

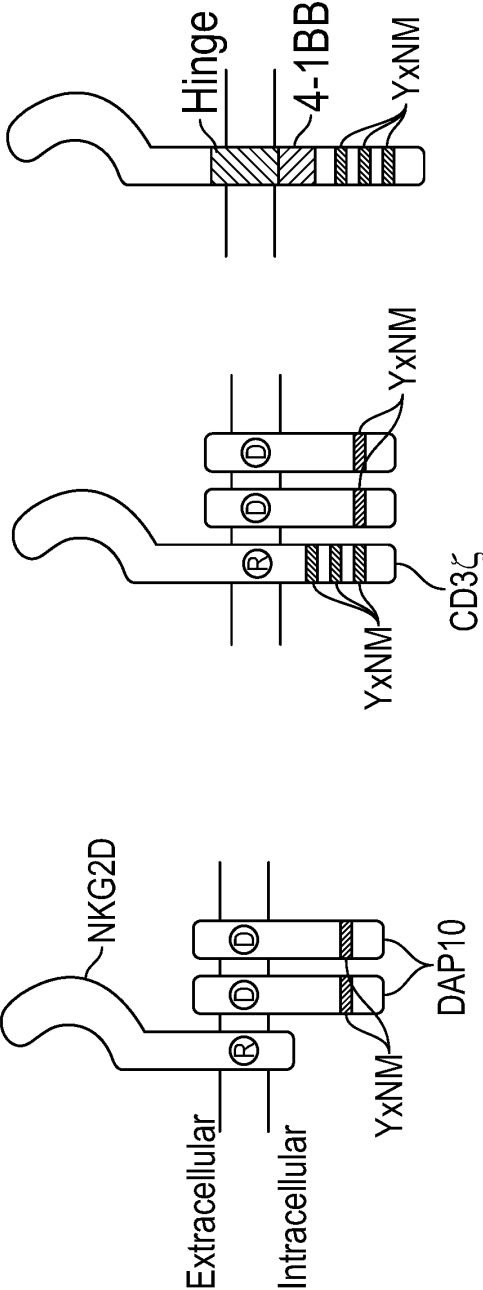


FIG. 1C

FIG. 1B

FIG. 1A

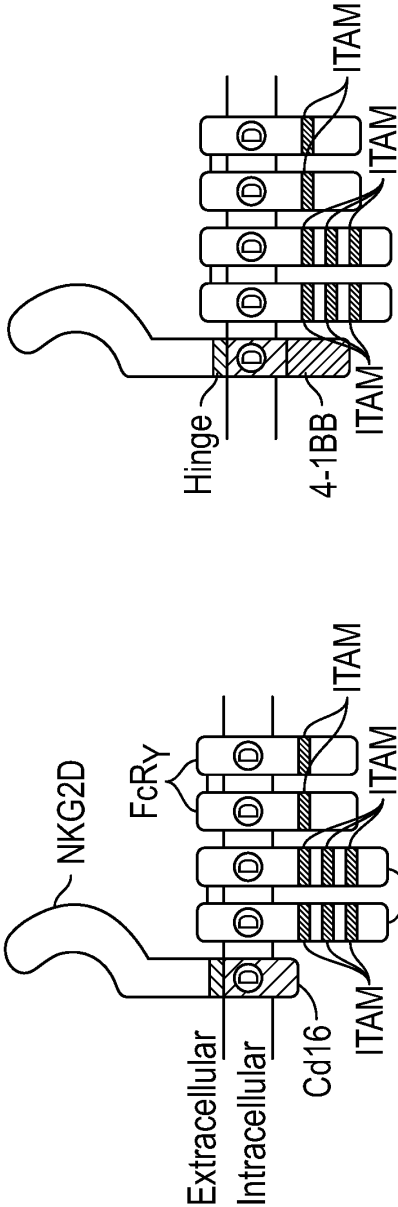
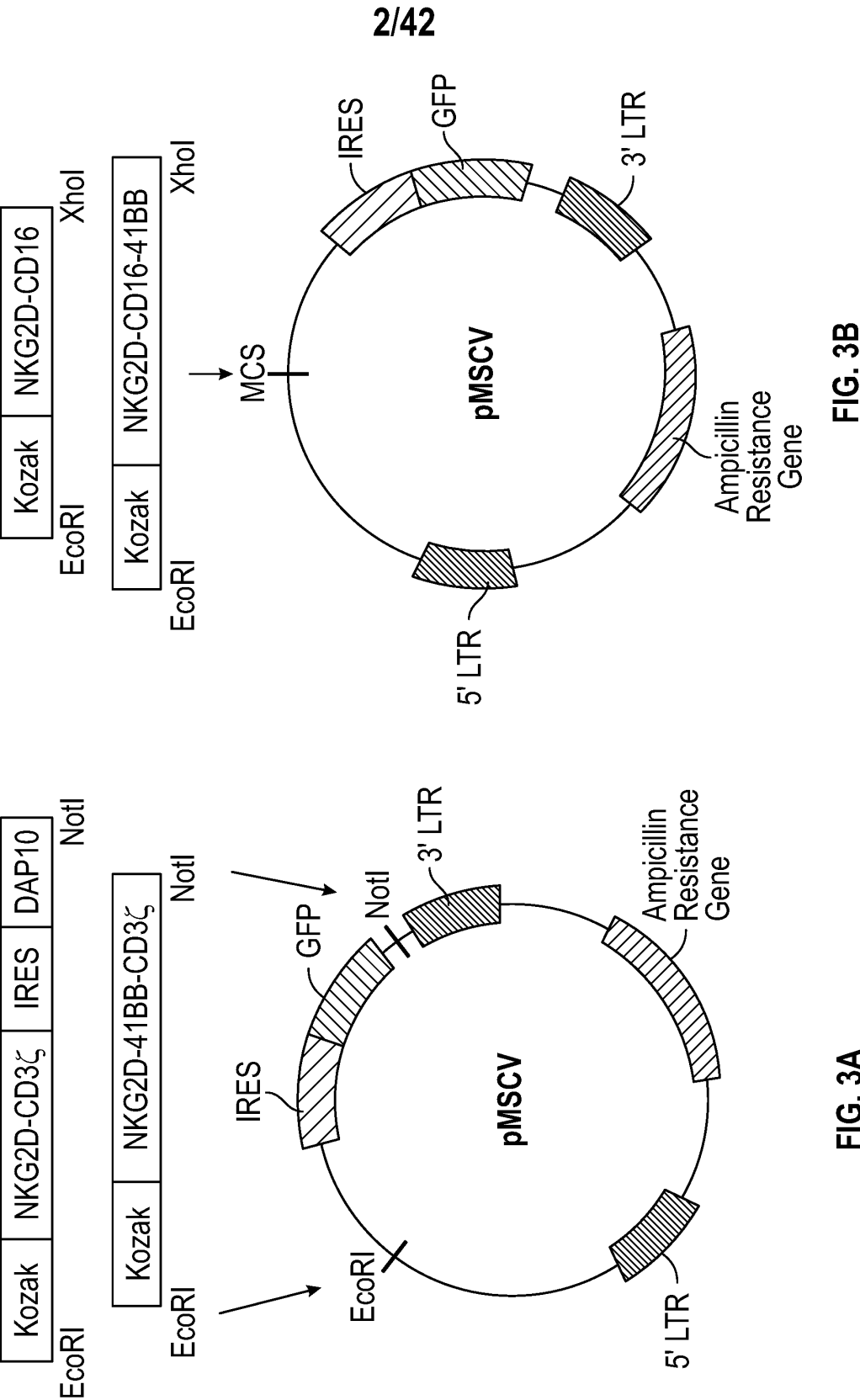


FIG. 2B

FIG. 2A



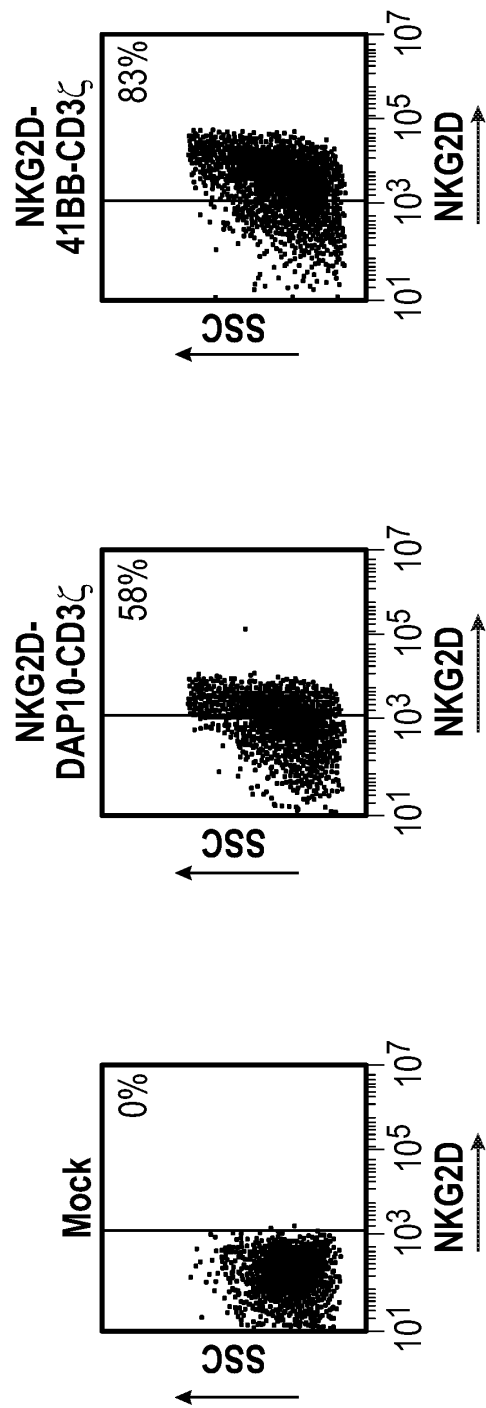
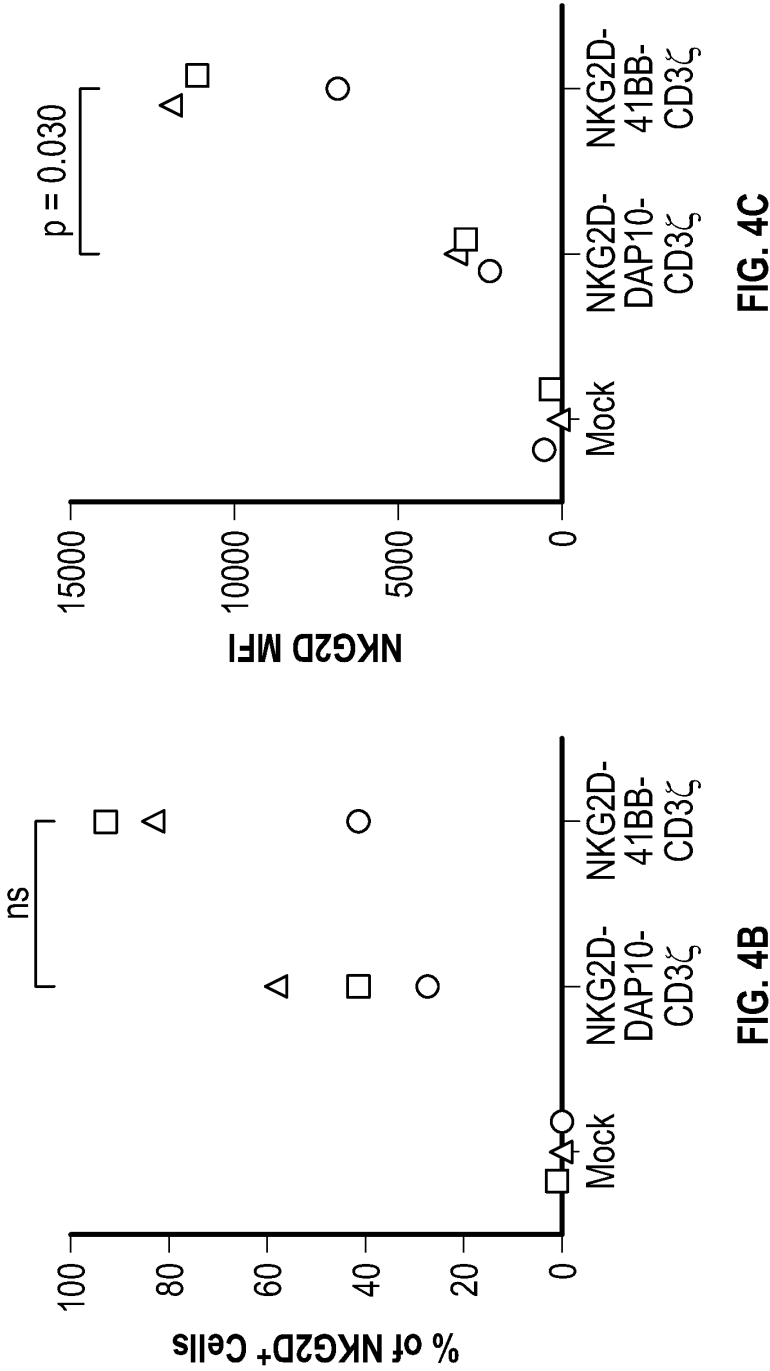
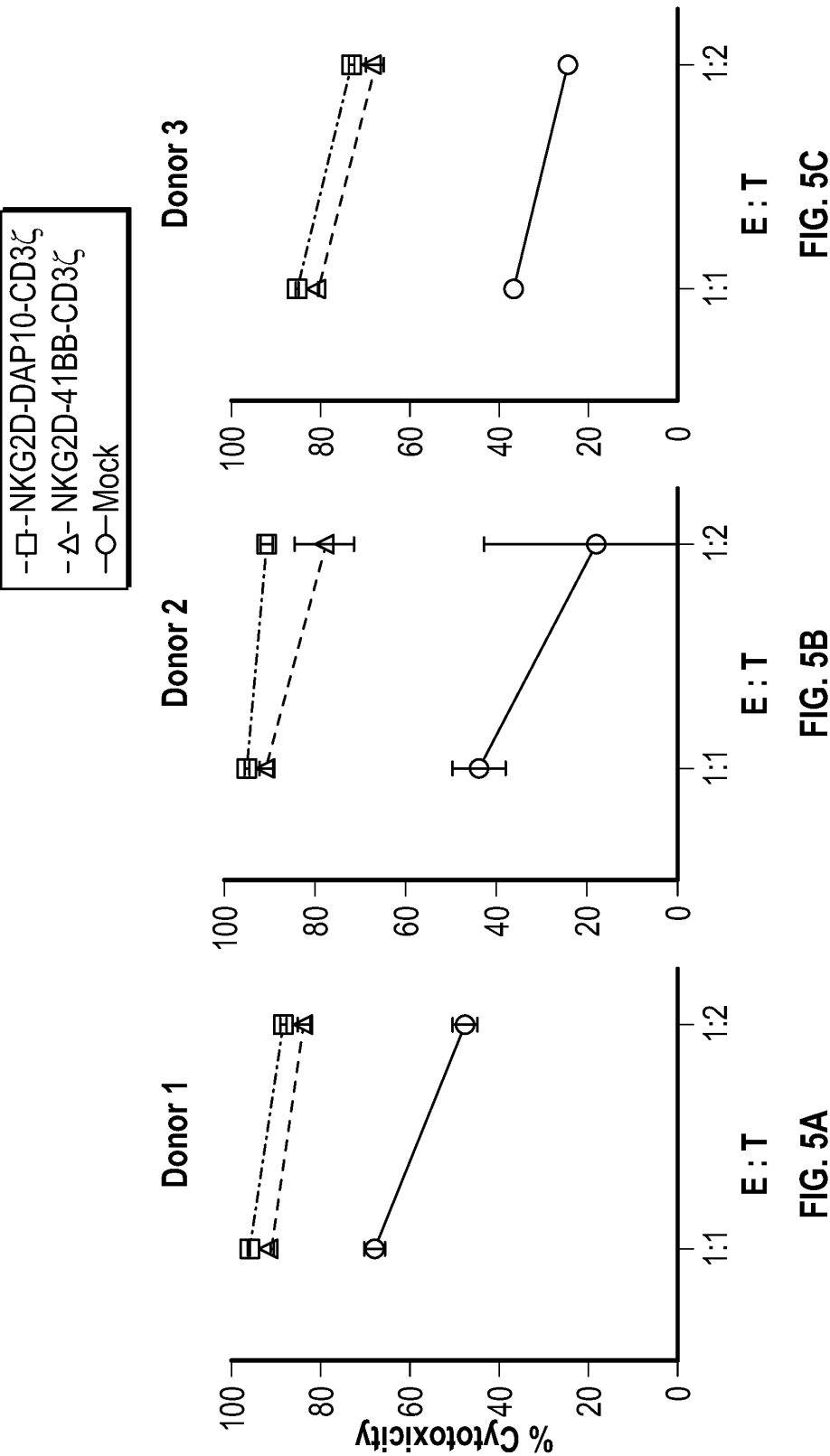
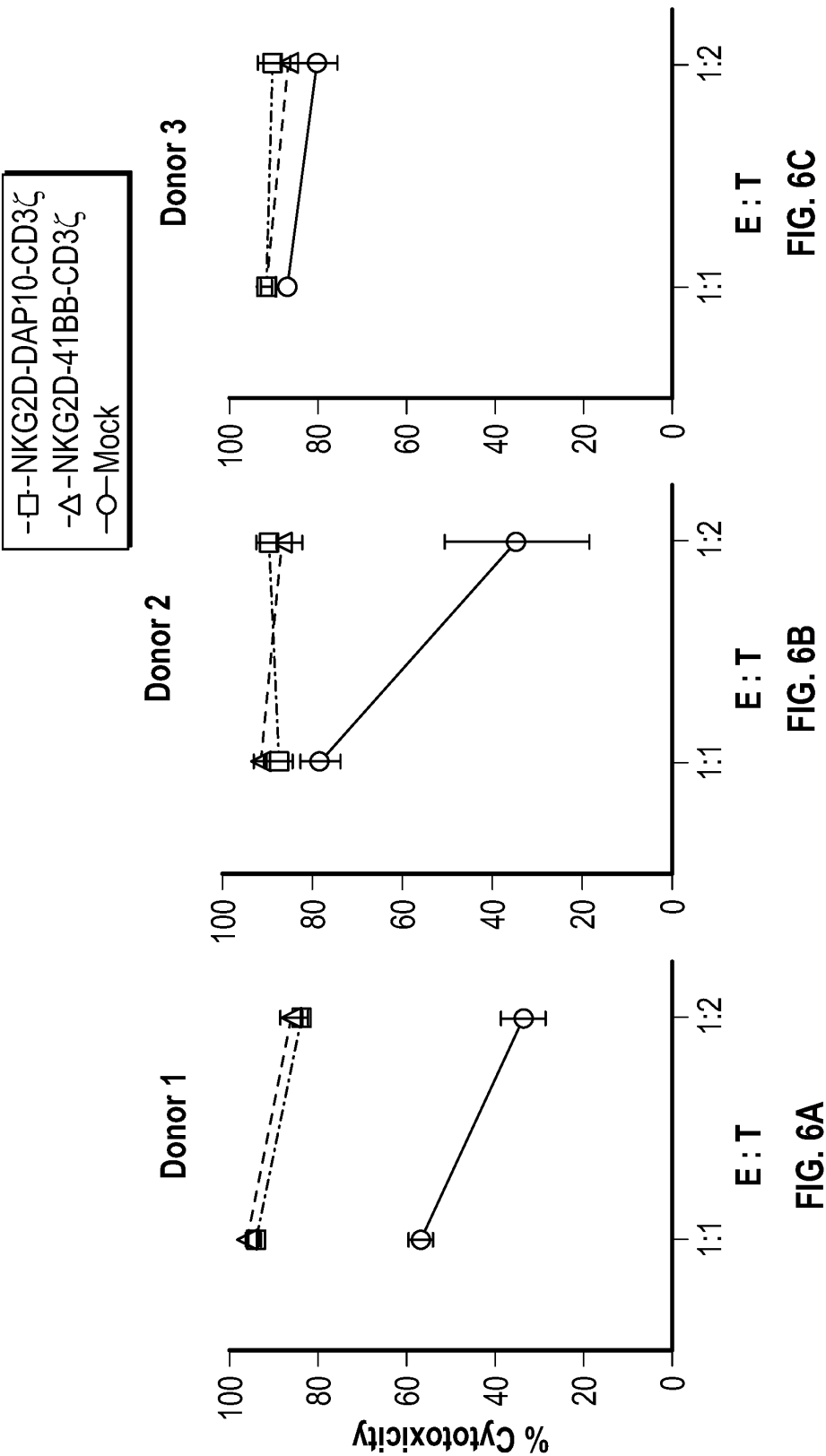


