

FIG. 1

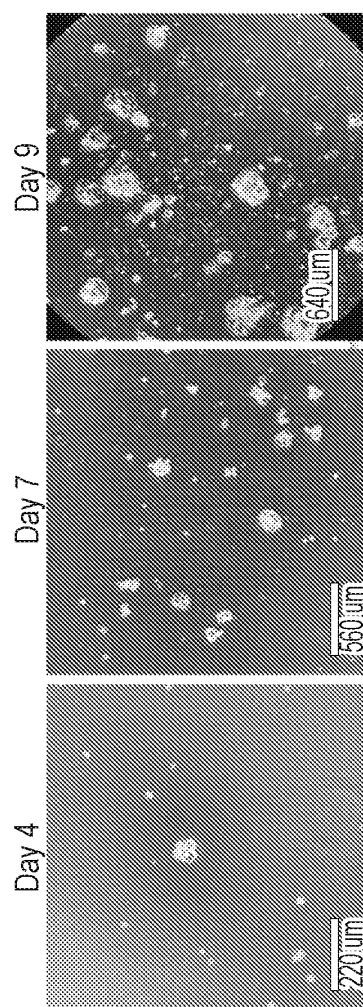


FIG. 2

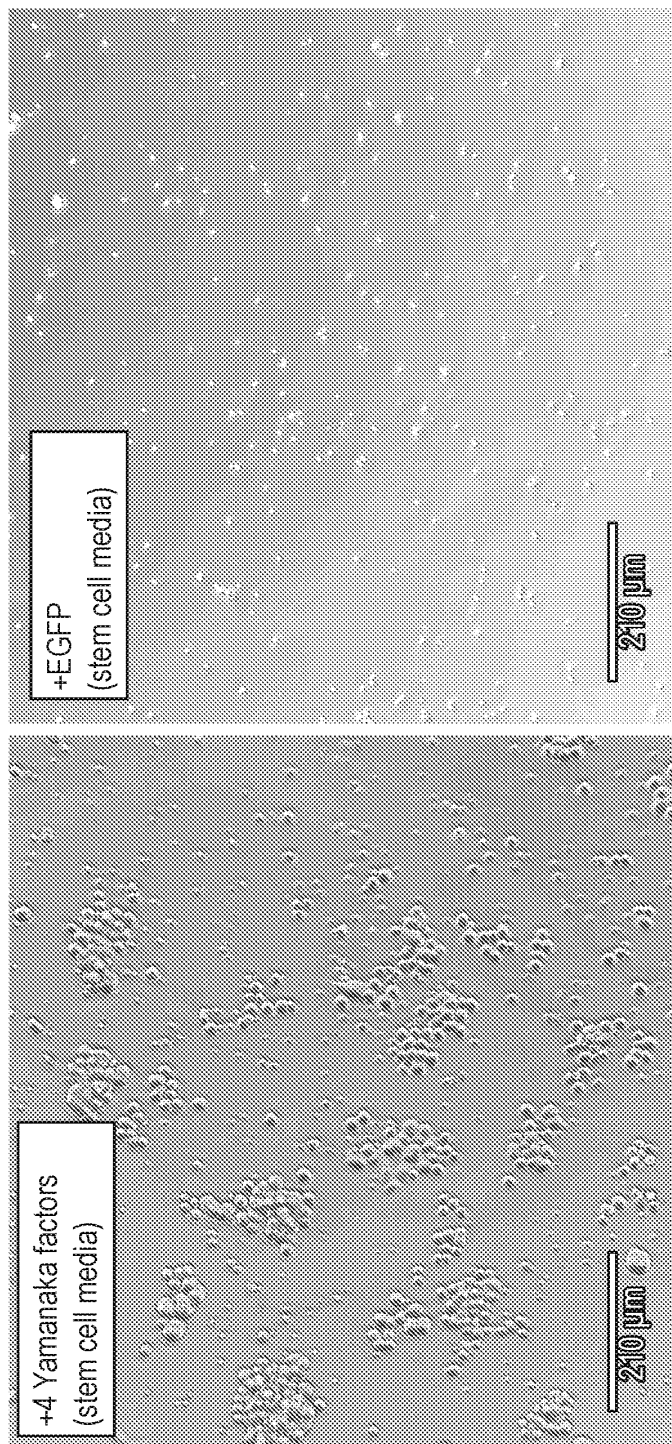


FIG. 3B

FIG. 3A

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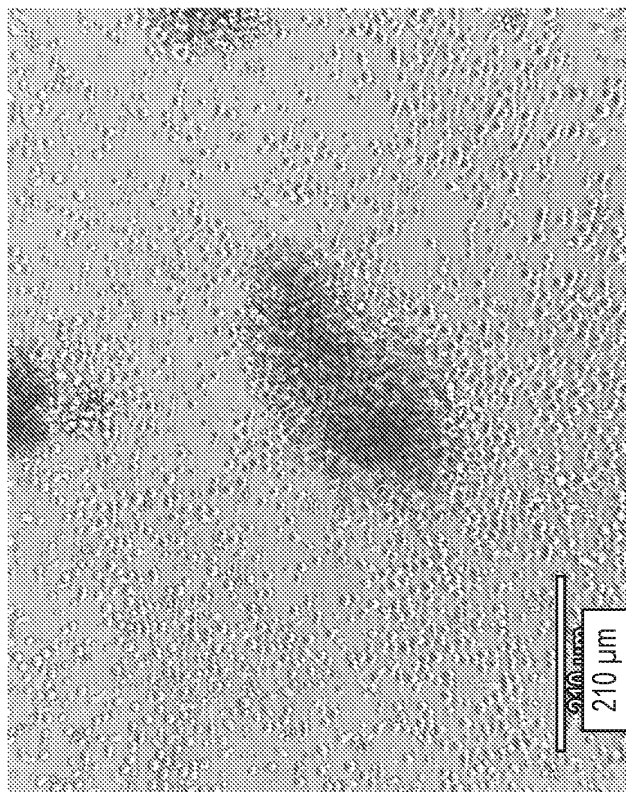


FIG. 3D

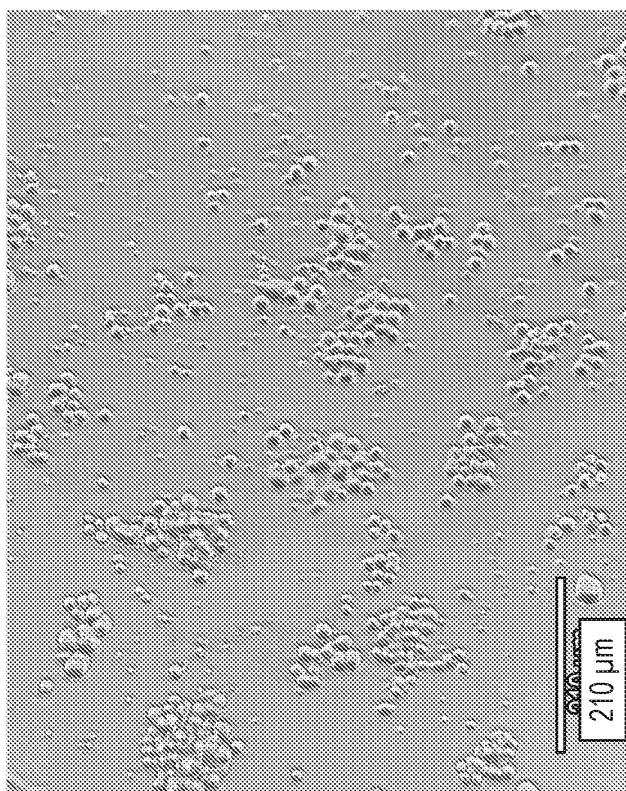


FIG. 3C

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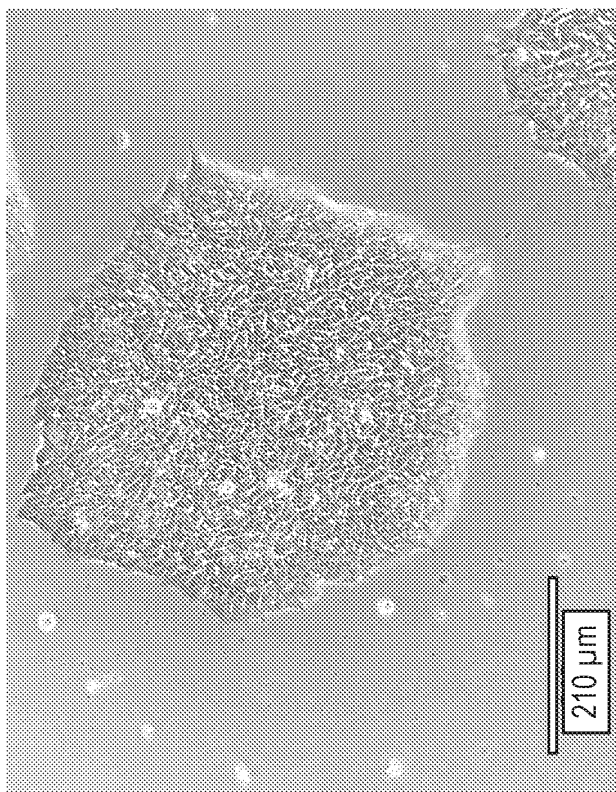


FIG. 3F

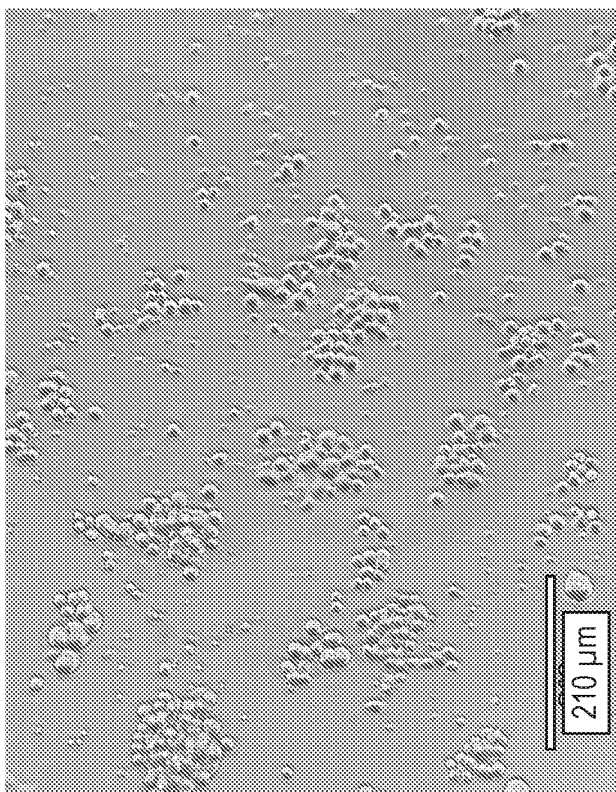


FIG. 3E

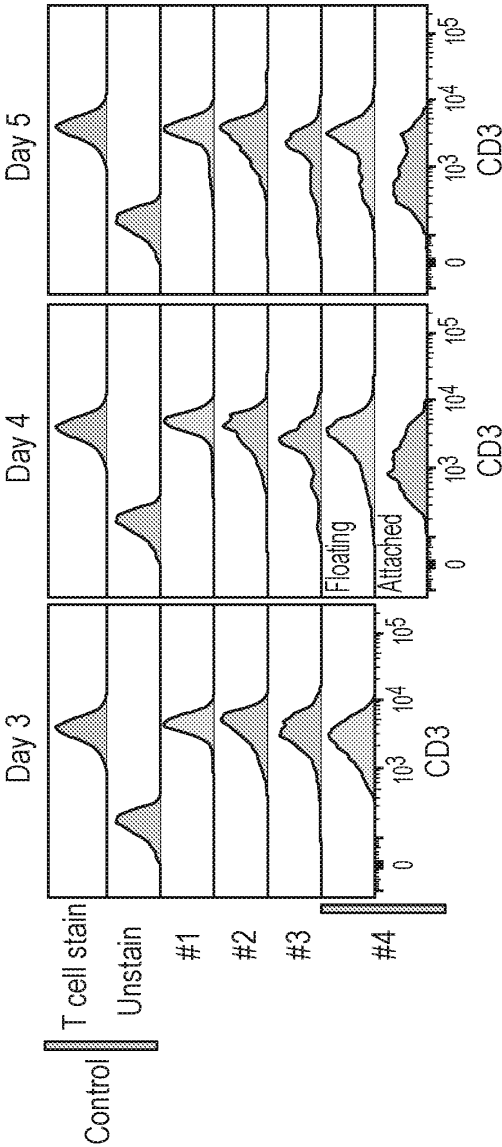


FIG. 4

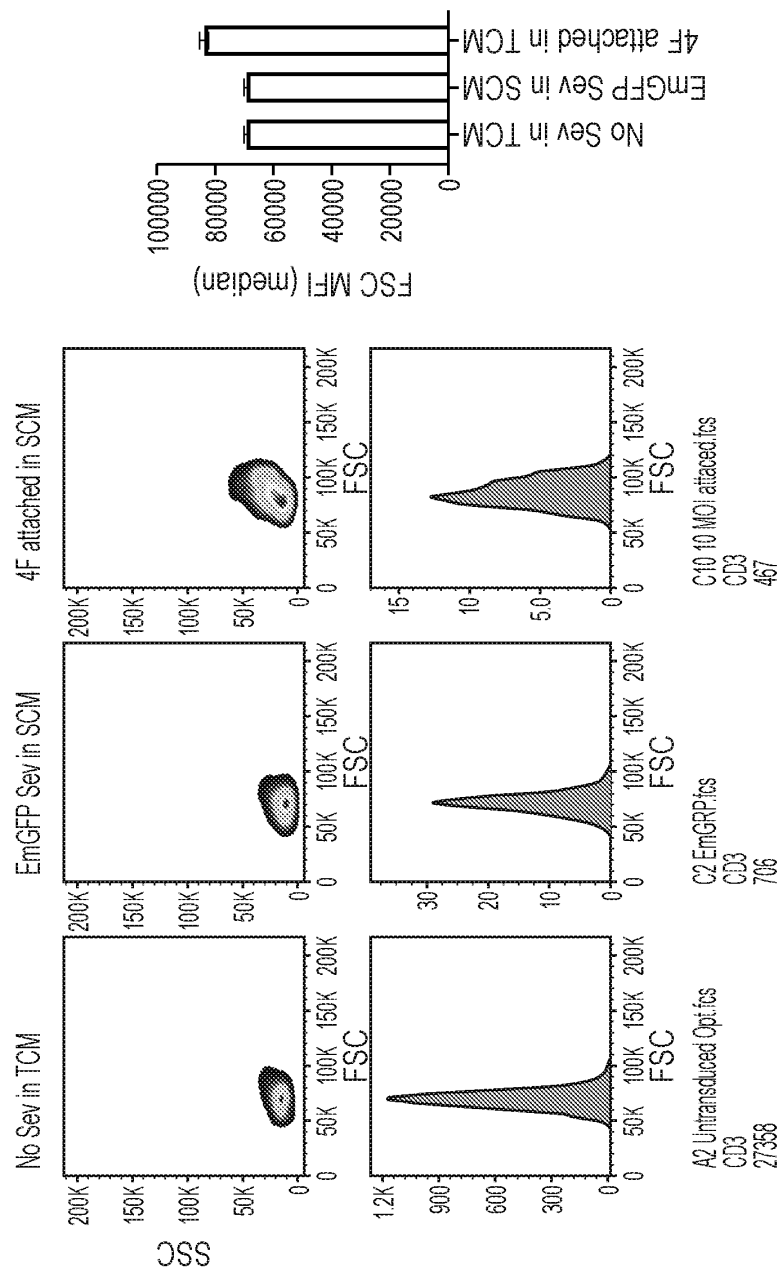


FIG. 5

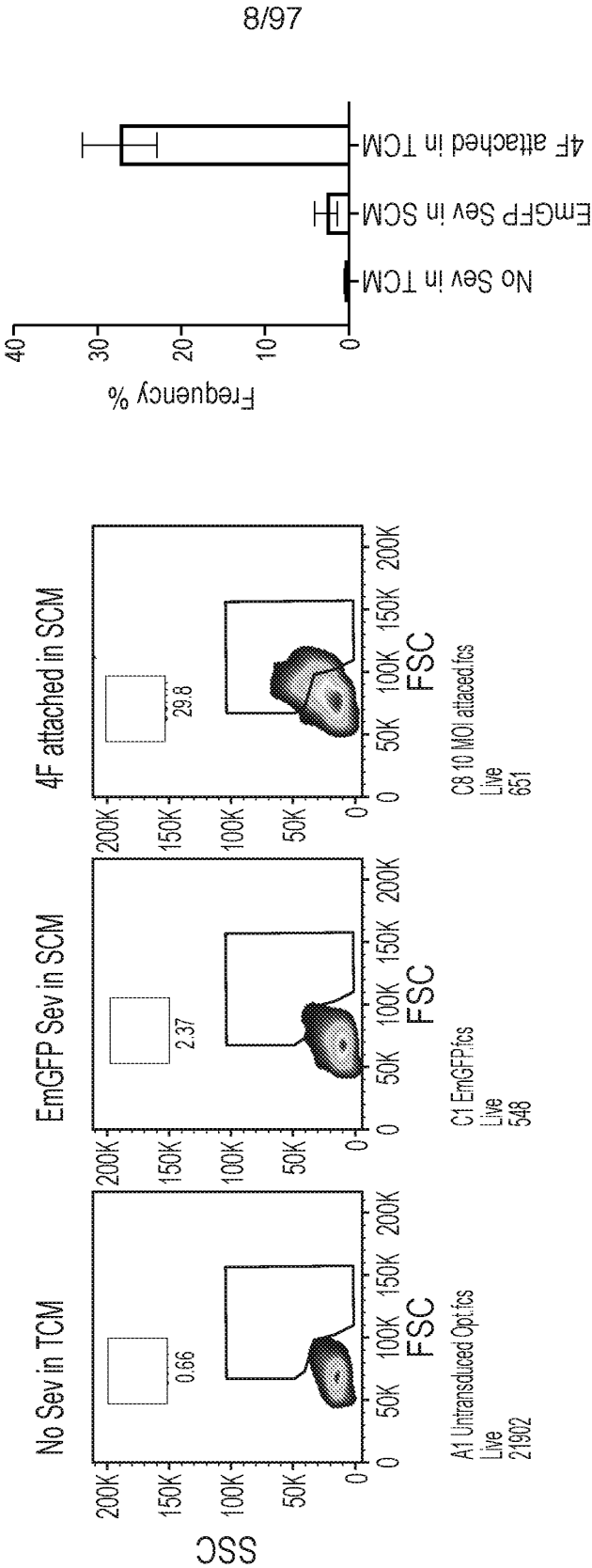


FIG. 6

CD3 100 ng/ml		Sev +/-		Reactivation		Transact 1:100								
CD28 4 ug/ml														
-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11
T cell culture medium IL2 60 IU/ml					Each culture condition					T cell culture medium IL2 60 IU/ml				

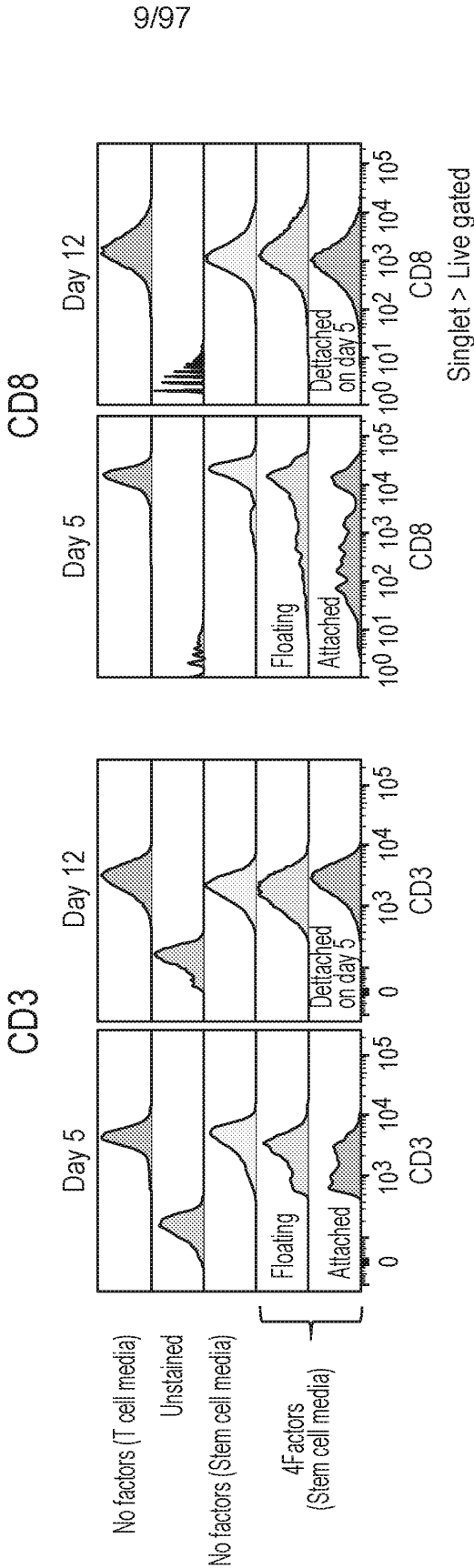


FIG. 7

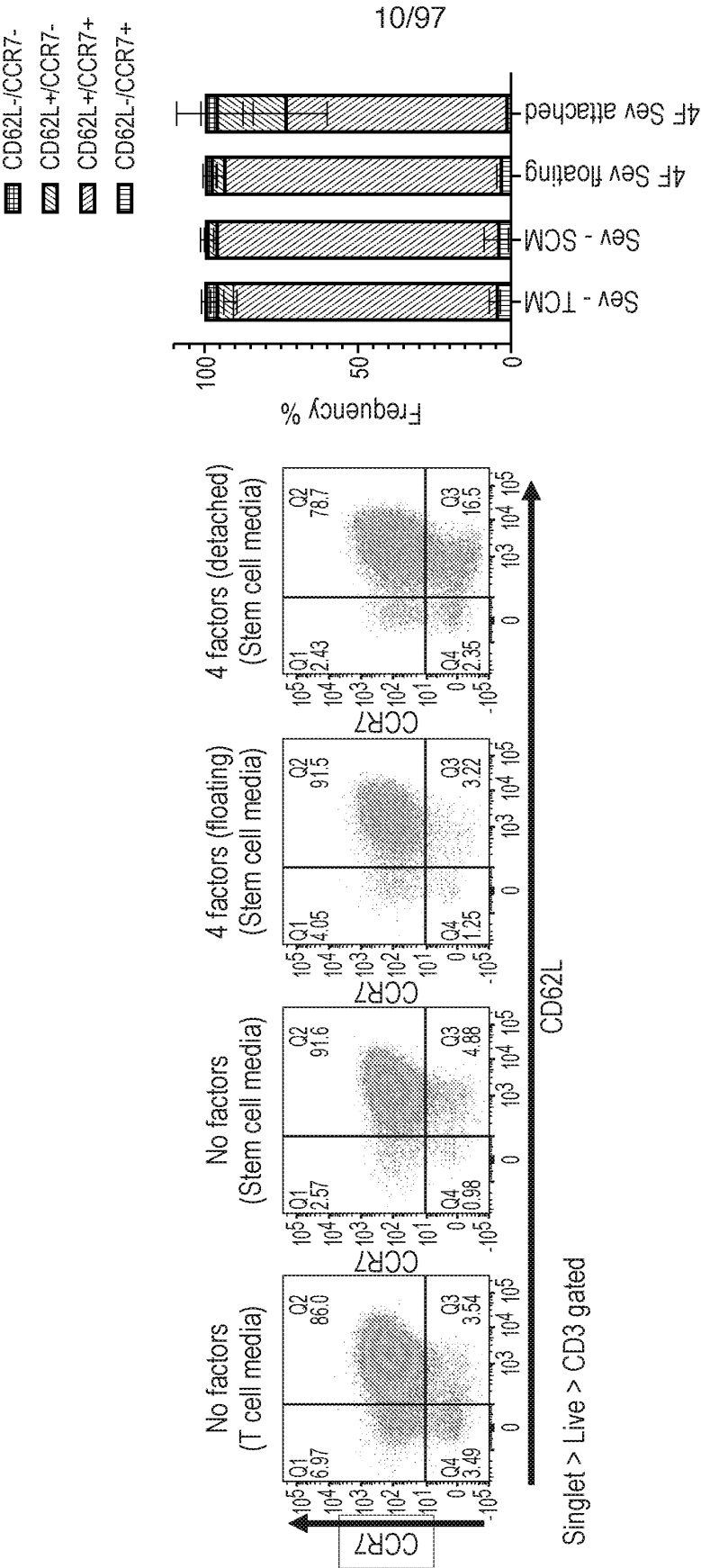


FIG. 8

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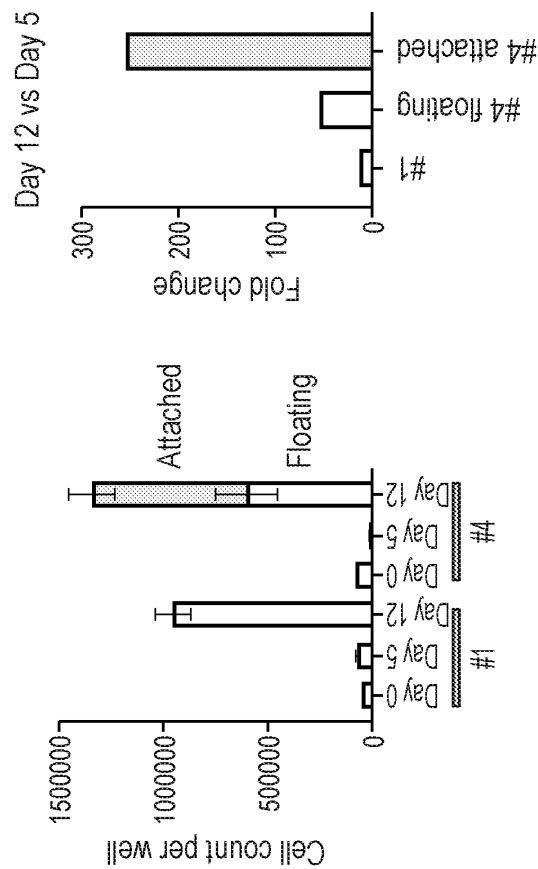


