Fig. 1A

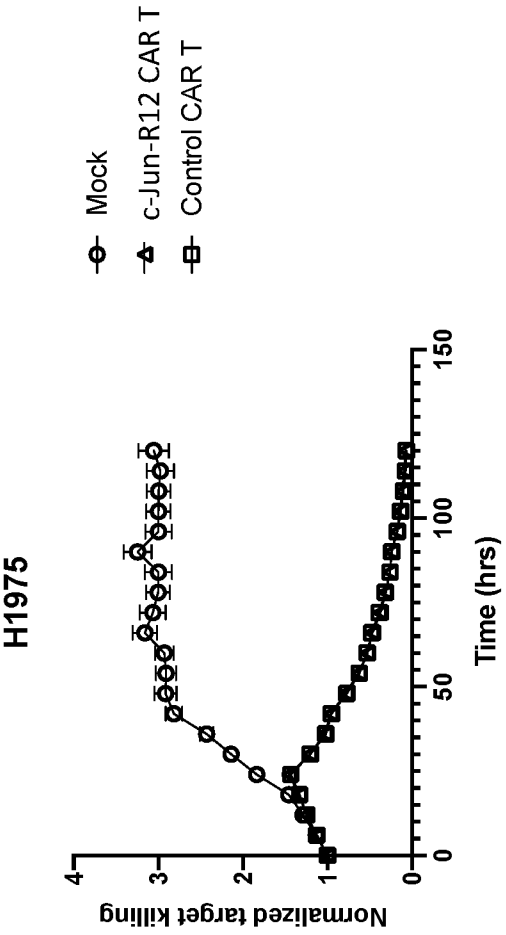

H1975
Mock
c-Jun-R12 CAR T
Control CAR T
Normalized target killing
Time (hrs)
0
1
2
3
4
0
50
100
150

Fig. 1B

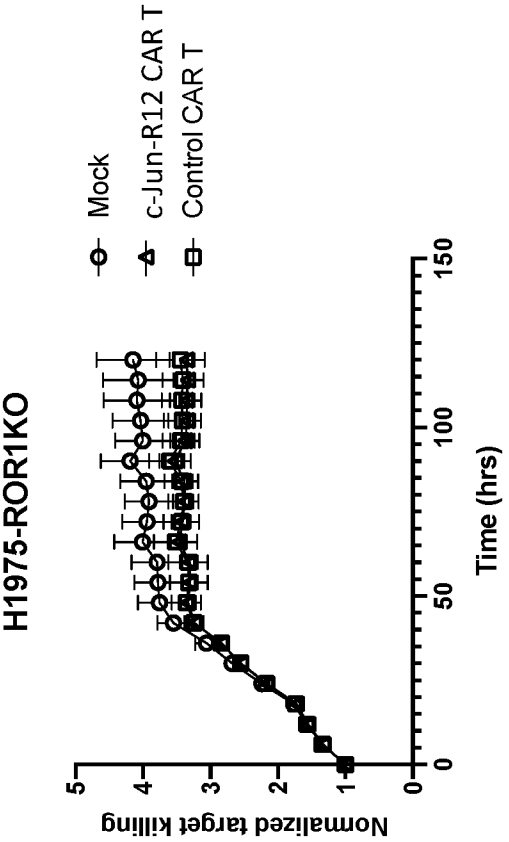

H1975-ROR1KO
Mock
c-Jun-R12 CAR T
Control CAR T
Normalized target killing
Time (hrs)
0
1
2
3
4
5
0
50
100
150

Fig. 2A

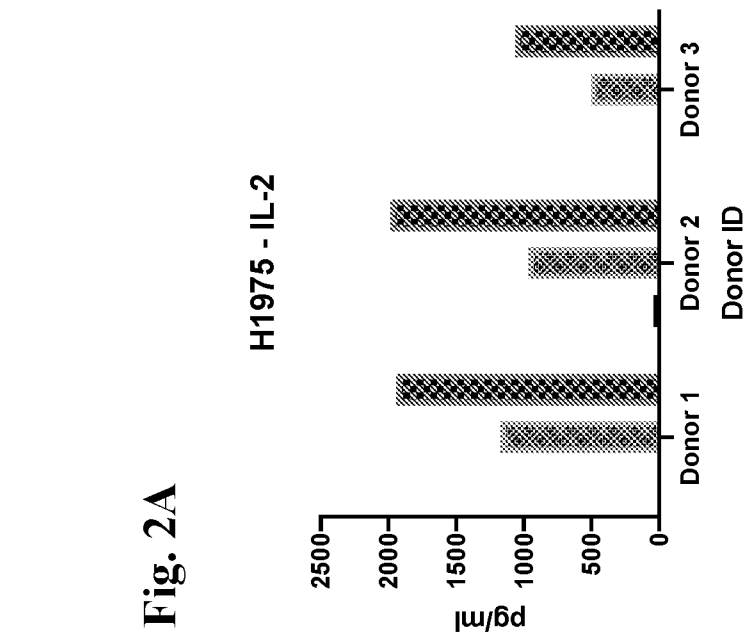

H1975 - IL-2
Mock
Control CAR T
c-Jun-R12 CAR T
pg/ml
2500
2000
1500
1000
500
0
Donor 1
Donor 2
Donor 3
Donor ID

