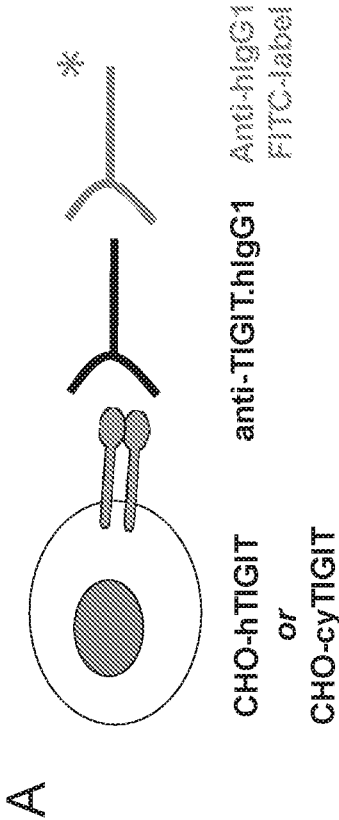
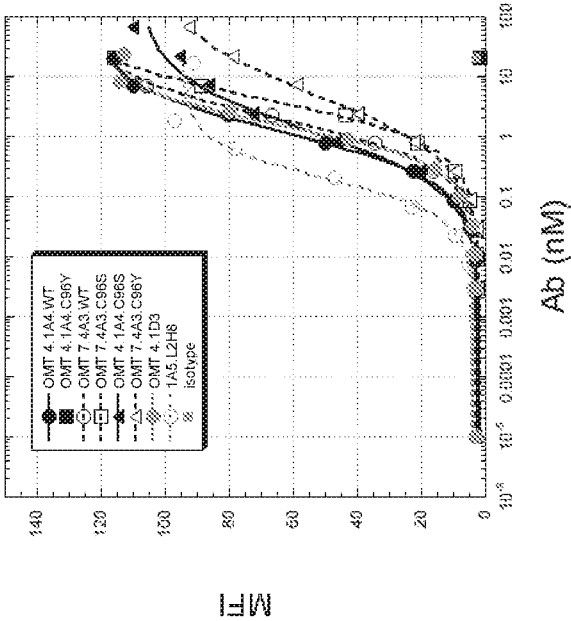