FIG. 9

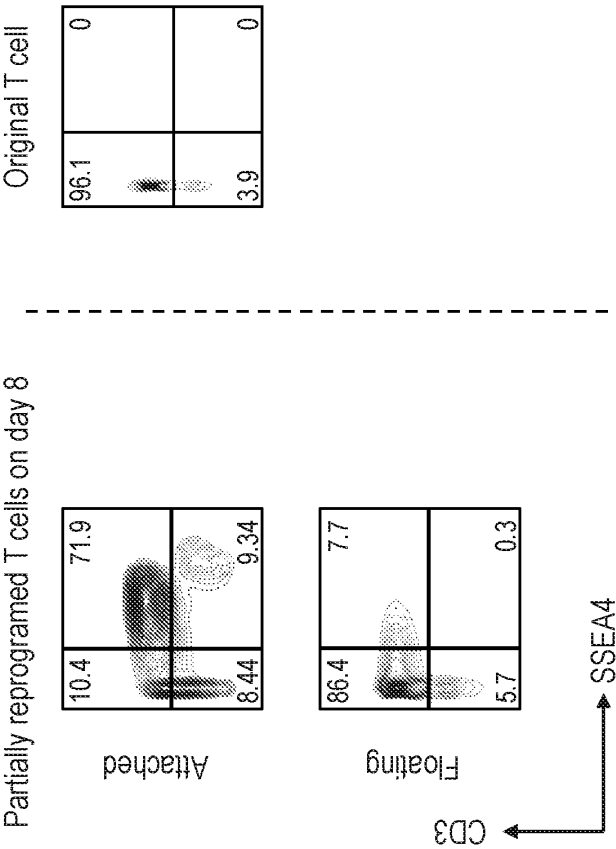


FIG. 10

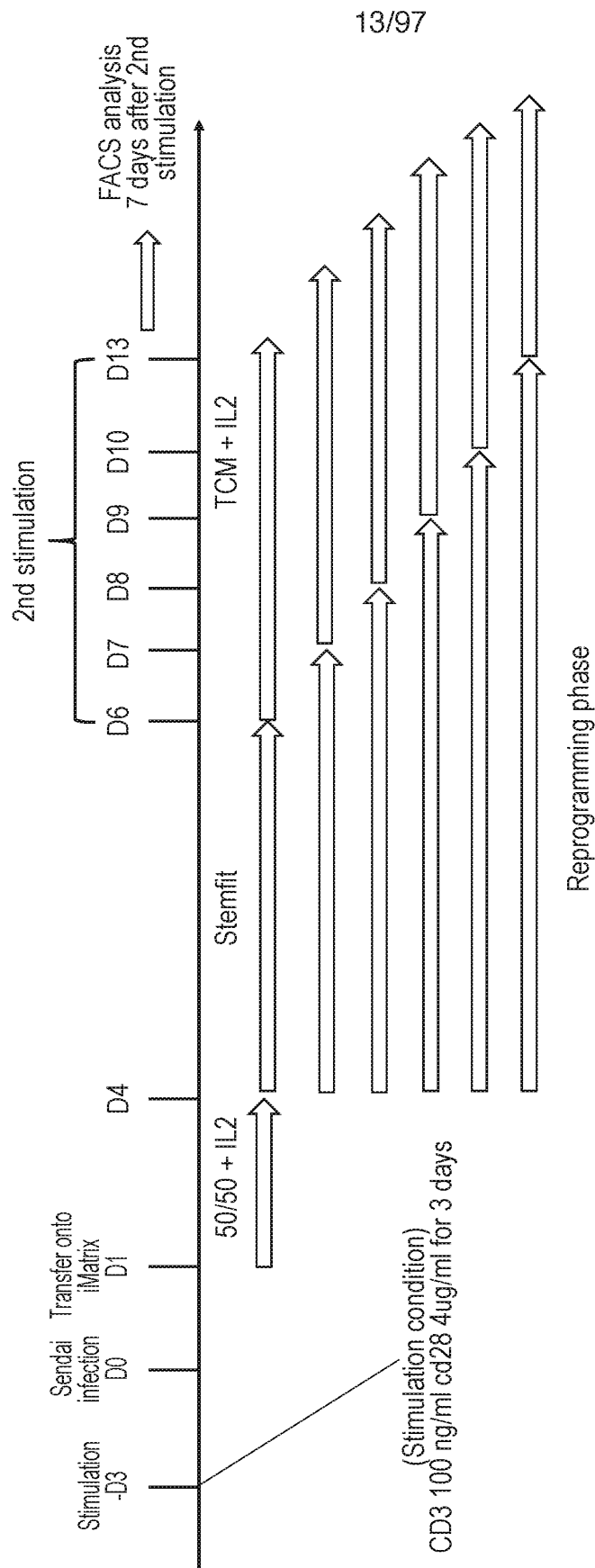


FIG. 11

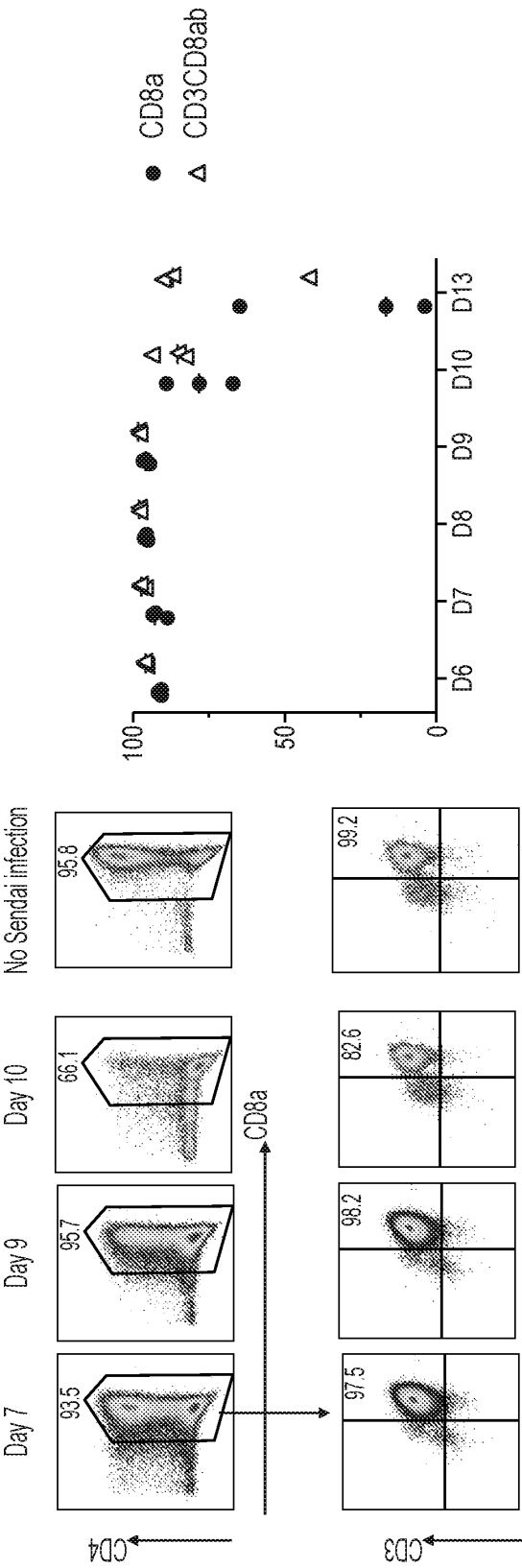


FIG. 12A

FIG. 12B

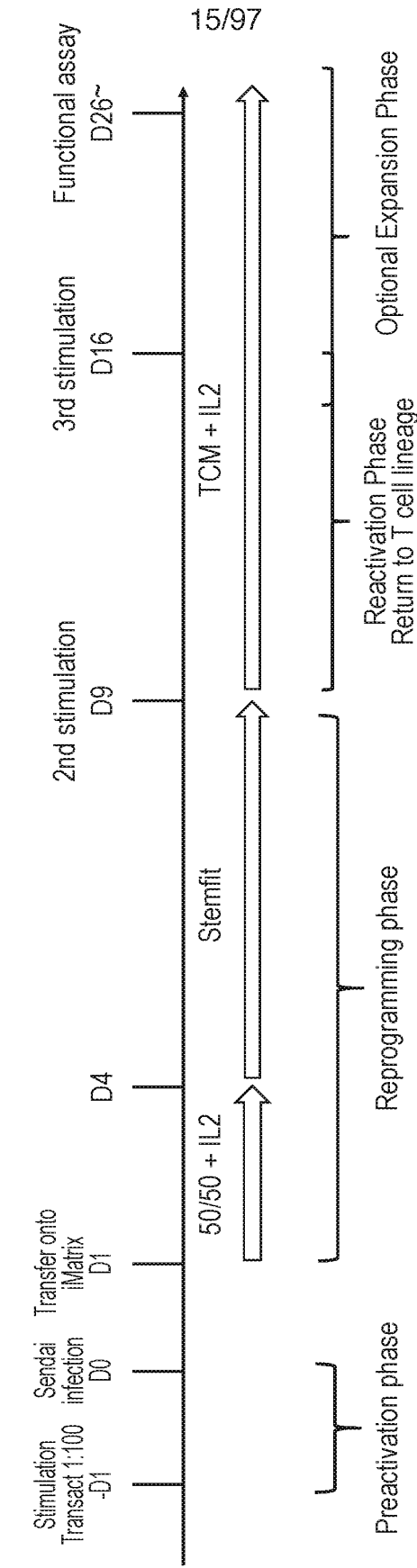


FIG. 13

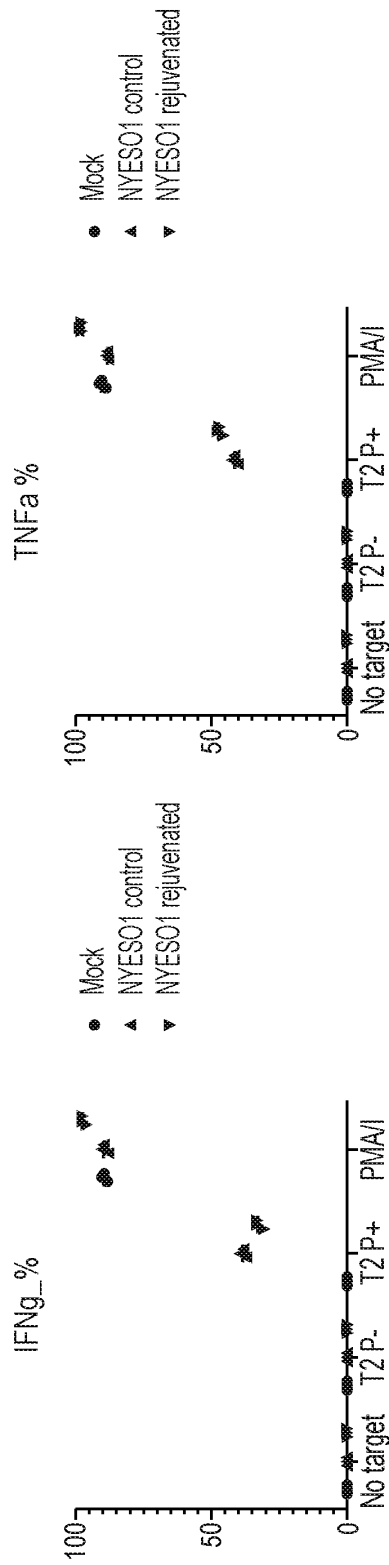


FIG. 14A

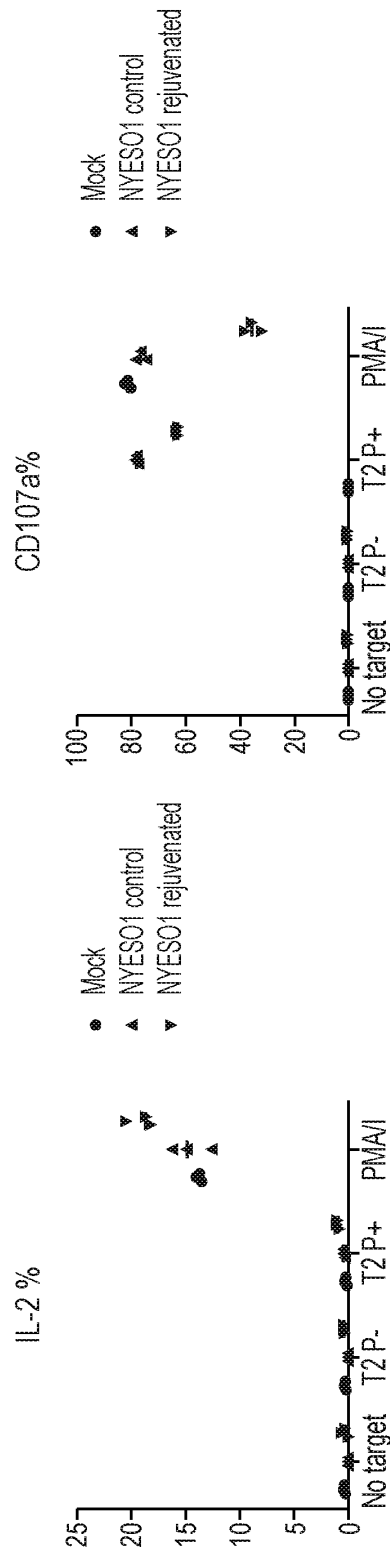


FIG. 14B

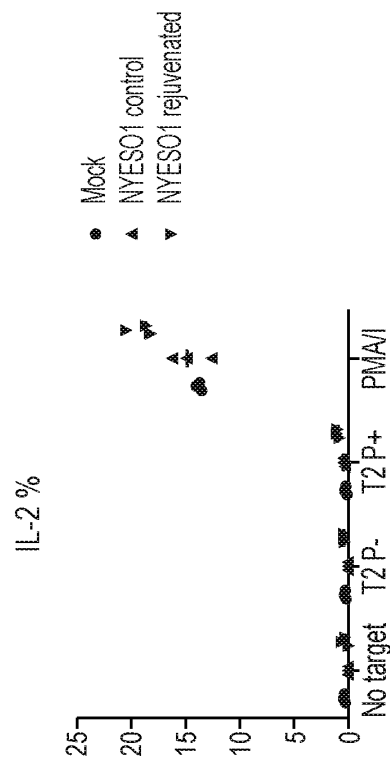


FIG. 14C

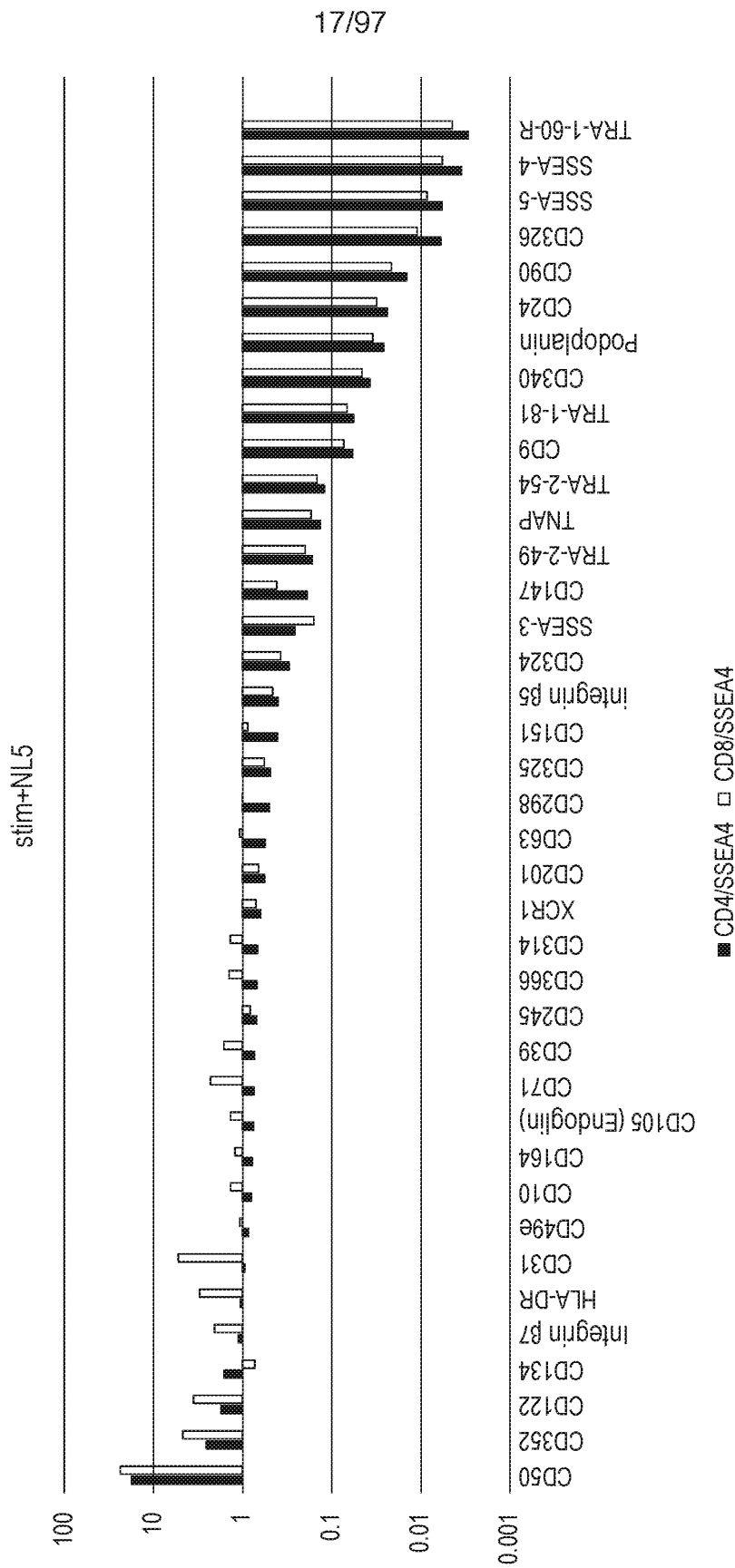


FIG. 15

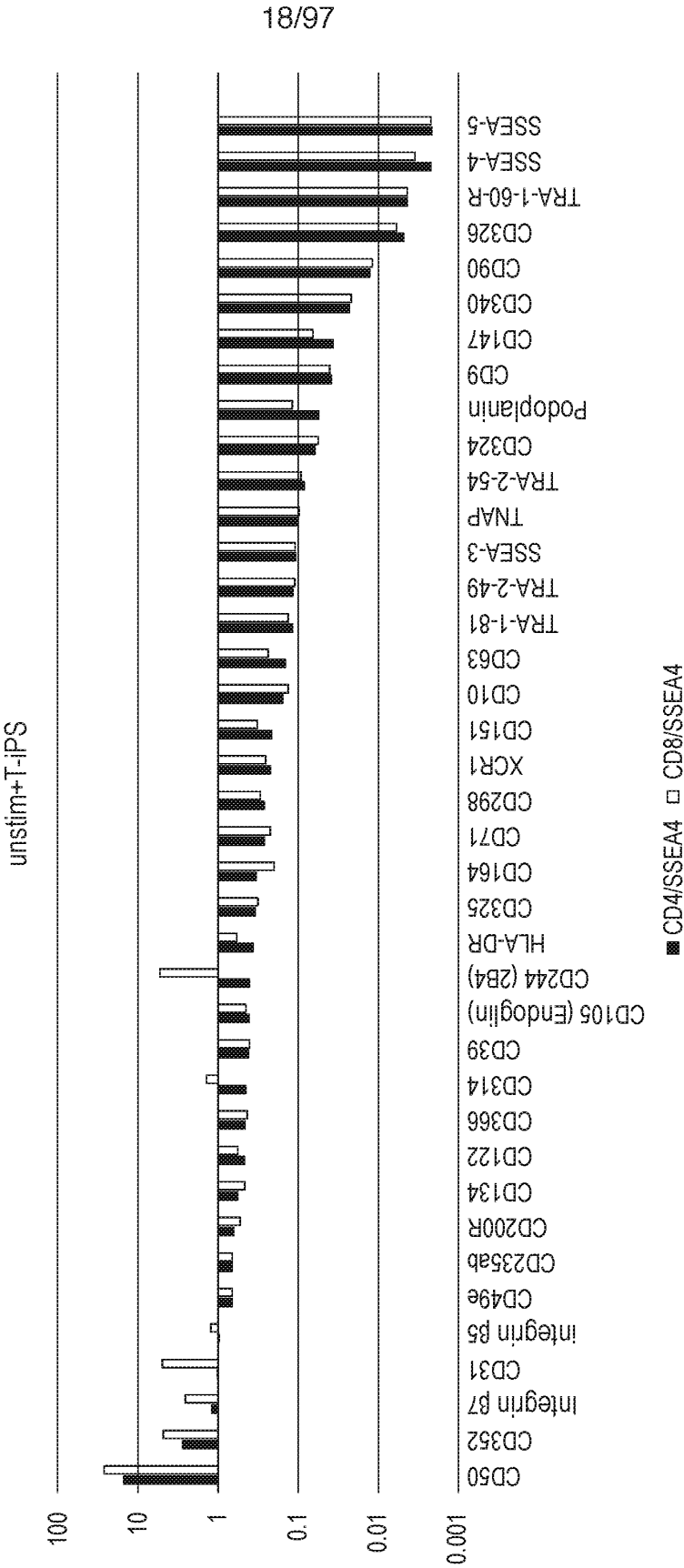


FIG. 16

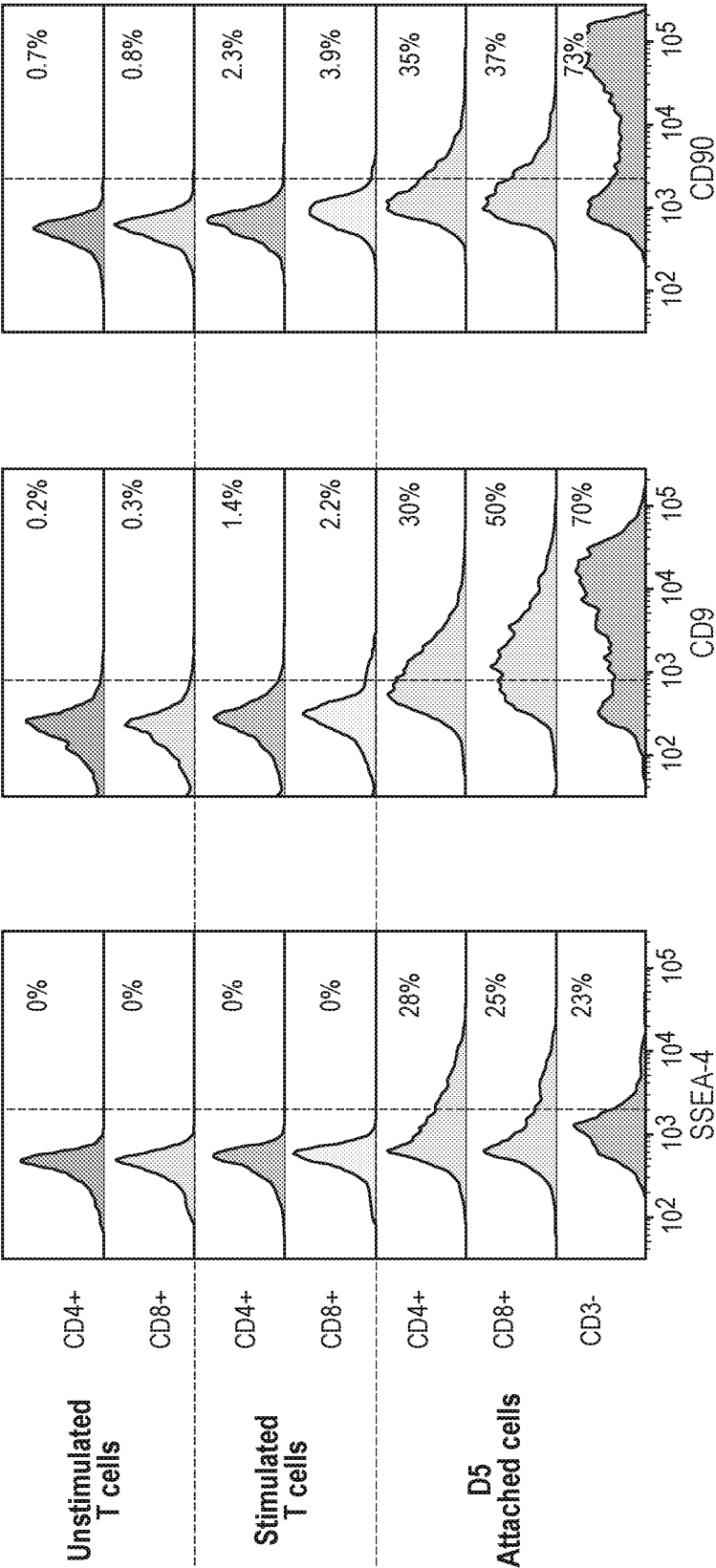
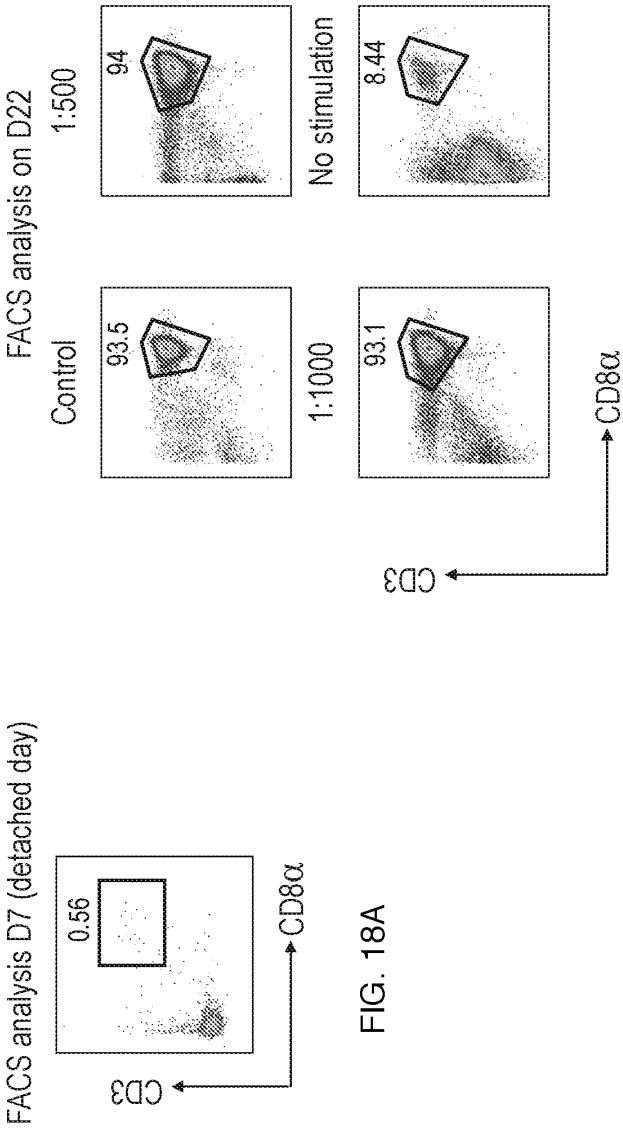


