

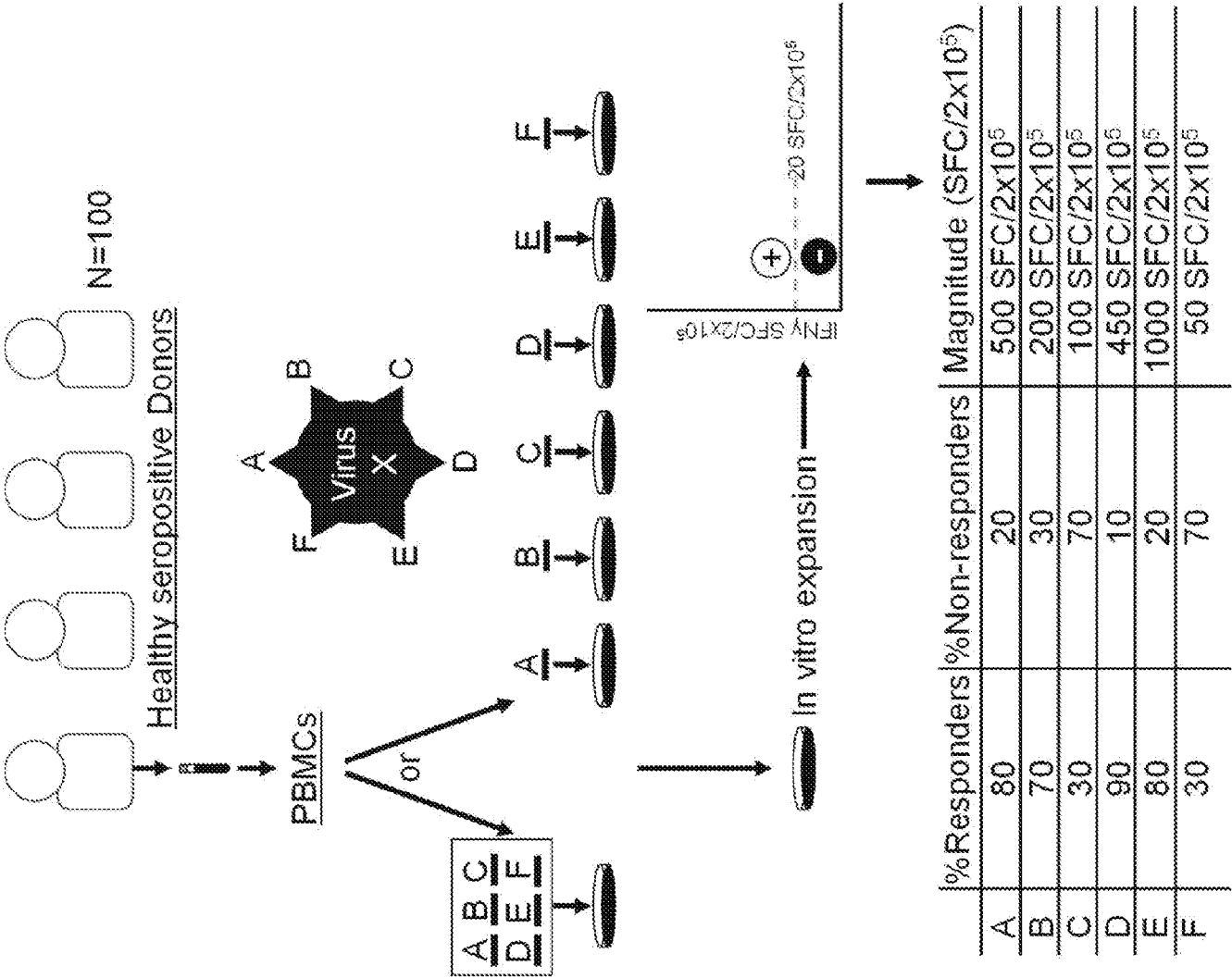
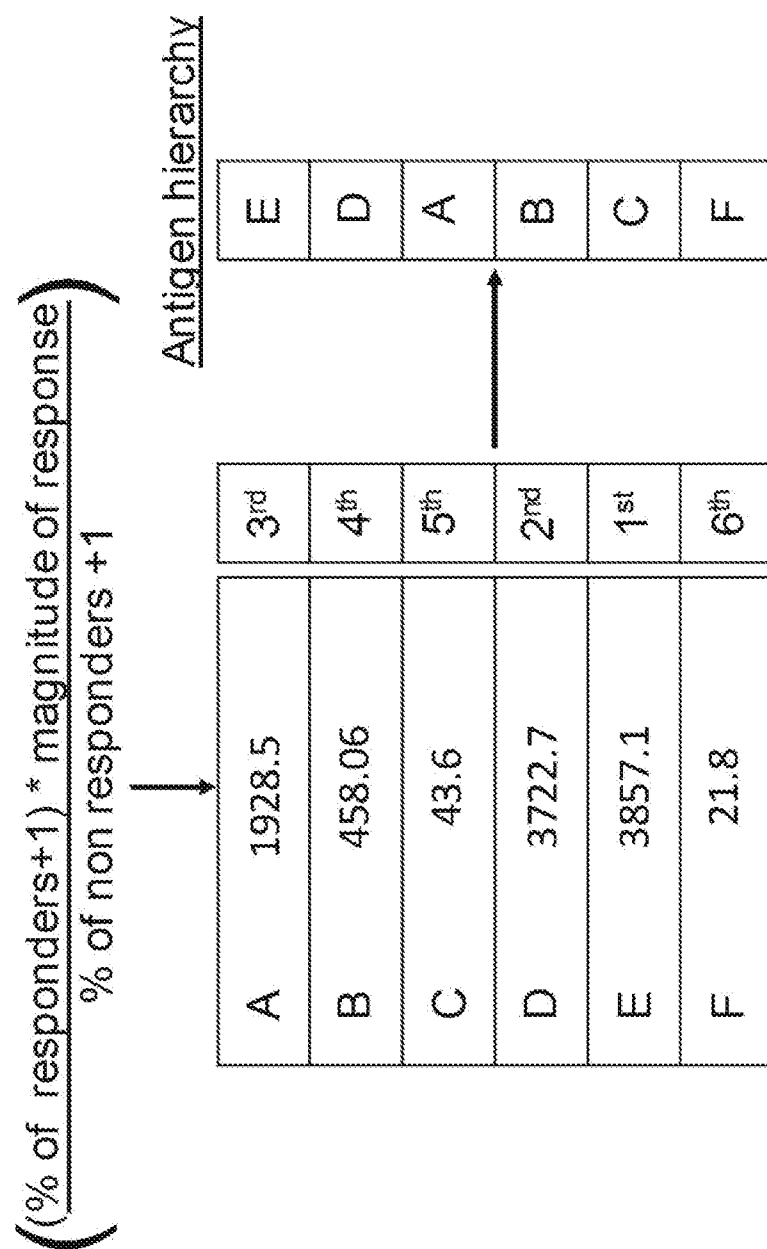


FIG. 1



25.