FIG. 4A







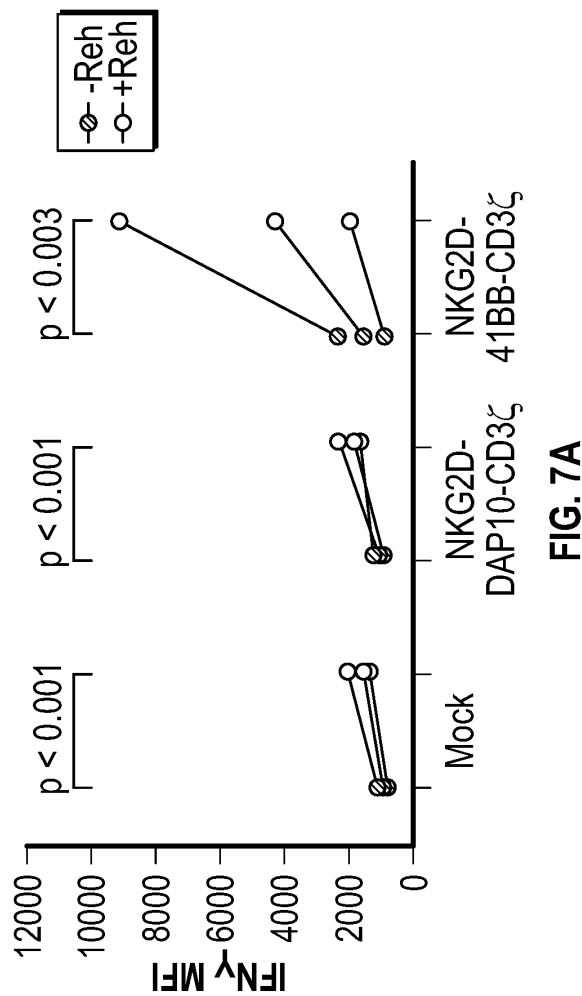


FIG. 7A

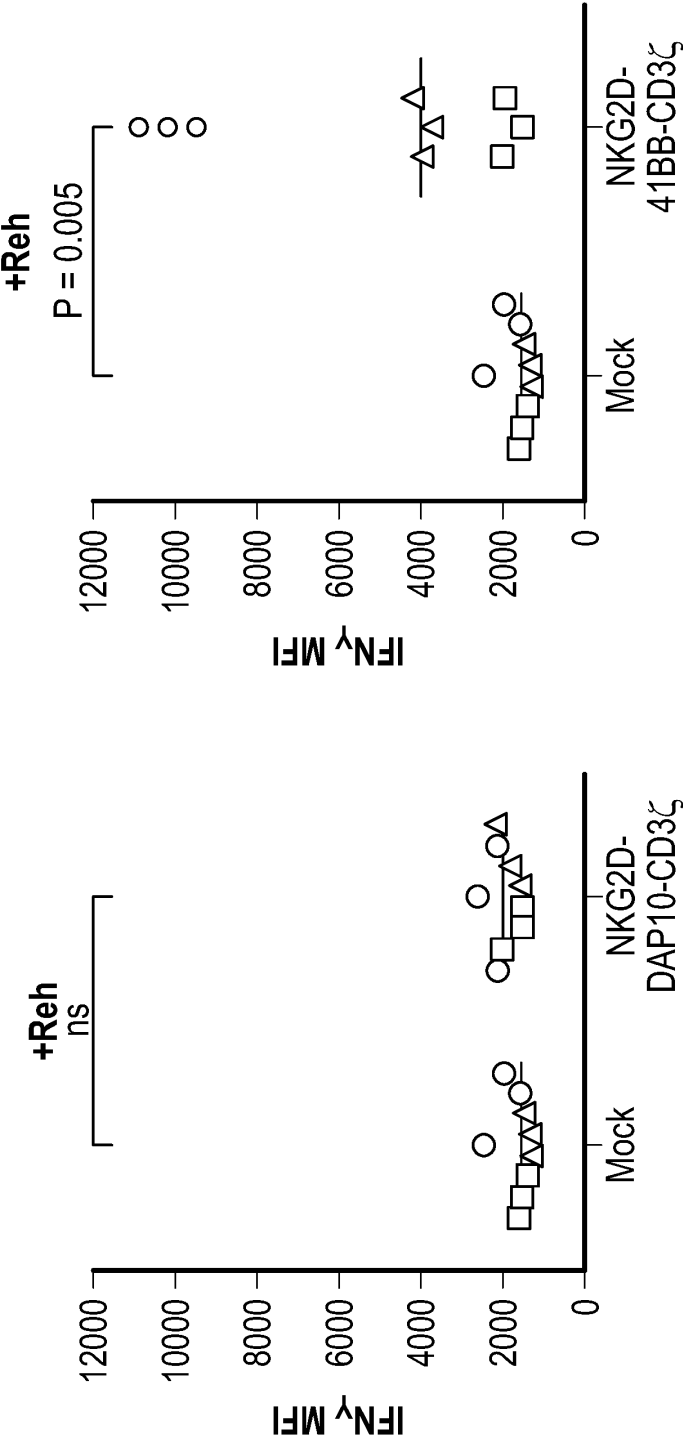
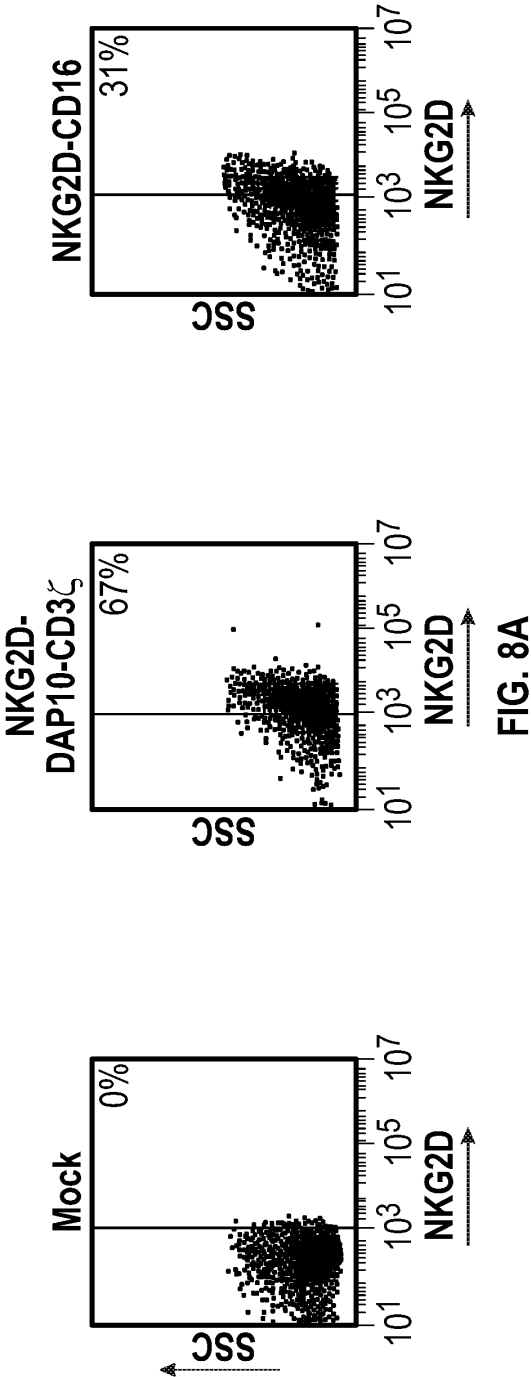


