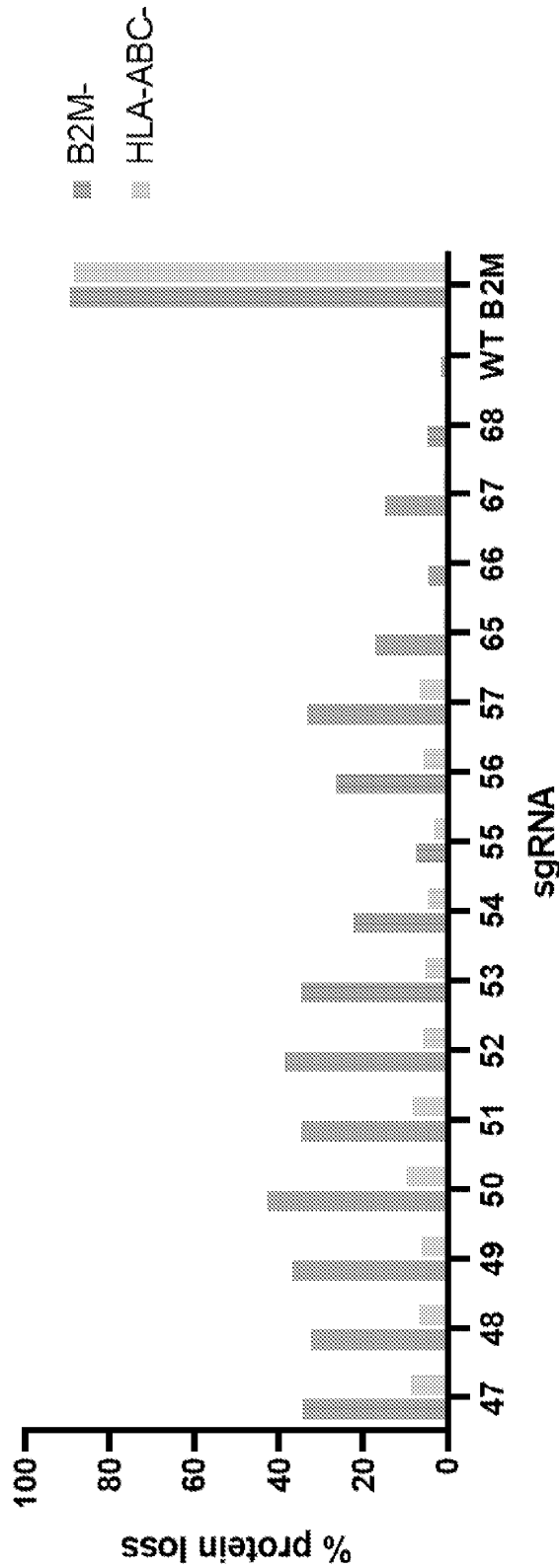


FIG. 42C

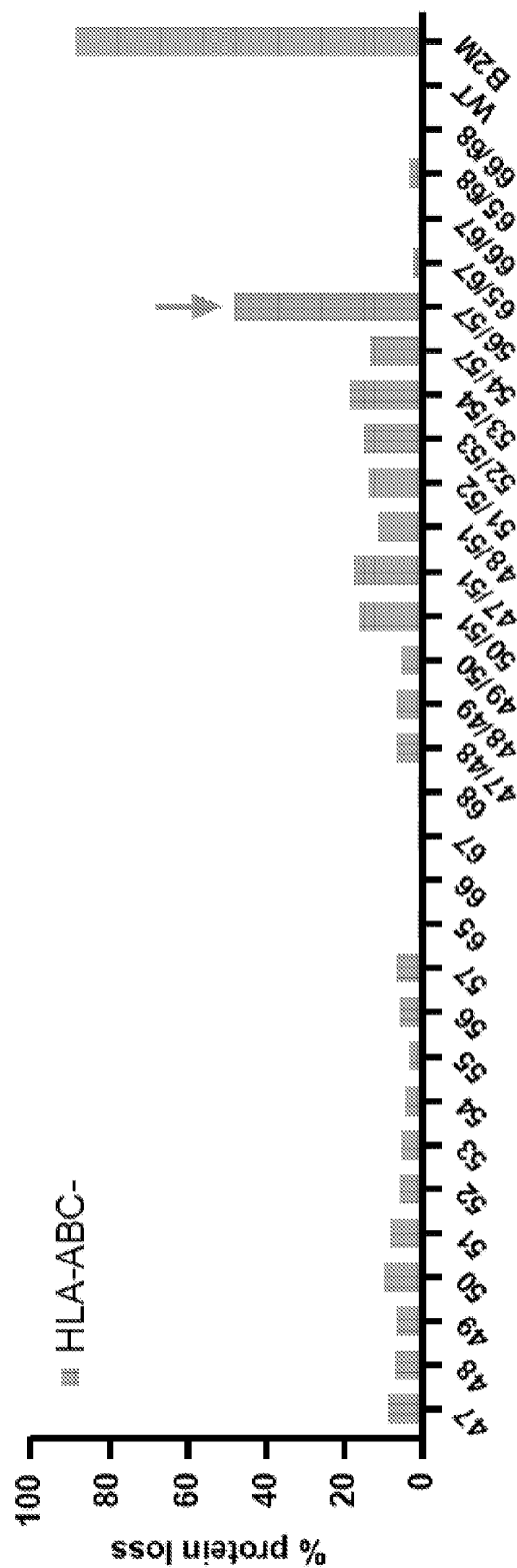


FIG. 43A