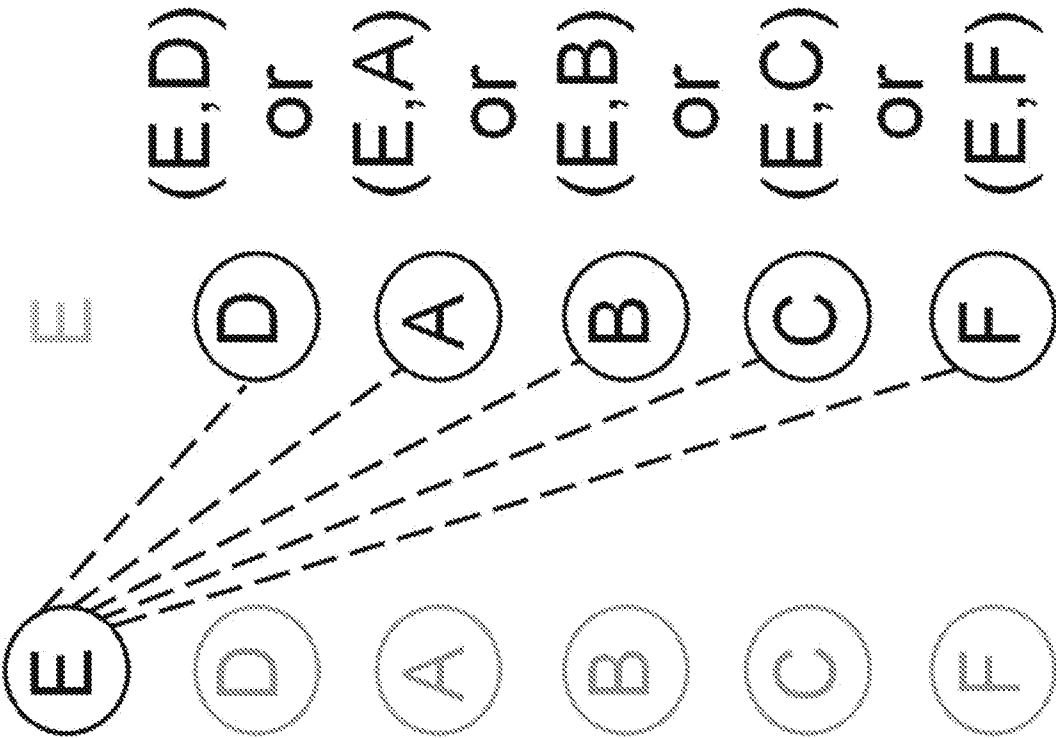


FIG. 3

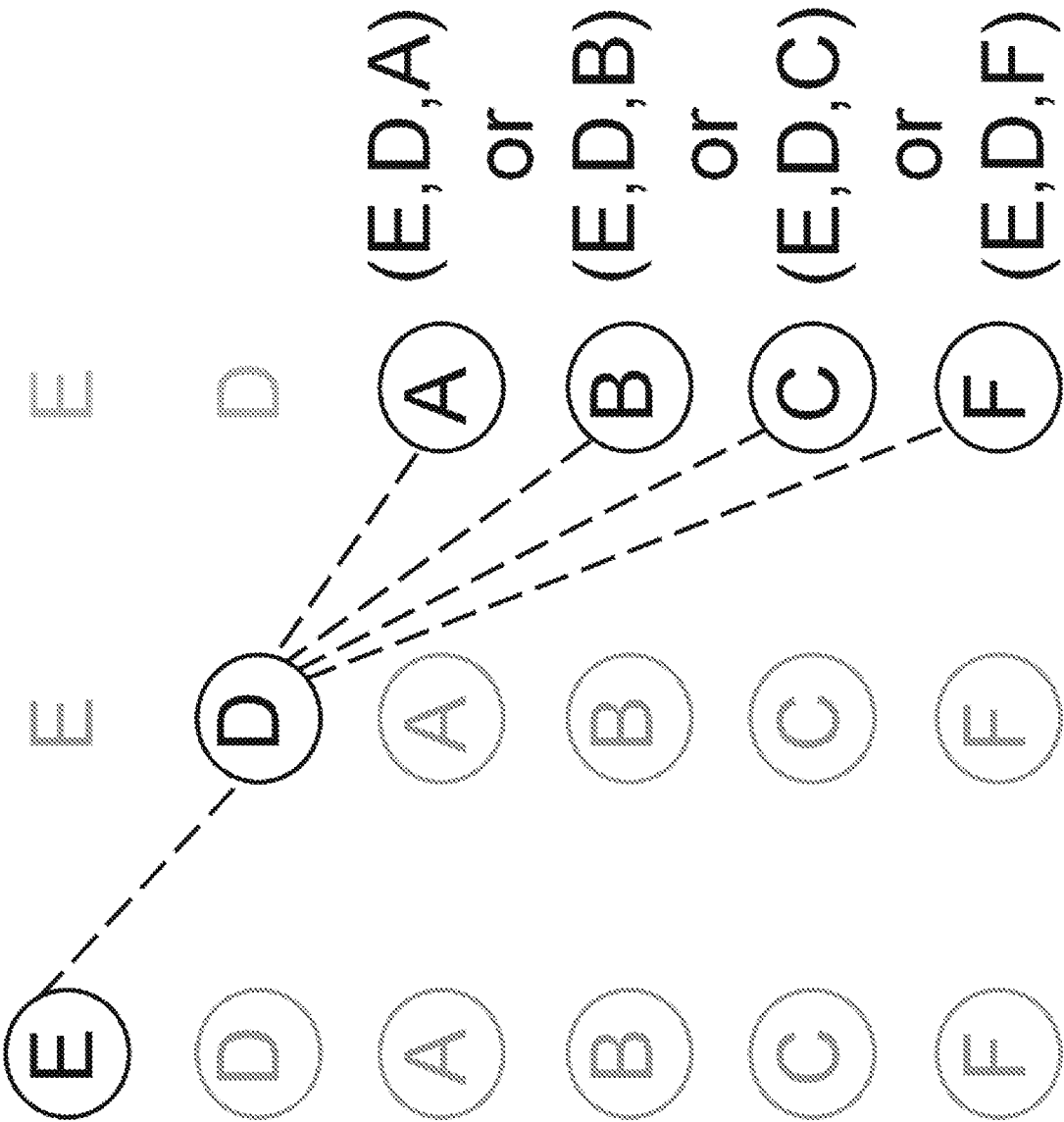


FIG. 4

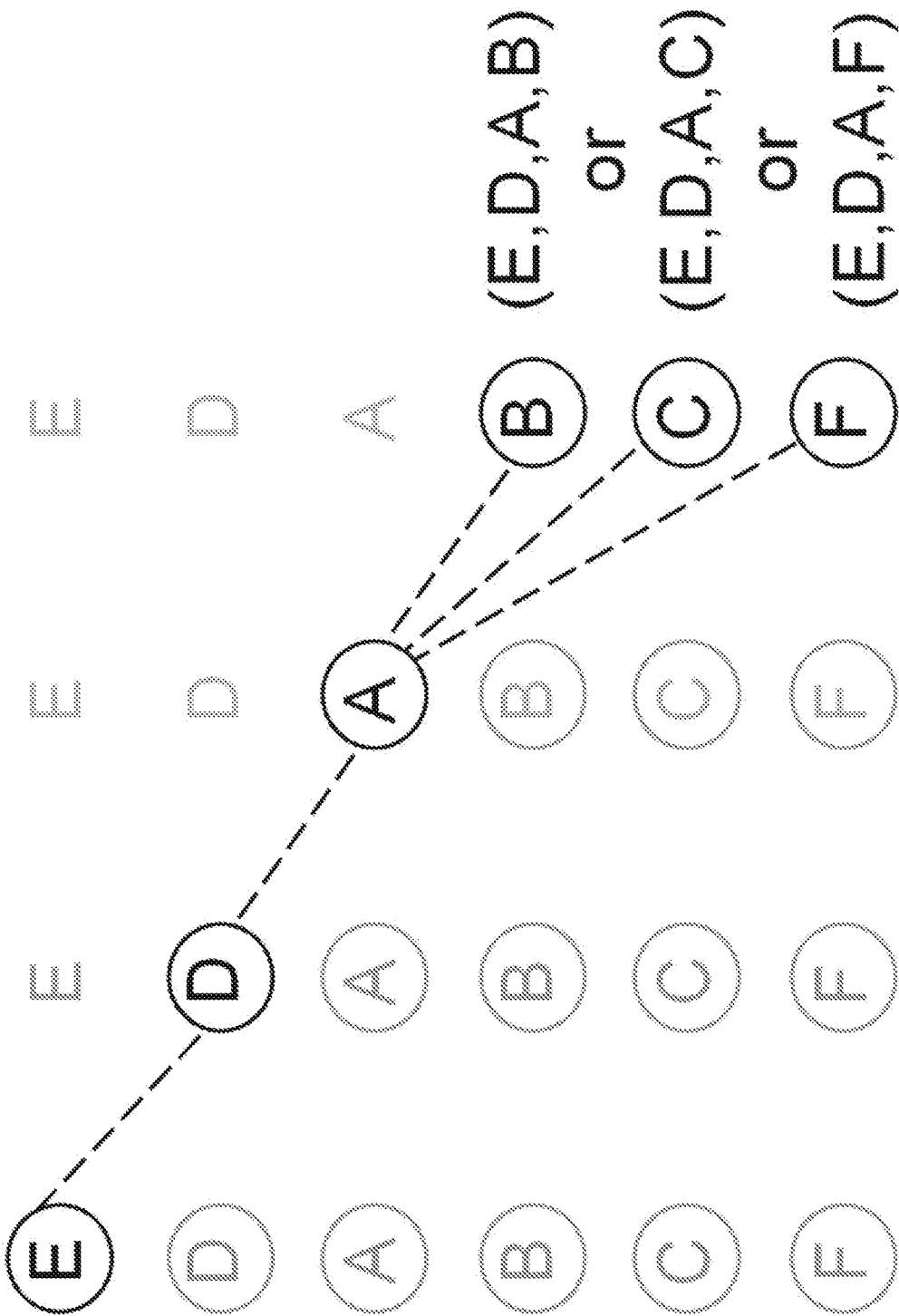


FIG. 5

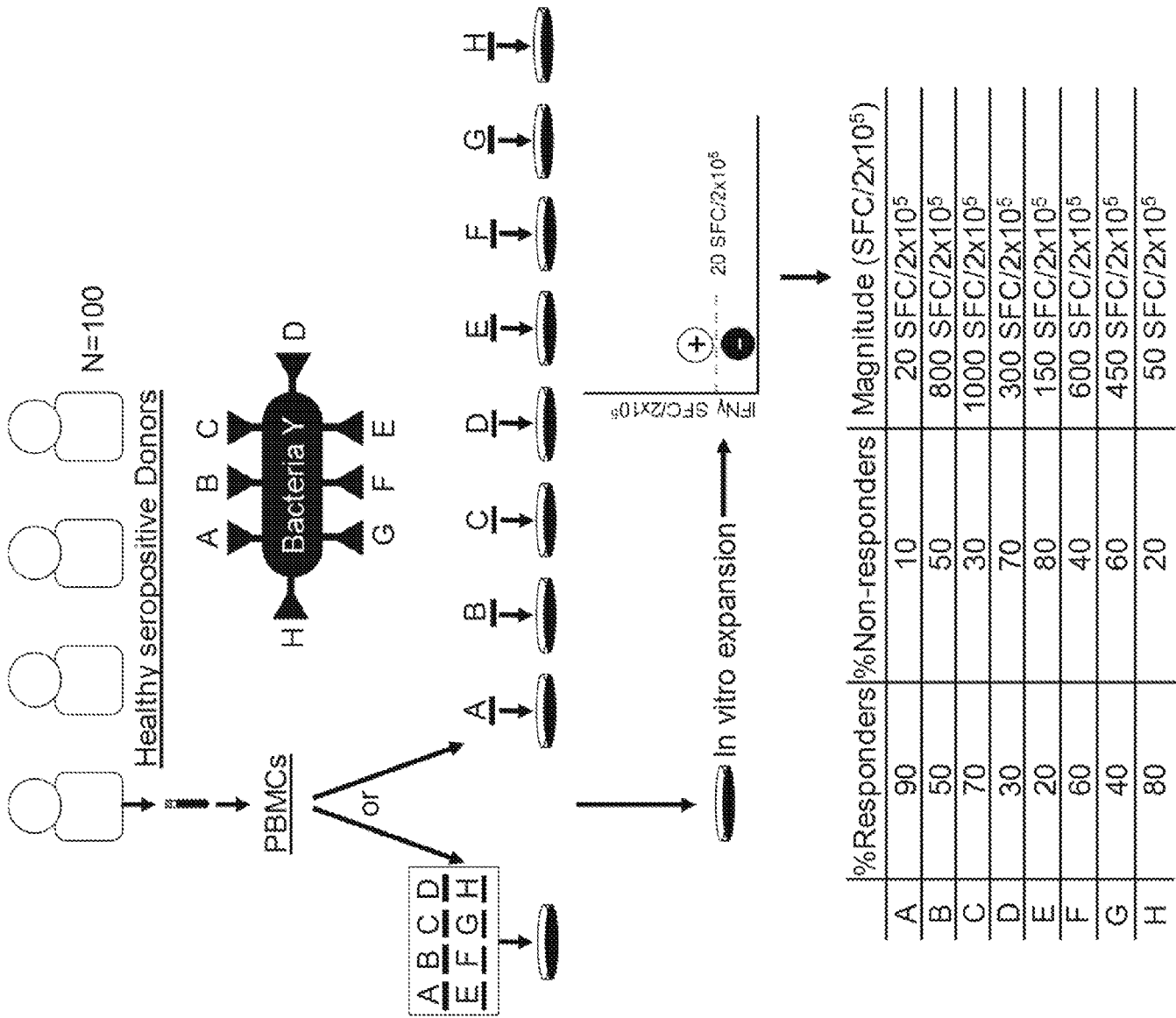


FIG. 6

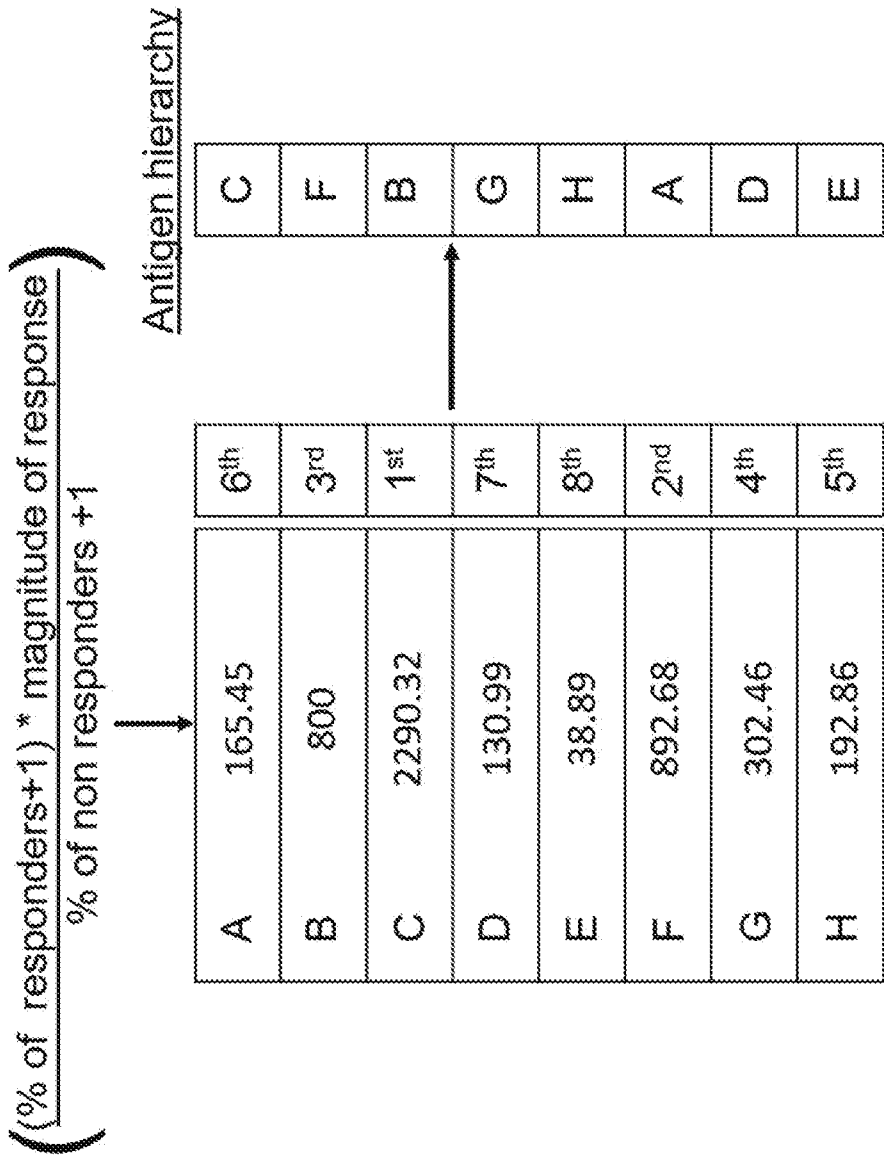


FIG. 7

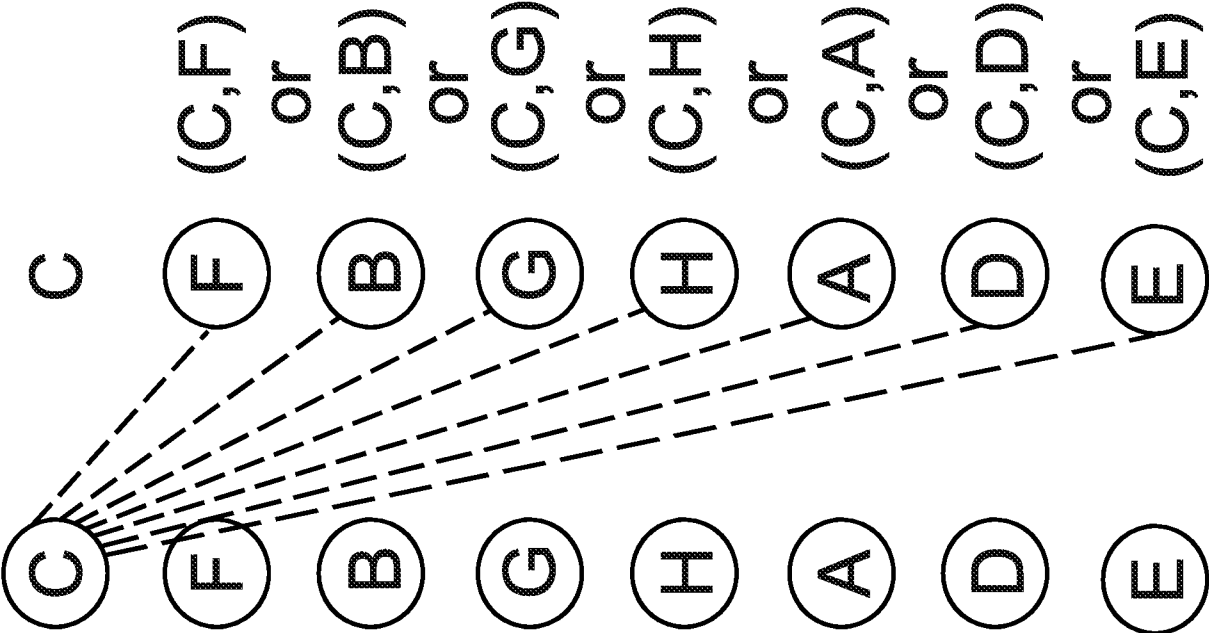


FIG. 8

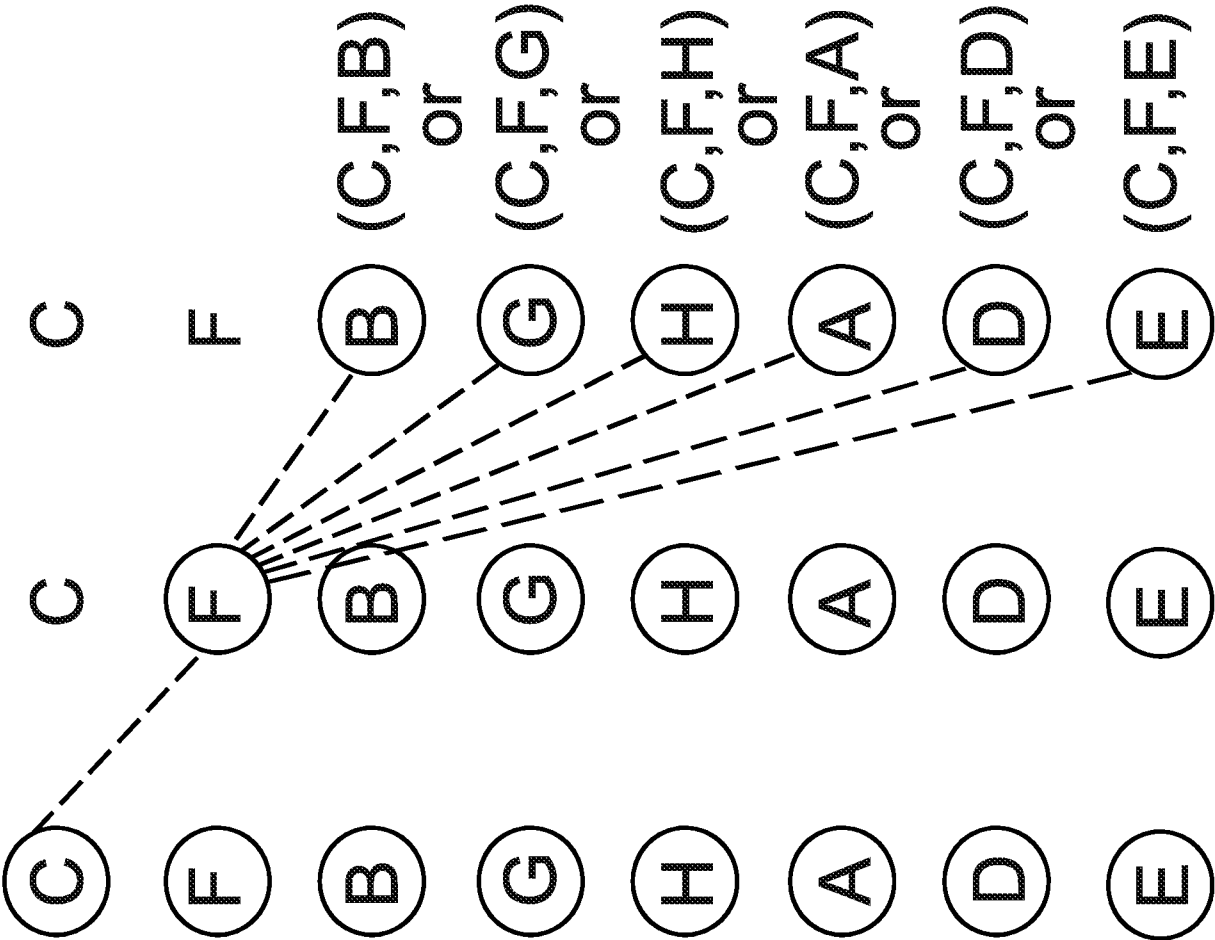


FIG. 9

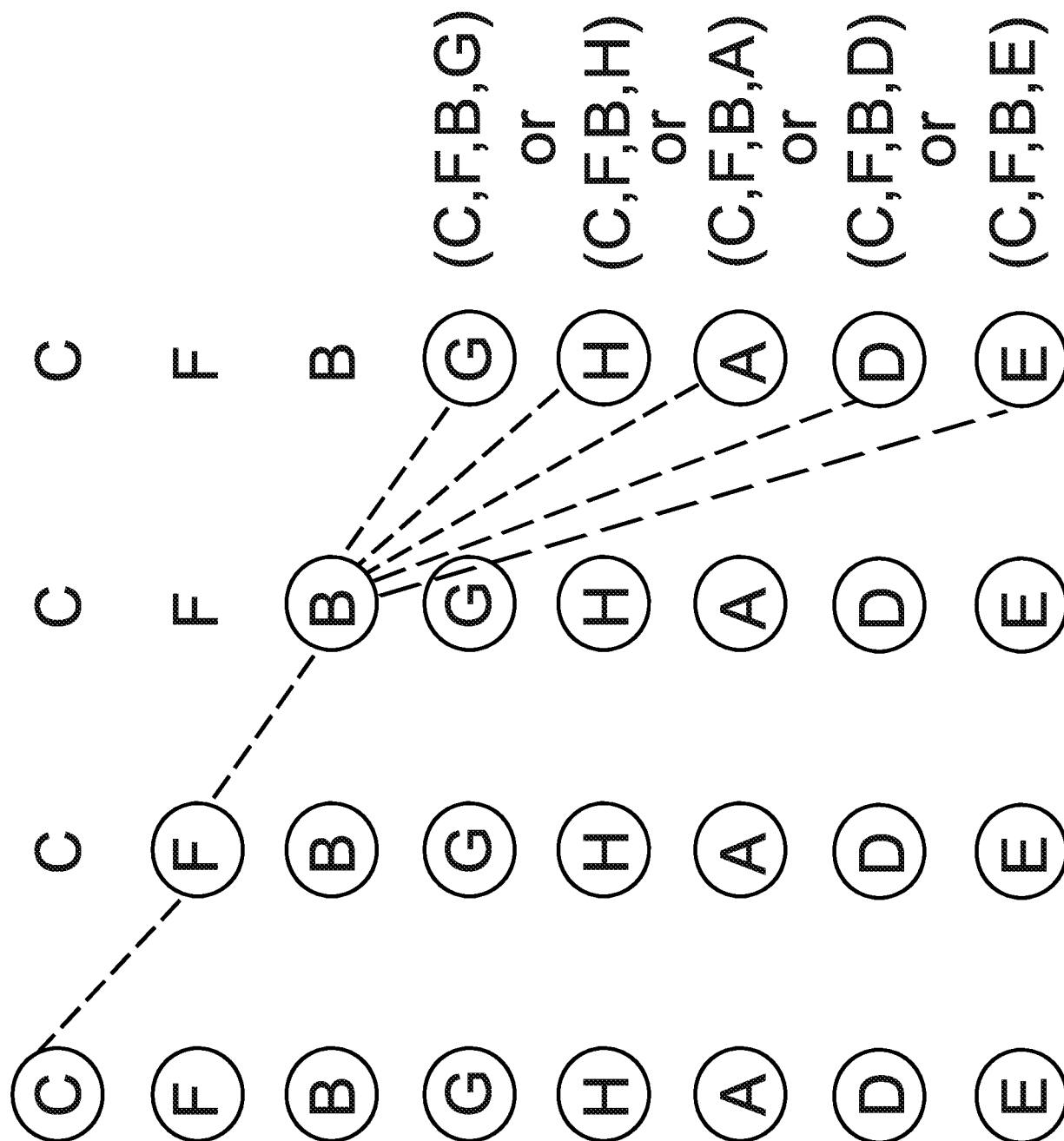


FIG. 10

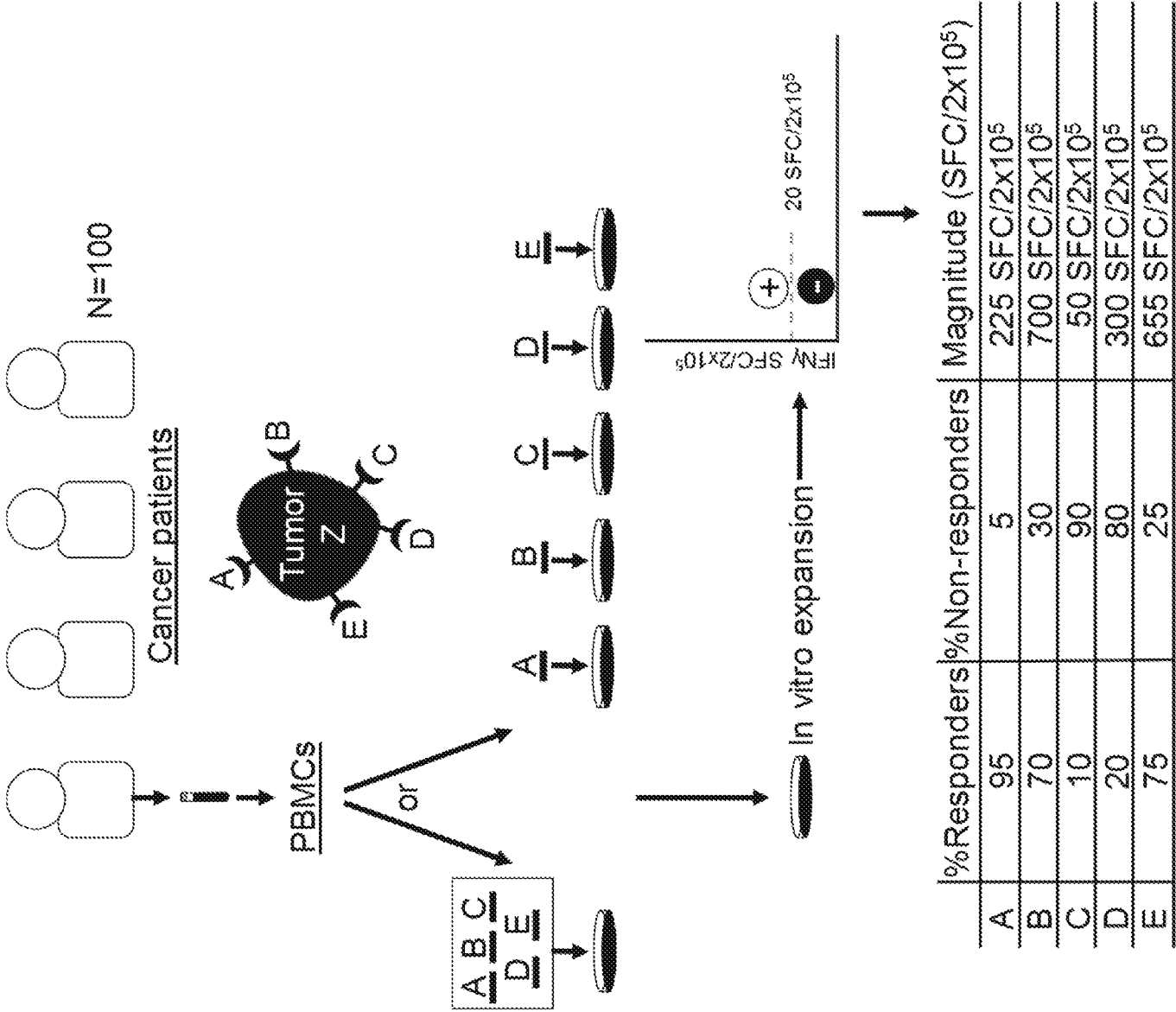


FIG. 11

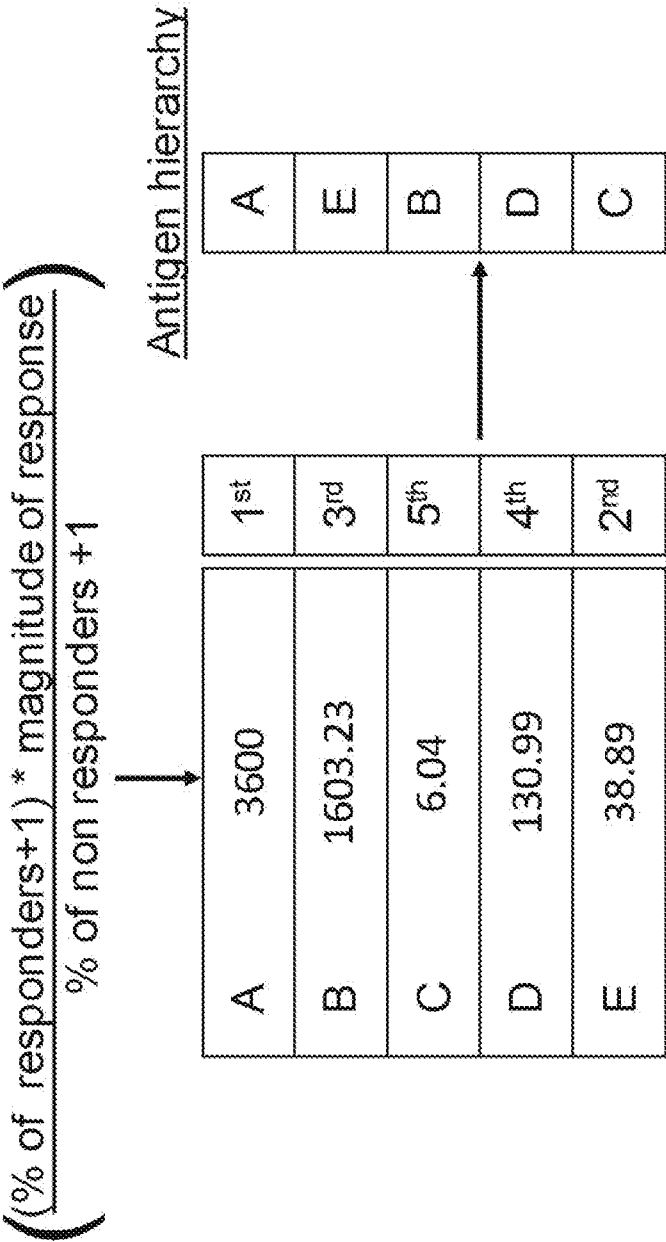


FIG. 12

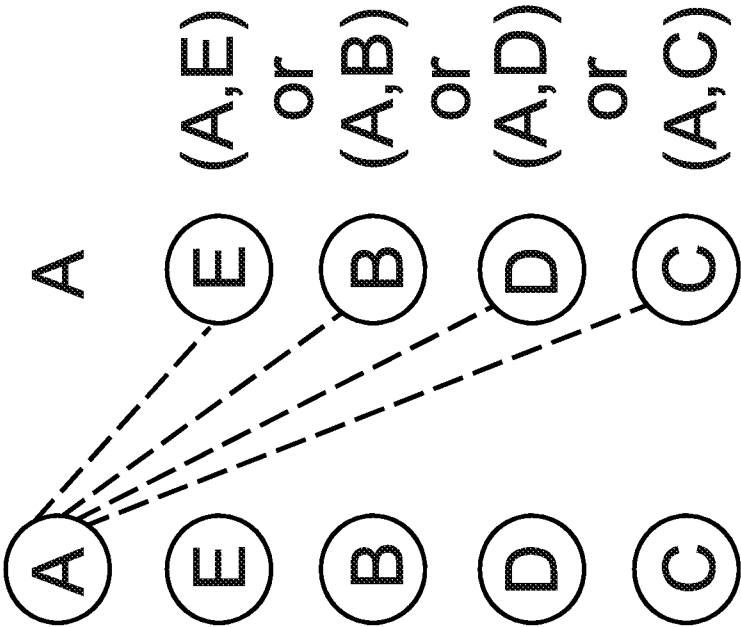


FIG. 13

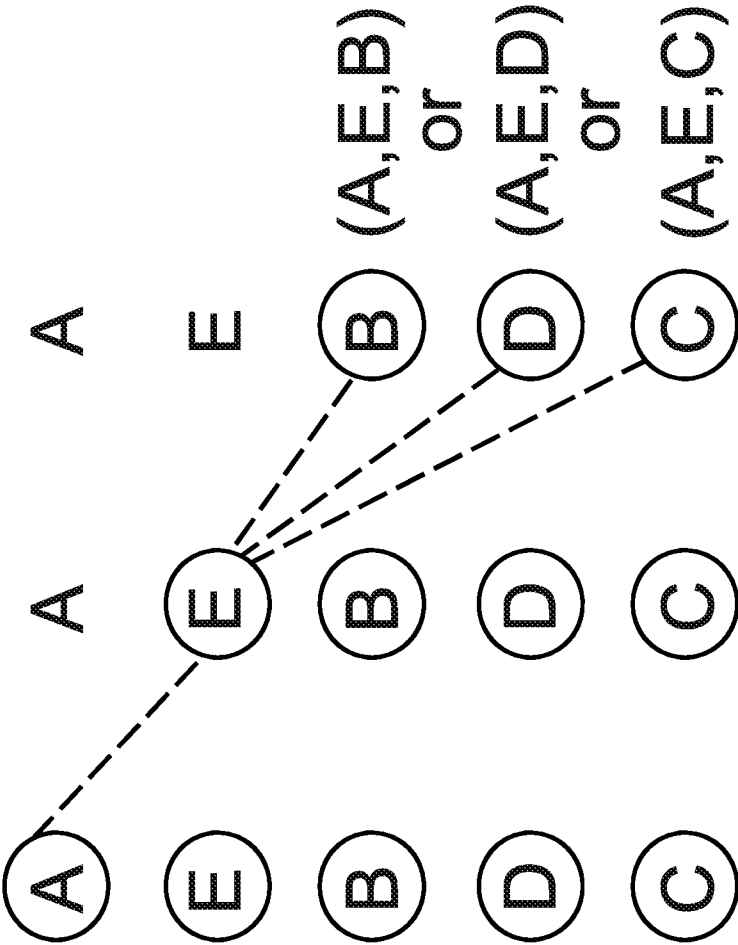


FIG. 14