FIG. 7B



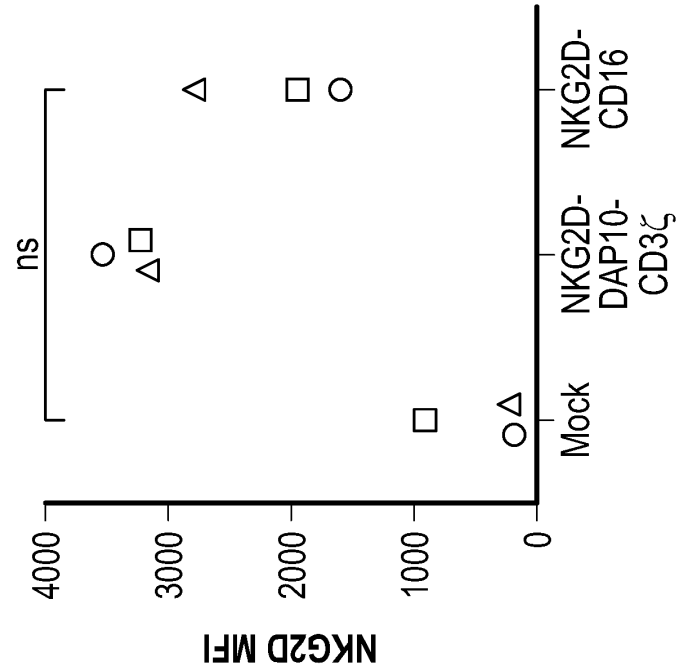


FIG. 8C

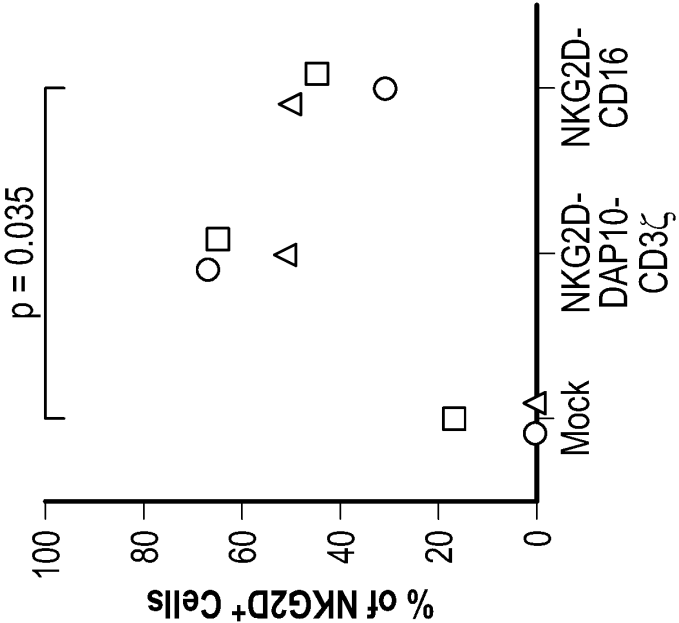
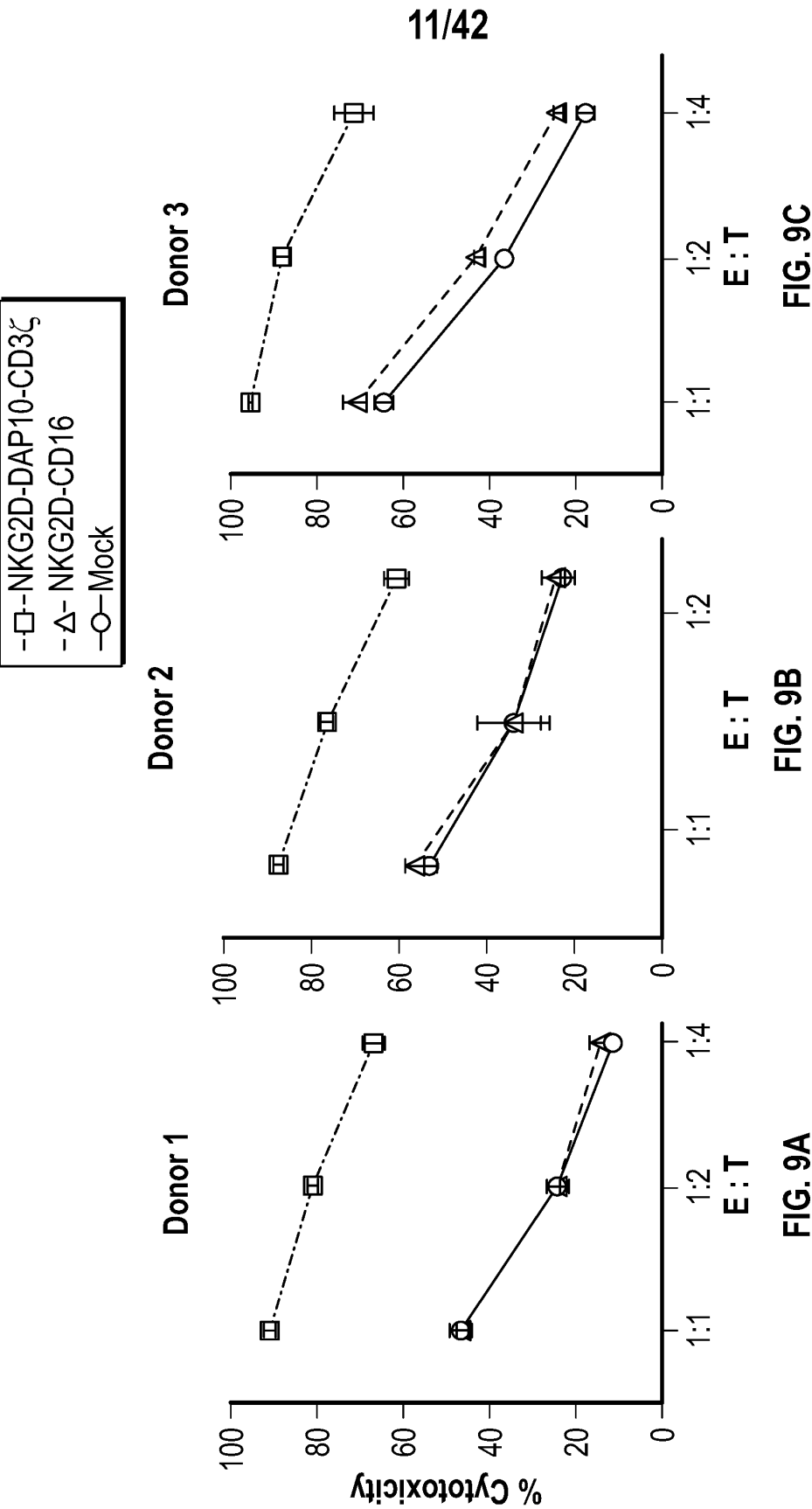
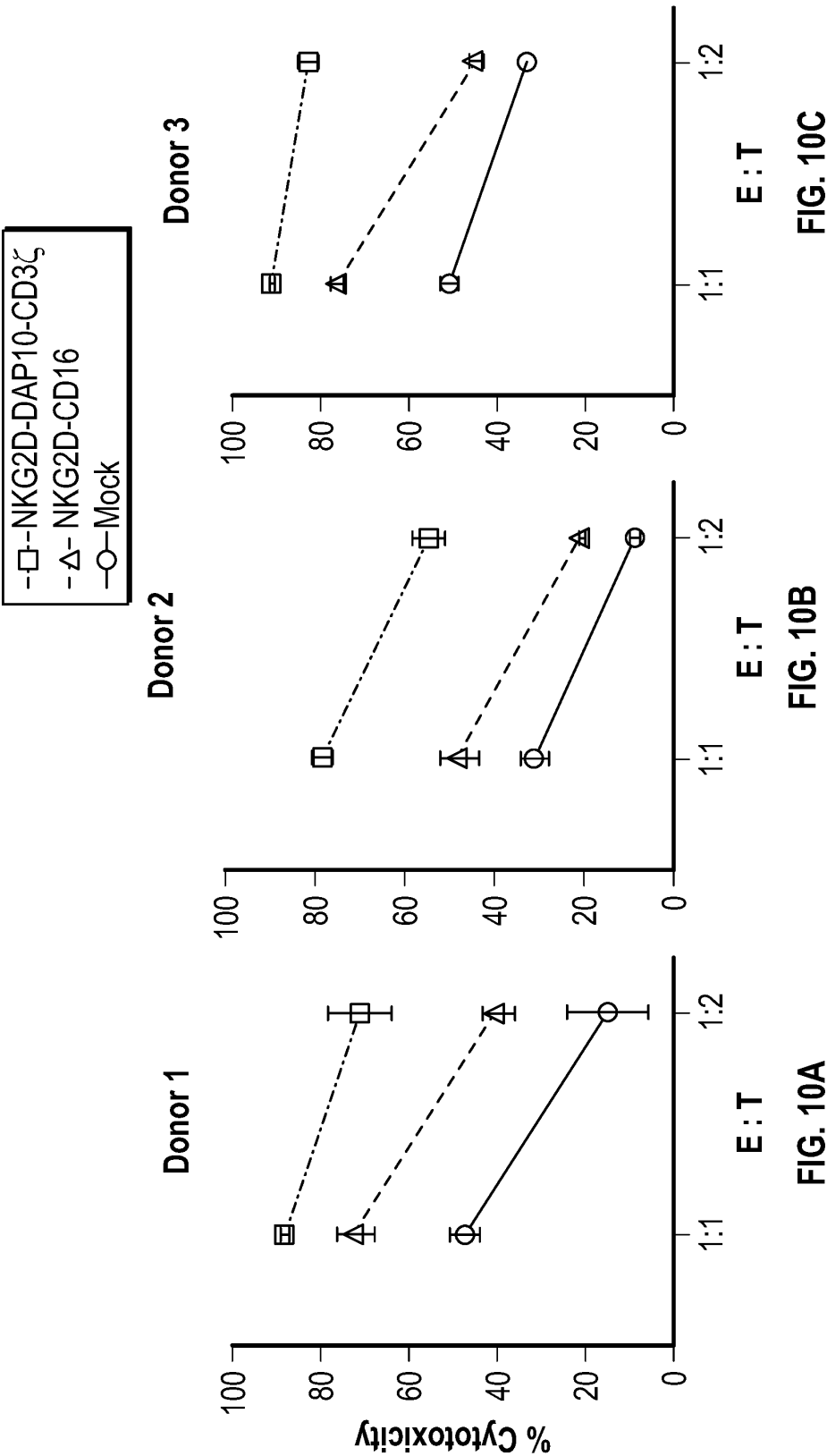


FIG. 8B



12/42



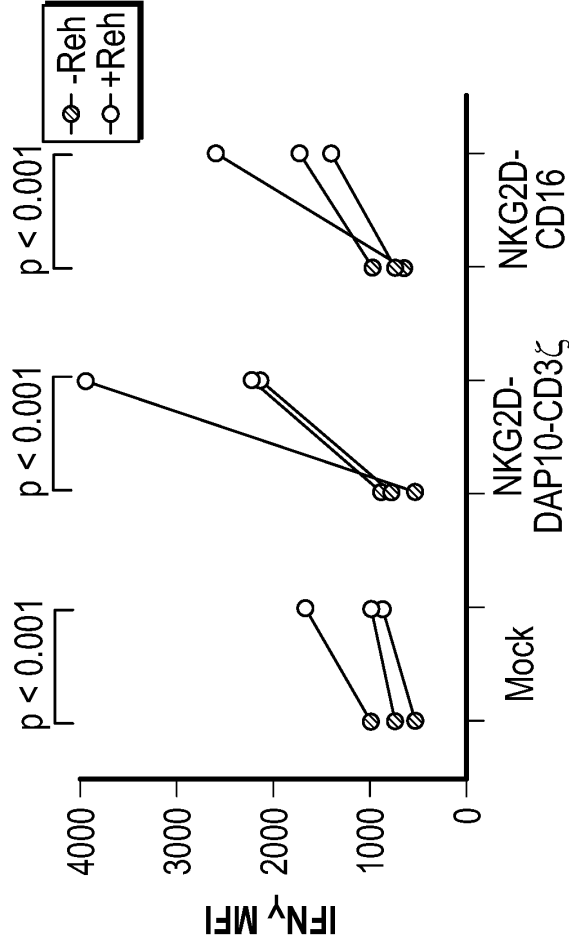


FIG. 11

14/42

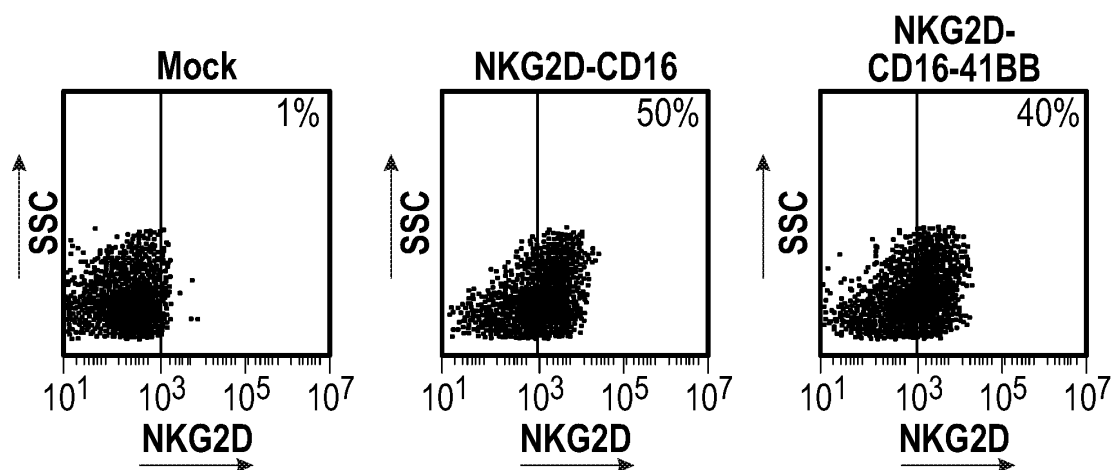


FIG. 12A

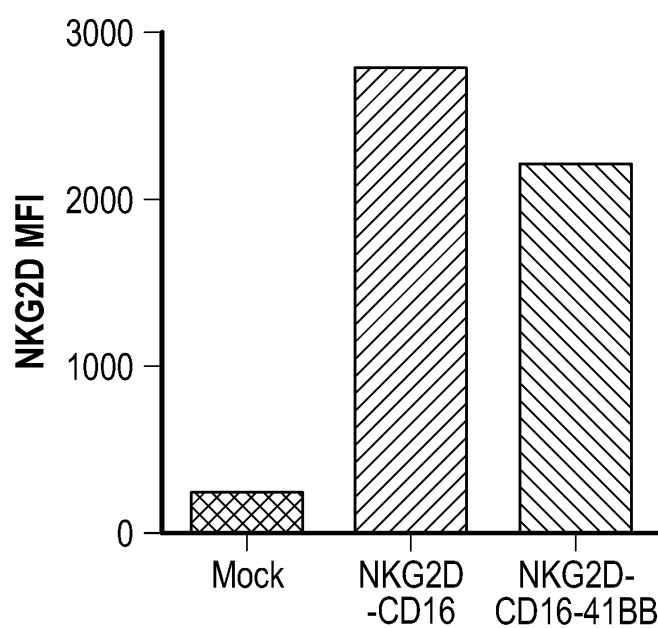
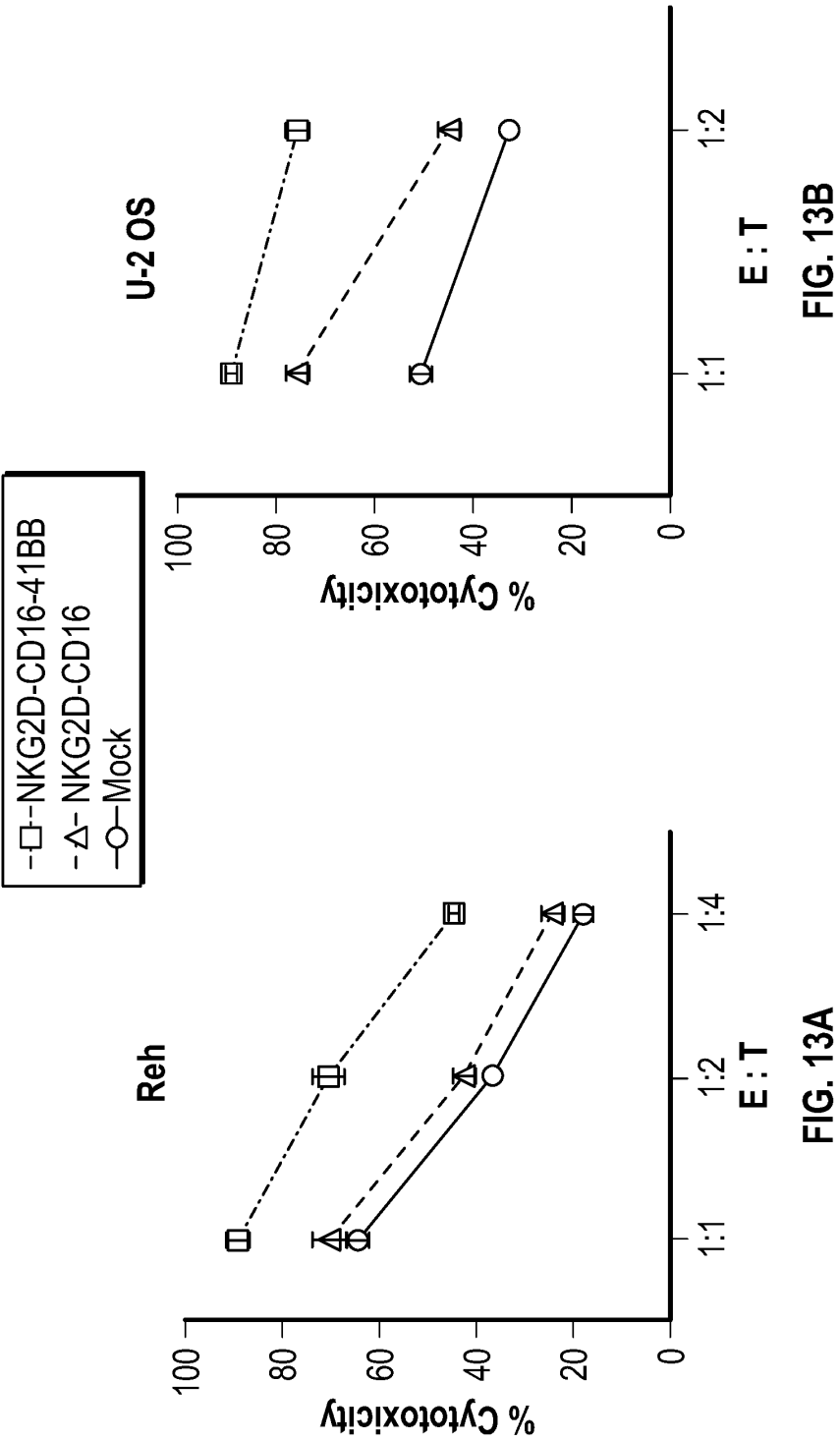


FIG. 12B



NK15	NKG2D EC (Codon Optimized)	CD8 α Hinge	CD16 TM/IC	4-1BB
Variant 1	NKG2D EC (Codon Optimized)	GS ₃ CD8 α Hinge	CD16 TM/IC	4-1BB
Variant 2	NKG2D EC (Codon Optimized)	GS ₃ CD16 TM/IC	4-1BB	
Variant 3	NKG2D EC (Codon Optimized)	CD16 TM/IC	4-1BB	
Variant 4	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB 2B4
Variant 5	NKG2D EC	ADRB2 EC	ADRB2 TM	4-1BB 2B4
Variant 6	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB 2B4 GS ₃ NKp80
Variant 7	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB GS ₃ NKp80
Variant 8	NKG2D EC (Codon Optimized)	GS ₃ NKG2D EC	ADRB2 EC	ADRB2 TM 4-1BB GS ₃ NKp80
Variant 9	NKG2D EC (Codon Optimized)	GS ₃ NKG2D EC	CD8 α Hinge	CD8 α TM 4-1BB GS ₃ NKp80
Variant 10	NKG2D EC (Codon Optimized)	GS ₃ NKG2D EC	CD8 α Hinge	CD16 TM/IC 4-1BB
Variant 11	NKG2D EC (Codon Optimized)	CD8 α Hinge	CD16 TM/IC	4-1BB 2B4
Variant 12	NKG2D EC (Codon Optimized)	CD8 α Hinge	CD16 TM/IC	4-1BB GS ₃ NKp80