FIG. 17



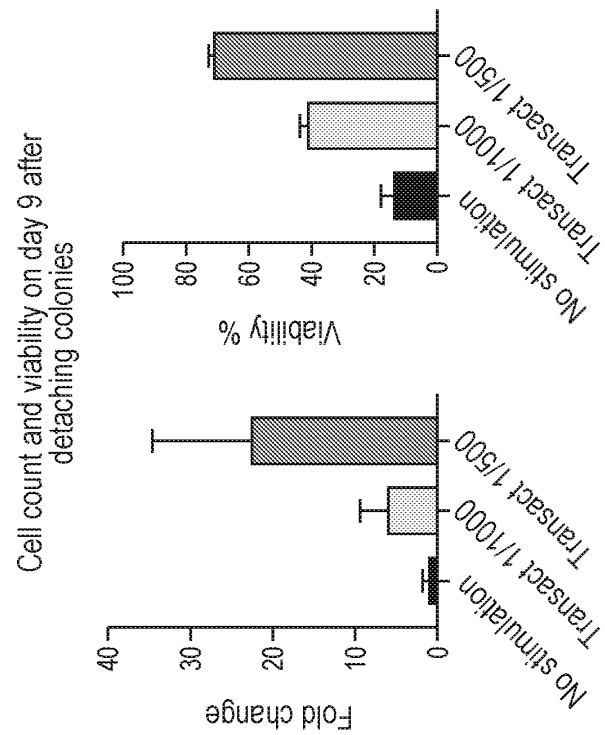


FIG. 18D

FIG. 18C

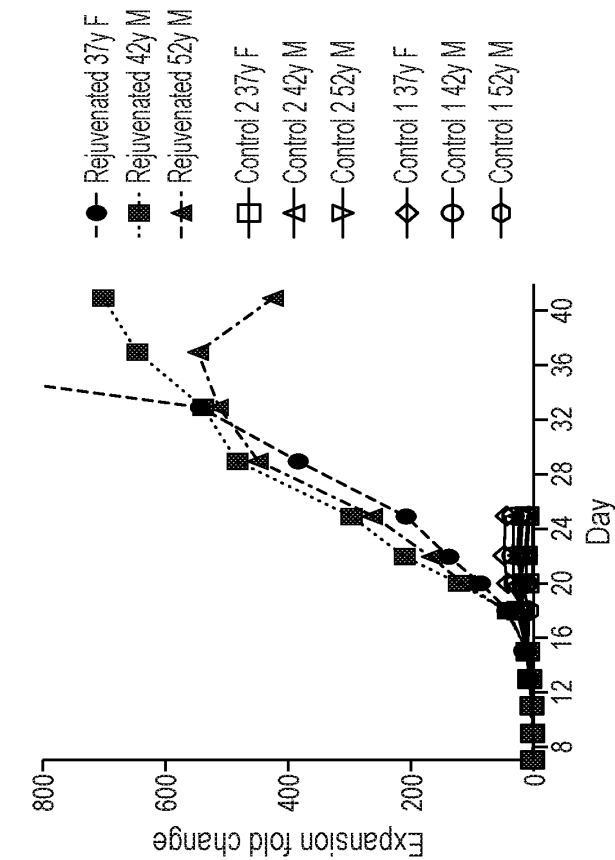


FIG. 19B

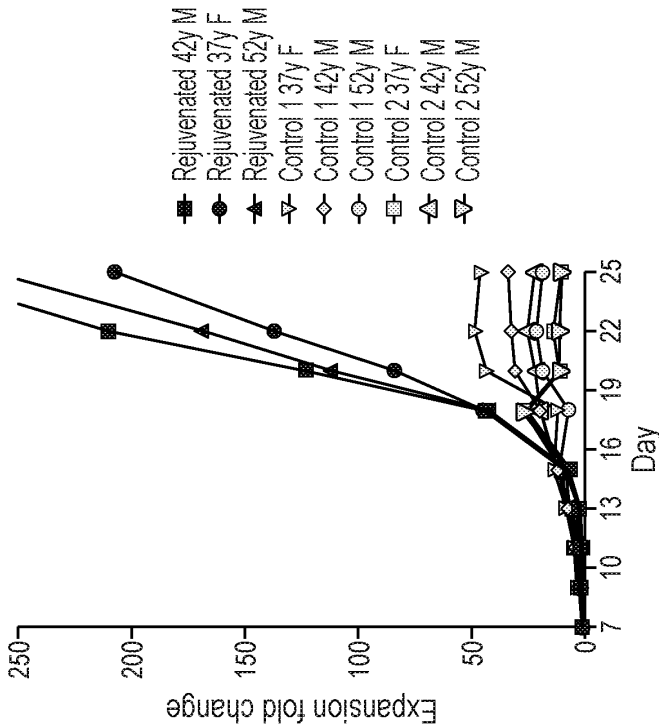


FIG. 19A

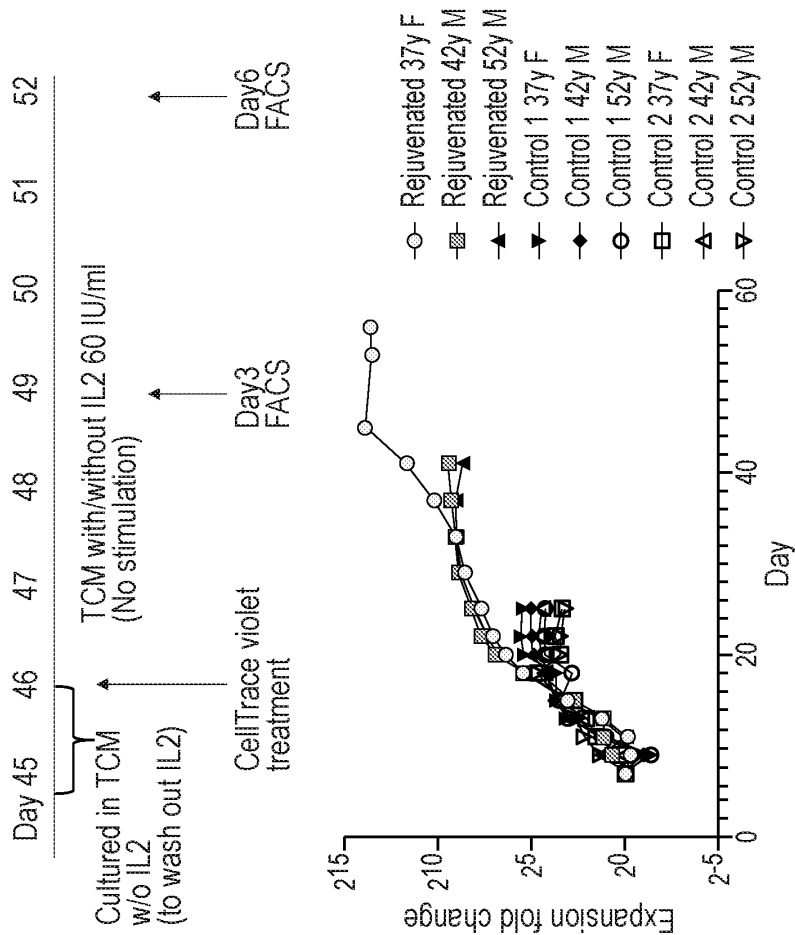


FIG. 20A

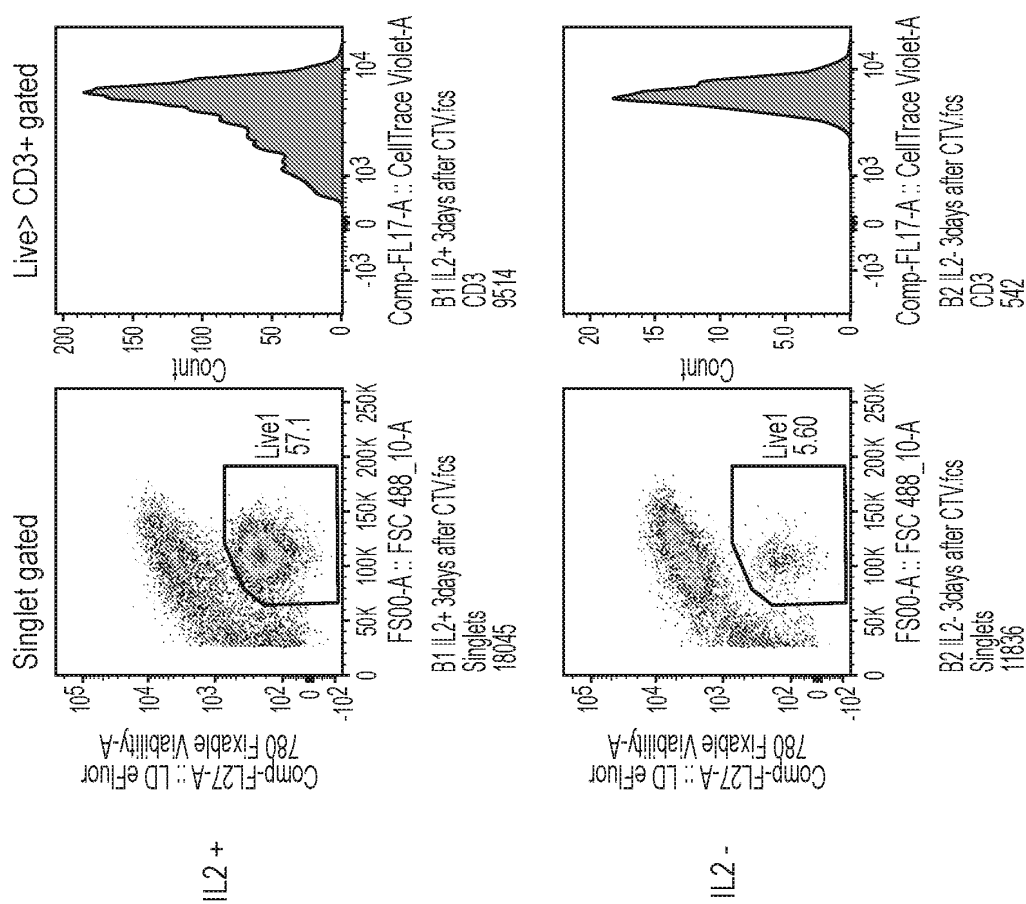


FIG. 20B

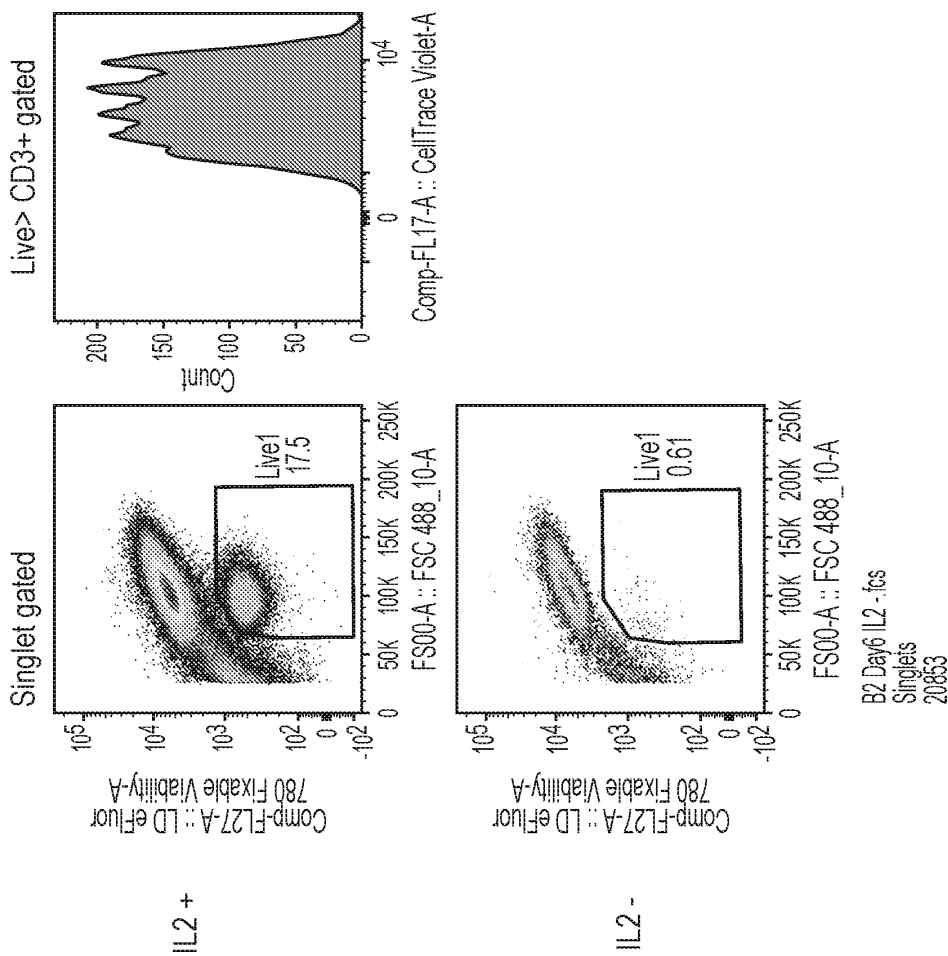


FIG. 20C

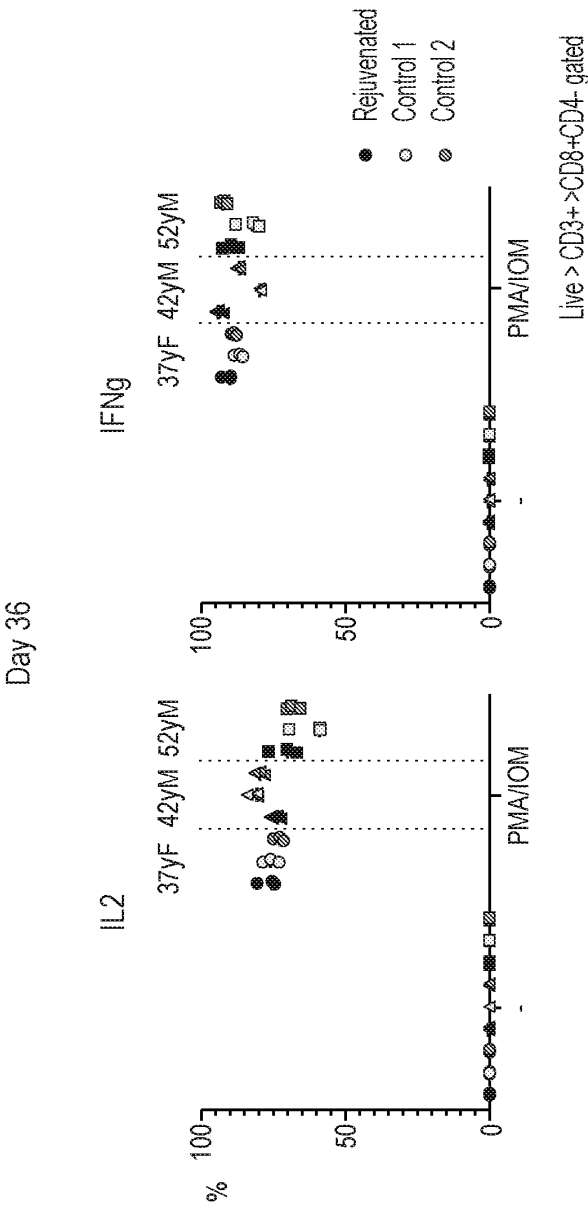


FIG. 21

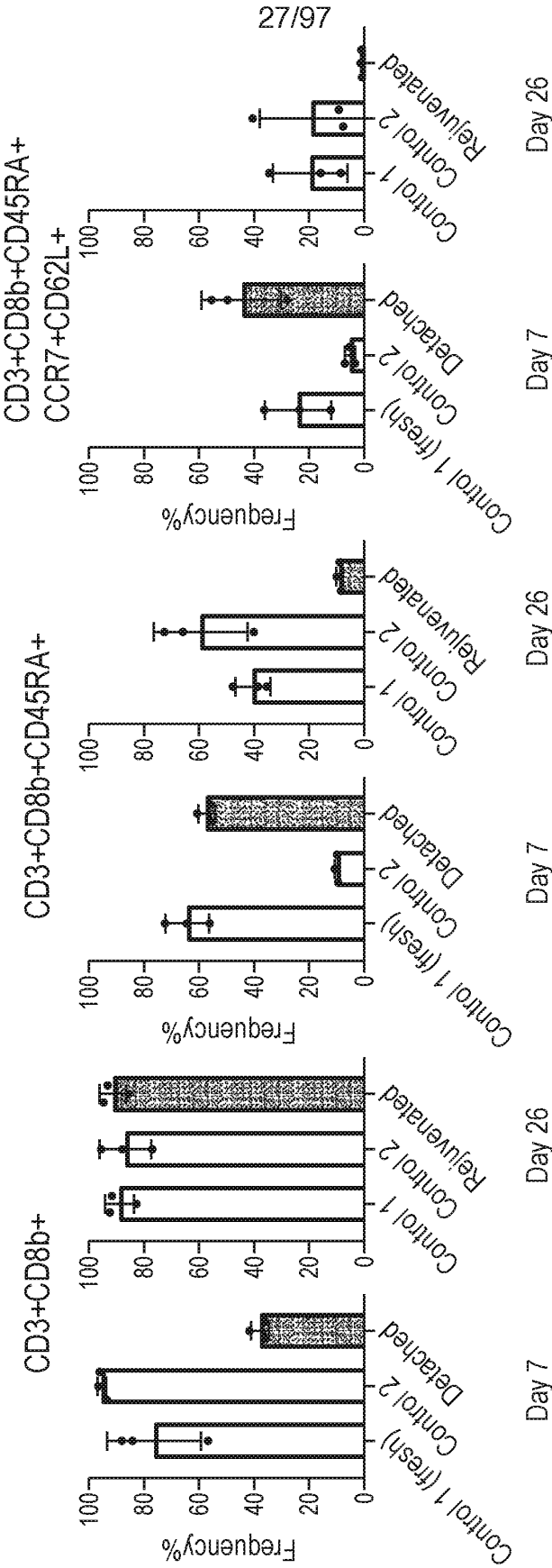


FIG. 22C

FIG. 22B

FIG. 22A

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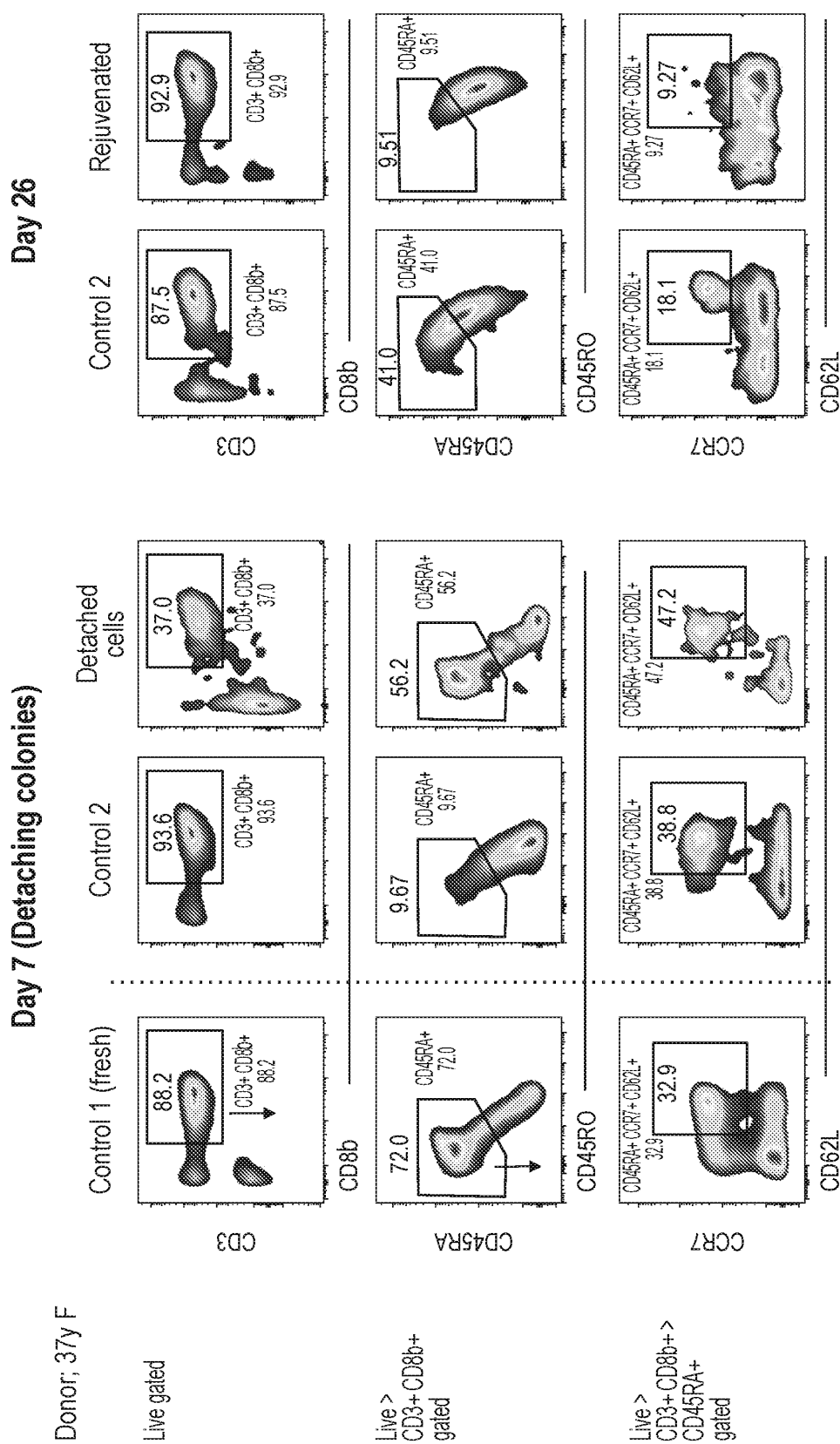


FIG. 23

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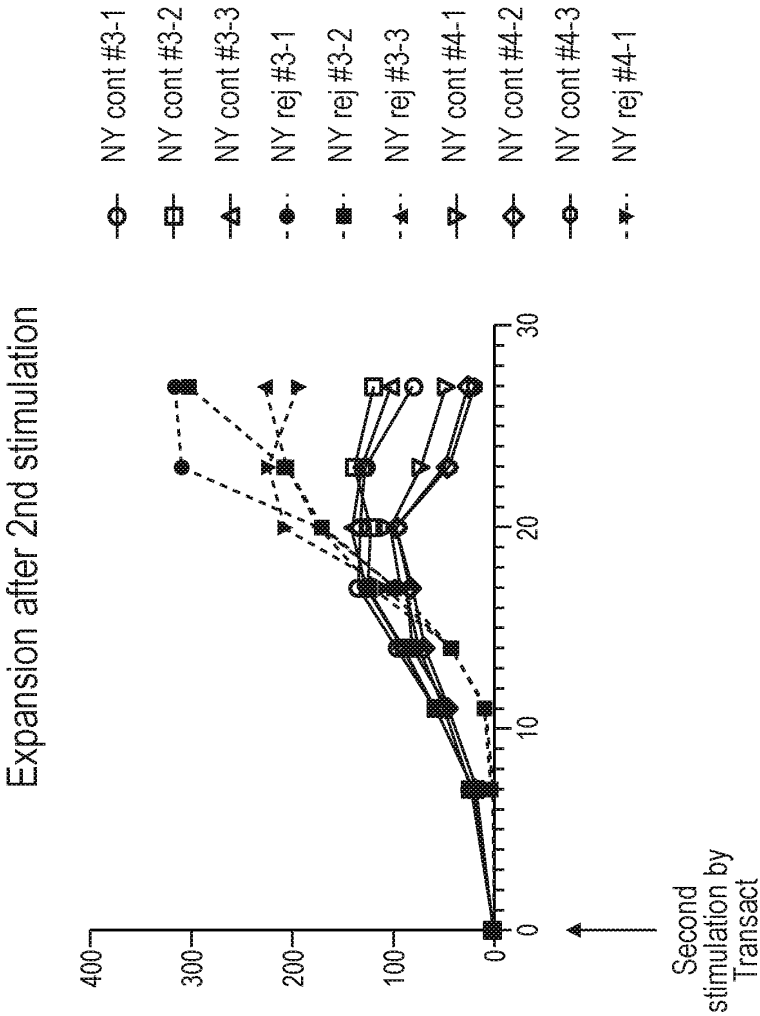


FIG. 24

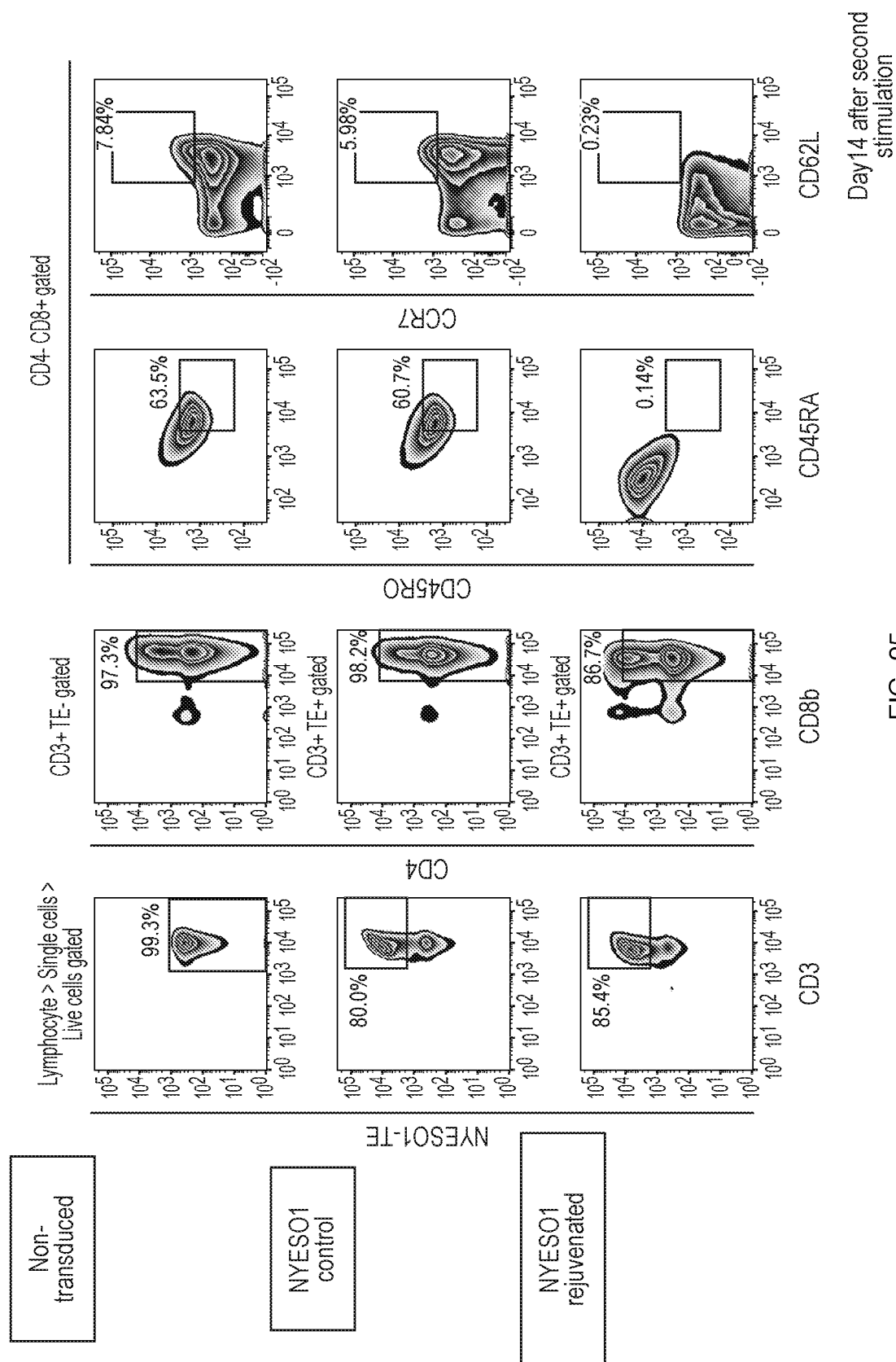


FIG. 25

FIG. 26A

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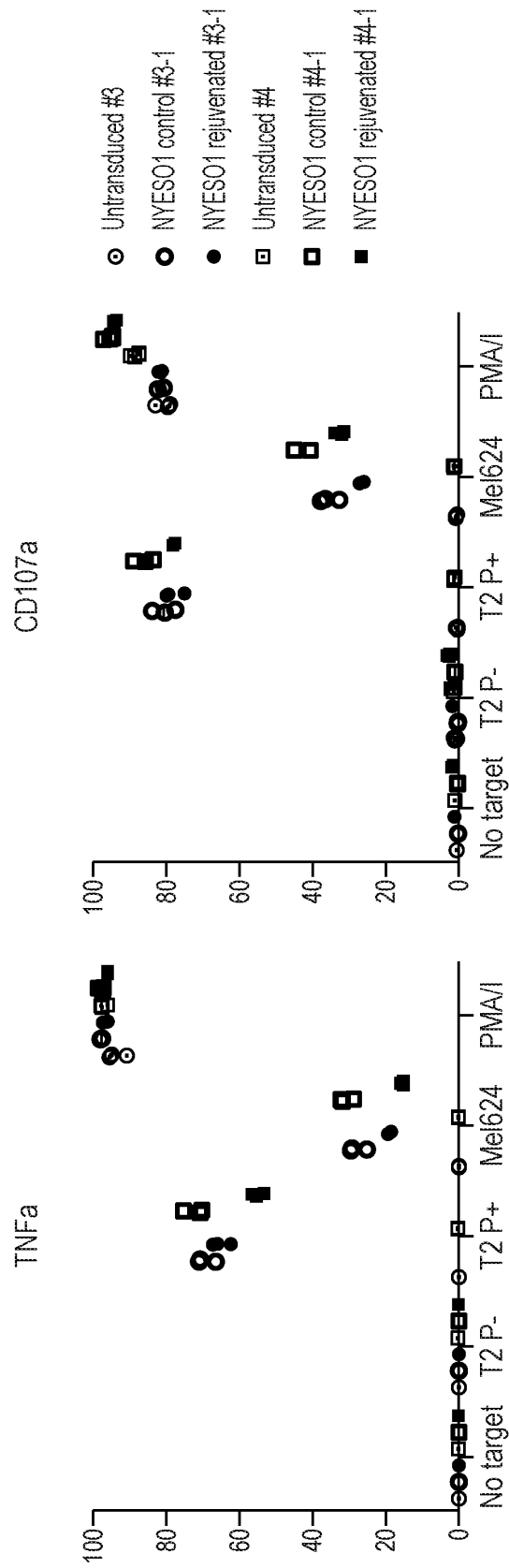