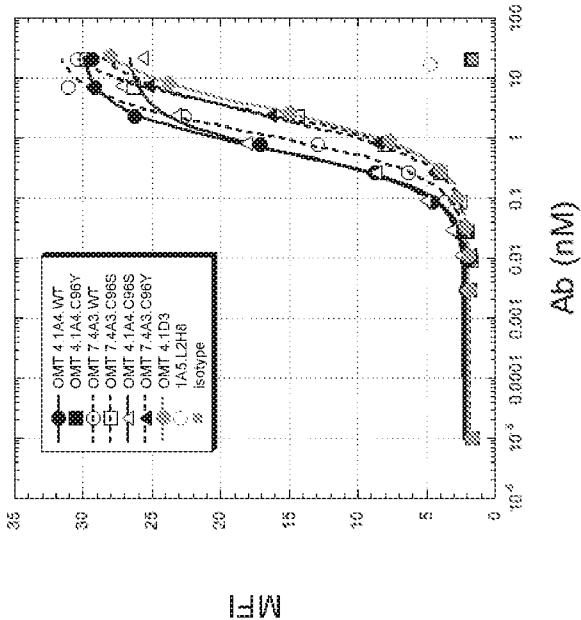
Figures 1A-1C



B

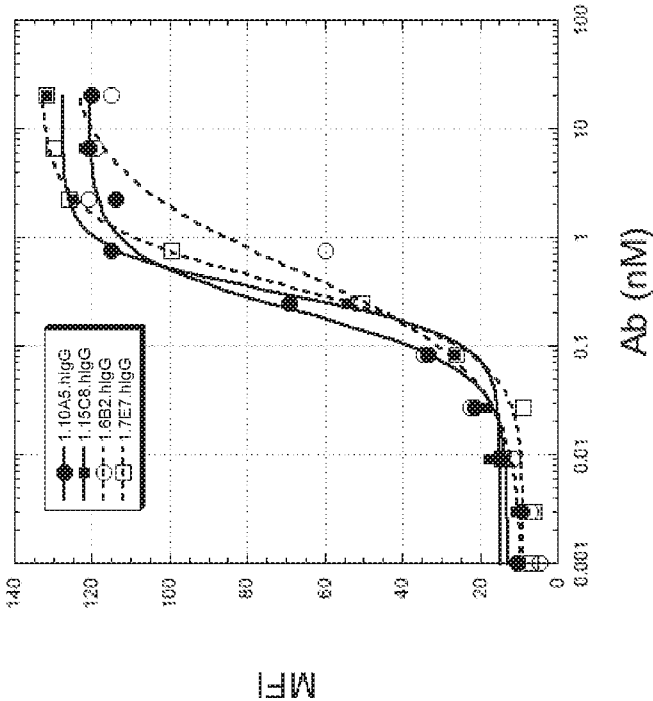


C

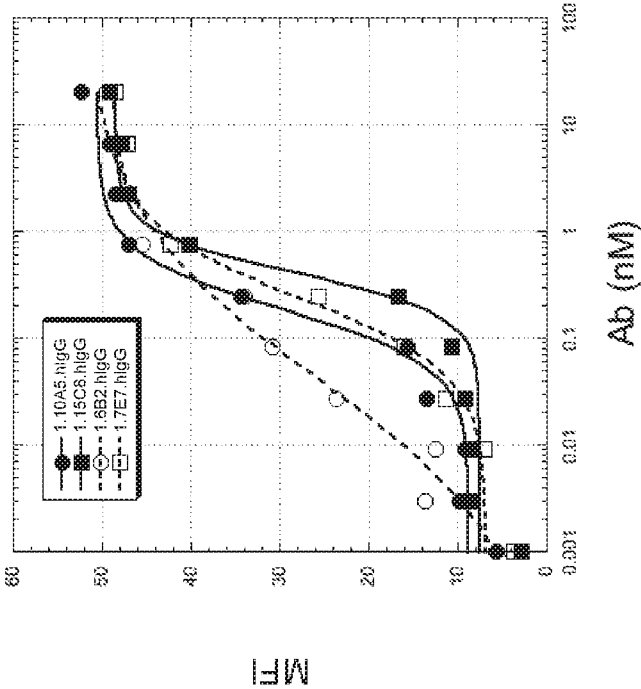


Figures 1D-1E

D

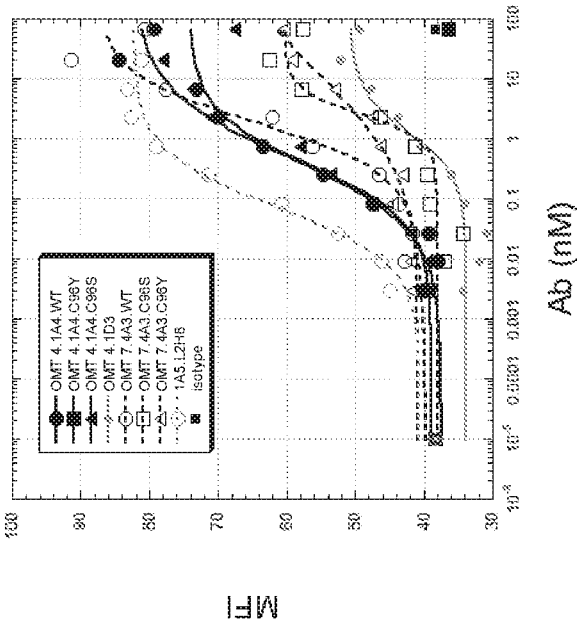


E

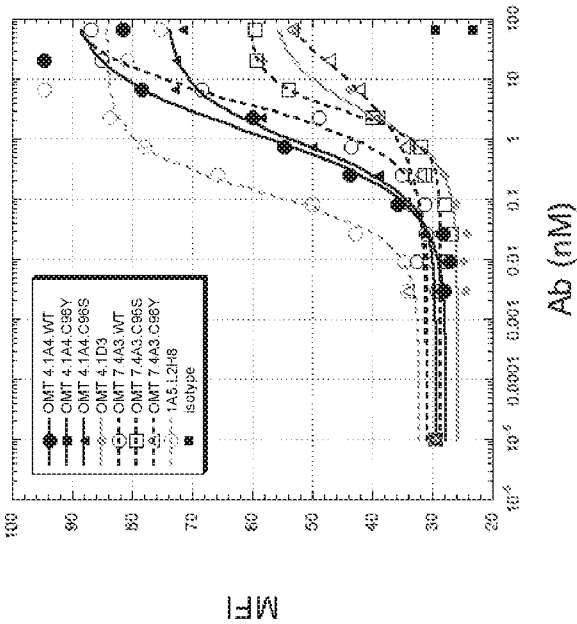


Figures 2A-2B

A

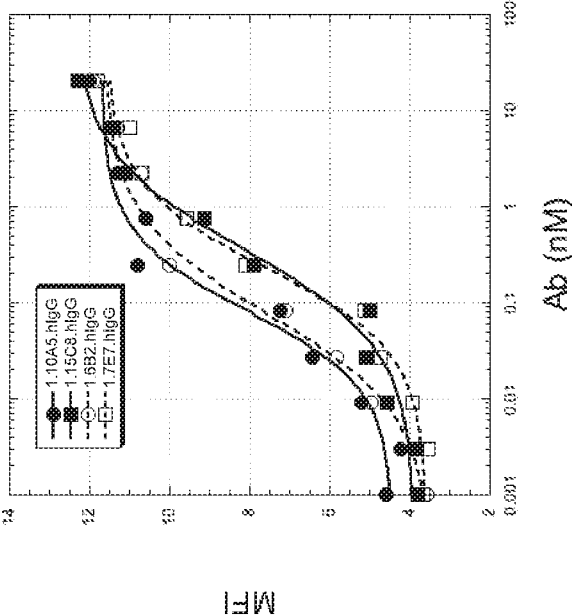


B

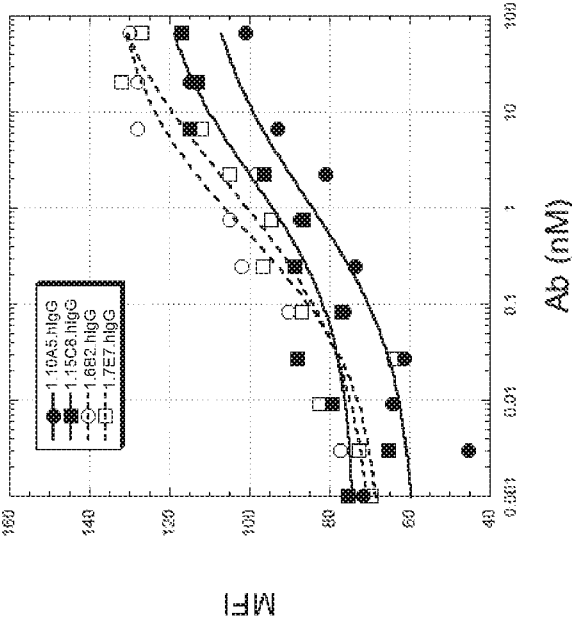


Figures 2C-2D

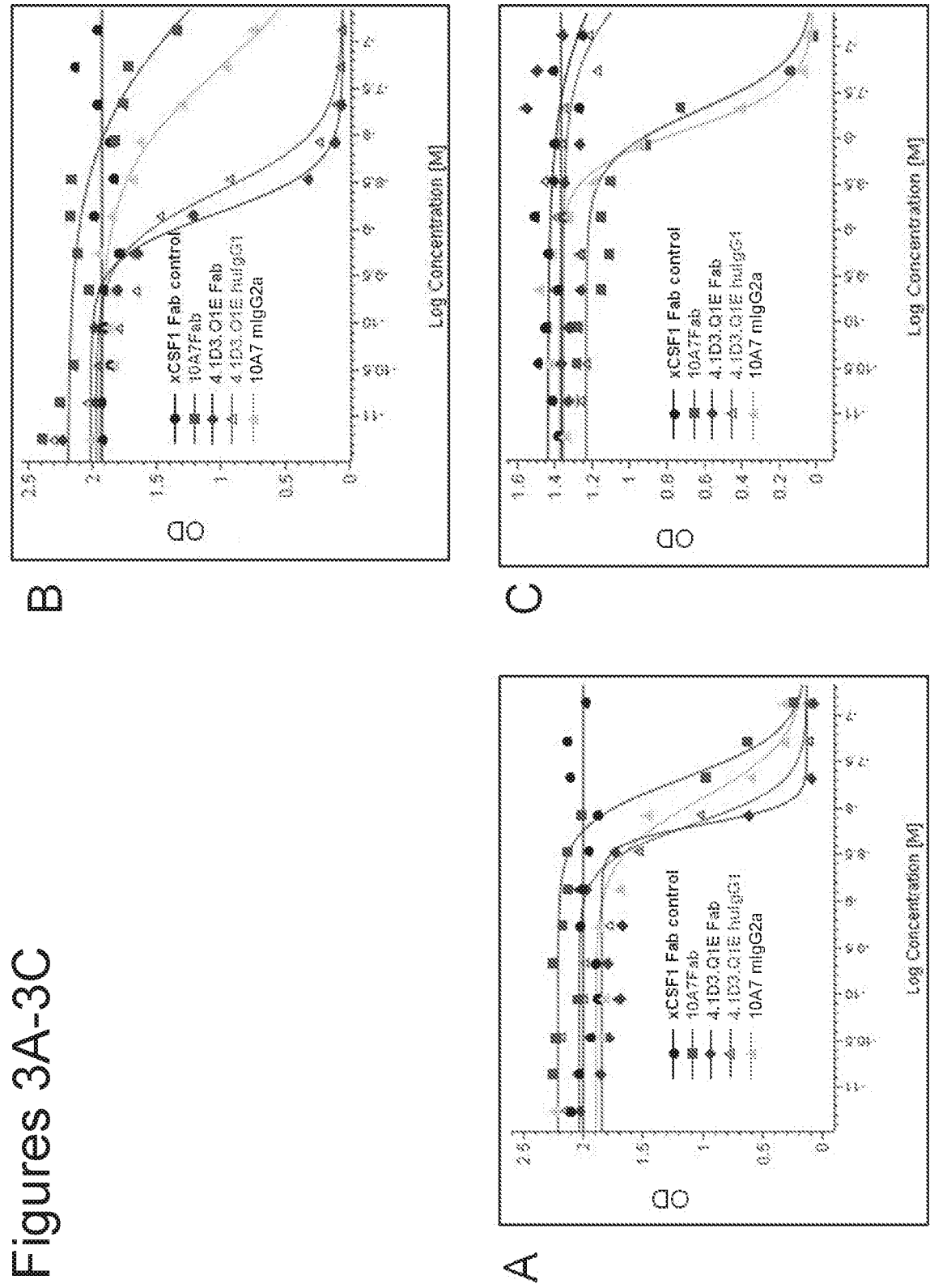
C



D



Figures 3A-3C

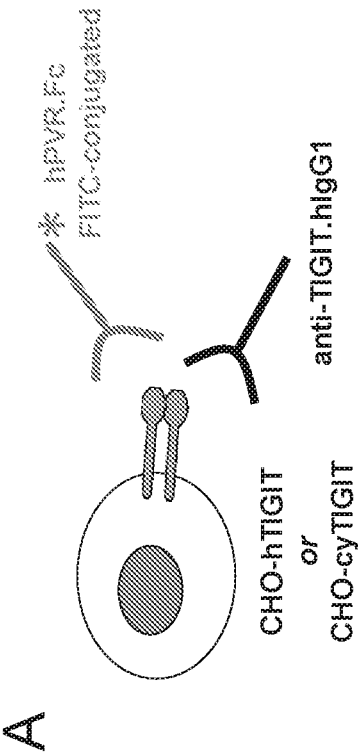


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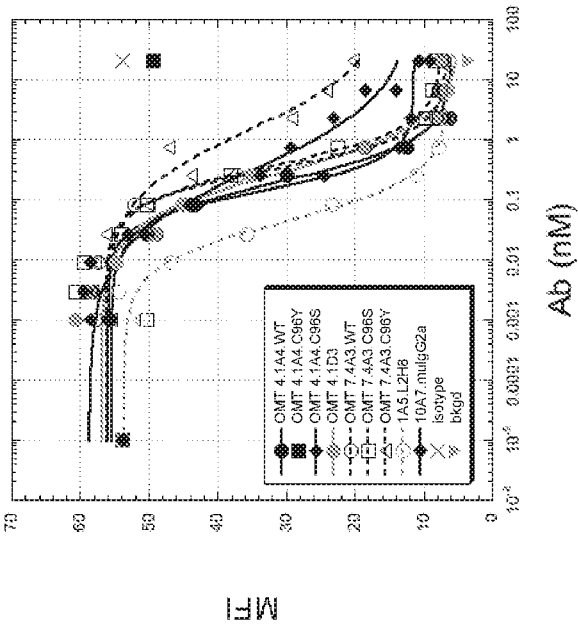
Figure 3D

anti-TIGIT	Block ELISA Human PVR-Fc:Bio- TIGIT-AviFlag IC50, nM	Block ELISA Cyno PVR-Fc:Bio- TIGIT-AviFlag IC50, nM	Block ELISA Mouse PVR- Fc:TIGIT-His IC50, nM
10A7Fab	21.2	>133	20.9
10A7 mlgG2a	12.9	55.7	12.6
4.1D3.Q1E Fab	6.9	1.5	>133
4.1D3.Q1E hulgG1	6.9	2.6	>133
xCSF1 Fab control	>133	>133	>133

