

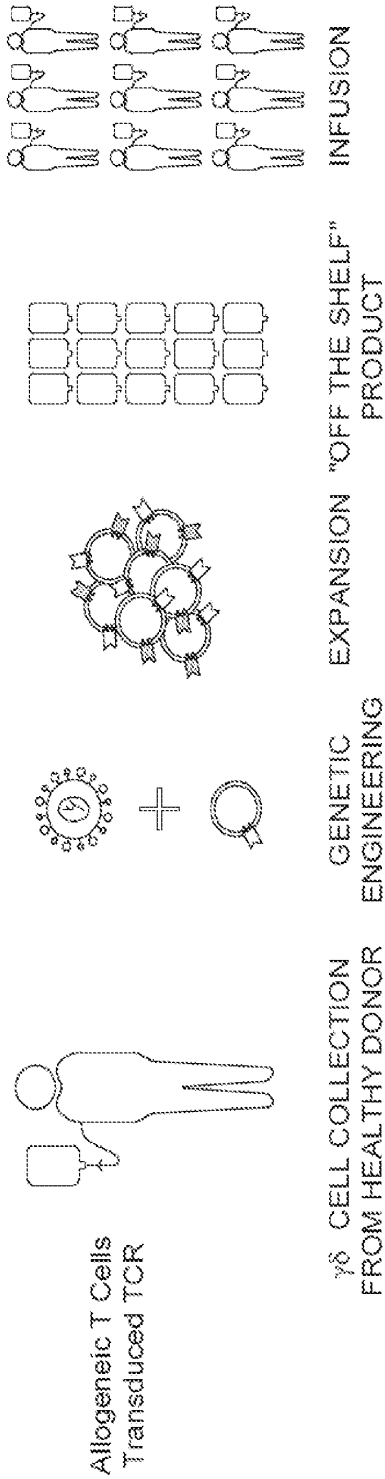
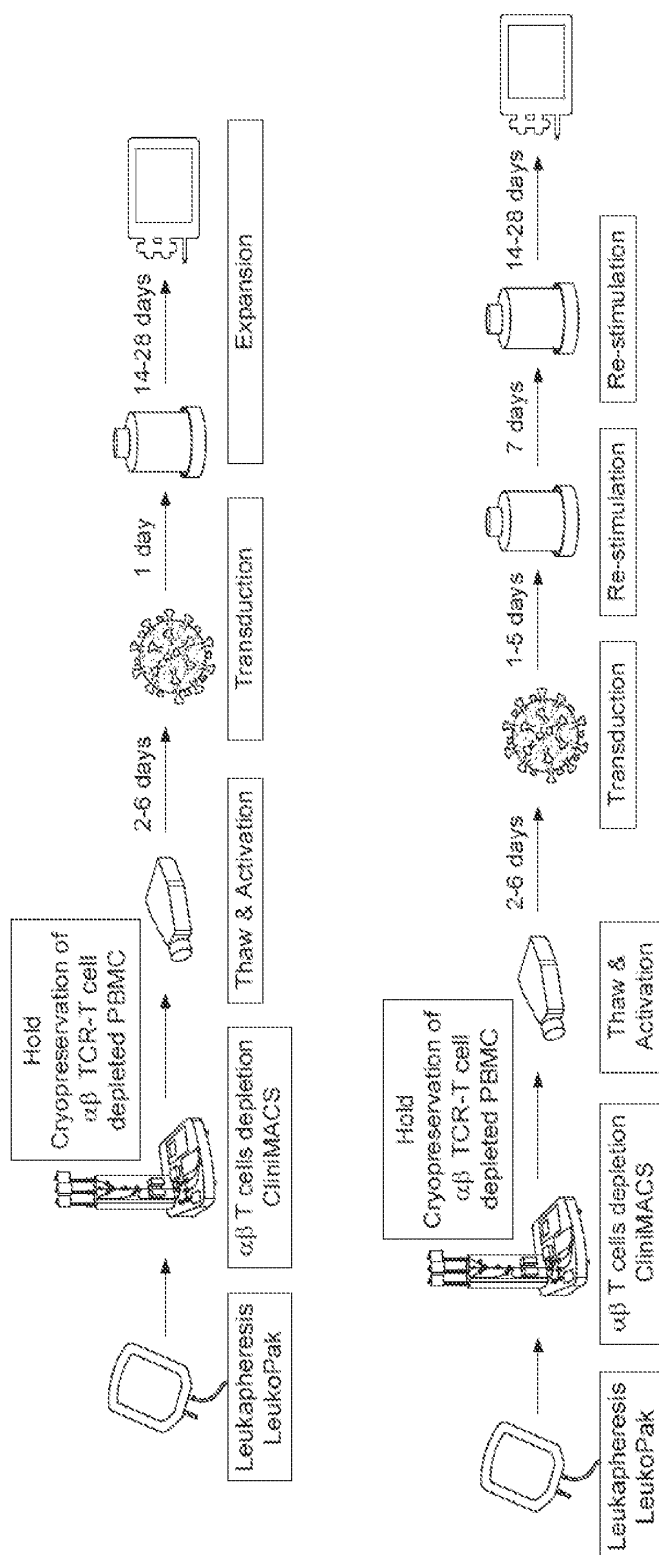


FIG. 1



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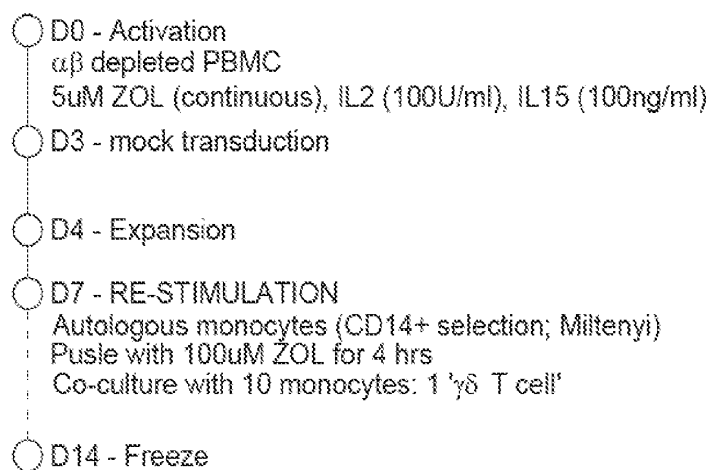


FIG. 3A

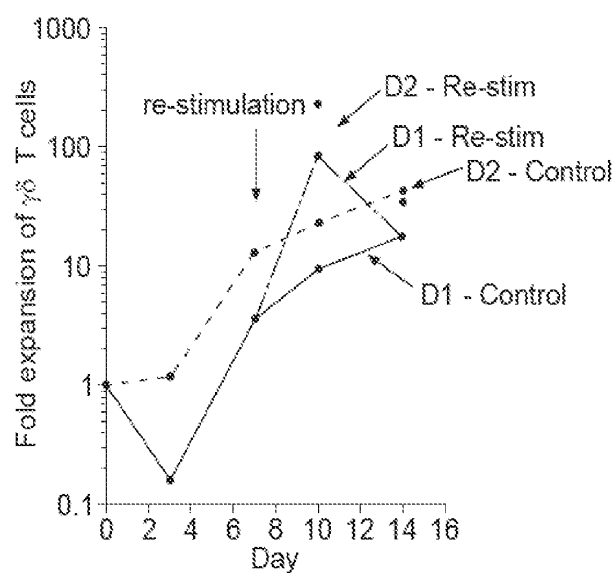


FIG. 3B

SUBSTITUTE SHEET (RULE 26)

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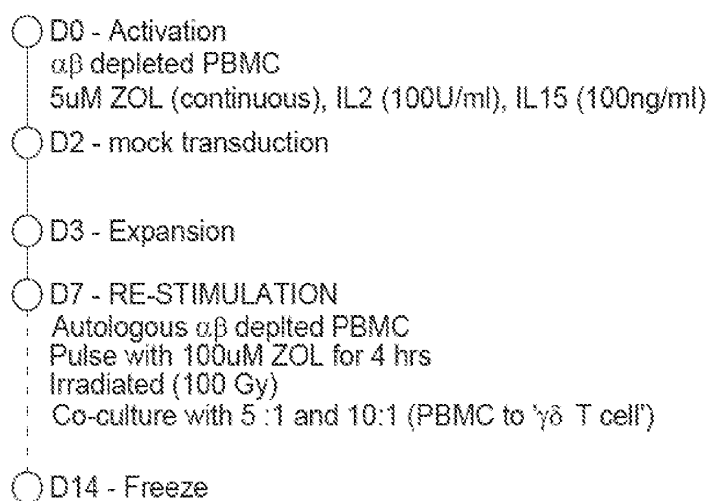


FIG. 4A

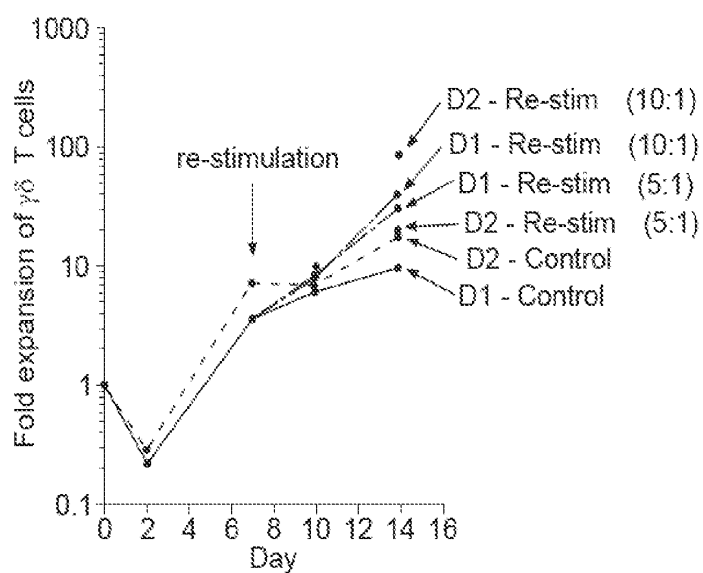


FIG. 4B

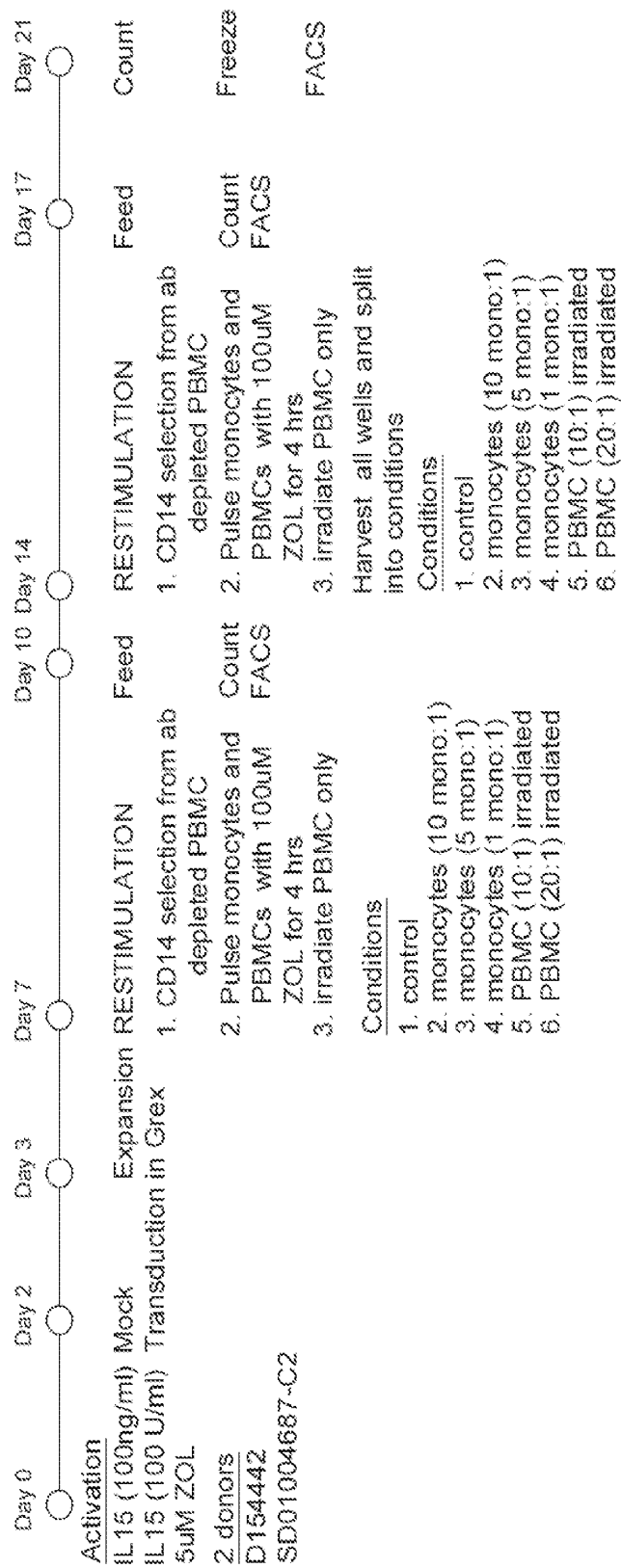


FIG. 5

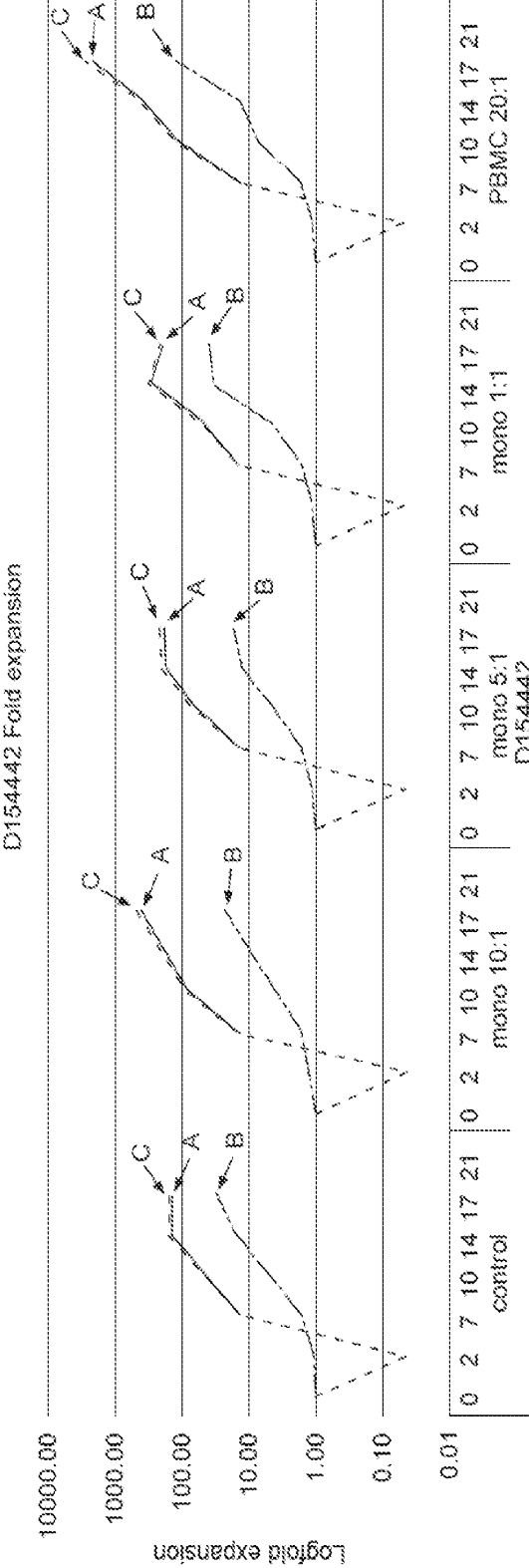


FIG. 6A

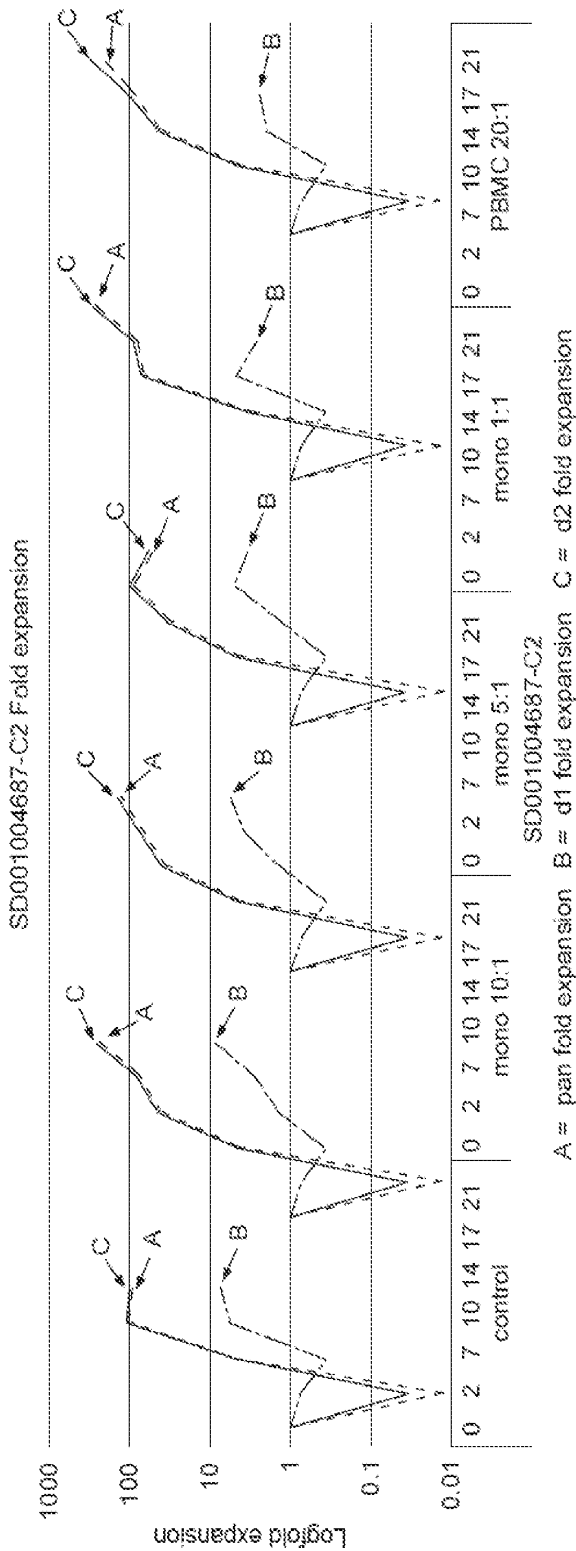


FIG. 6B

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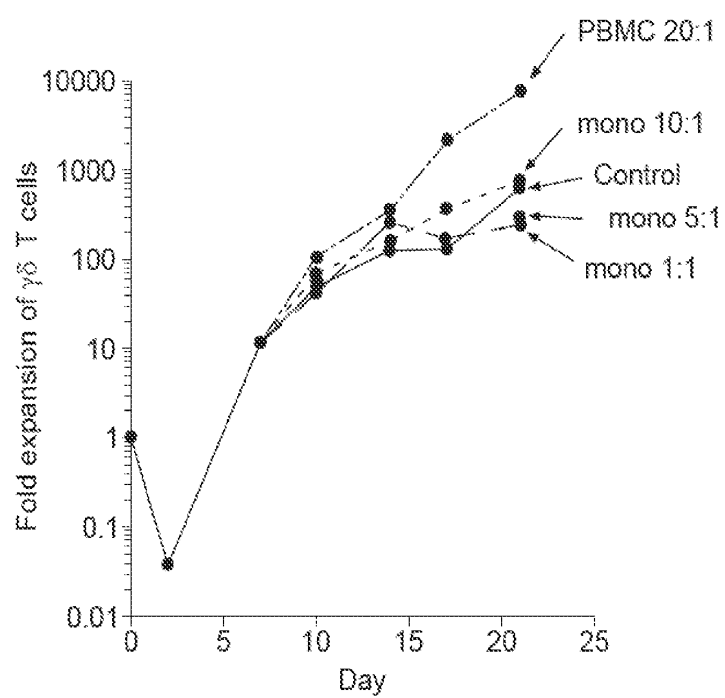


FIG. 7A

SUBSTITUTE SHEET (RULE 26)

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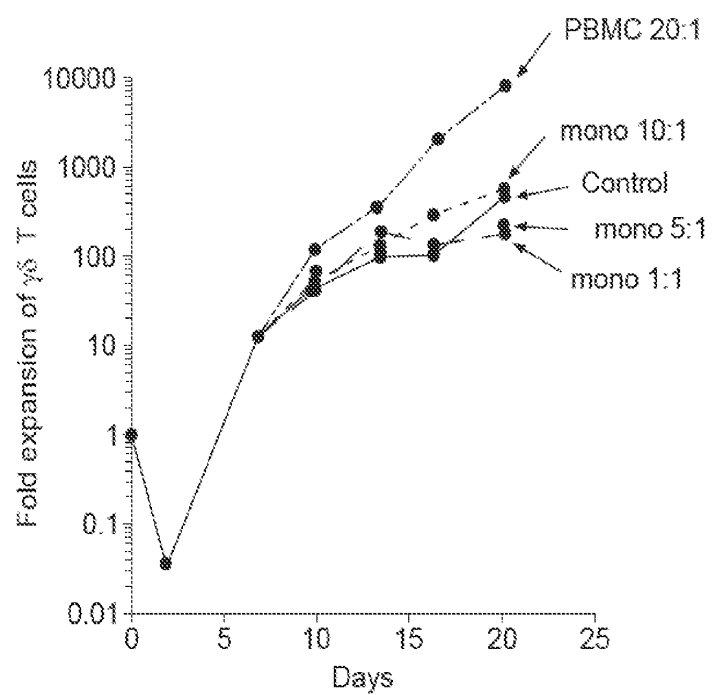


FIG. 7B

SUBSTITUTE SHEET (RULE 26)

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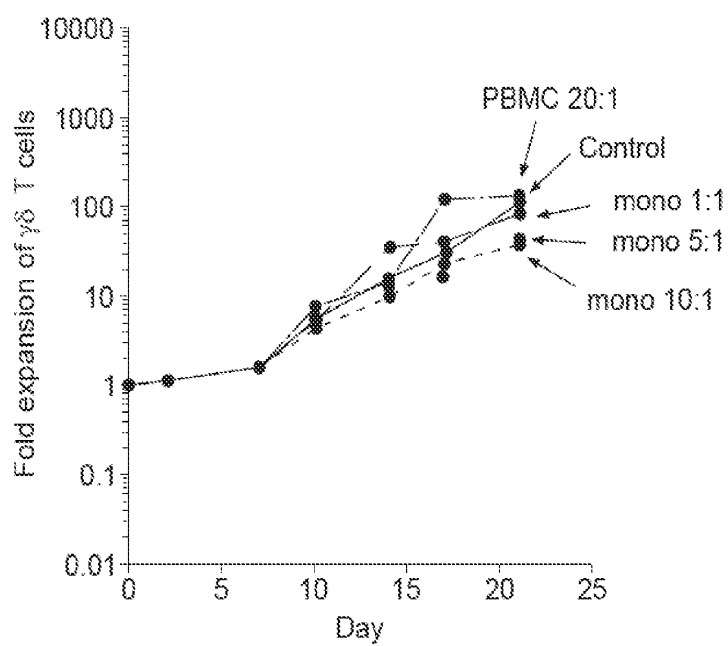


FIG. 7C

SUBSTITUTE SHEET (RULE 26)

