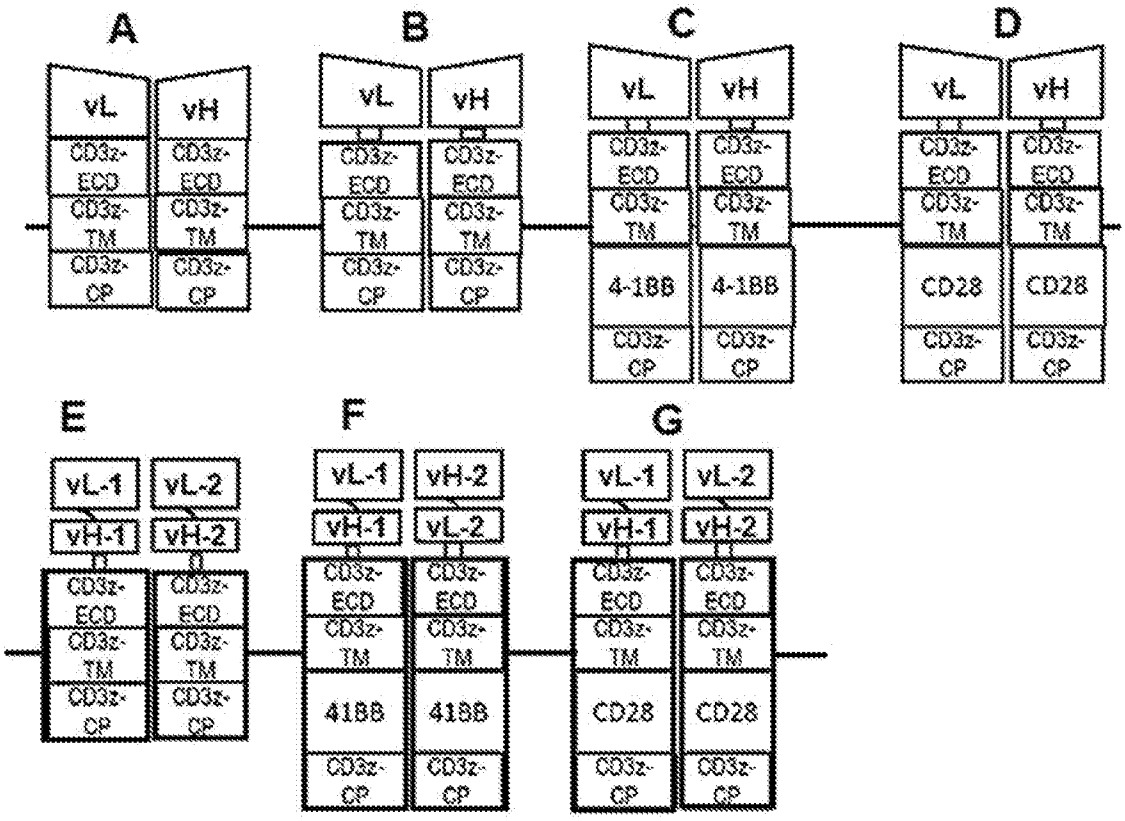
A
vL
vH
CD3z-ECD
CD3z-TM
CD3z-CP
B
vL
vH
CD3z-ECD
CD3z-TM
CD3z-CP
C
vL
vH
CD3z-ECD
CD3z-TM
4-1BB
CD3z-CP
D
vL
vH
CD3z-ECD
CD3z-TM
CD28
CD3z-CP
E
vL-1
vL-2
vH-1
vH-2
CD3z-ECD
CD3z-TM
CD3z-CP
F
vL-1
vH-2
vH-1
vL-2
CD3z-ECD
CD3z-TM
41BB
CD3z-CP
G
vL-1
vL-2
vH-1
vH-2
CD3z-ECD
CD3z-TM
CD28
CD3z-CP