FIG. 26D

FIG. 26C

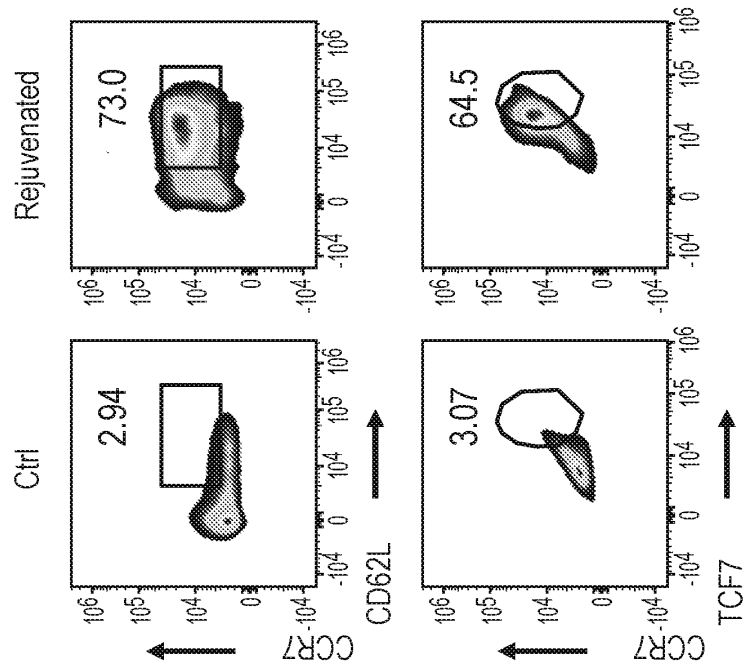


FIG. 27B

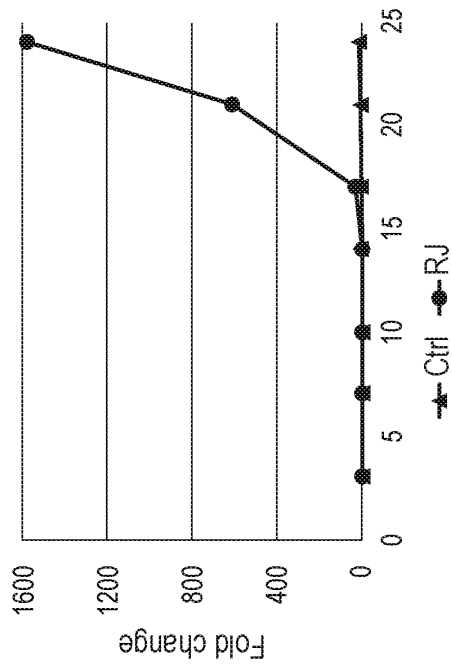


FIG. 27A

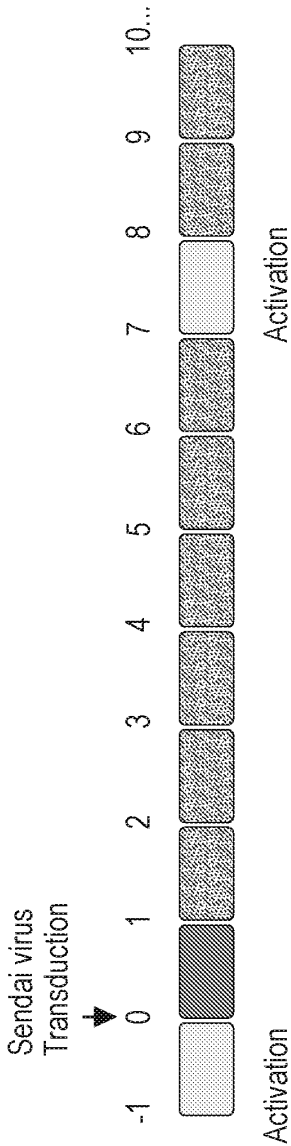


FIG. 28

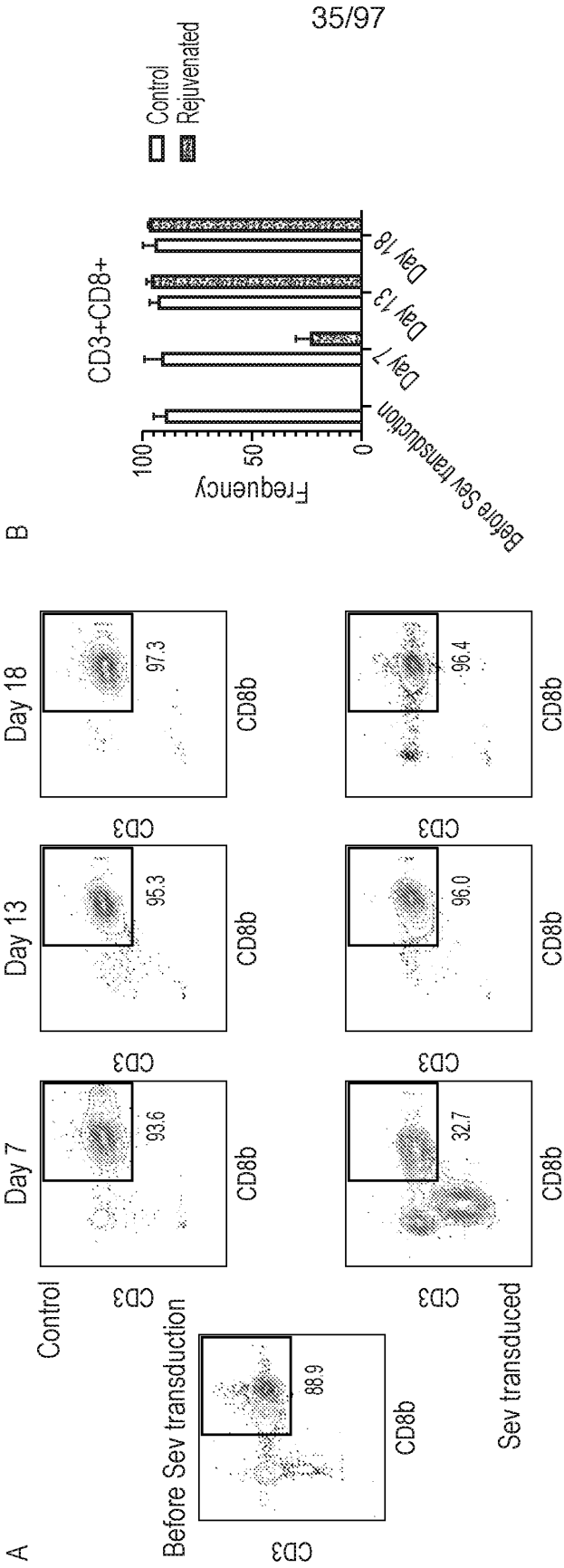


FIG. 29B

FIG. 29A

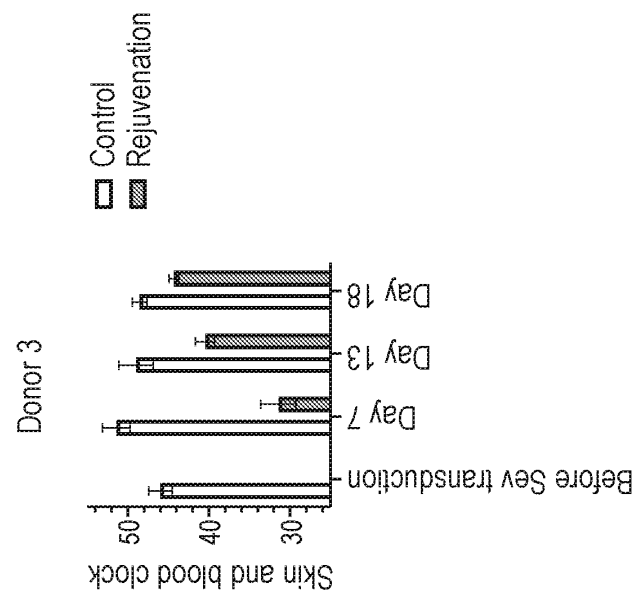


FIG. 30C

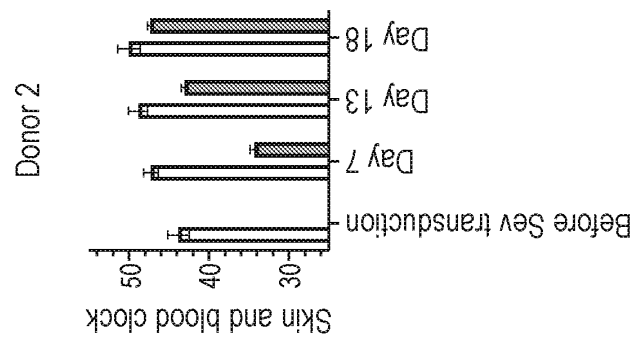


FIG. 30B

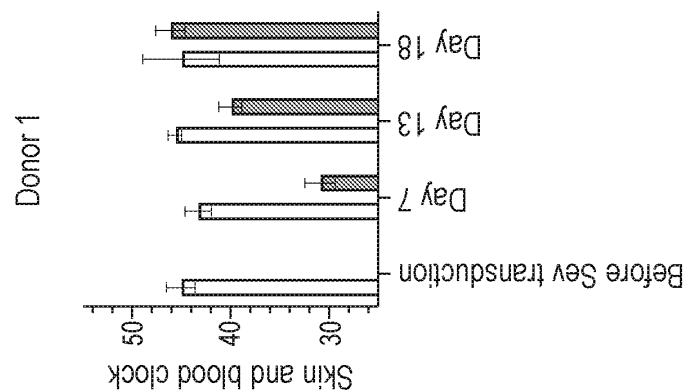


FIG. 30A

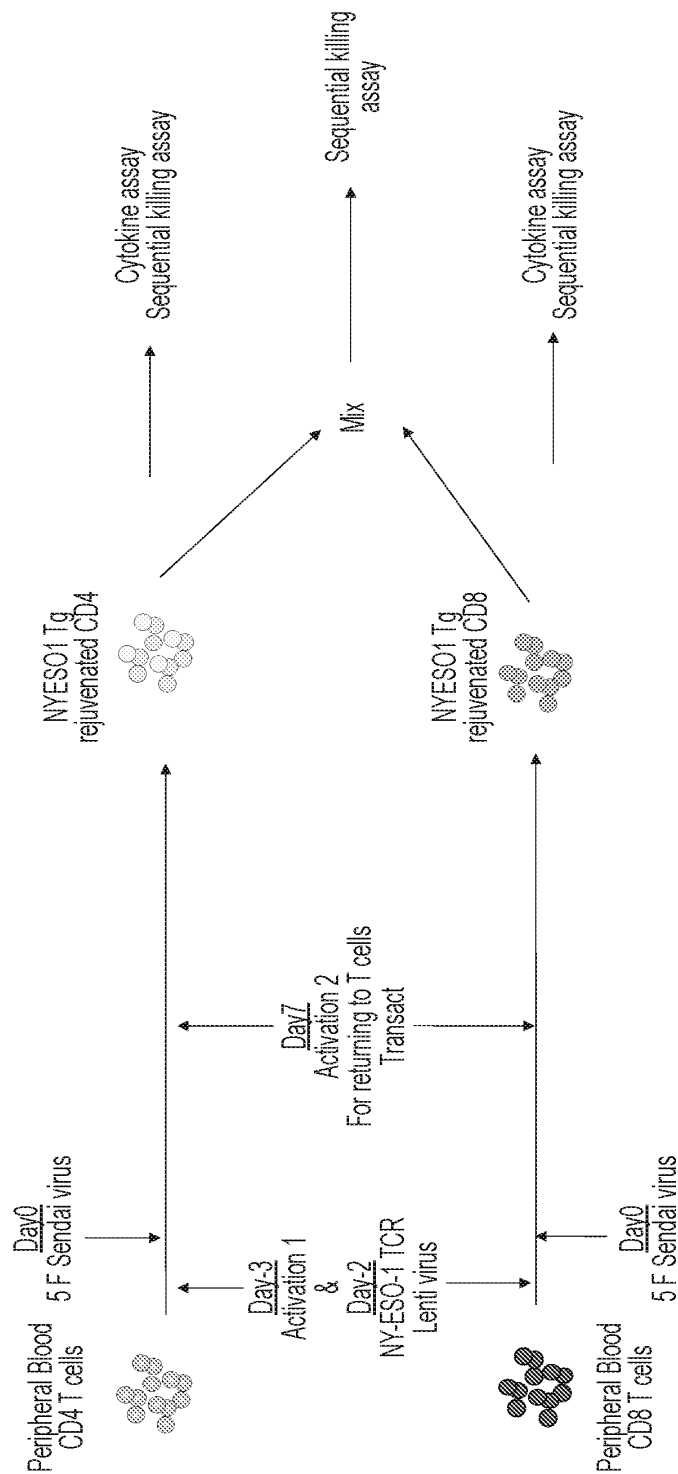


FIG. 31

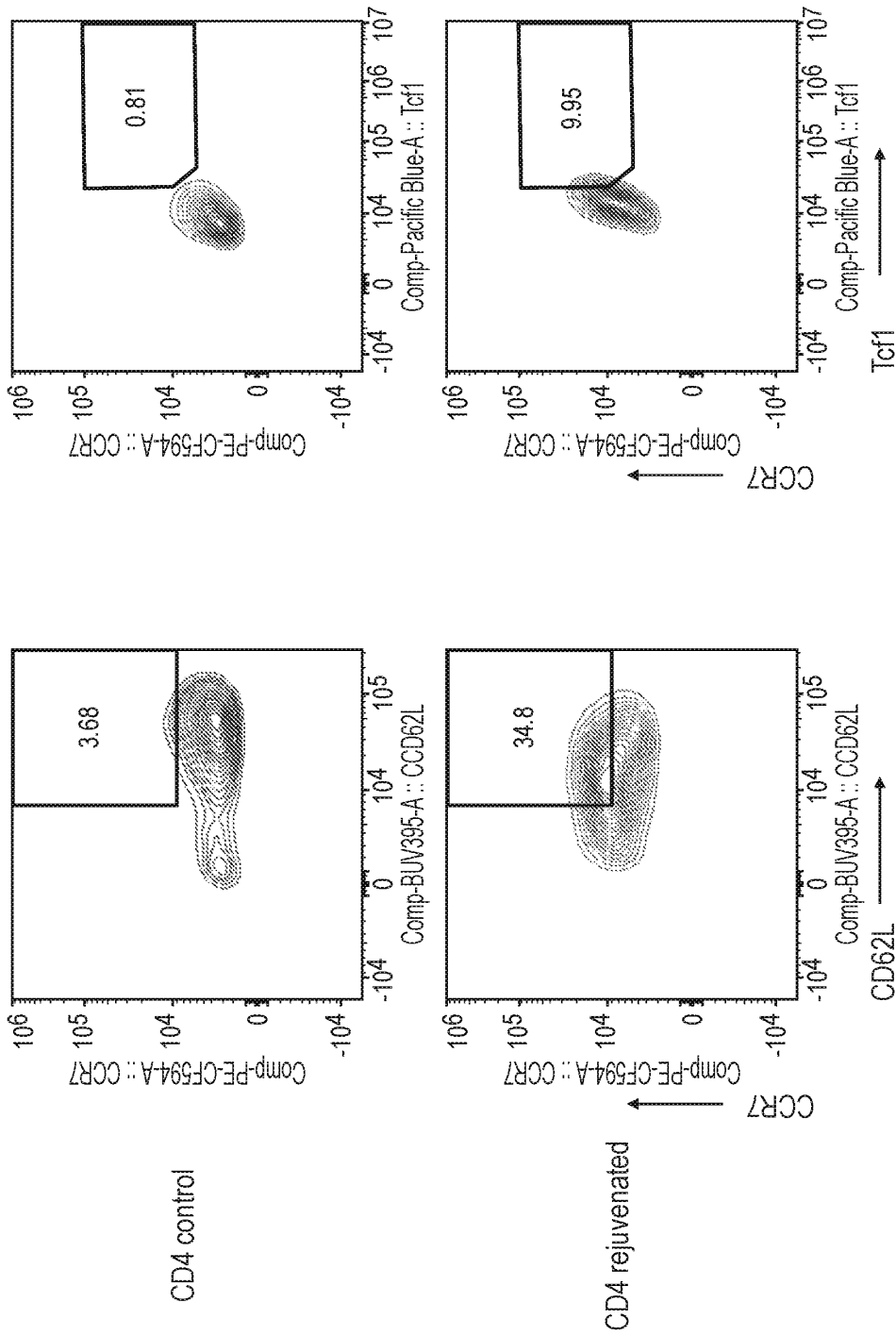


FIG. 32A

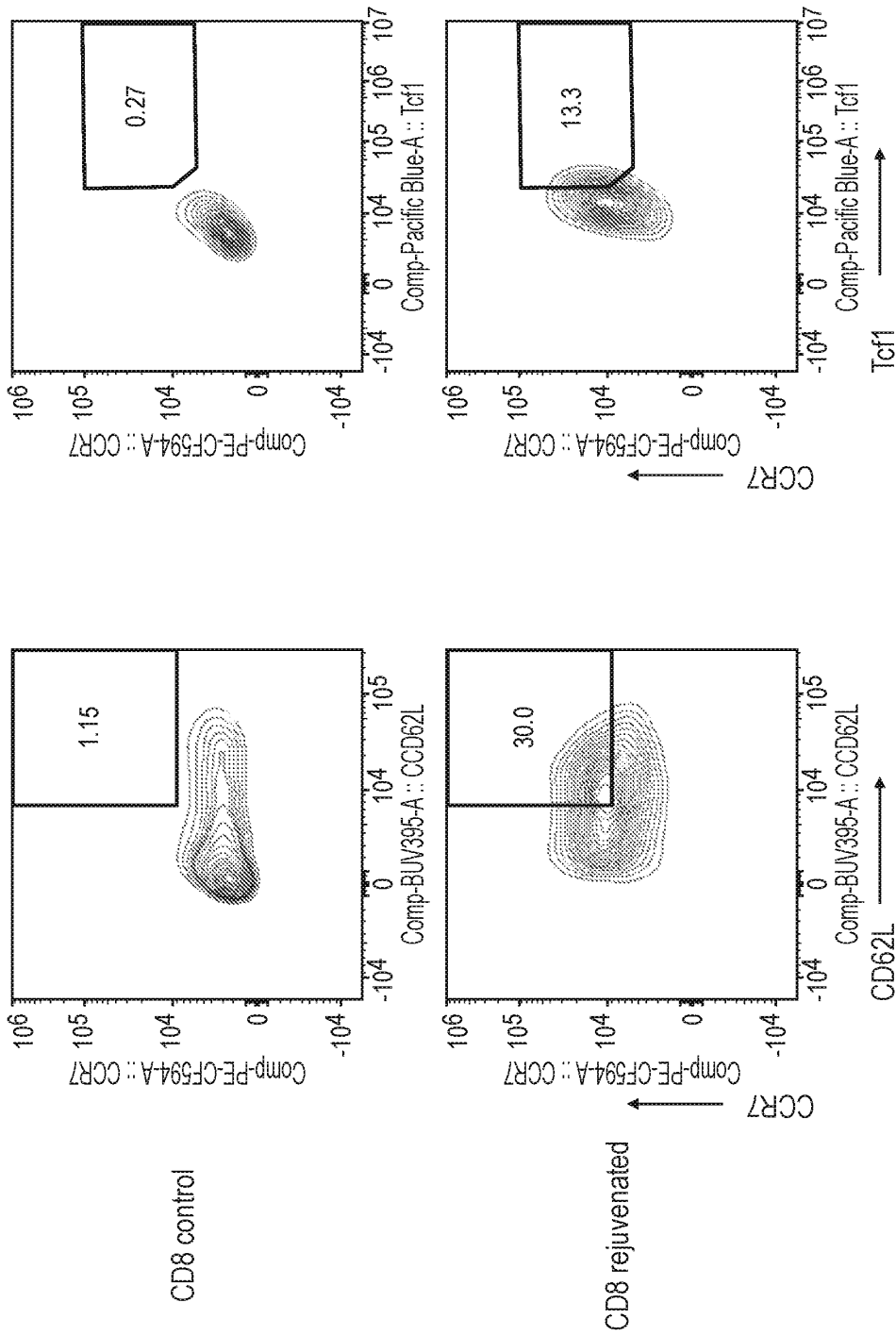


FIG. 32B

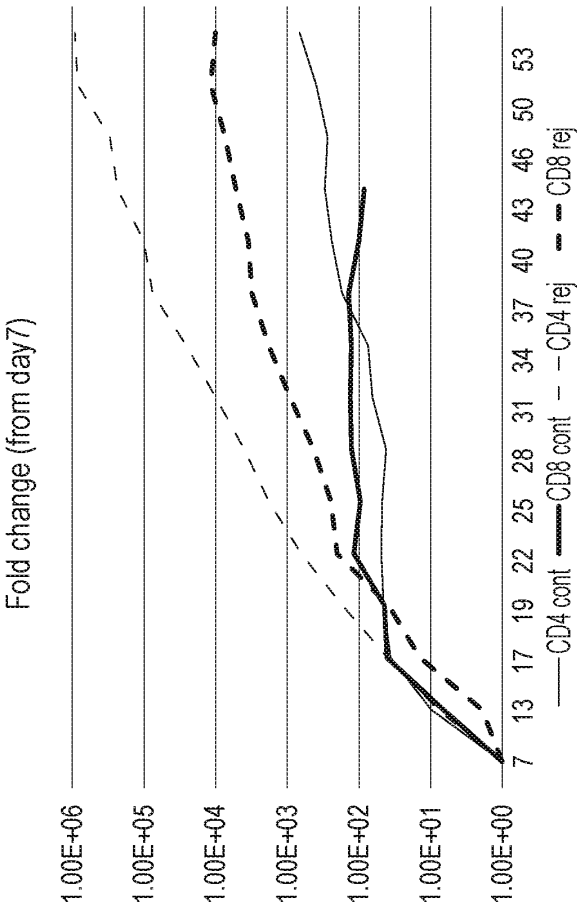


FIG. 33

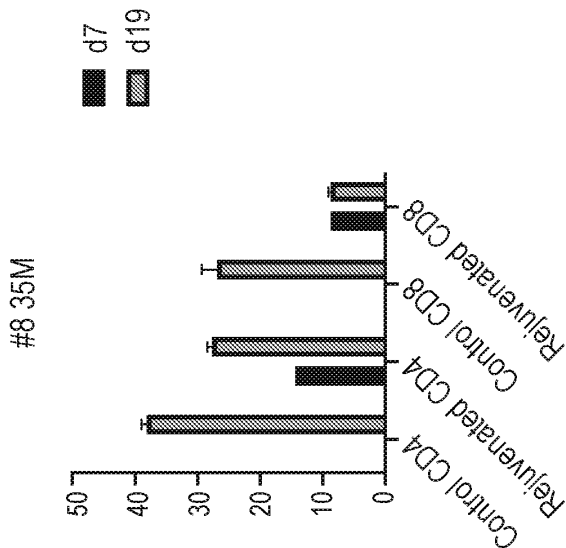


FIG. 34B

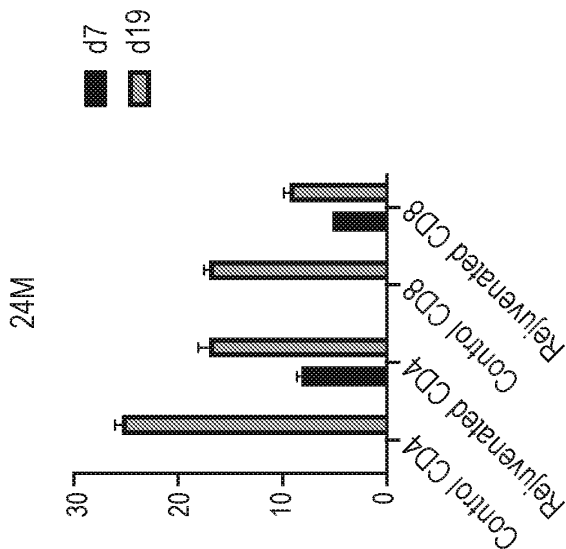


FIG. 34A

Intracellular cytokine assay

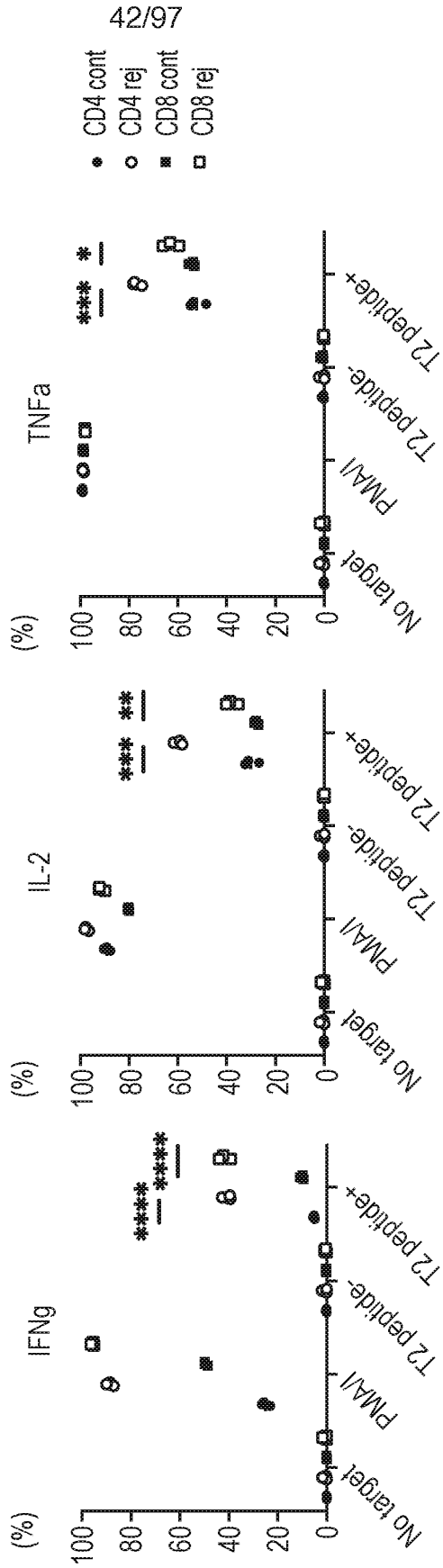


FIG. 35

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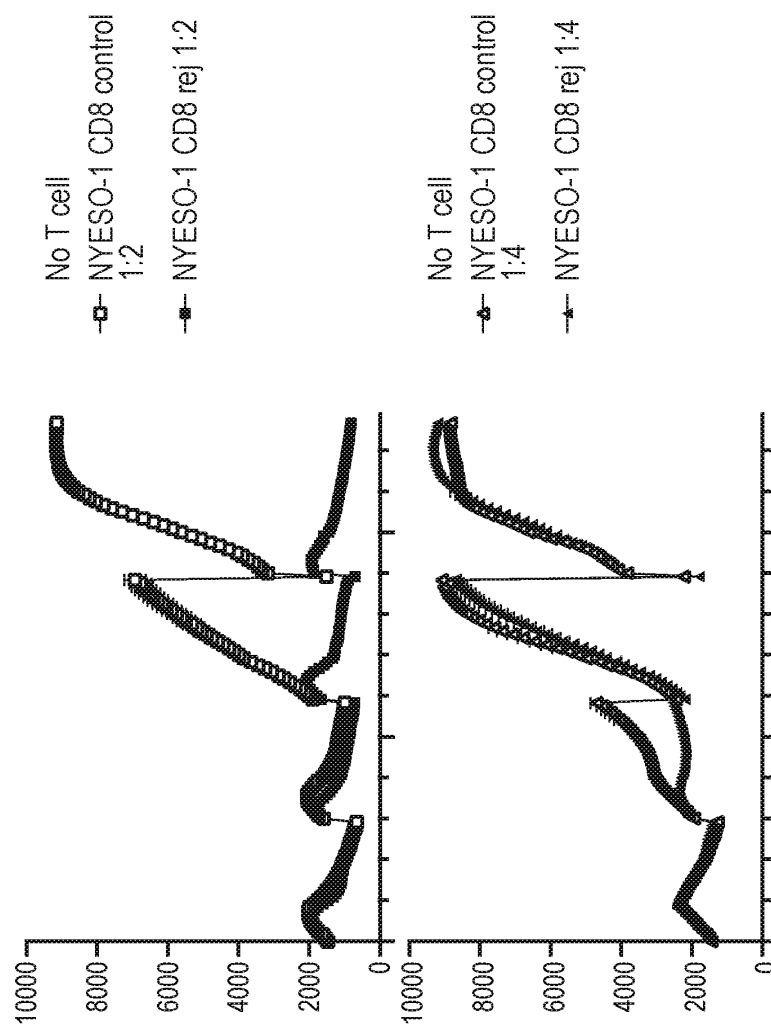