FIG. 14

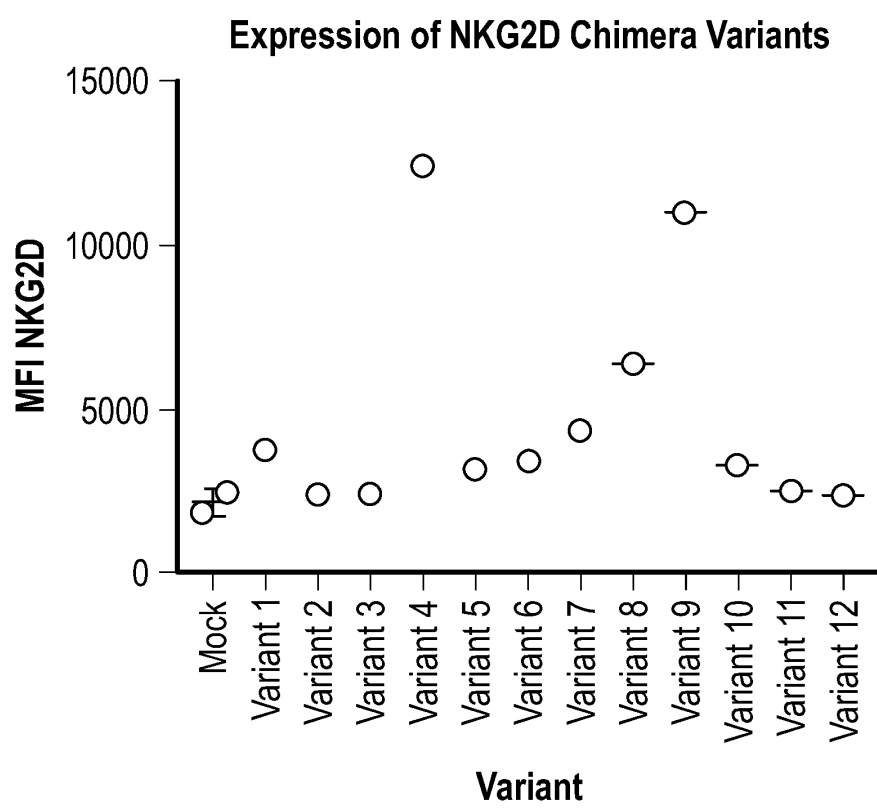
NK16	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB	CD3 ζ ITAM
Variant 13	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB 2B4	CD3 ζ ITAM
Variant 14	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB	DAP10 IC
Variant 15	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB	DAP10 IC 2B4
Variant 16	NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB 2B4	DAP10 IC
Variant 17	NKG2D EC (Codon Optimized)	GS ₃ NKG2D EC	CD8 α Hinge	CD8 α TM	4-1BB CD3 ζ ITAM
Variant 18 (NK39)	NKG2D EC (Codon Optimized)	CD8 α Hinge	CD3 ζ TM	CD16 IC	4-1BB
NK39_1	NKG2D EC (Codon Optimized)	GS ₃ NKG2D EC	CD8 α Hinge	CD3 ζ TM	CD16 IC 4-1BB 2A mL-15
NK39_2	NKG2D EC	CD8 α Hinge	CD3 ζ TM	CD16 IC	4-1BB GS ₃ NKp80 2A mL-15

FIG. 15

NK39_3	NKG2D EC (Codon Optimized)	GS ₃	NKG2D EC	CD8α Hinge	CD3ζ TM	CD16 IC	4-1BB	GS ₃	NKp80	mIL-15
NK39_4	NKG2D EC (Codon Optimized)	CD8α Hinge	CD3ζ TM	4-1BB	2A	mIL-15				
NK39_5	NKG2D EC (Codon Optimized)	CD8α Hinge	CD3ζ TM	4-1BB	CD3Zeta	2A	mIL-15			
NK39_6	NKG2D EC (Codon Optimized)	CD8α Hinge	CD3ζ TM	4-1BB	GS ₃	NKp80	2A	mIL-15		
NK39_7	NKG2D EC (Codon Optimized)	CD8α Hinge	CD3ζ TM	4-1BB	GS ₃	CD16 IC	2A	mIL-15		
NK39_8		NKG2D EC	CD8α Hinge	CD3ζ TM	4-1BB	FC Gamma	2A	mIL-15		
NK39_9		IL-15	GS ₃	NKG2D EC	CD8α Hinge	CD8α TM	4-1BB	Cd3ζ ITAM		
NK39_10	NKG2D EC (Codon Optimized)	CD8α Hinge	CD3ζ TM	CD16 IC	4-1BB	2A	mIL-15			
NK16_7	NKG2D EC (Codon Optimized)	GS ₃	NKG2D EC	CD8α Hinge	CD8α TM	4-1BB	Cd3ζ ITAM	2A	mIL-15	

FIG. 15
(Continued)

19/42

**FIG. 16A**

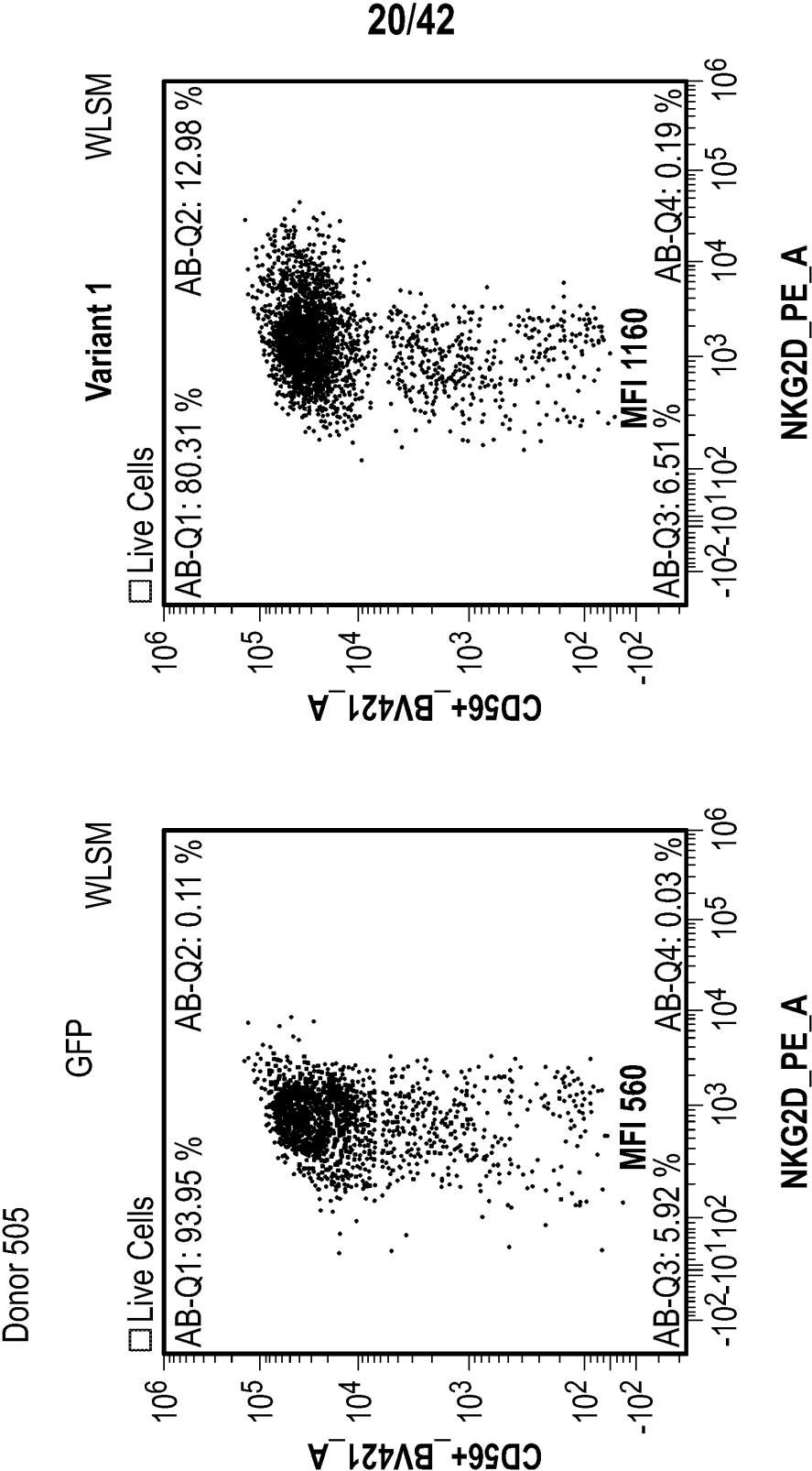


FIG. 16B

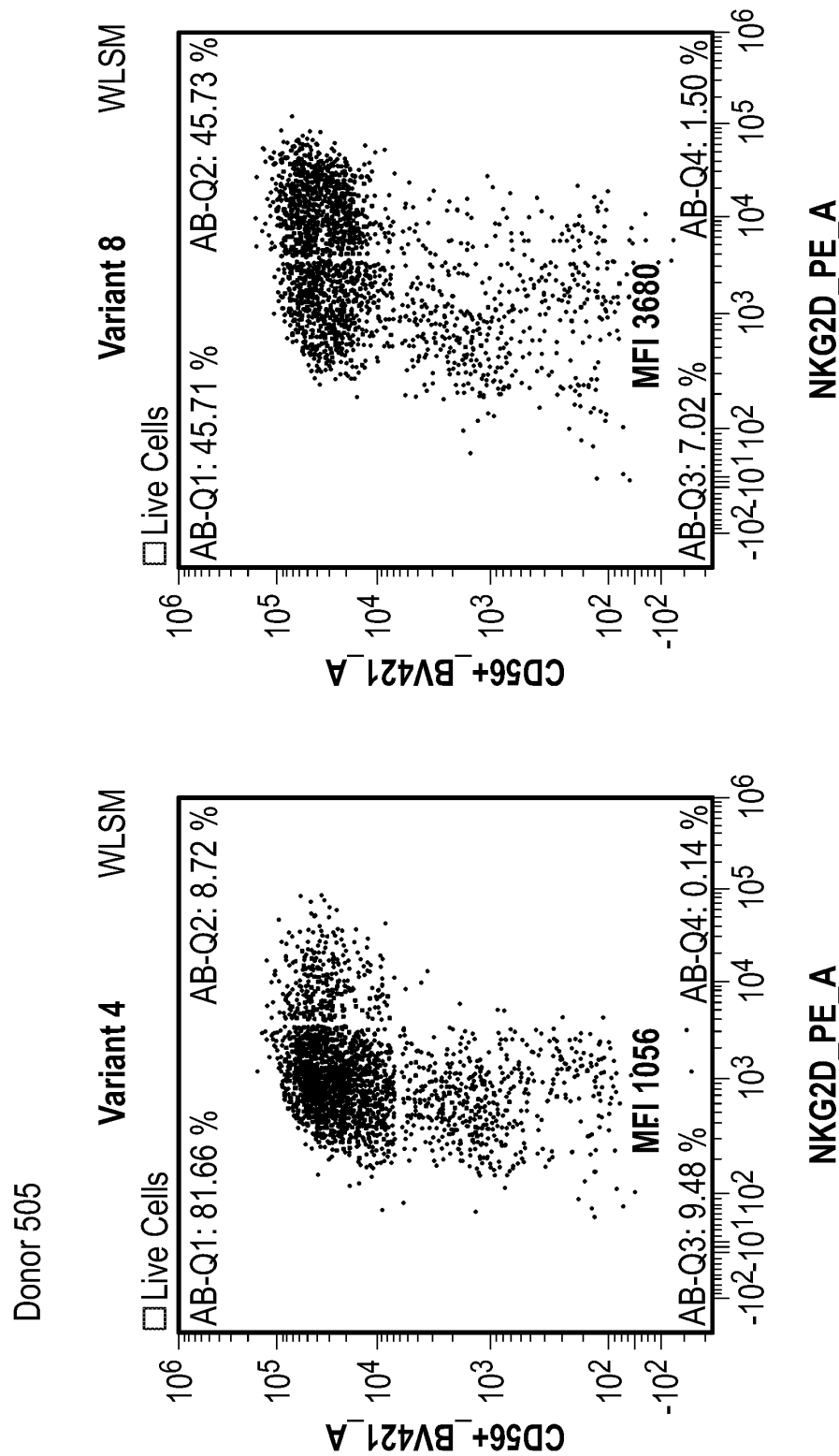


FIG. 16B
(Continued)

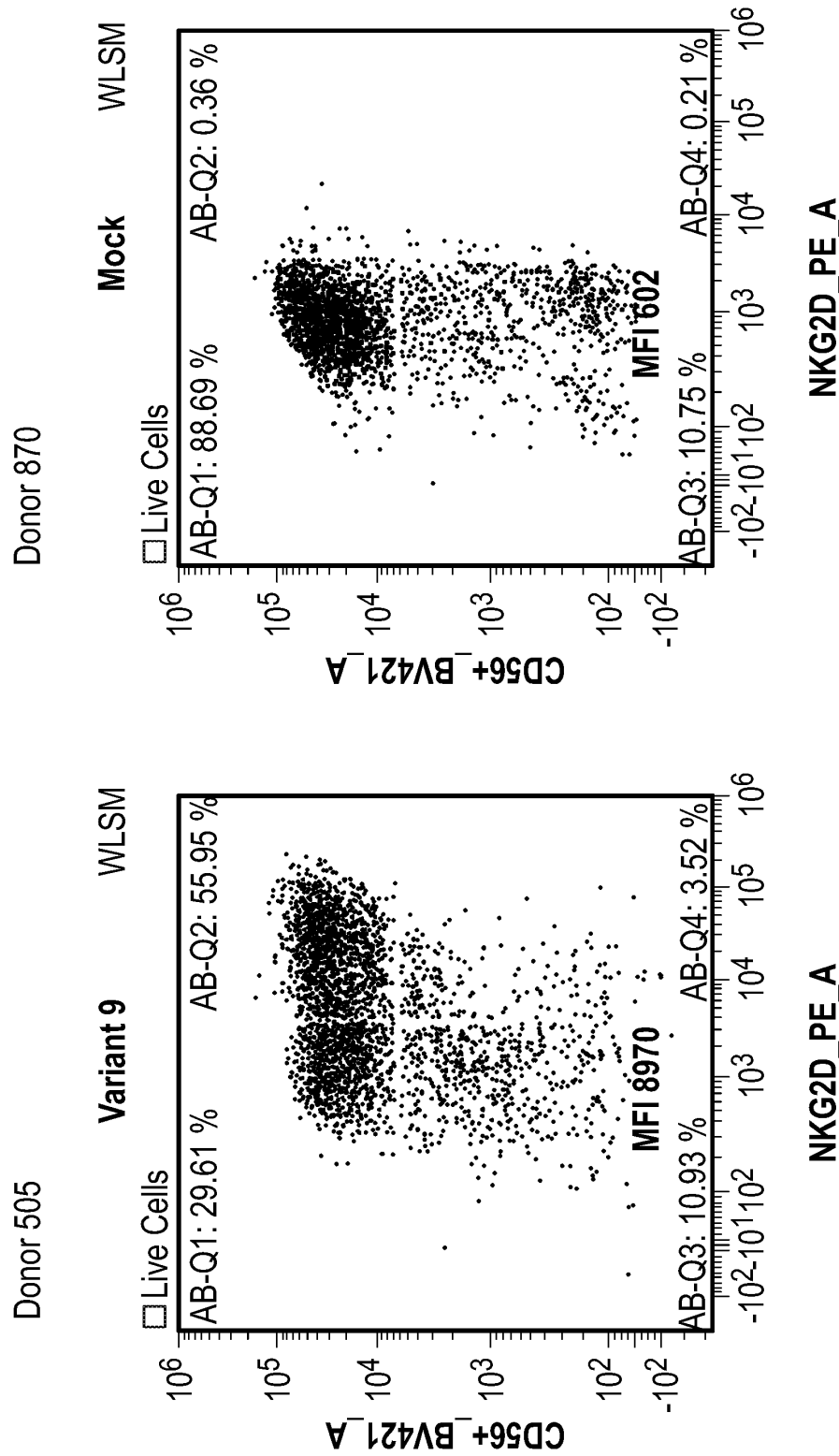


FIG. 16B
(Continued)