FIG. 1

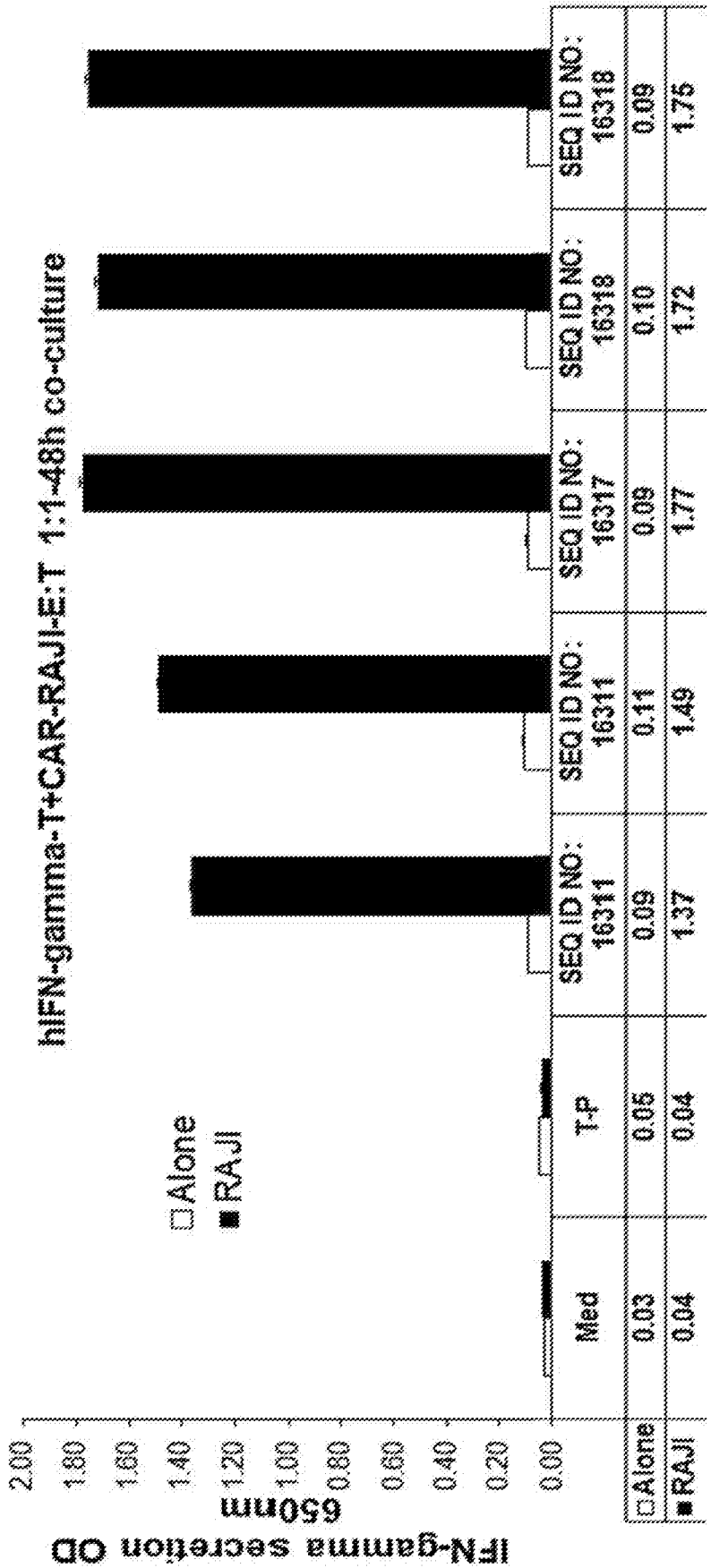
hIFN-gamma-T+CAR-RAJI-E:T 1:1-48h co-culture
IFN-gamma secretion OD 650nm
2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
Alone
RAJI
Med
T-P
SEQ ID NO: 16311
SEQ ID NO: 16311
SEQ ID NO: 16317
SEQ ID NO: 16318
SEQ ID NO: 16318
Alone 0.03 0.05 0.09 0.11 0.09 0.10 0.09
RAJI 0.04 0.04 1.37 1.49 1.77 1.72 1.75