FIG. 36

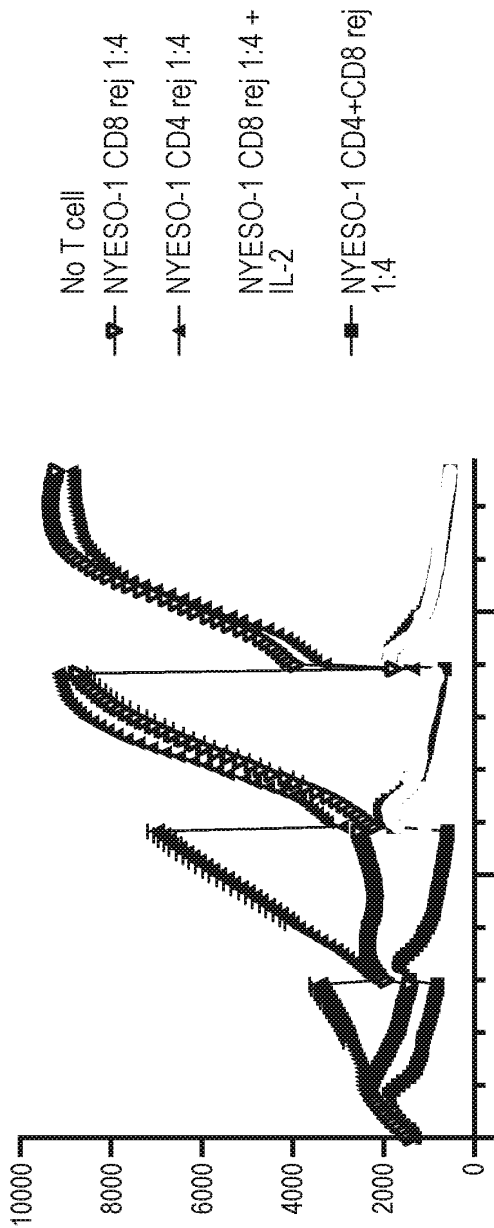


FIG. 37

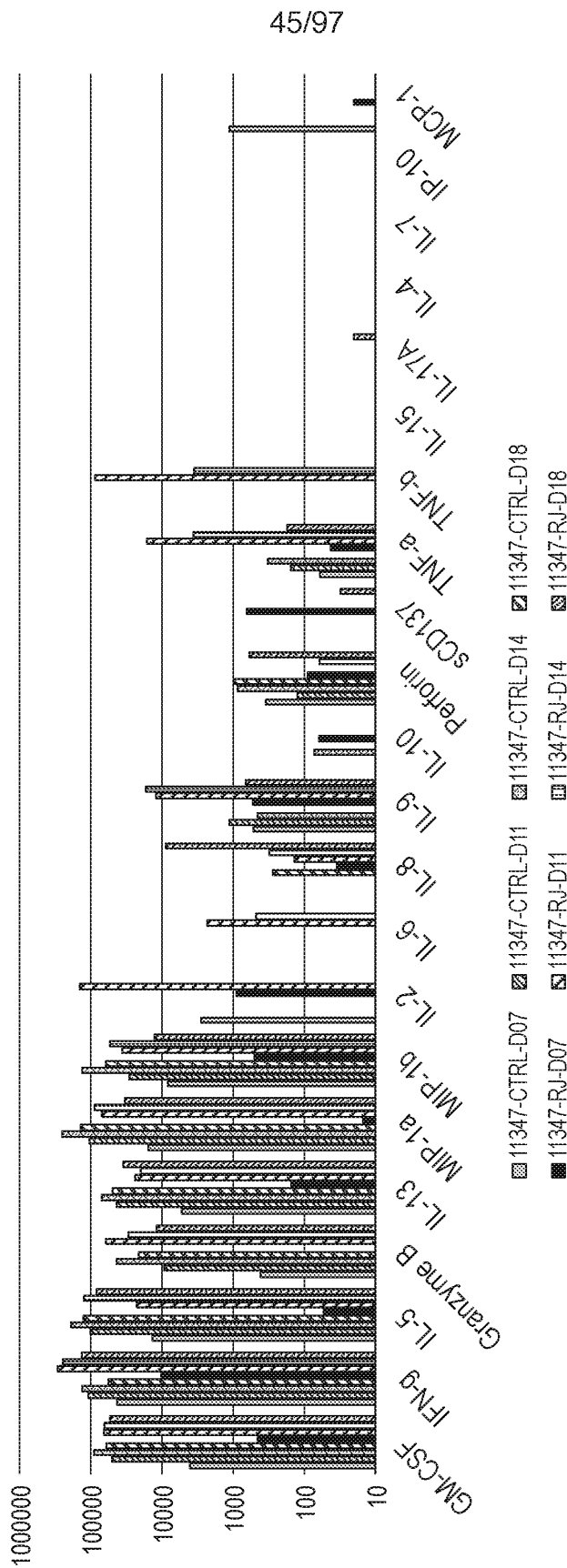


FIG. 38A

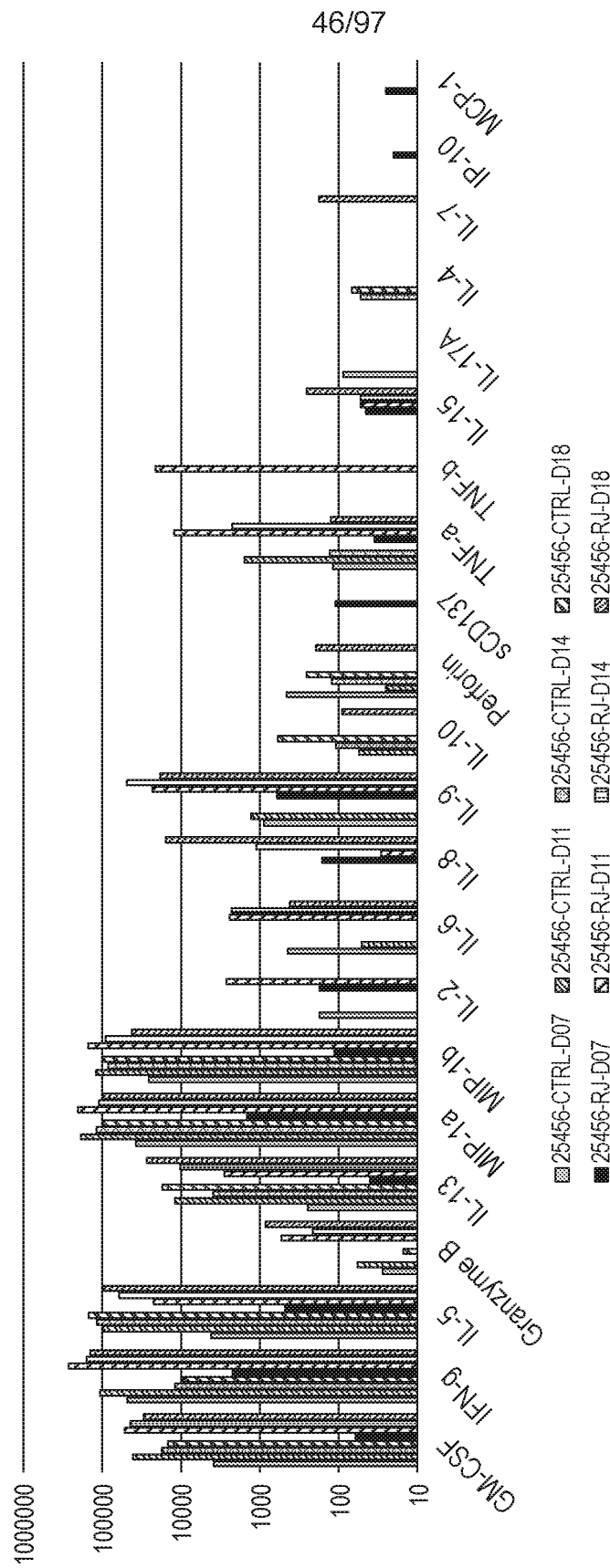


FIG. 38B

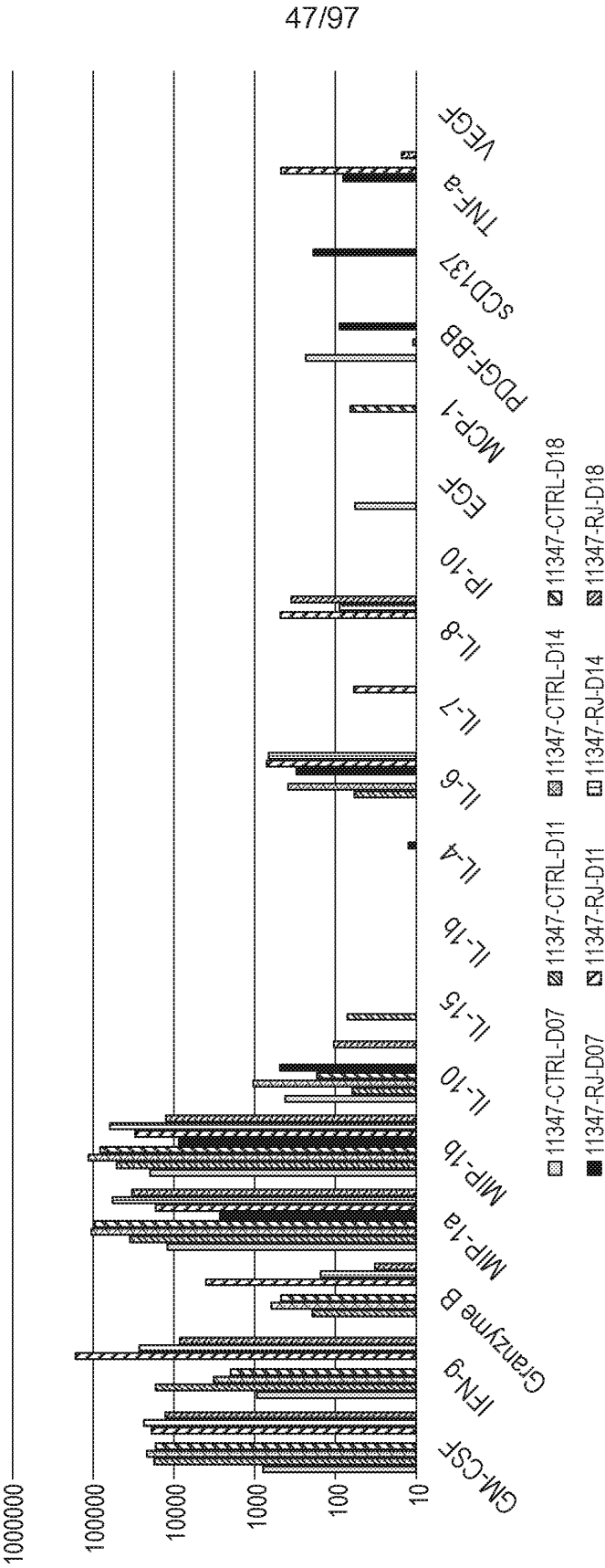


FIG. 39A

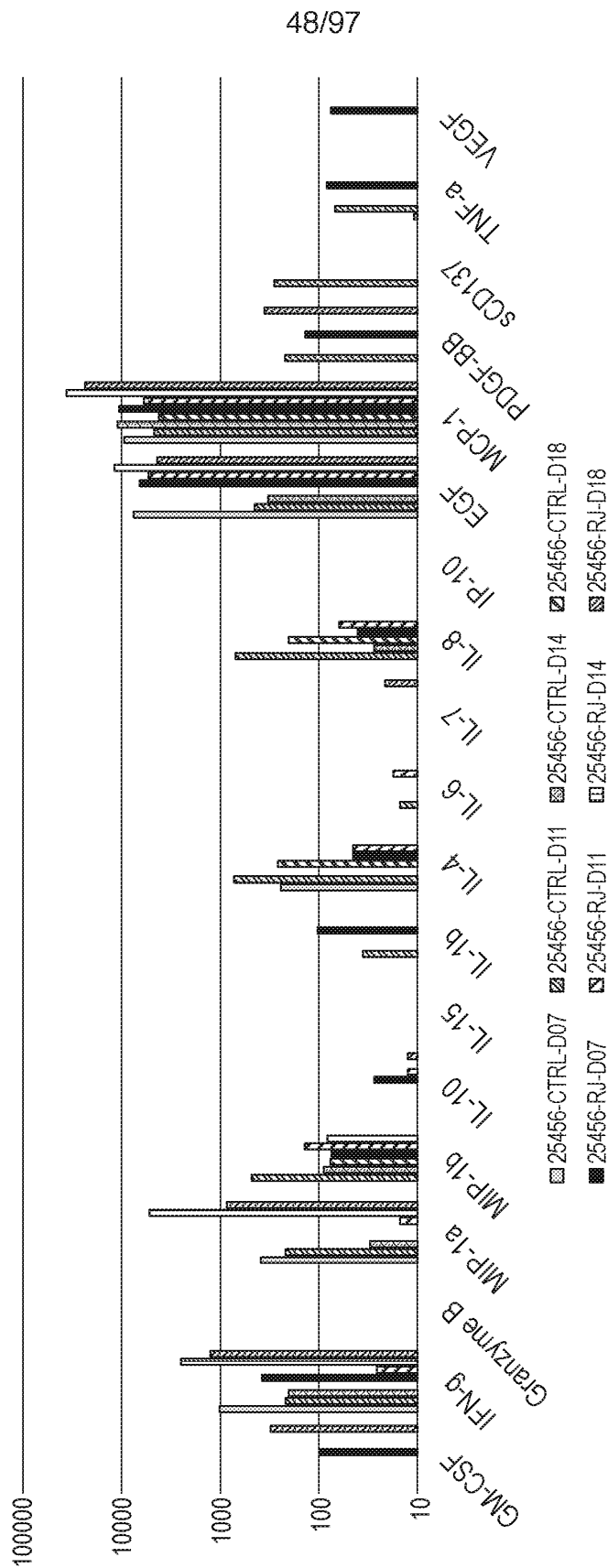


FIG. 39B

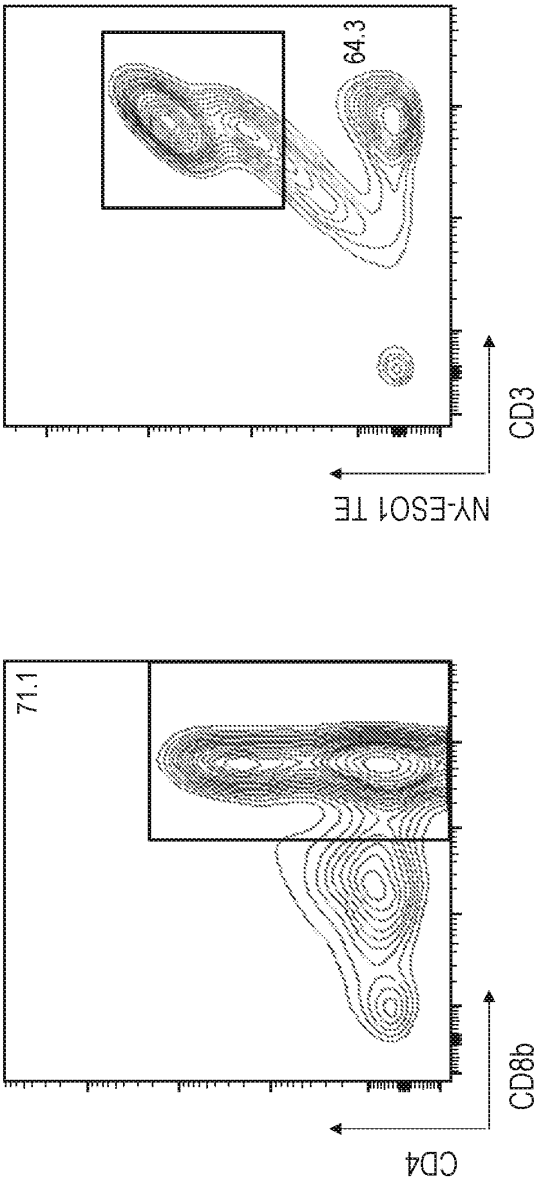


FIG. 40

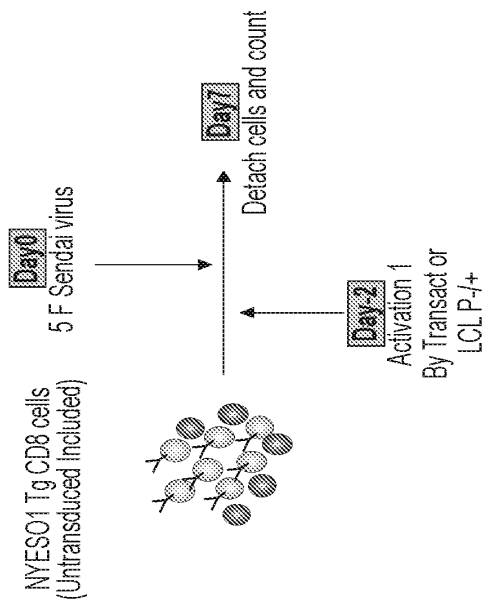


FIG. 41

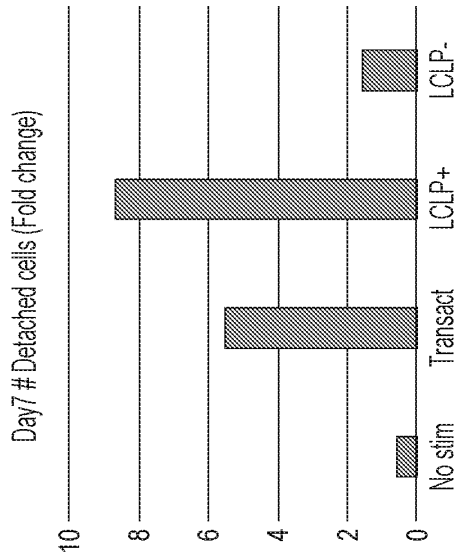


FIG. 42

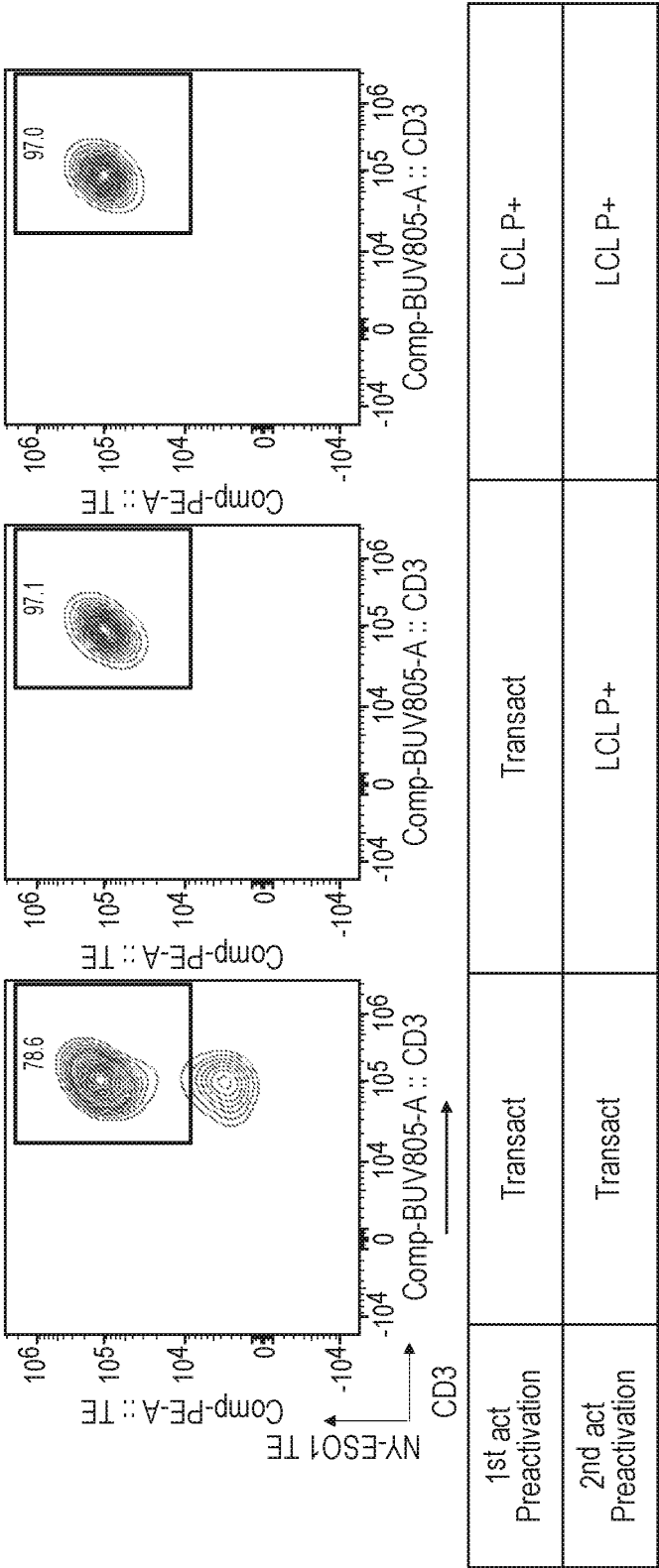


FIG. 43

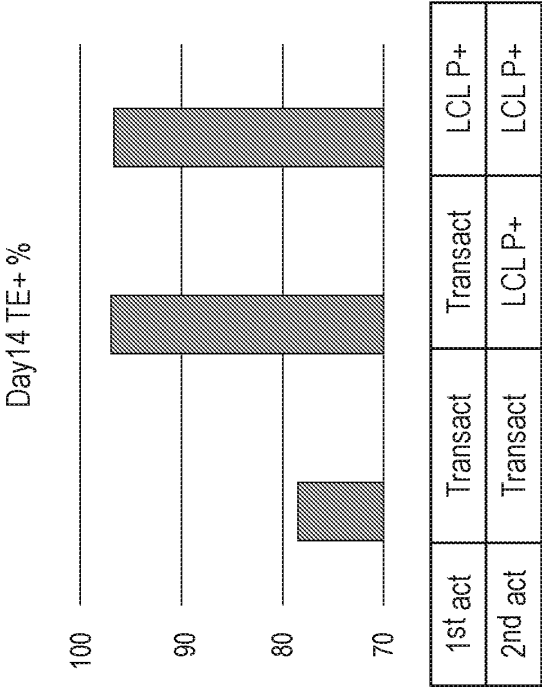


FIG. 44

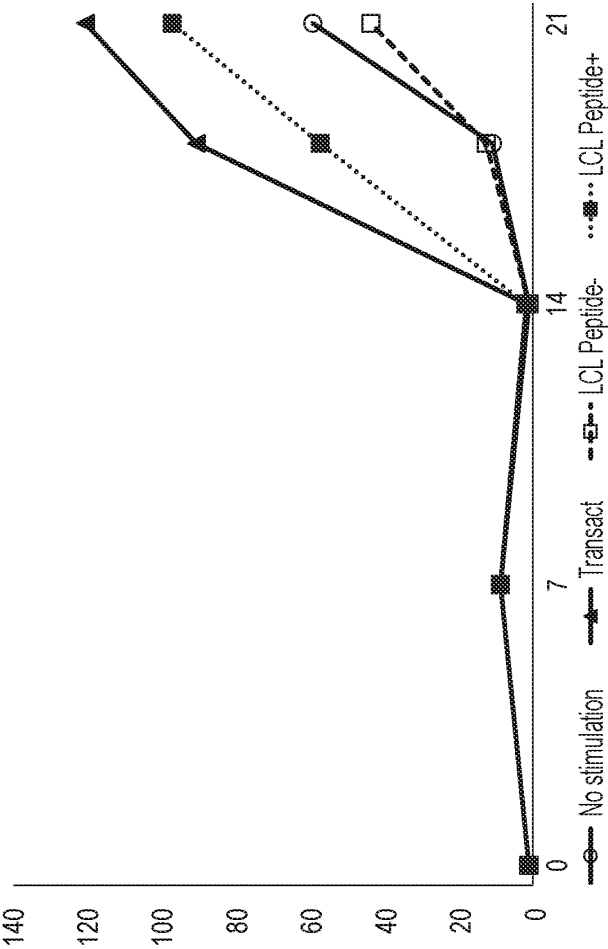


FIG. 45

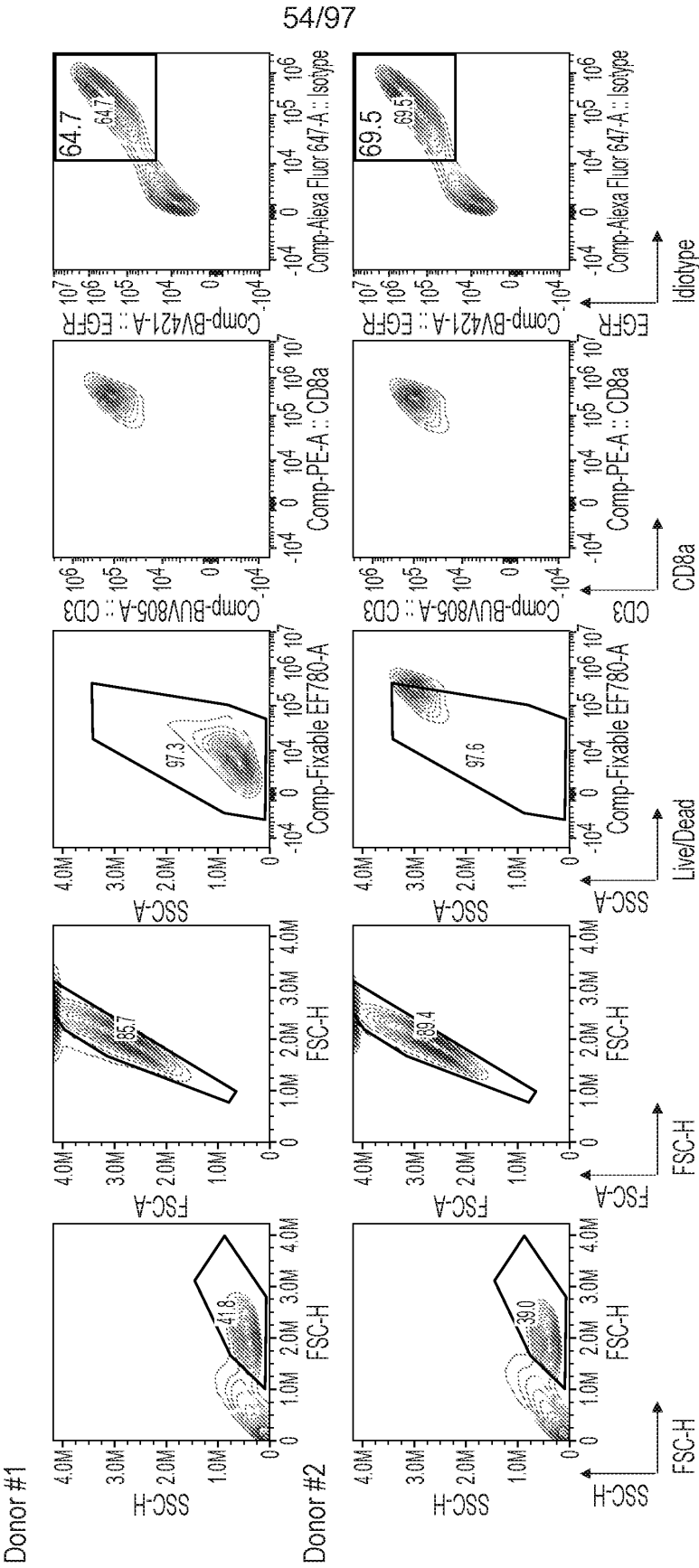


FIG. 46

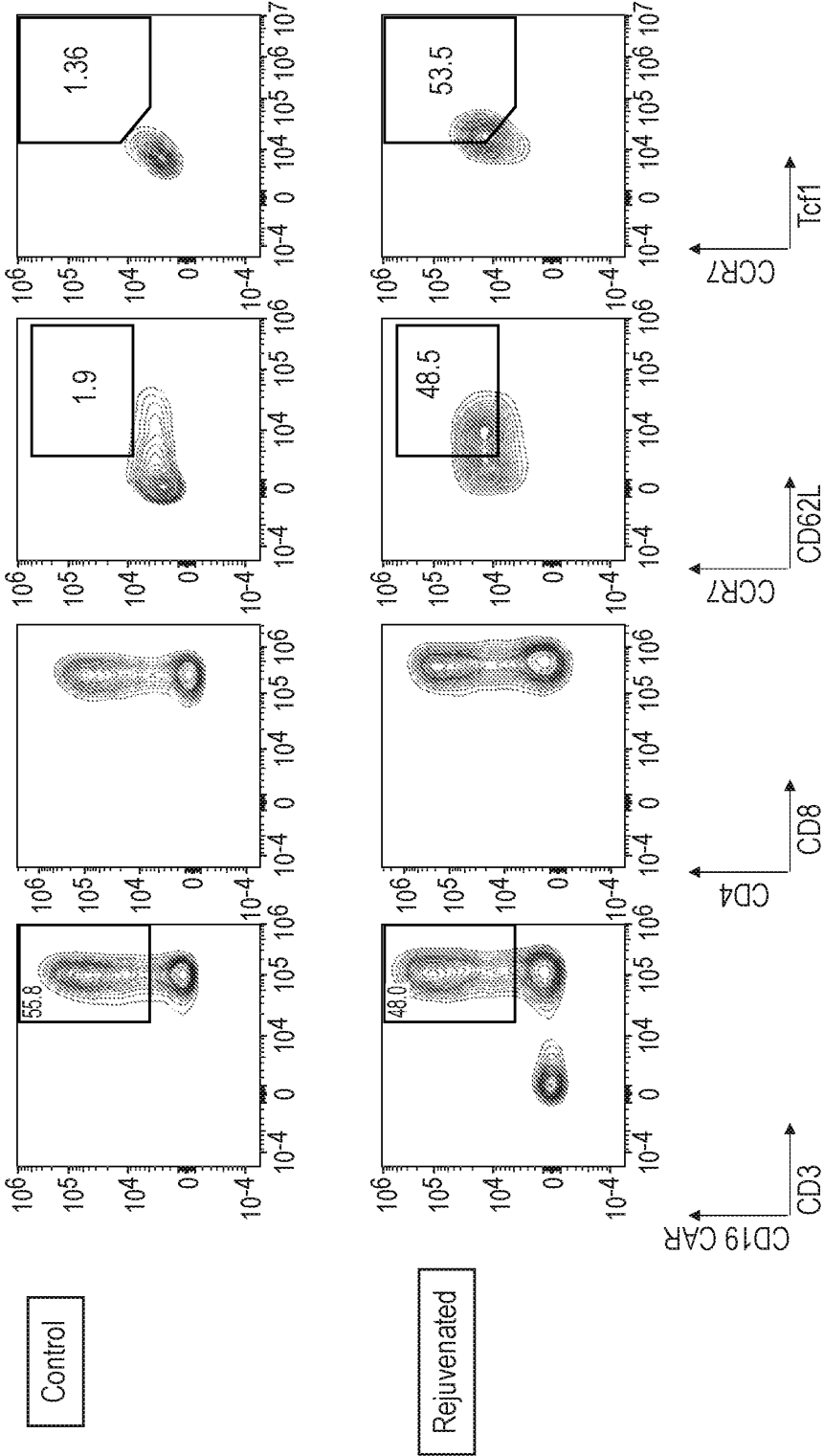


FIG. 47

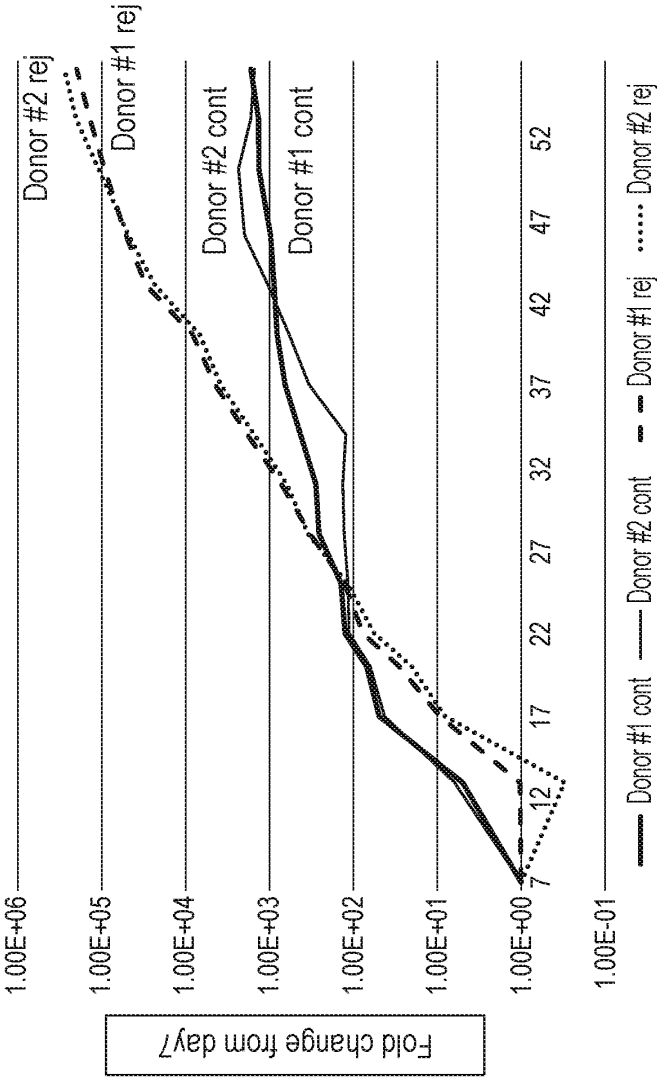


FIG. 48

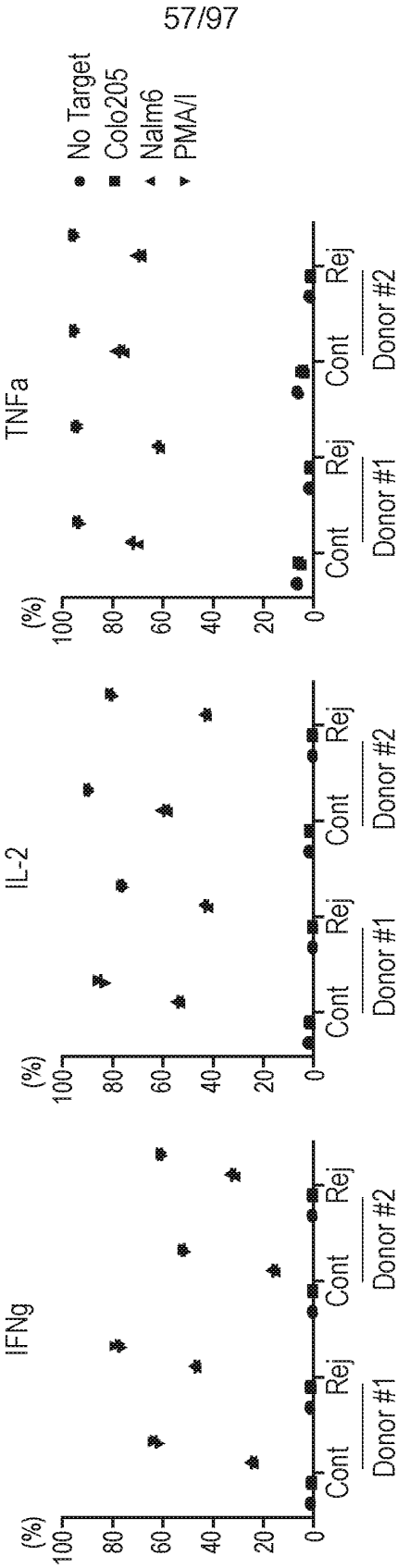


FIG. 49

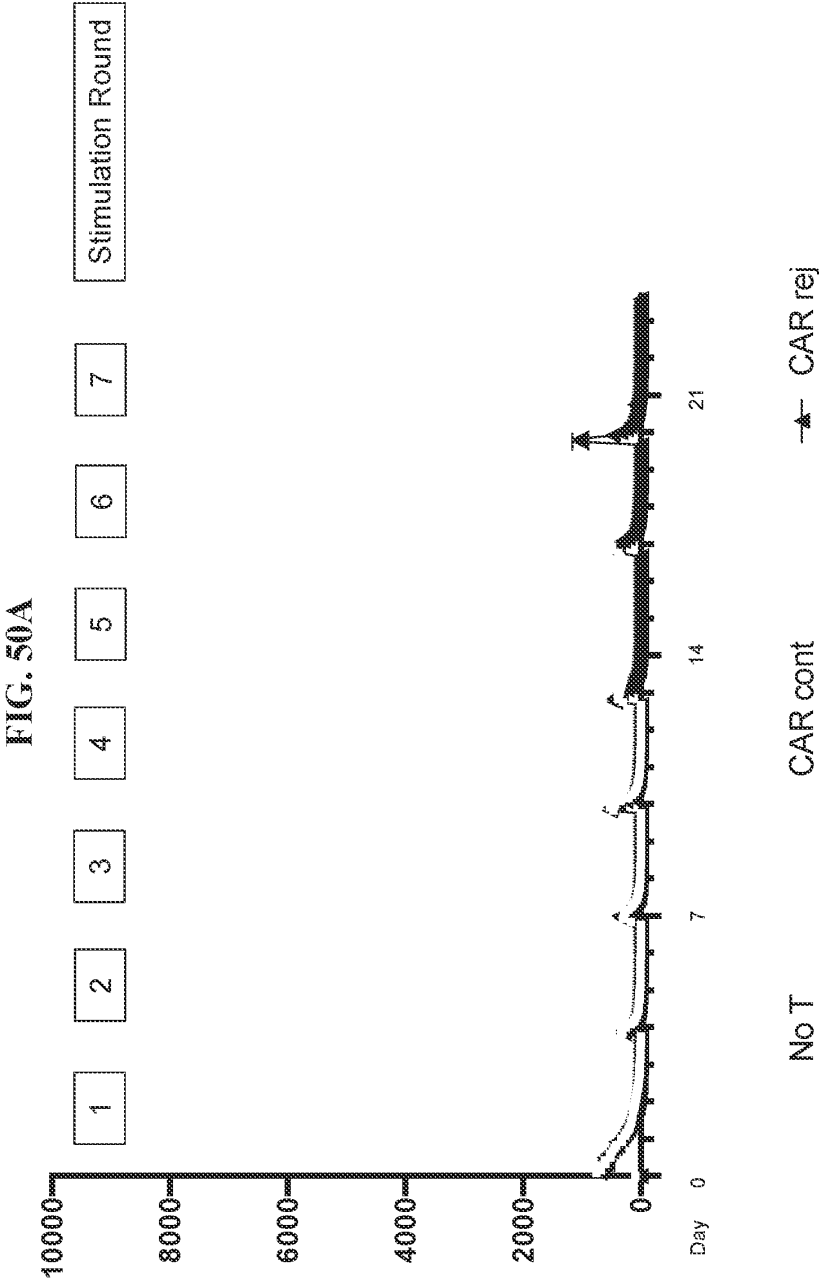
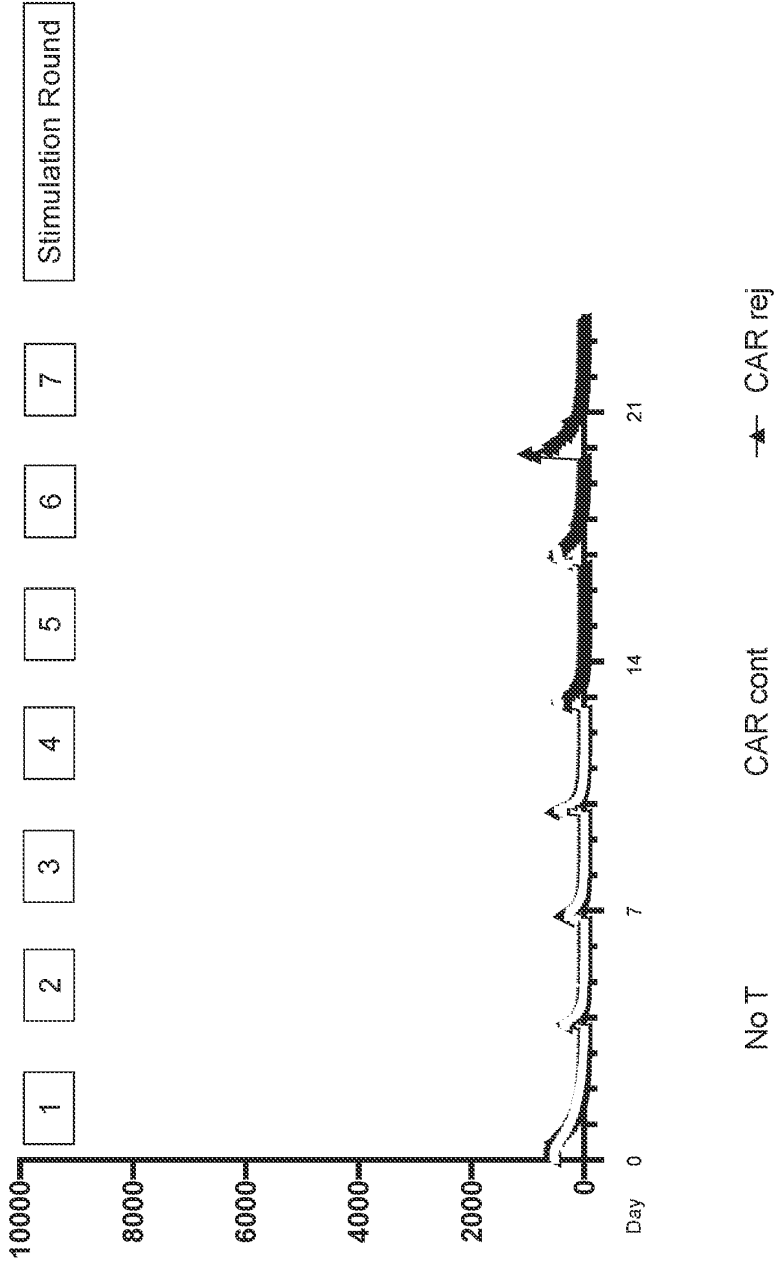