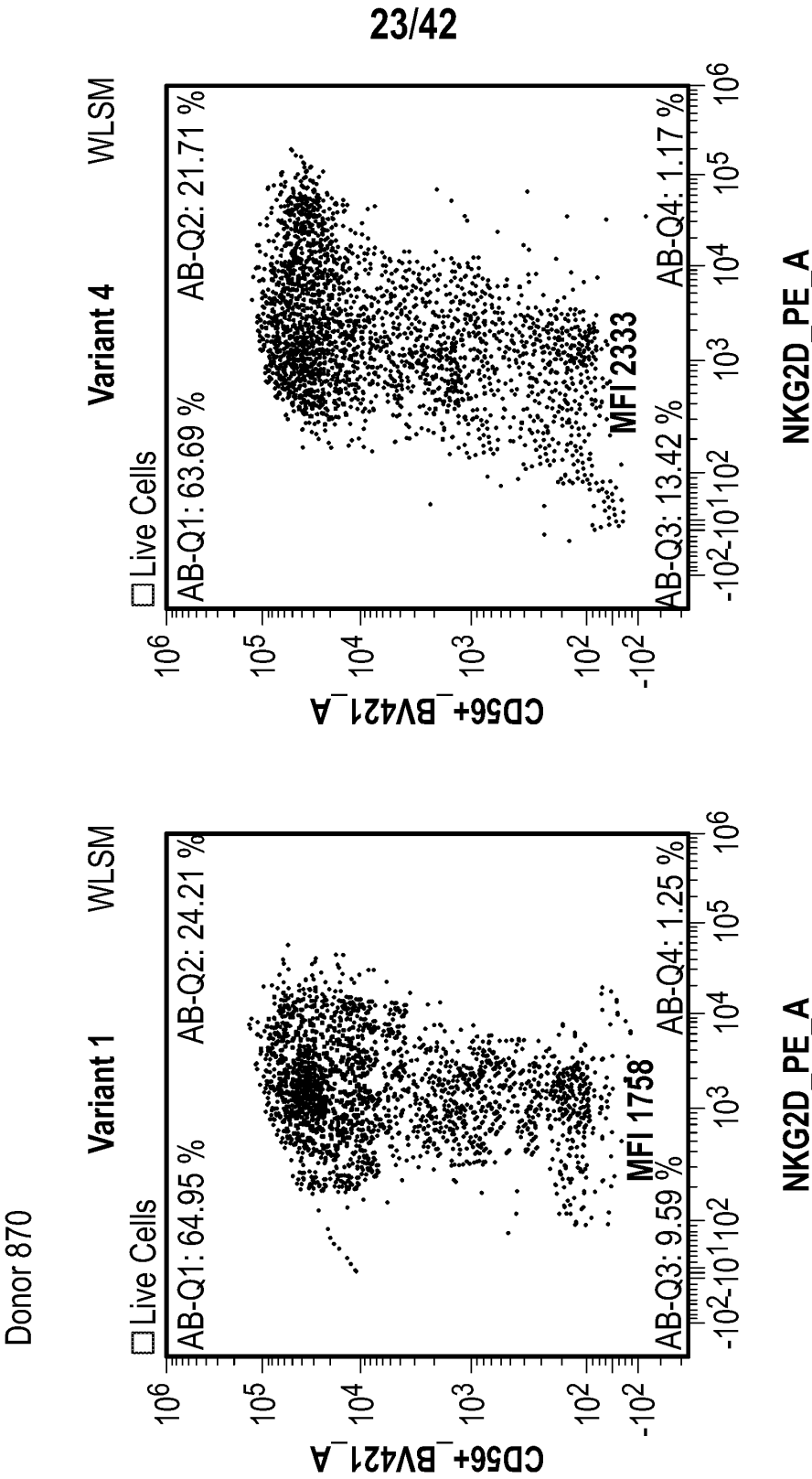


FIG. 16B
(Continued)

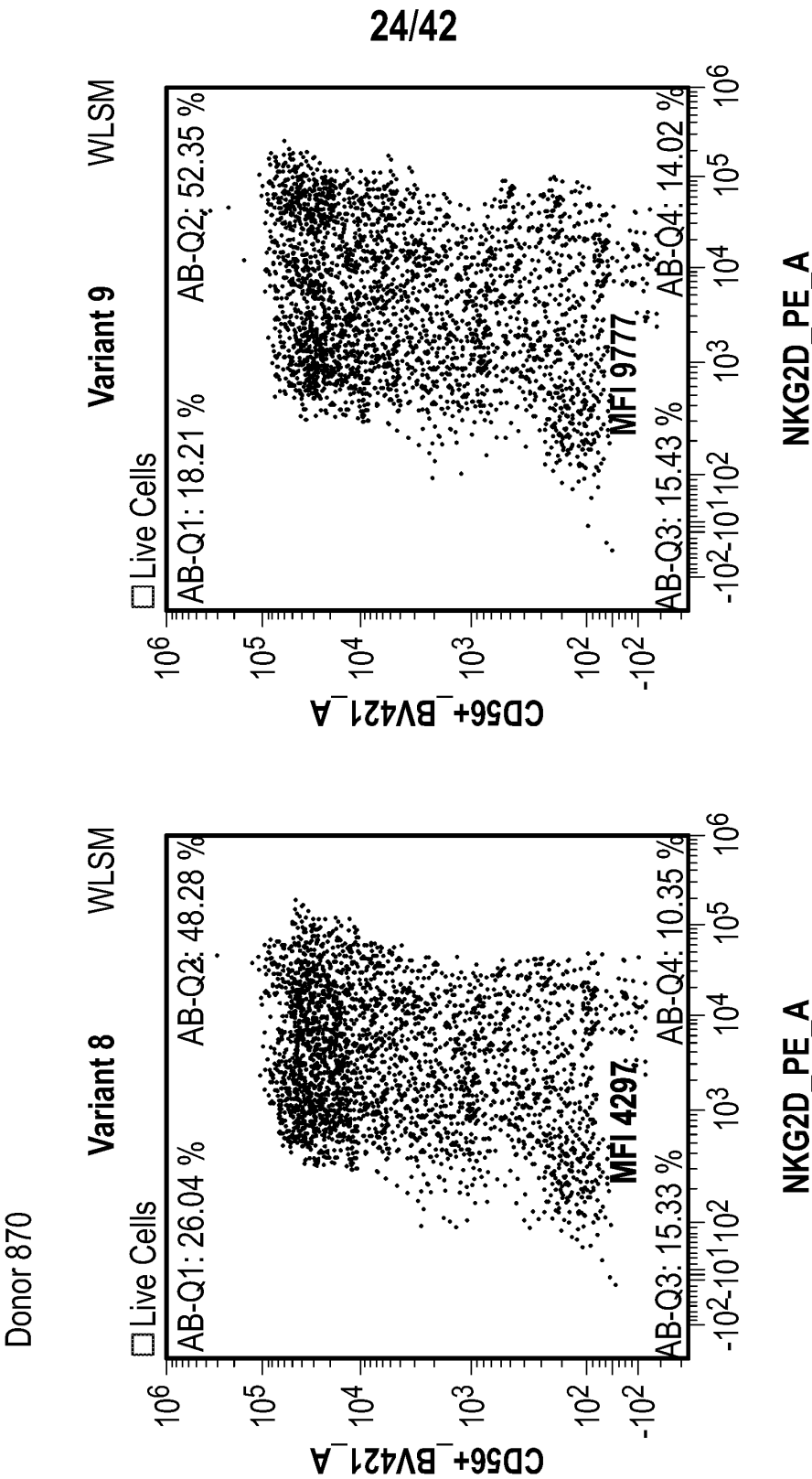
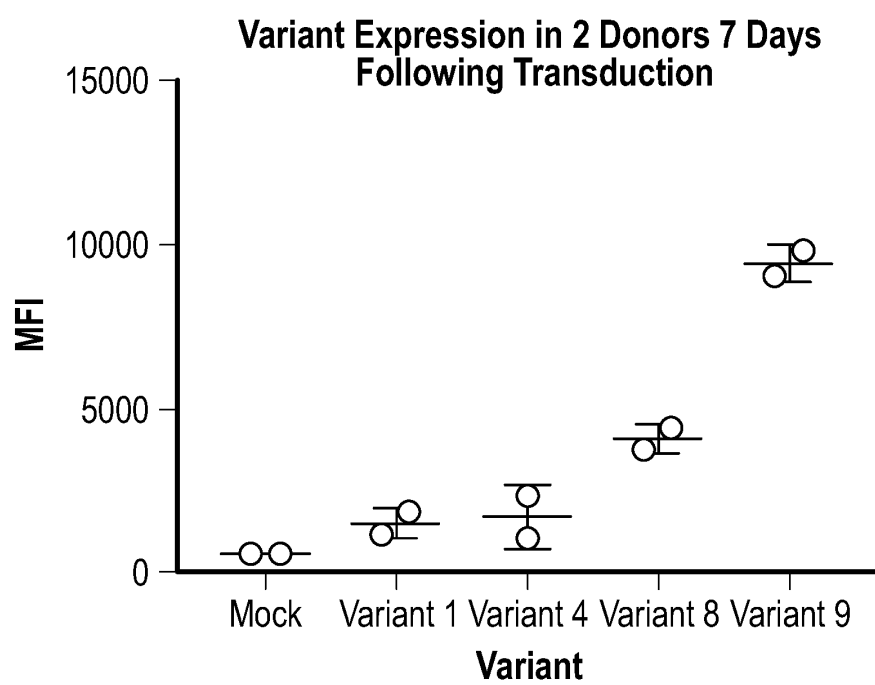
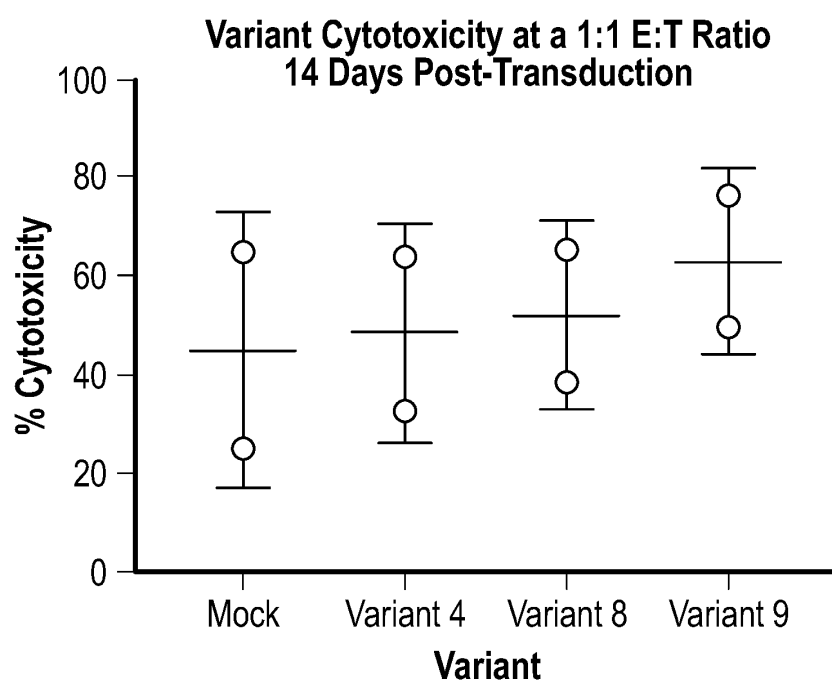


FIG. 16B
(Continued)