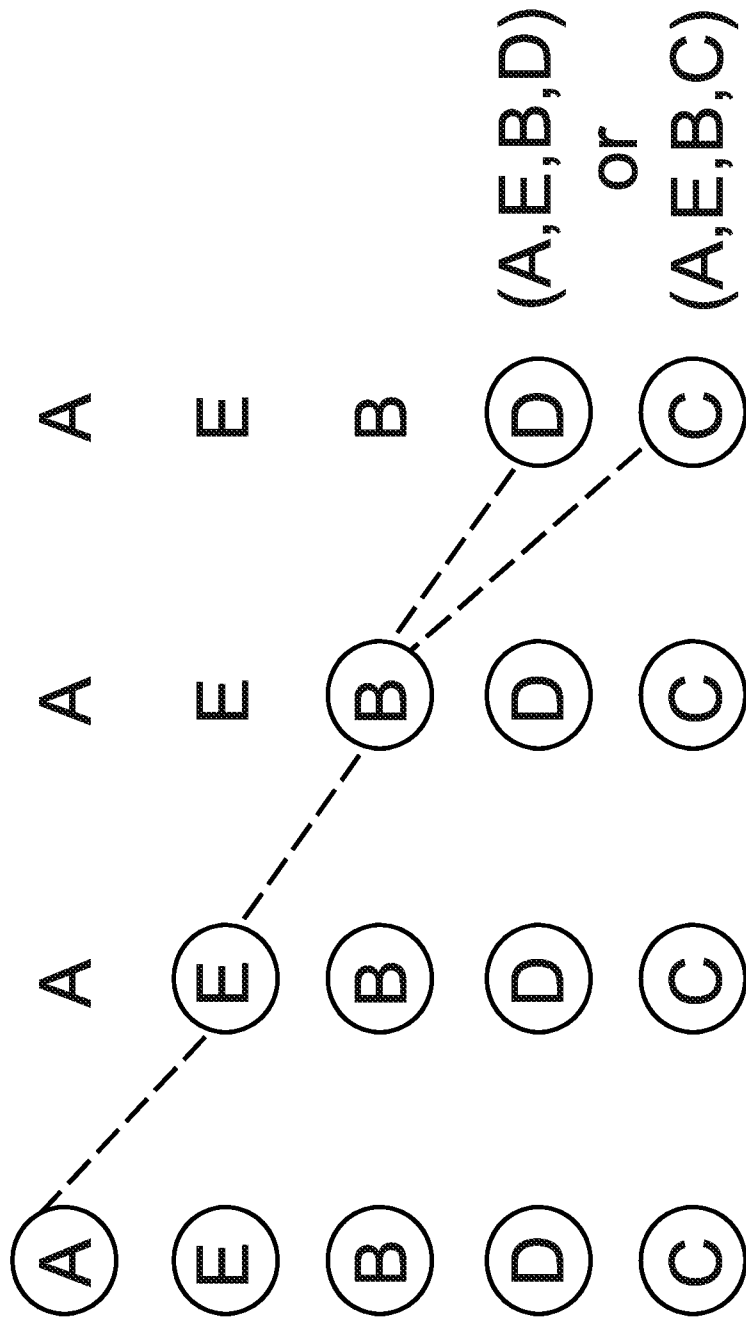


FIG. 15

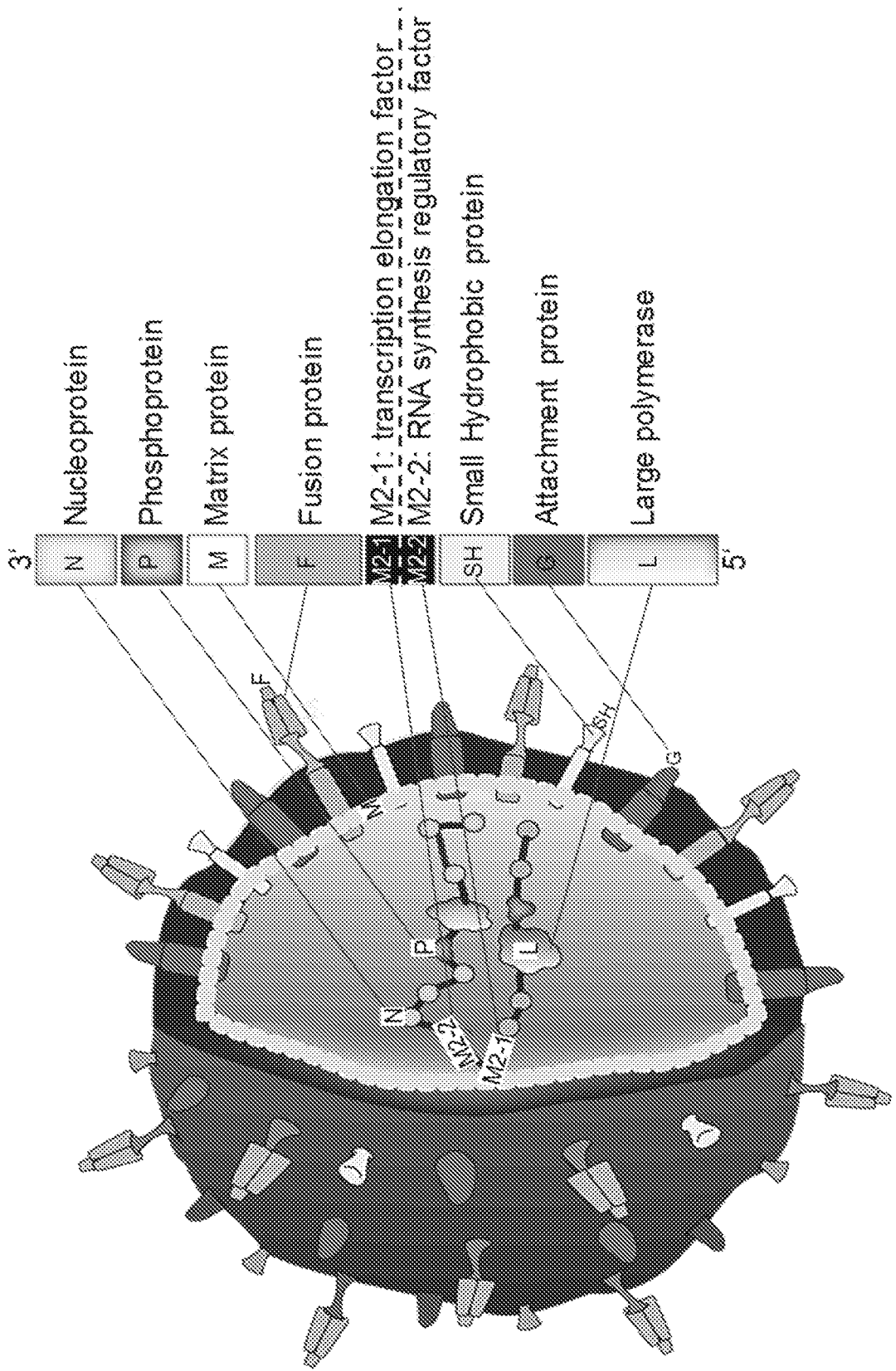


FIG. 16

T cell response to hMPV			
Antigen	(+) %	(-) %	Magnitude SFC/2x10 ⁵
SH	3.4	96.6	34
M	79.3	20.7	154±24
L	44.8	55.2	125±22
G	31.0	69.0	62±18
F	96.5	3.5	300±52
M2-2	0	0	0
P	68.9	31.1	130±24
M2-1	79.3	20.7	167±21
N	86.2	13.8	220±33

FIG. 17

T cell response to hMPV				
Antigen	(+) %	(-) %	Magnitude SFC/2x10 ⁵	TC-score rank
SH	3.4	96.6	34	1.53
M	79.3	20.7	154±24	569.87
L	44.8	55.2	125±22	101.87
G	31.0	69.0	62±18	28.34
F	96.5	3.5	300±52	6500
M2-2	0	0	0	0
P	68.9	31.1	130±24	283.08
M2-1	79.3	20.7	167±21	617.97
N	86.2	13.8	220±33	1178.38