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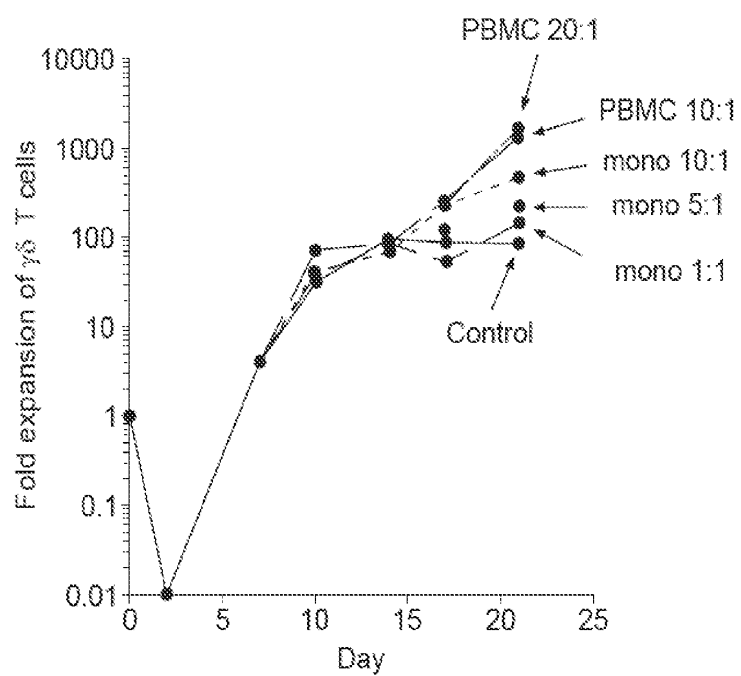


FIG. 8A

SUBSTITUTE SHEET (RULE 26)

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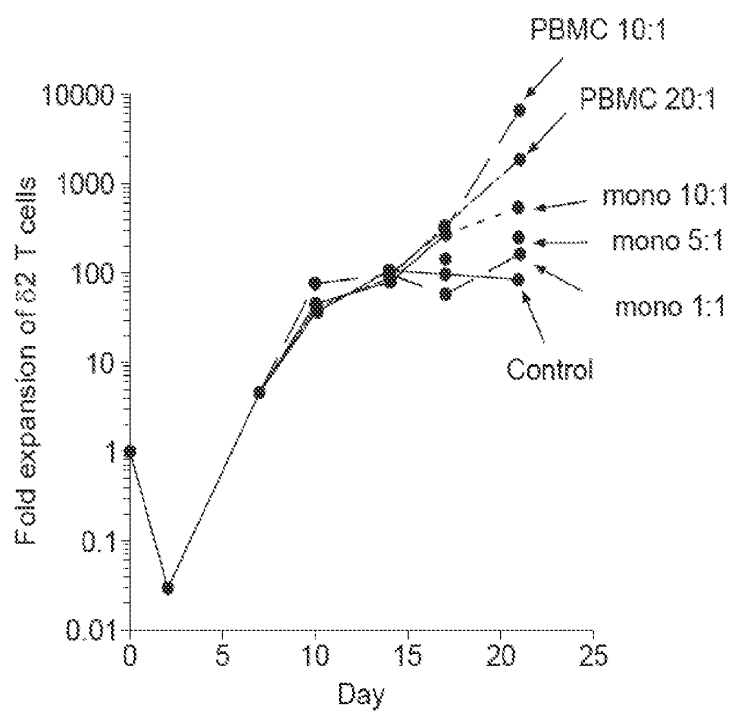


FIG. 8B

SUBSTITUTE SHEET (RULE 26)

13/86

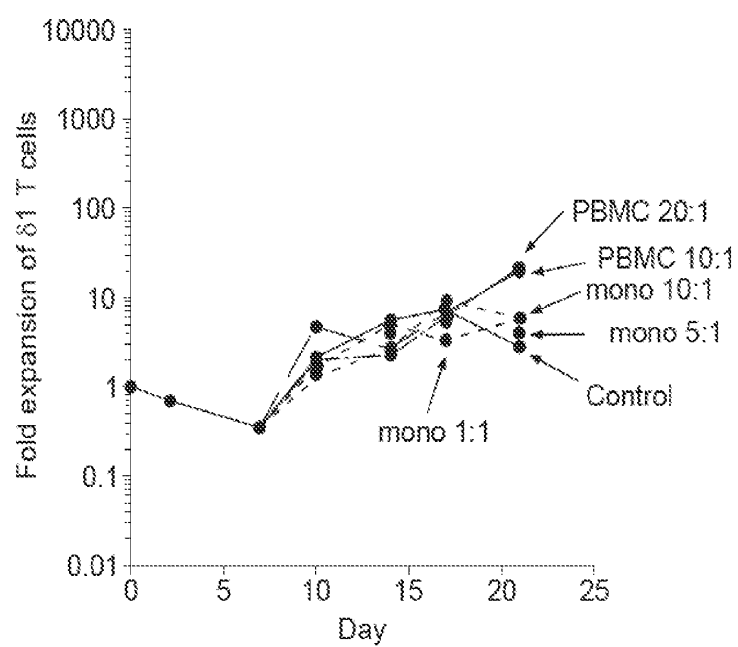


FIG. 8C

SUBSTITUTE SHEET (RULE 26)

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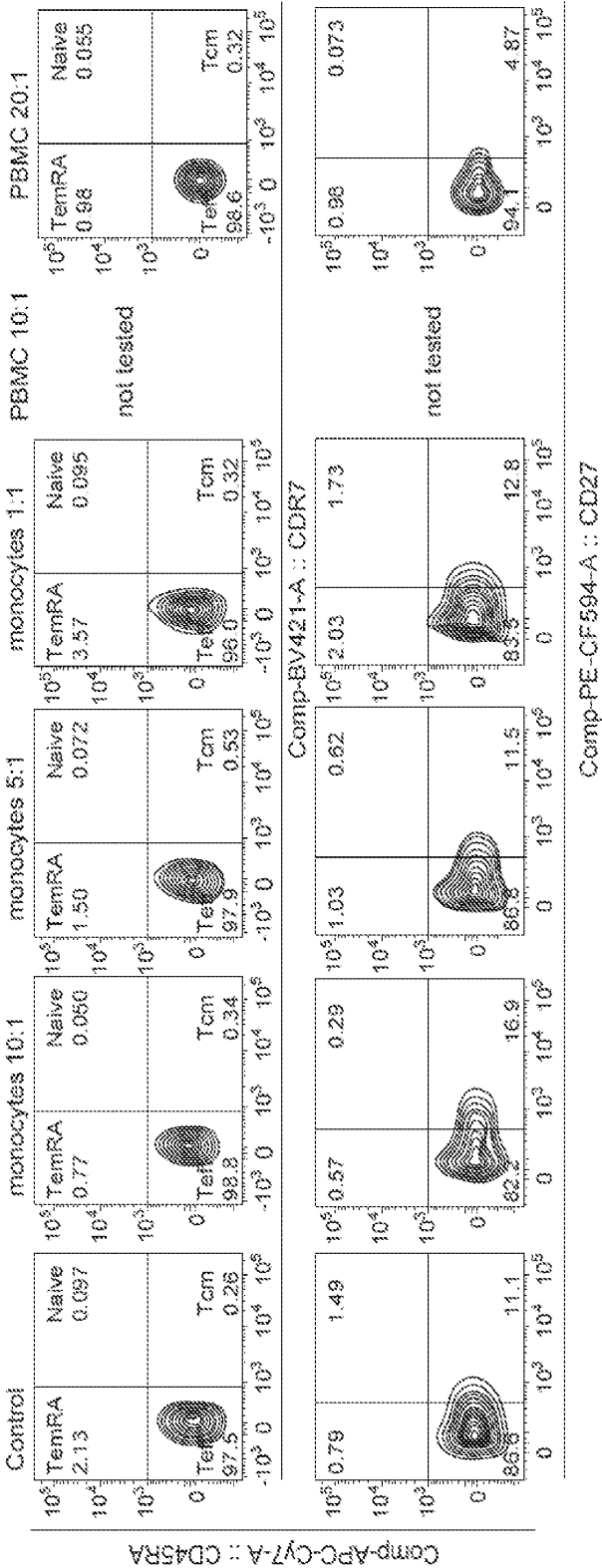


FIG. 9

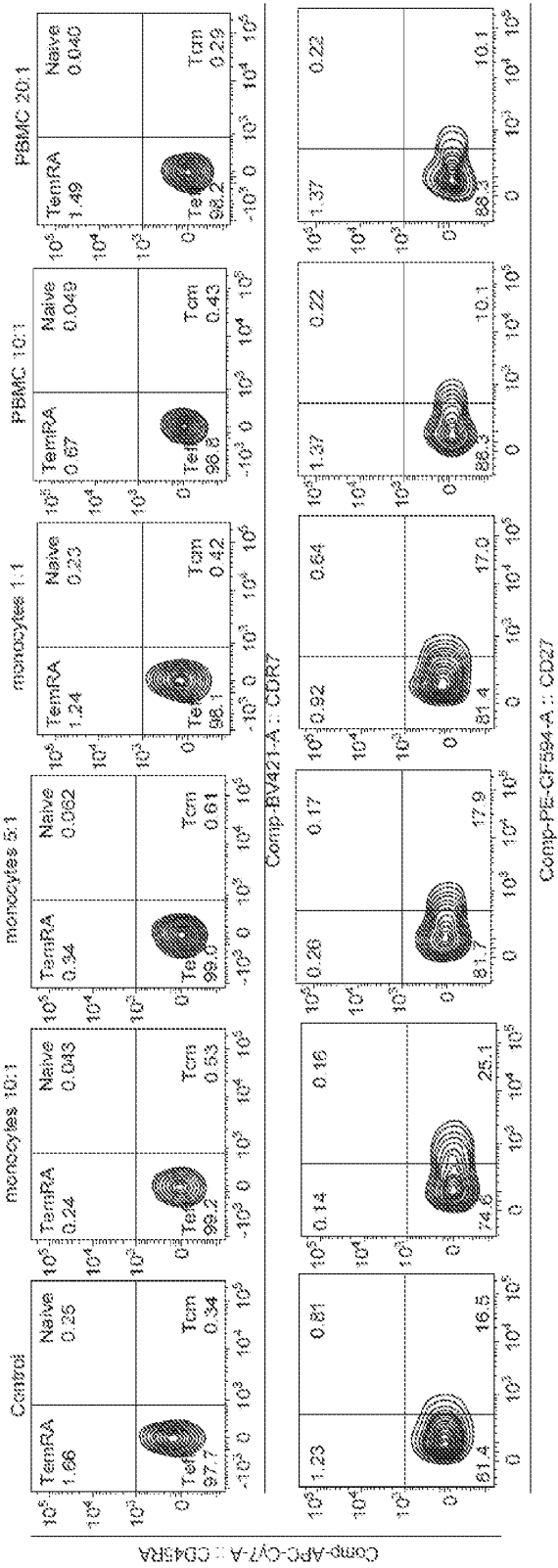


FIG. 10

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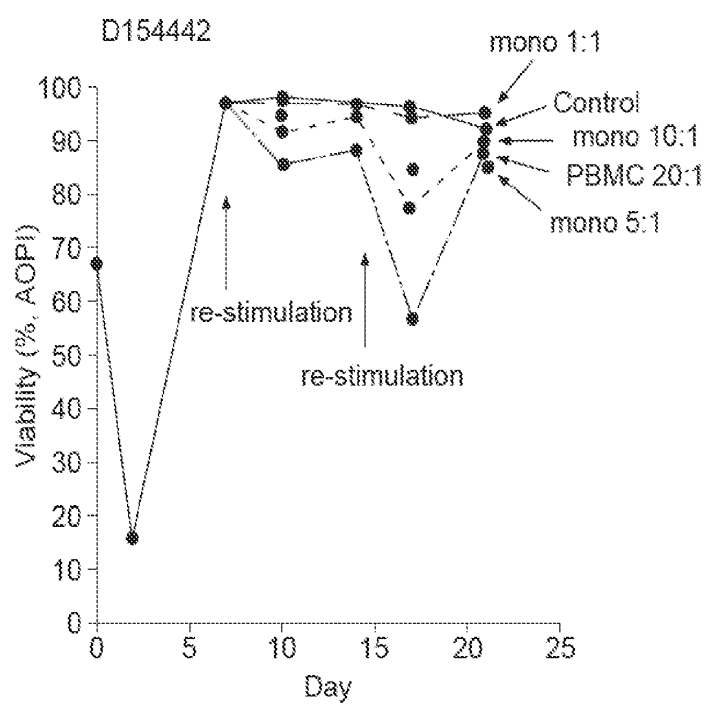


FIG. 11A

SUBSTITUTE SHEET (RULE 26)

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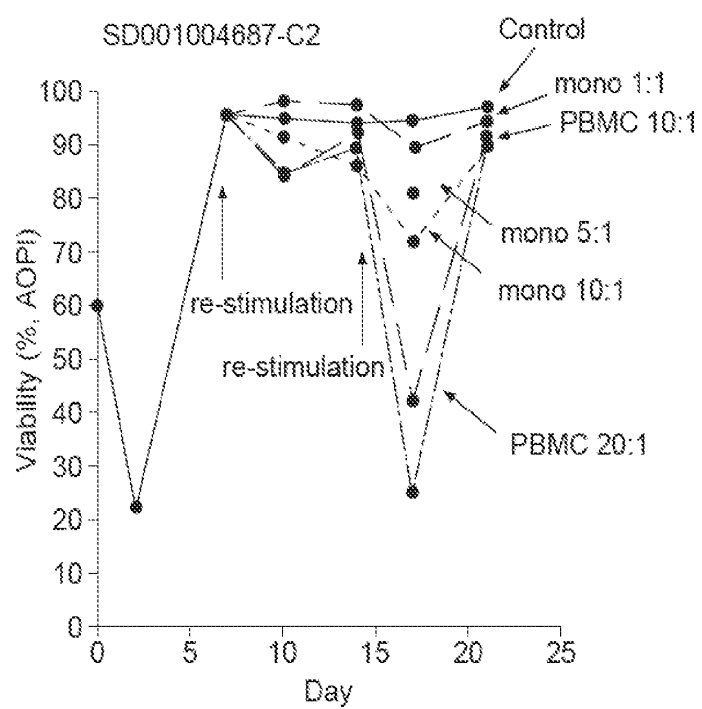


FIG. 11B

SUBSTITUTE SHEET (RULE 26)

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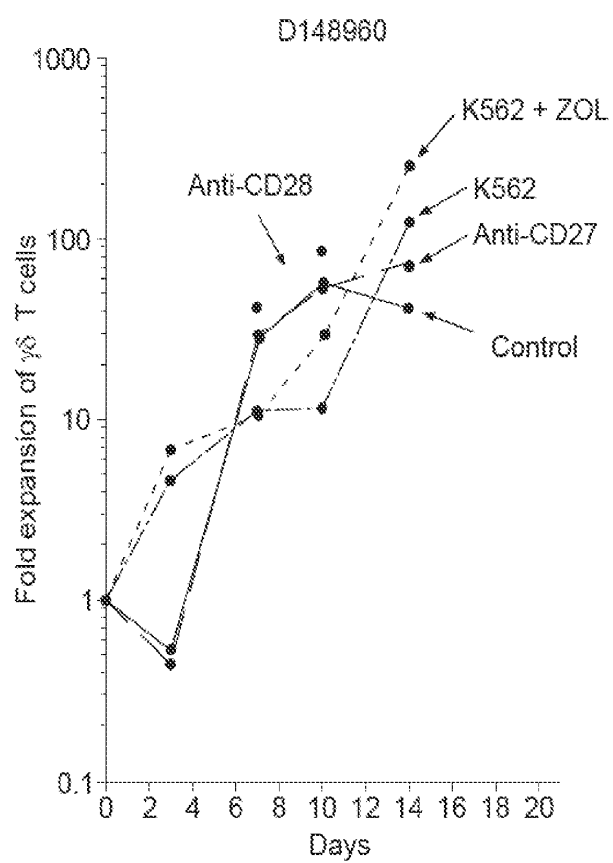


FIG. 12A

SUBSTITUTE SHEET (RULE 26)

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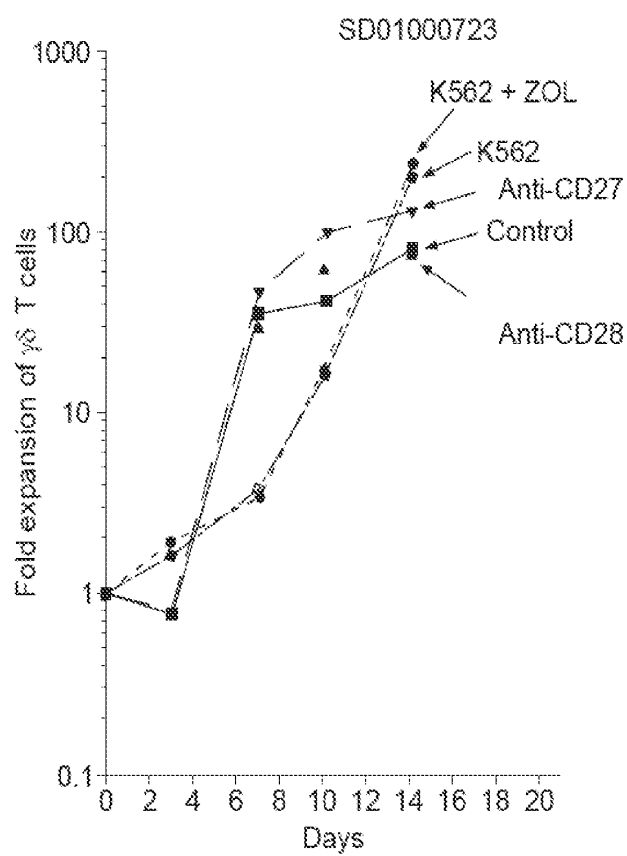


FIG. 12B

SUBSTITUTE SHEET (RULE 26)

20/86

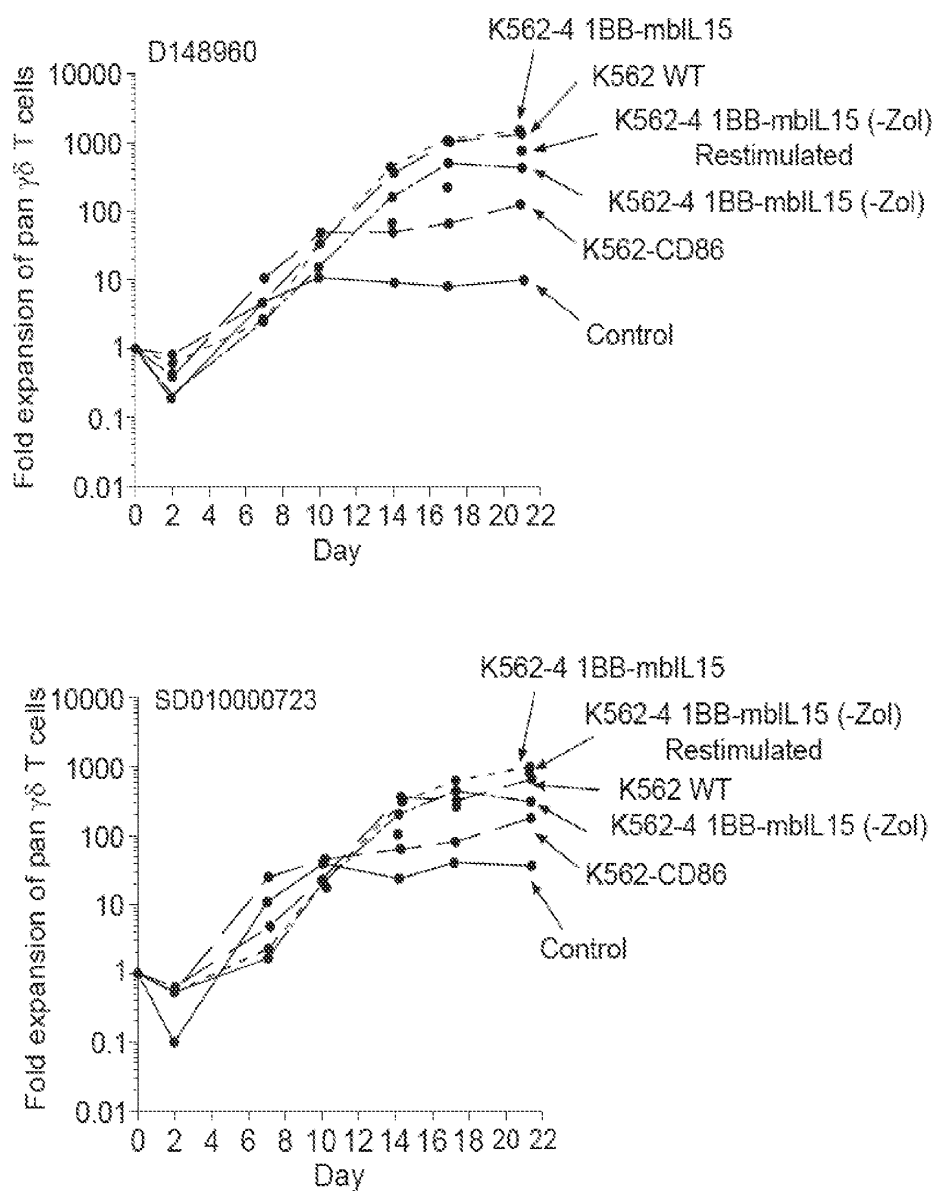


FIG. 13A

SUBSTITUTE SHEET (RULE 26)

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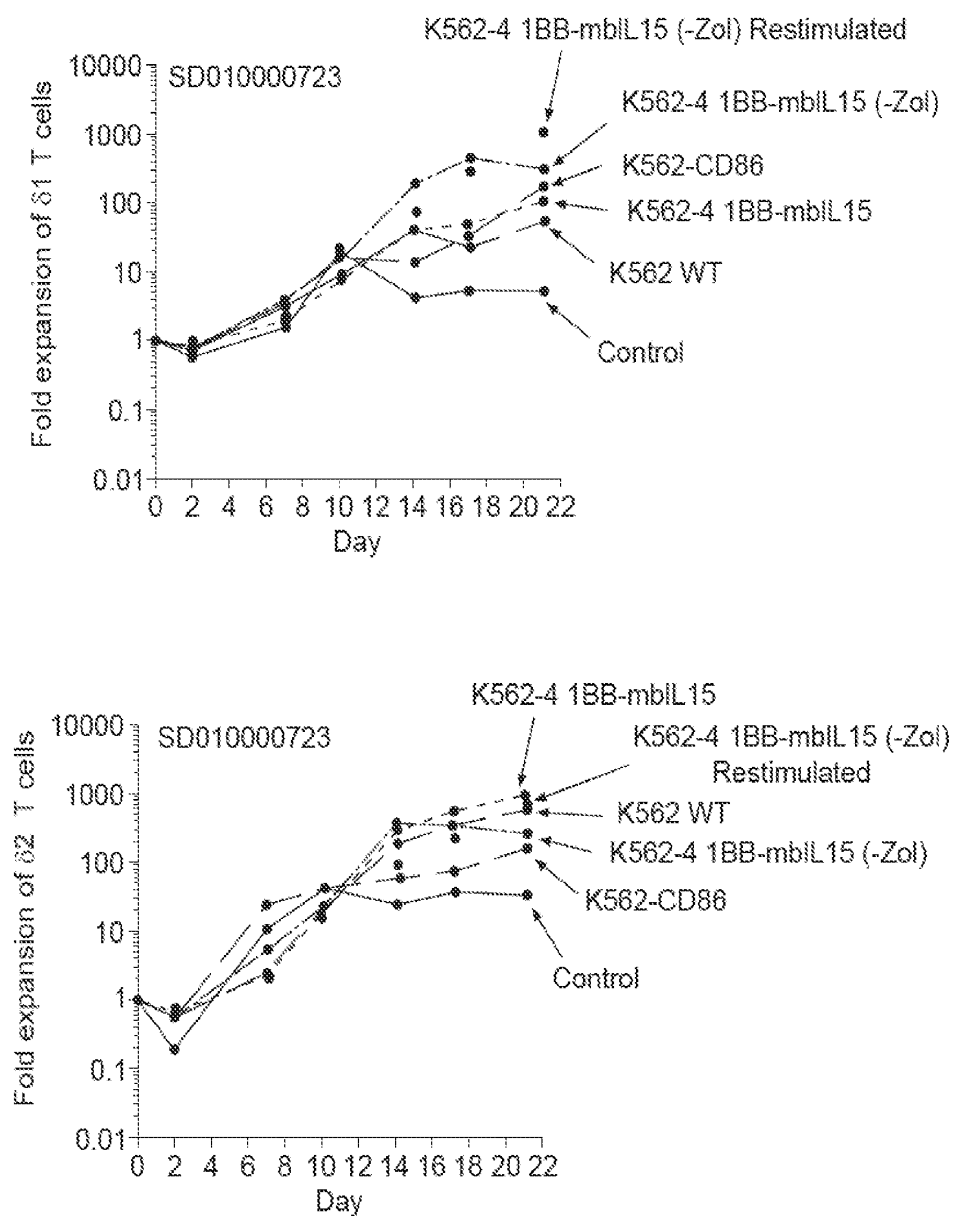