25/42

**FIG. 16C**

26/42

**FIG. 17**

27/42

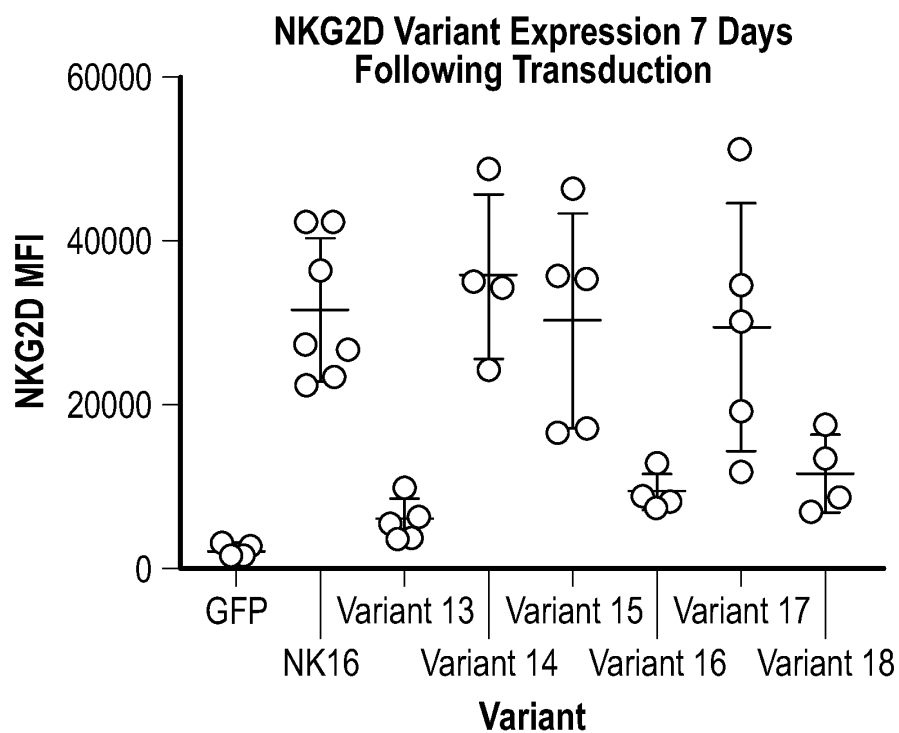


FIG. 18A

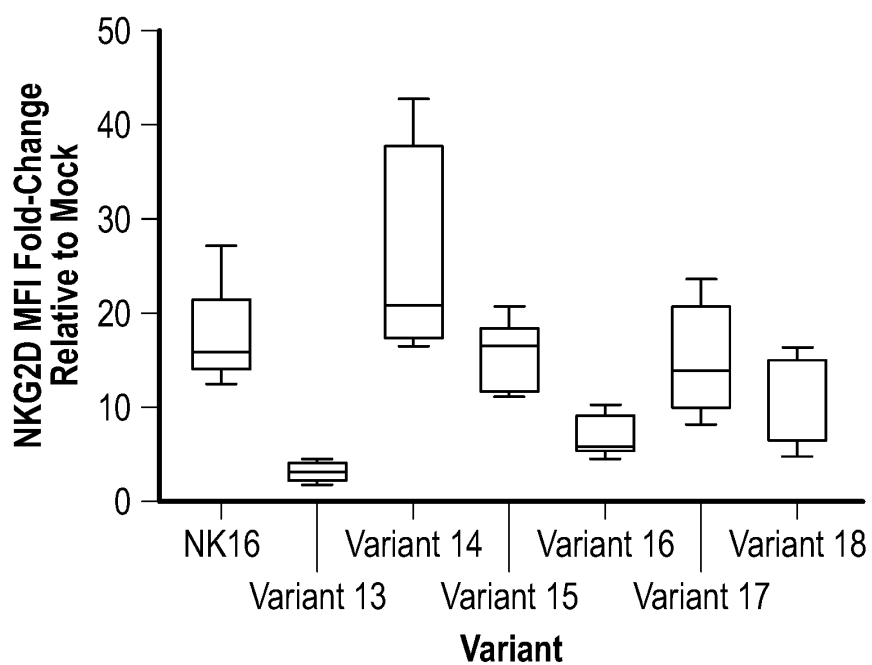
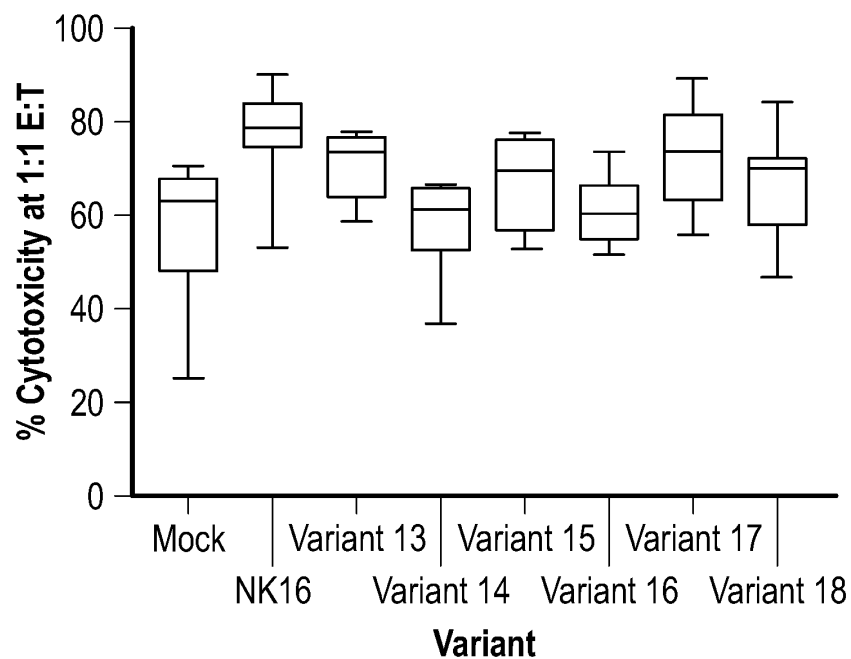
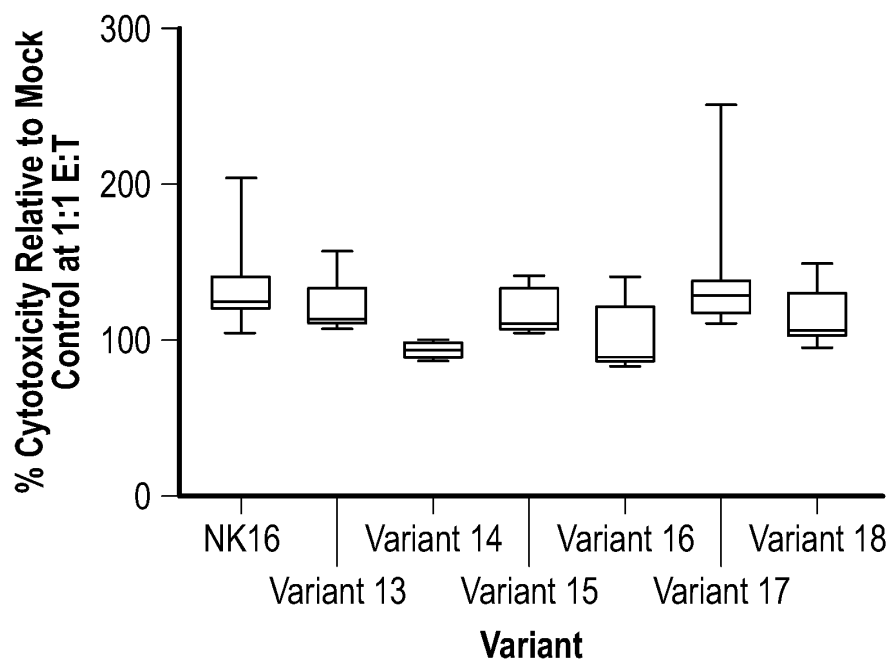


FIG. 18B

28/42**FIG. 19A****FIG. 19B**

29/42

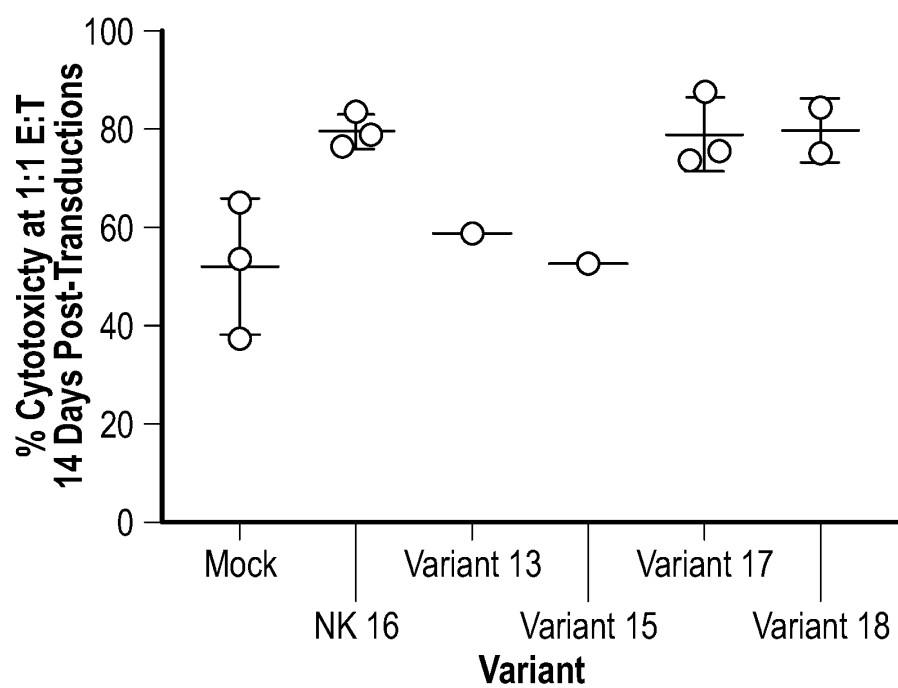


FIG. 20

30/42

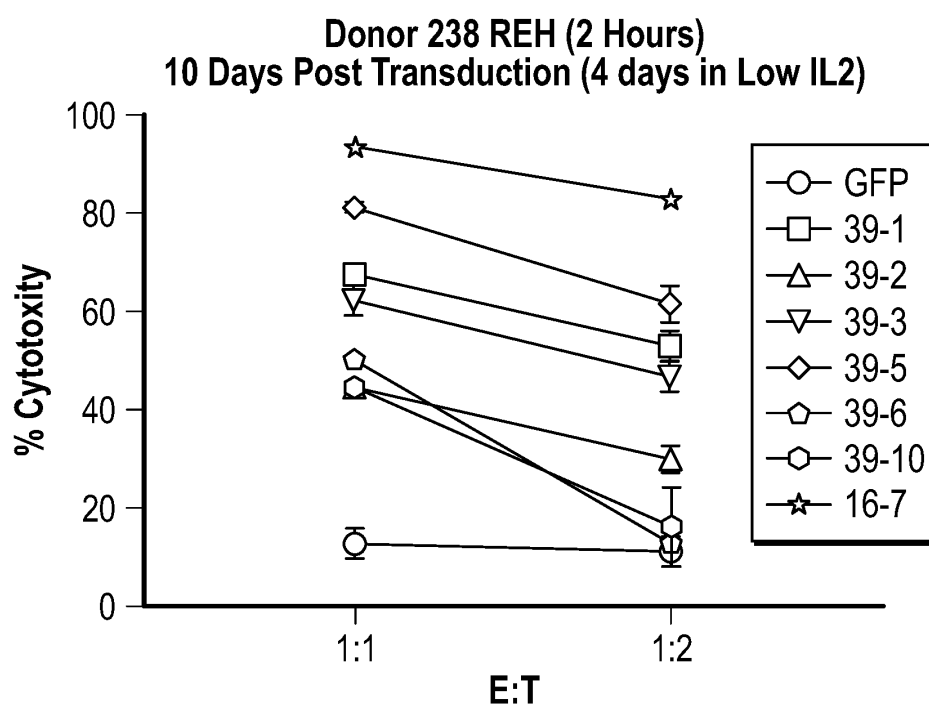
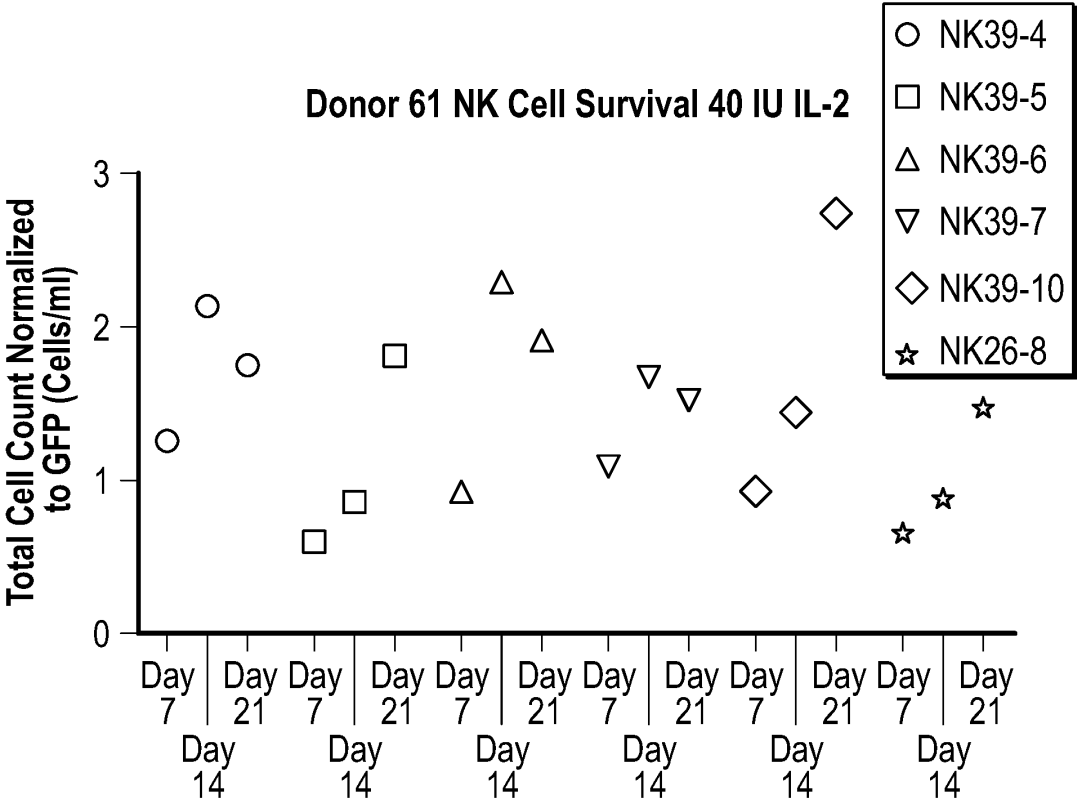


FIG. 21

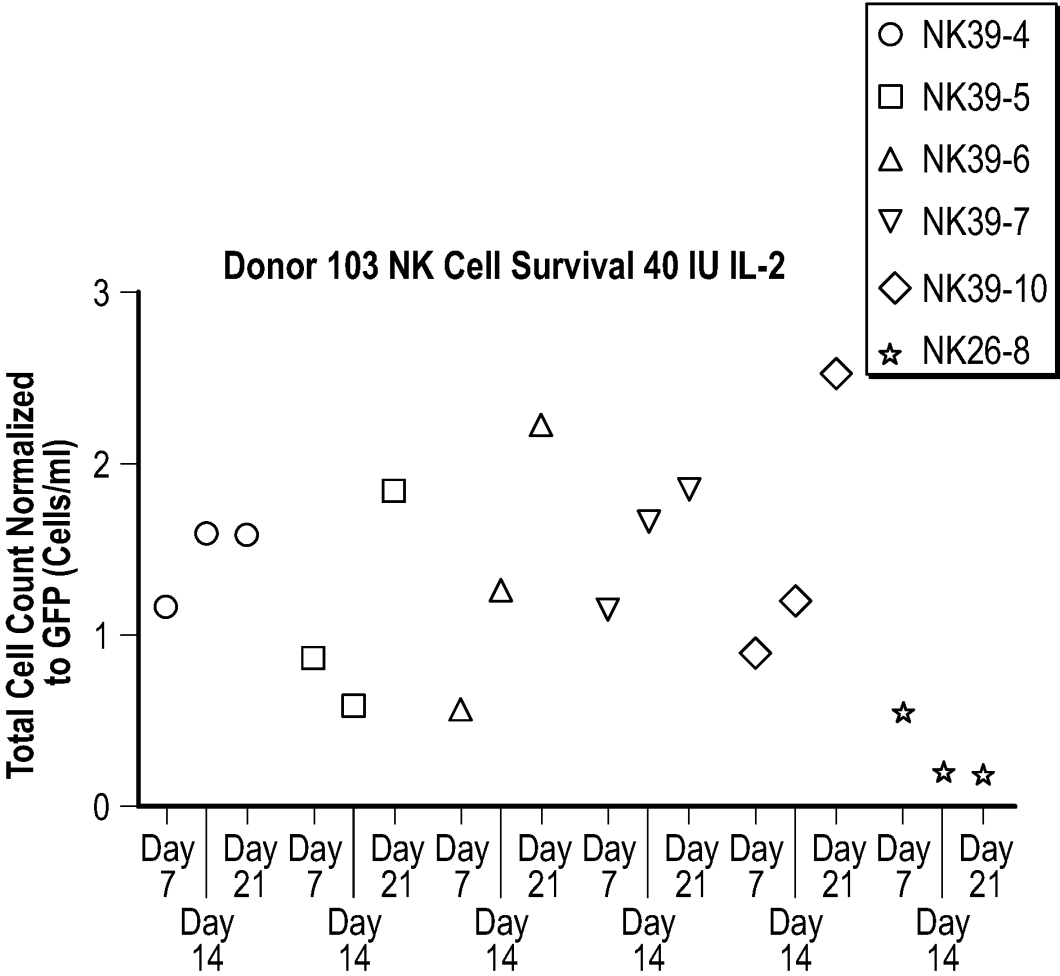
NK45-1	NKG2D(Short Hinge) - 41BB - CD3z IgG4 Hinge: ESKYGPPCPSCP)					
	NKG2D EC	Ig4 SH	CD8 αTM	4-1BB	Cd3ζ ITAM	2A mL- 15
NKG2D-CD28-CD3z						
NK45-2	NKG2D EC	CD8α Hinge	CD28 TM	CD28	Cd3ζ ITAM	2A mL- 15
	NKG2D (SH)-CD28 - CD3z					
NK45-3	NKG2D EC	Ig4SH	CD28 TM	CD28	Cd3ζ ITAM	2A mL- 15
	NKG2D-OX40-CD3z					
NK45-4	NKG2D EC	CD8α Hinge	CD8α TM	OX40	Cd3ζ ITAM	2A mL- 15
	NKG2D (SH)-OX40-CD3z					
NK45-5	NKG2D EC	Ig4SH	CD8α TM	OX40	Cd3ζ ITAM	2A mL- 15
	NKG2D-CD3TM-CD28-CD3z					
NK45-6	NKG2D EC	CD8α Hinge	CD3α TM	CD28	Cd3ζ ITAM	2A mL- 15
	NKG2D-CD28-41BB-CD3z					
NK45-7	NKG2D EC	CD8α Hinge	CD28 TM	CD28	4-1BB	2A mL- 15