FIG. 18

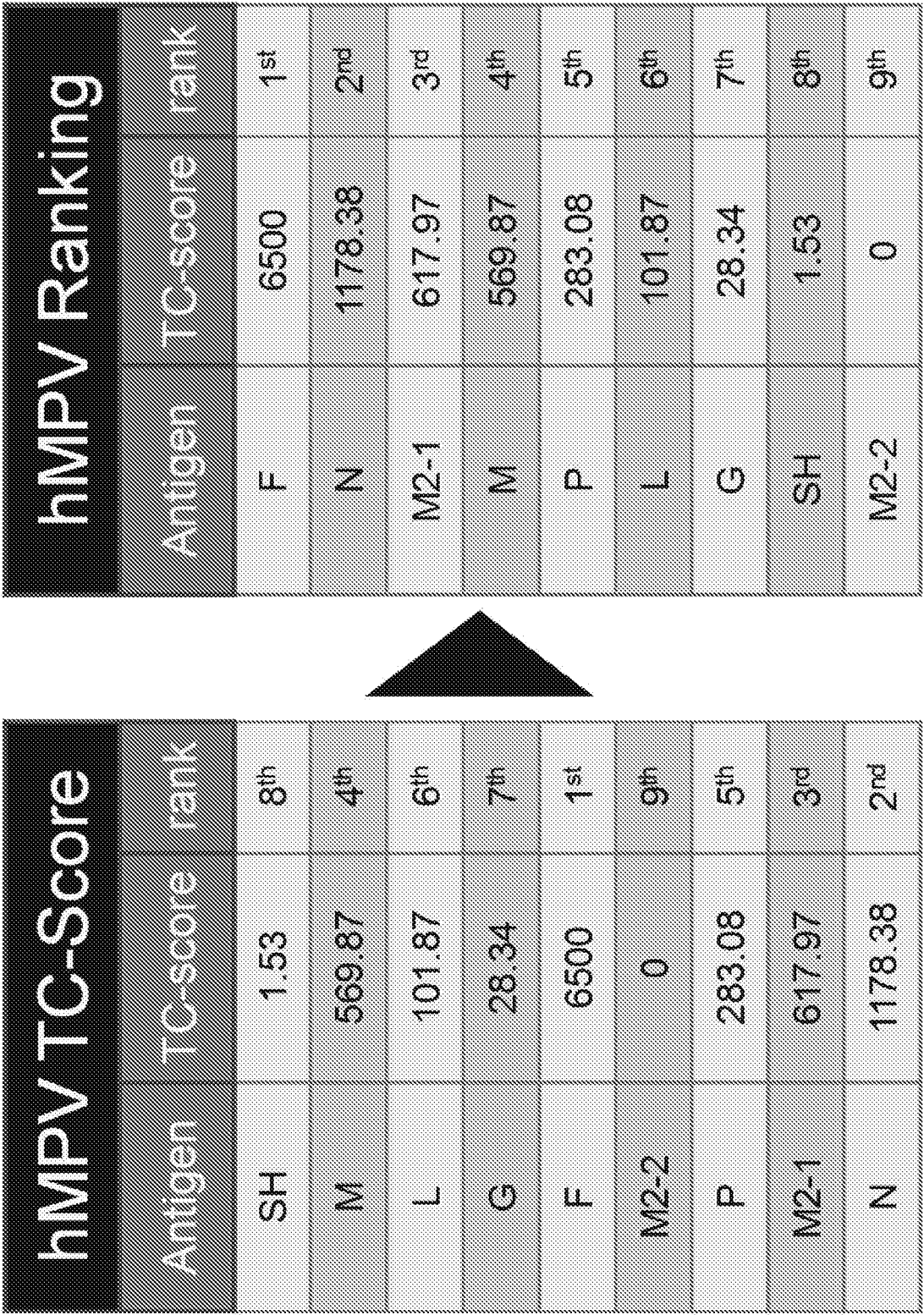


FIG. 19

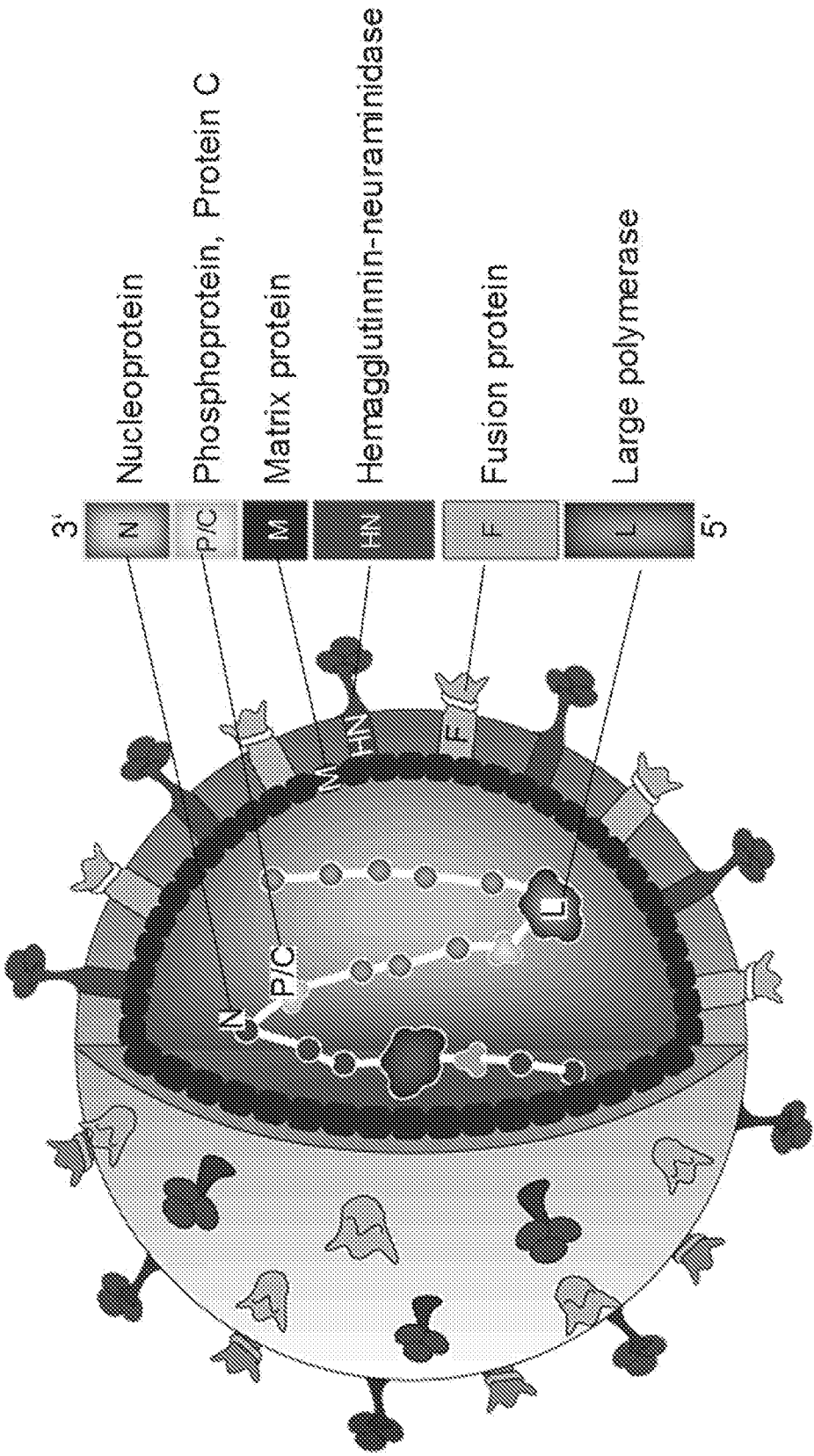


FIG. 20

T cell response to PIV-3			
Antigen	(+) %	(-) %	Magnitude SFC/2x10 ⁵
HN	88.2	11.8	131 ± 18
Protein C	47	53	214.6 ± 31
PP	47	53	203.7 ± 25
Large	47	53	115.8 ± 16
M	94.1	5.9	261.2 ± 28
N	64.7	35.3	160 ± 19
Fusion	47	53	175.7 ± 26

FIG. 21

T cell response to PIV-3					
Antigen	(+) %	(-) %	Magnitude SFC/2x10 ⁵	TC-score	rank
HN	88.2	11.8	131 ± 18	912.91	2 nd
Protein C	47	53	214.6 ± 31	190.76	4 th
PP	47	53	203.7 ± 25	181.07	5 th
Large	47	53	115.8 ± 16	102.93	7 th
M	94.1	5.9	261.2 ± 28	3600.02	1 st
N	64.7	35.3	160 ± 19	289.59	3 rd
Fusion	47	53	175.7 ± 26	156.18	6 th

FIG. 22

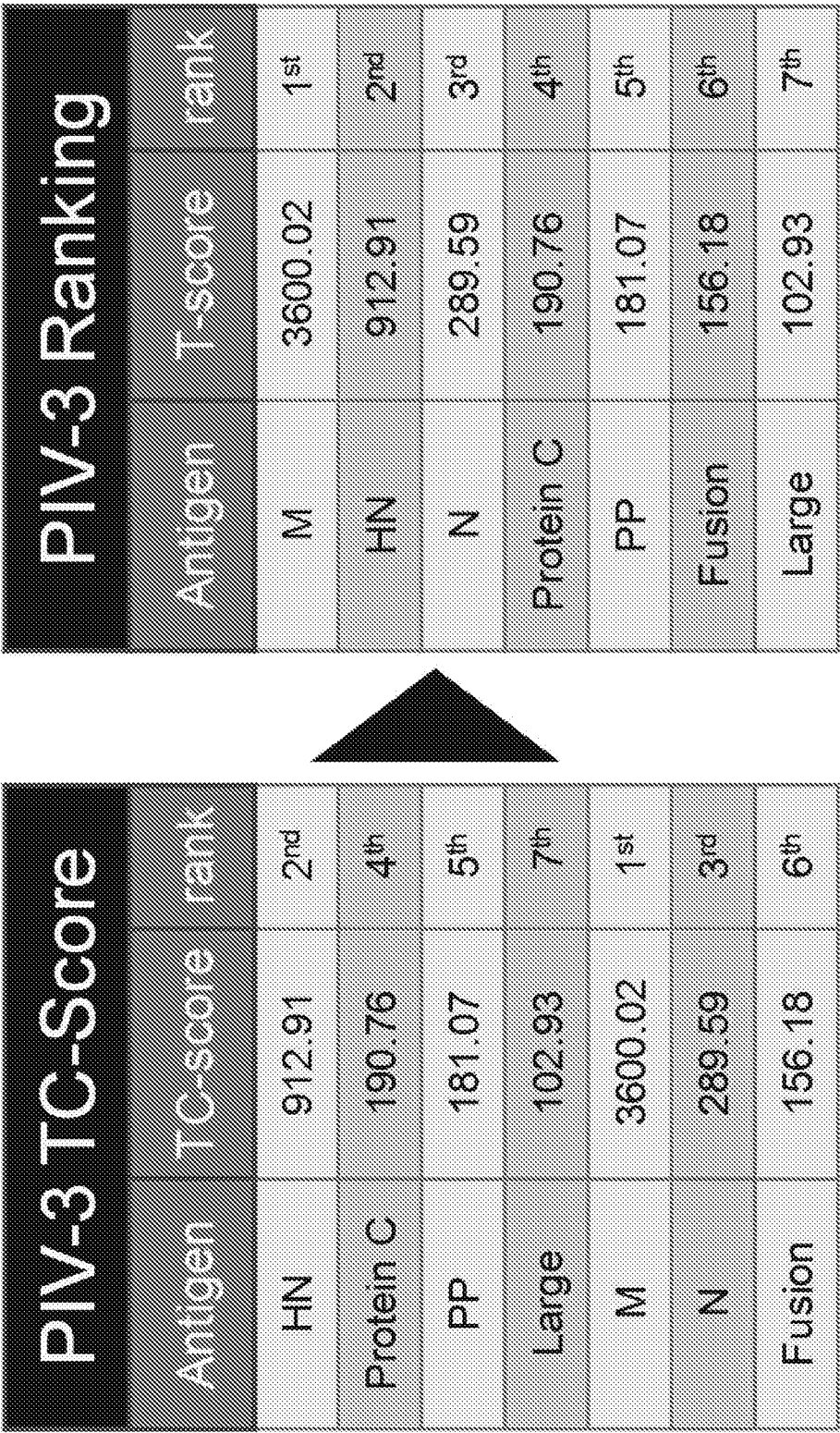


FIG. 23

Granzyme B					n=13
Antigen	(+) %	(-) %	Magnitude SFC/2x10 ⁵	TC-score	
F	12	88	103±27	1113	
M	12	88	42±8	454	
M2-1	10	90	92±18	299	
P	8	92	44±15	70	