FIG. 13B

SUBSTITUTE SHEET (RULE 26)

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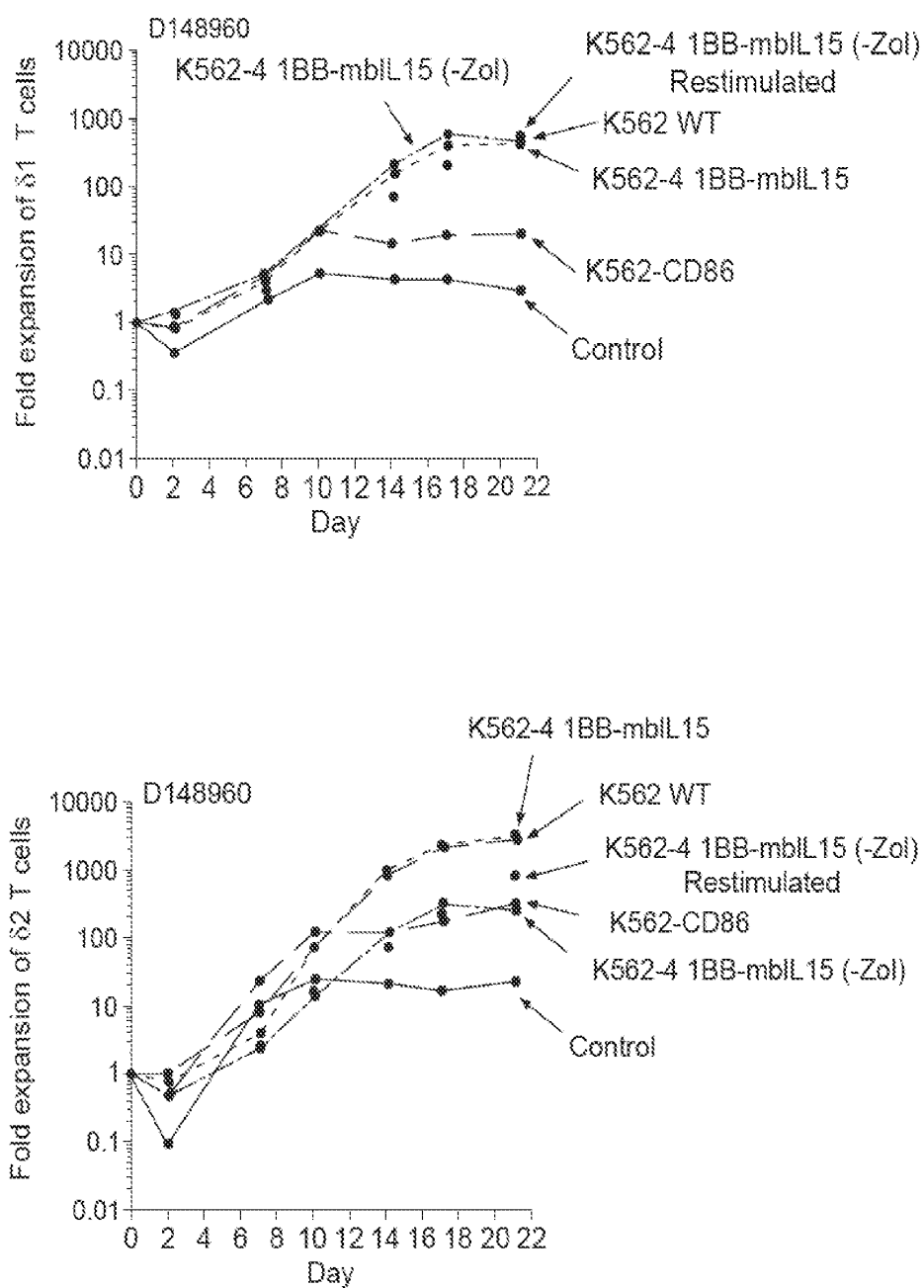


FIG. 13C

SUBSTITUTE SHEET (RULE 26)

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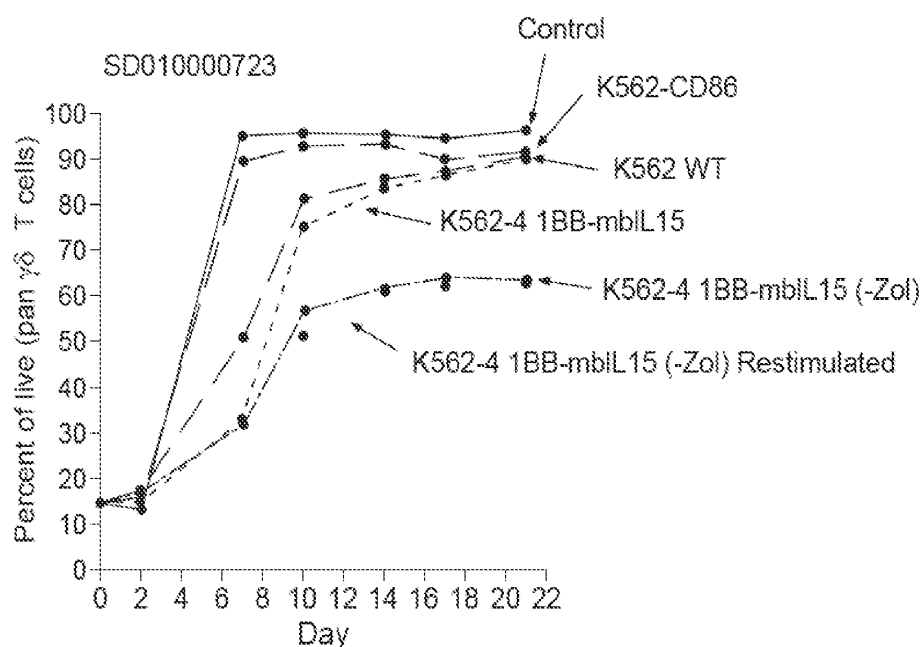


FIG. 14A

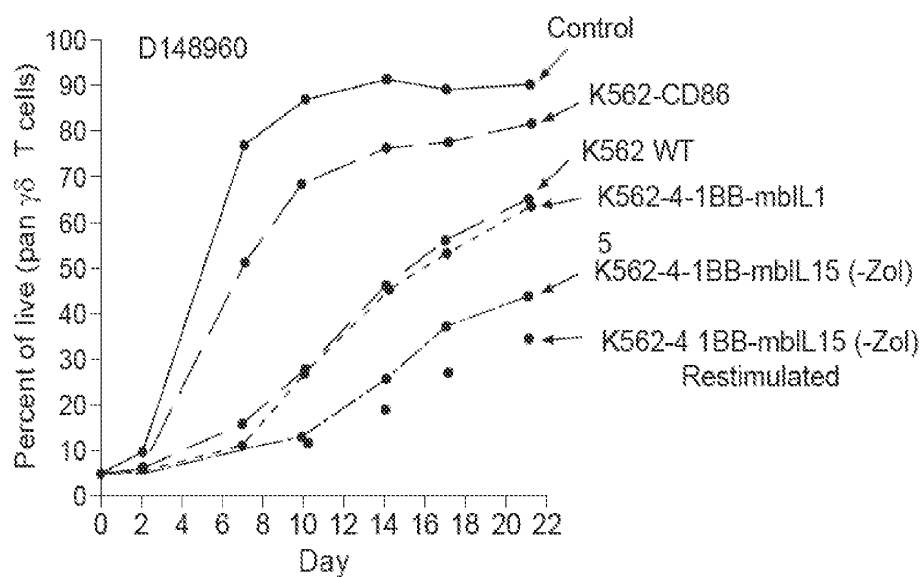


FIG. 14B

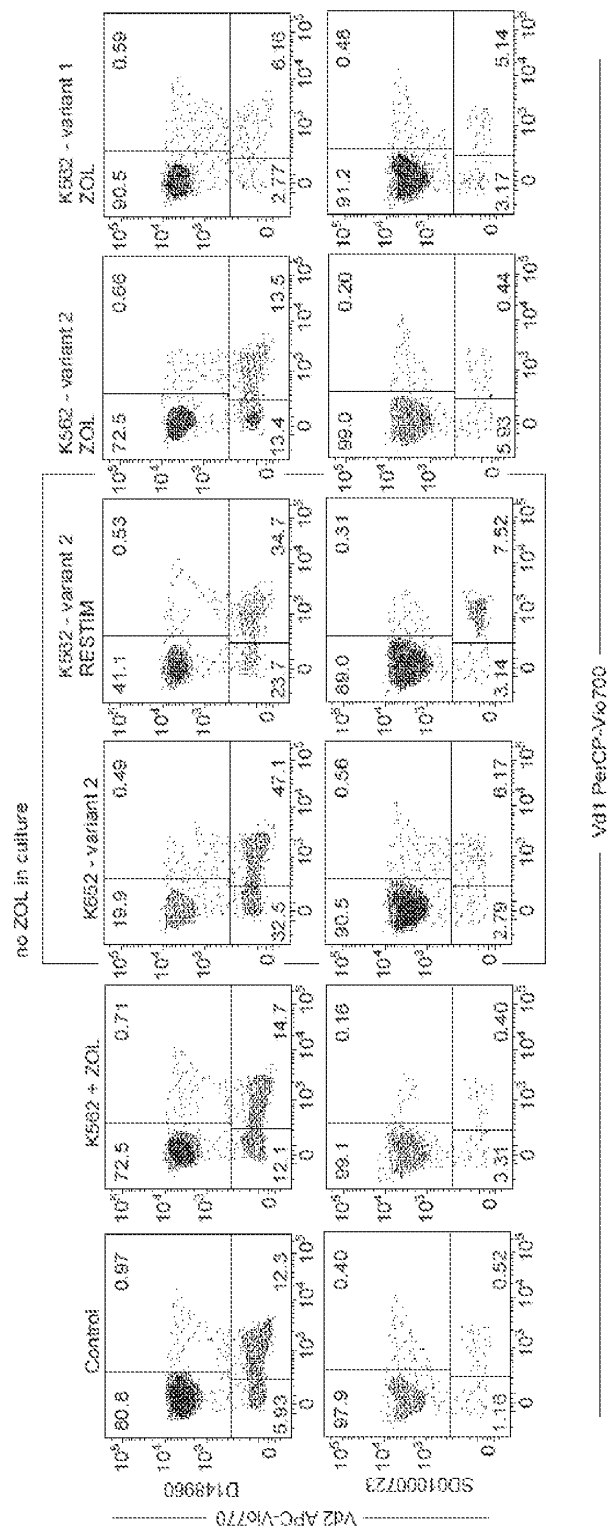


FIG. 15

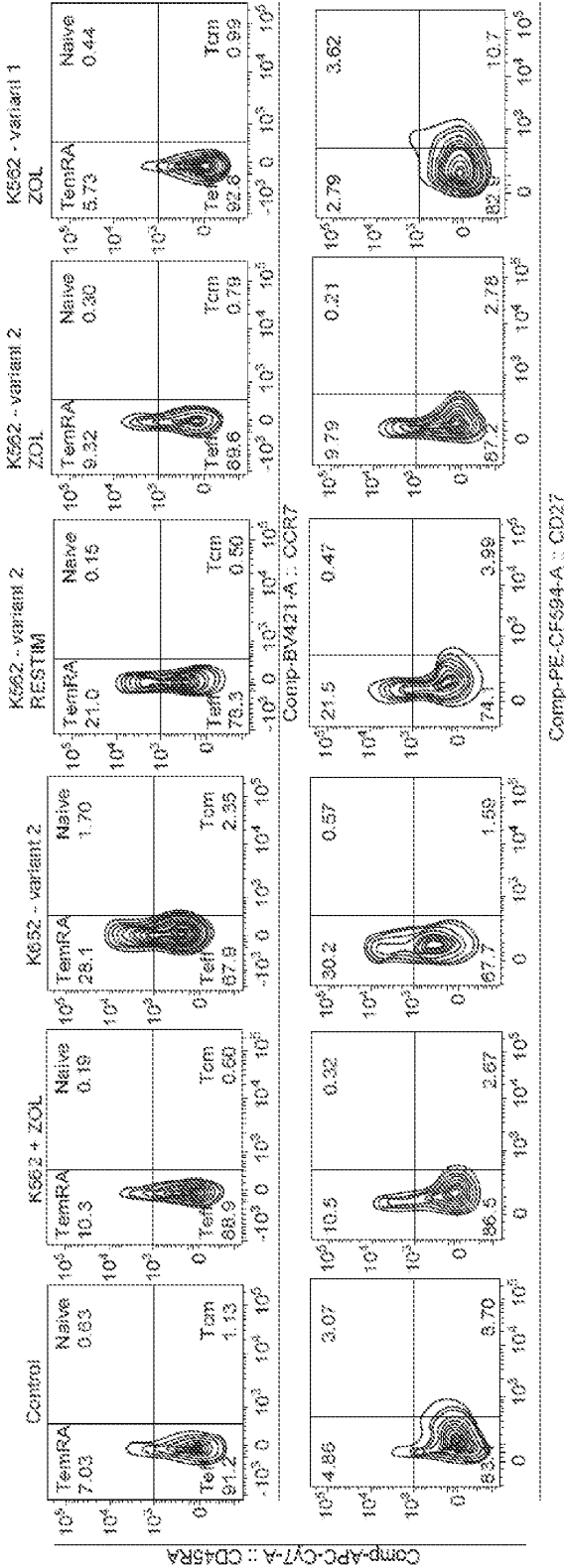


FIG. 16

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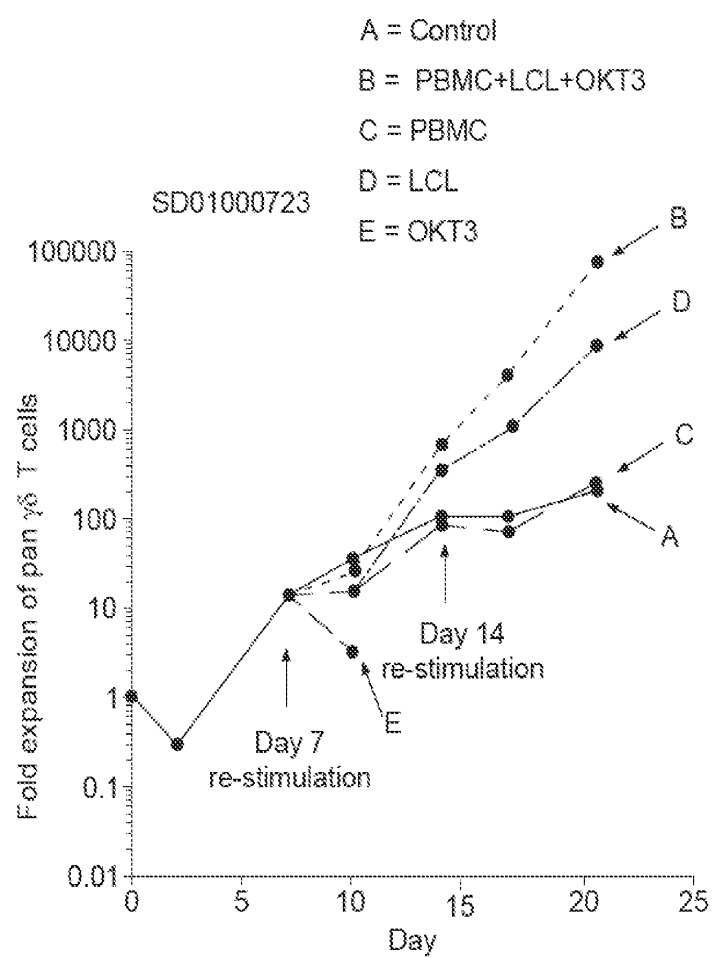


FIG. 17A

SUBSTITUTE SHEET (RULE 26)

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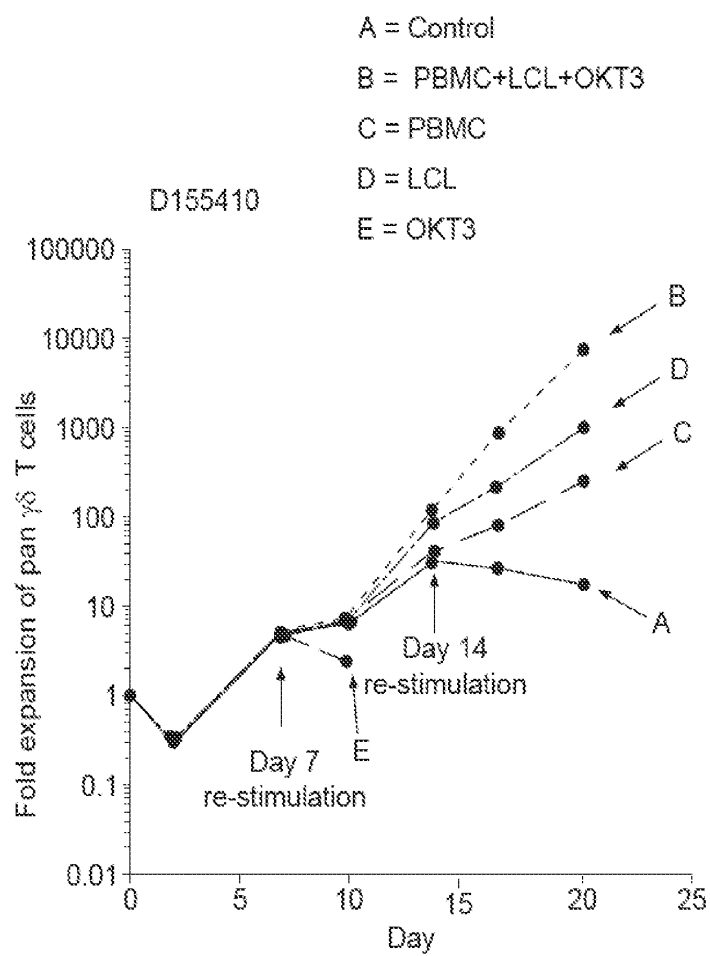


FIG. 17B

SUBSTITUTE SHEET (RULE 26)

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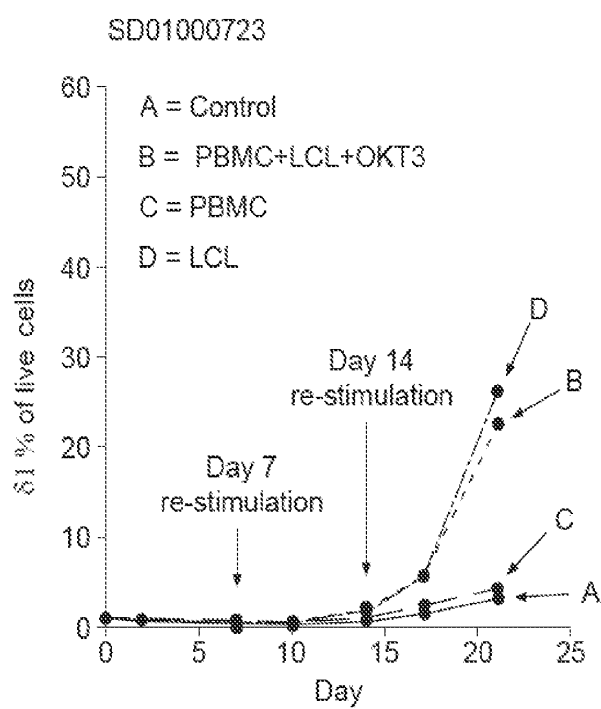


FIG. 18A

SUBSTITUTE SHEET (RULE 26)

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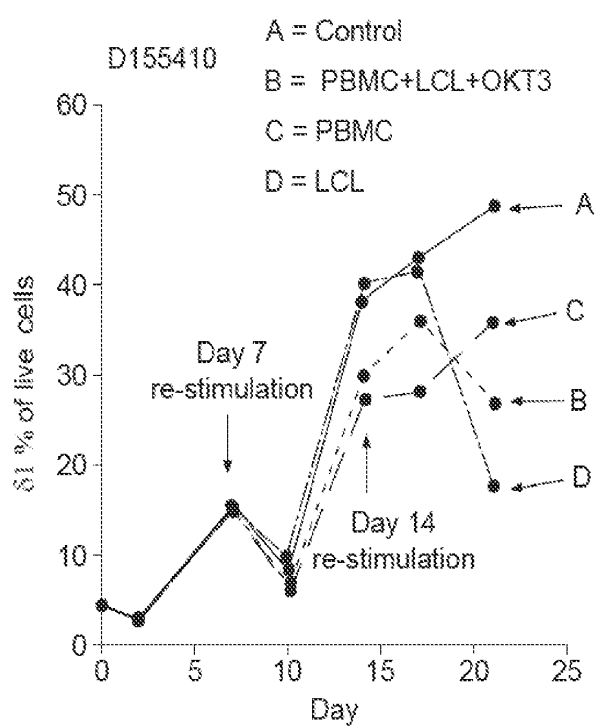


FIG. 18B

SUBSTITUTE SHEET (RULE 26)