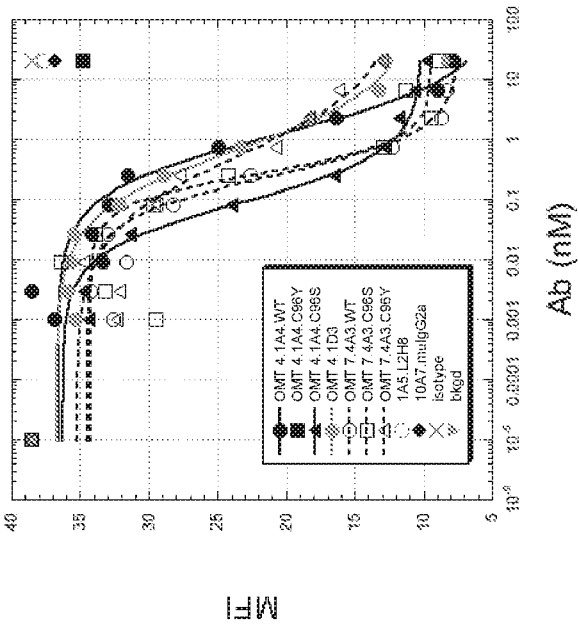
Figures 4A-4C



B

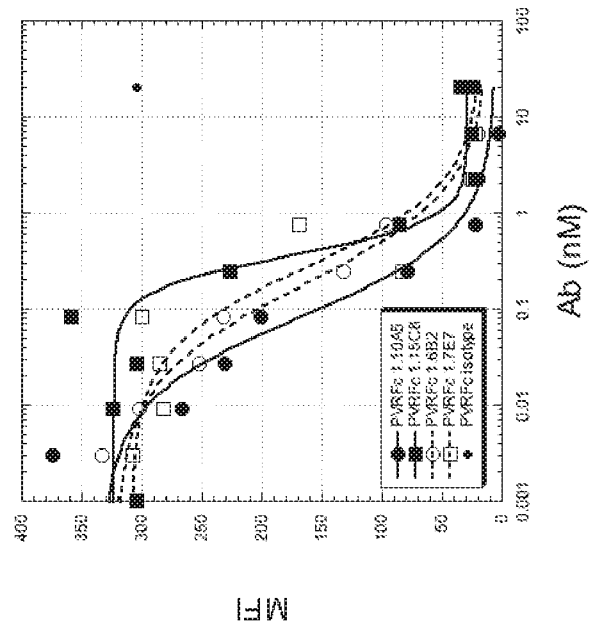


C

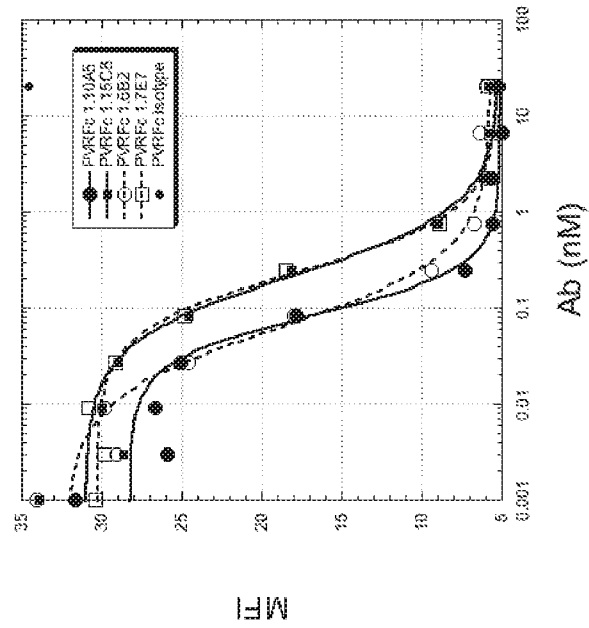


Figures 4D-4E

D

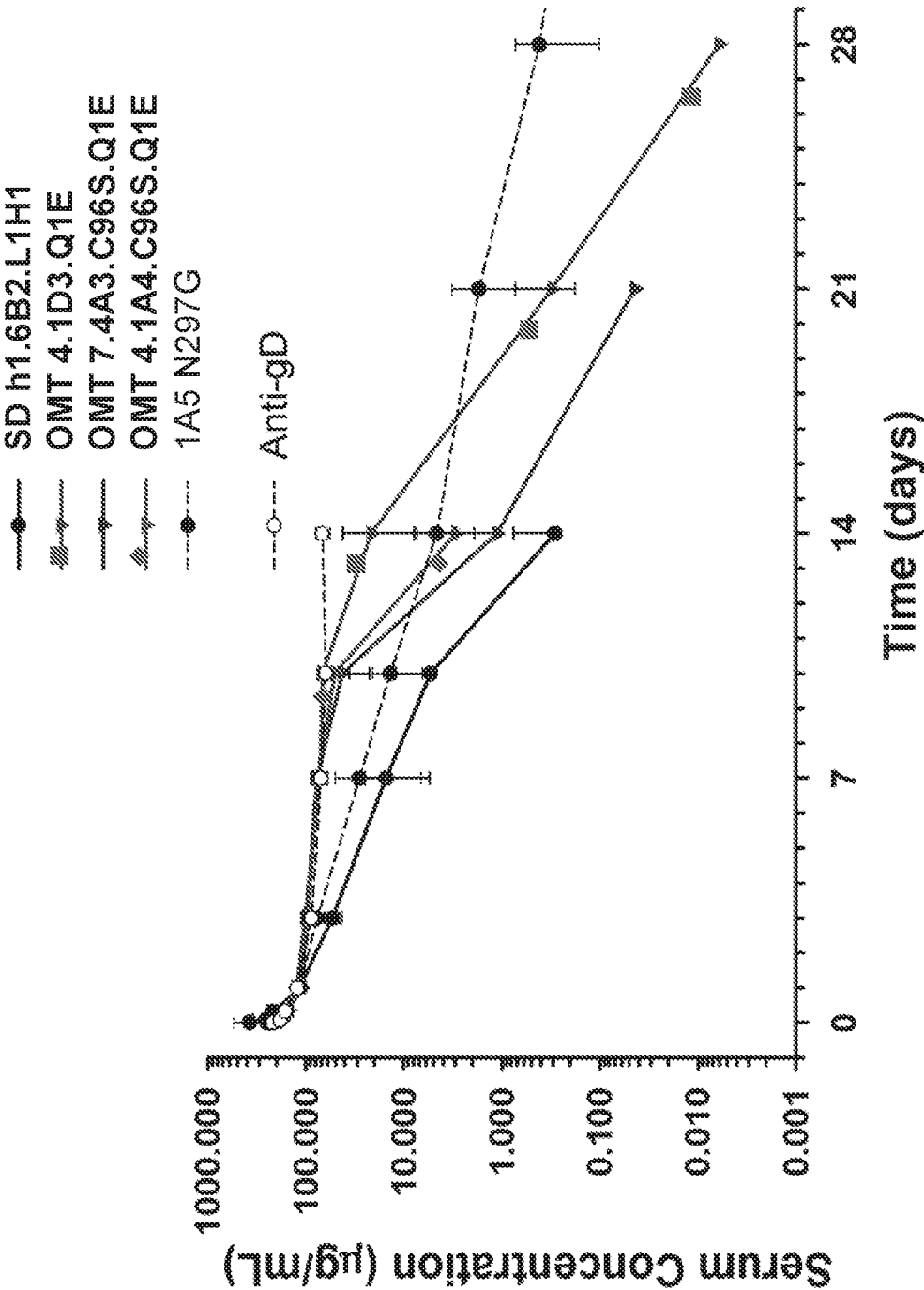


E



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Figure 5A



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Figure 5B

Anti-TIGIT Variants	AUC _{INF} (day • µg/mL)	CL (mL/day/kg)	C _{max} (ug/mL)
Anti-gD	3480 ± 1450	3.19 ± 1.18	216 ± 26.7
1A5 N297G	735 ± 166	14.1 ± 2.85	376 ± 168
SD h1.6B2.L1H1	512 ± 88.7	19.9 ± 3.75	246 ± 22.1
OMT 4.1D3.Q1E	1200 ± 88.5	8.39 ± 0.64	214 ± 11.1
OMT 7.4A3.C96S.Q1E	973 ± 128	10.4 ± 1.44	218 ± 18.5
OMT 4.1A4.C96S.Q1E	1016 ± 123	9.93 ± 1.21	206 ± 22.9