Fig. 2B

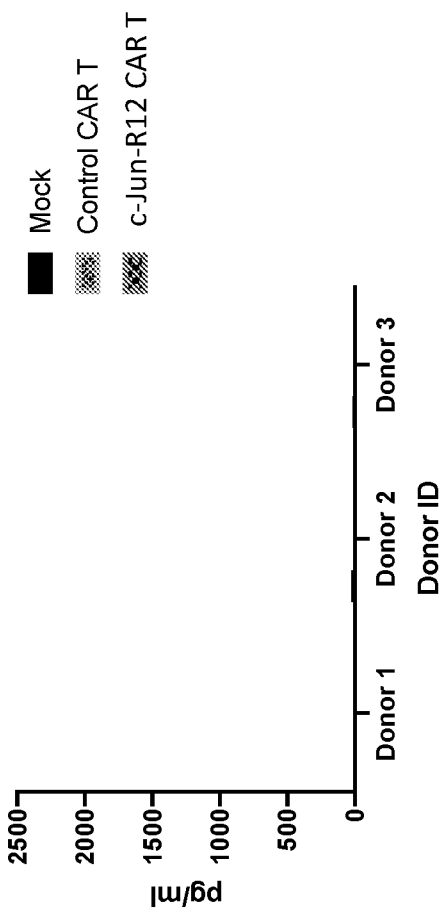

H1975-ROR1KO - IL2
Mock
Control CAR T
c-Jun-R12 CAR T
pg/ml
2500
2000
1500
1000
500
0
Donor 1
Donor 2
Donor 3
Donor ID

Fig. 2C

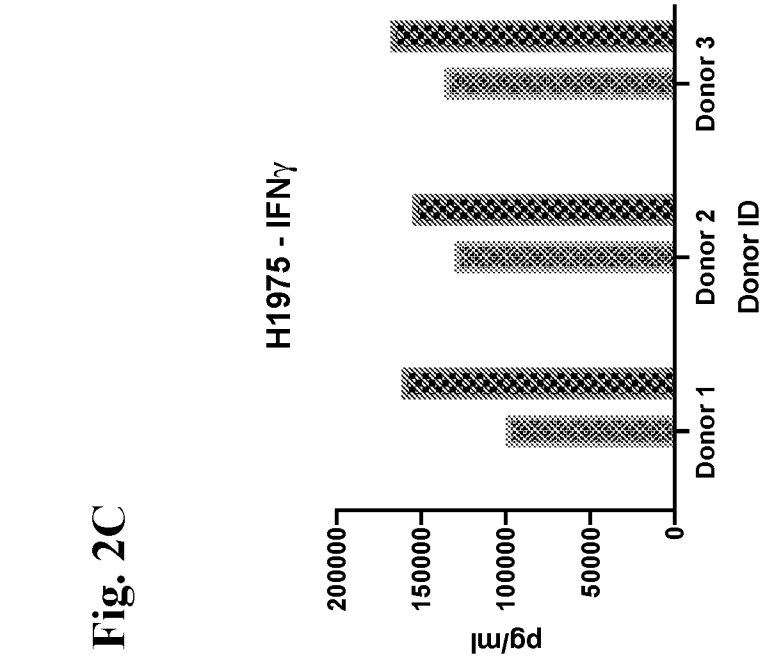

H1975 - IFNγ
Mock
Control CAR T
c-Jun-R12 CAR T
pg/ml
200000
150000
100000
50000
0
Donor 1
Donor 2
Donor 3
Donor ID

Fig. 2D

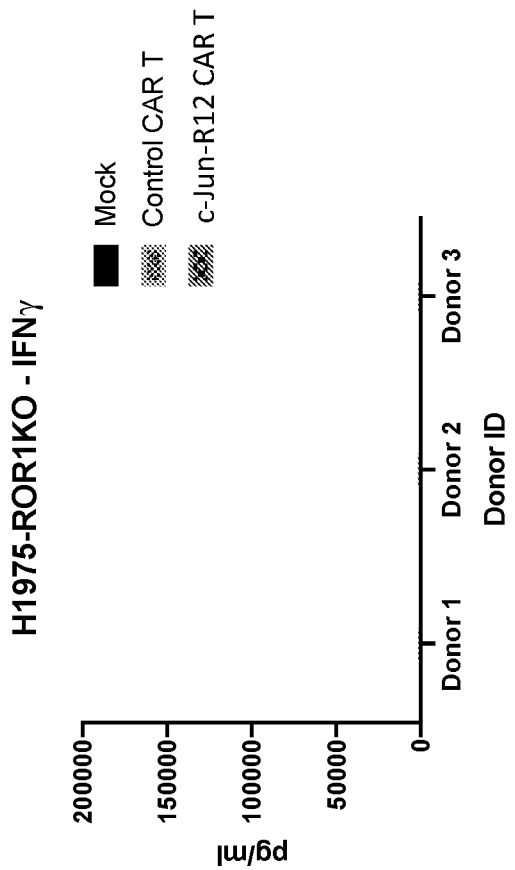

H1975-ROR1KO - IFNγ
Mock
Control CAR T
c-Jun-R12 CAR T
pg/ml
200000
150000
100000
50000
0
Donor 1
Donor 2
Donor 3
Donor ID