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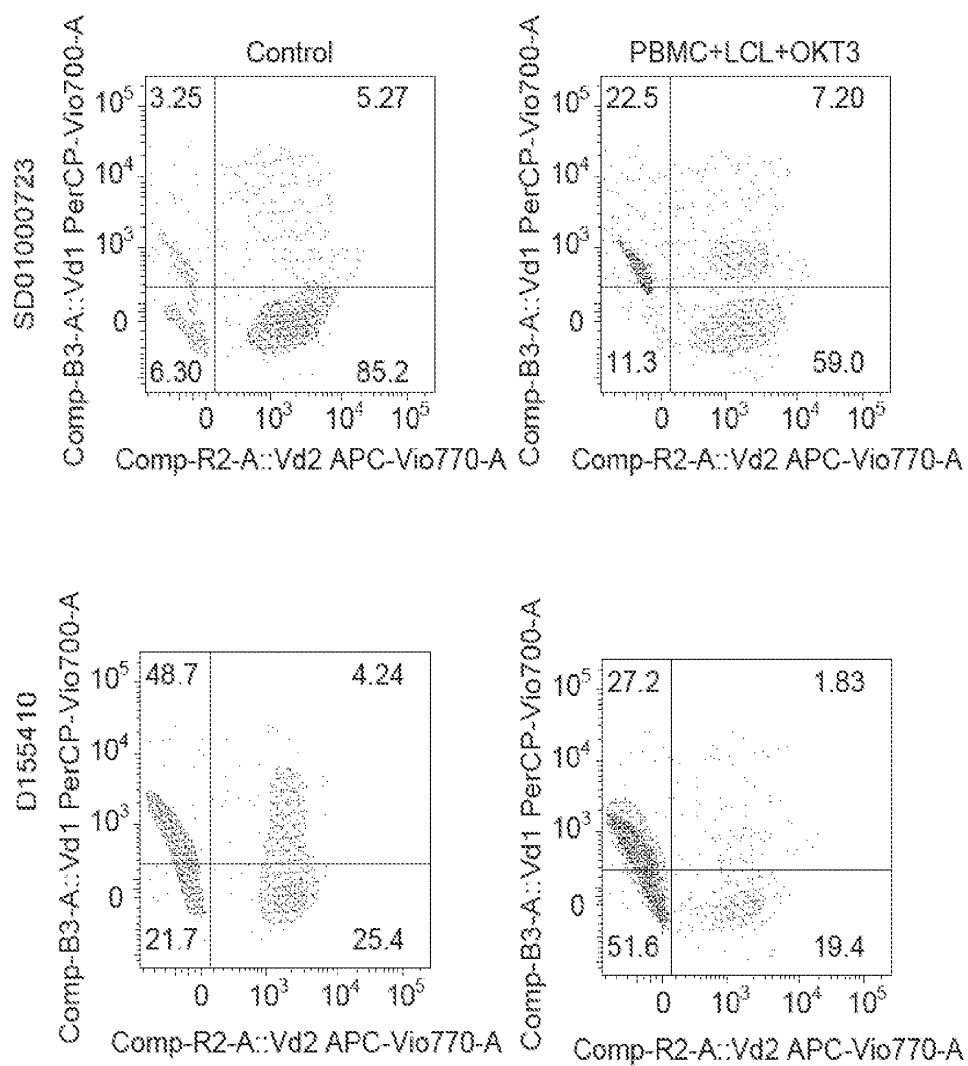


FIG. 18C

SUBSTITUTE SHEET (RULE 26)

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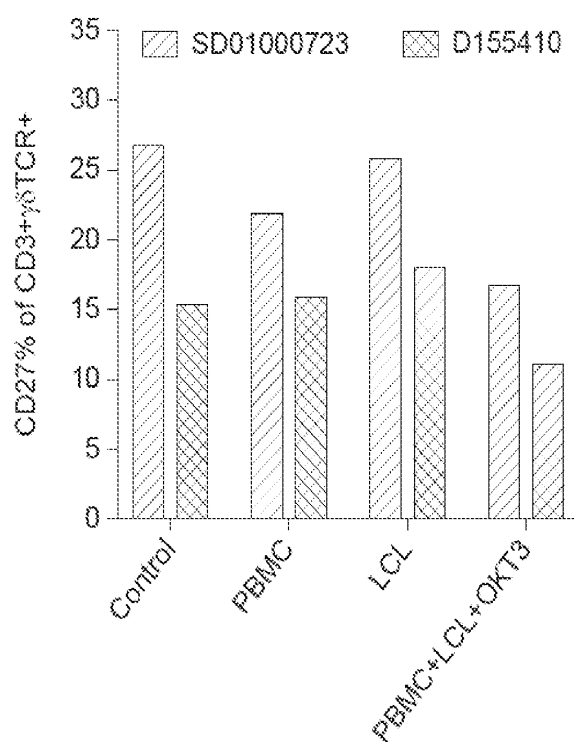


FIG. 19A

SUBSTITUTE SHEET (RULE 26)

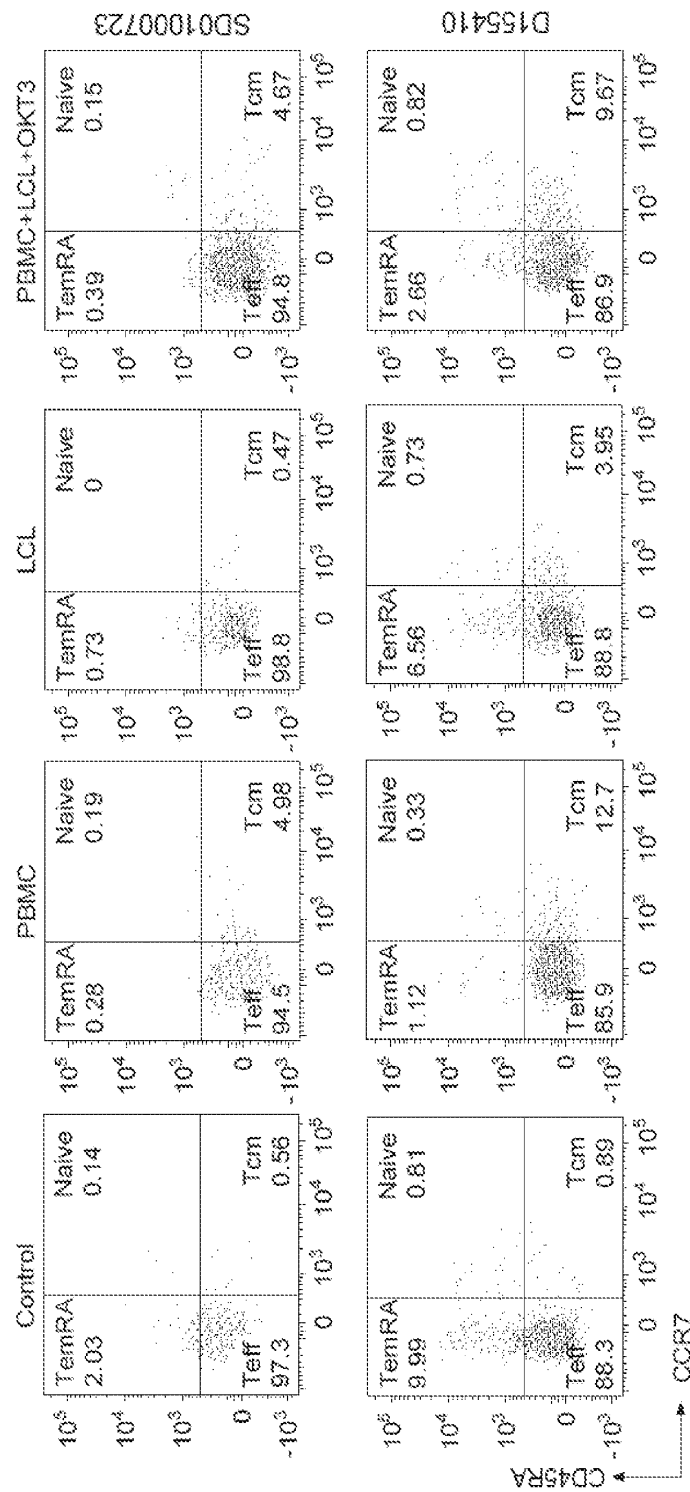


FIG. 19B

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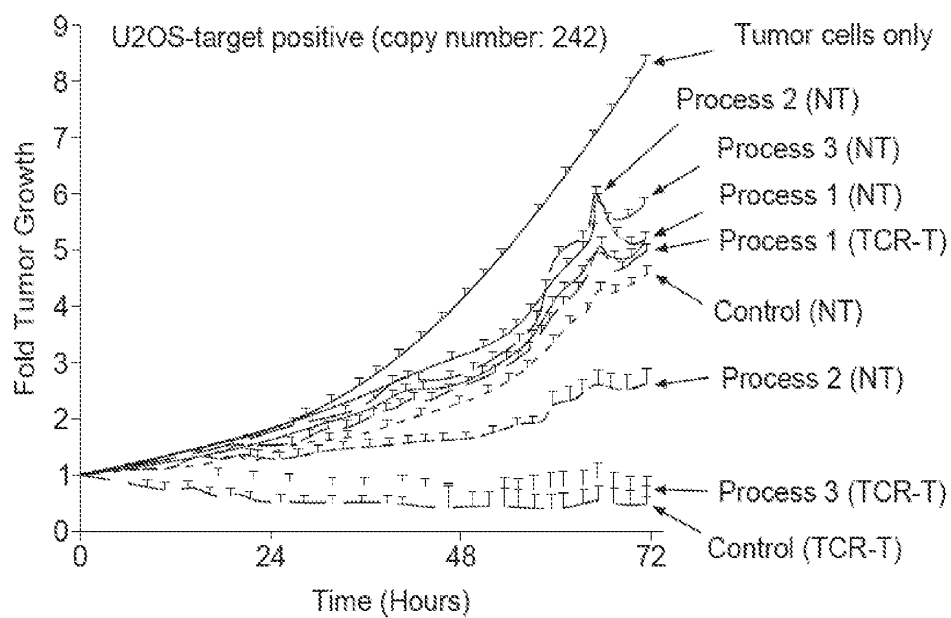


FIG. 20A

SUBSTITUTE SHEET (RULE 26)

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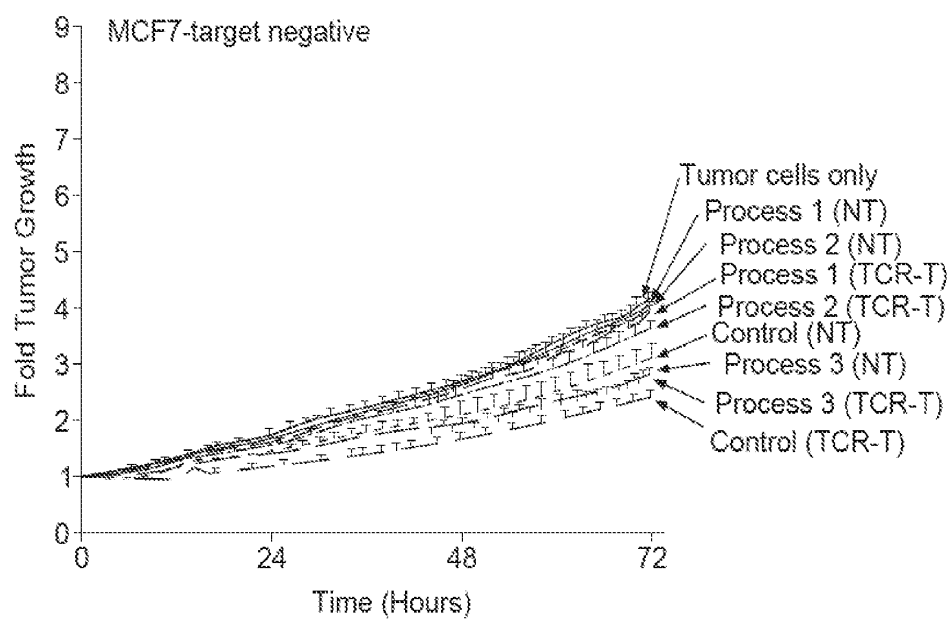


FIG. 20B

SUBSTITUTE SHEET (RULE 26)

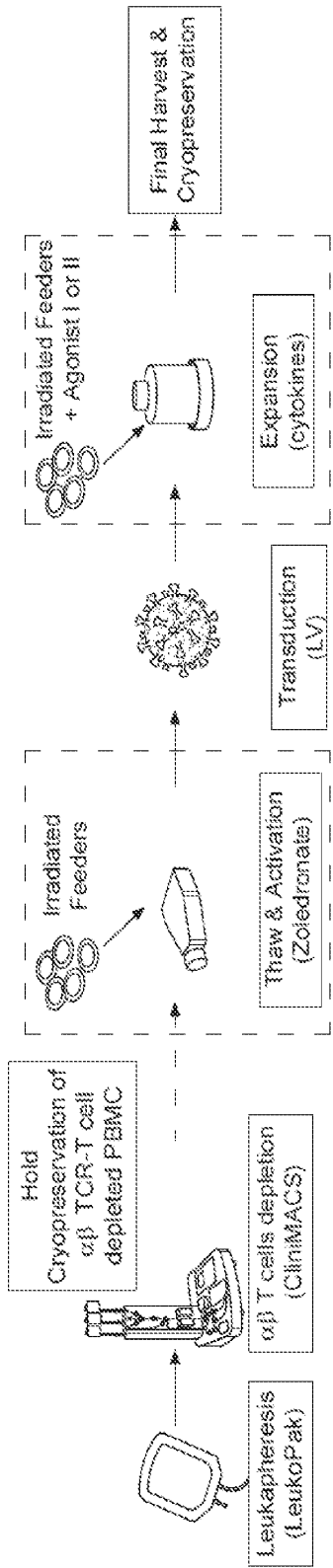


FIG. 21

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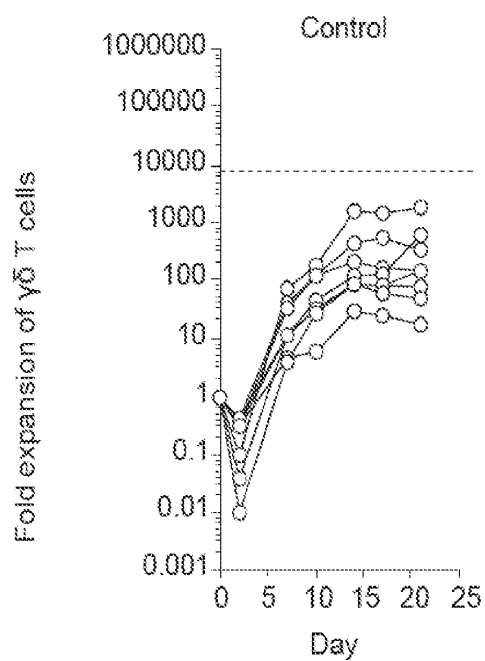
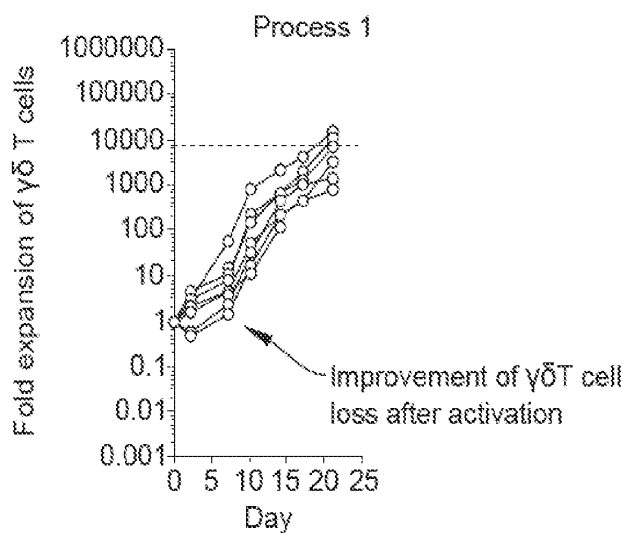


FIG. 22A



K562 express 41BBL
and mblL15

FIG. 22B

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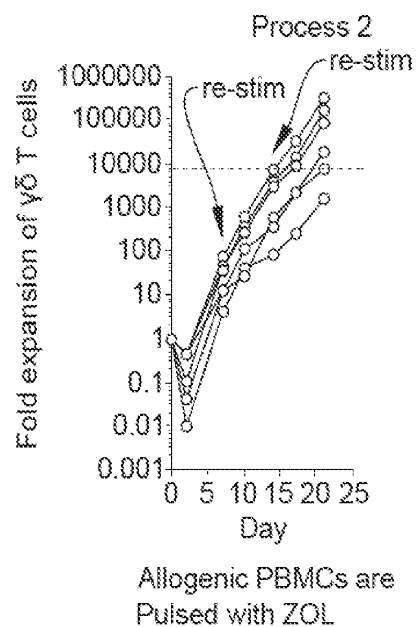


FIG. 22C

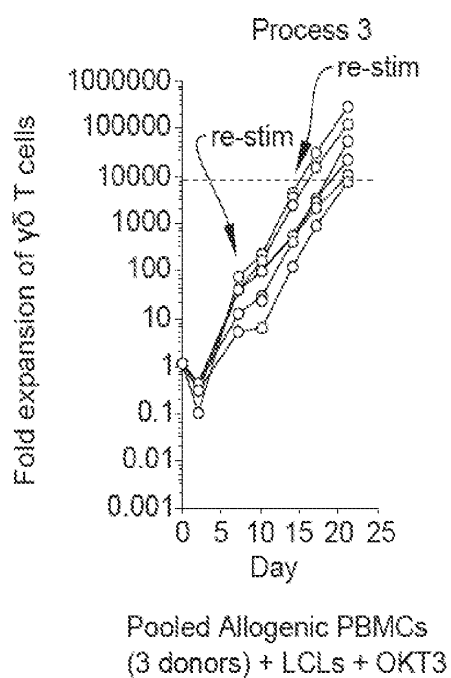


FIG. 22D

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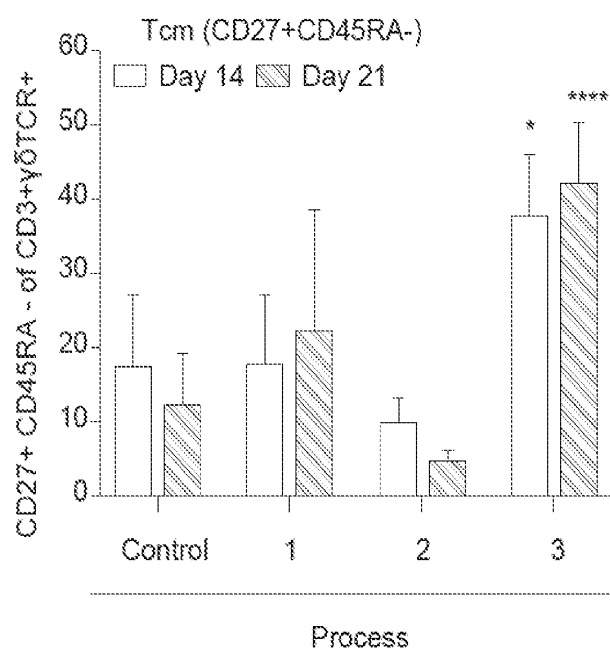


FIG. 23A

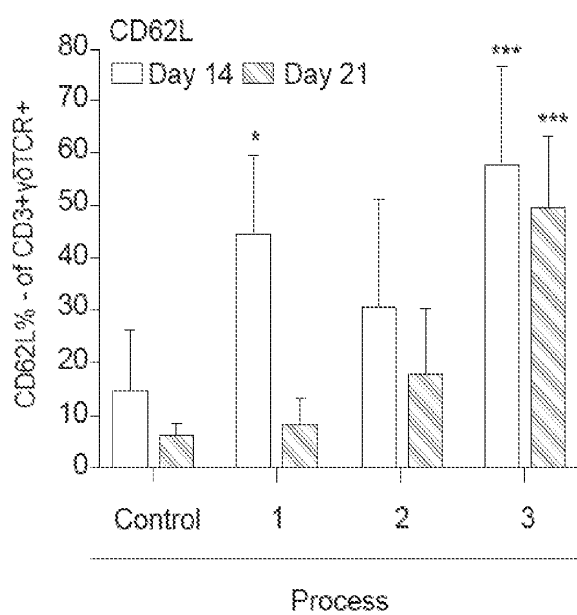


FIG. 23B

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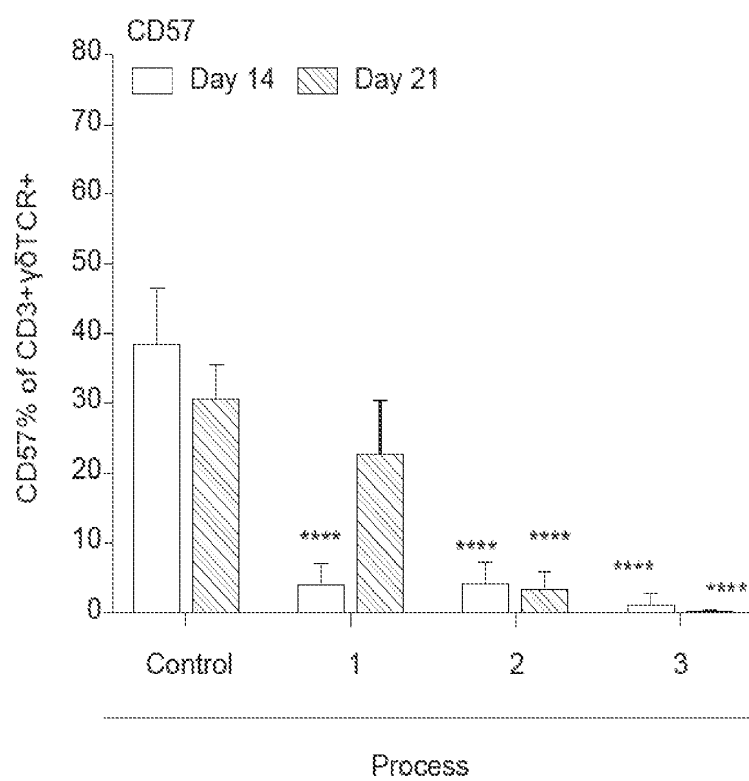


FIG. 23C

SUBSTITUTE SHEET (RULE 26)

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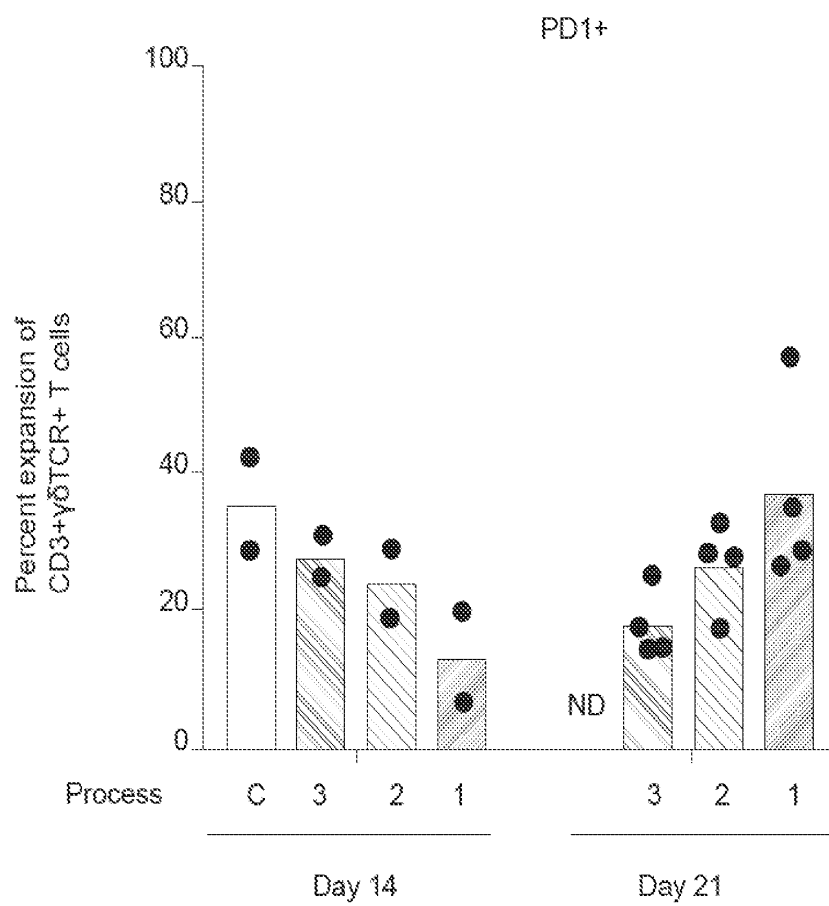


FIG. 24A

SUBSTITUTE SHEET (RULE 26)