FIG. 24

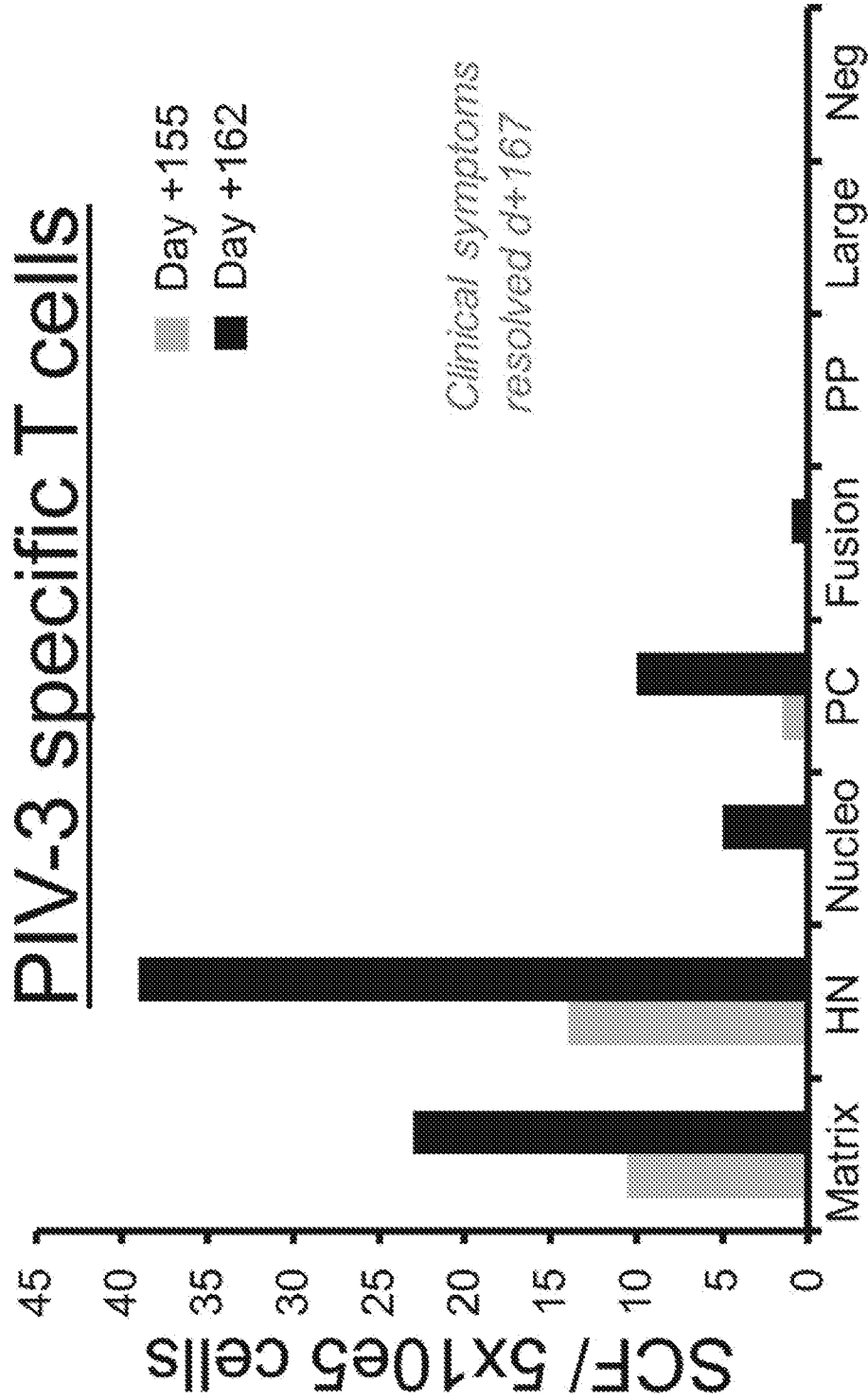


FIG. 25

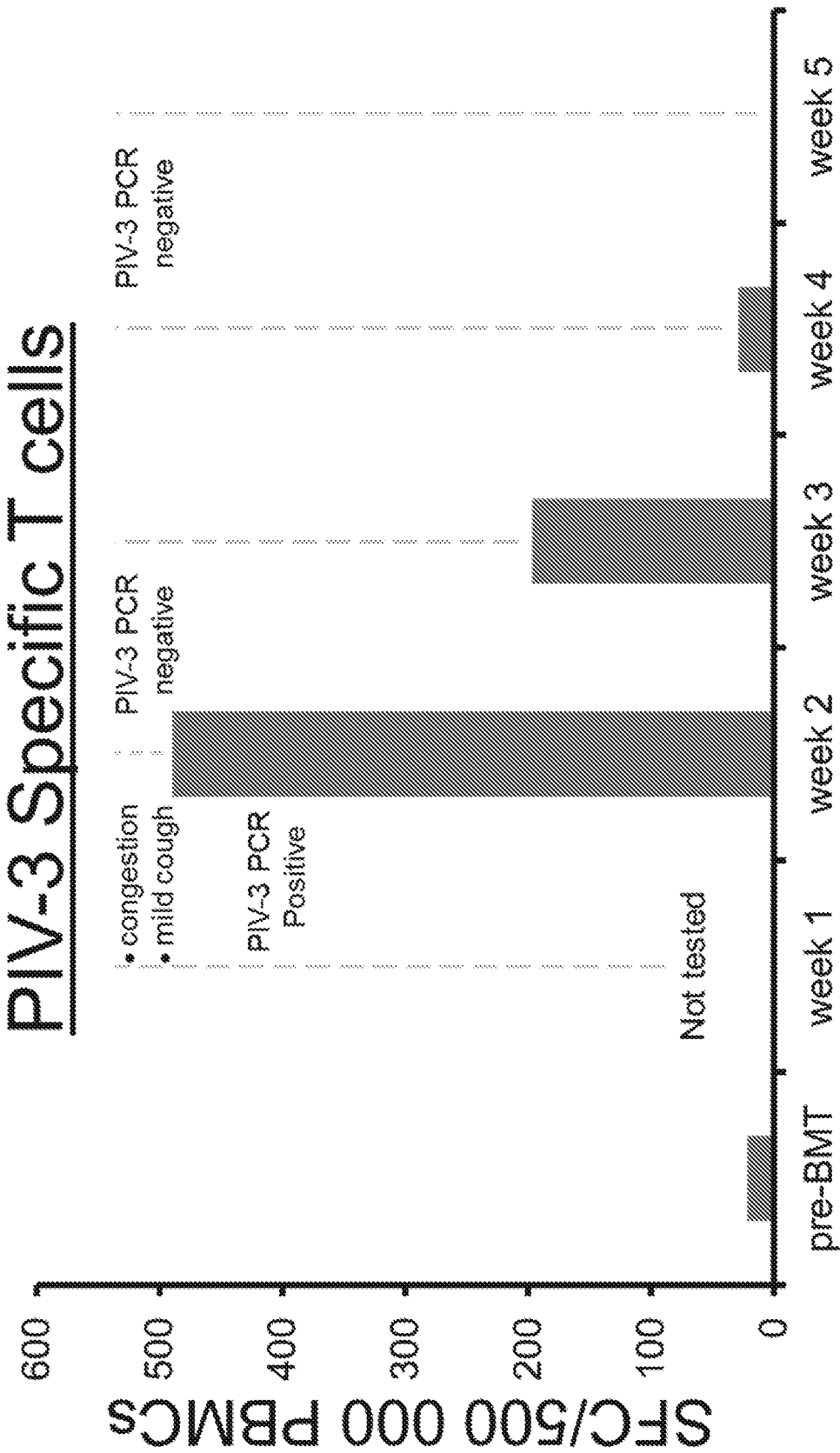


FIG. 26

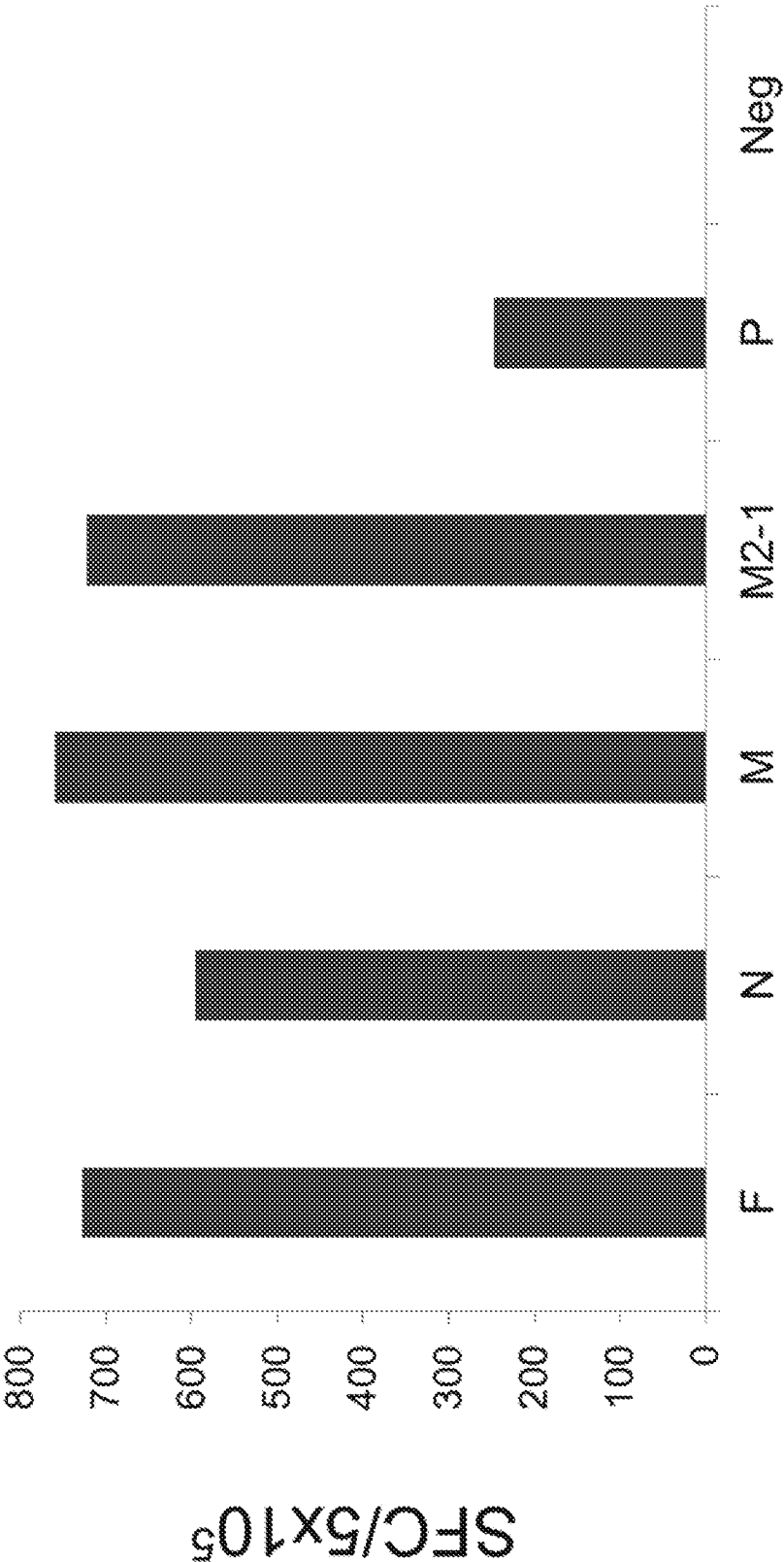


FIG. 27

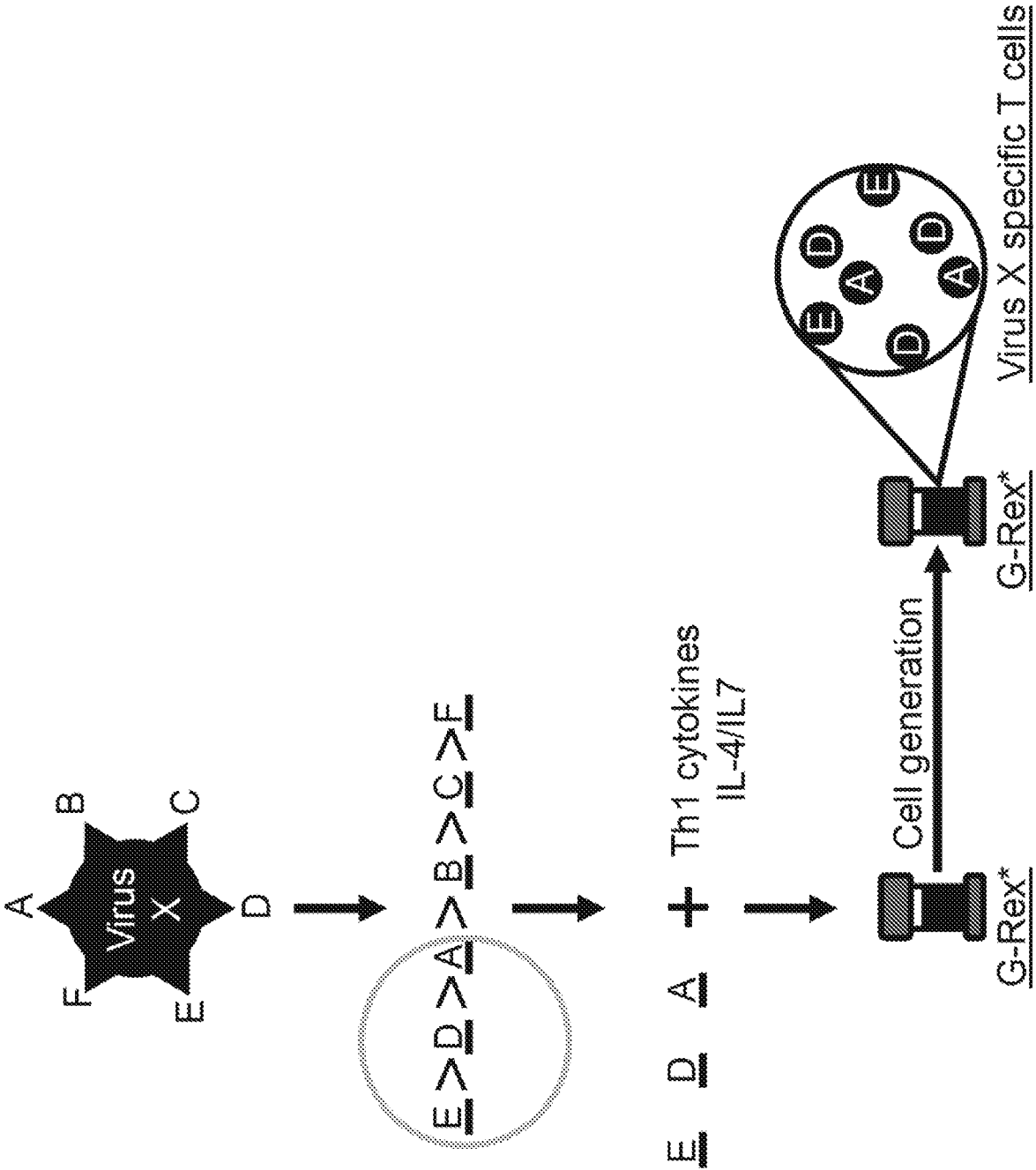


FIG. 28

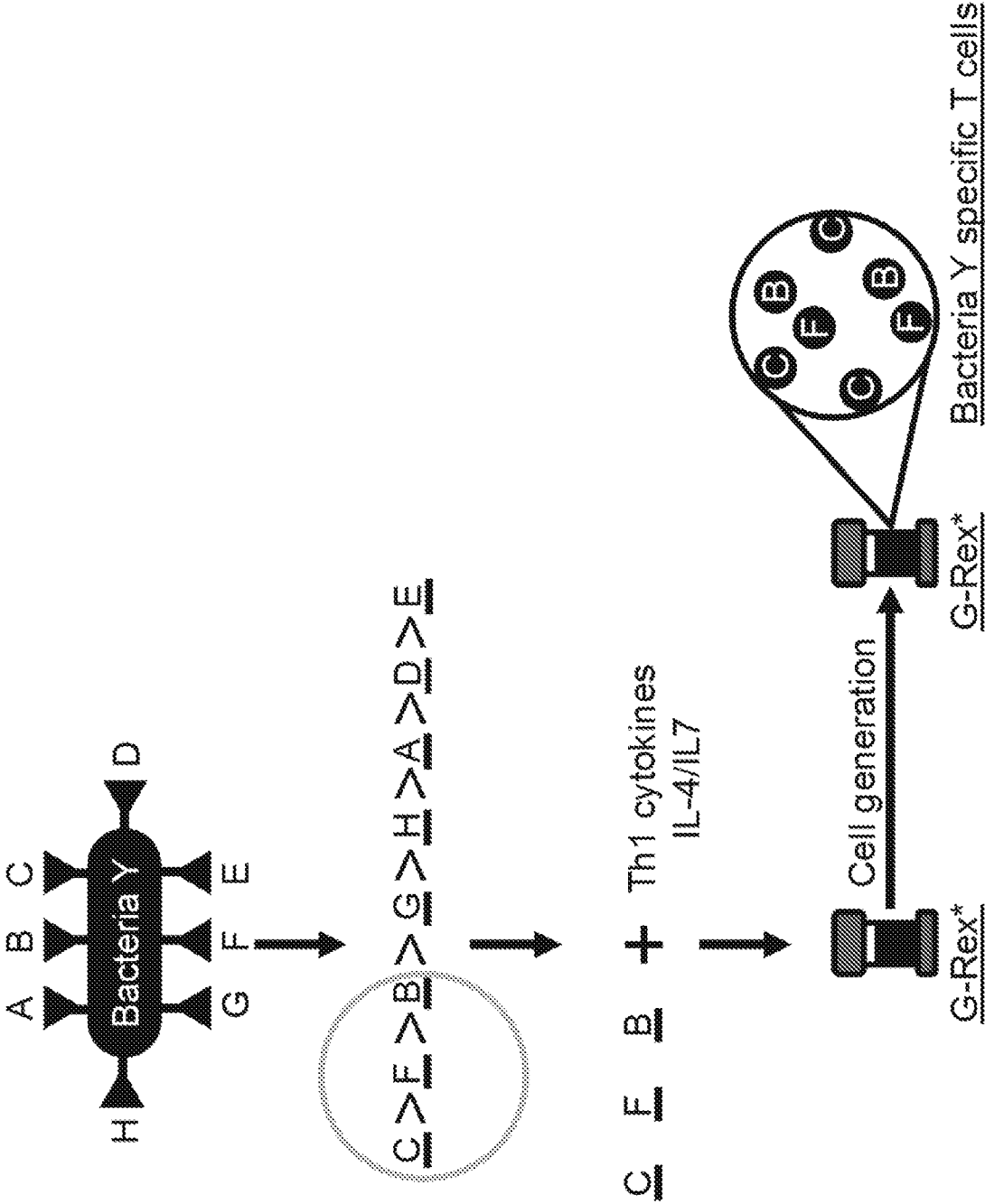


FIG. 29

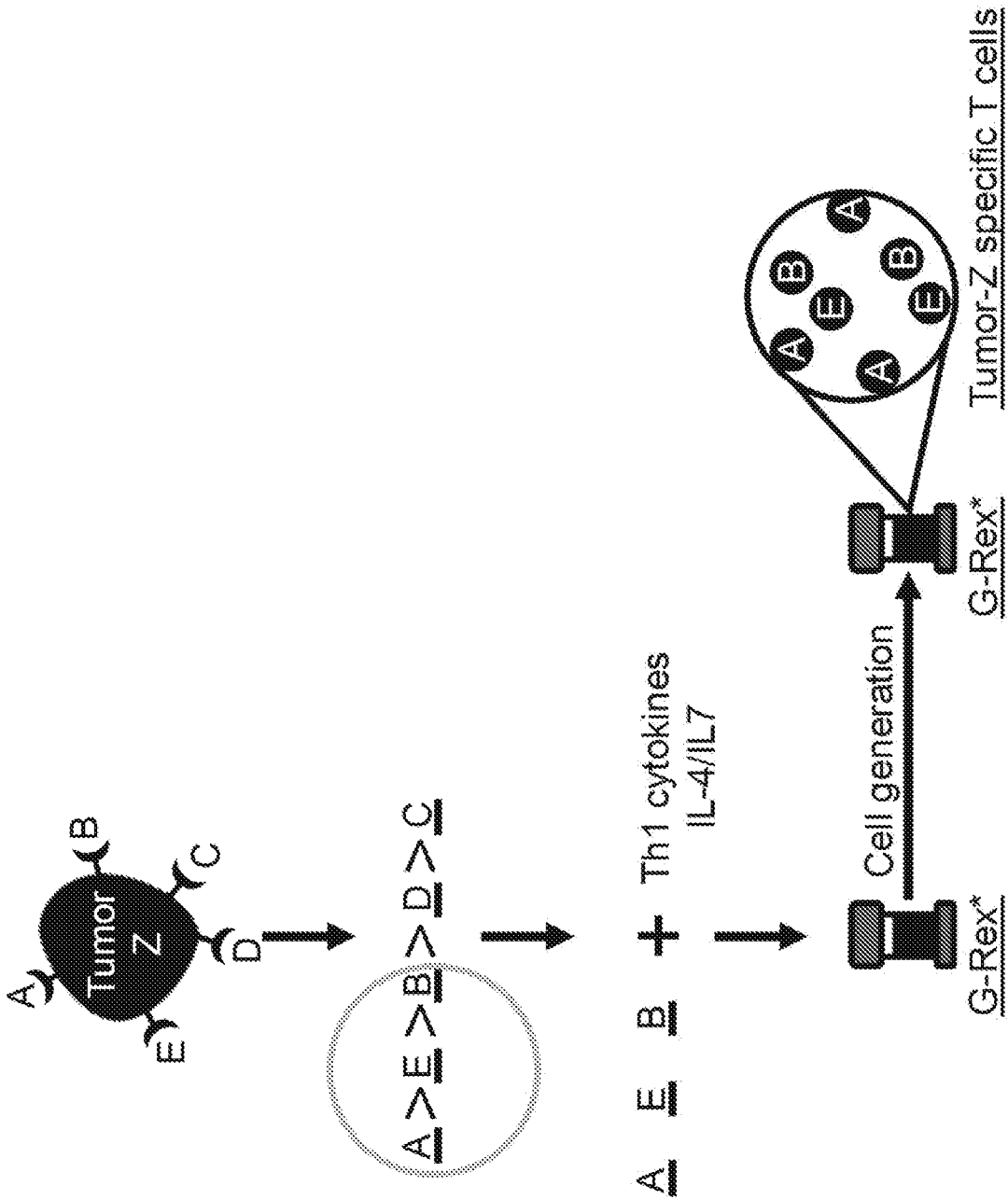


FIG. 30

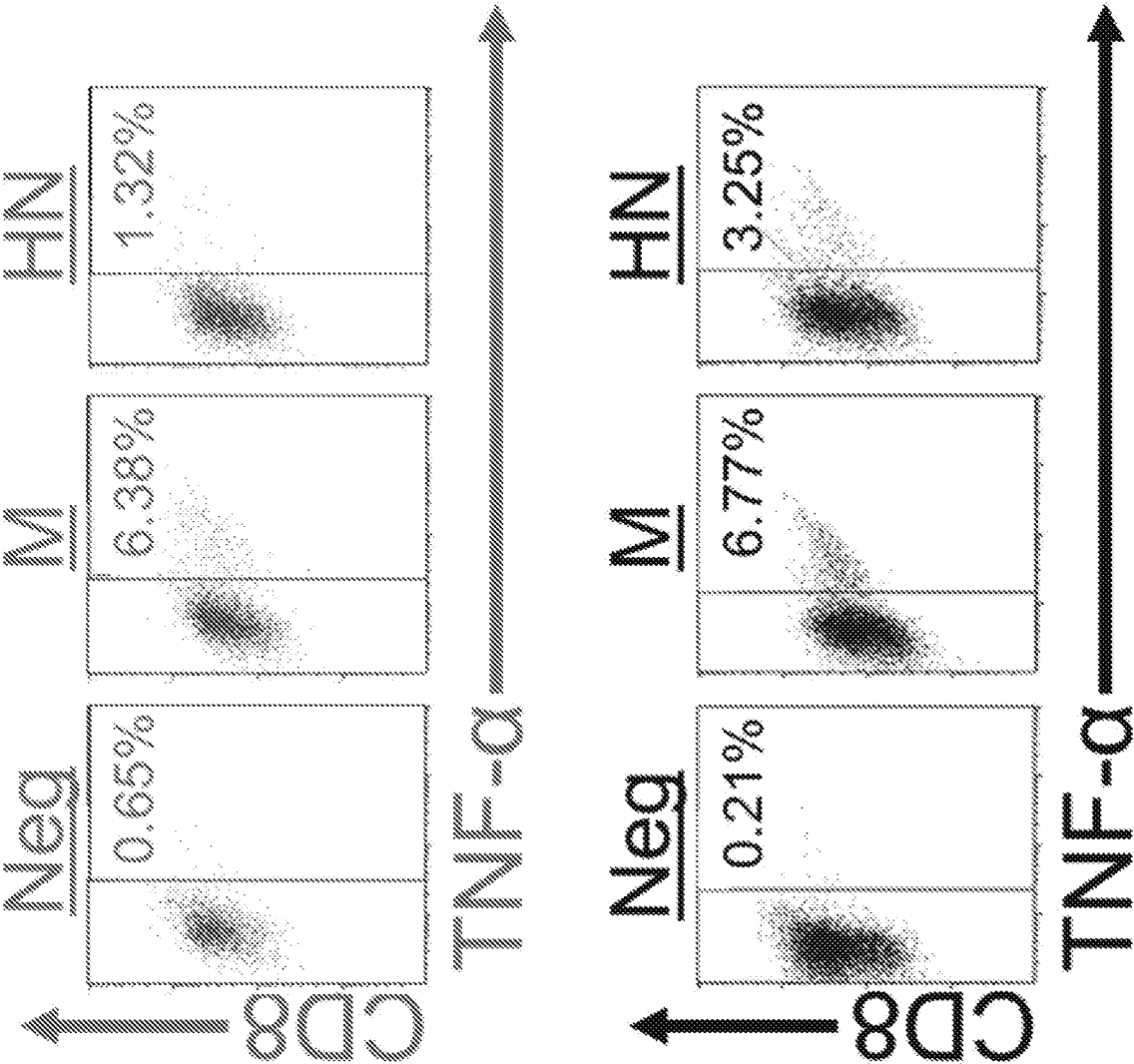


FIG. 31

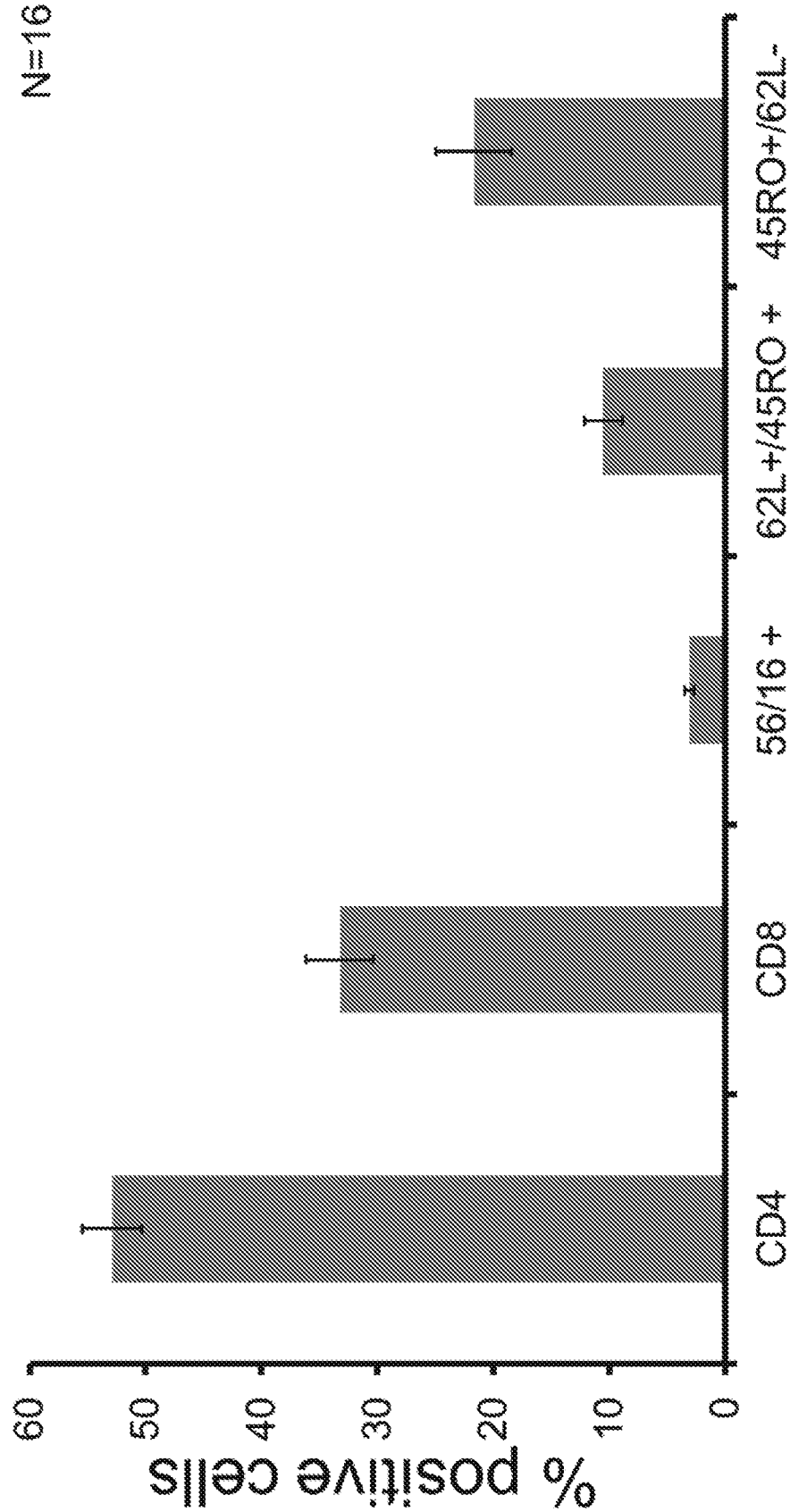