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Figure 5C

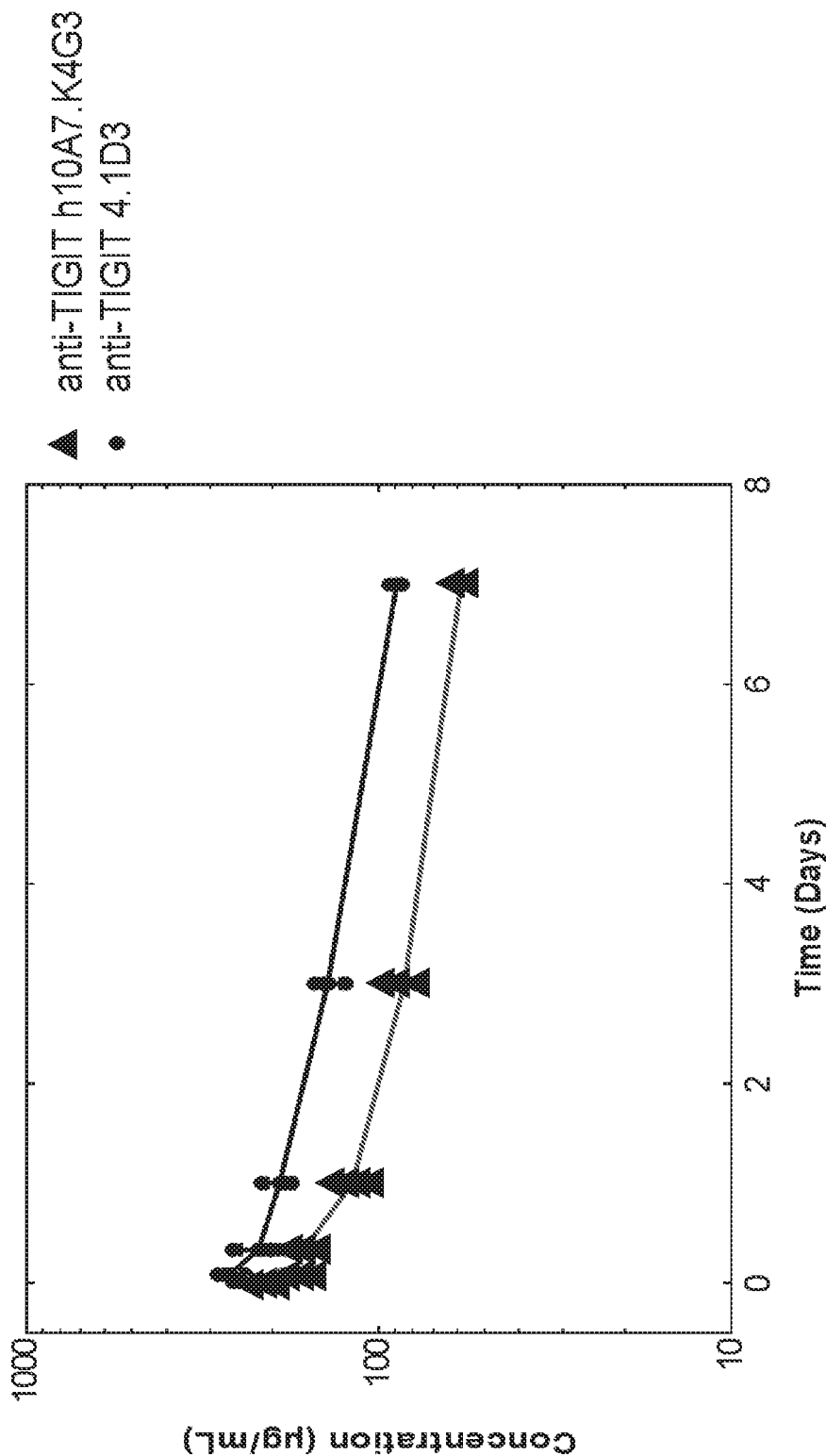
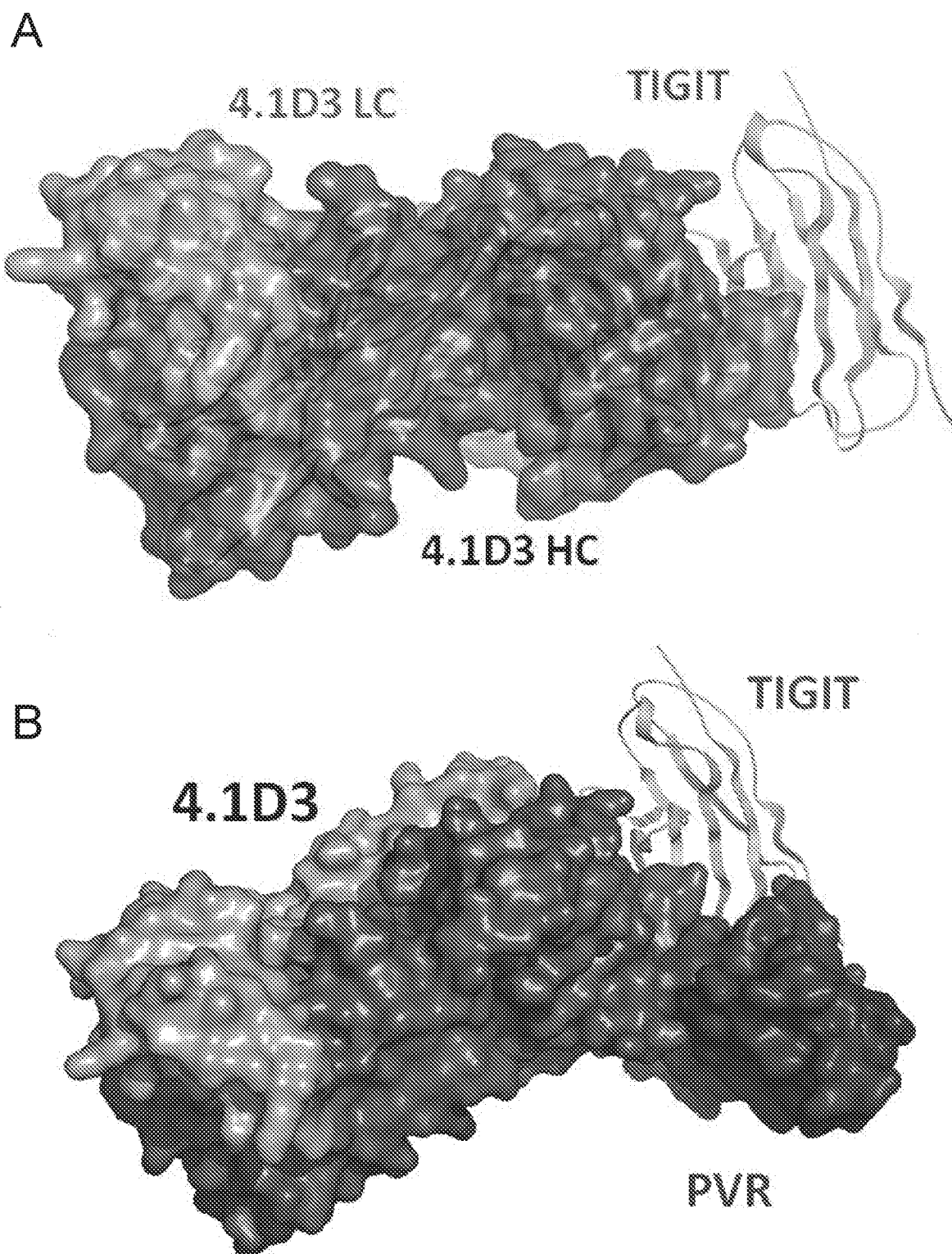


Figure 5D

	AUC _{D0-7} (day*ug/mL)
	Mean (SD)
anti-TIGIT h10A7.K4G3	641 (SD, 34)
anti-TIGIT 4.1D3	1,006 (SD, 49)