Fig. 3A

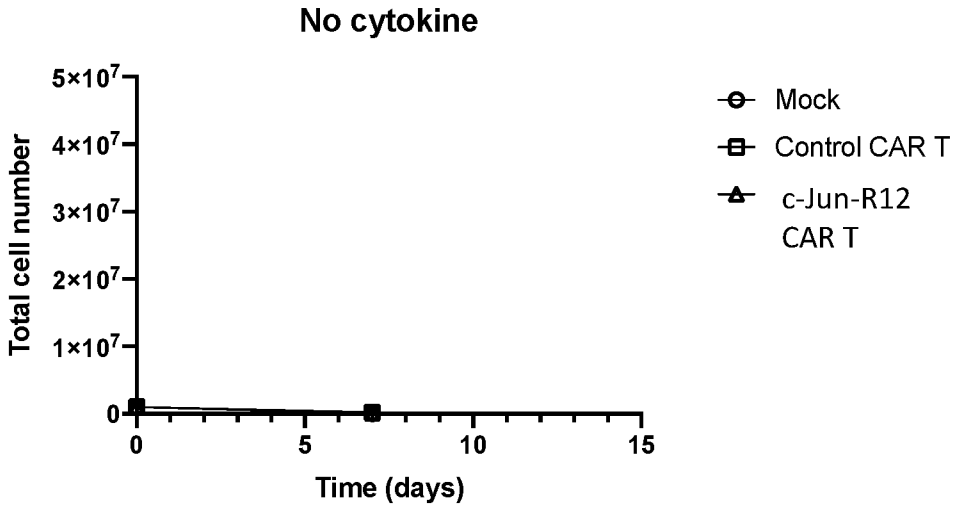


Fig. 3B

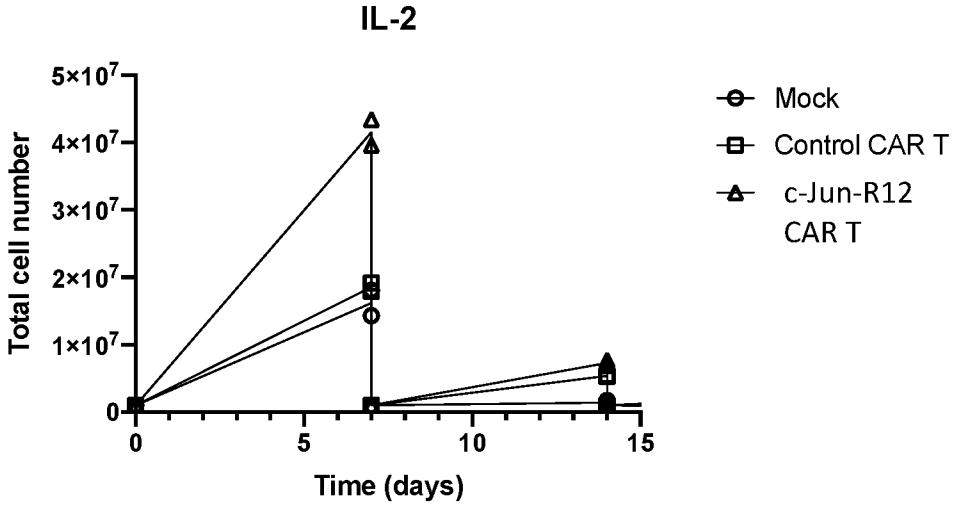


Fig. 3C

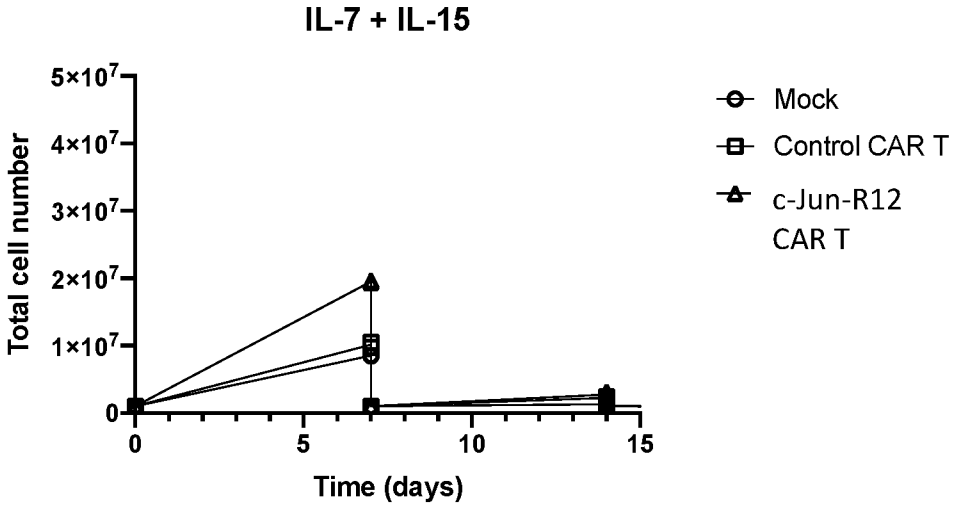


Fig. 4A

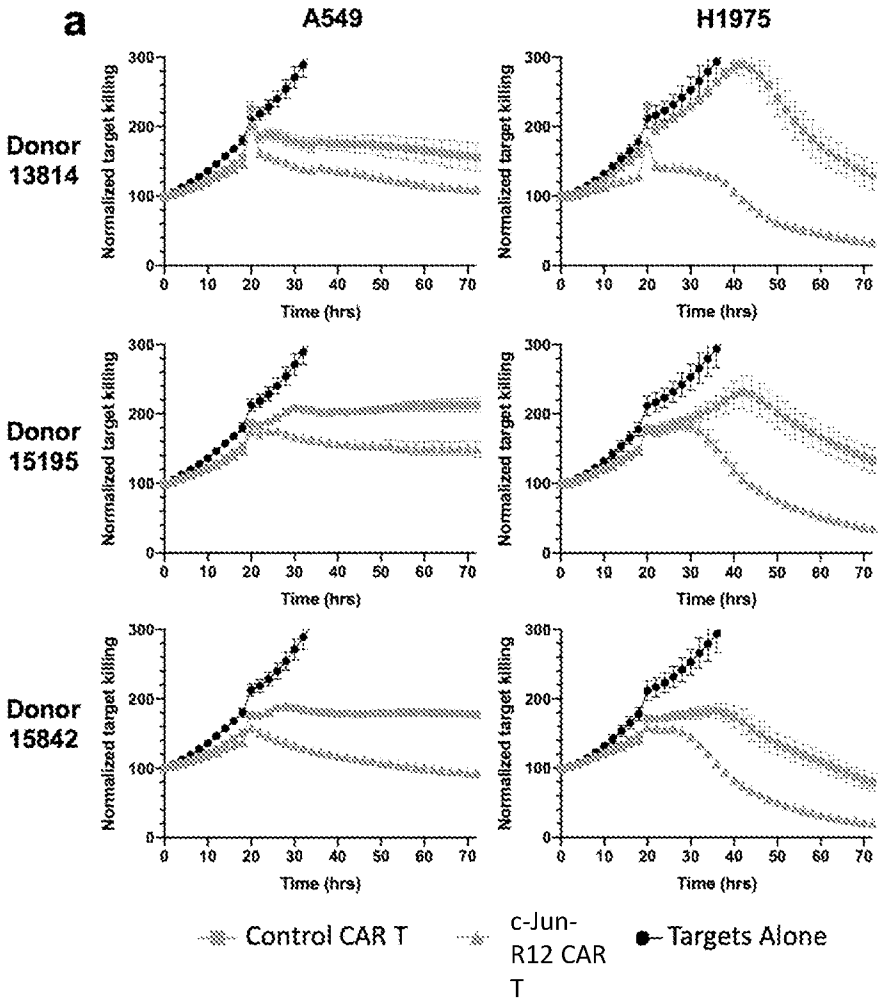

a
A549
H1975
Donor 13814
Donor 15195