FIG. 32

hMPV-T cell manufacture

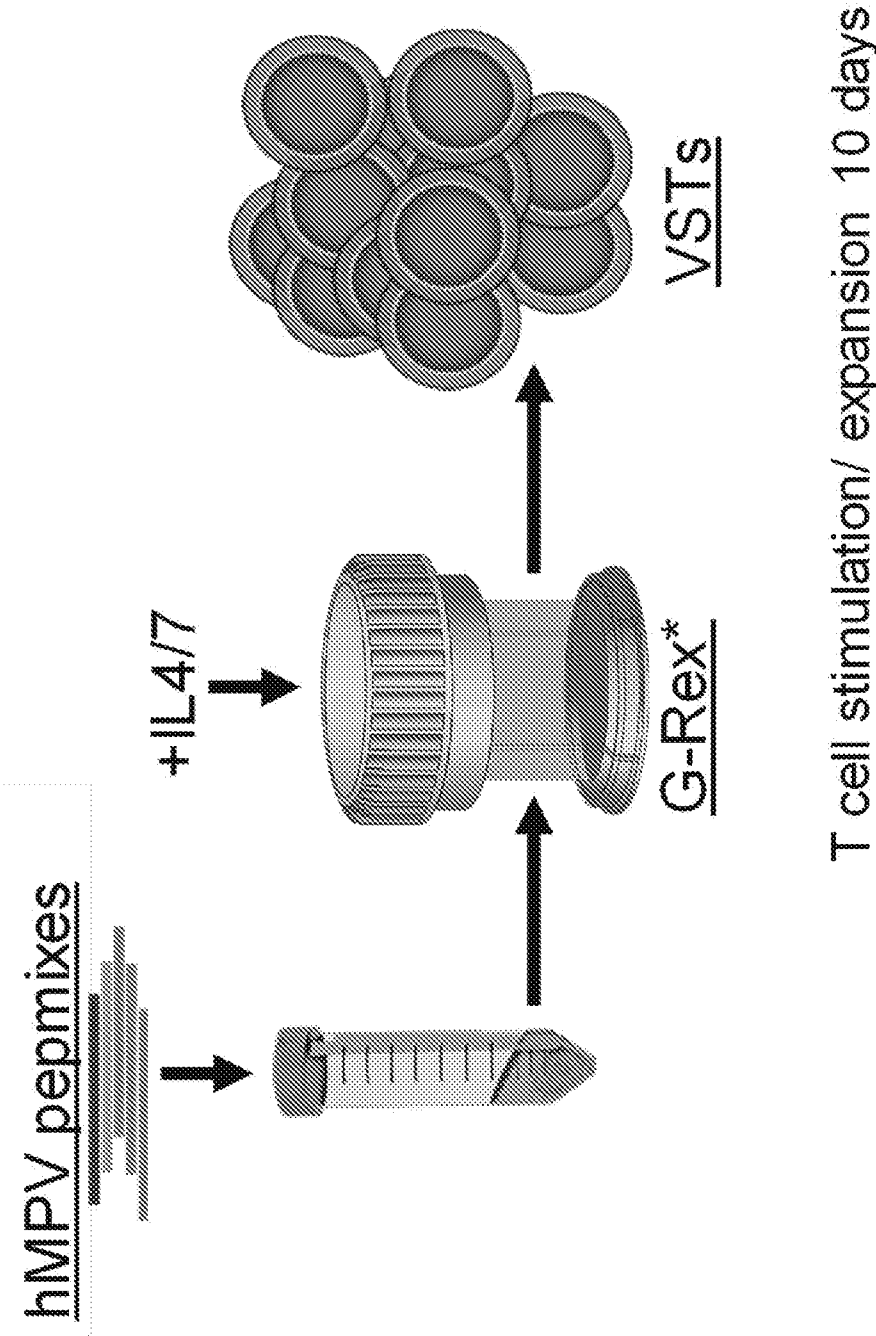


FIG. 33

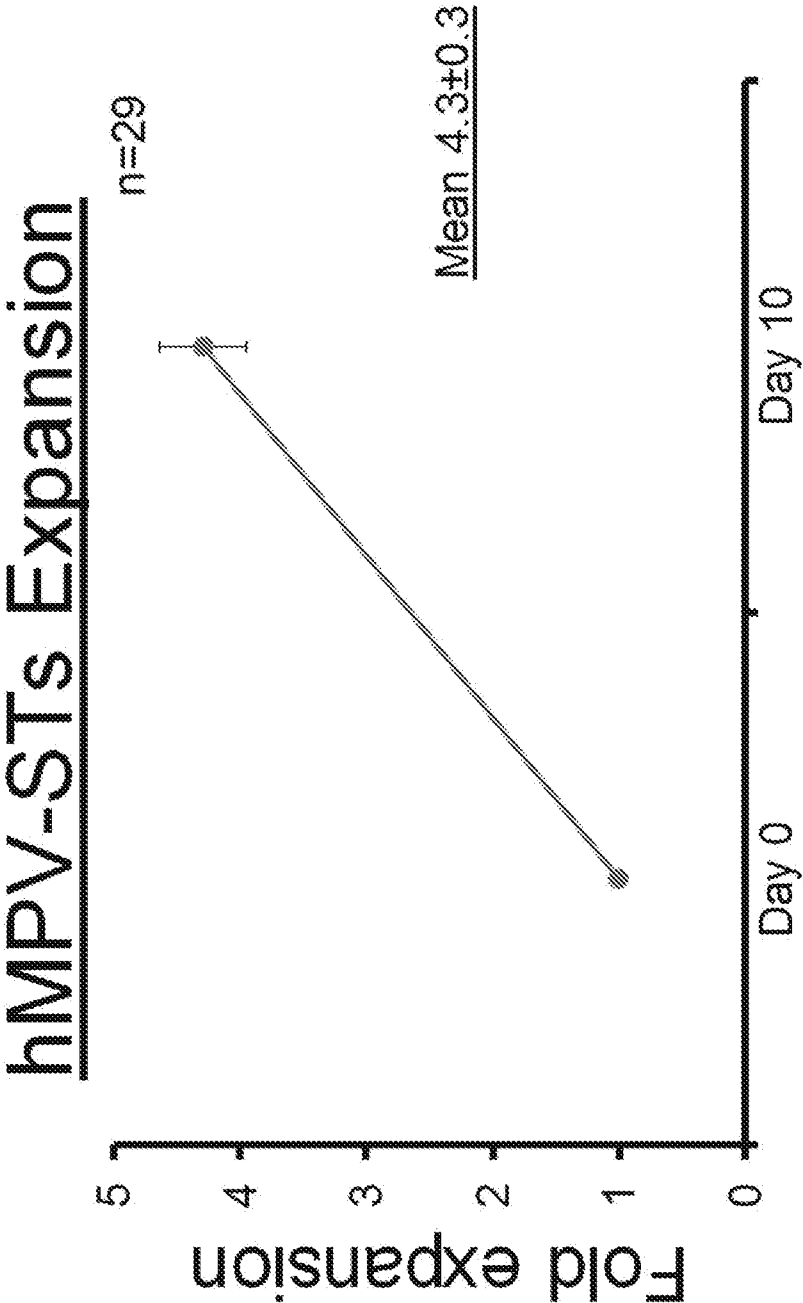


FIG. 34

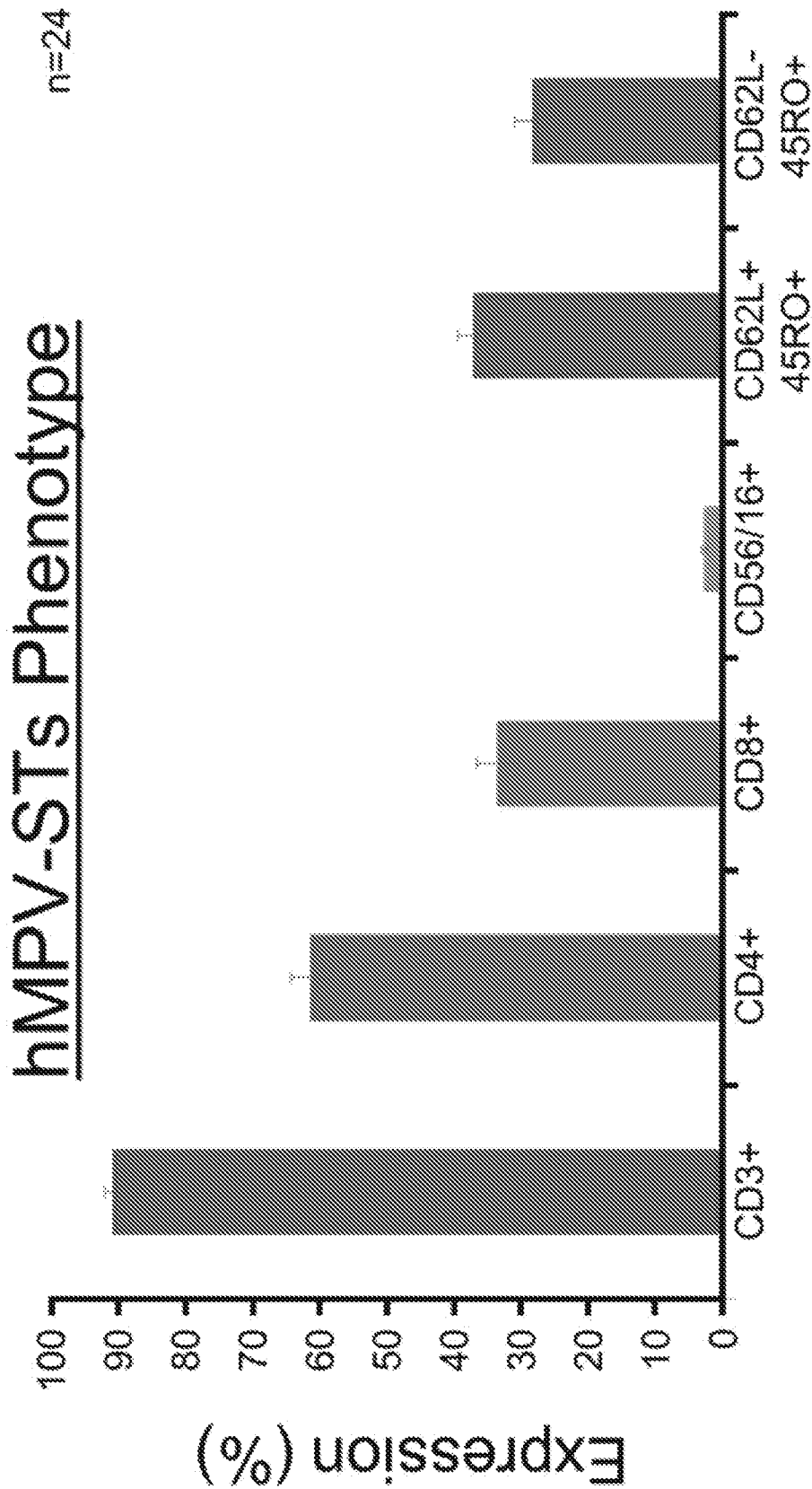


FIG. 35

Co-culture experiment

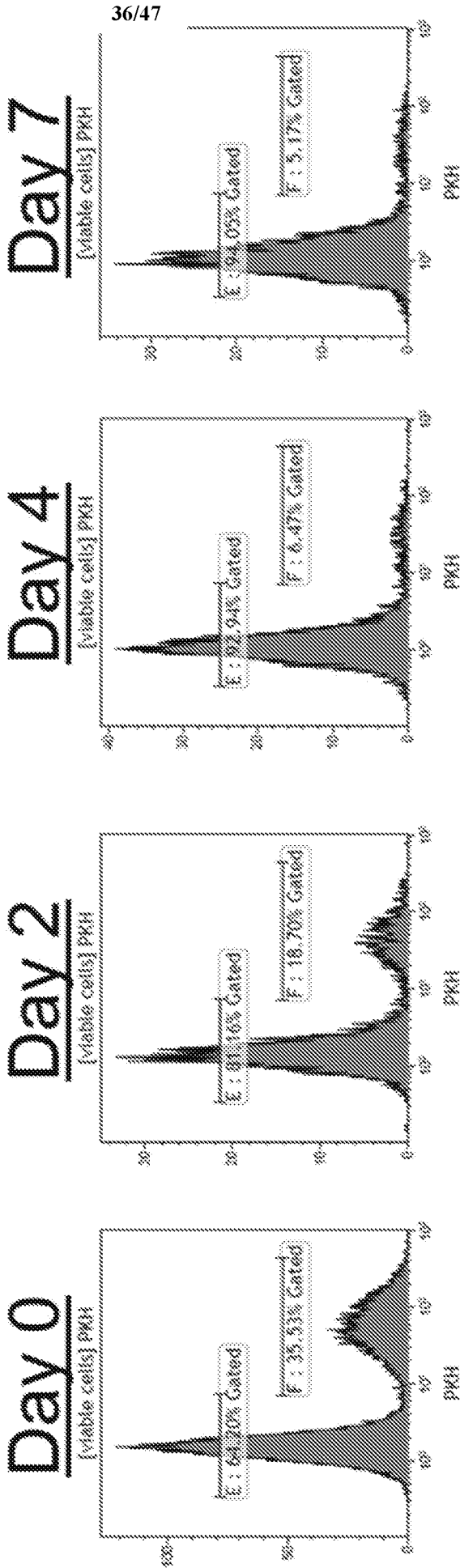


FIG. 36

Function: Cytokine production CD4/8

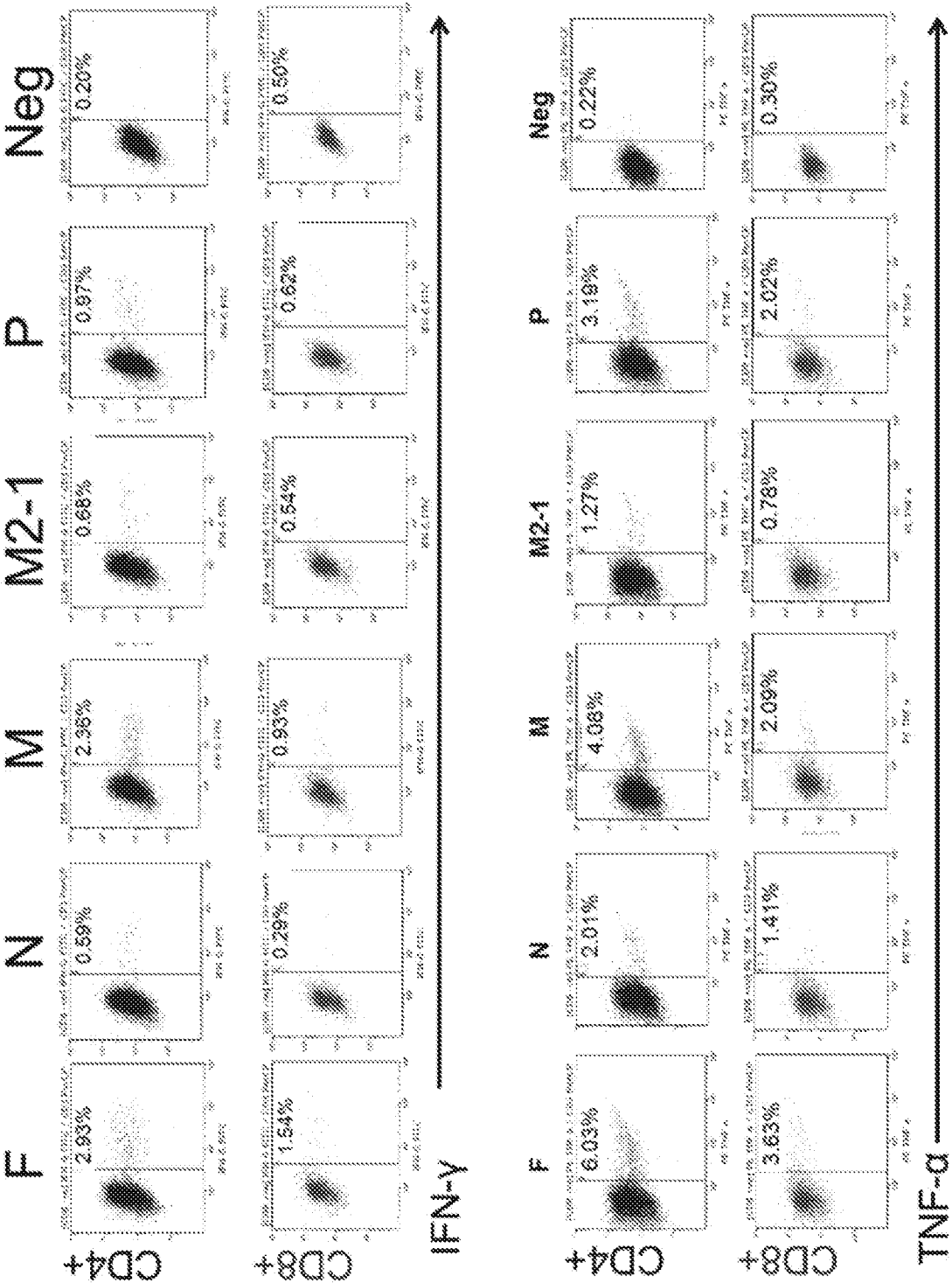


FIG. 37

Product definition