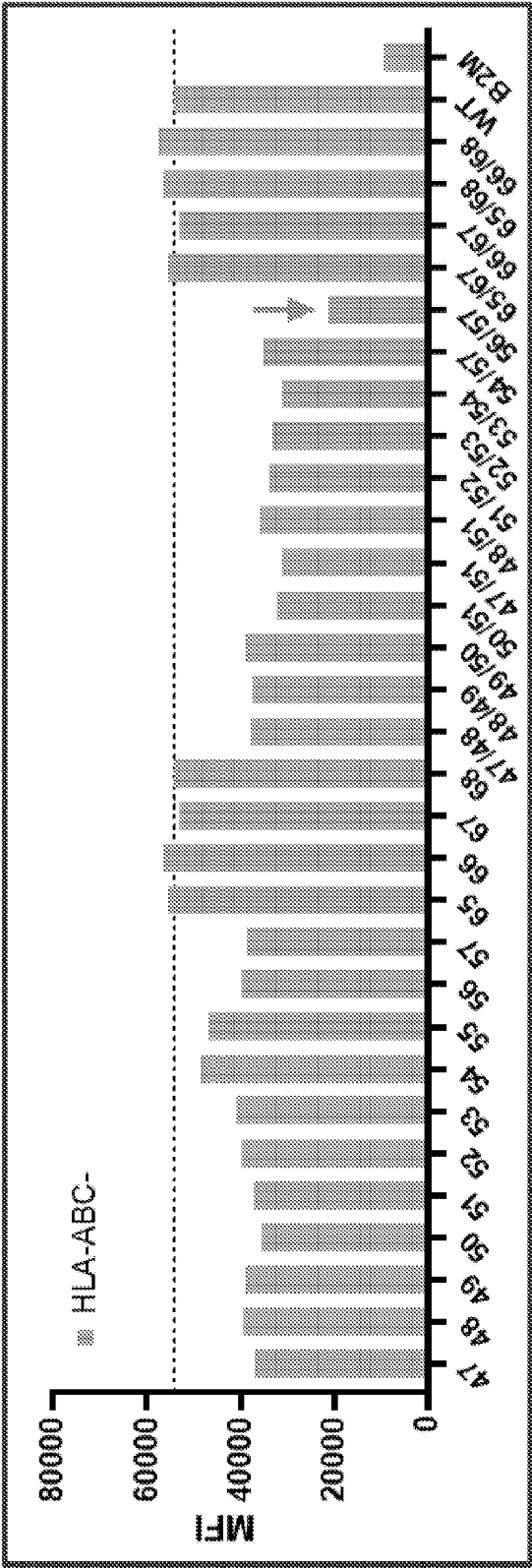


FIG. 43B

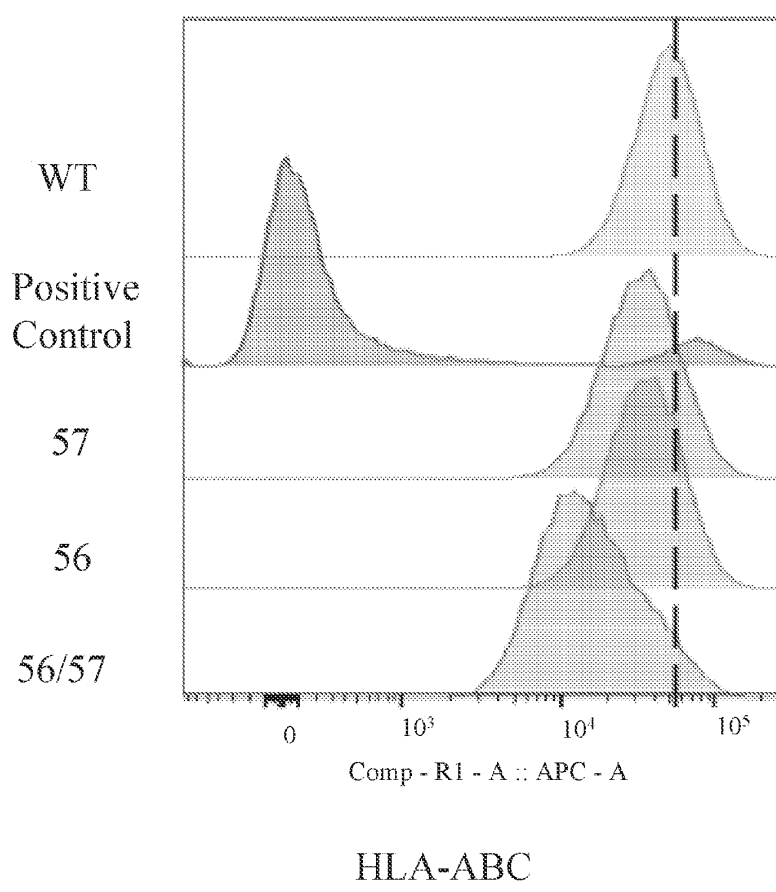


FIG. 43C

	# alleles	# matched alleles	% matched alleles