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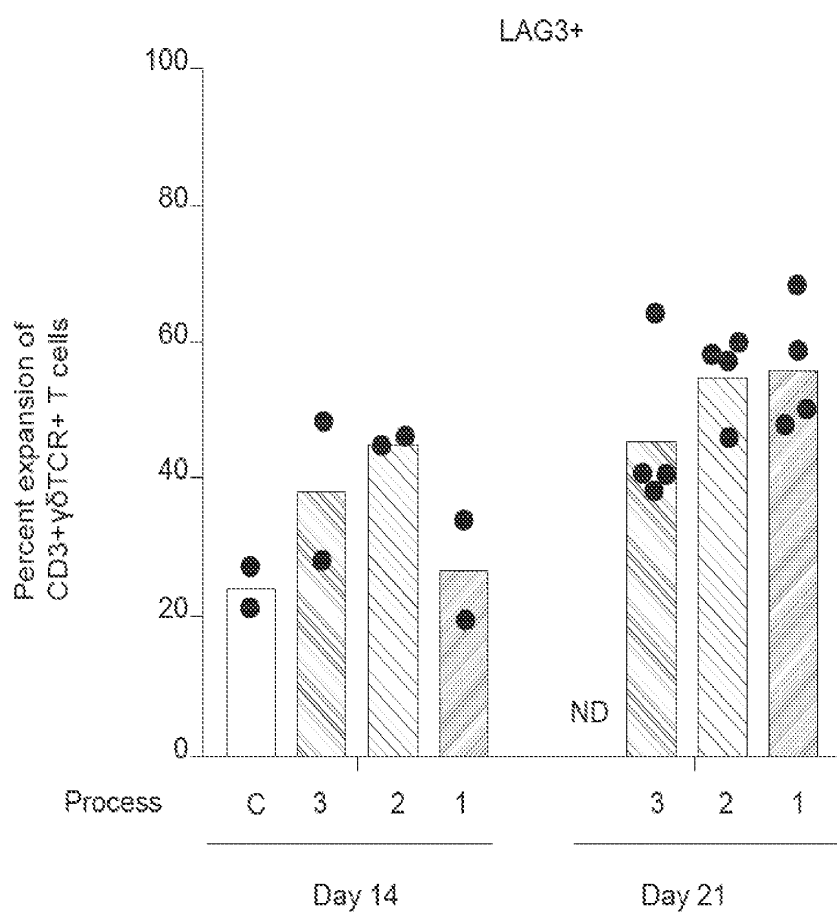


FIG. 24B

SUBSTITUTE SHEET (RULE 26)

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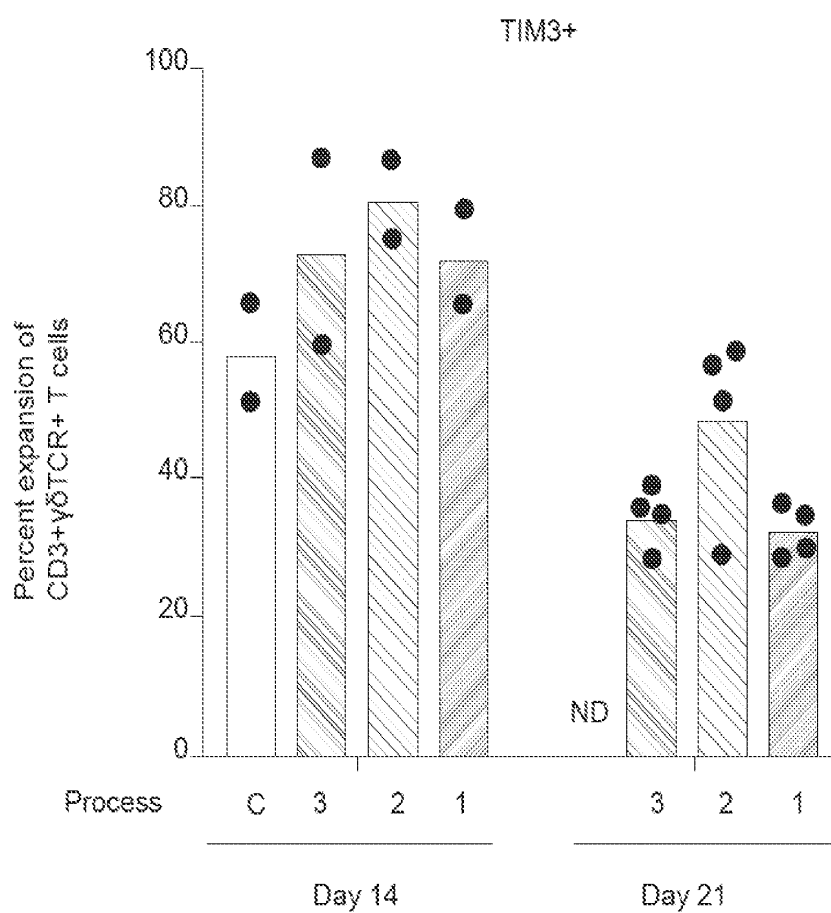


FIG. 24C

SUBSTITUTE SHEET (RULE 26)

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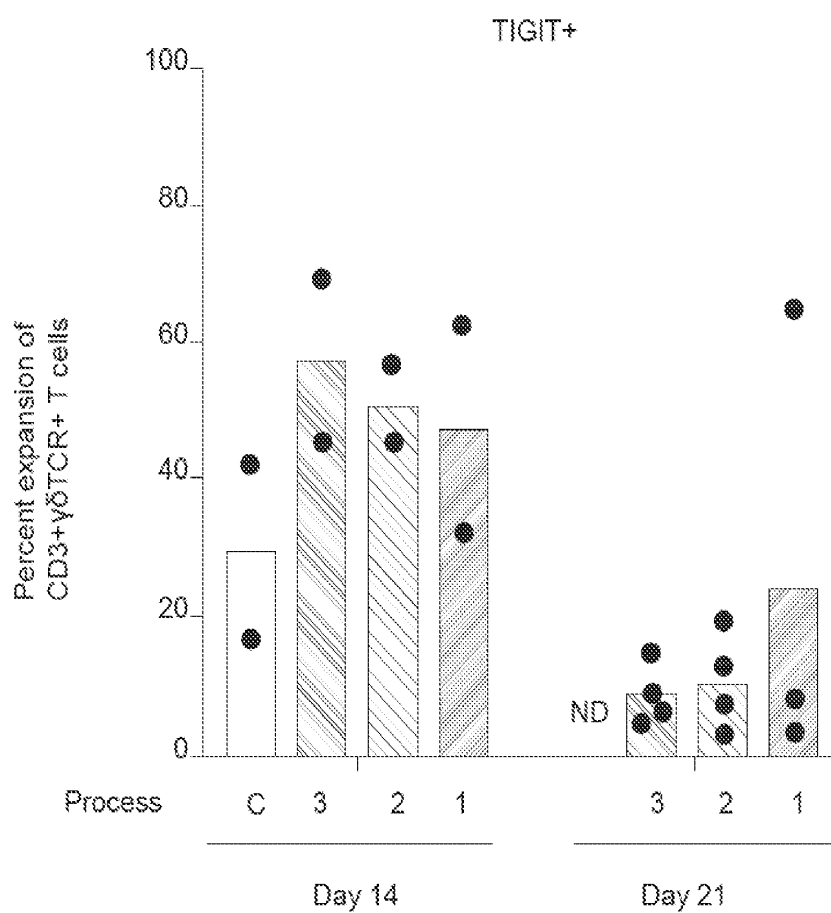


FIG. 24D

SUBSTITUTE SHEET (RULE 26)

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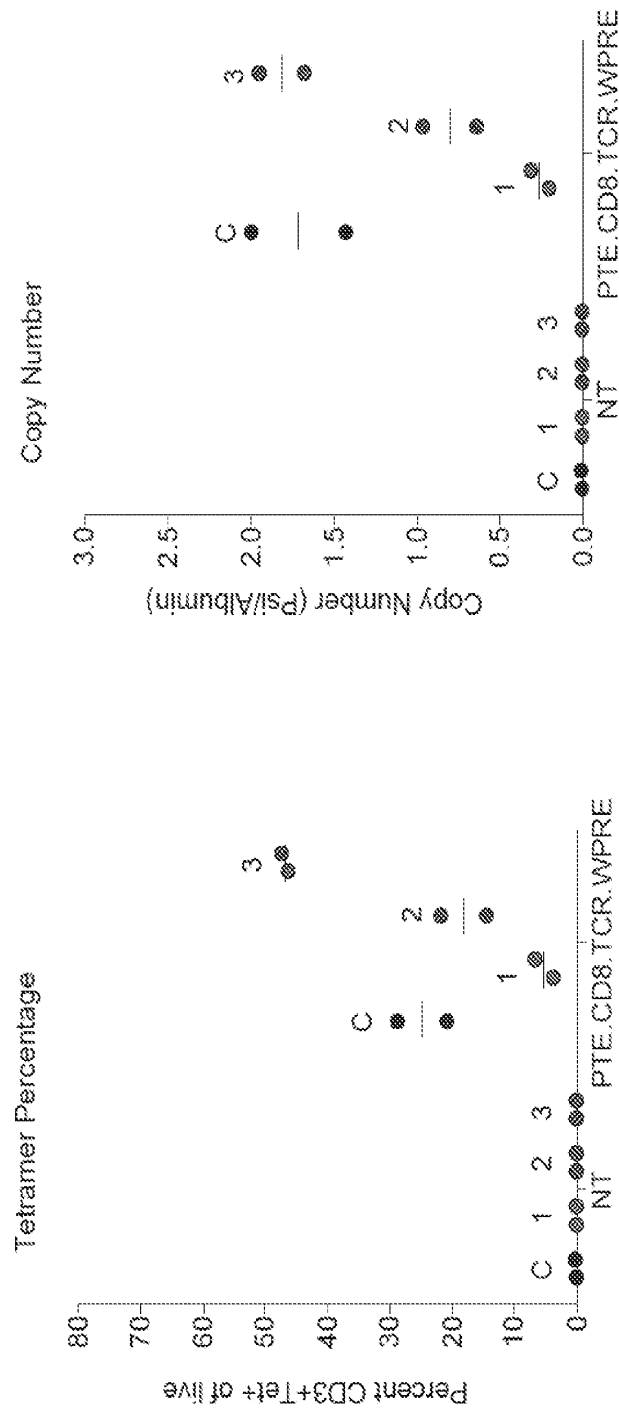


FIG. 25A

FIG. 25B

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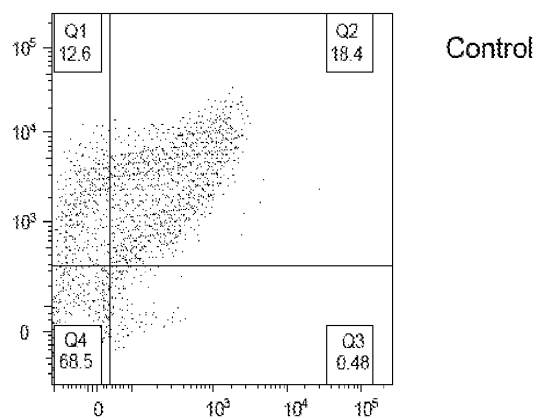


FIG. 26A

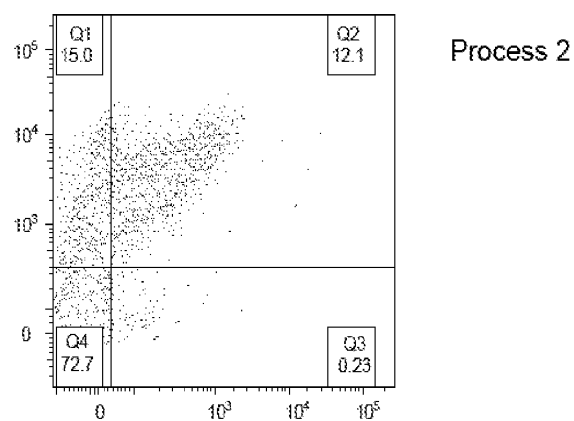


FIG. 26B

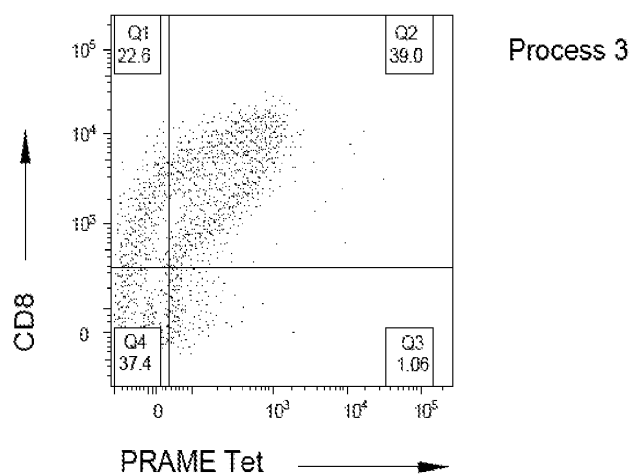


FIG. 26C

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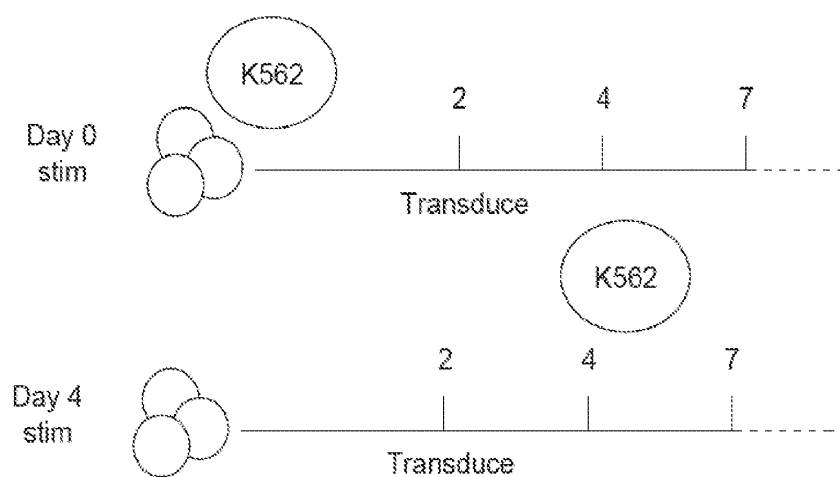


FIG. 27A

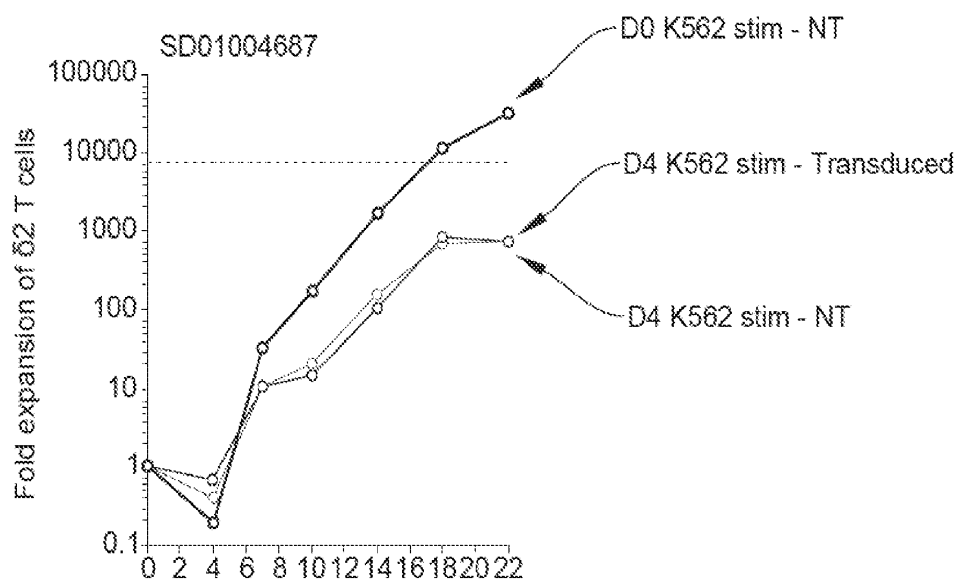


FIG. 27B

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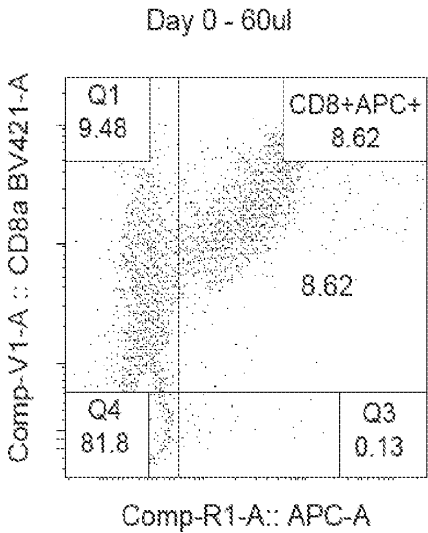


FIG. 28A

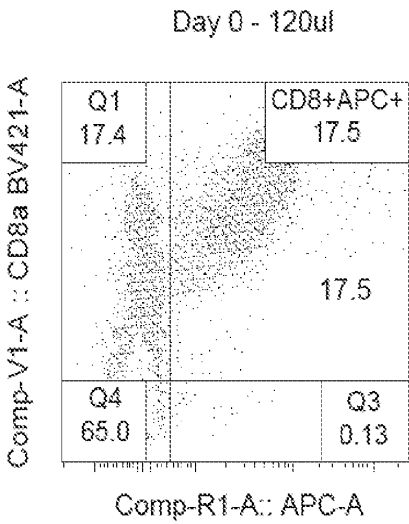


FIG. 28B

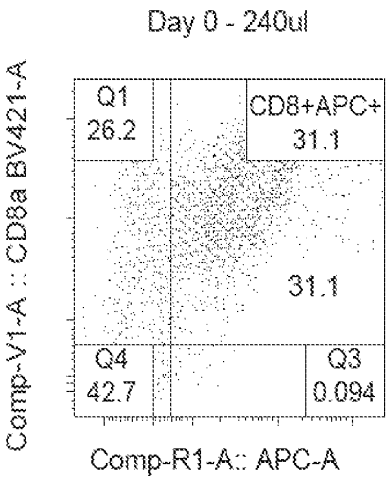


FIG. 28C

Sample	Copy #
NT	0.00
60ul	1.71
120ul	2.61
240ul	7.53

FIG. 28D

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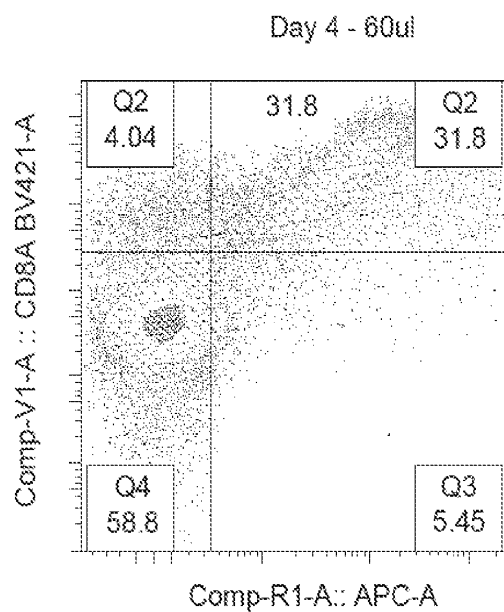


FIG. 28E

Sample	Copy #
NT	0.00
Transduced	1.71

FIG. 28F

SUBSTITUTE SHEET (RULE 26)

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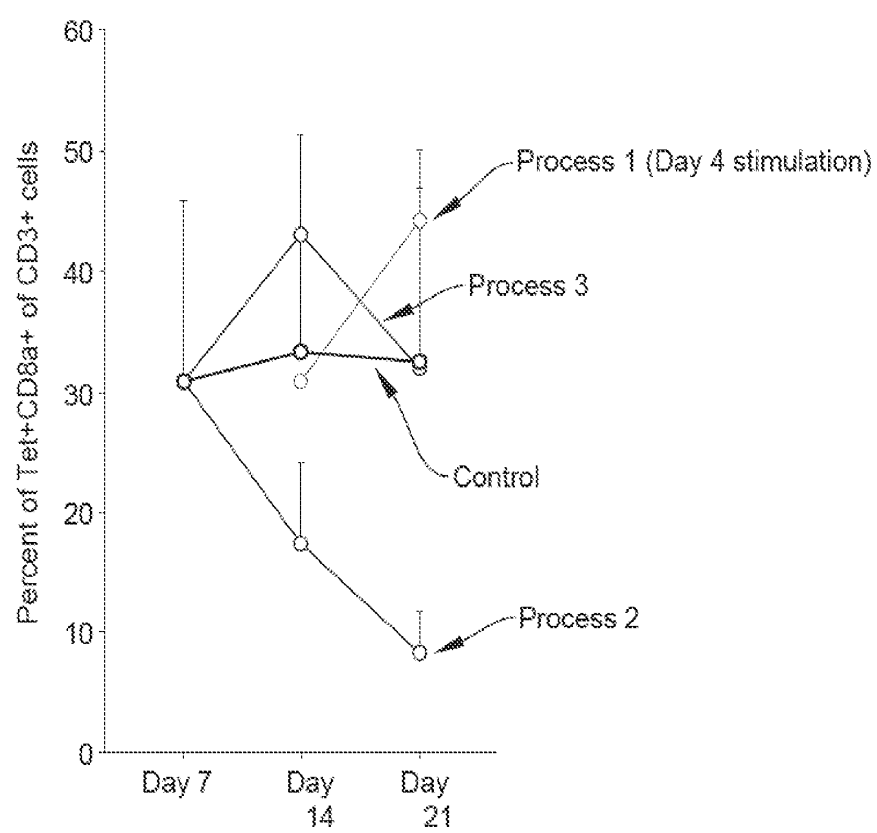


FIG. 29

SUBSTITUTE SHEET (RULE 26)

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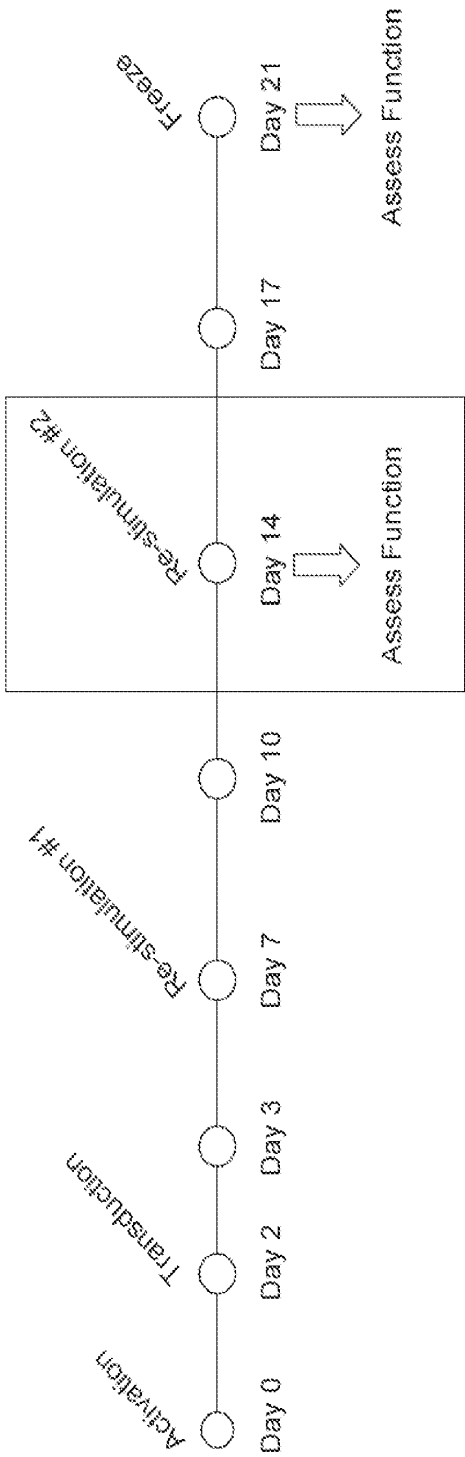


