FIGURE 1

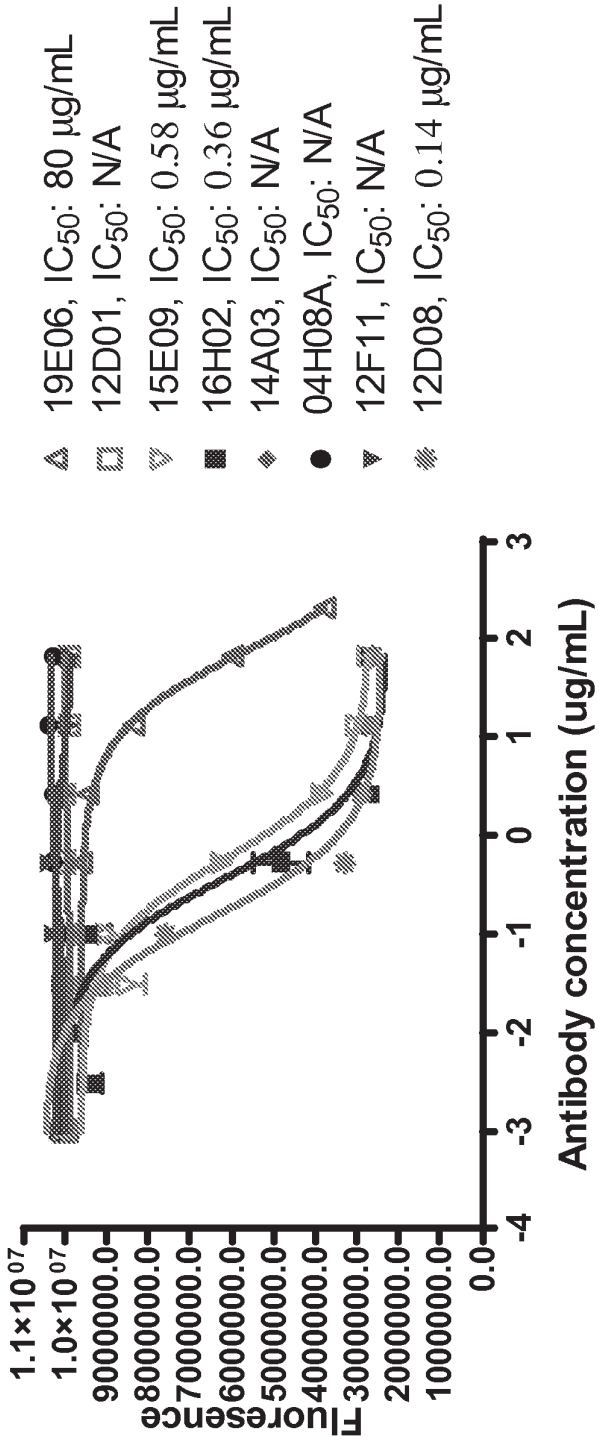

IC50: ug/mL
19E06, IC50: 80 µg/mL
12D01, IC50: N/A
15E09, IC50: 0.58 µg/mL
16H02, IC50: 0.36 µg/mL
14A03, IC50: N/A
04H08A, IC50: N/A
12F11, IC50: N/A
12D08, IC50: 0.14 µg/mL
Fluorescence
1.1×10 07
1.0×10 07
9000000.0
8000000.0
7000000.0
6000000.0
5000000.0
4000000.0
3000000.0
2000000.0
1000000.0
0.0
-4
-3
-2
-1
0
1
2
3
Antibody concentration (ug/mL)