FIG. 2A

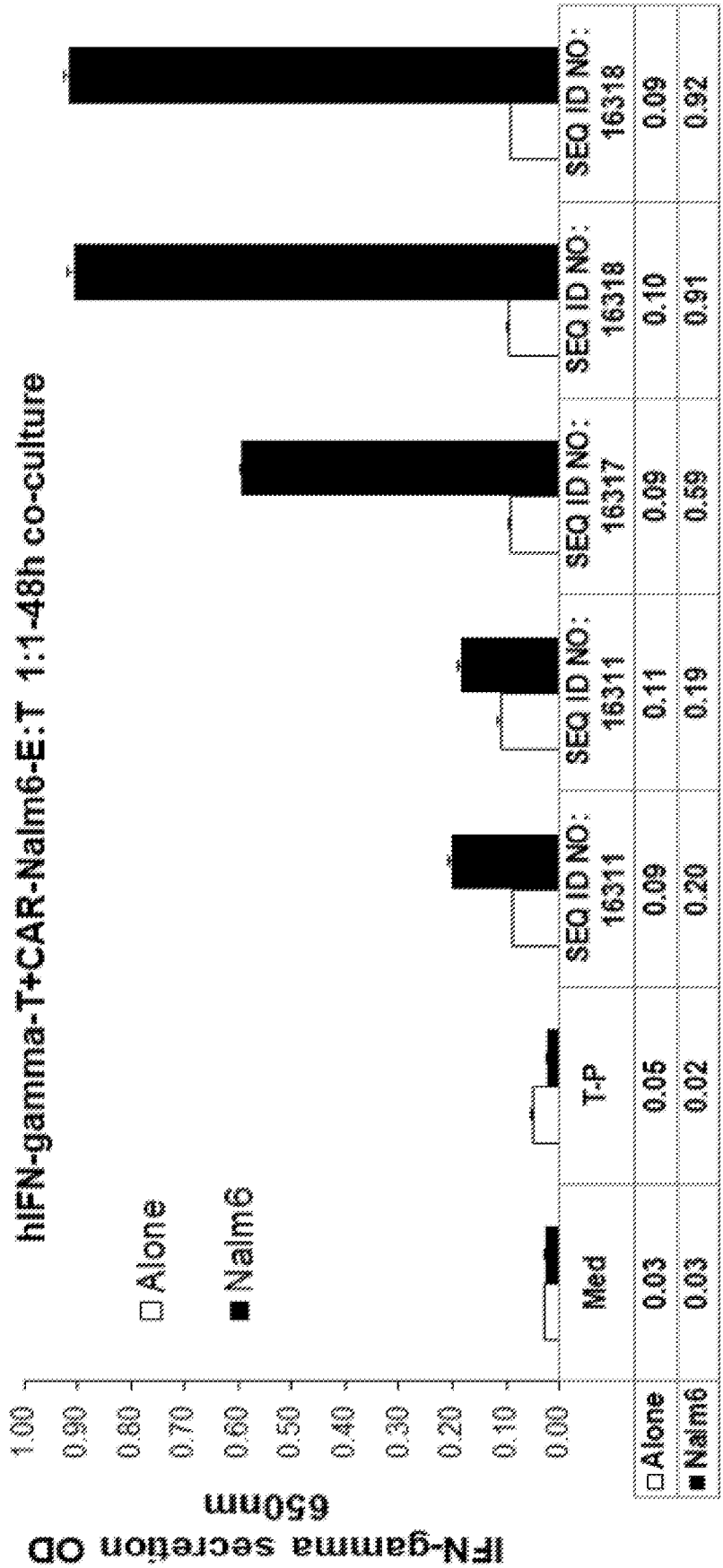
3 / 5
hIFN-gamma-T+CAR-Nalm6-E:T 1:1-48h co-culture
IFN-gamma secretion OD 650nm
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Alone
Nalm6
Med
T-P
SEQ ID NO: 16311
SEQ ID NO: 16311
SEQ ID NO: 16317
SEQ ID NO: 16318
SEQ ID NO: 16318
Alone 0.03 0.05 0.09 0.11 0.09 0.10 0.09
Nalm6 0.03 0.02 0.20 0.19 0.59 0.91 0.92