FIG. 30

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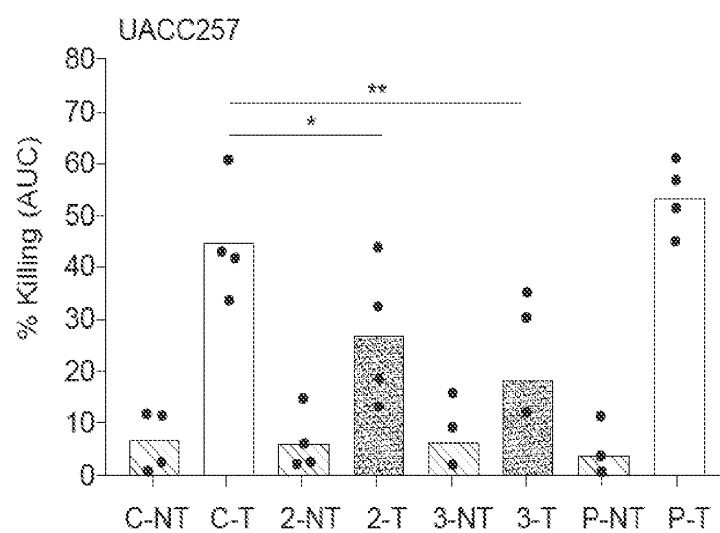


FIG. 31A

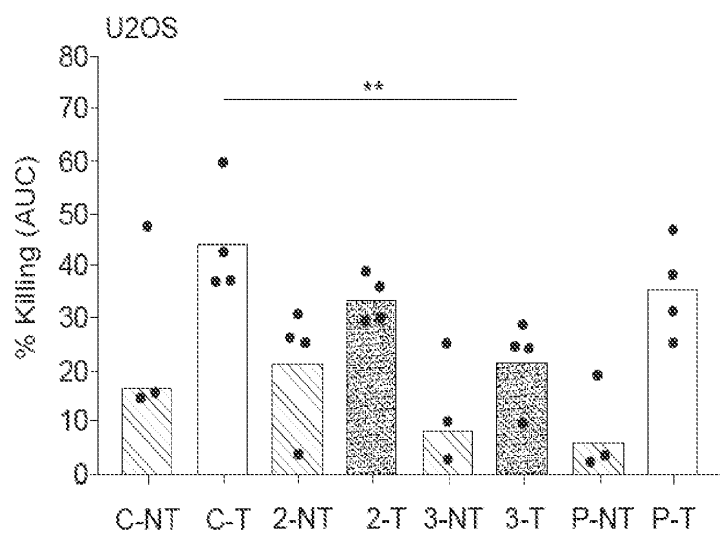


FIG. 31B

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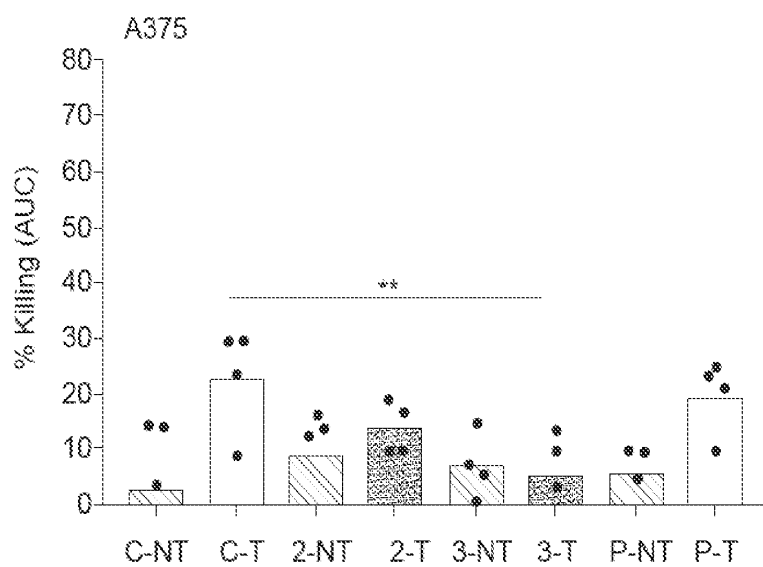


FIG. 31C

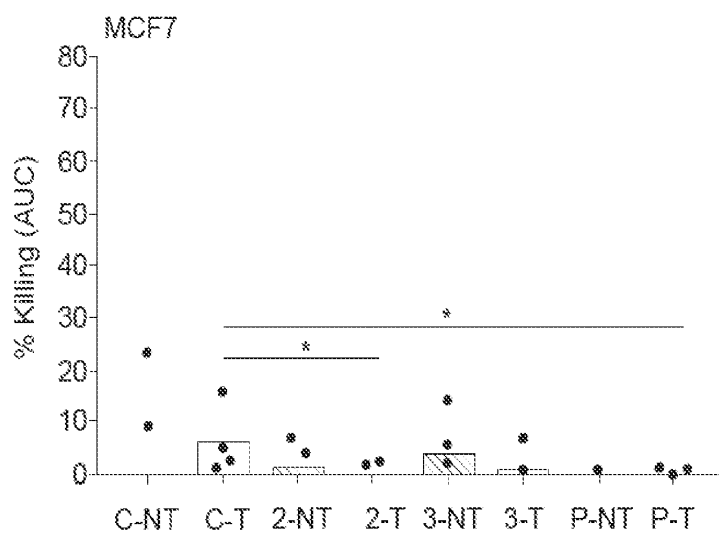


FIG. 31D

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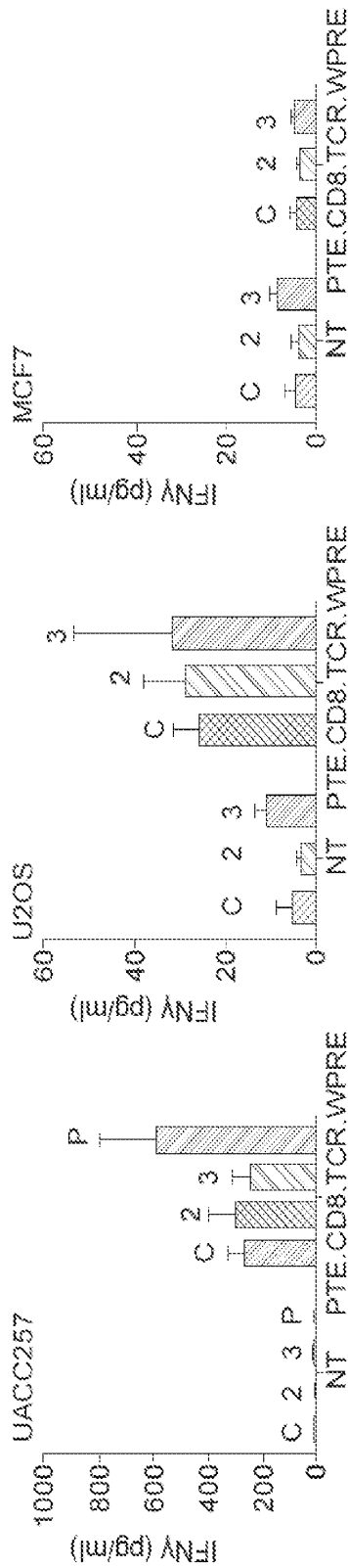


FIG. 32C

FIG. 32B

FIG. 32A

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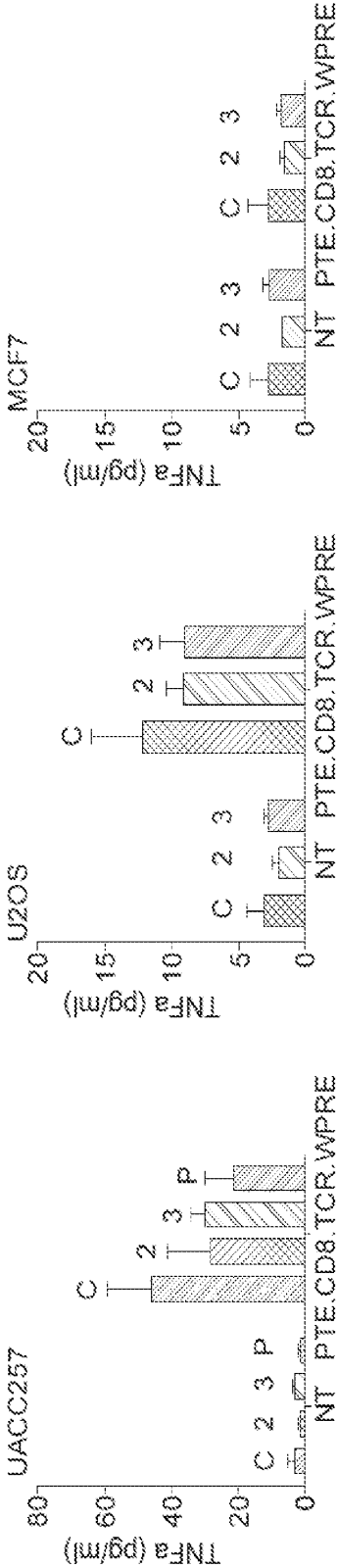


FIG. 33C

FIG. 33B

FIG. 33A

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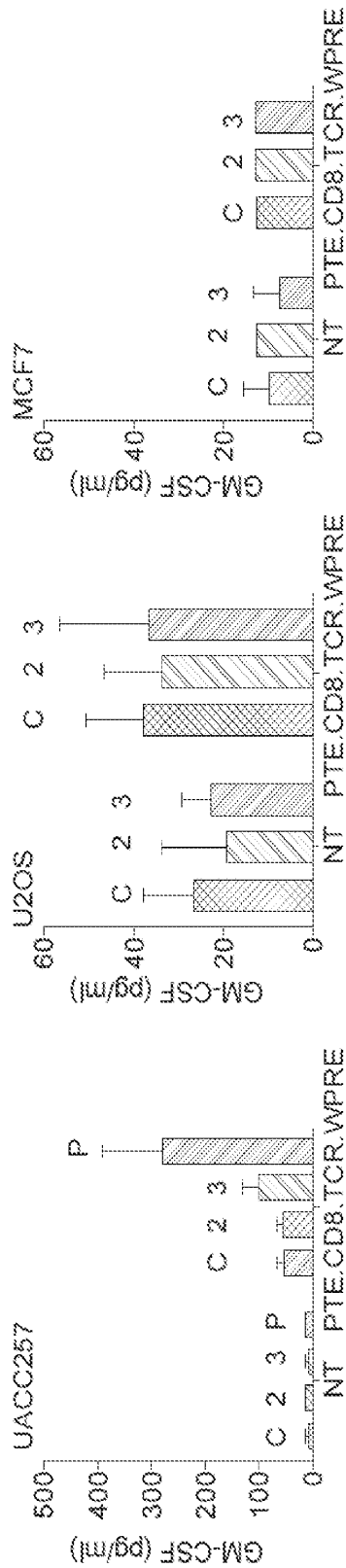


FIG. 34A

FIG. 34B

FIG. 34C

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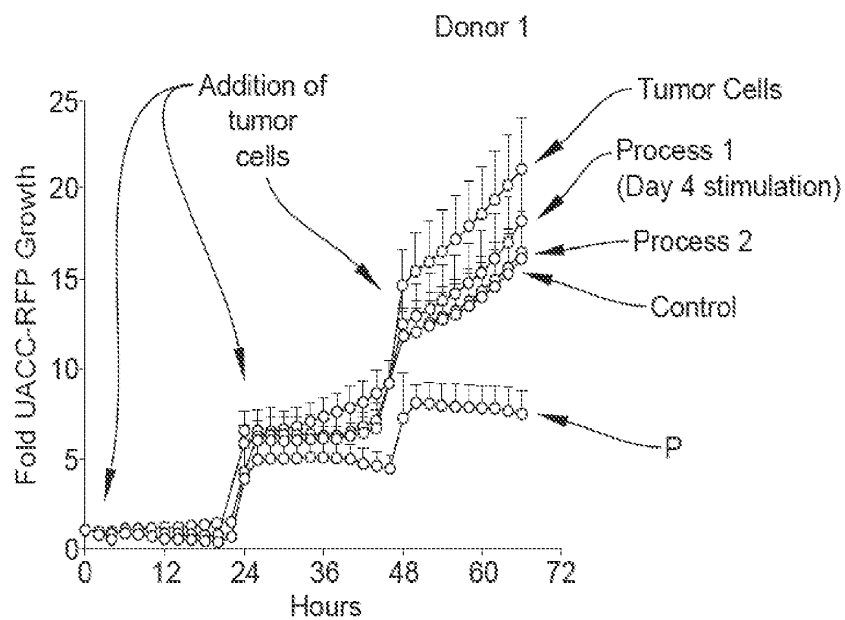


FIG. 35A

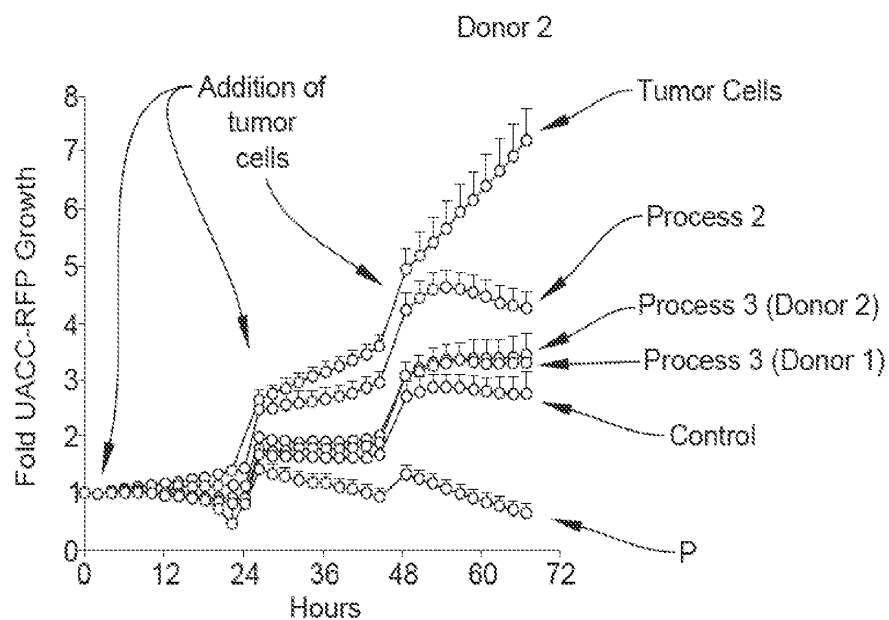


FIG. 35B

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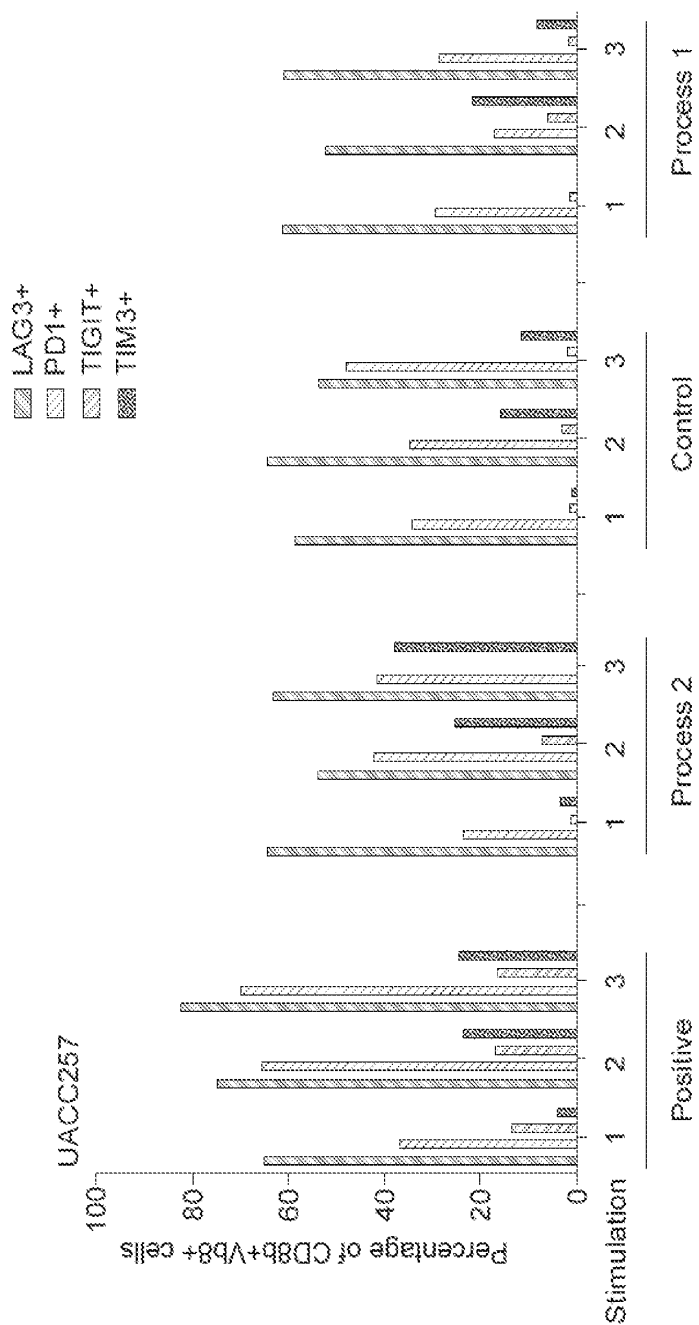


FIG. 36

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*re-stimulation				
	Day	Day 0-Day6	Day 7*	Day 8 - Day 14
Condition 1	Control	IL-2 + IL-15	No cytokine	IL-2
Condition 2	IL-2 + IL-15	IL-2 + IL-15	No cytokine	IL-2 + IL-15
Condition 3	IL-12 + IL-18 priming	IL-12 + IL-15	IL-12 + IL-18 priming	IL-2 + IL-15
Condition 4	IL-21 + HDACi (Condition 1)	IL-2 + IL-15	No cytokine	IL-21 + HDACi + IL-2 + IL-15
Condition 5	IL-21 + HDACi (Condition 2)	IL-21 + HDACi + IL-2 + IL-15	No cytokine	IL-2 + IL-15

FIG. 37

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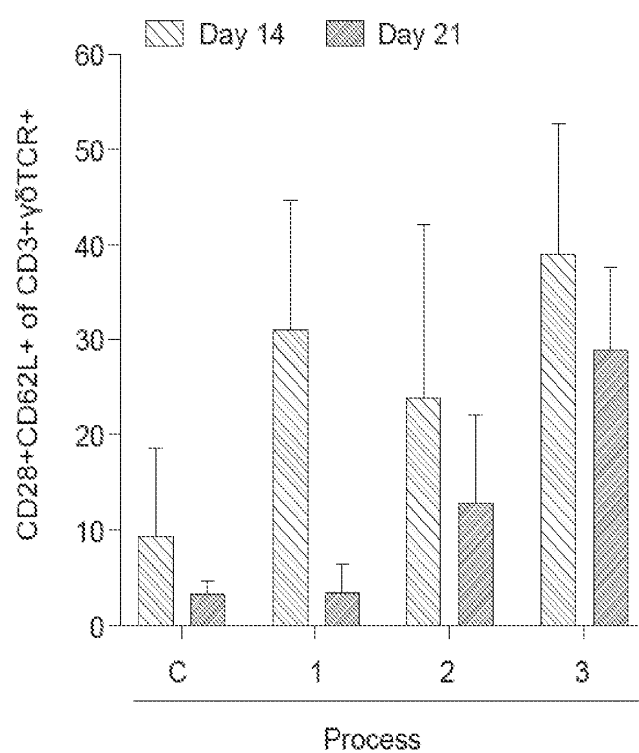


FIG. 38

SUBSTITUTE SHEET (RULE 26)

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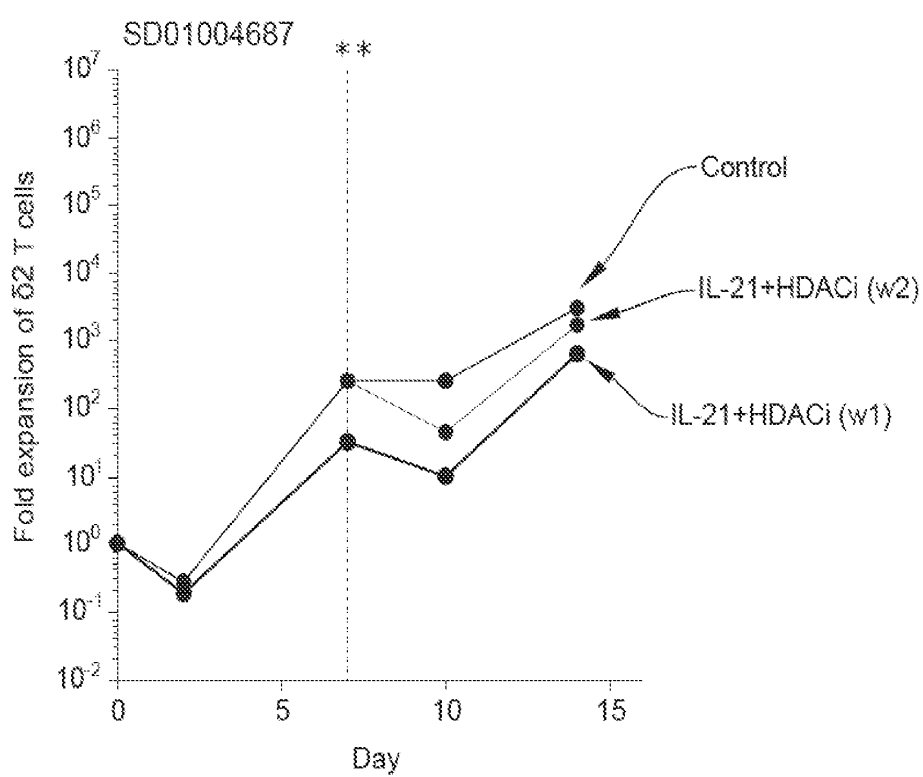


FIG. 39A

SUBSTITUTE SHEET (RULE 26)

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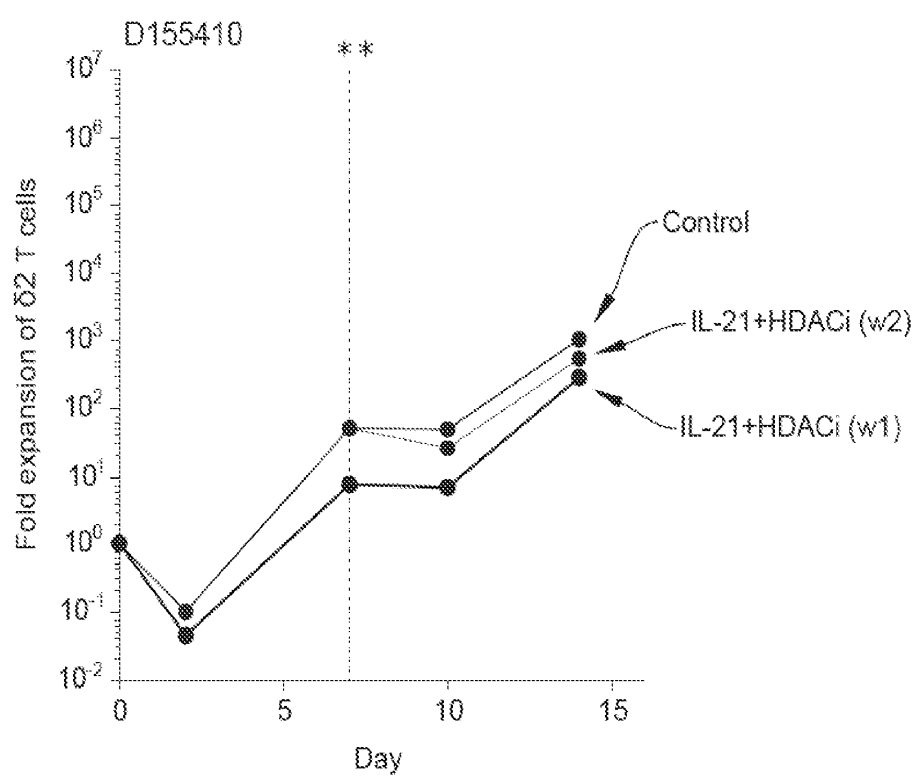