FIGURE 2

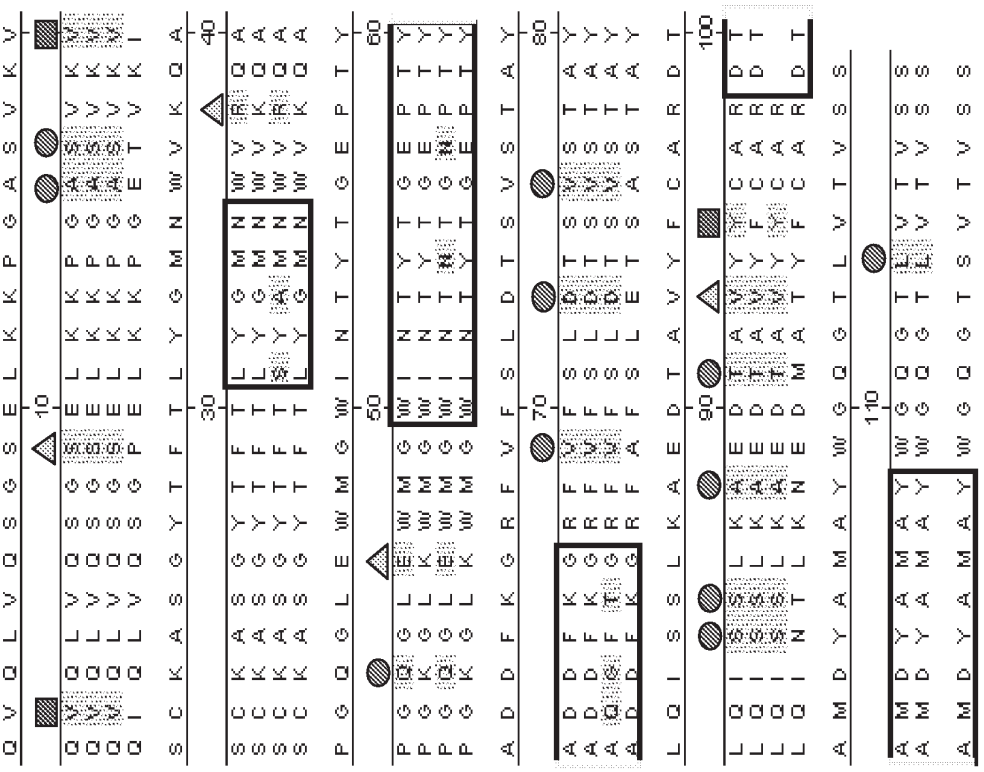

Majority
New Hum 16H02 VH#1
New Hum16H02 VH#2
IGHV7-4-1-02
Mu 16H02 VH
10
30
40
50
60
70
80
90
100
110