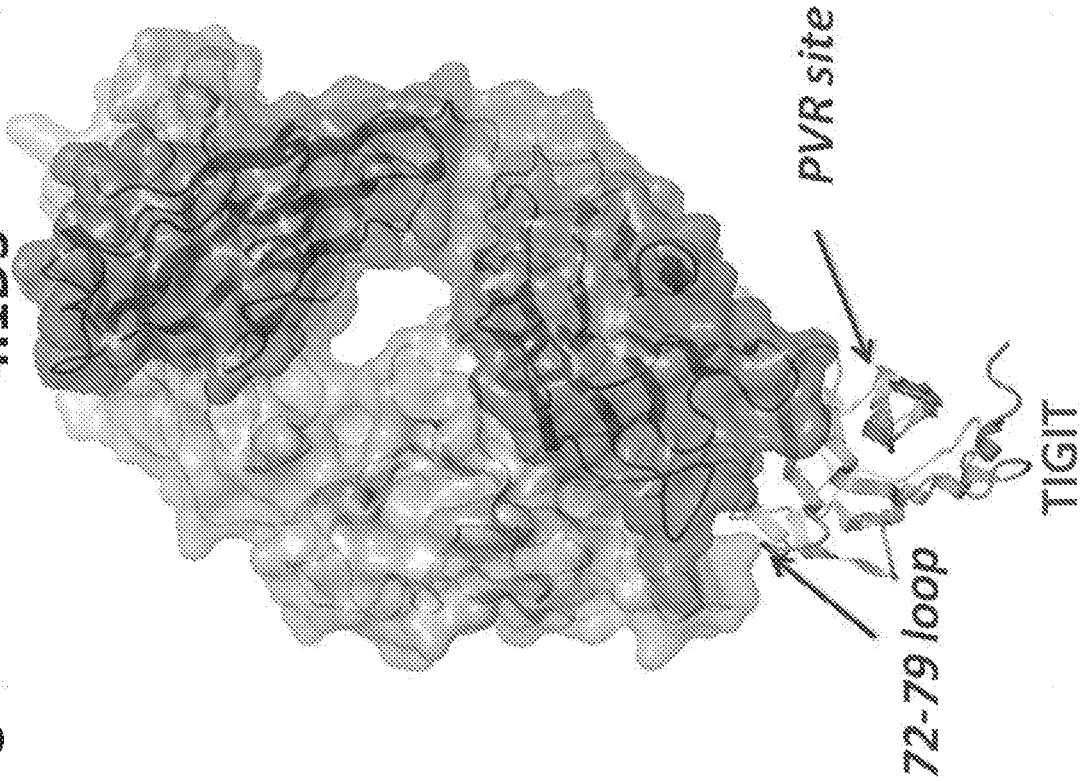
Figures 6A-6B



Figures 6C-6D

C

4.1D3



D

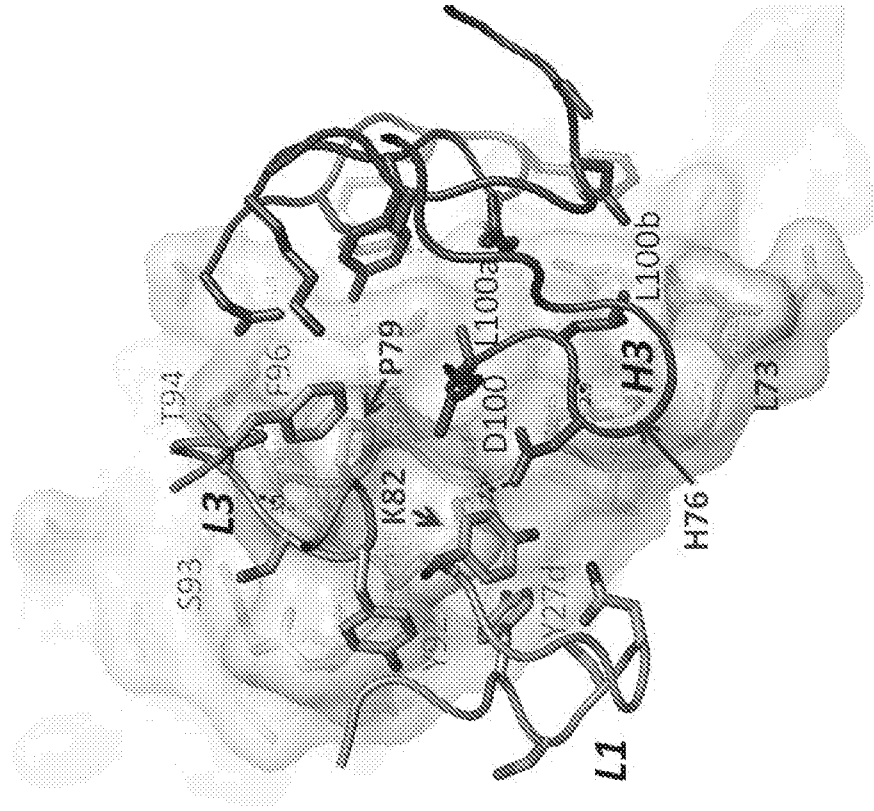
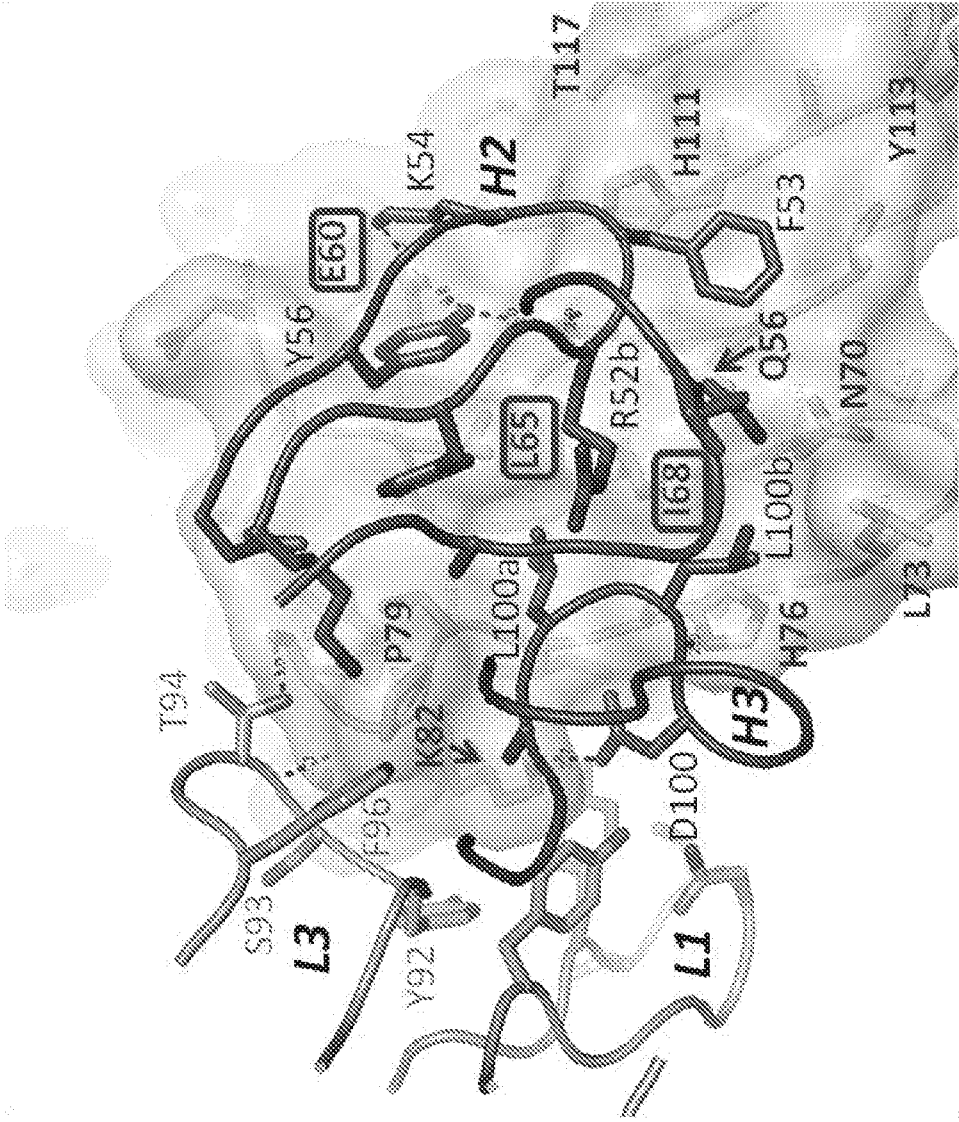


Figure 6E



Figures 7A-7B

A

hTIGIT mutants	Binding affinity KD(nM)[N=2]						
	Chimeric 10A7	h1A5.12H8	4.1D3	7.4A3.C96S	4.1A4.C96S	h6B2.12H5	h7E7.15aH9a
WT	44.7 ± 20.1	4.4 ± 0.9	0.5 ± 0.03	1.8 ± 1.1	30.8 ± 0.9	0.7 ± 0.1	0.4 ± 0.1
Q53A	32.0 ± 5.7	5.1 ± 1.7	0.8 ± 0.3	>100	>500	0.9 ± 0.1	0.8 ± 0.1
Q56A	29.5 ± 5.0	>500	2.7 ± 0.9	23.7 ± 11.4	1.4 ± 0.1	1.3 ± 0.1	2.1 ± 0.3
E60A	40.3 ± 8.6	>500	6.1 ± 0.4	4.8 ± 1.5	7.8 ± 0.1	2.4 ± 0.3	0.7 ± 0.1
L65A	10.6 ± 2.3	50.6 ± 4.0	8.8 ± 1.1	3.9 ± 1.6	42.8 ± 2.9	3.0 ± 0.8	1.0 ± 0.4
I68A	17.1 ± 3.5	>500	10.5 ± 0.2	4.9 ± 1.8	28.6 ± 2.6	11.5 ± 1.1	0.9 ± 0.3
N70A	24.3 ± 5.7	13.2 ± 3.5	1.7 ± 0.8	10.7 ± 8.7	>500	2.8 ± 0.1	1.6 ± 0.6
L73A	>500	41.0 ± 8.3	1.3 ± 0.8	6.4 ± 4.9	82.9 ± 8.9	>100	44.9 ± 5.9
H76A	>500	22.3 ± 5.4	0.7 ± 0.3	4.2 ± 1.9	44.5 ± 10.0	>100	1.0 ± 0.1
H111A	33.3 ± 4.5	12.6 ± 3.7	1.9 ± 1.4	151.2 ± 75.3	85.0 ± 7.6	1.3 ± 0.1	1.8 ± 0.6
Y113A	55.5 ± 16.4	>500	2.8 ± 1.5	>100	>500	2.5 ± 0.6	3.0 ± 1.1
T117A	36.4 ± 6.4	22.7 ± 1.1	0.7 ± 0.4	3.3 ± 1.6	37.9 ± 4.3	1.1 ± 0.1	0.8 ± 0.1