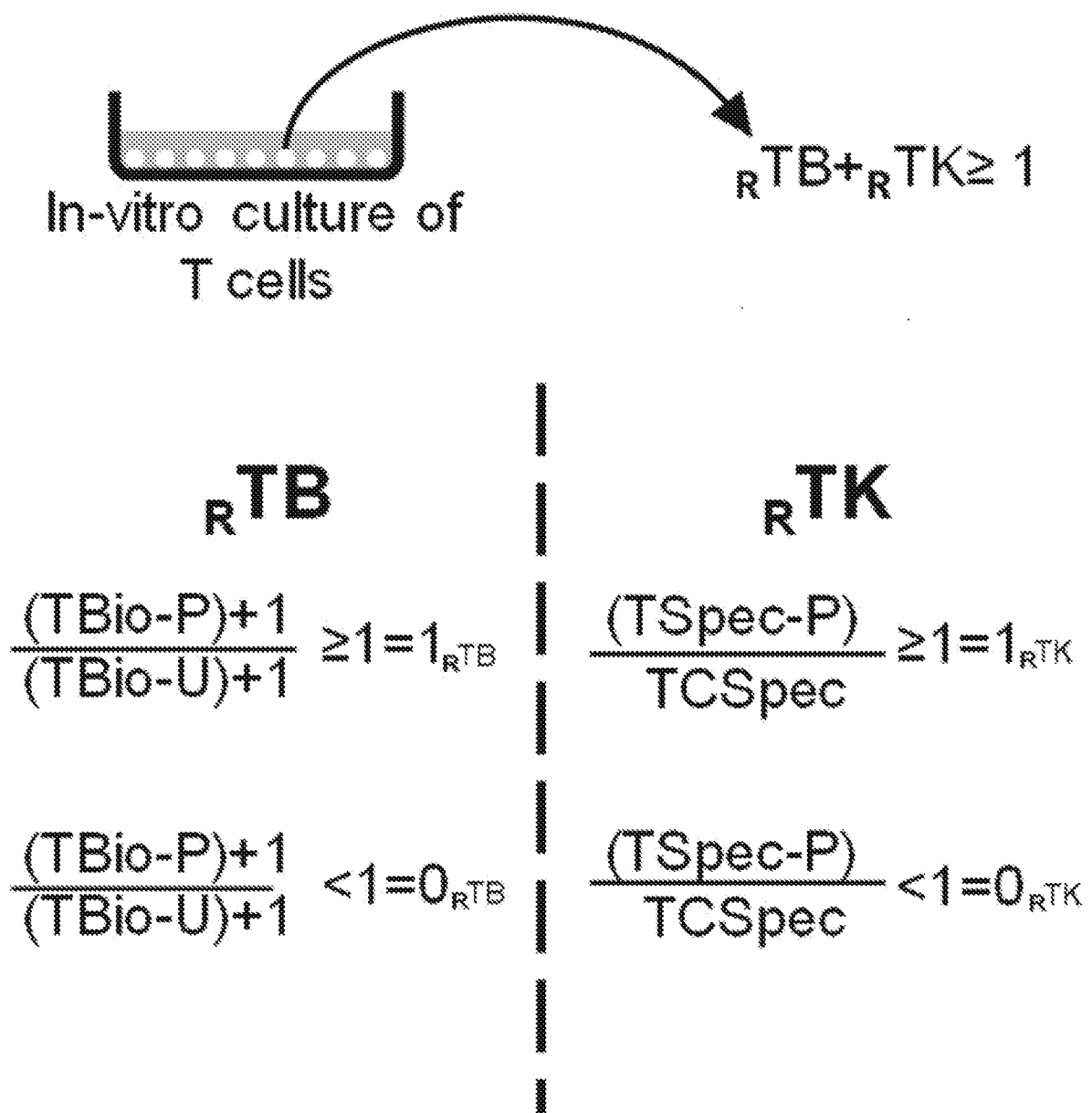


FIG. 38

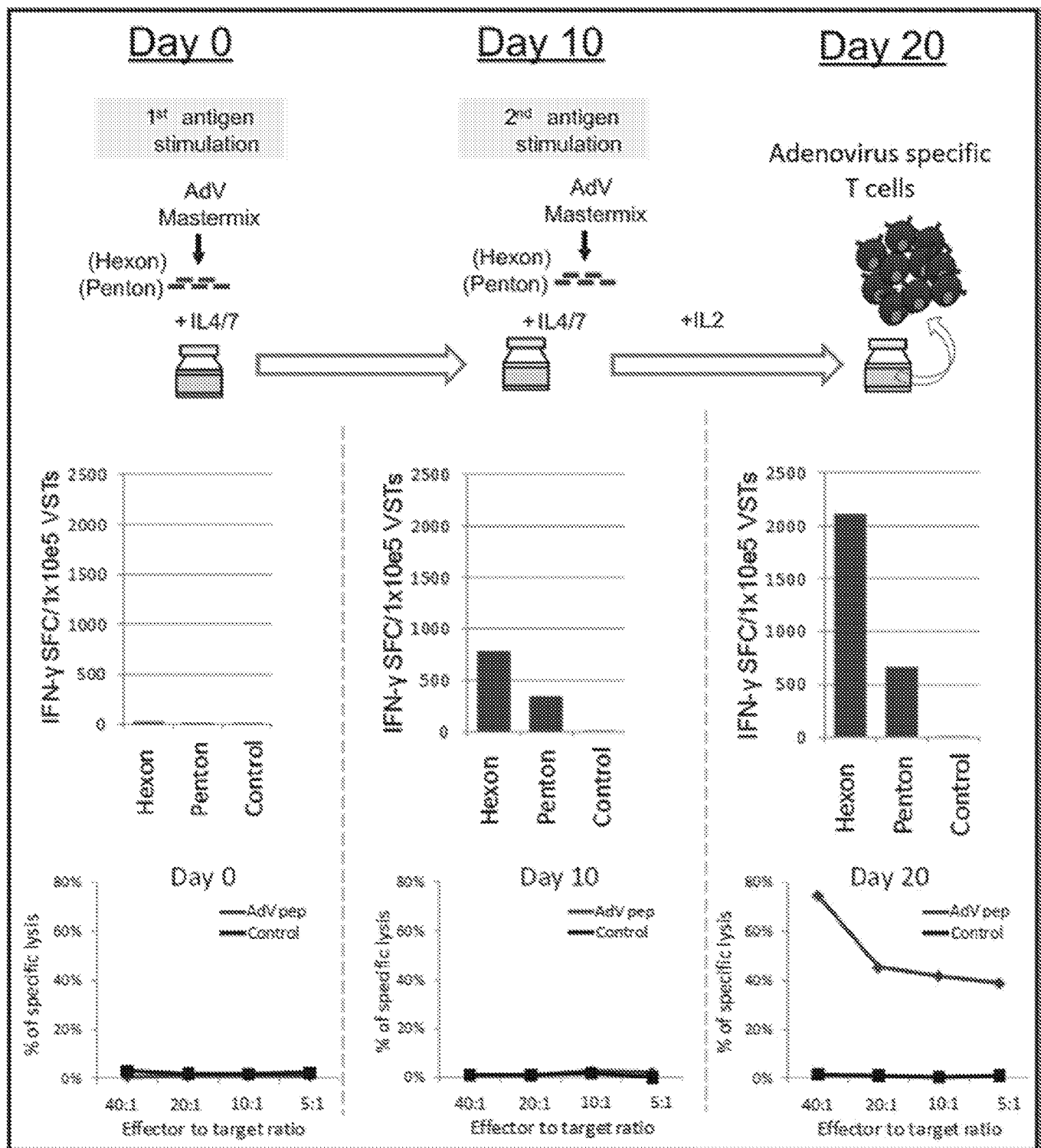


FIG. 39

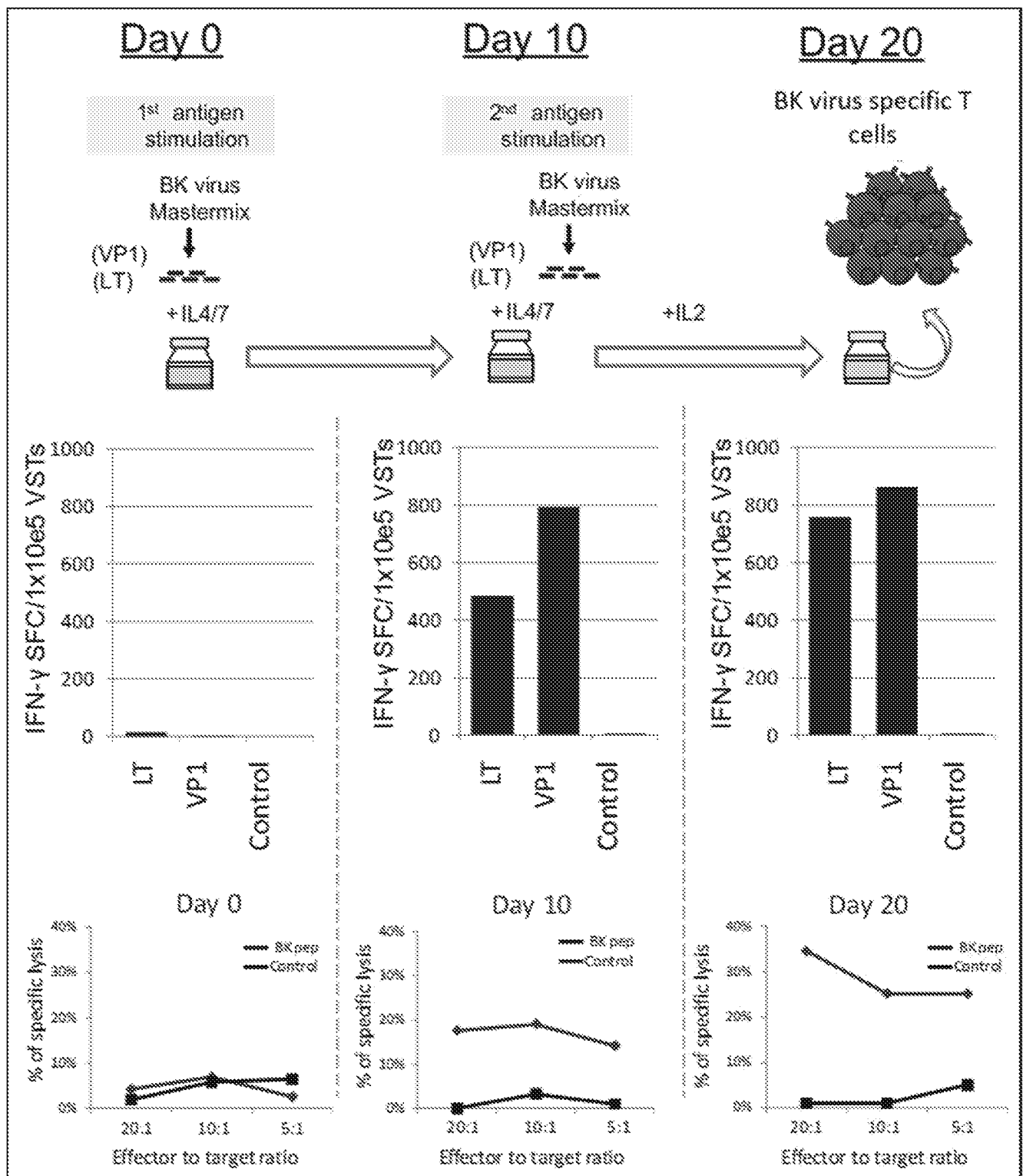


FIG. 40

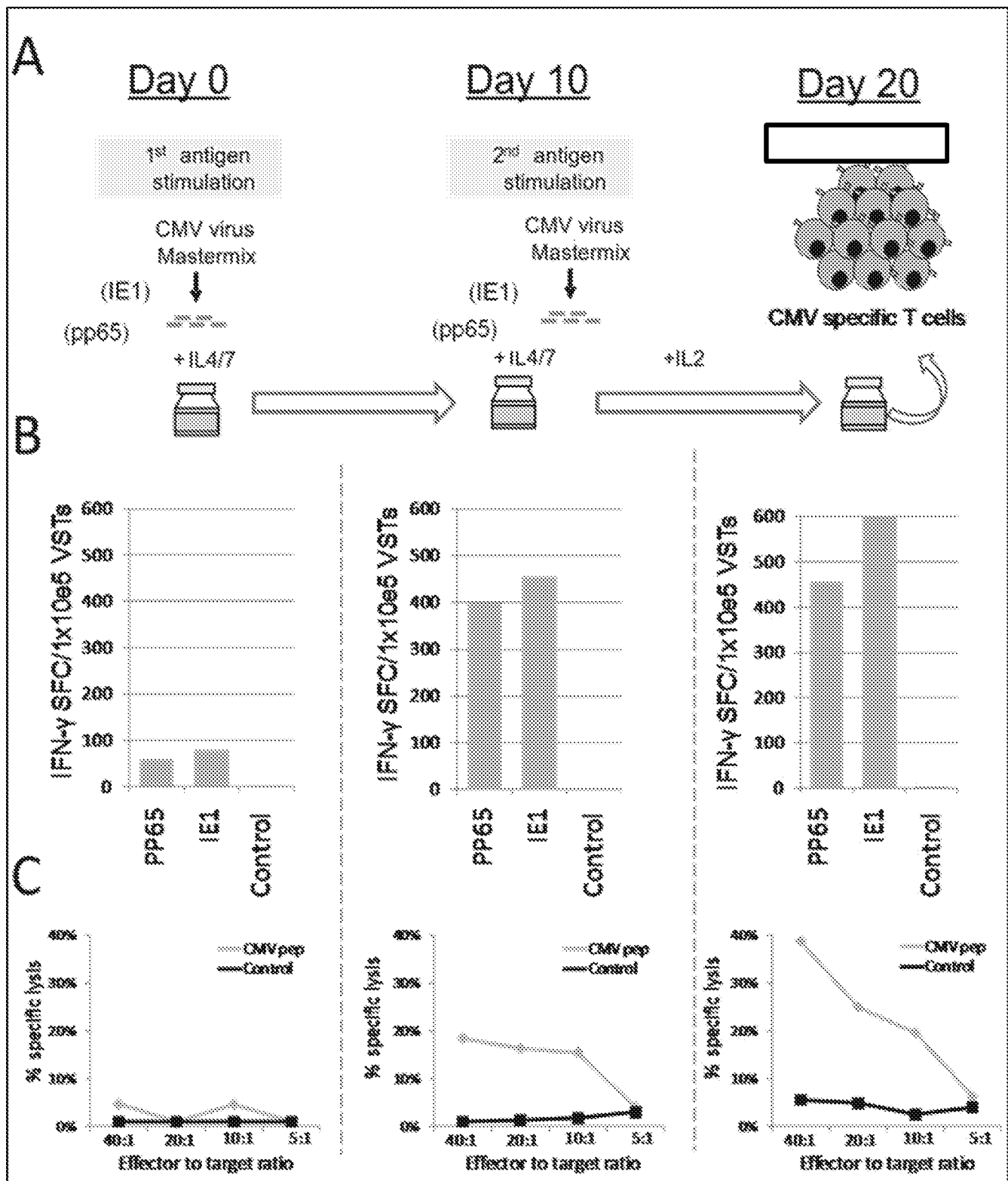


FIG. 41

Donor Specific

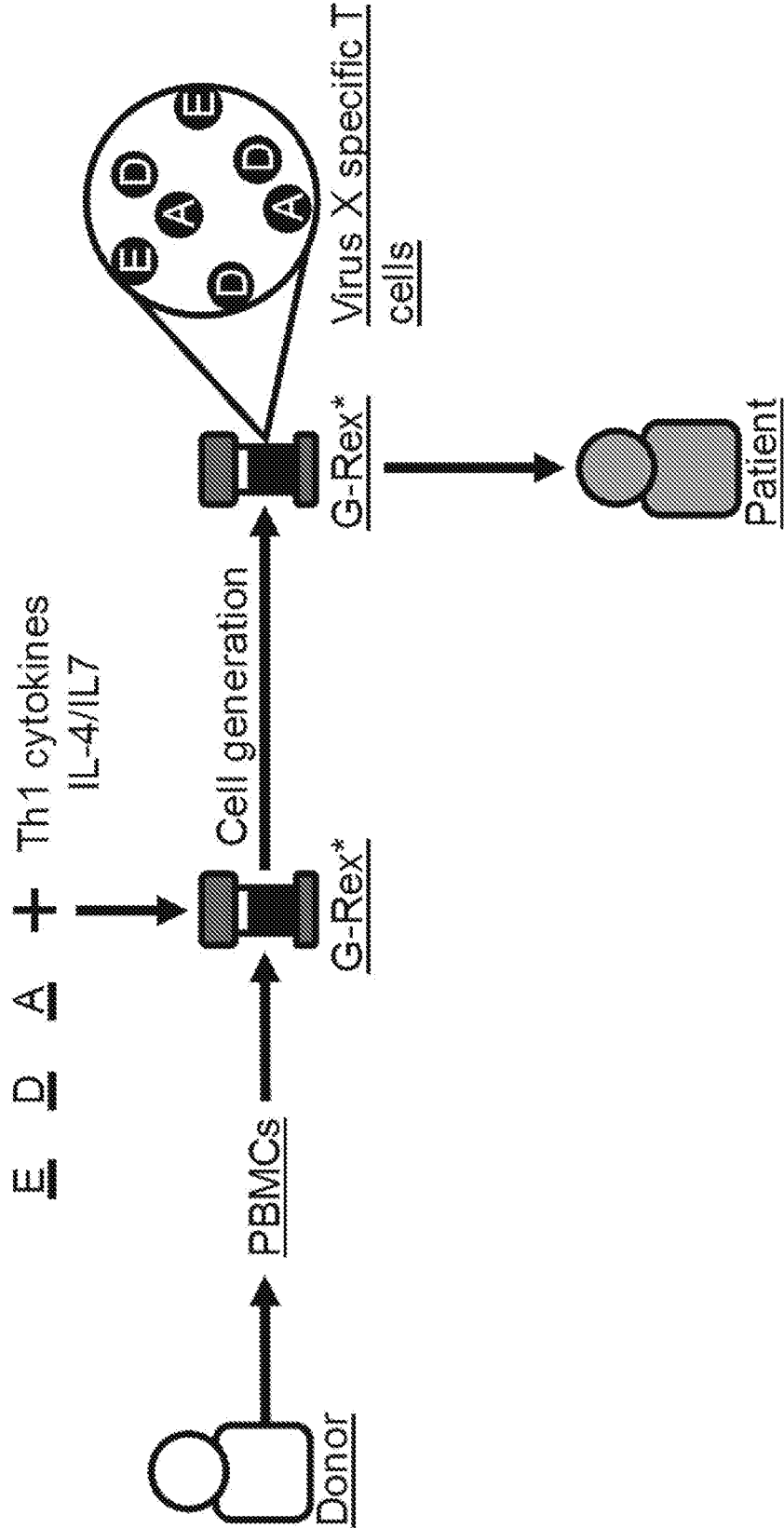


FIG. 42

Off-the-shelf use specific T cells

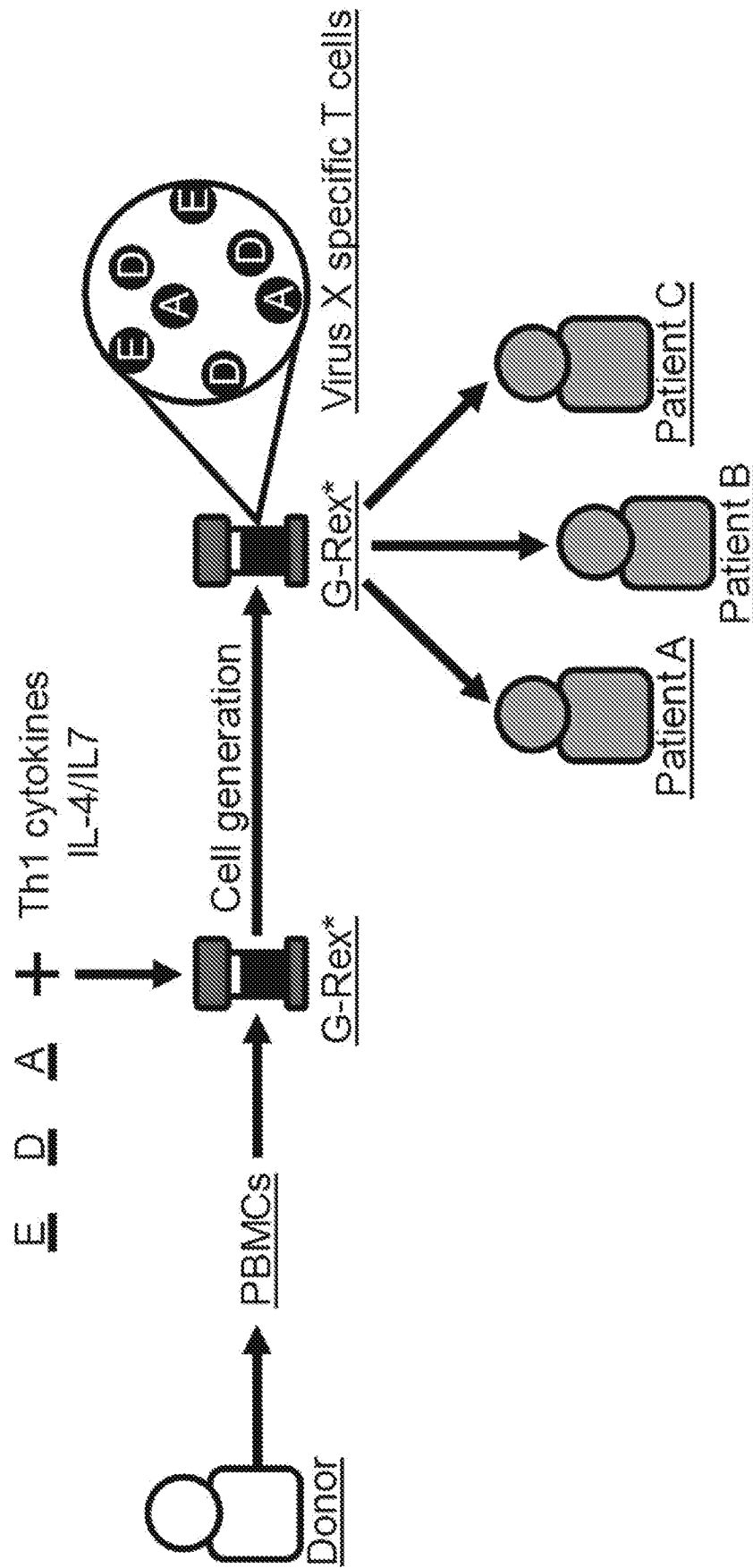


FIG. 43

Product use

$$HLA_p \text{ vs } HLA_{pt} \geq 1 = 1_{(Th)}$$