FIGURE 3

Construct	# of Mutations	% Humanization
Hum VH #1	18	100
Hum VH #2	13	95

FIGURE 4

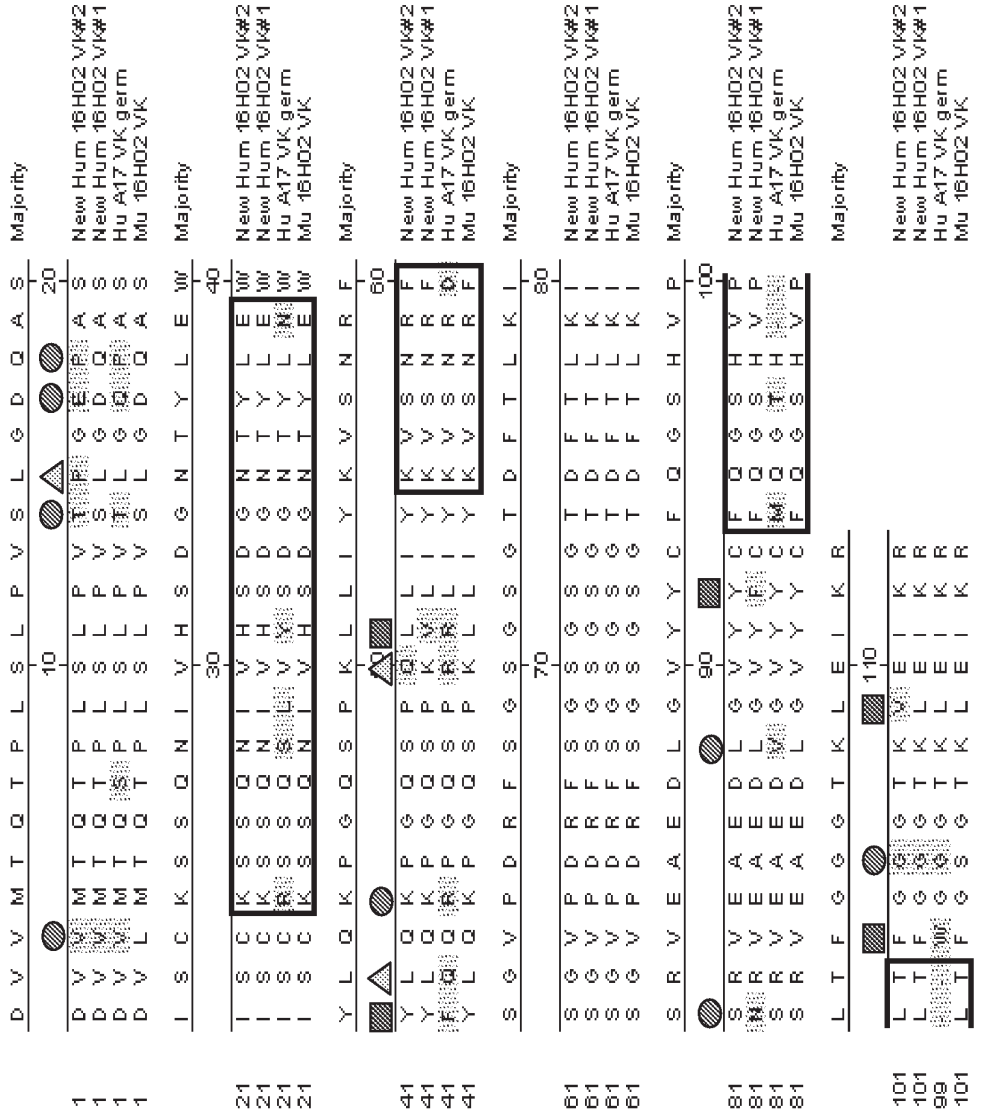

Majority
New Hum 16H02 VK#2
New Hum 16H02 VK#1
Hu A17 VK germ
Mu 16H02 VK

FIGURE 5

Construct	# of Mutations	% Humanization
Hum VK #1	8	87
Hum VK #2	5	87

FIGURE 6

Construct Names	Batch#/CID's	Protein / Conc.
Hum 16H02 Anti-TL1A VH#1+VK#1	LDC 3009	1.1 mgs (0.4 mg/ml)
Hum 16H02 Anti-TL1A VH#2+VK#1	LDC 3010	0.76 mgs (0.4 mg/ml)
Hum 16H02 Anti-TL1A VH#1+VK#2	LDC 3011	2.9 mgs (1.0 mg/ml)
Hum 16H02 Anti-TL1A VH#2+VK#2	LDC 3012	2.3 mgs (0.8 mg/ml)