FIG. 22



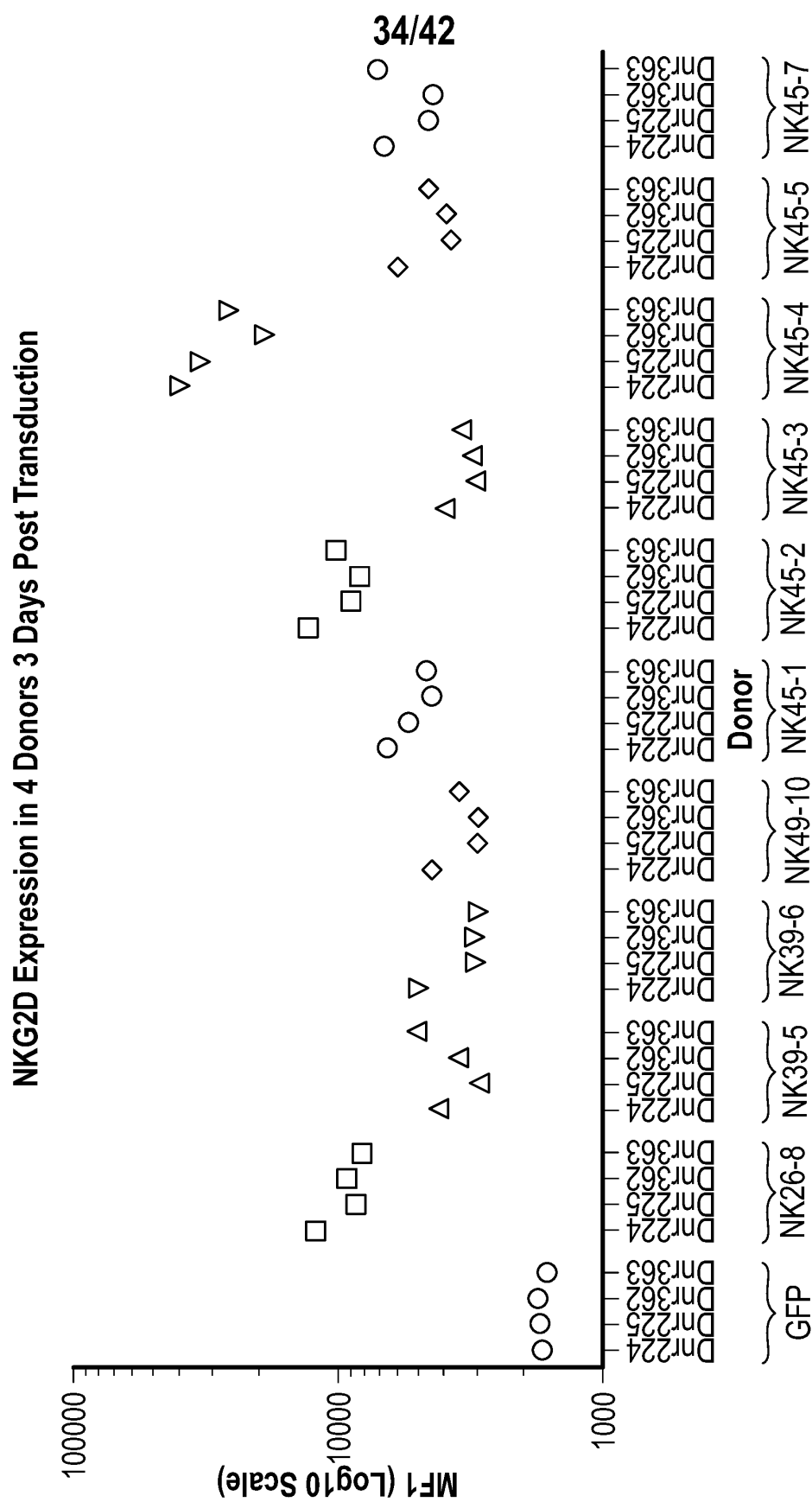
Donor 61

FIG. 23A



Donor 103

FIG. 23B



35/42

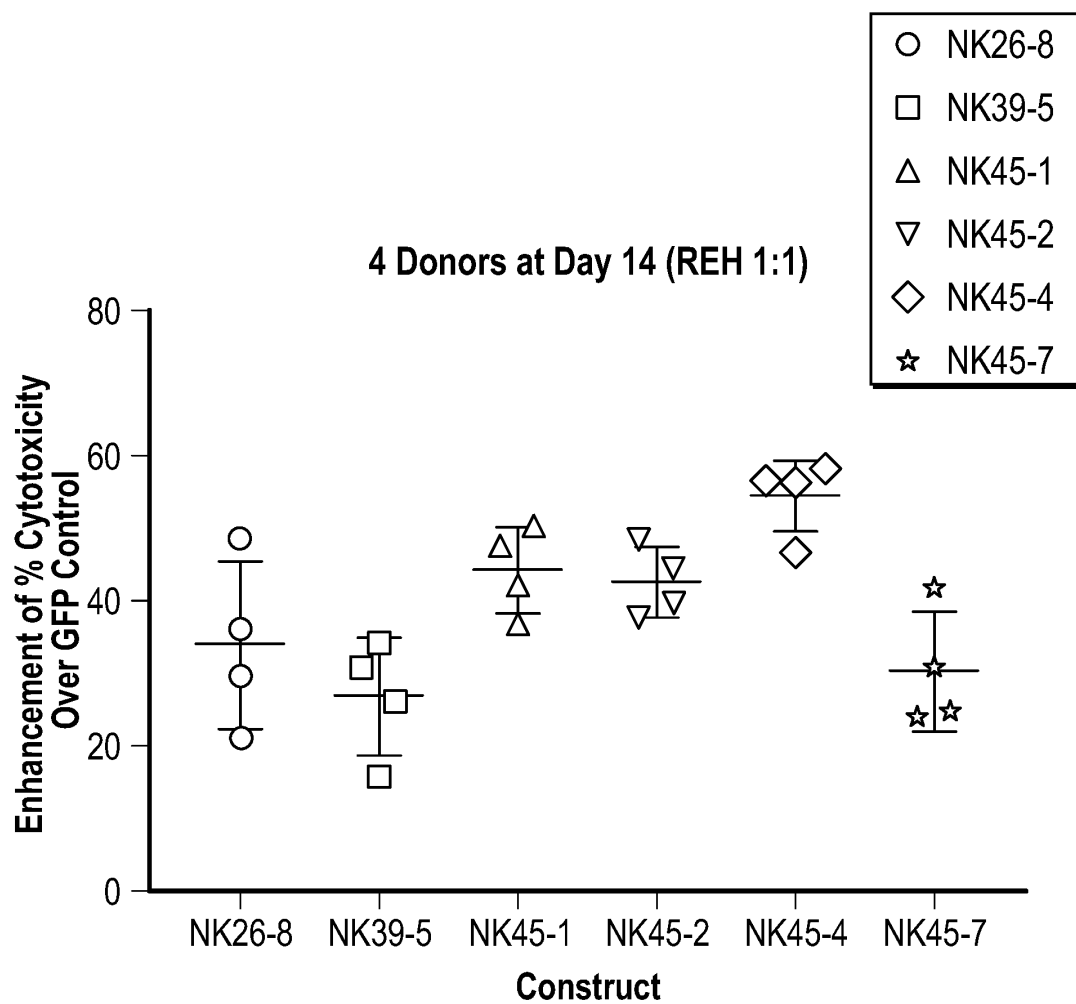


FIG. 25A

36/42

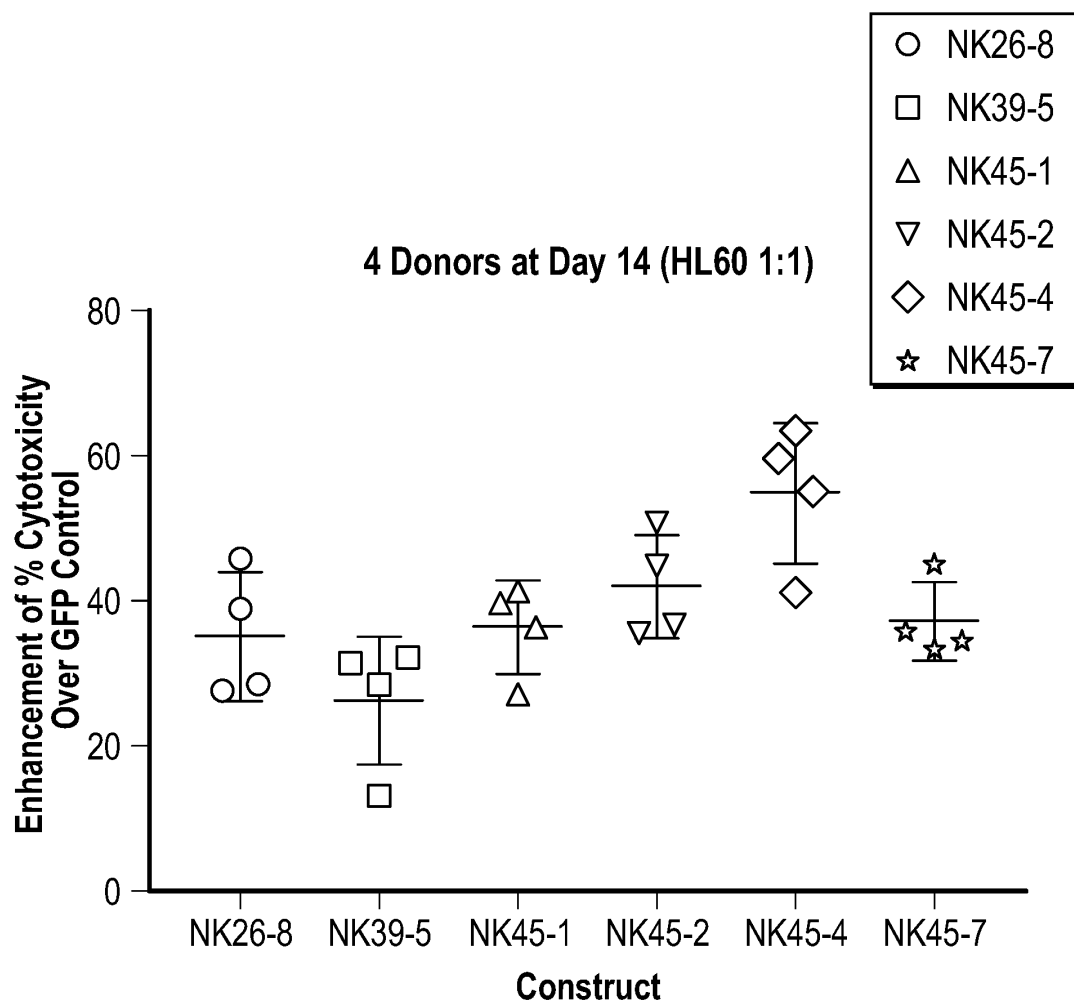


FIG. 25B

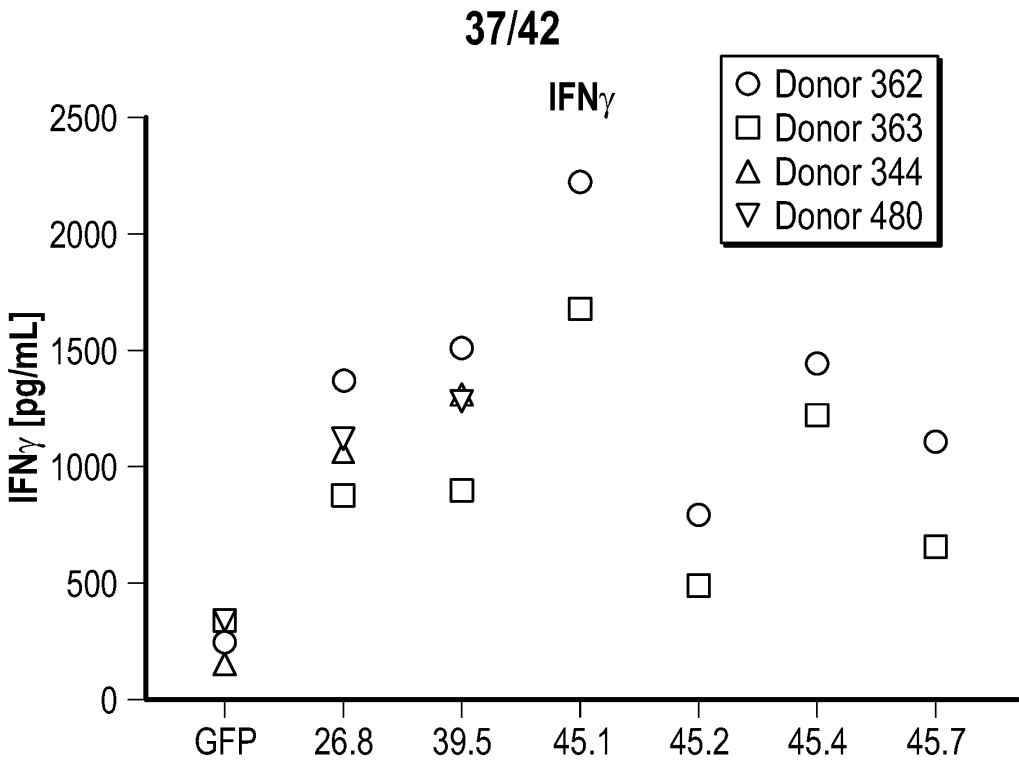


FIG. 26A