FIG. 50B



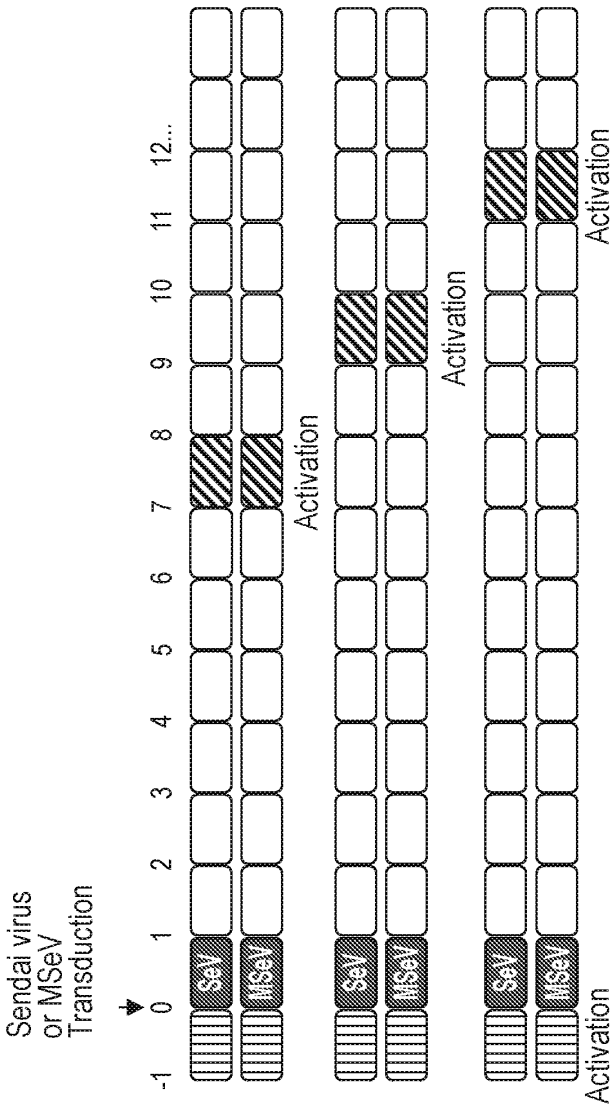


FIG. 51

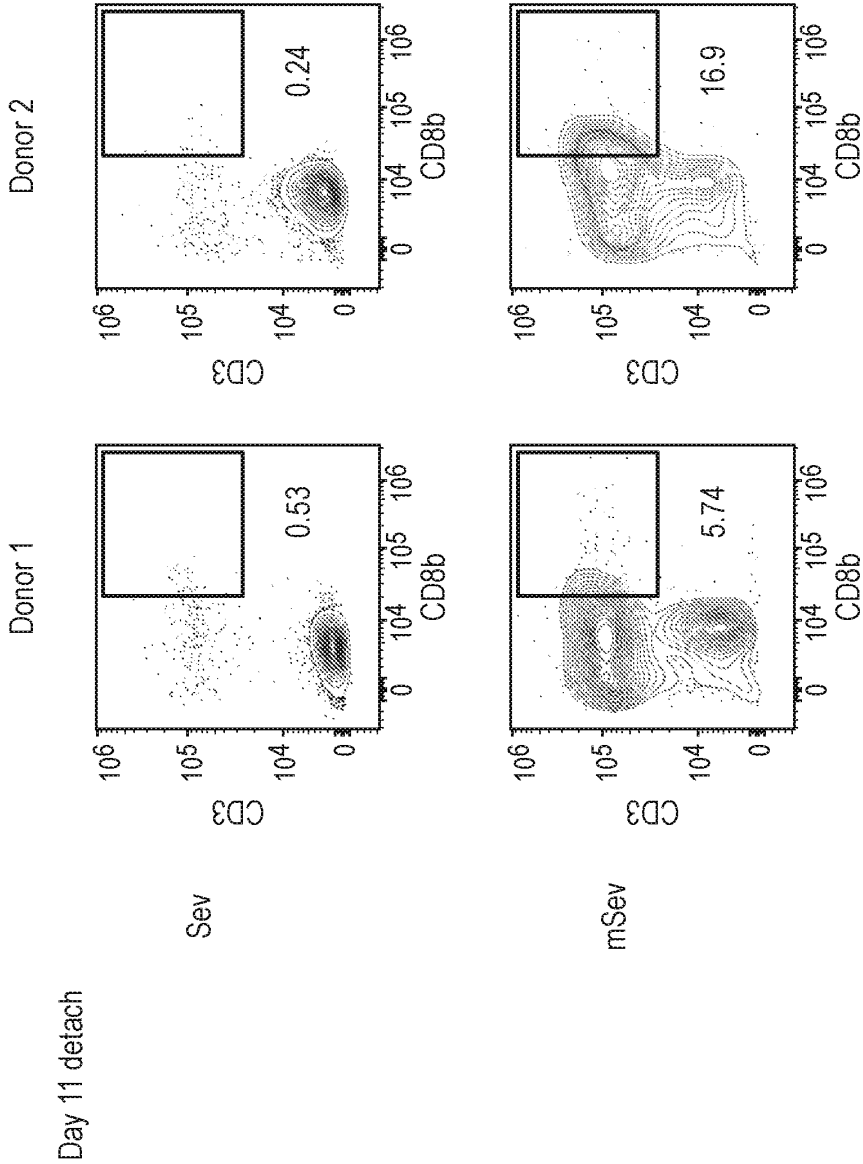


FIG. 52A

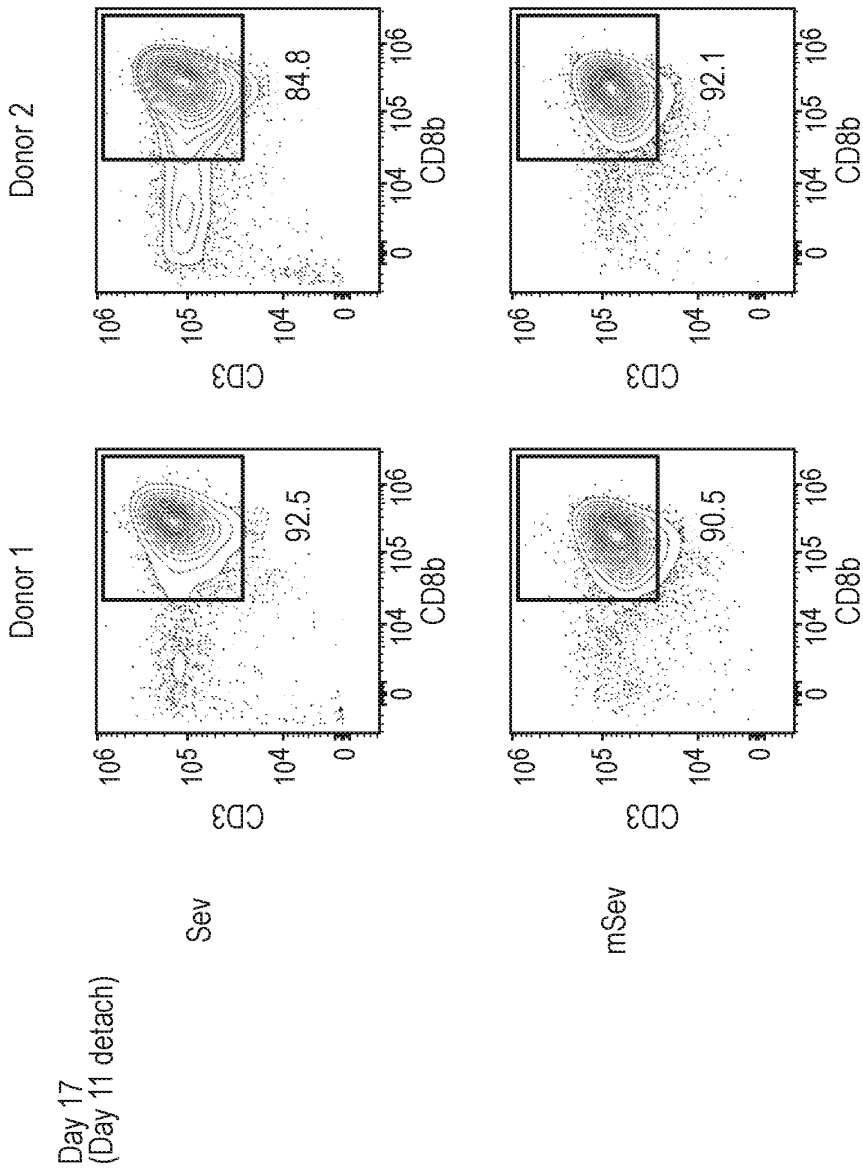


FIG. 52B

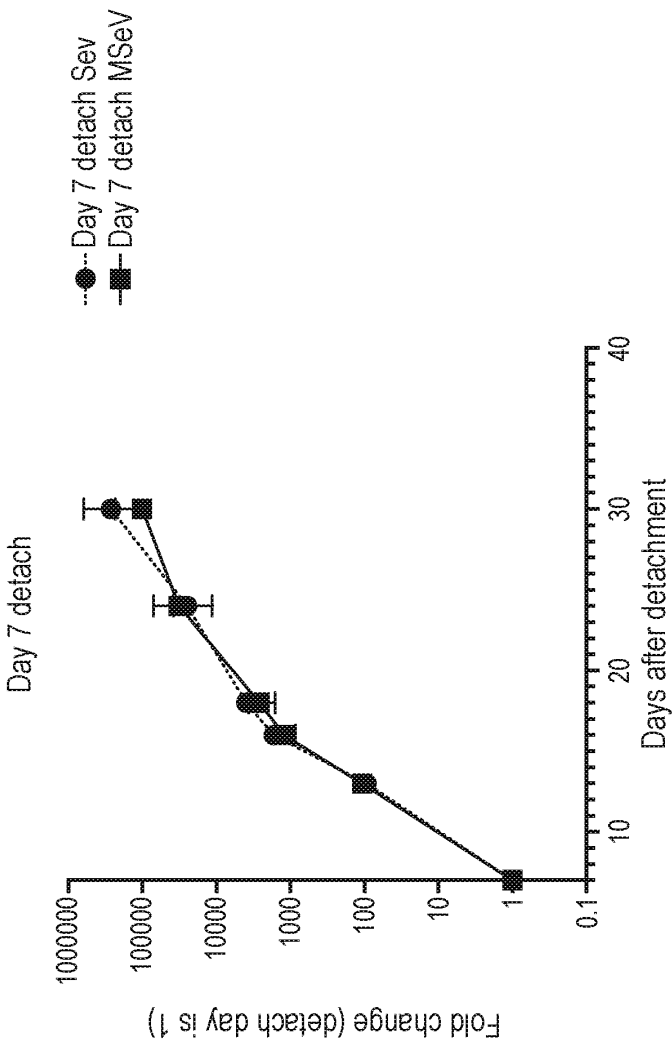


FIG. 53A

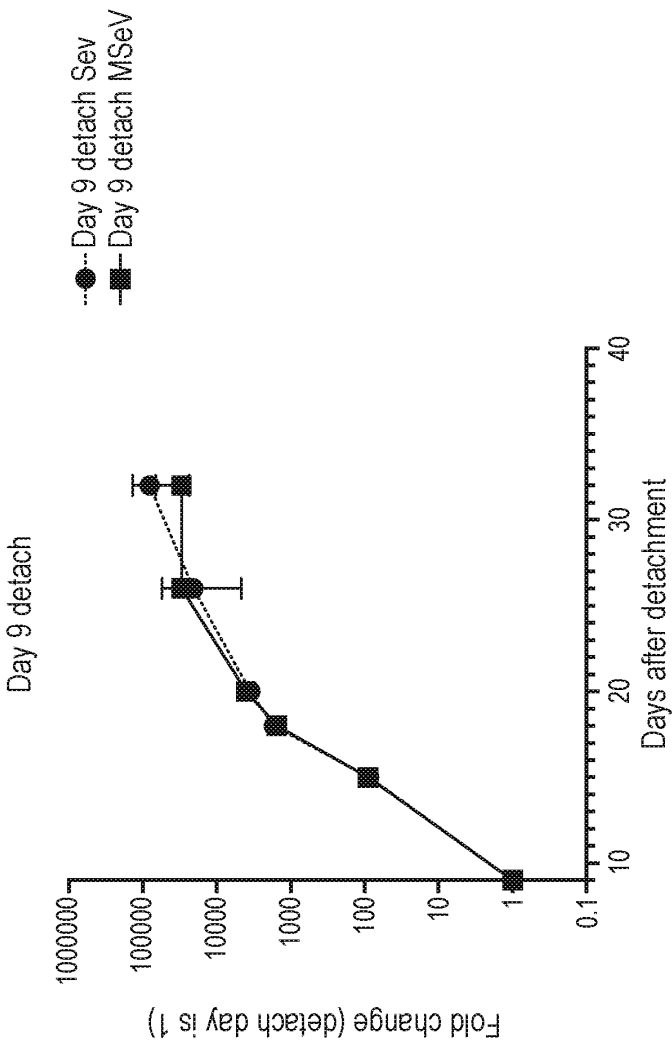


FIG. 53B

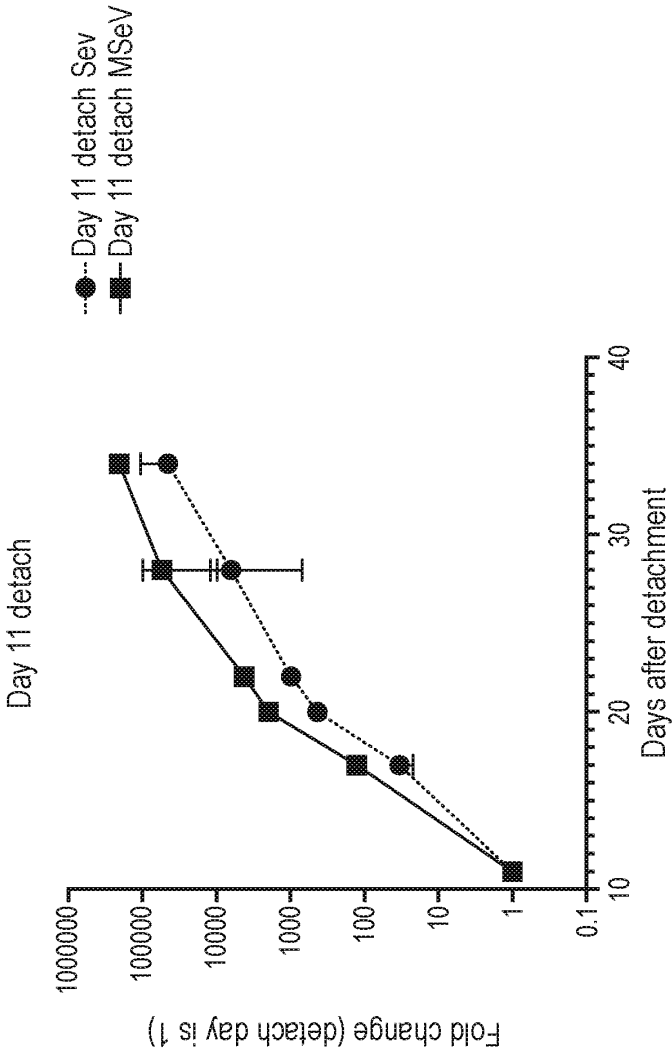


FIG. 53C

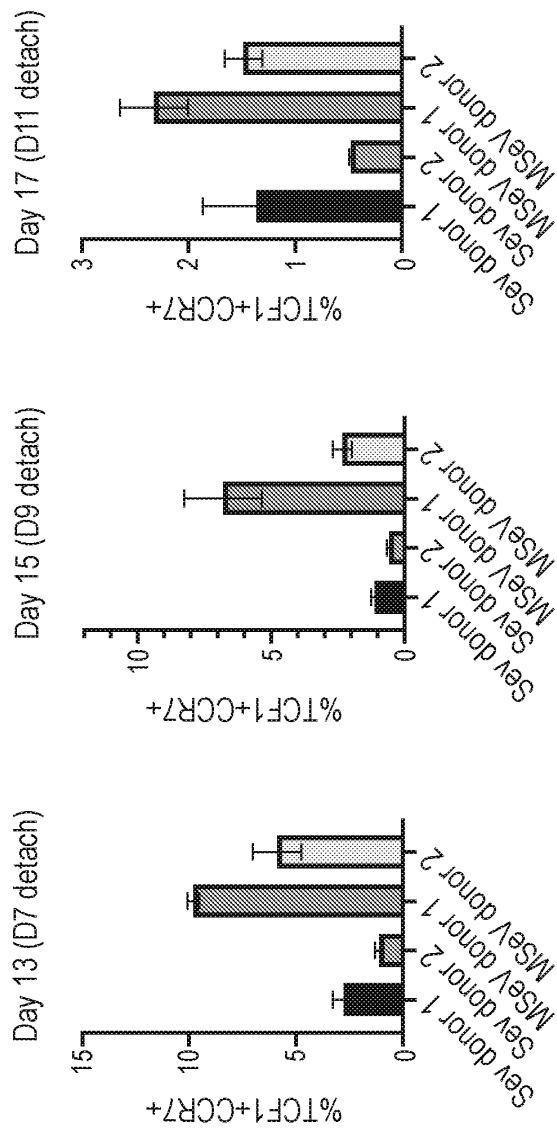


FIG. 54A

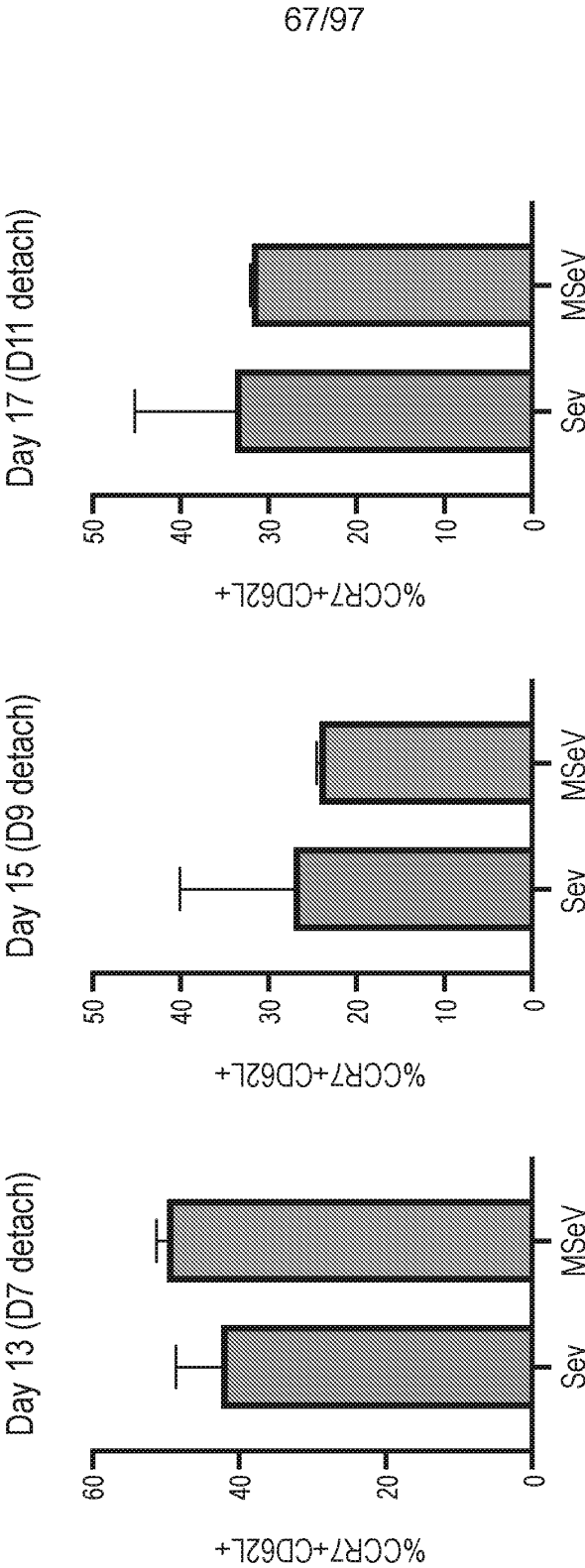


FIG. 54B

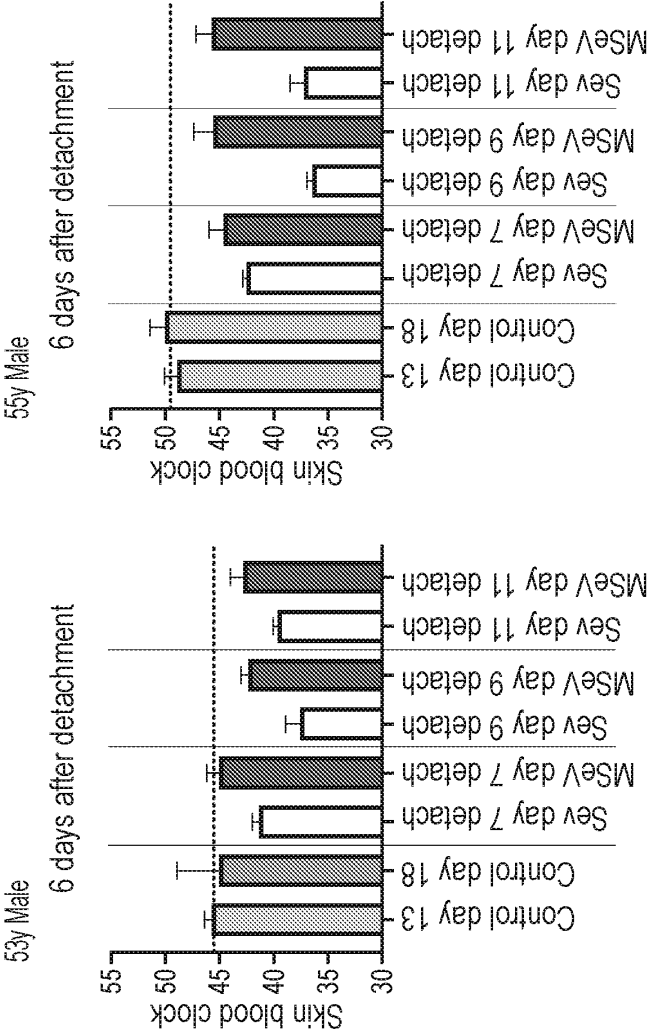


FIG. 55

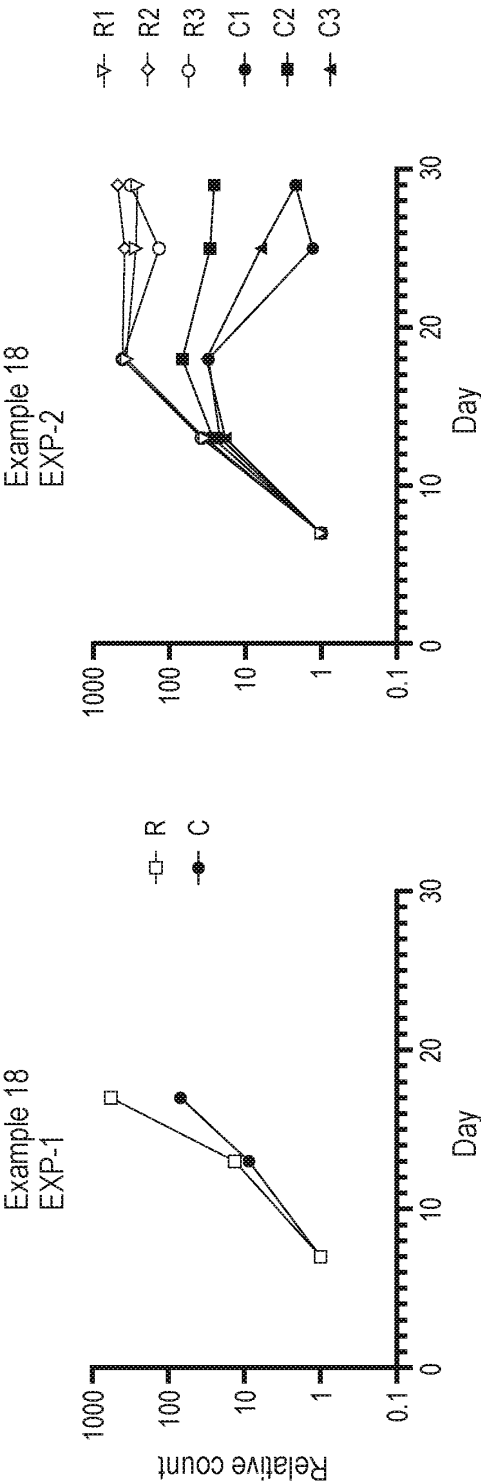


FIG. 56

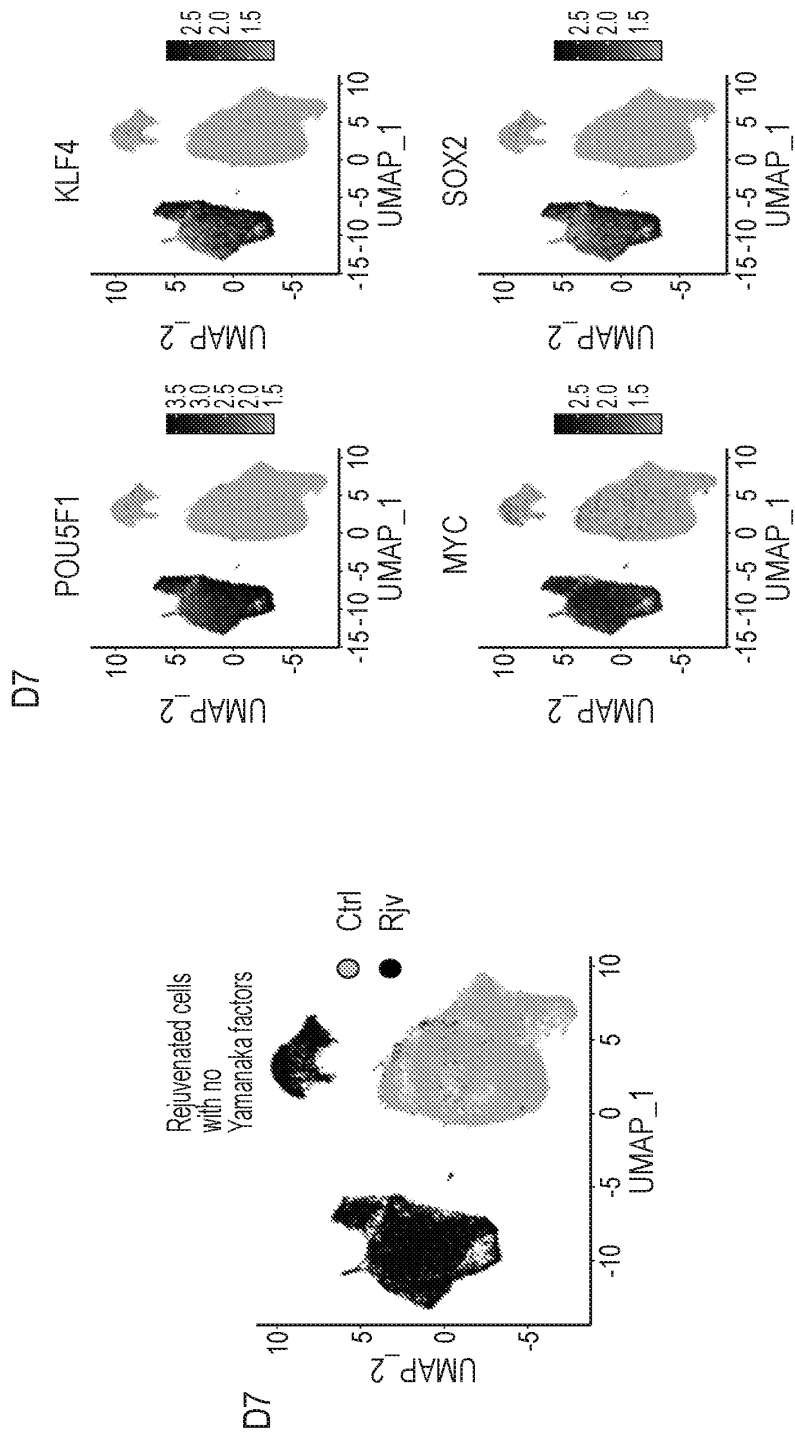


FIG. 57A

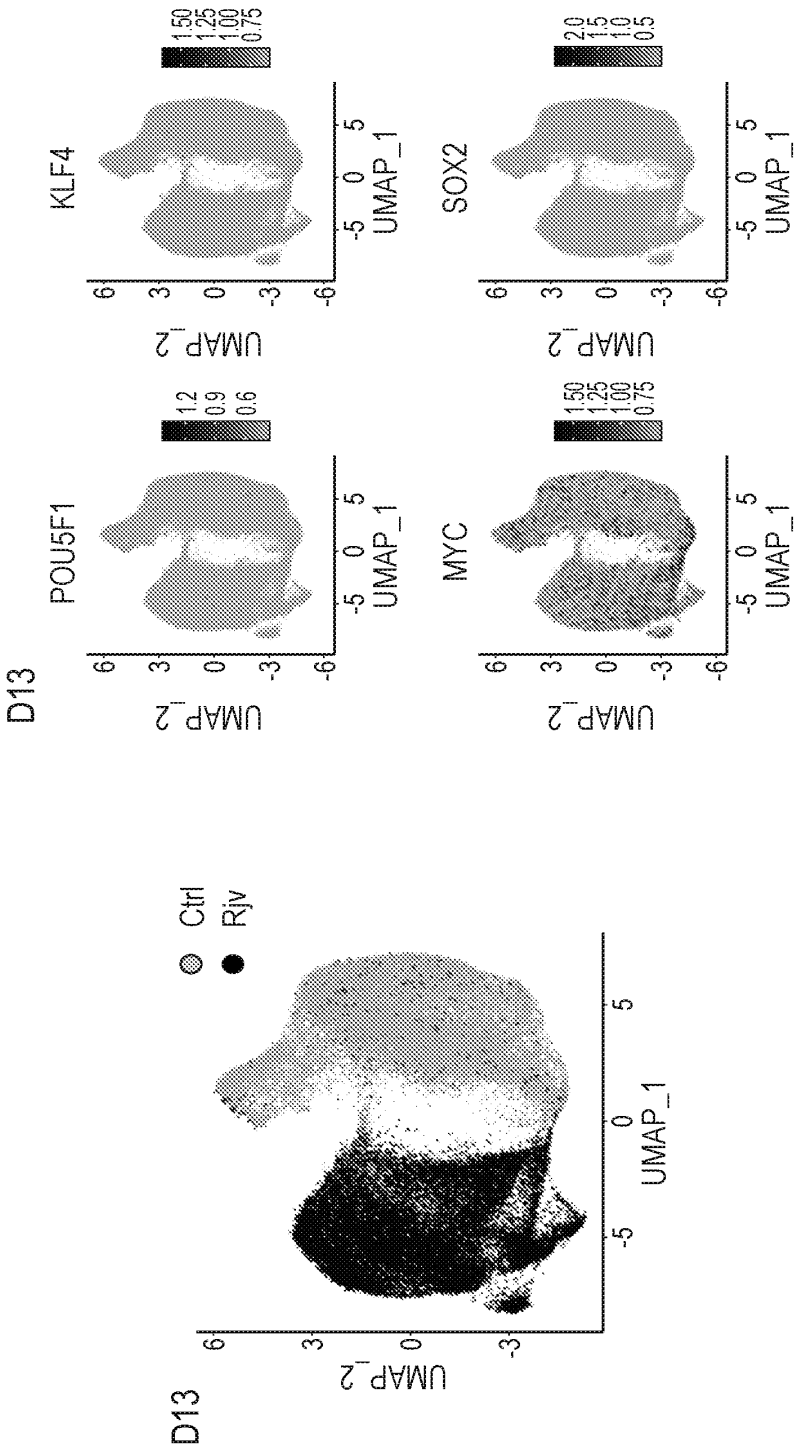


FIG. 57B

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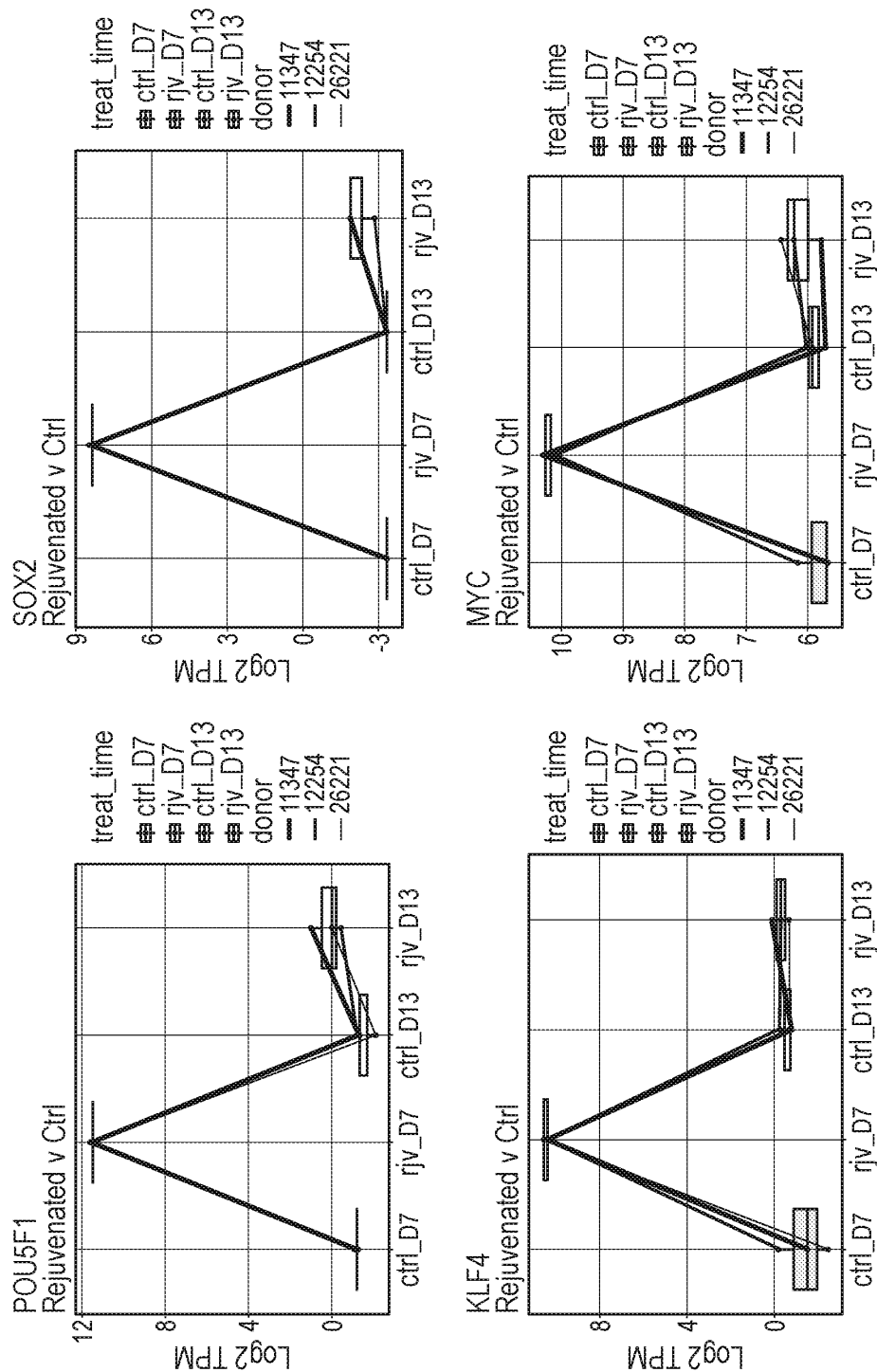