FIG. 2B

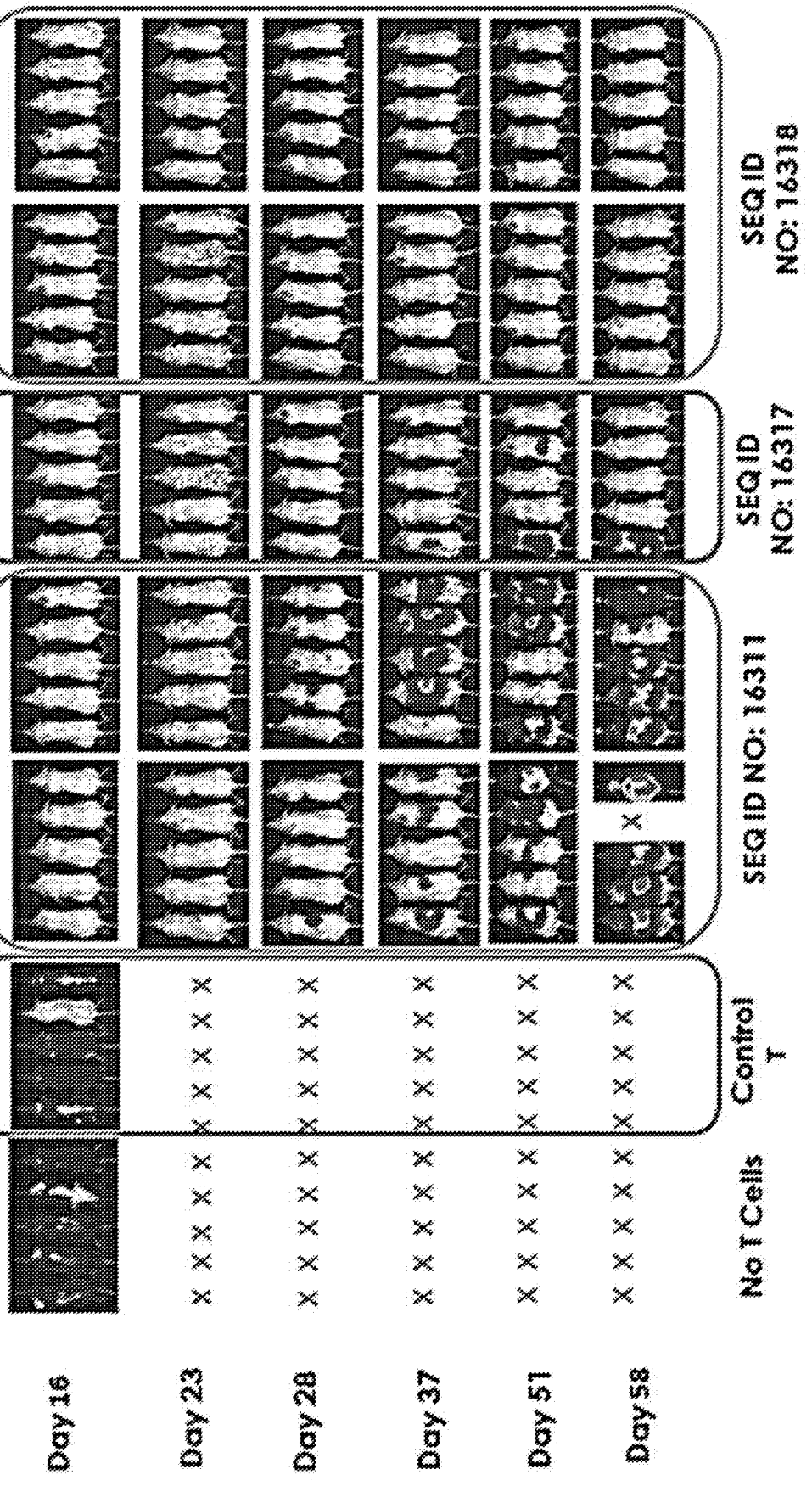
4 / 5
Day 16
Day 23
Day 28
Day 37
Day 51
Day 58
No T Cells
Control T
SEQ ID NO: 16311
SEQ ID NO: 16317
SEQ ID NO: 16318