FIGURE 7

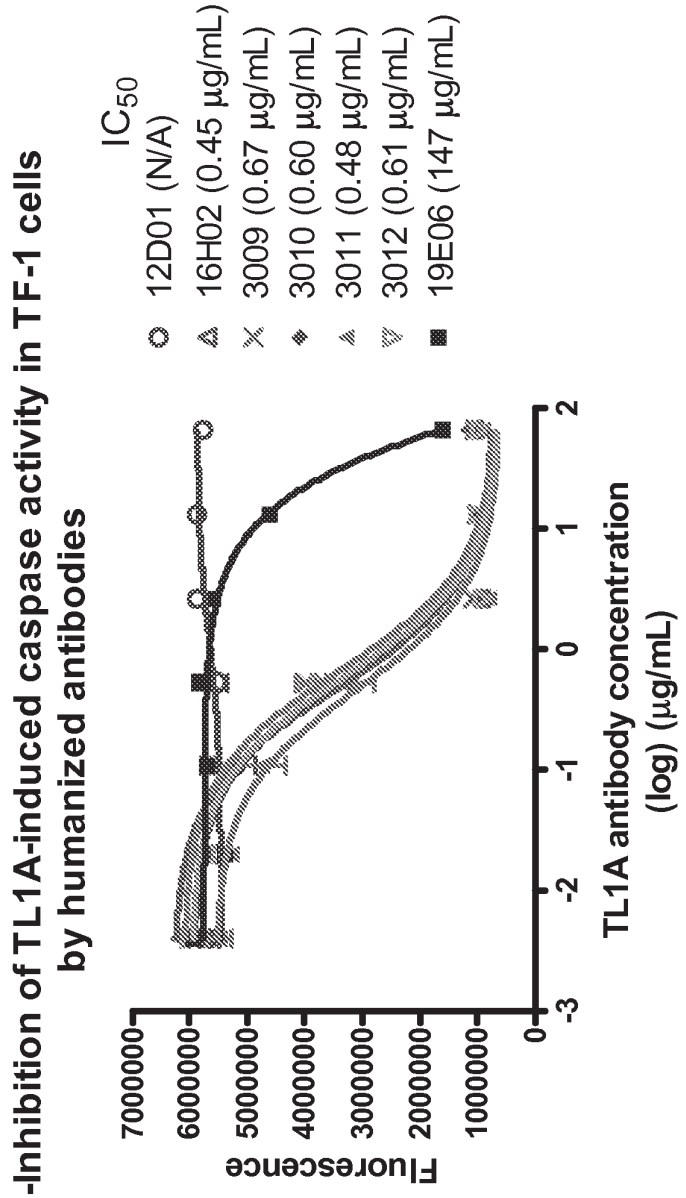

092707-Inhibition of TL1A-induced caspase activity in TF-1 cells by humanized antibodies
IC50
12D01 (N/A)
16H02 (0.45 µg/mL)
3009 (0.67 µg/mL)
3010 (0.60 µg/mL)
3011 (0.48 µg/mL)
3012 (0.61 µg/mL)
19E06 (147 µg/mL)
Fluorescence
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
-3
-2
-1
0
1
2
TL1A antibody concentration (log) (µg/mL)