Donor 15842
Normalized target killing
Time (hrs)
Control CAR T
c-Jun-R12 CAR T
Targets Alone

Fig. 4B

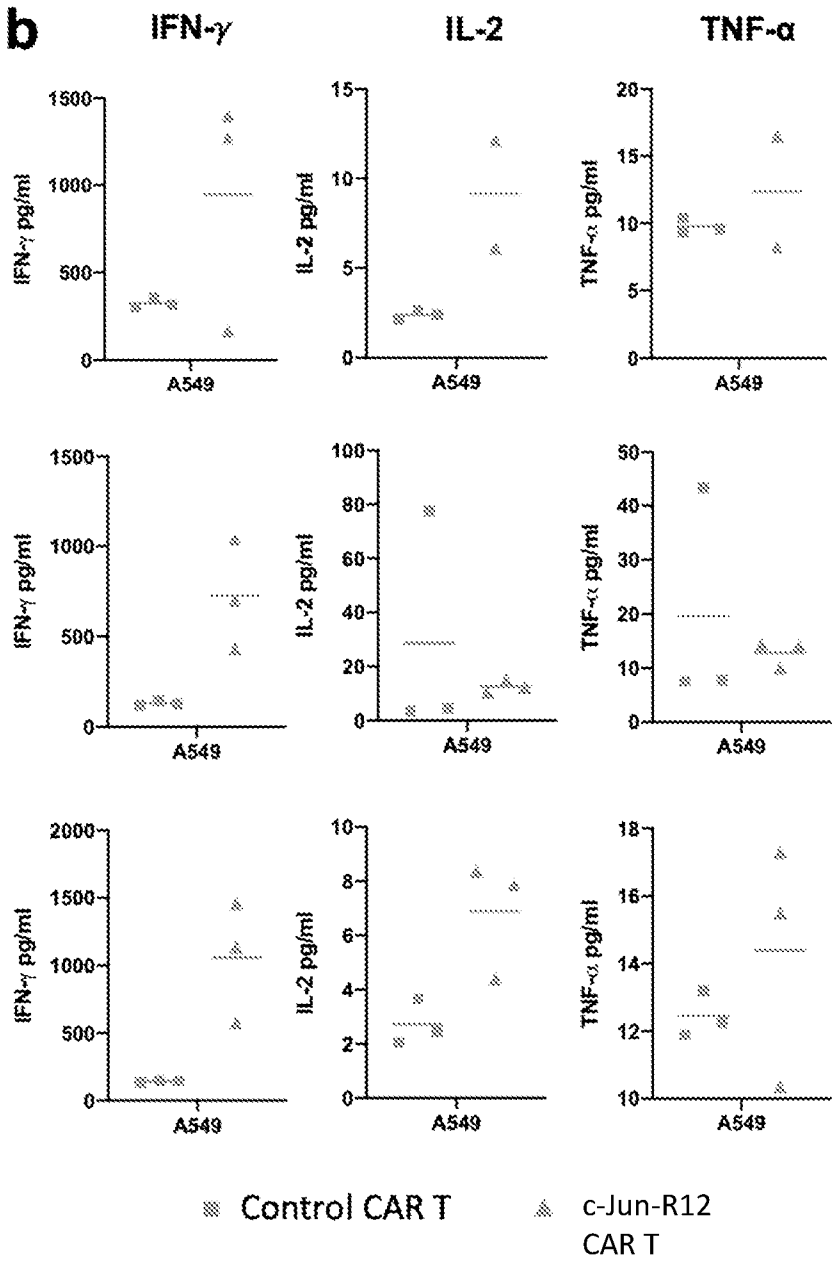

b
IFN-γ
IL-2
TNF-α
IFN-γ pg/ml
IL-2 pg/ml
TNF-α pg/ml
A549
Control CAR T
c-Jun-R12 CAR T