B

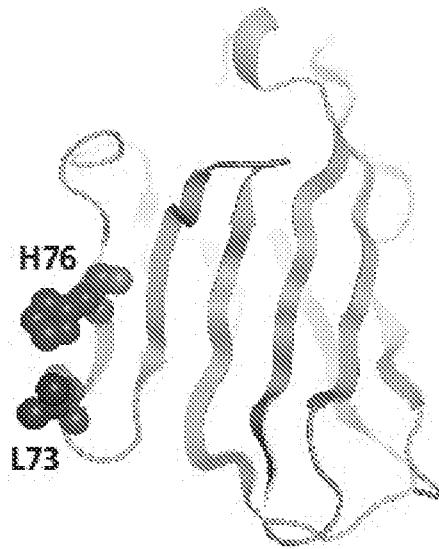
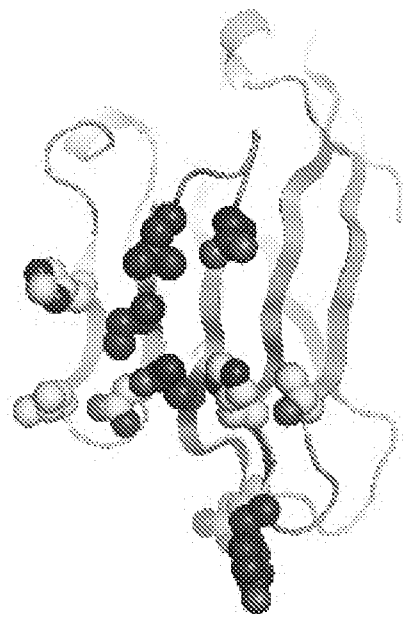
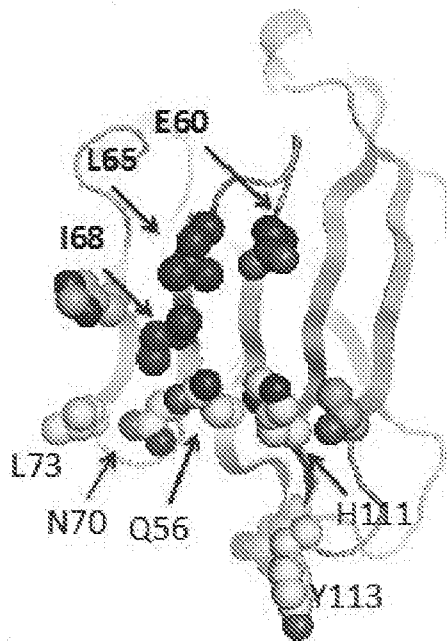
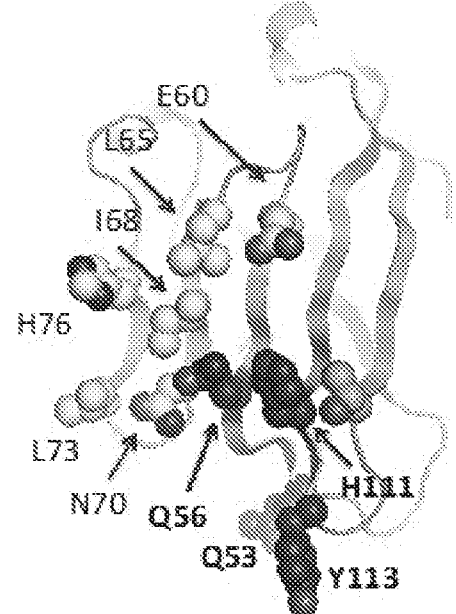
h7IGIT mutants	Binding affinity drop vs. WT [N=2]						
	Chimeric 10A7	h1A5.12H8	4.1D3	7.4A3.C96S	4.1A4.C96S	h6B2.12H5	h7E7.15aH9a
WT	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Q53A	0.7	1.2	1.6	>56	>162	1.3	2.0
Q56A	0.7	>114	5.4	132	0.1	1.9	5.3
E60A	0.9	>114	12.2	2.7	0.3	3.4	1.8
L65A	0.2	11.5	17.6	2.2	1.4	4.3	2.5
I68A	0.4	>114	21.0	2.7	0.9	164	2.3
N70A	0.5	3.0	3.4	5.9	>162	4.0	4.0
L73A	>11	9.3	2.6	3.8	2.7	>142.9	112.2
H76A	>11	5.1	1.4	2.3	1.4	>142.9	2.5
H111A	0.7	2.9	3.8	840	2.8	1.9	4.5
Y113A	1.2	>114	5.6	>56	>162	3.6	7.5
T117A	0.8	5.2	1.4	1.8	1.2	1.6	2.0

Key:

>10 fold drop

1-10 fold drop

Figures 7C-7F

C 10A7/TIGITD h1A5/TIGITE 4.1D3/TIGITF 7.4A3/TIGIT

Figures 7G-7I

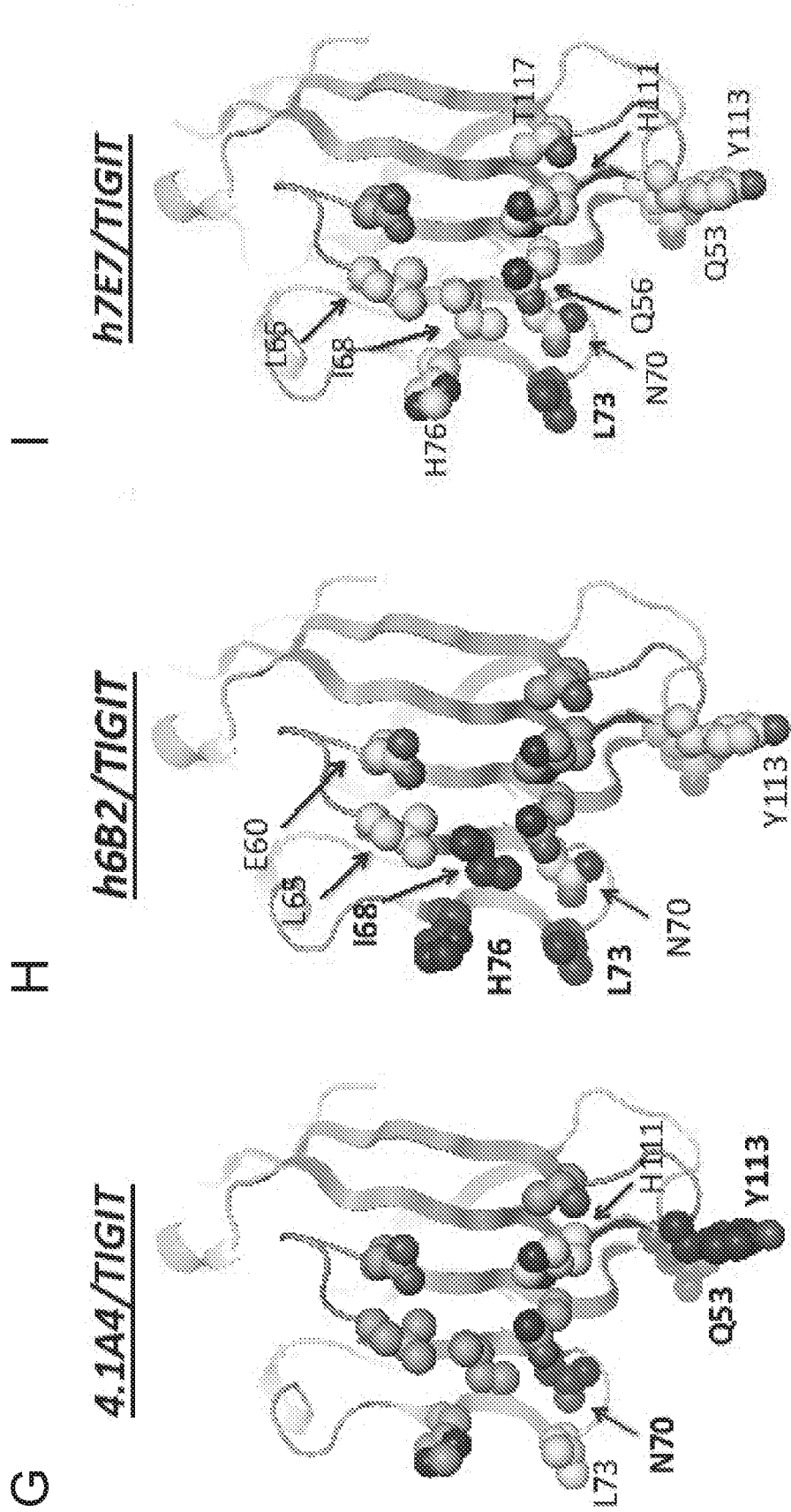


Figure 8

Fab 1A5/TIGIT

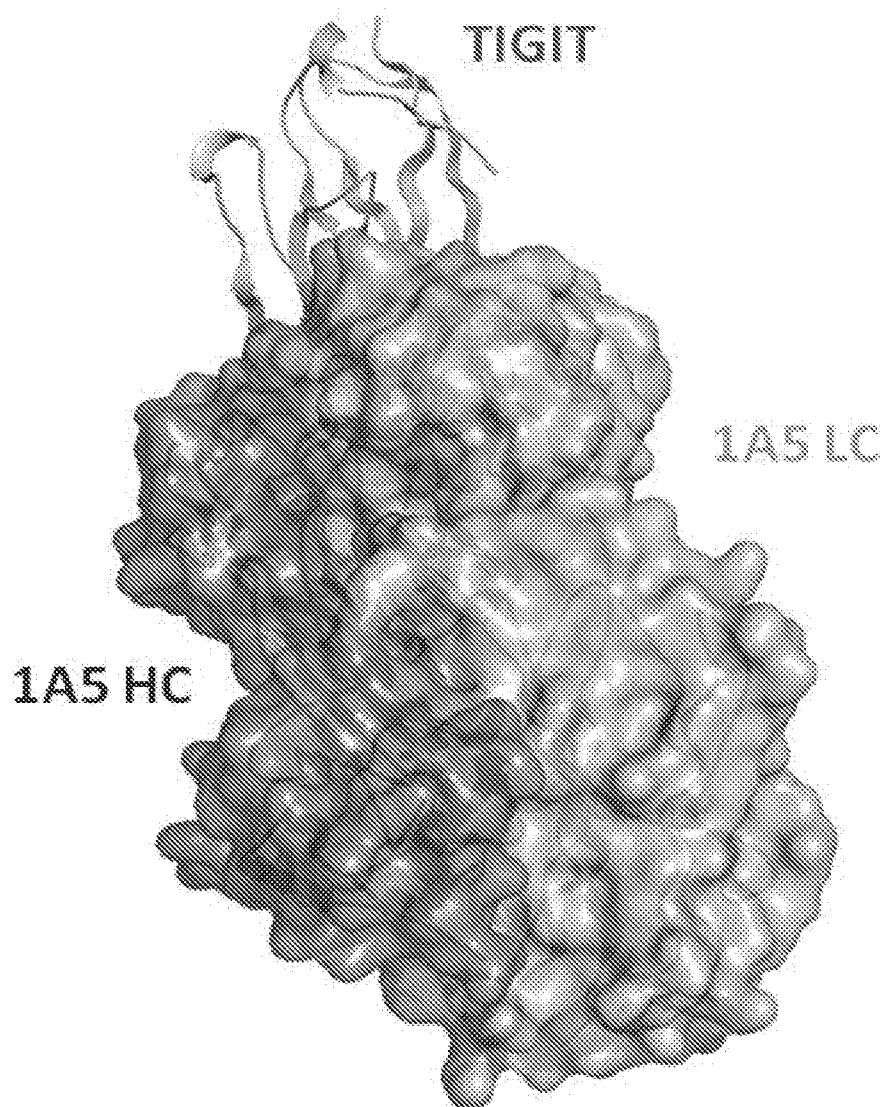
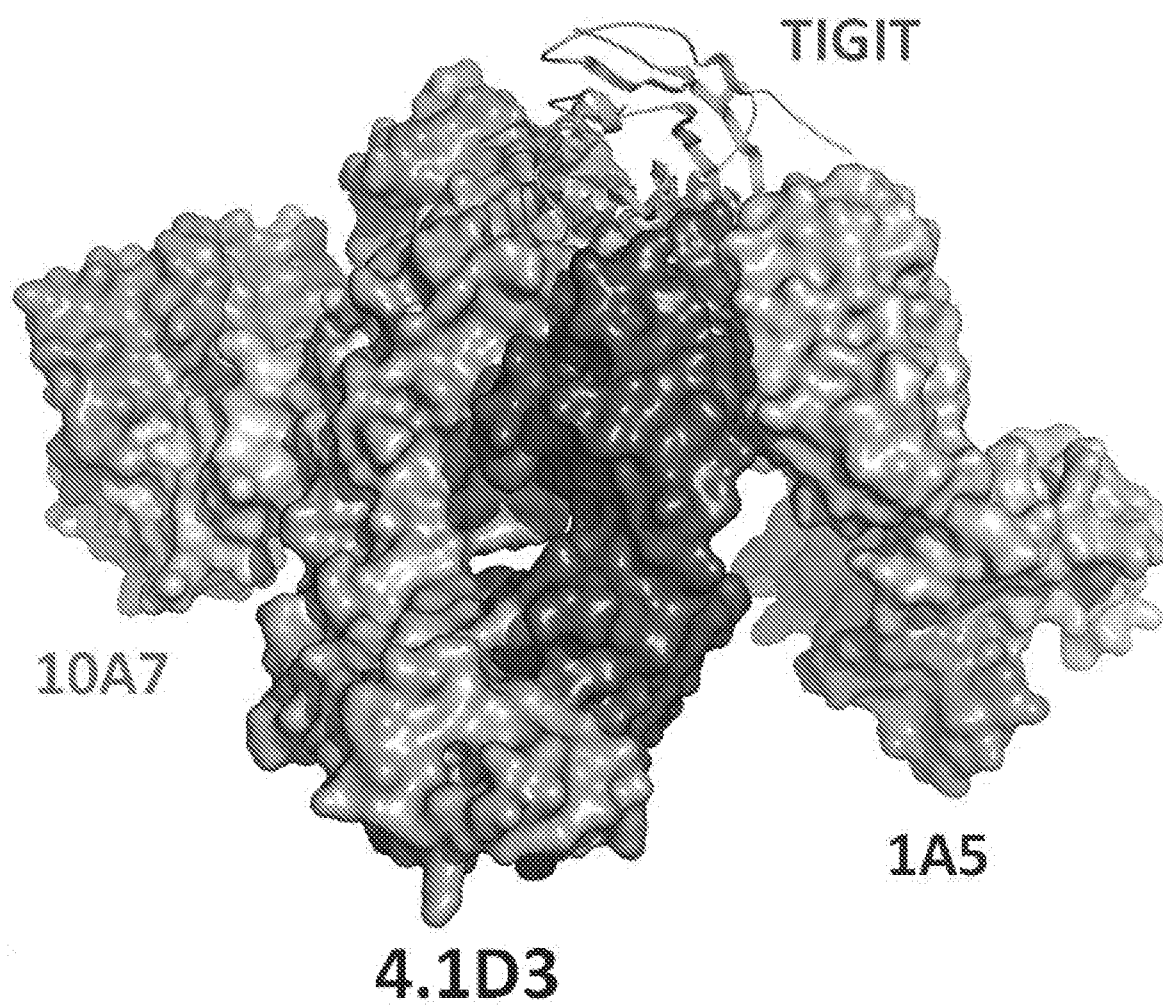