FIGURE 8

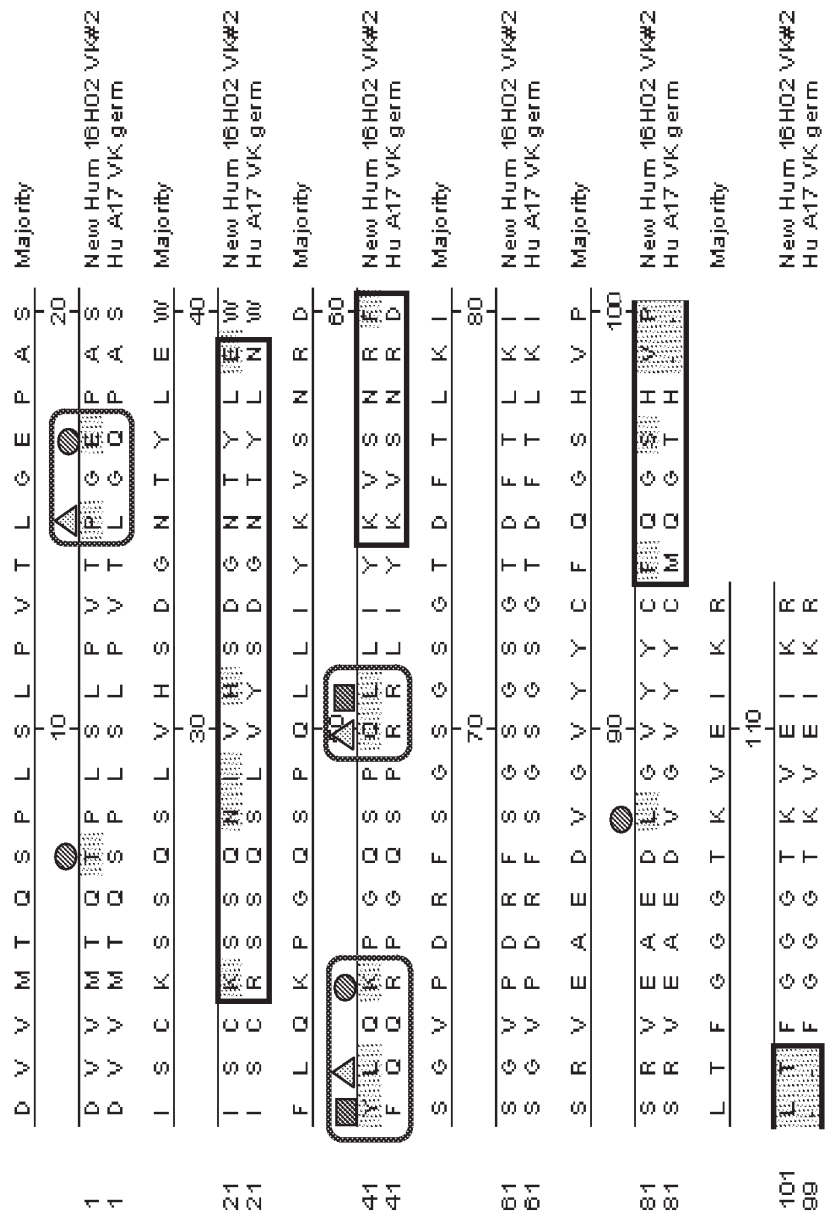


FIGURE 9

16H02 VK	Transfection ID	LDC #
WWW Ver#2	W1	3030
New WWW	W2	3031
WWM	M1	3032
MWM	M2	3033
WMW-1 (QL)	M3	3034
WMW-2 (RL)	M4	3035
MWW	M5	3036
MMW	M6	3037
MMM	M7	3038

FIGURE 10

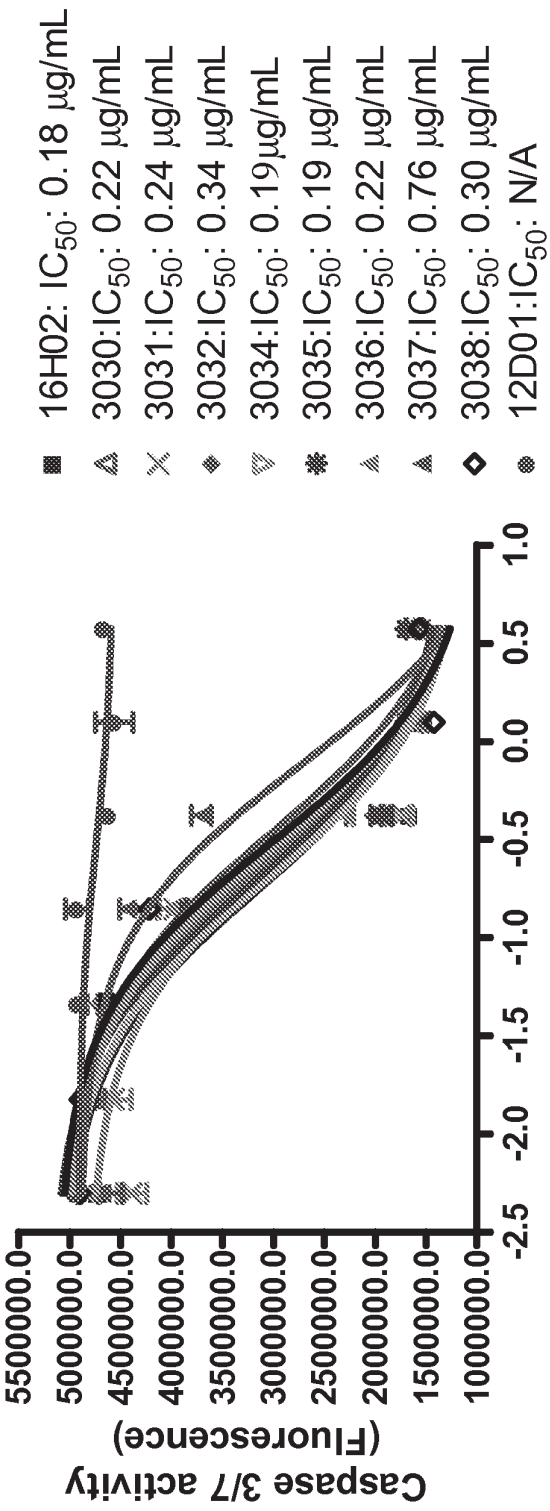

16H02: IC50: 0.18 µg/mL
3030:IC50: 0.22 µg/mL
3031:IC50: 0.24 µg/mL
3032:IC50: 0.34 µg/mL
3034:IC50: 0.19µg/mL
3035:IC50: 0.19 µg/mL
3036:IC50: 0.22 µg/mL
3037:IC50: 0.76 µg/mL
3038:IC50: 0.30 µg/mL
12D01:IC50: N/A
Caspase 3/7 activity (Fluorescence)
5500000.0
5000000.0
4500000.0
4000000.0
3500000.0
3000000.0
2500000.0
2000000.0
1500000.0
1000000.0
-2.5
-2.0
-1.5
-1.0
-0.5
0.0
0.5
1.0
Antibody concentration (log) (µg/mL)