Fig. 5B

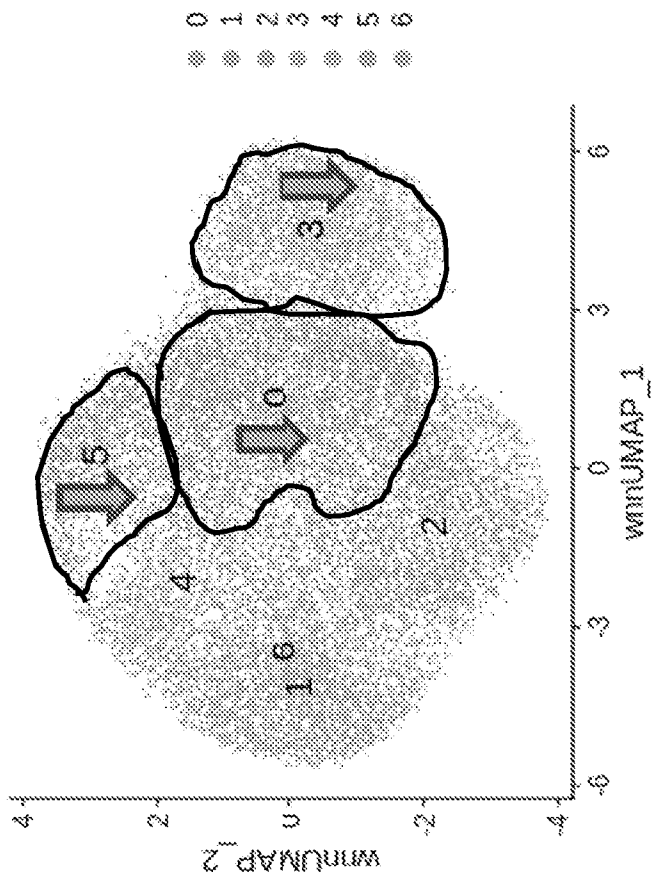

0 1 2 3 4 5 6
wnnUMAP_2
wnnUMAP_1
4
2
0
-2
-4
-6
-3
0
3
6
5
0
3
4
1
2

Fig. 5A

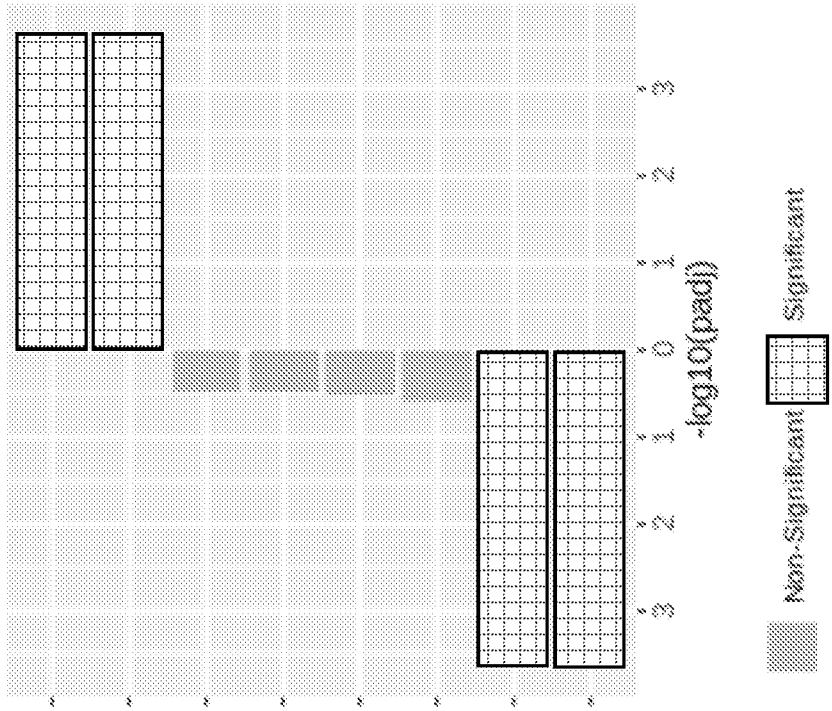

Texterm_DOWN
TexProg2_UP
TexProg1_UP
Texint_UP
TexProg1_DOWN
Texint_DOWN
Texterm_UP
TEX_mutiTumors
-log10(padj)
Non-Significant
Significant