FIG. 3

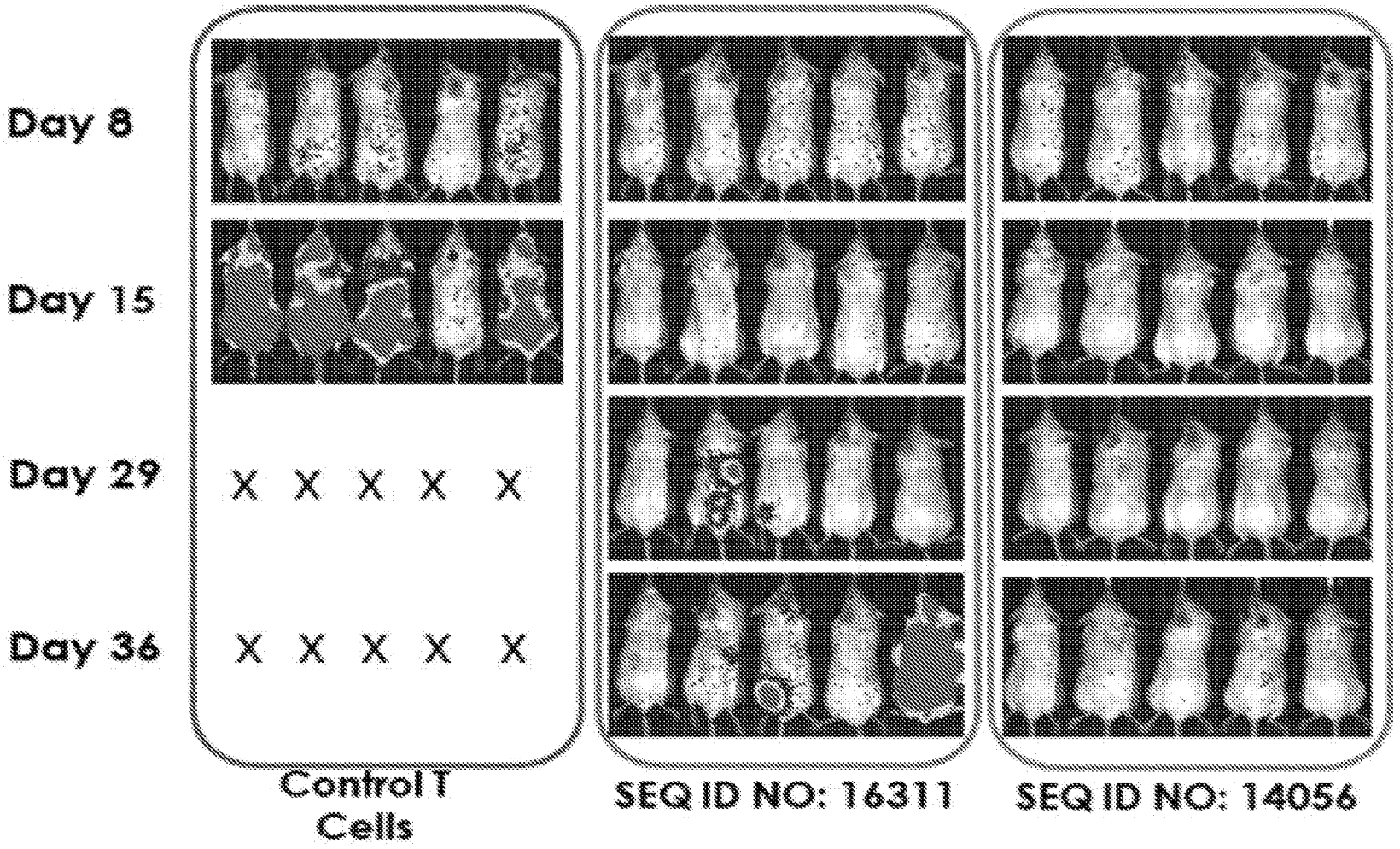
Day 8
Day 15
Day 29
Day 36
X X X X X
X X X X X
Control T Cells
SEQ ID NO: 16311
SEQ ID NO: 14056

FIG. 4

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