Figure 9



Figures 10A-10B

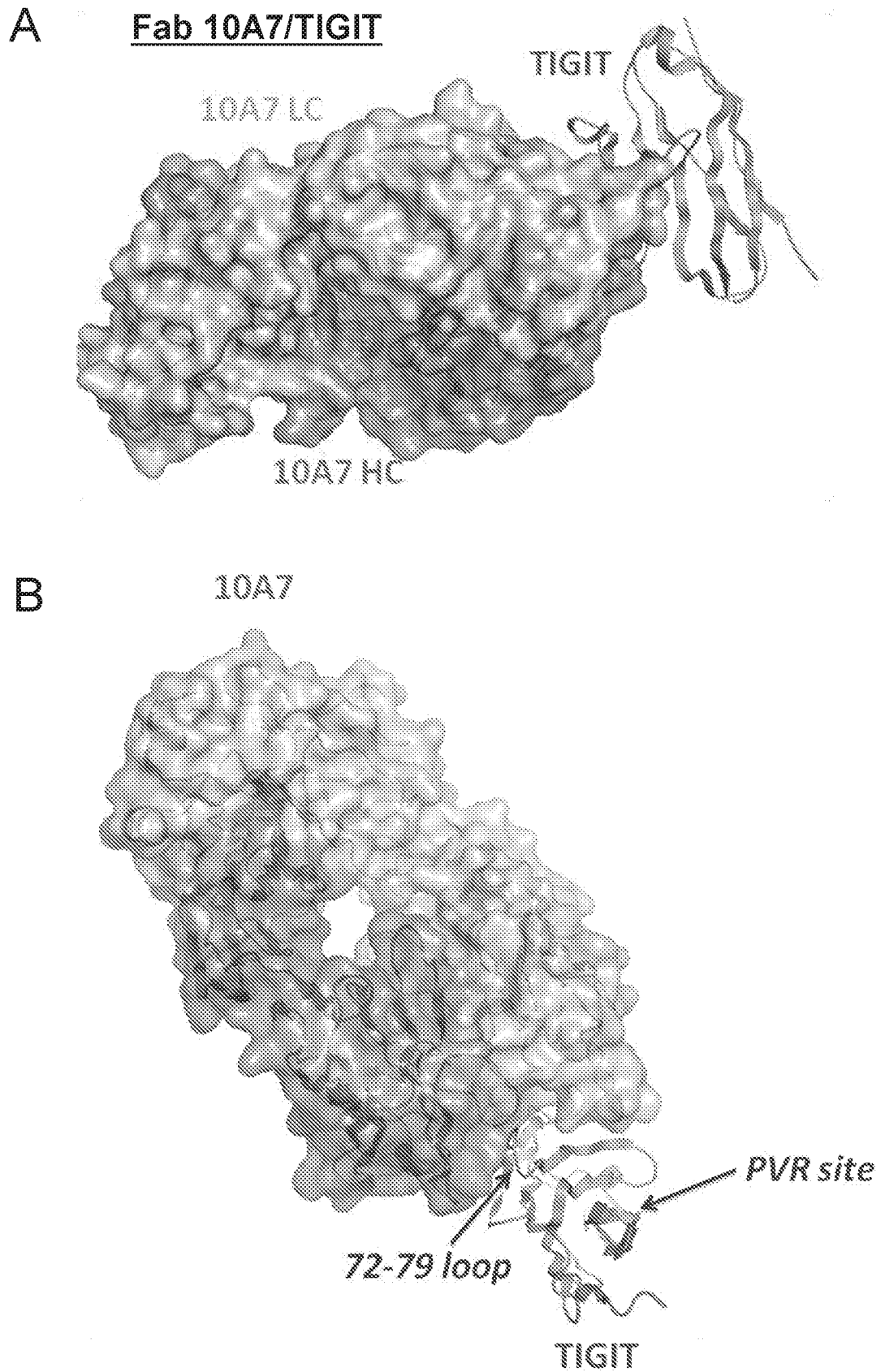


Figure 11

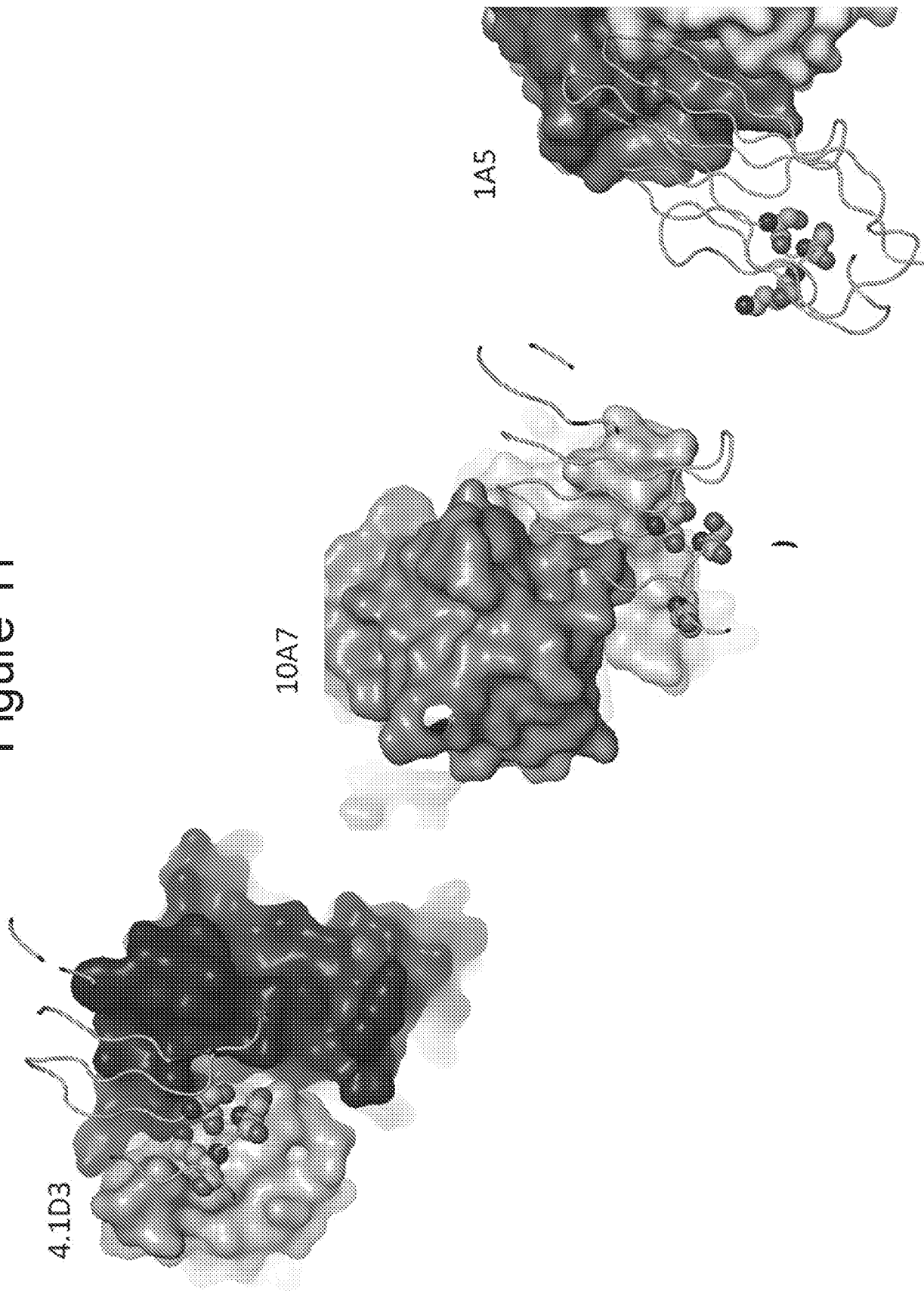


Figure 12

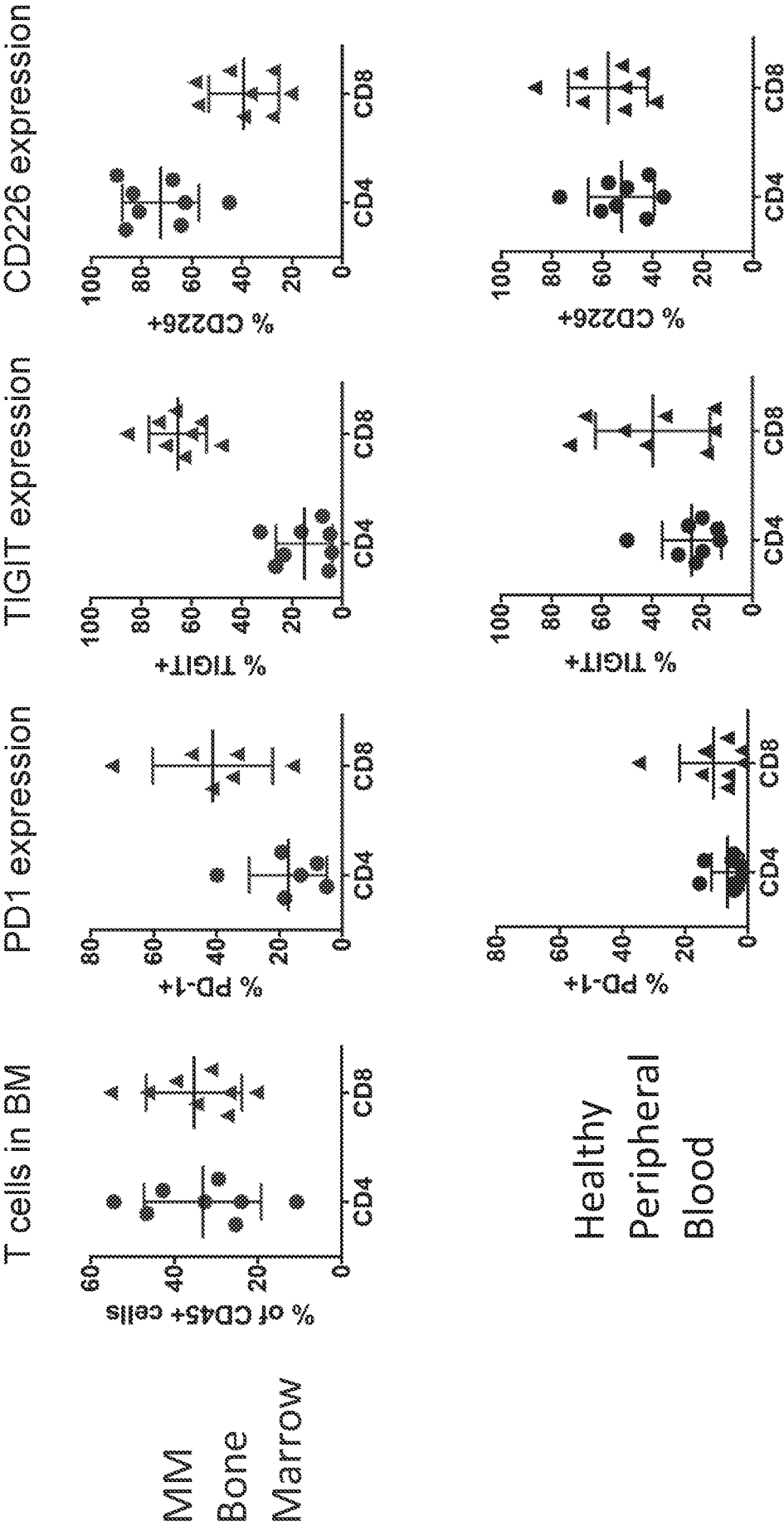


Figure 13