Fig. 5C

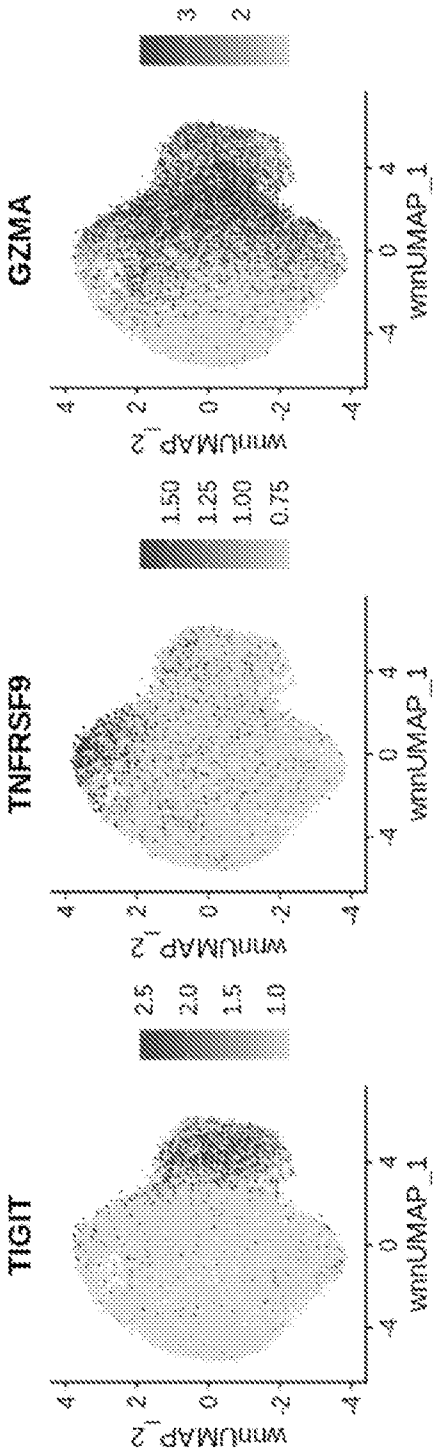

TIGIT
TNFRSF9
GZMA
wnnUMAP_1
wnnUMAP_2

Fig. 5D

0
5
3
Percentage
Donor13814
Donor15842
Control CAR T
c-Jun-R12 CAR T

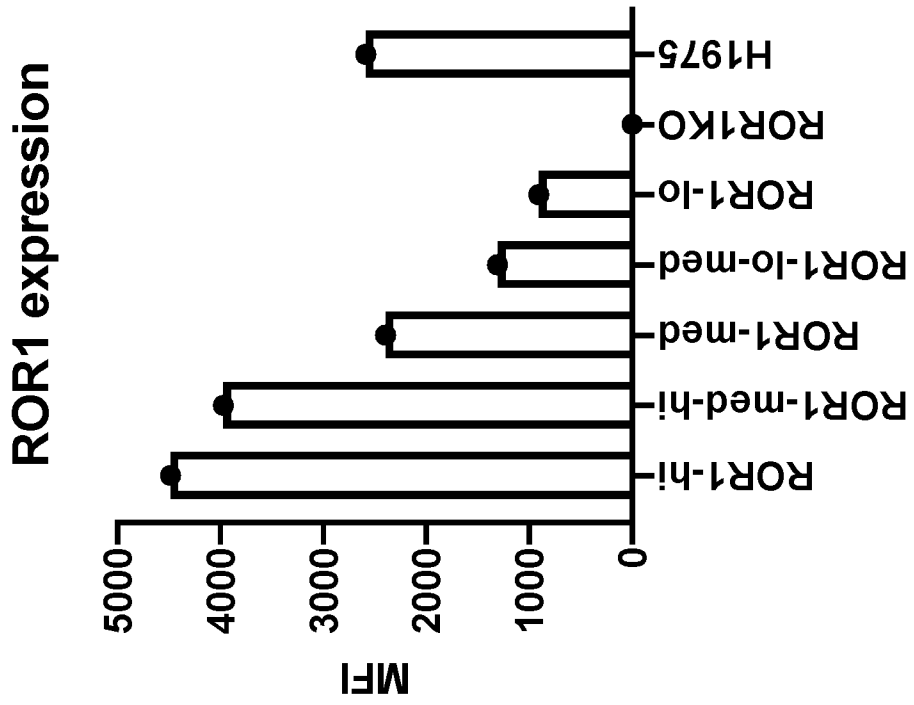

ROR1 expression
MFI
5000
4000
3000
2000
1000
0
ROR1-hi
ROR1-med-hi
ROR1-med
ROR1-lo-med
ROR1-lo
ROR1KO
H1975