HLA-A	989	985	99%
HLA-B	992	971	98%
HLA-C	1000	608	60%

FIG. 44A

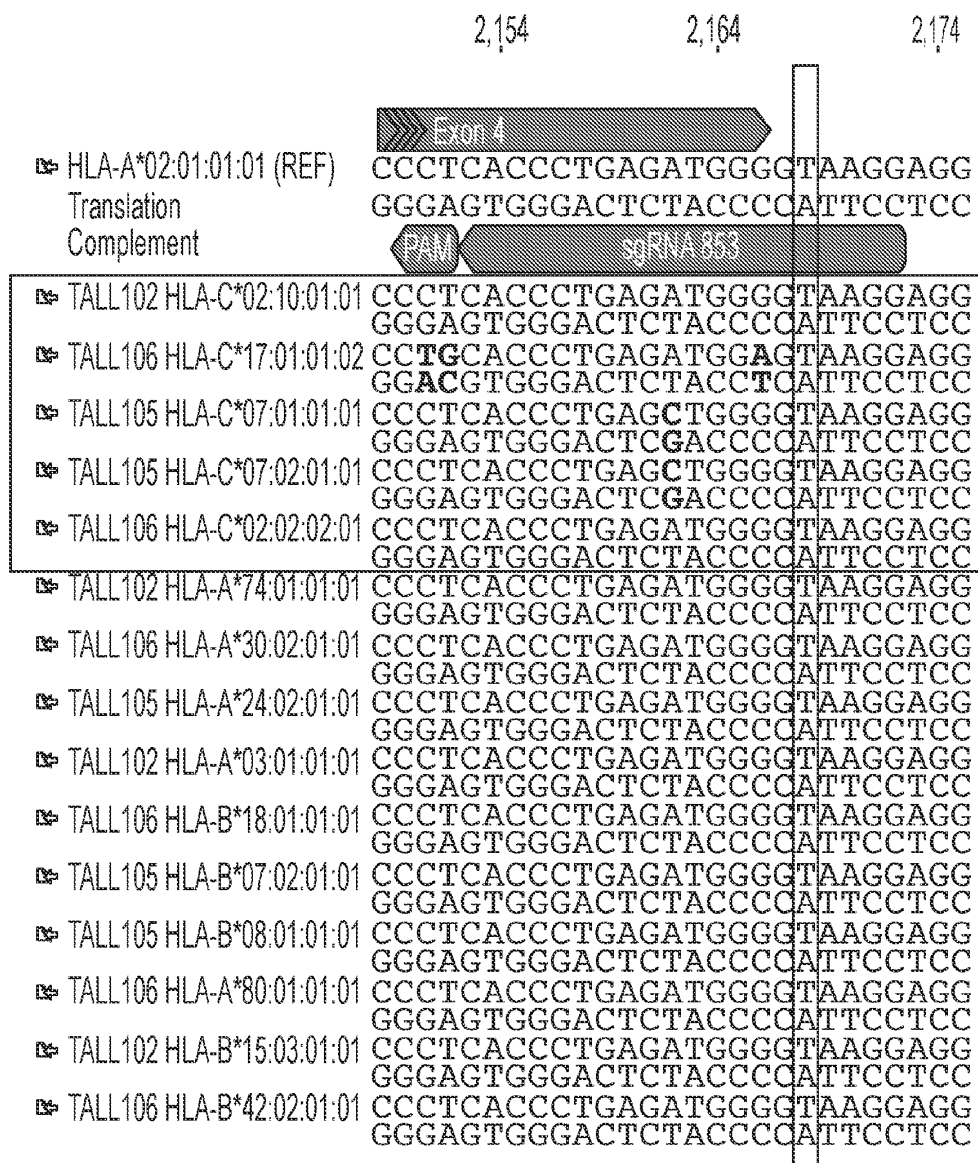


FIG. 44B