FIG. 57C

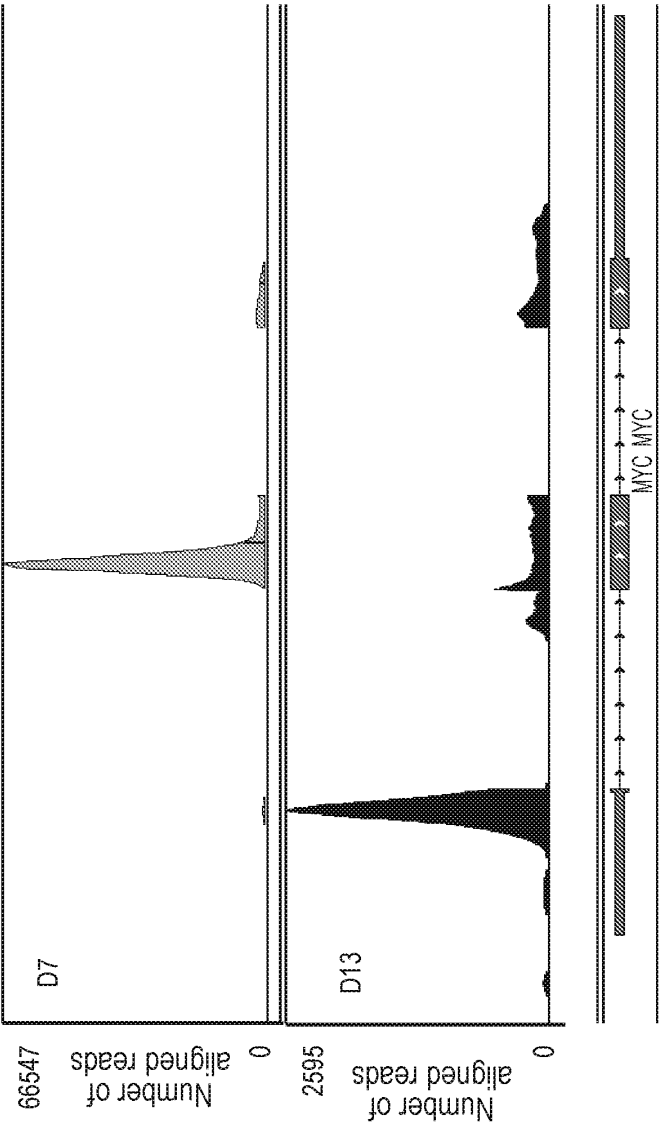


FIG. 57D

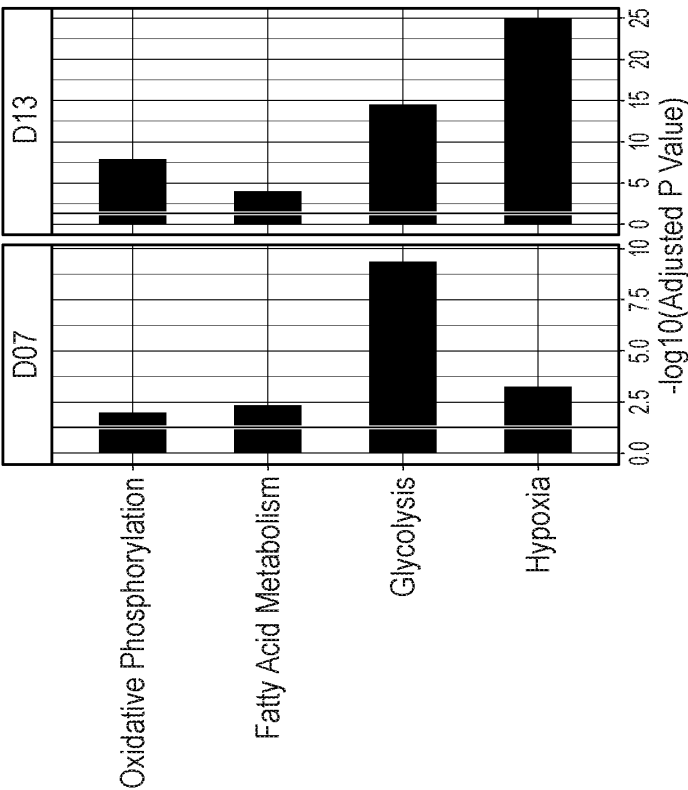


FIG. 58A

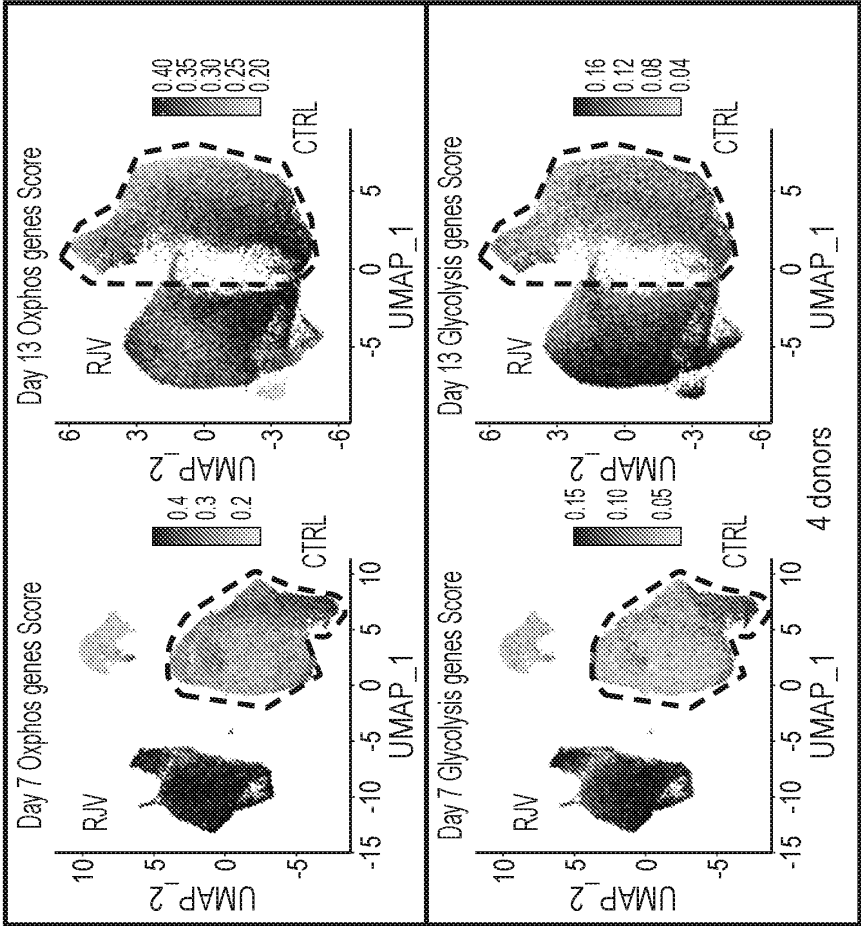


FIG. 58B

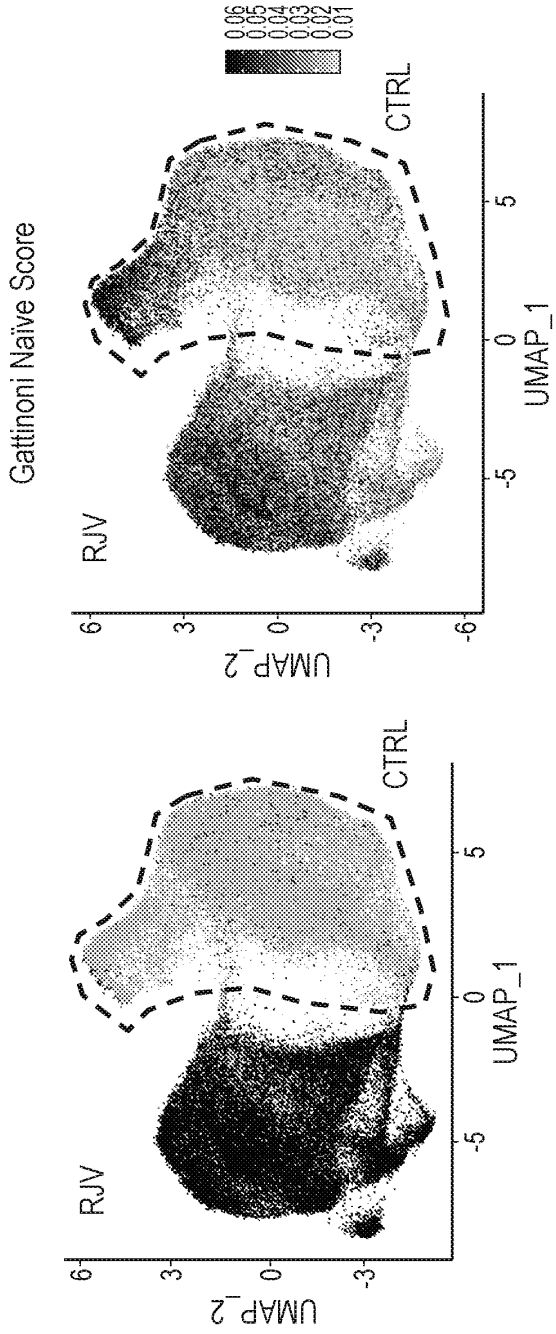


FIG. 59A

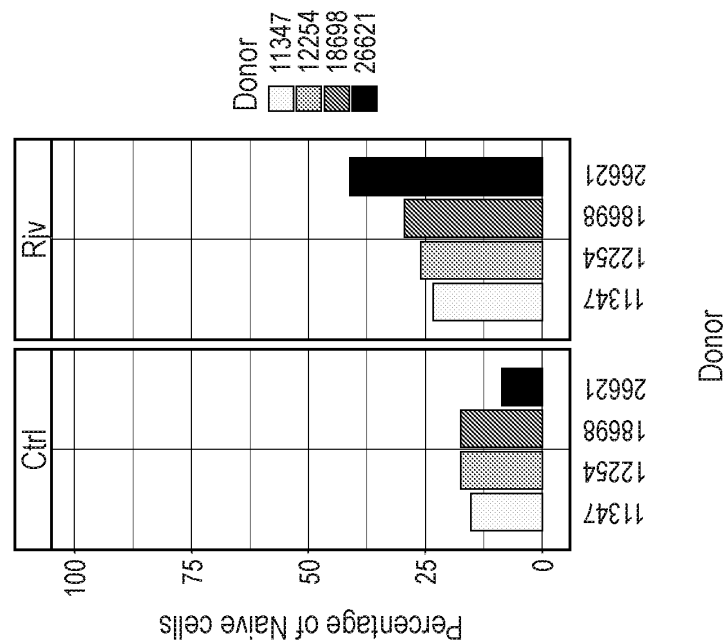


FIG. 59B

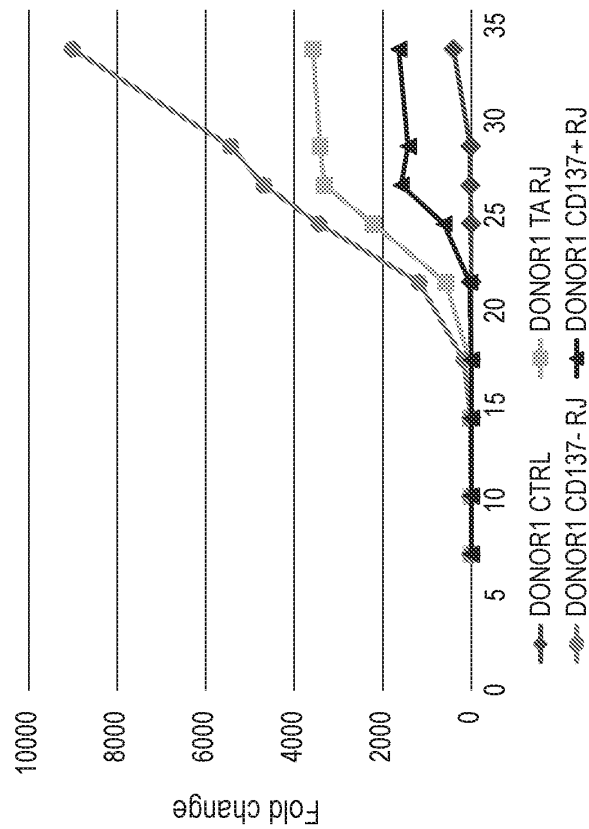


FIG. 60A

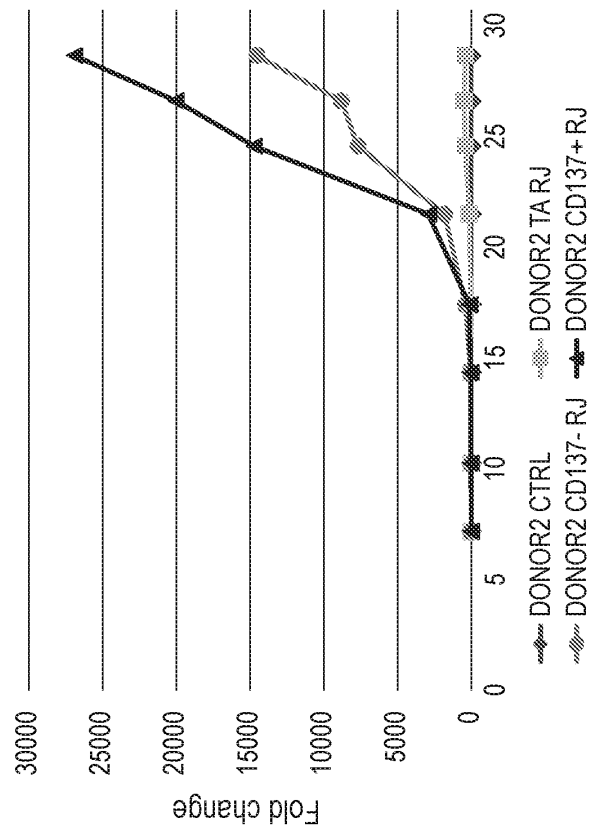


FIG. 60B

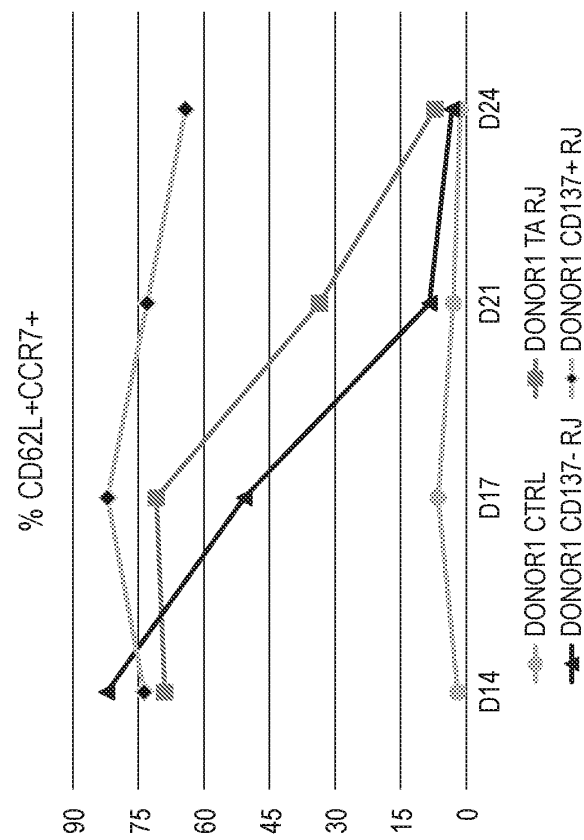


FIG. 61A

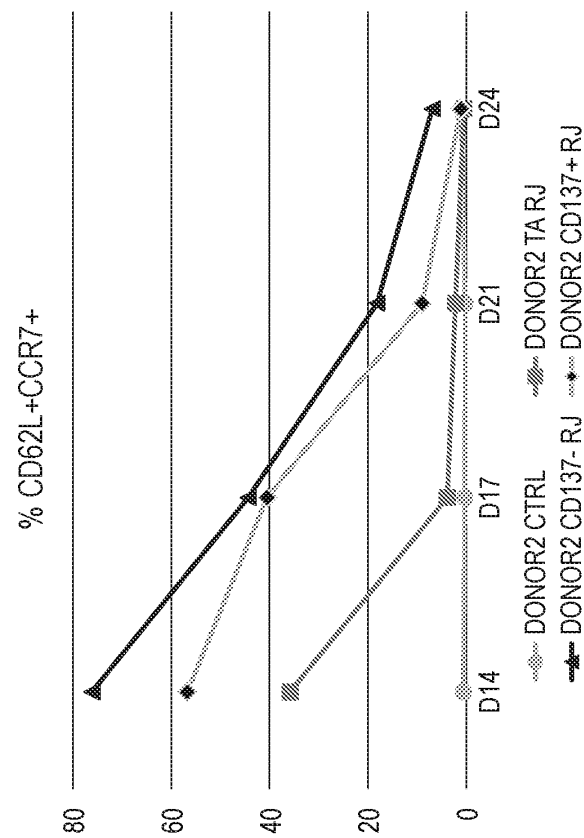


FIG. 61B

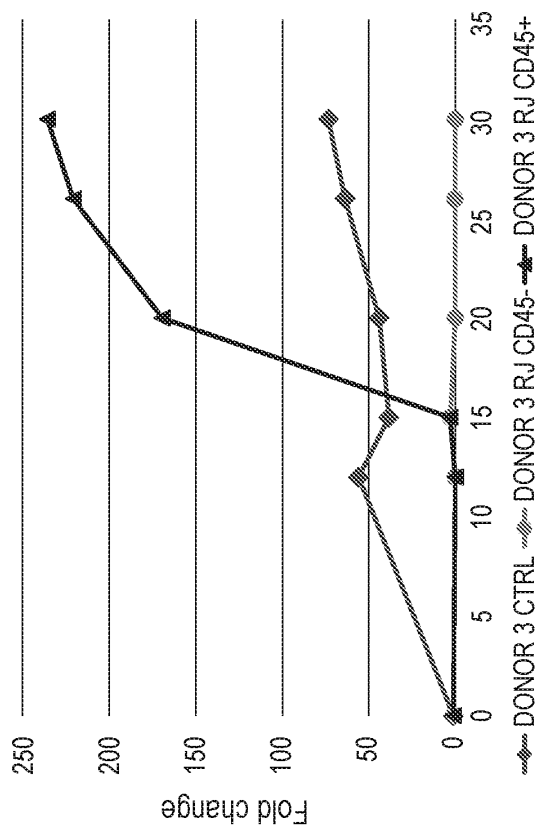


FIG. 62

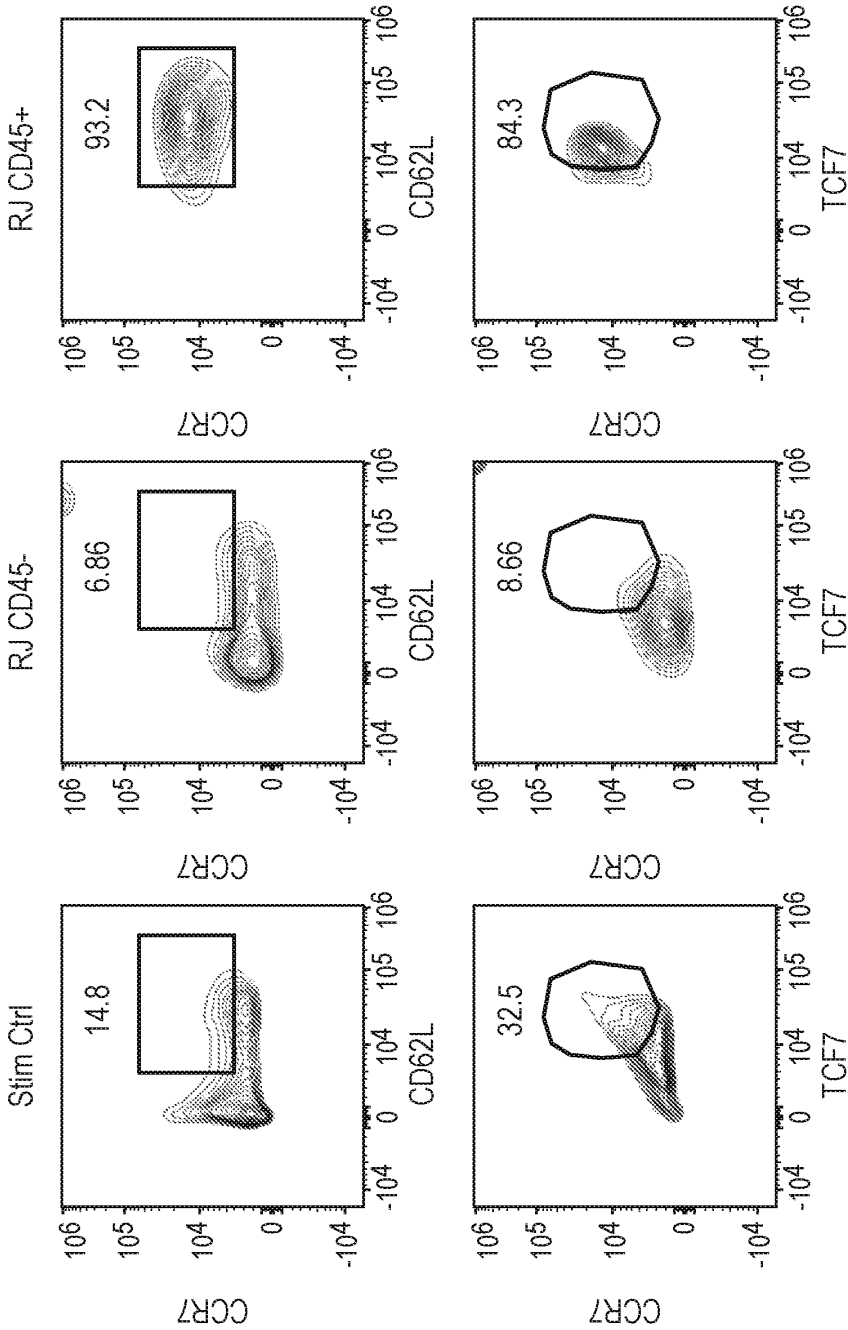


FIG. 63

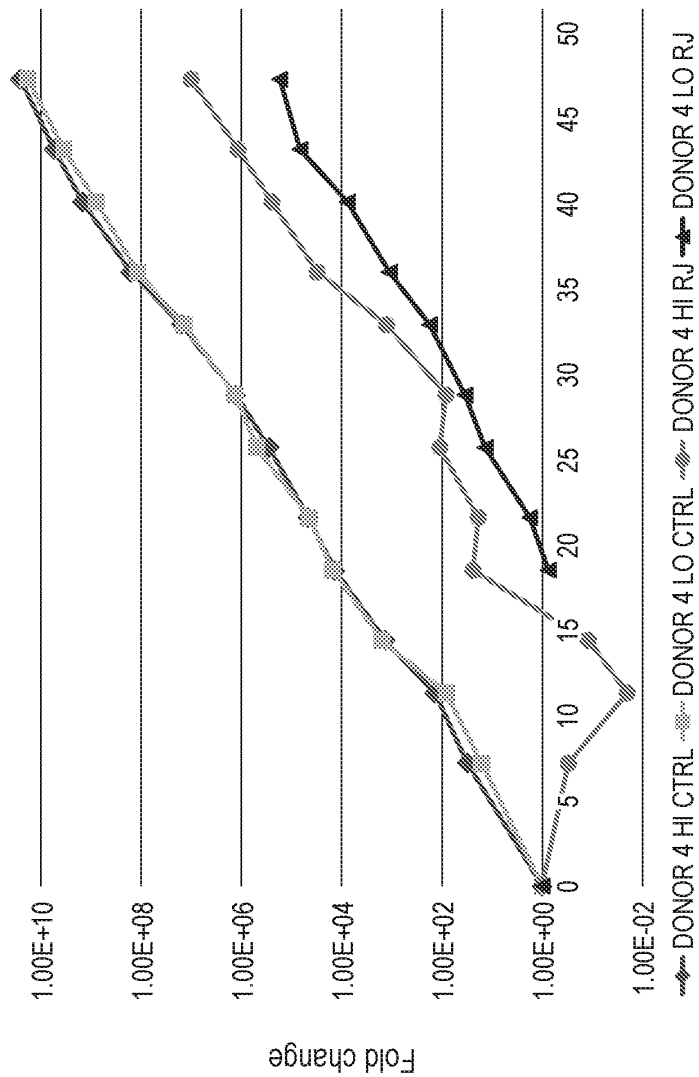


FIG. 64

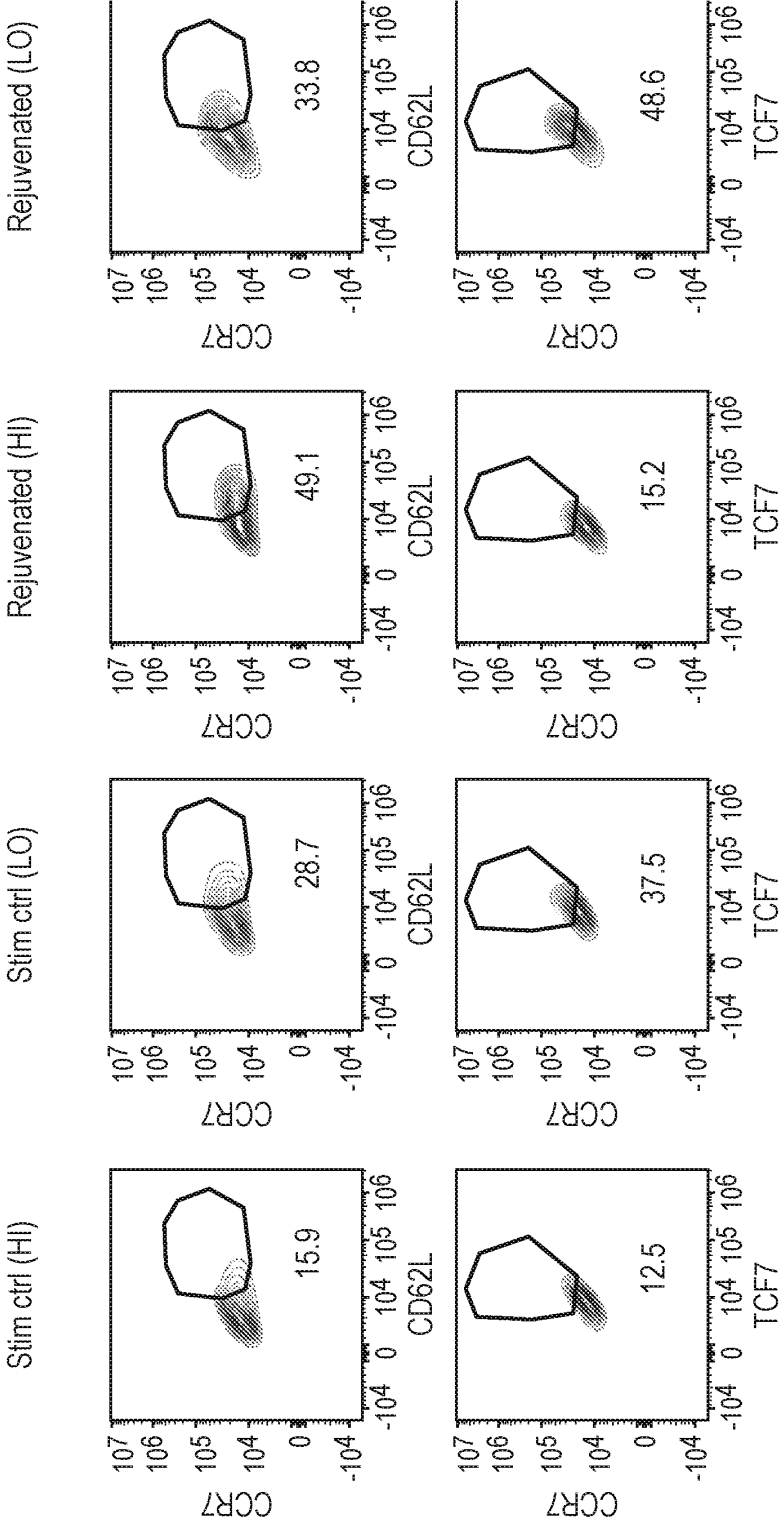