Figure 11

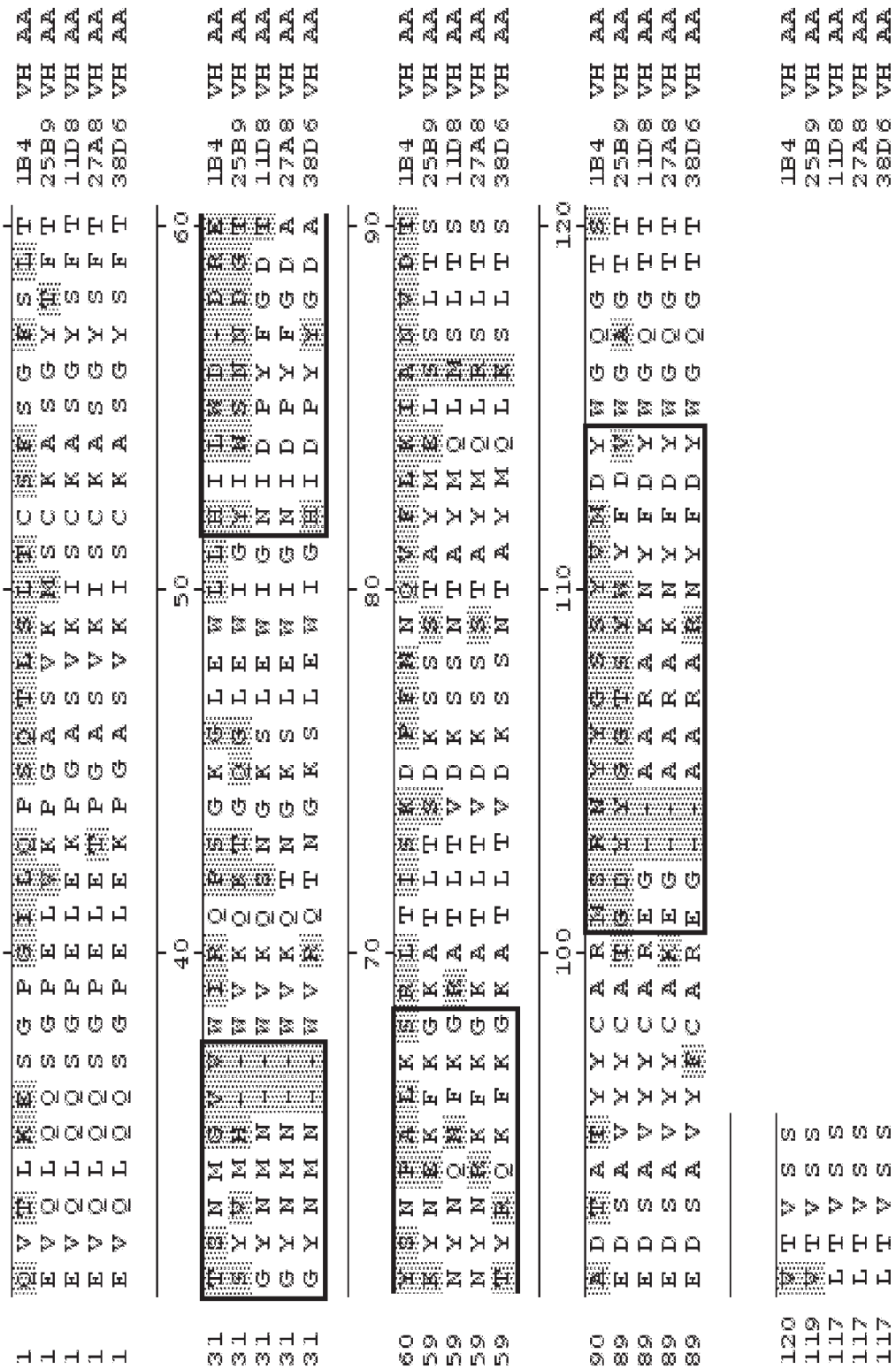