FIG. 39B

SUBSTITUTE SHEET (RULE 26)

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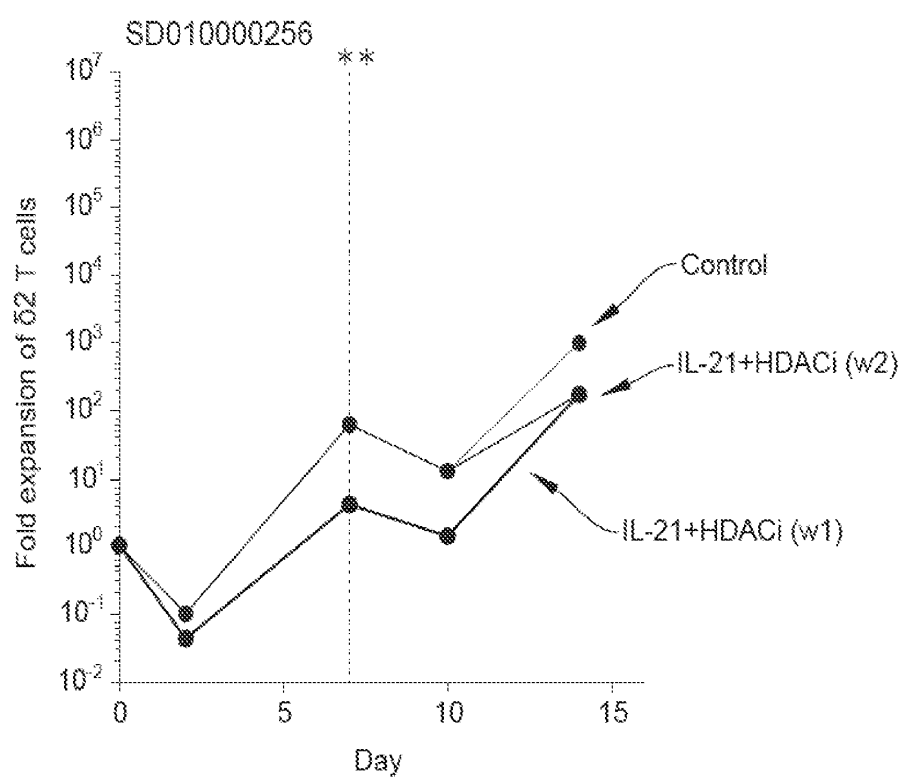


FIG. 39C

SUBSTITUTE SHEET (RULE 26)

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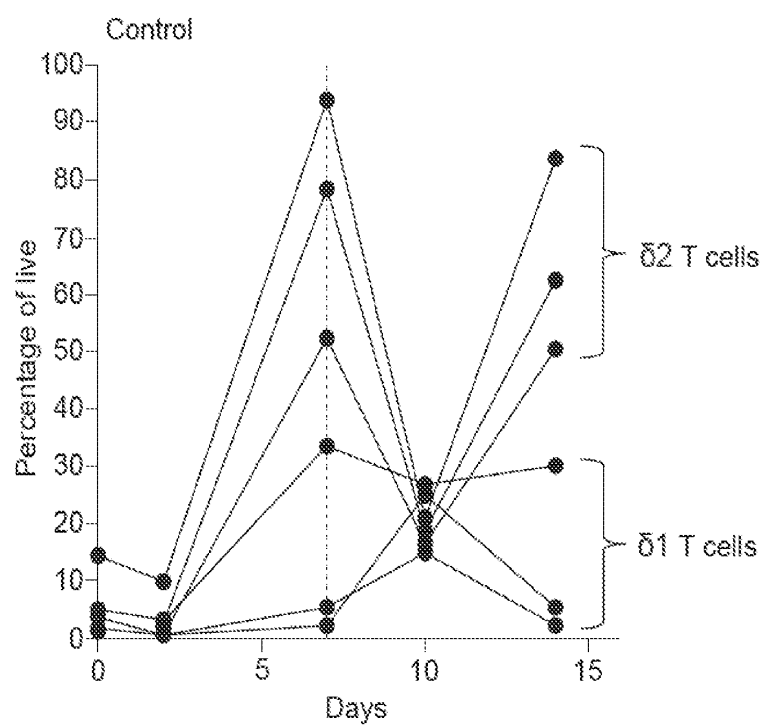


FIG. 40A

SUBSTITUTE SHEET (RULE 26)

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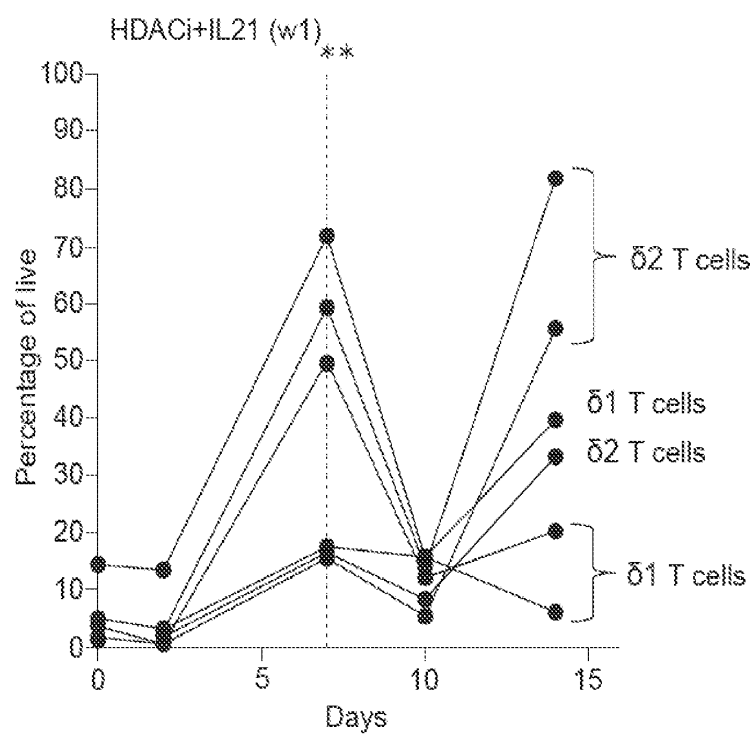


FIG. 40B

SUBSTITUTE SHEET (RULE 26)

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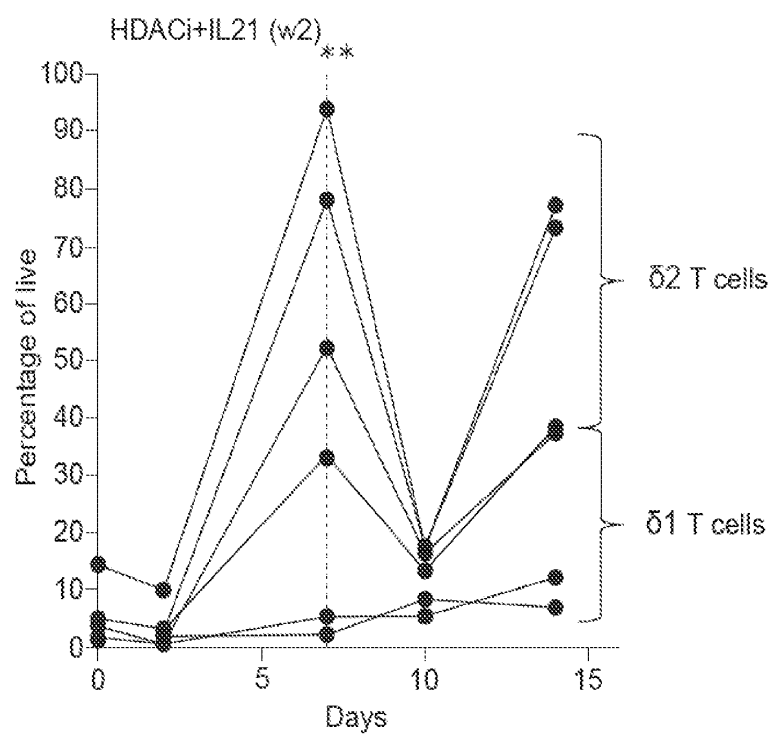


FIG. 40C

SUBSTITUTE SHEET (RULE 26)

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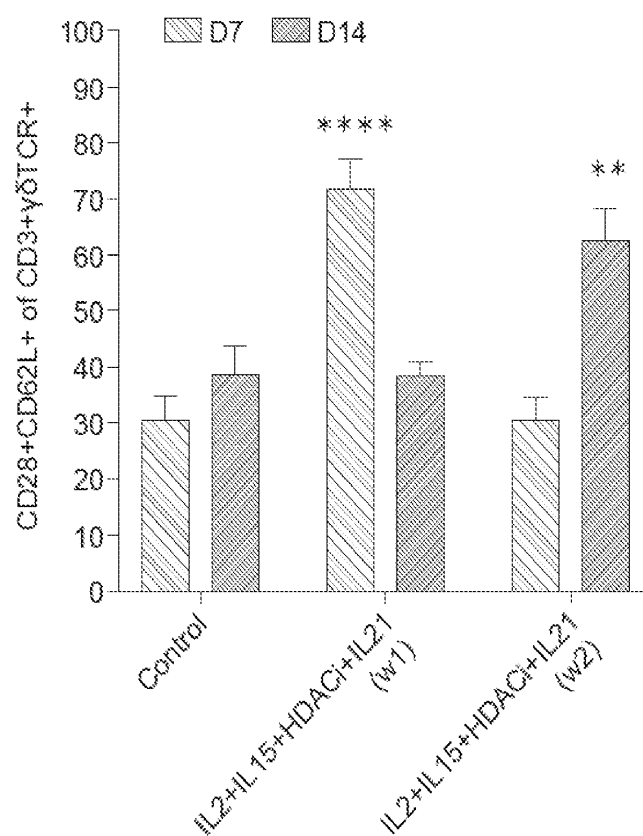


FIG. 41A

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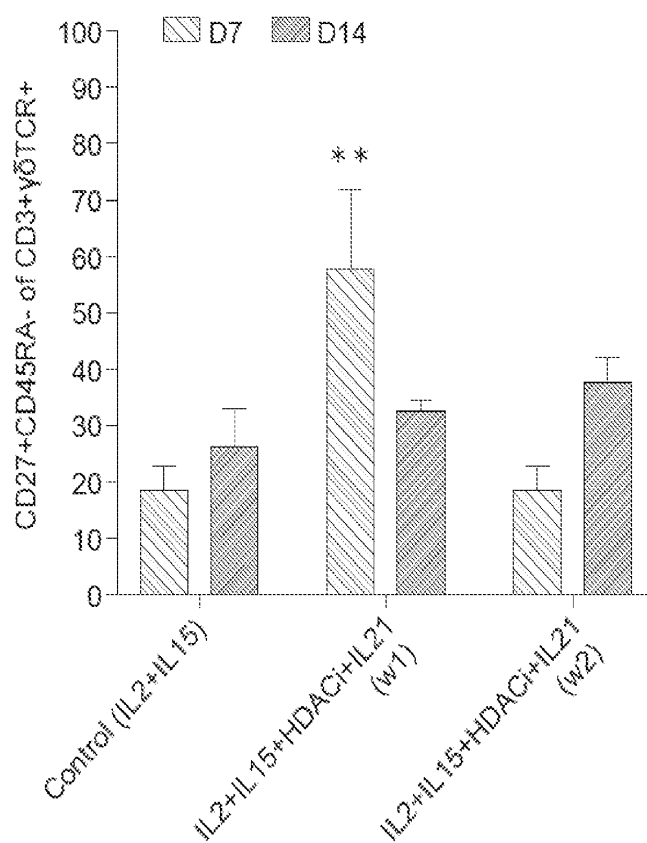


FIG. 41B

SUBSTITUTE SHEET (RULE 26)

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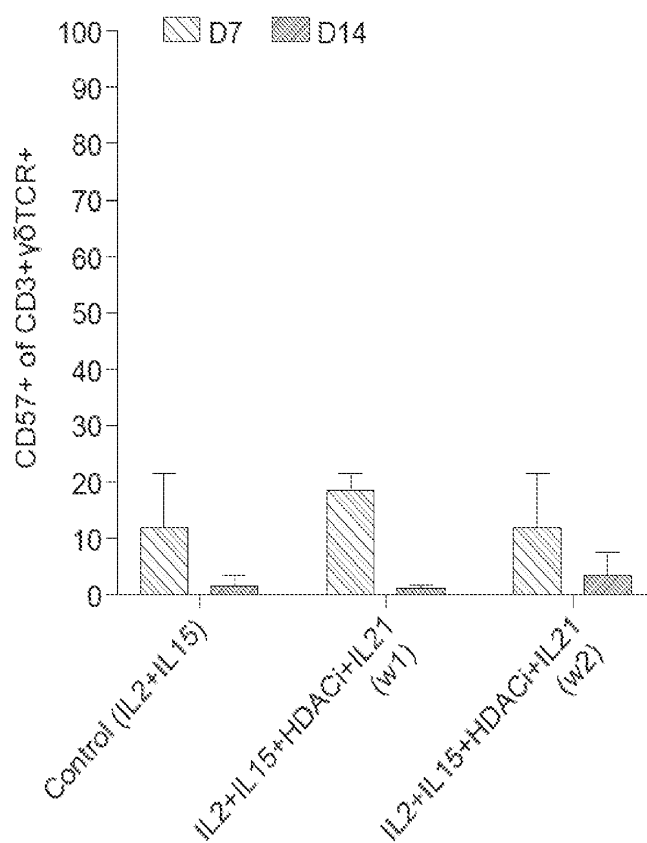


FIG. 41C

SUBSTITUTE SHEET (RULE 26)

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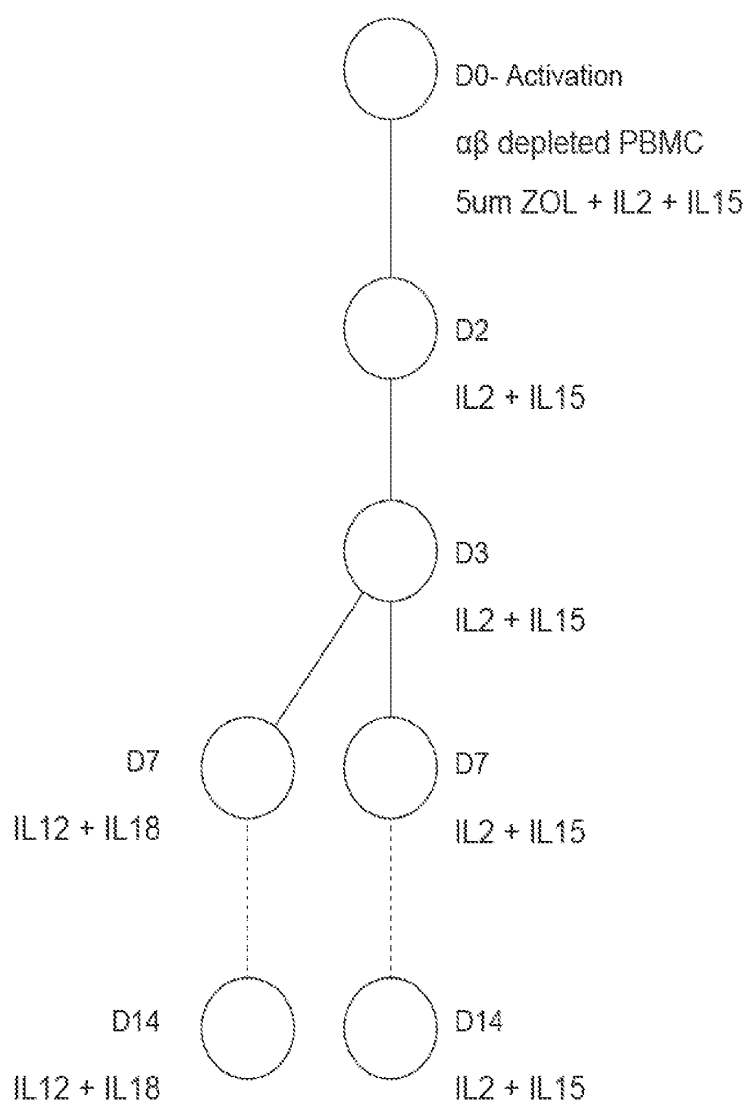


FIG. 42

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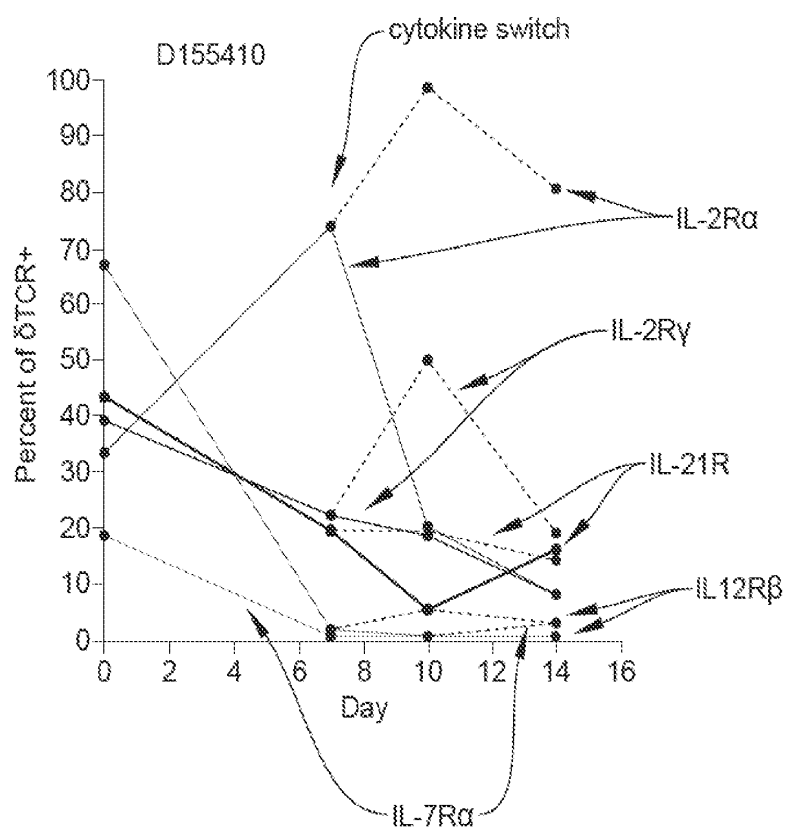


FIG. 43A

SUBSTITUTE SHEET (RULE 26)

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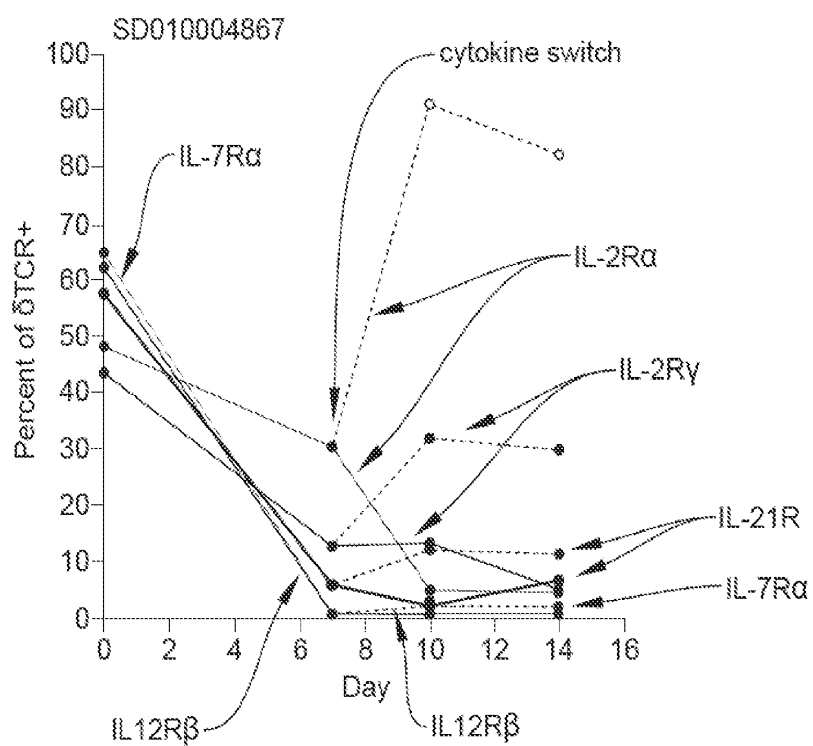


FIG. 43B

SUBSTITUTE SHEET (RULE 26)

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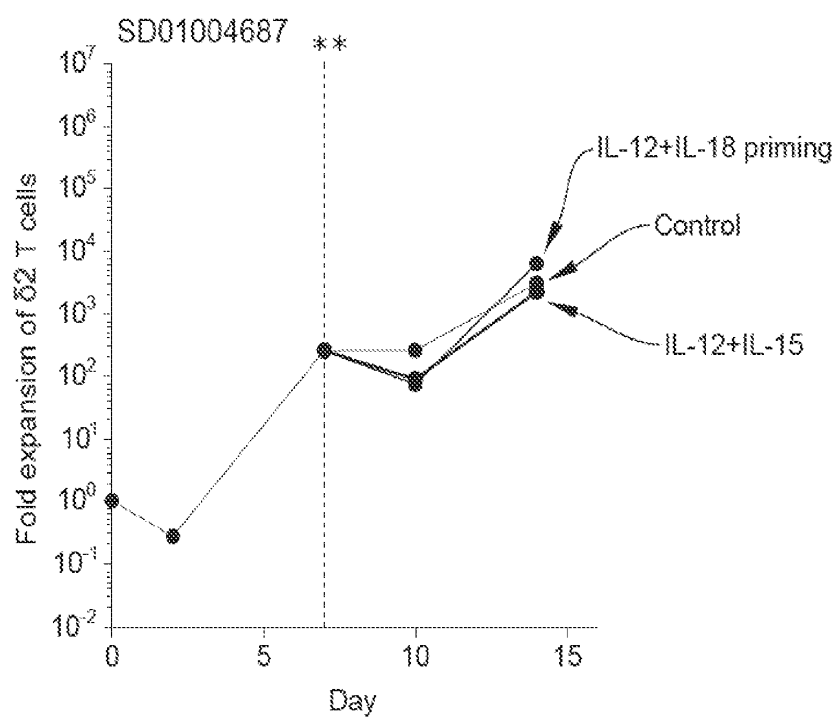


FIG. 44A

SUBSTITUTE SHEET (RULE 26)