$$HLA_p \text{ vs } HLA_{pt} < 1 = 0_{(Th)}$$



Product is given to patient



$$[(R_{TB})+(R_{TK})] \times Th \geq 1 \rightarrow$$

Product is NOT given to patient



$$[(R_{TB})+(R_{TK})] \times Th < 1 \rightarrow$$

FIG. 44

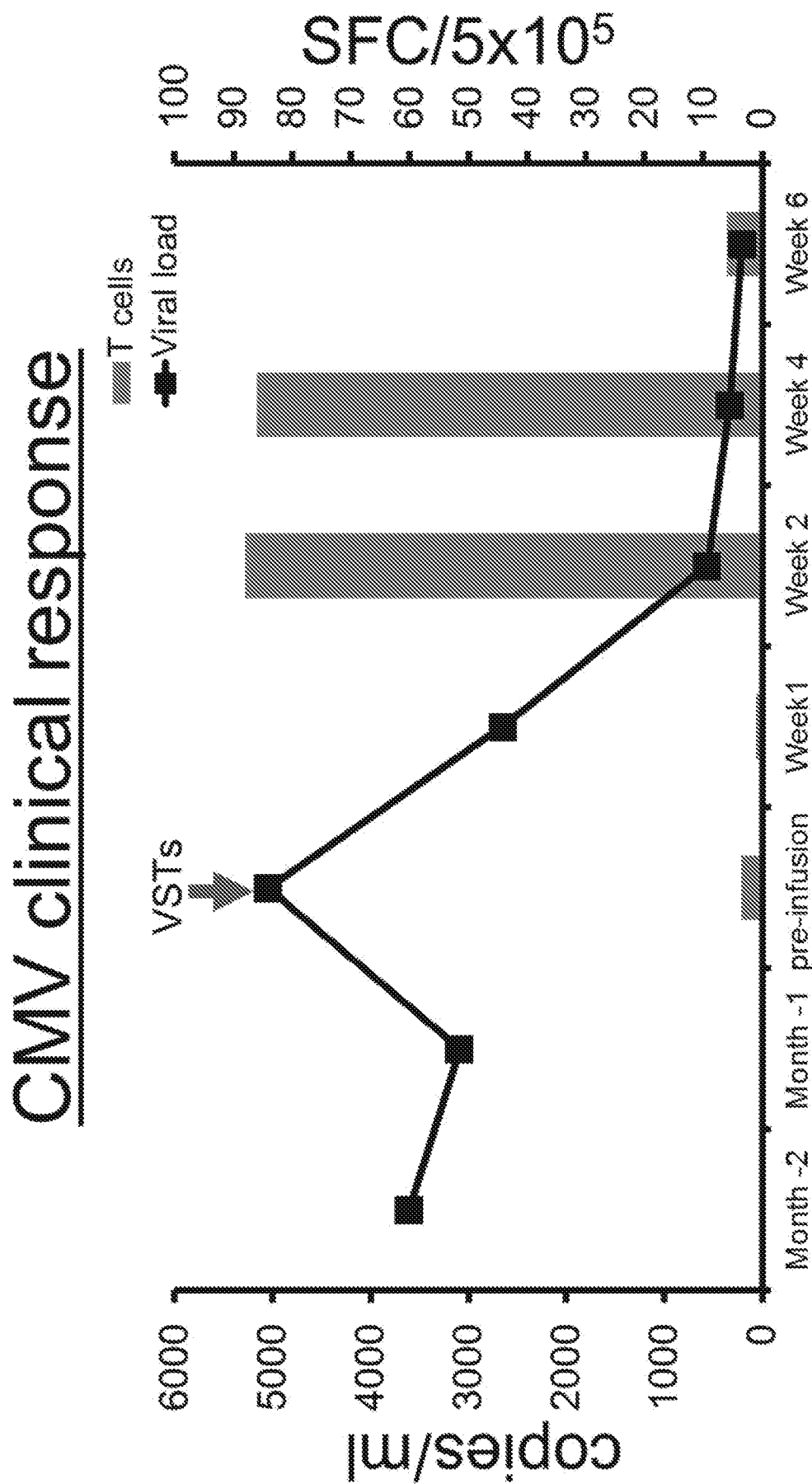


FIG. 45

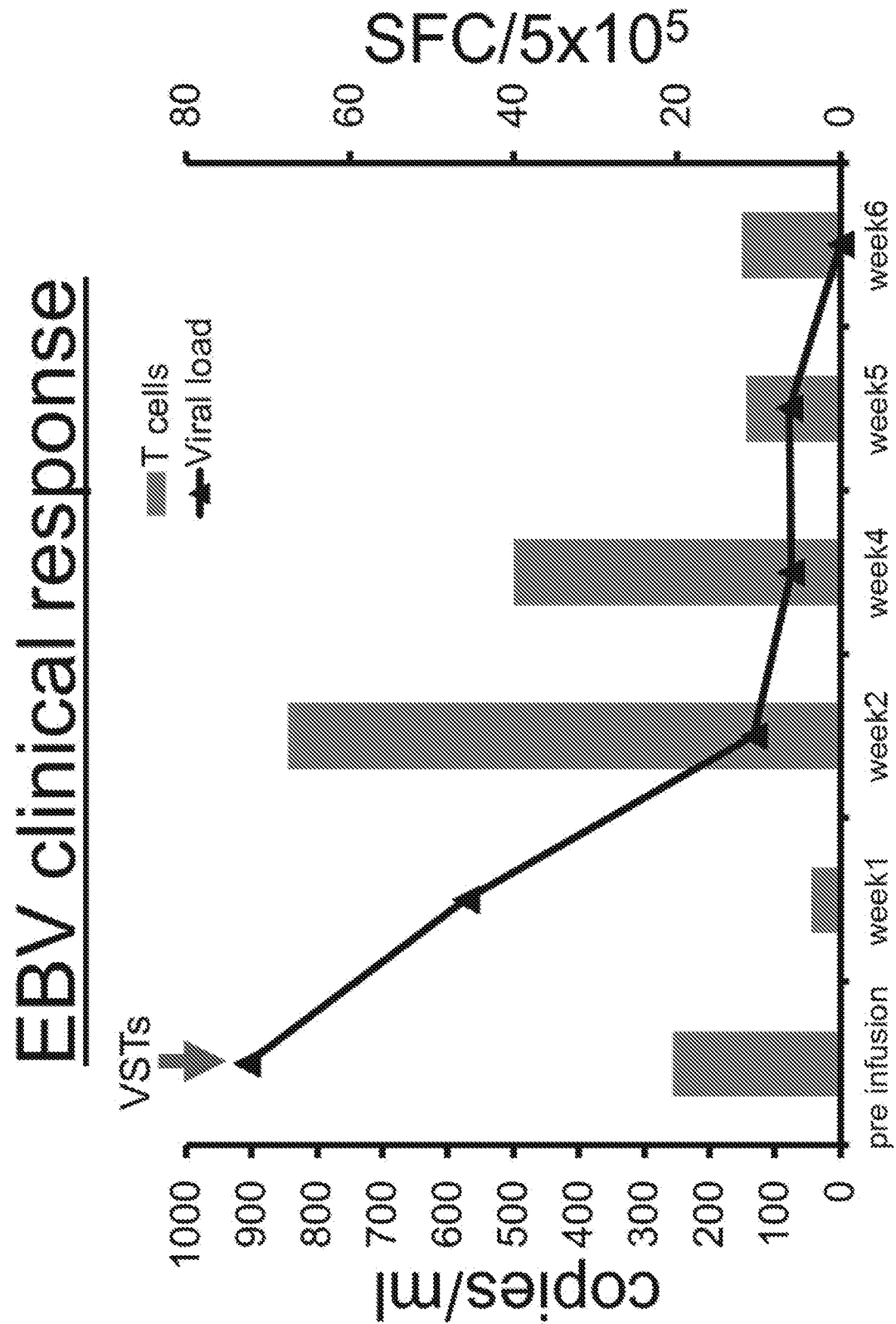


FIG. 46

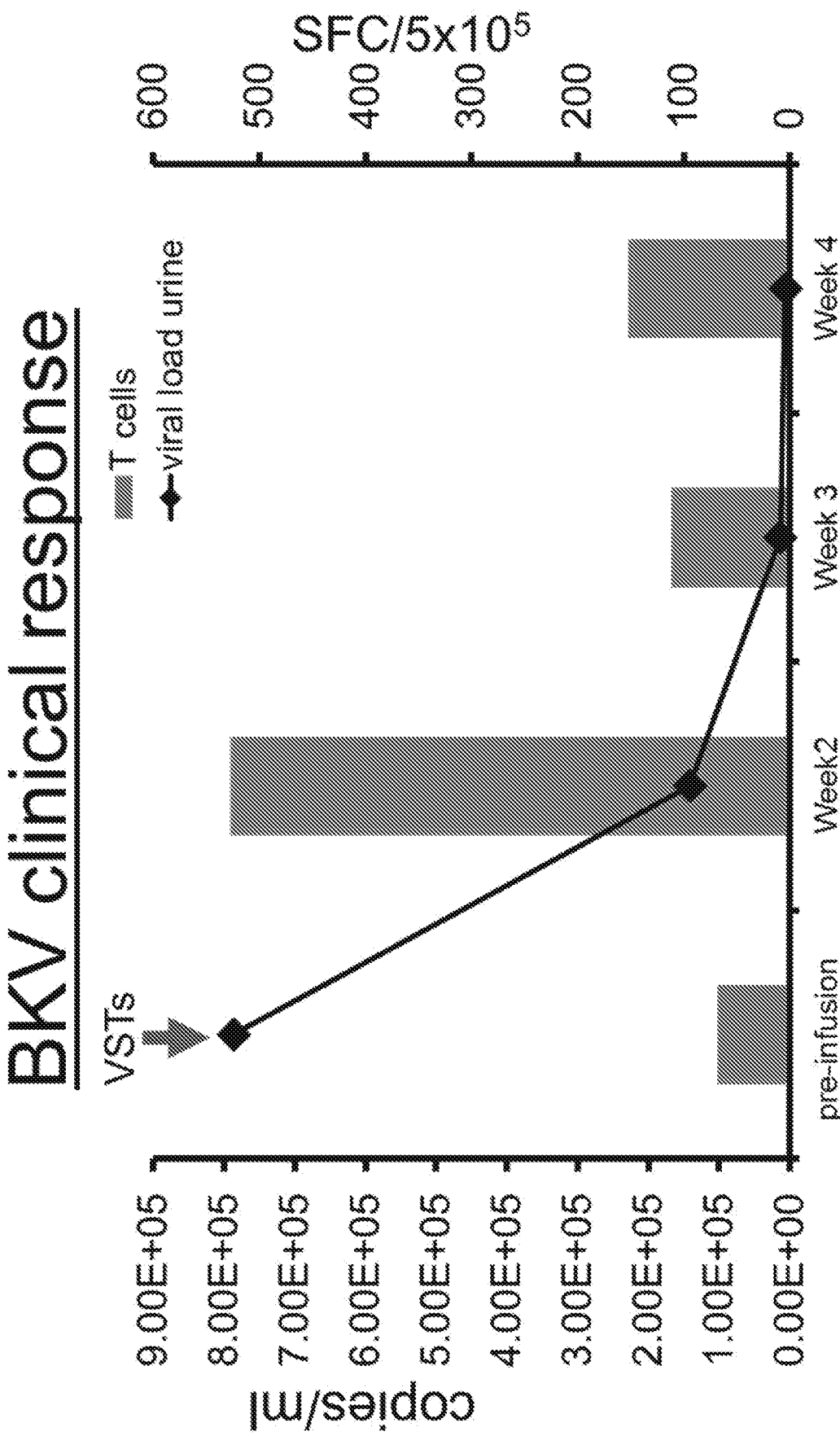


FIG. 47