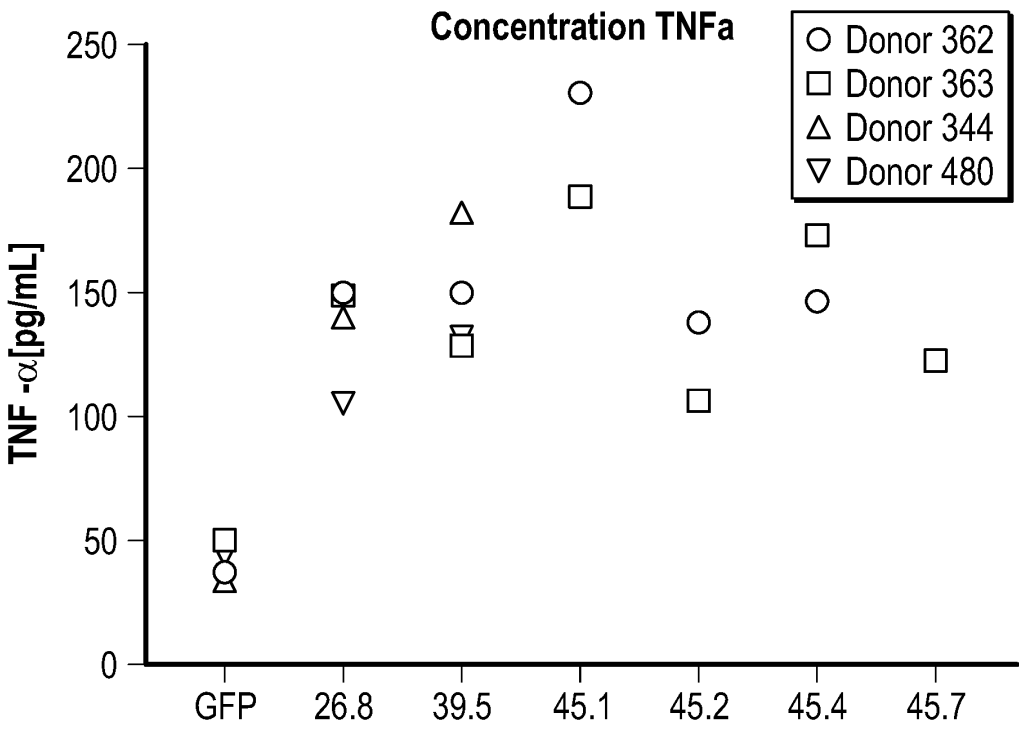


FIG. 26B

38/42

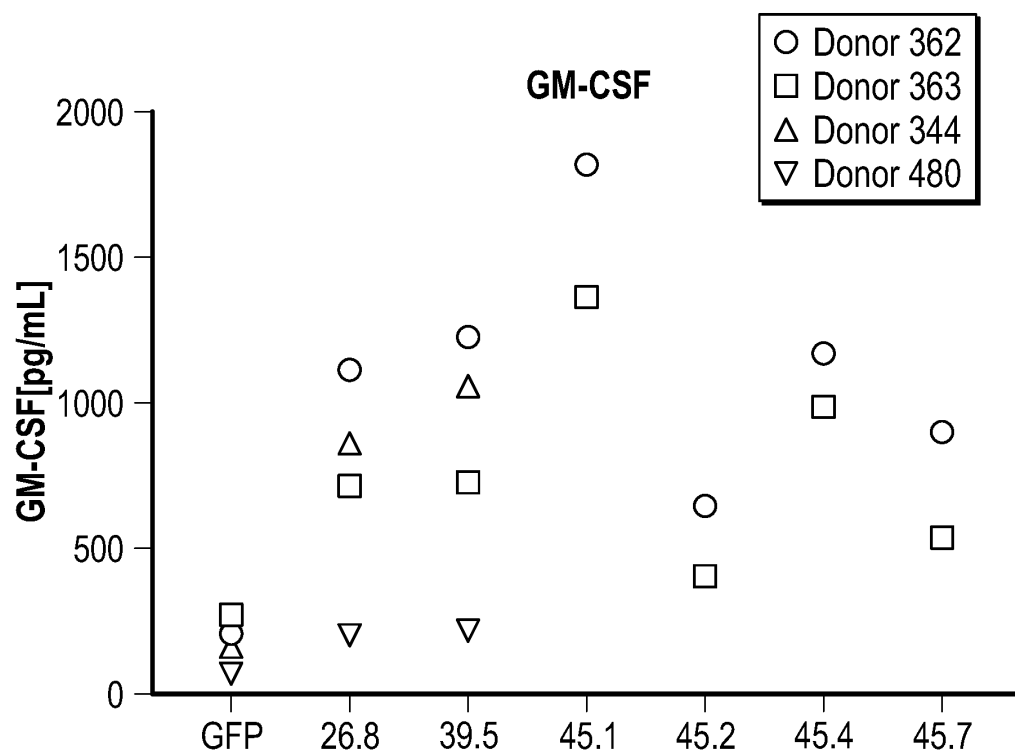


FIG. 26C

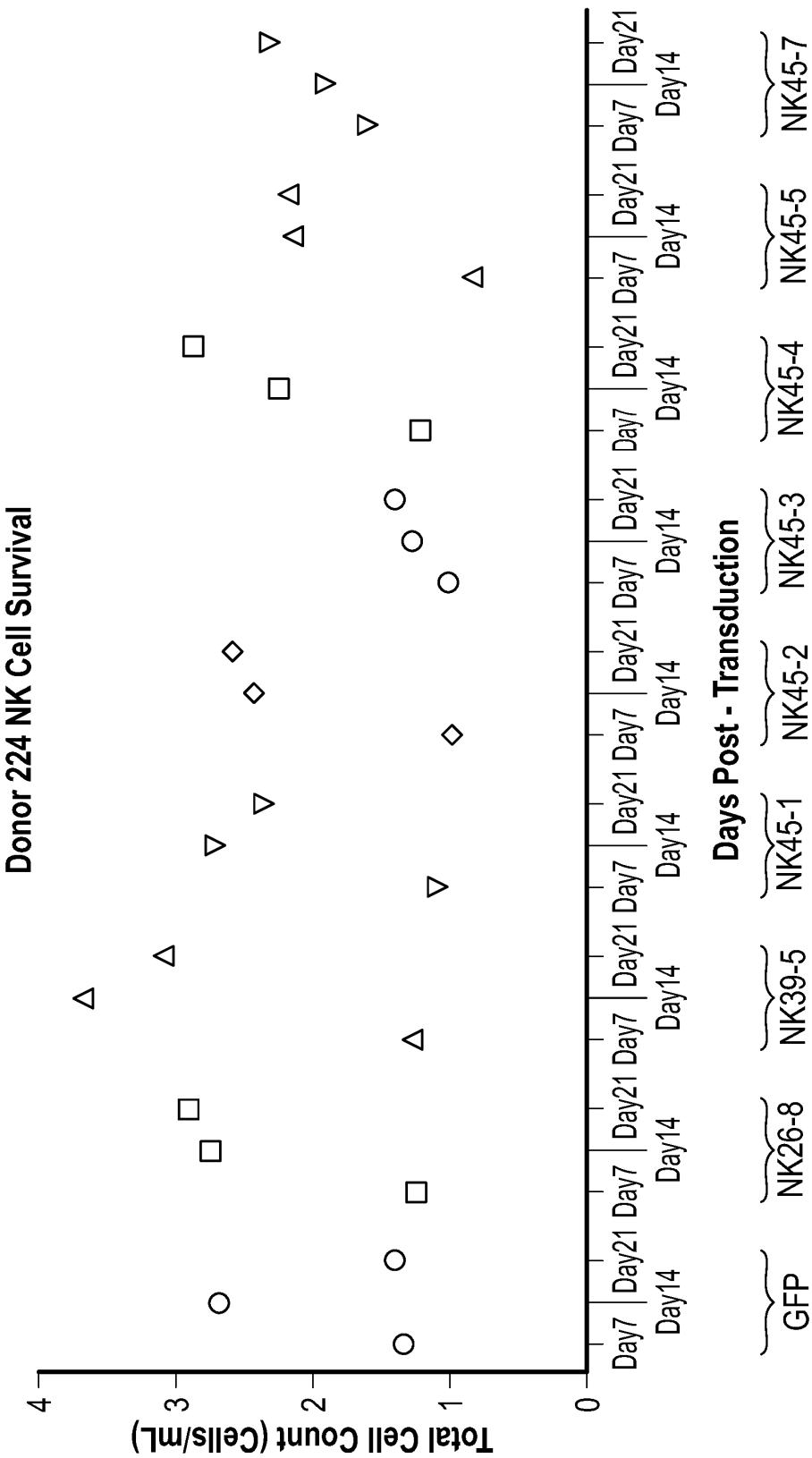


FIG. 27A

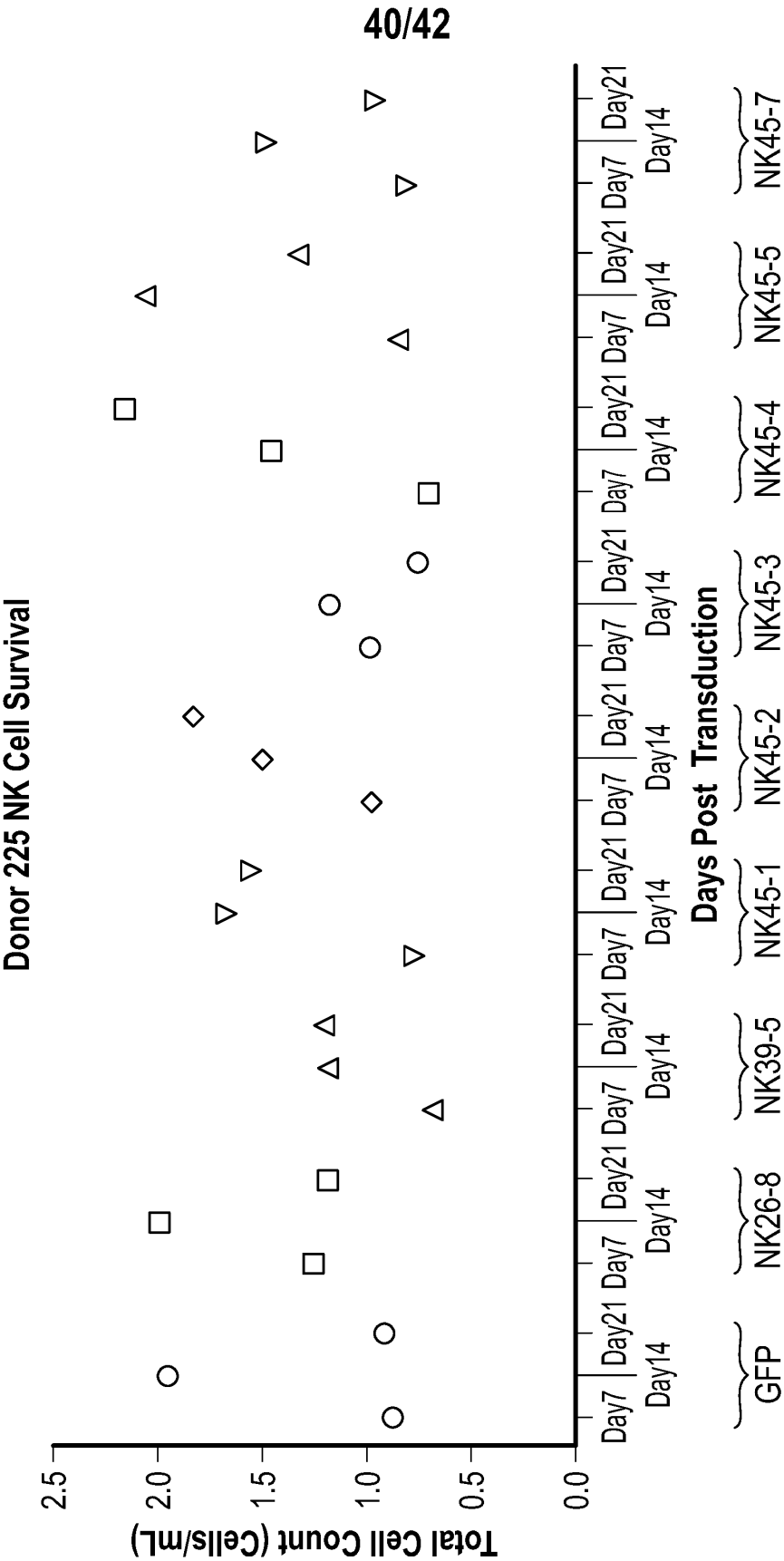
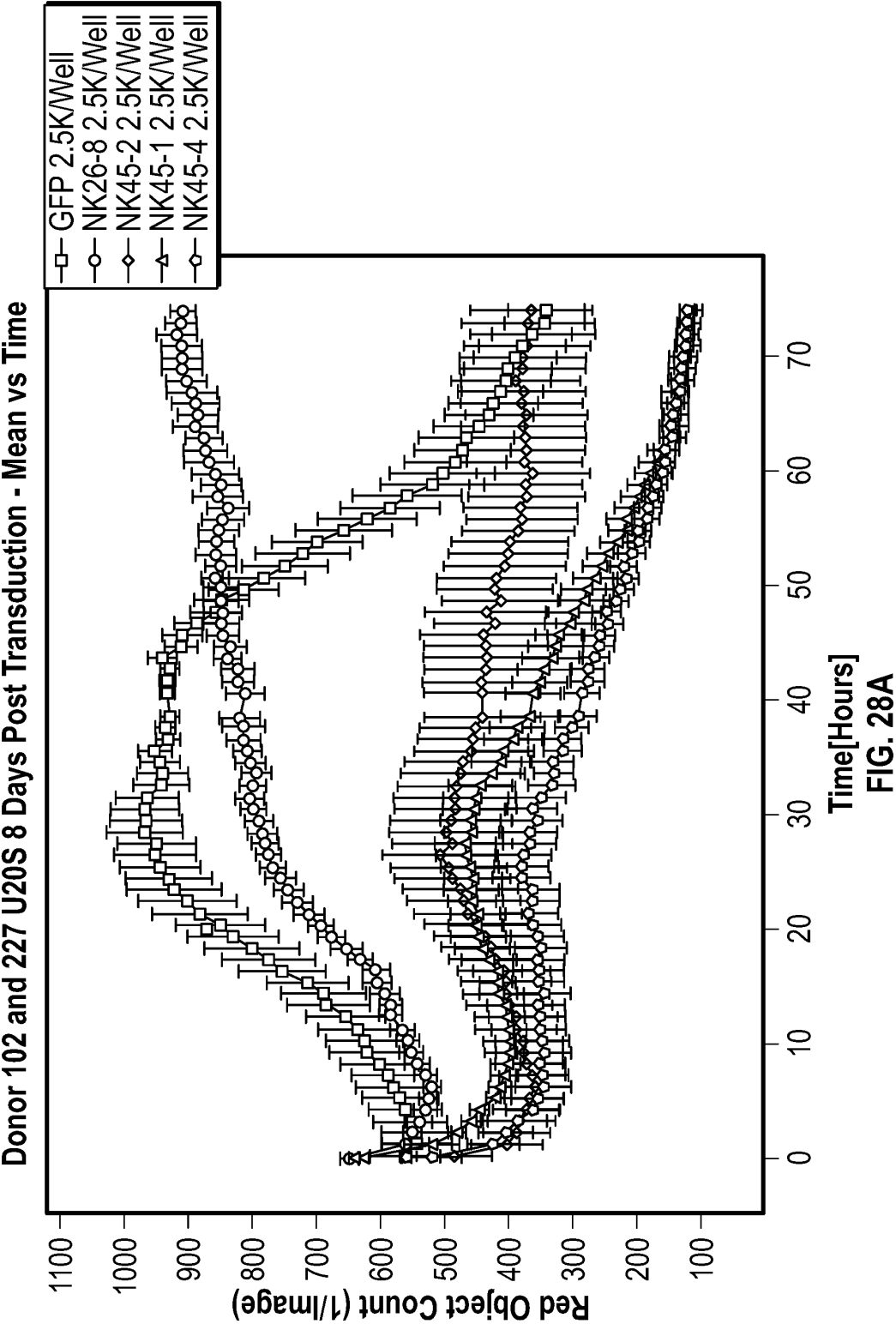


FIG. 27B



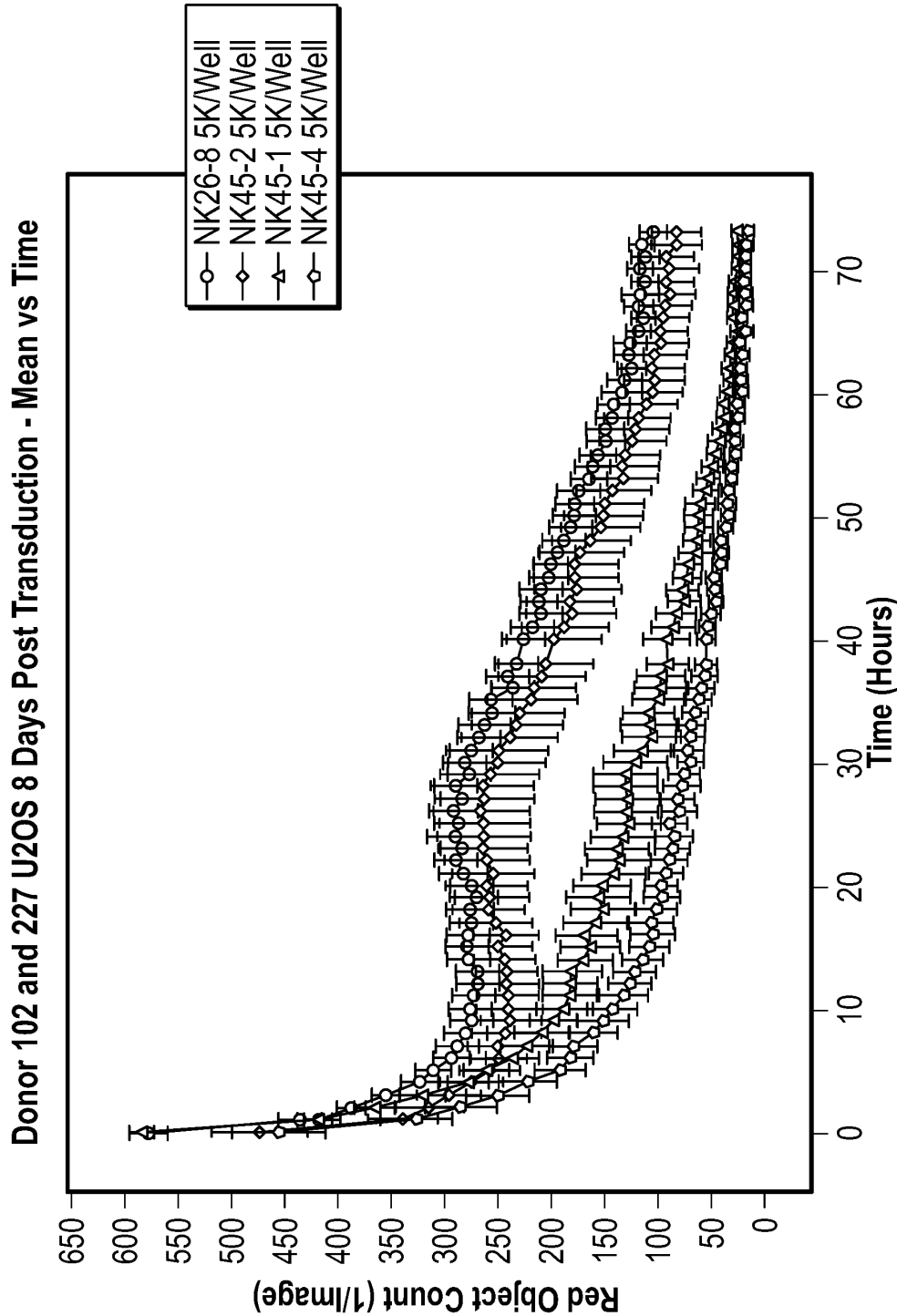


FIG. 28B