Fig. 6

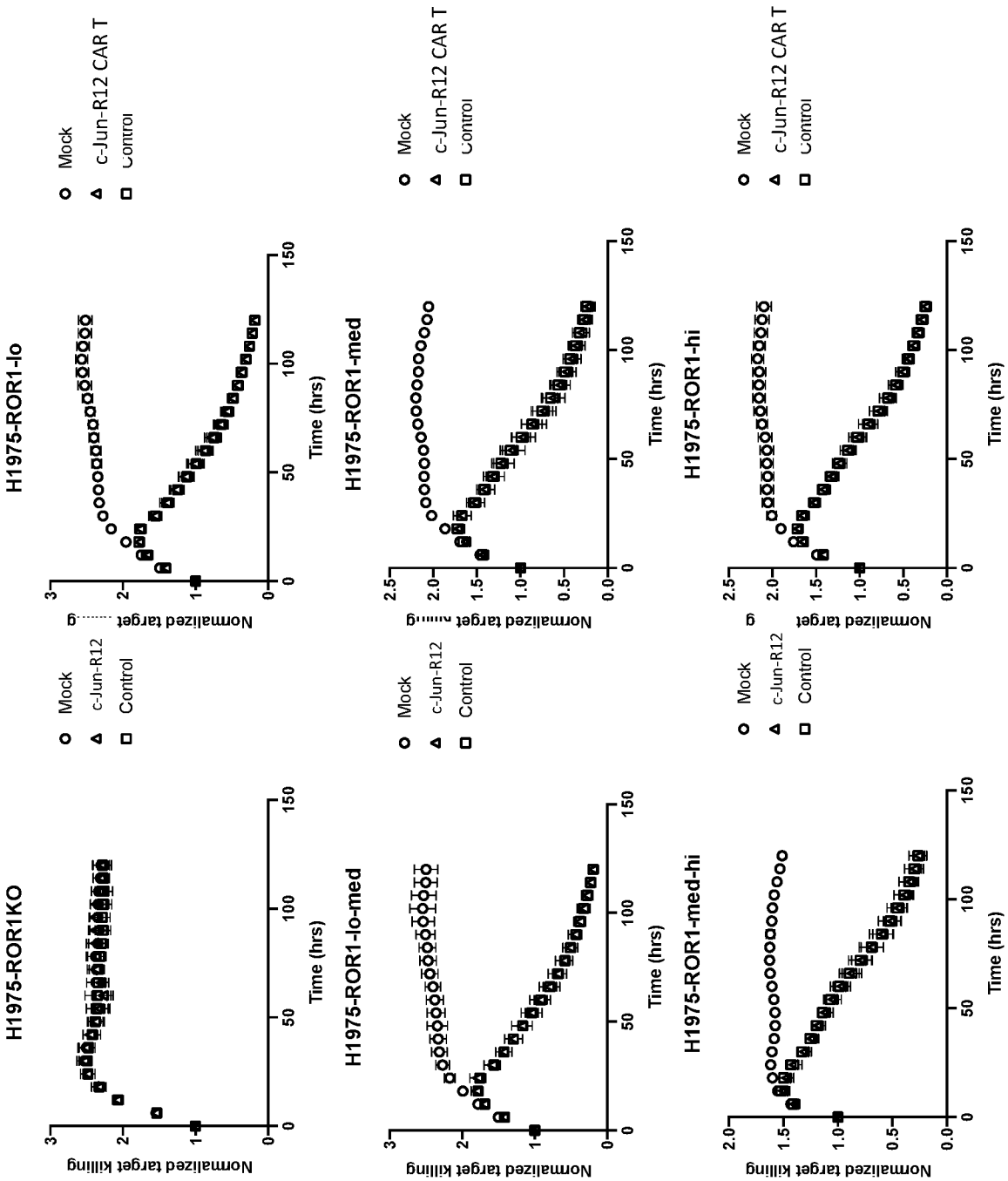

H1975-ROR1KO
H1975-ROR1-lo
H1975-ROR1-lo-med
H1975-ROR1-med
H1975-ROR1-med-hi
H1975-ROR1-hi
Mock
c-Jun-R12
c-Jun-R12 CAR T
Control
Normalized target killing
Time (hrs)

Fig. 7

Fig. 8A

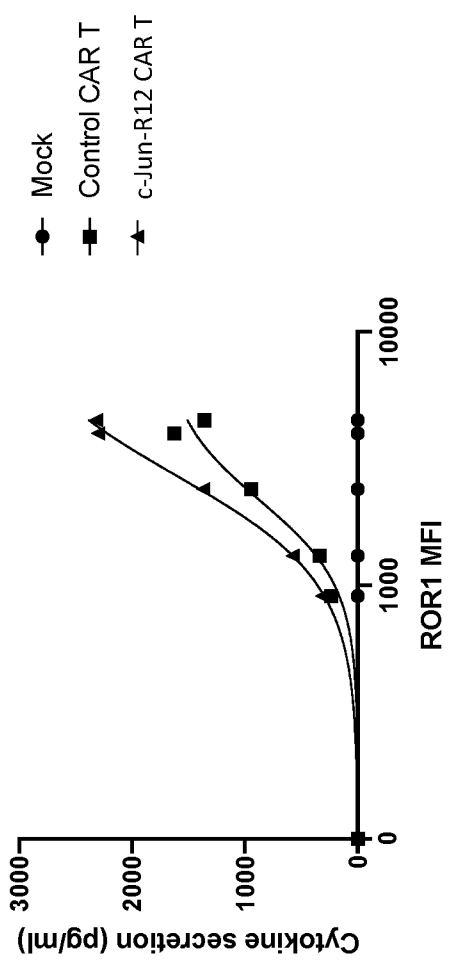

IL2
Mock
Control CAR T
c-Jun-R12 CAR T
Cytokine secretion (pg/ml)
3000
2000
1000
0
0
1000
10000
ROR1 MFI

Fig. 8B

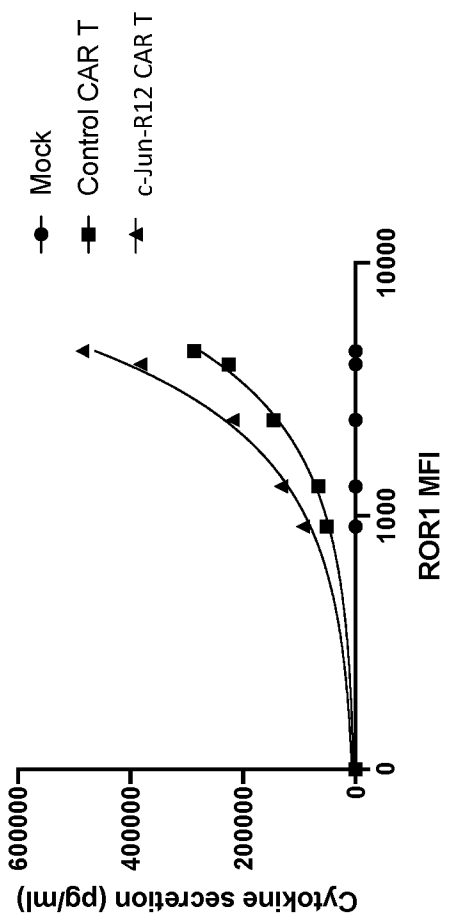

IFNγ
Mock
Control CAR T
c-Jun-R12 CAR T
Cytokine secretion (pg/ml)
600000
400000
200000
0
0
1000
10000
ROR1 MFI