FIG. 65

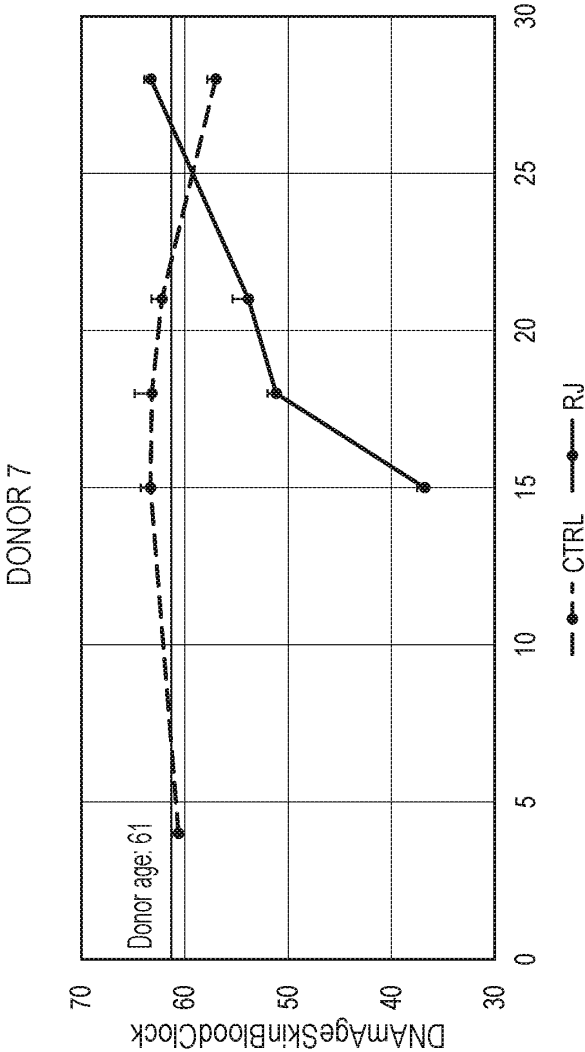


FIG. 66

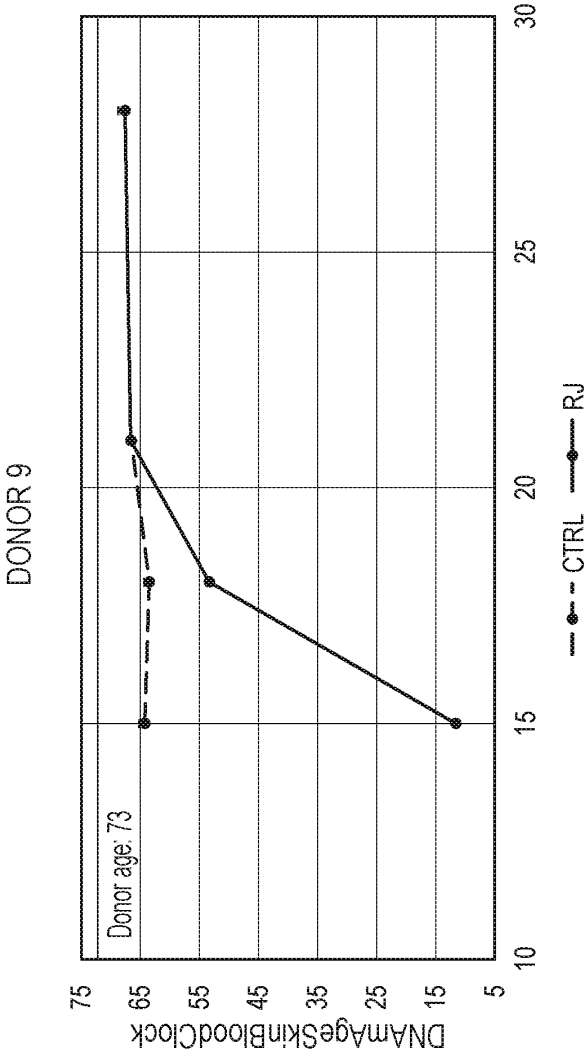


FIG. 67

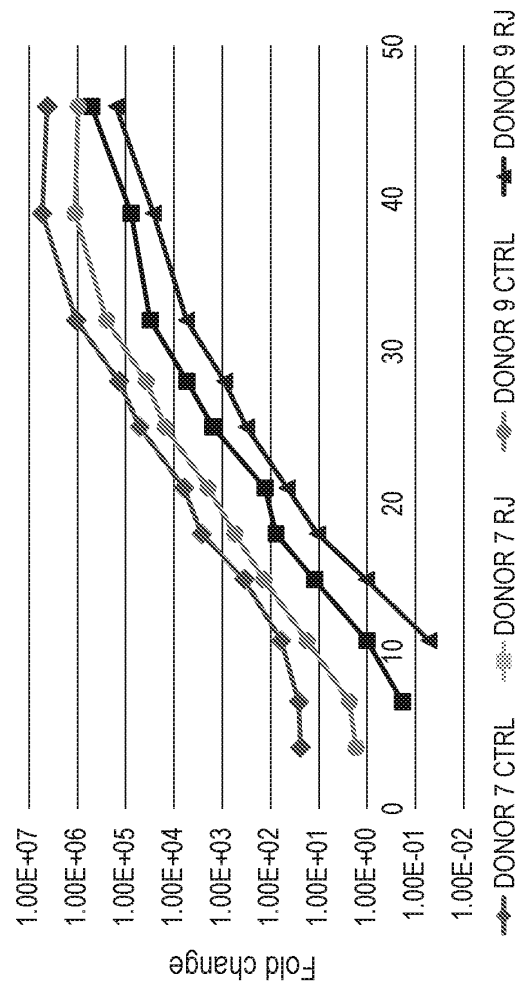


FIG. 68

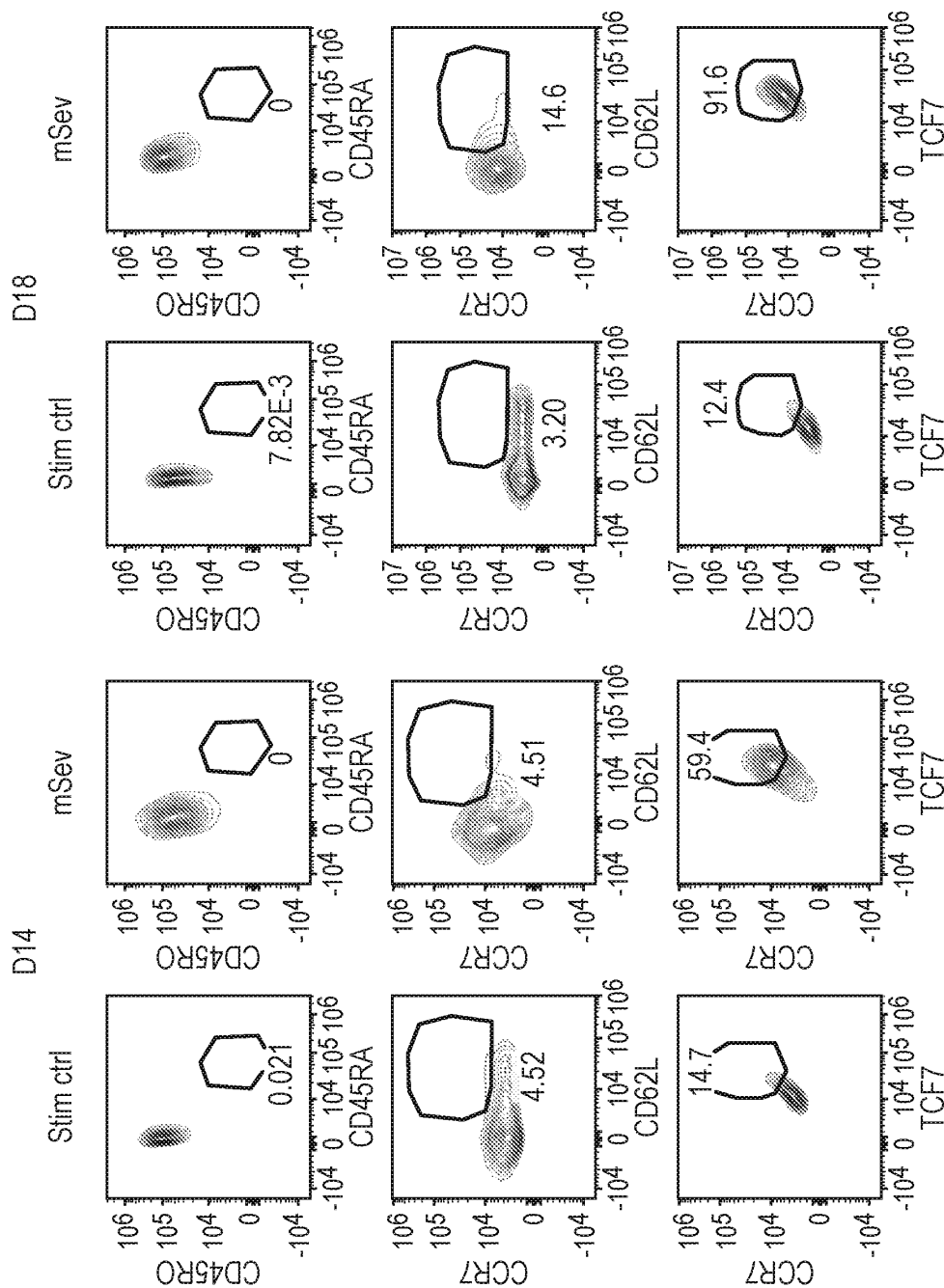


FIG. 69A

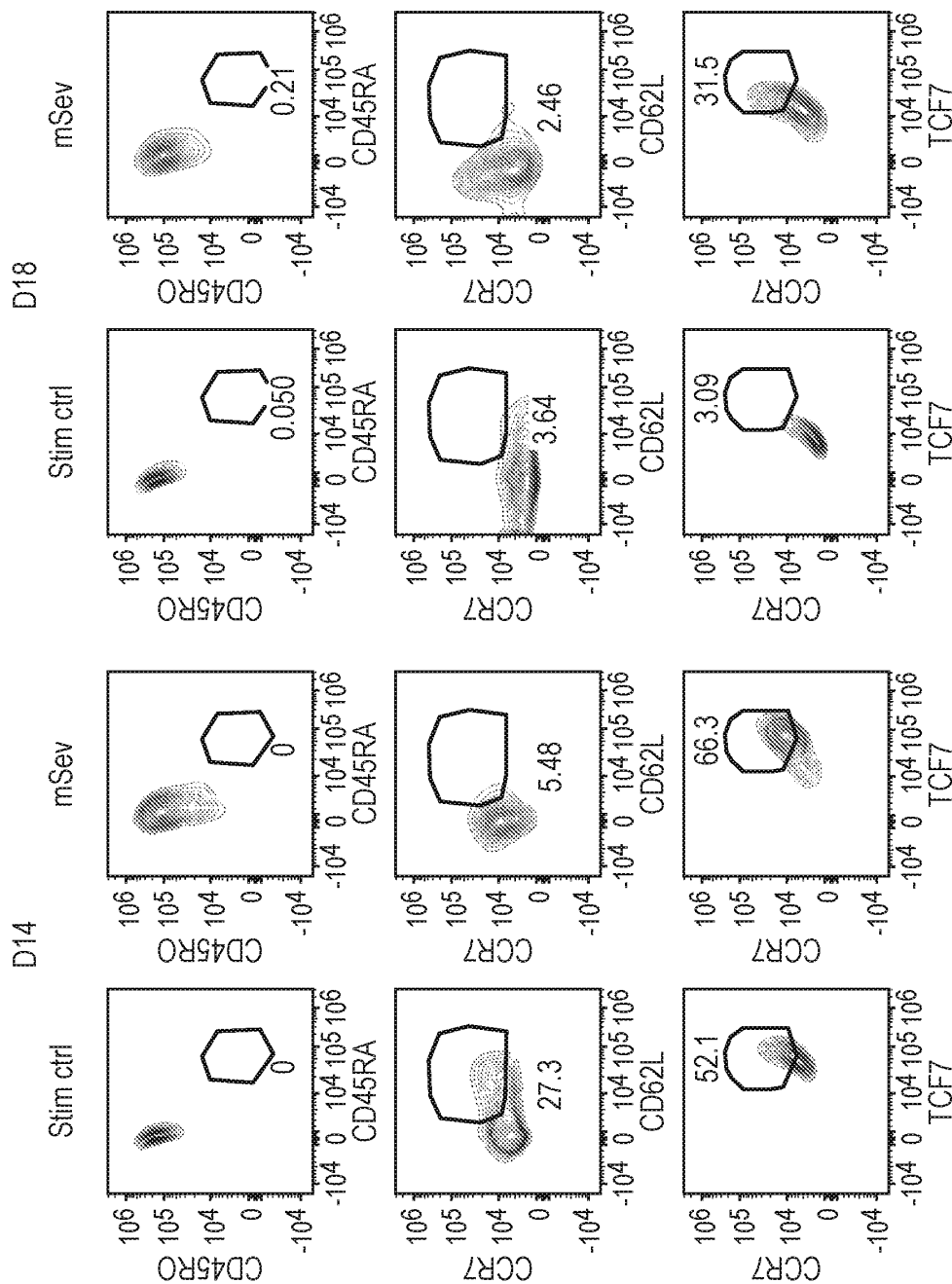


FIG. 69B

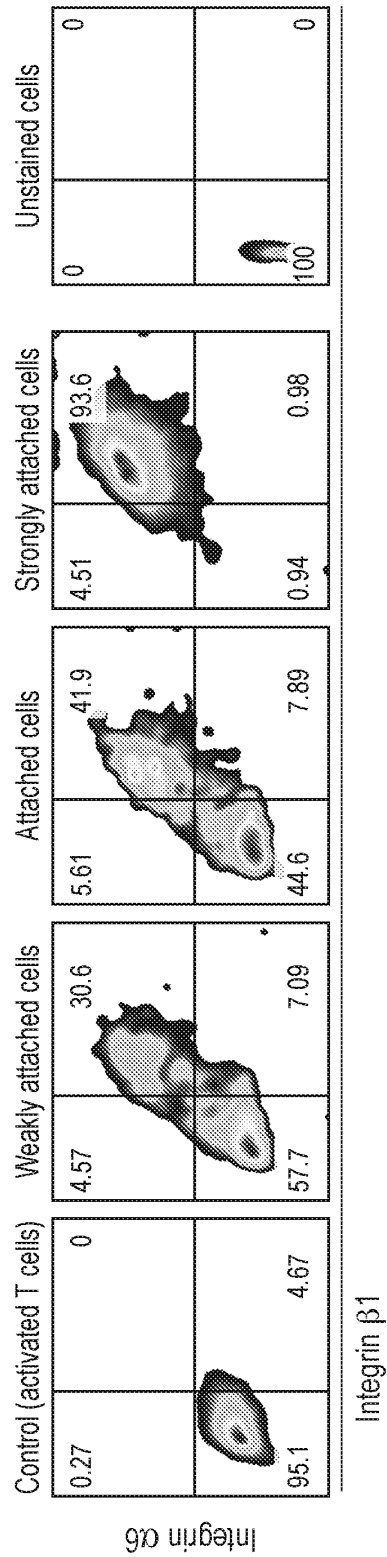


FIG. 70

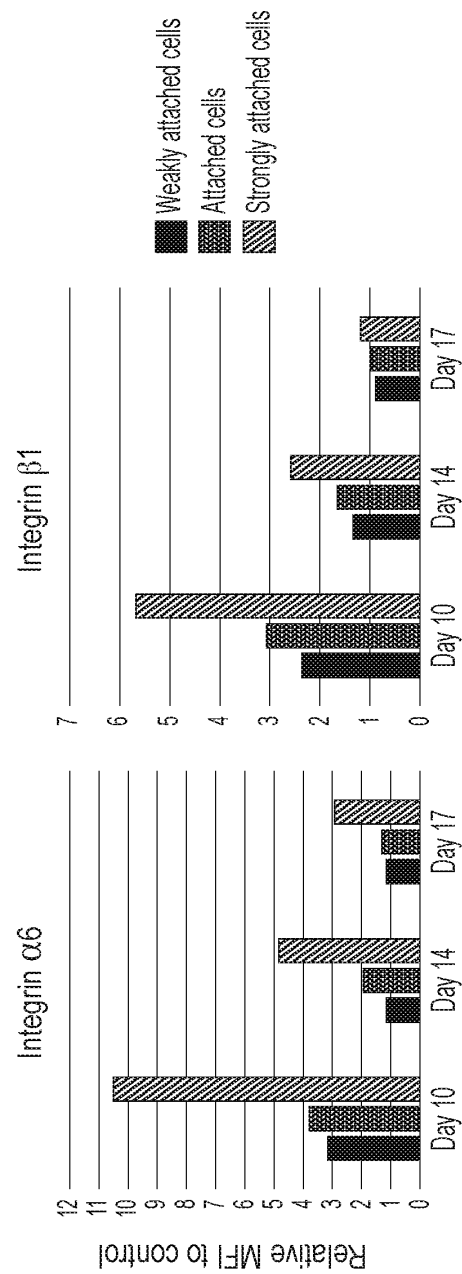


FIG. 71

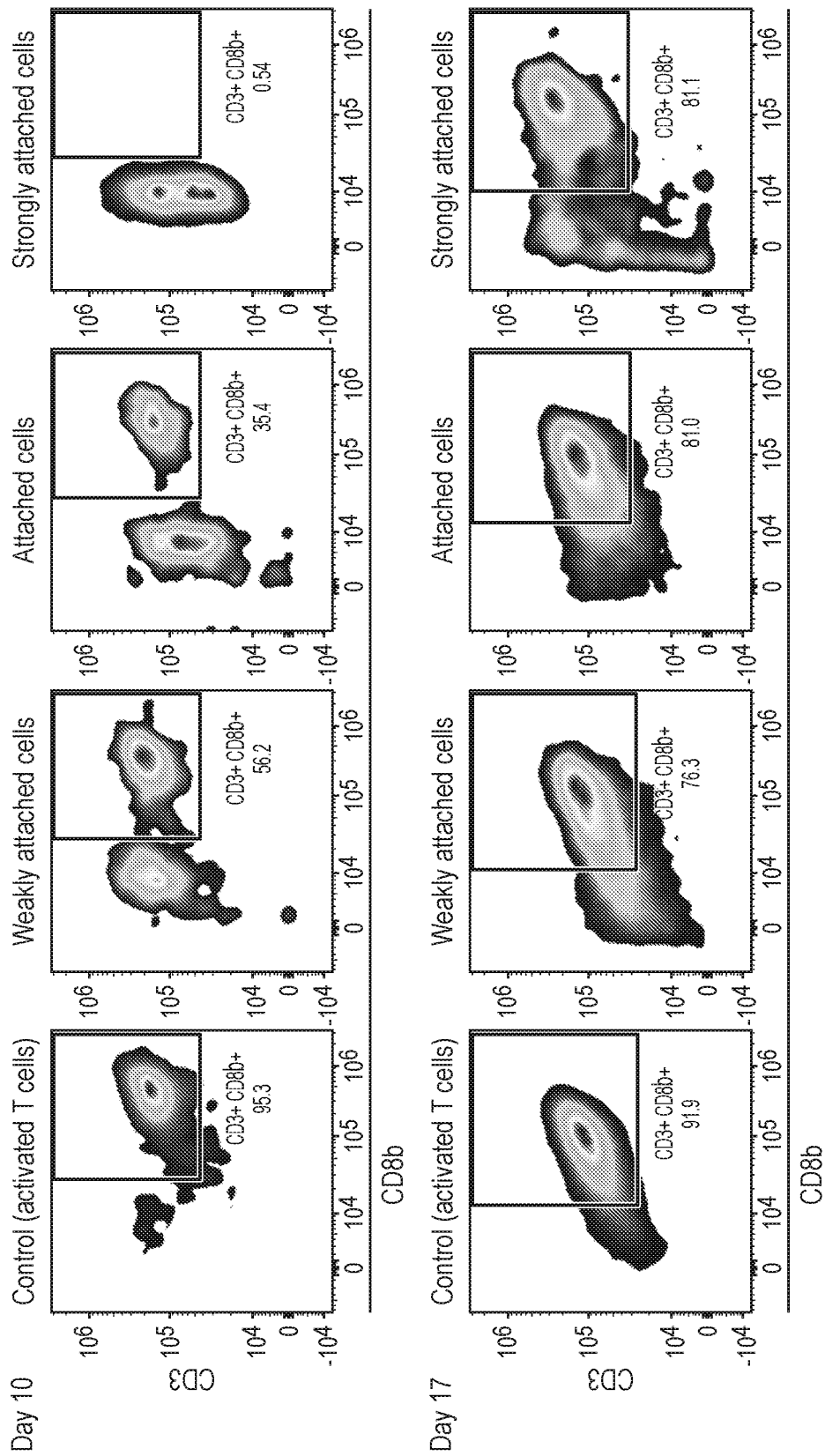


FIG. 72

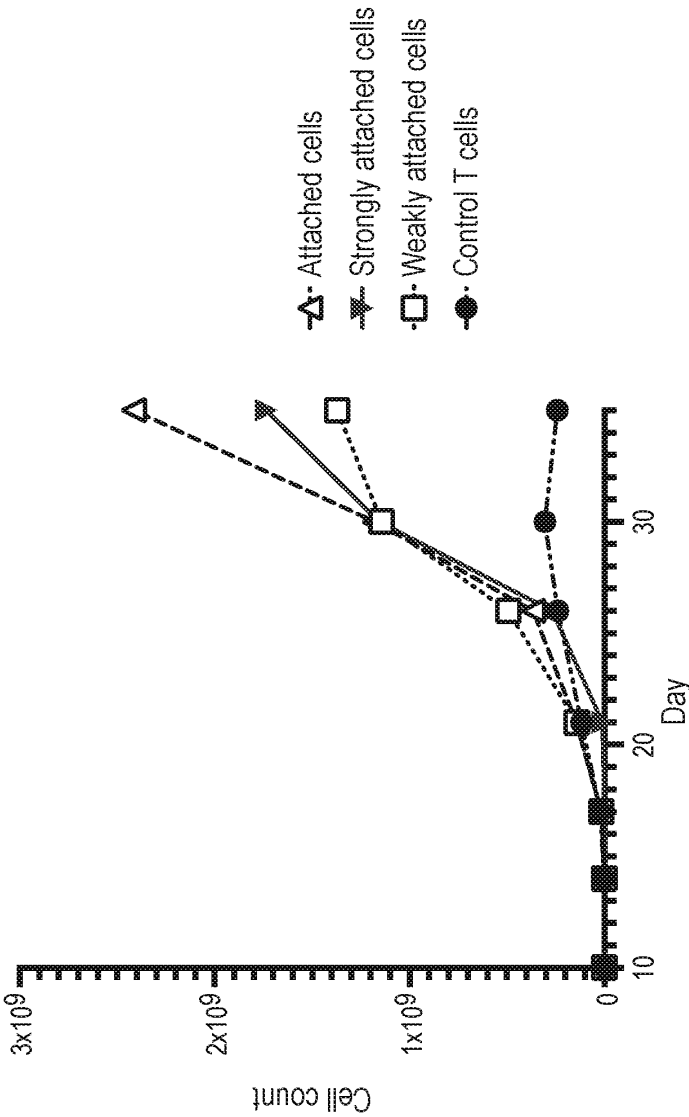


FIG. 73

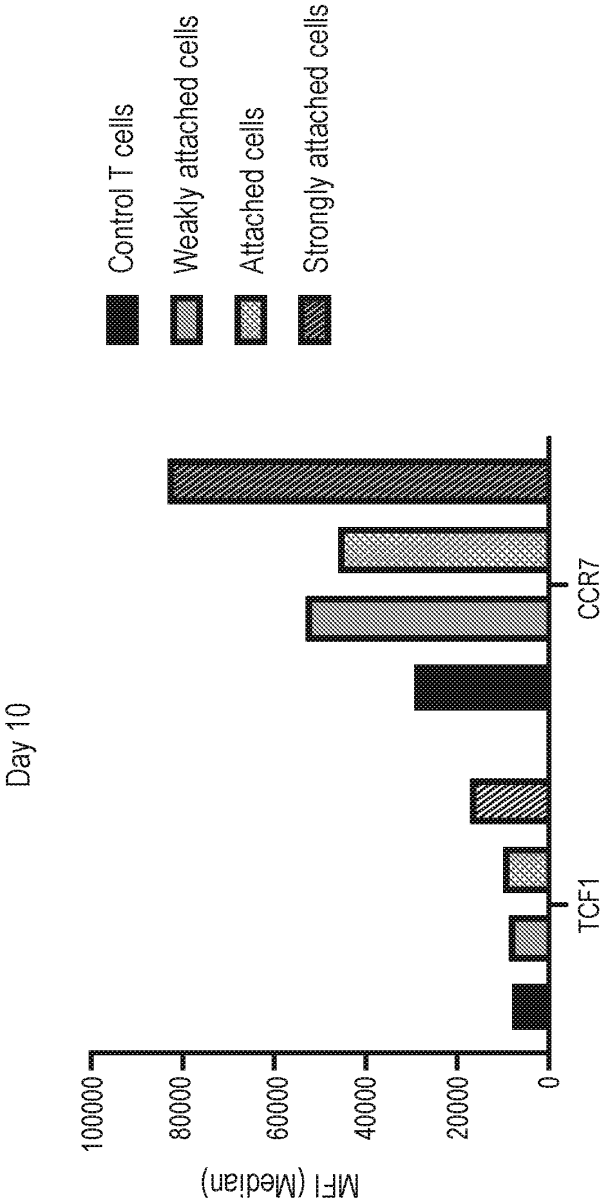


FIG. 74A

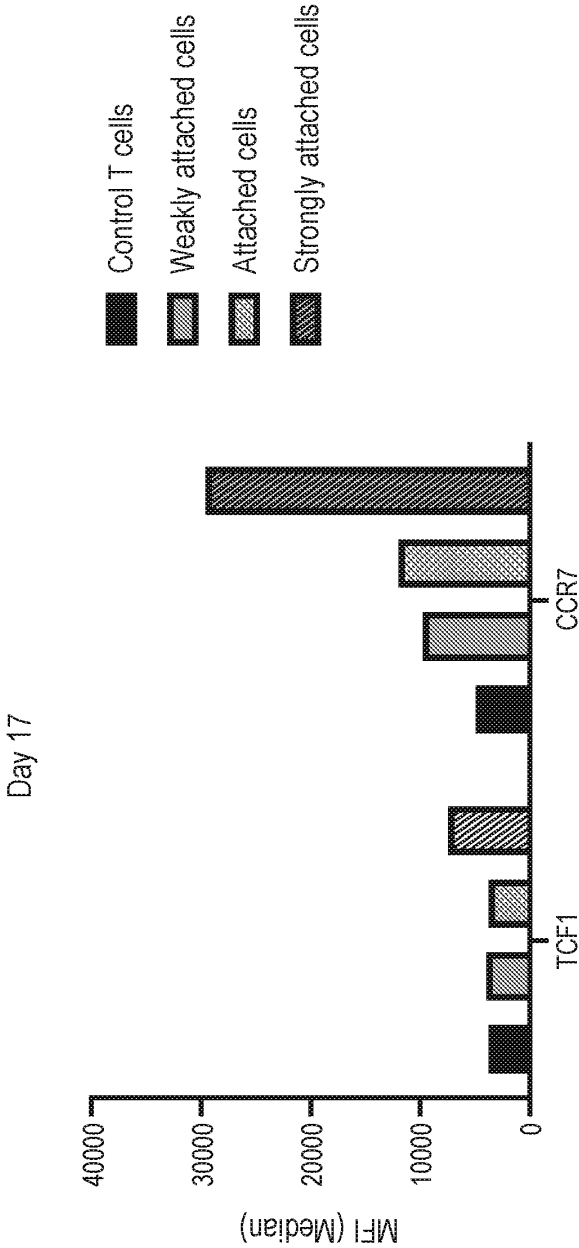
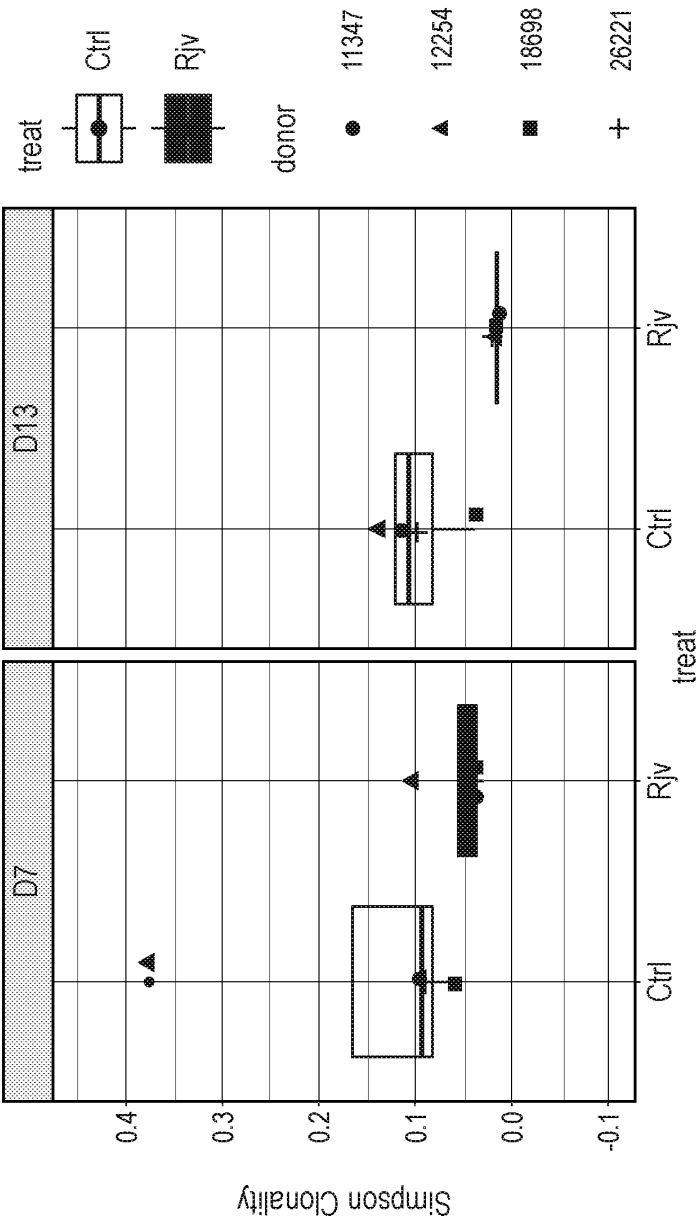


FIG. 74B



Lower Simpson Clonality == Higher diversity

FIG. 75