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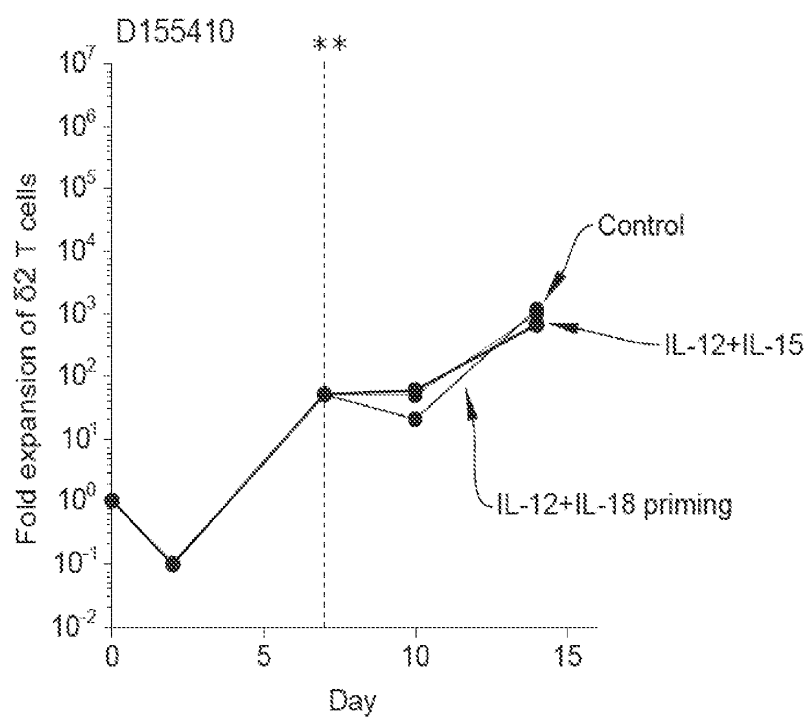


FIG. 44B

SUBSTITUTE SHEET (RULE 26)

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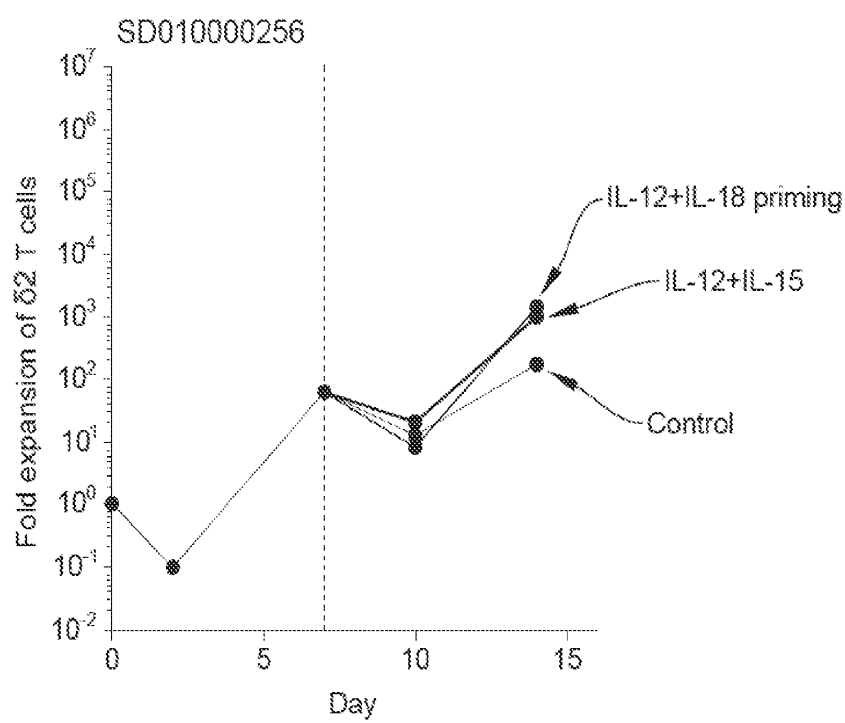


FIG. 44C

SUBSTITUTE SHEET (RULE 26)

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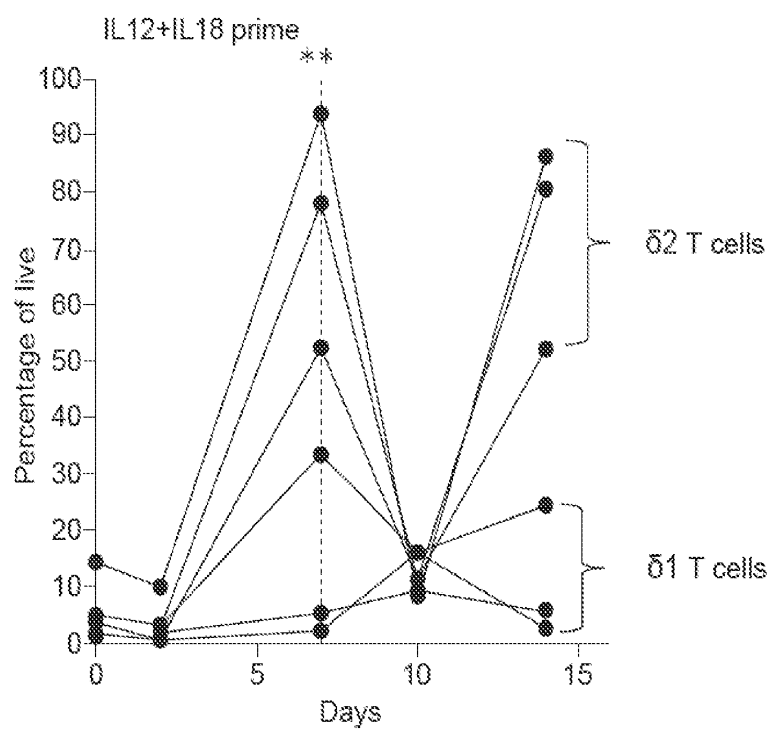


FIG. 45A

SUBSTITUTE SHEET (RULE 26)

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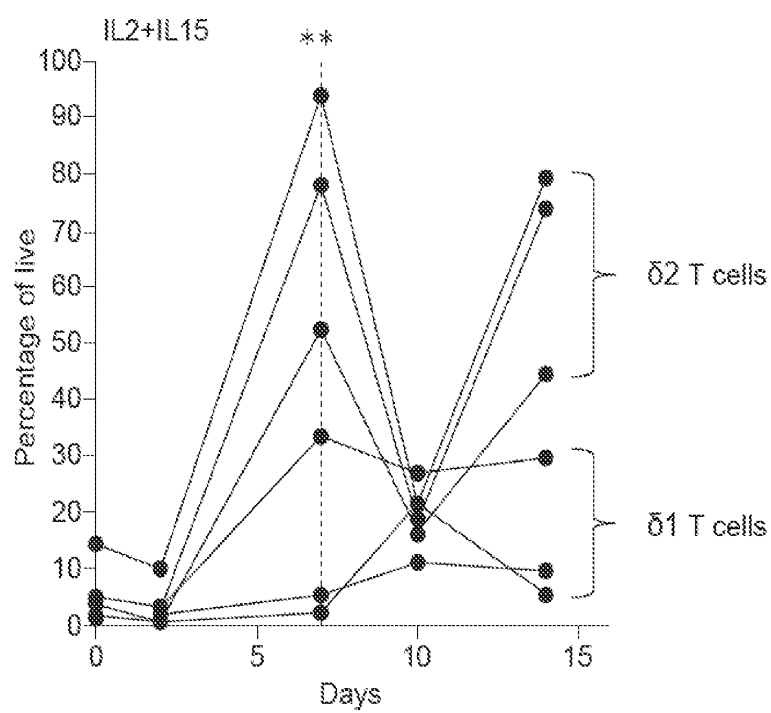


FIG. 45B

SUBSTITUTE SHEET (RULE 26)

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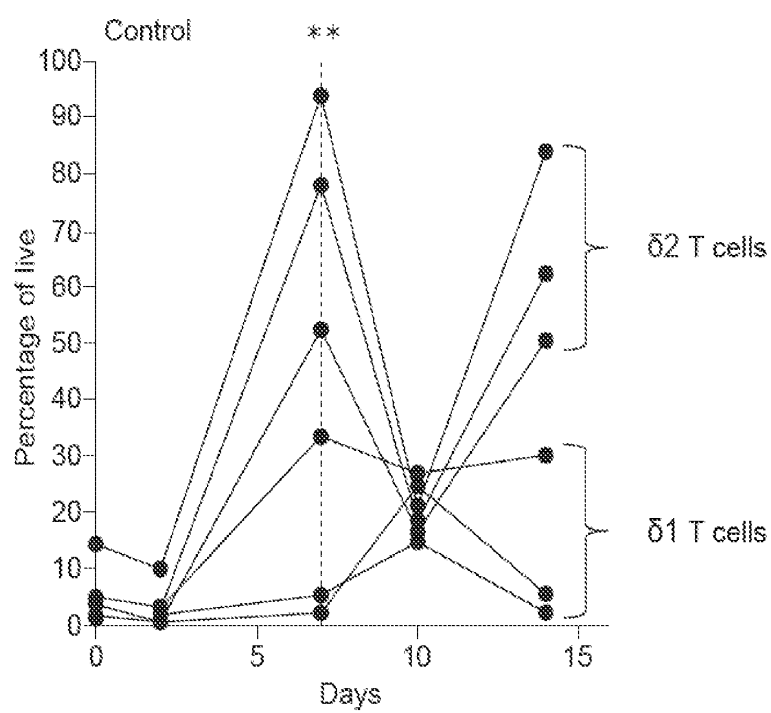


FIG. 45C

SUBSTITUTE SHEET (RULE 26)

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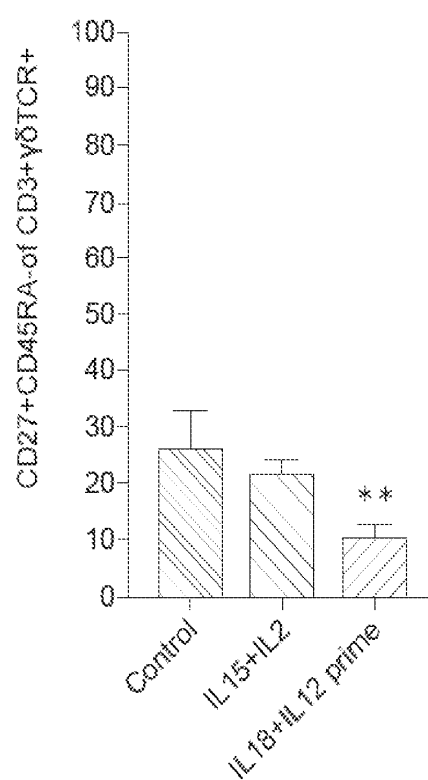


FIG. 46A

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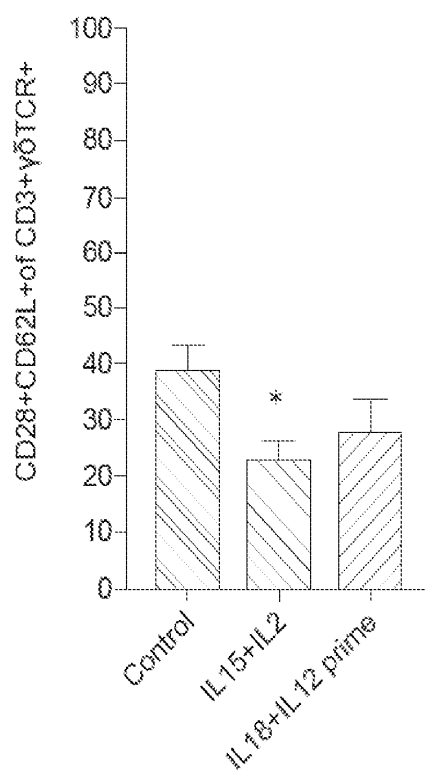


FIG. 46B

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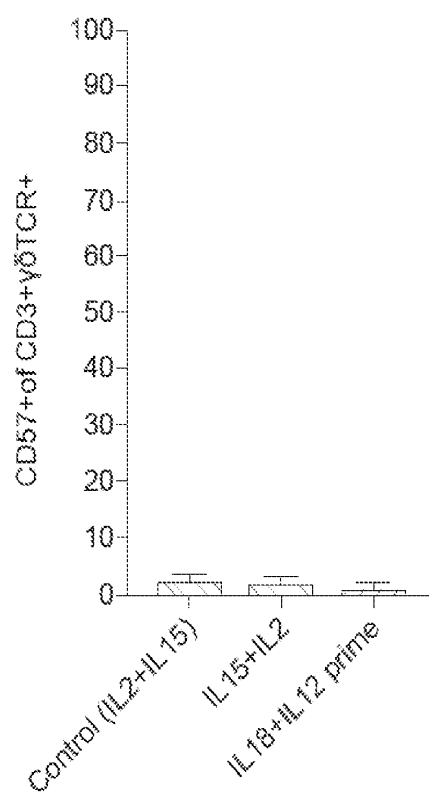


FIG. 46C

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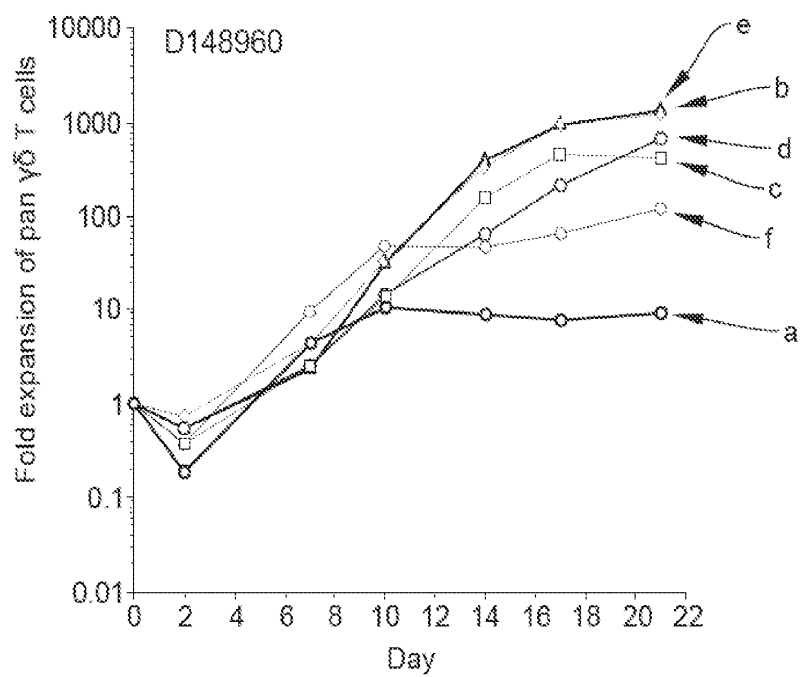


FIG. 47A

SUBSTITUTE SHEET (RULE 26)

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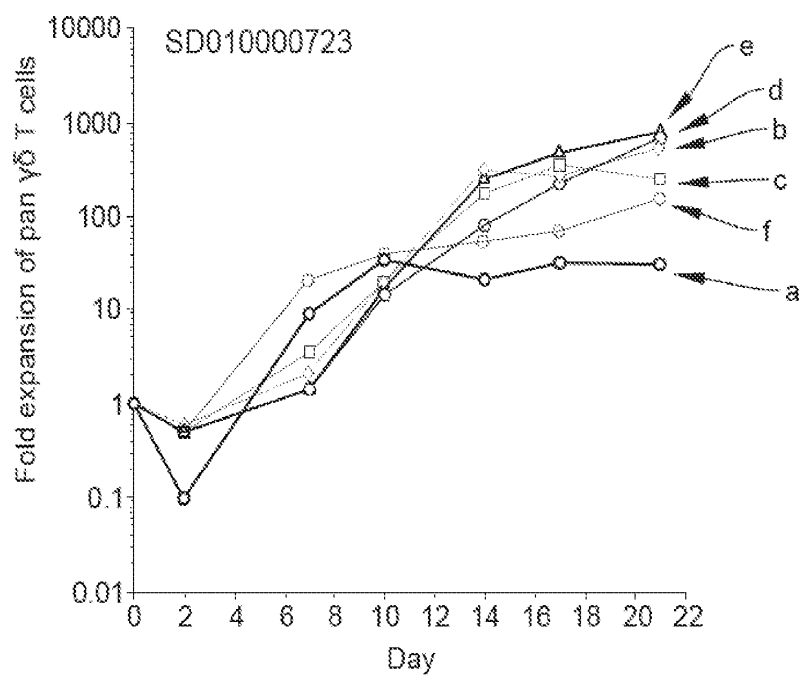


FIG. 47B

SUBSTITUTE SHEET (RULE 26)

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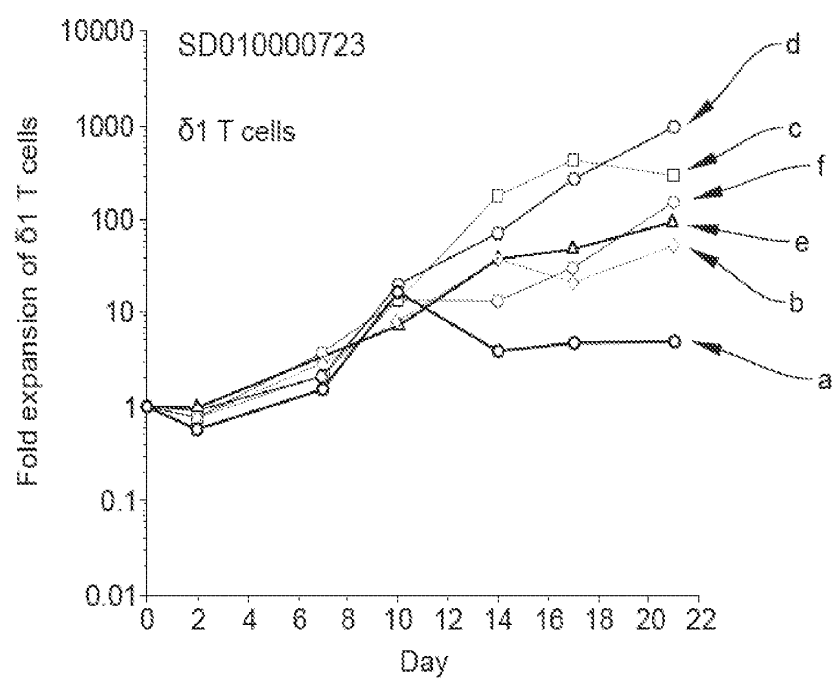


FIG. 48A

SUBSTITUTE SHEET (RULE 26)

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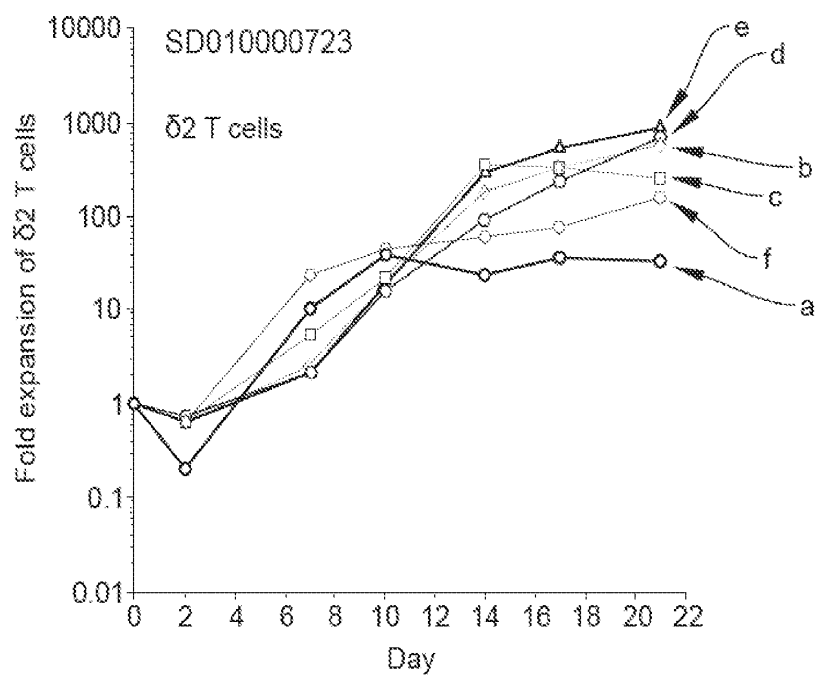


FIG. 48B

SUBSTITUTE SHEET (RULE 26)

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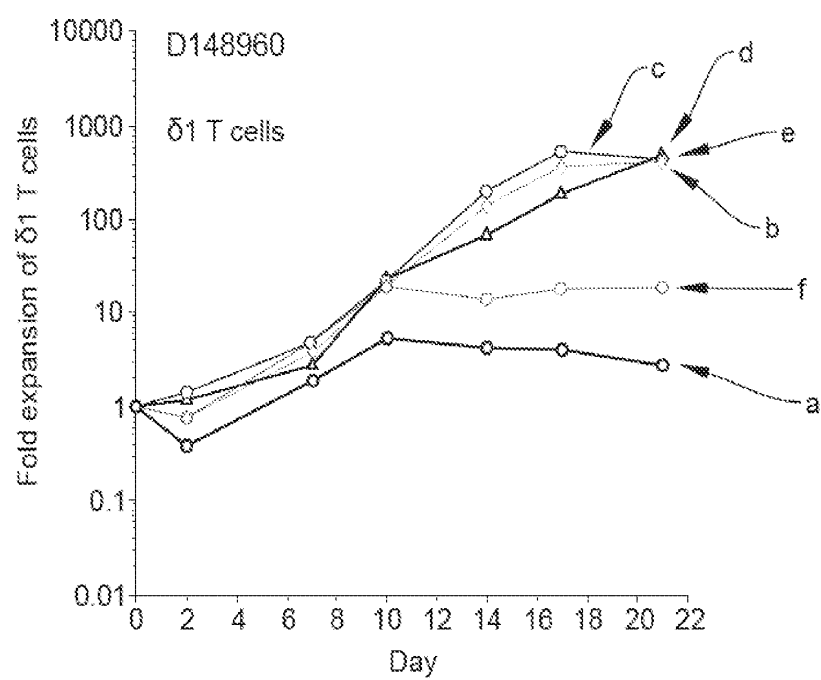


FIG. 49A

SUBSTITUTE SHEET (RULE 26)

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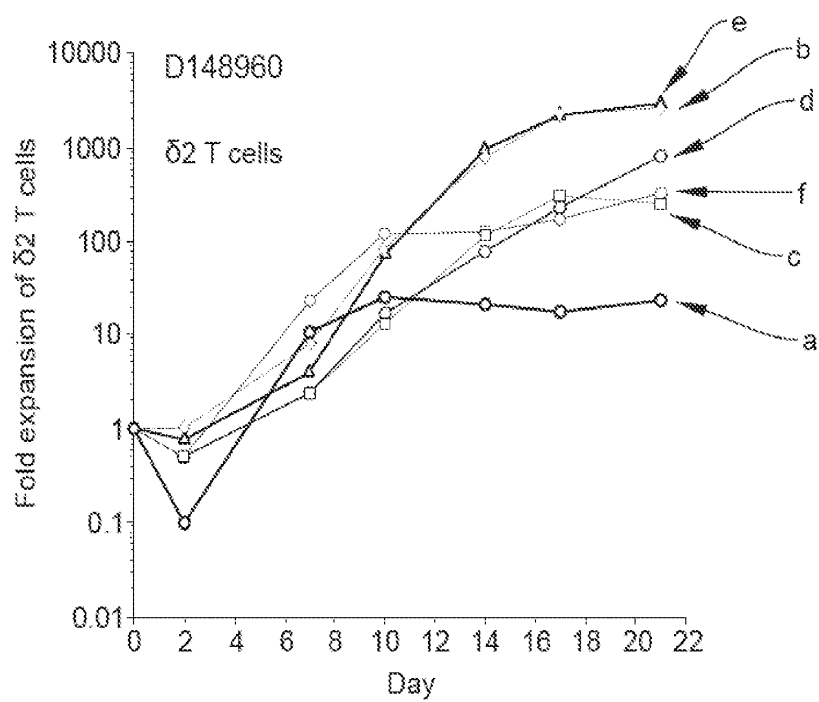


FIG. 49B

SUBSTITUTE SHEET (RULE 26)