Fig. 9A

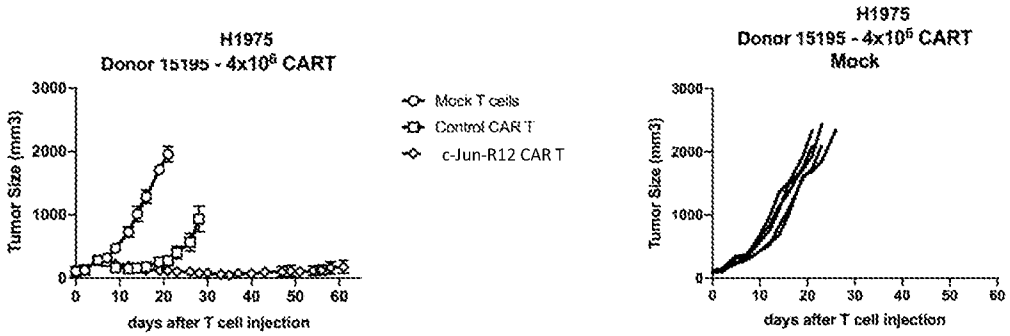


Fig. 9B

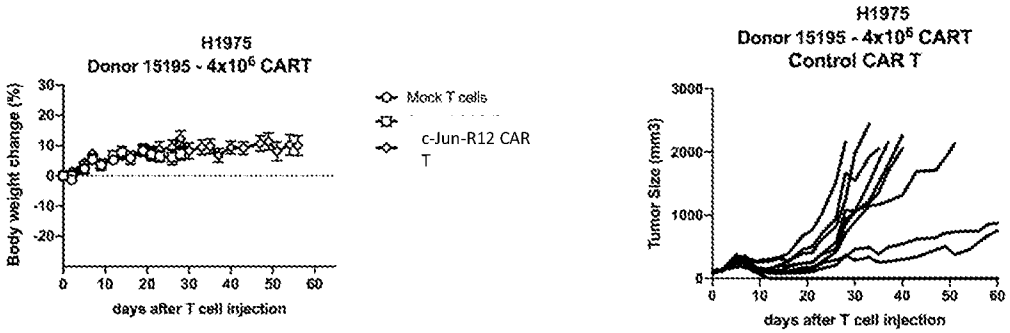
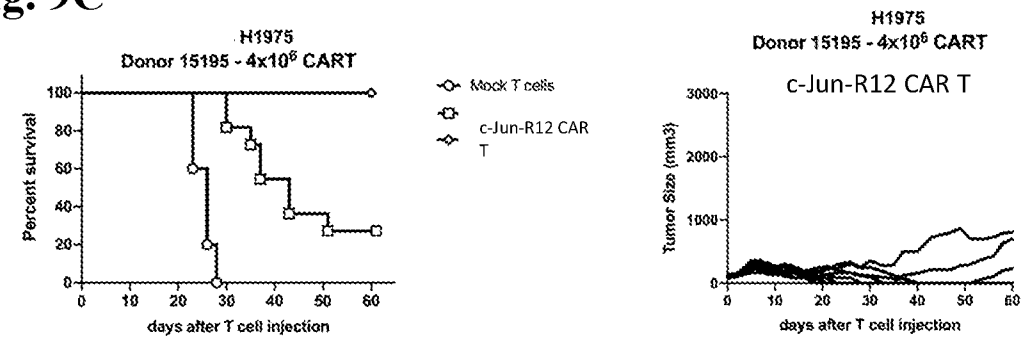


Fig. 9C



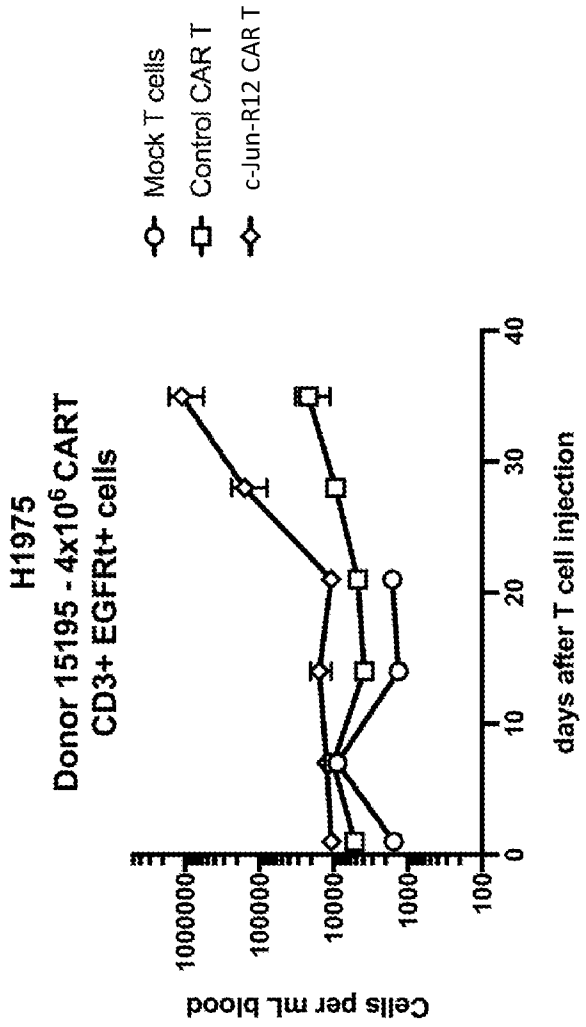

H1975
Donor 15195 - 4x10^6 CART
CD3+ EGFRt+ cells
Mock T cells
Control CAR T
c-Jun-R12 CAR T
Cells per mL blood
1000000
100000
10000
1000
100
0
10
20
30
40
days after T cell injection

Fig. 10