Figure 12

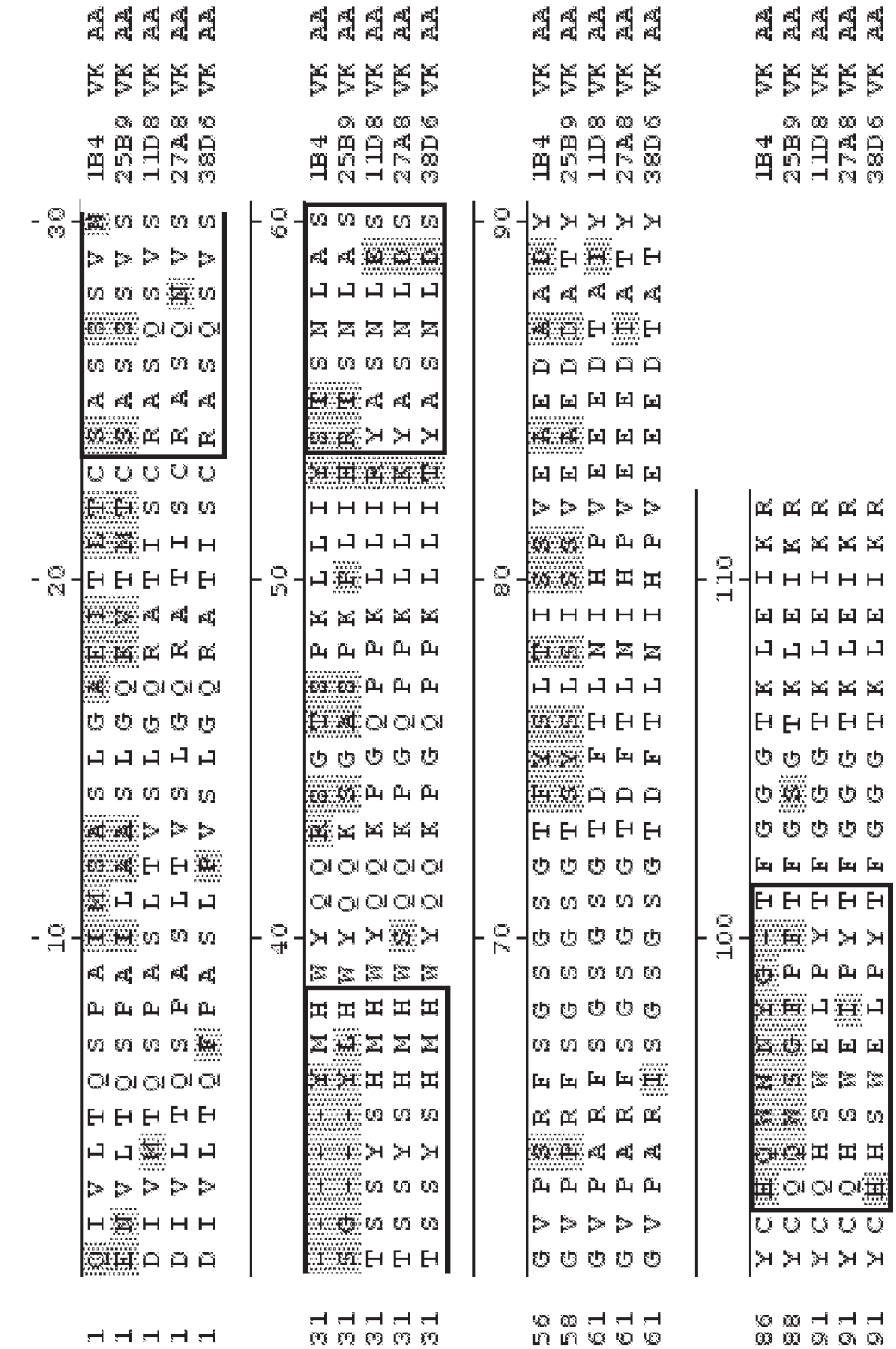


FIGURE 13

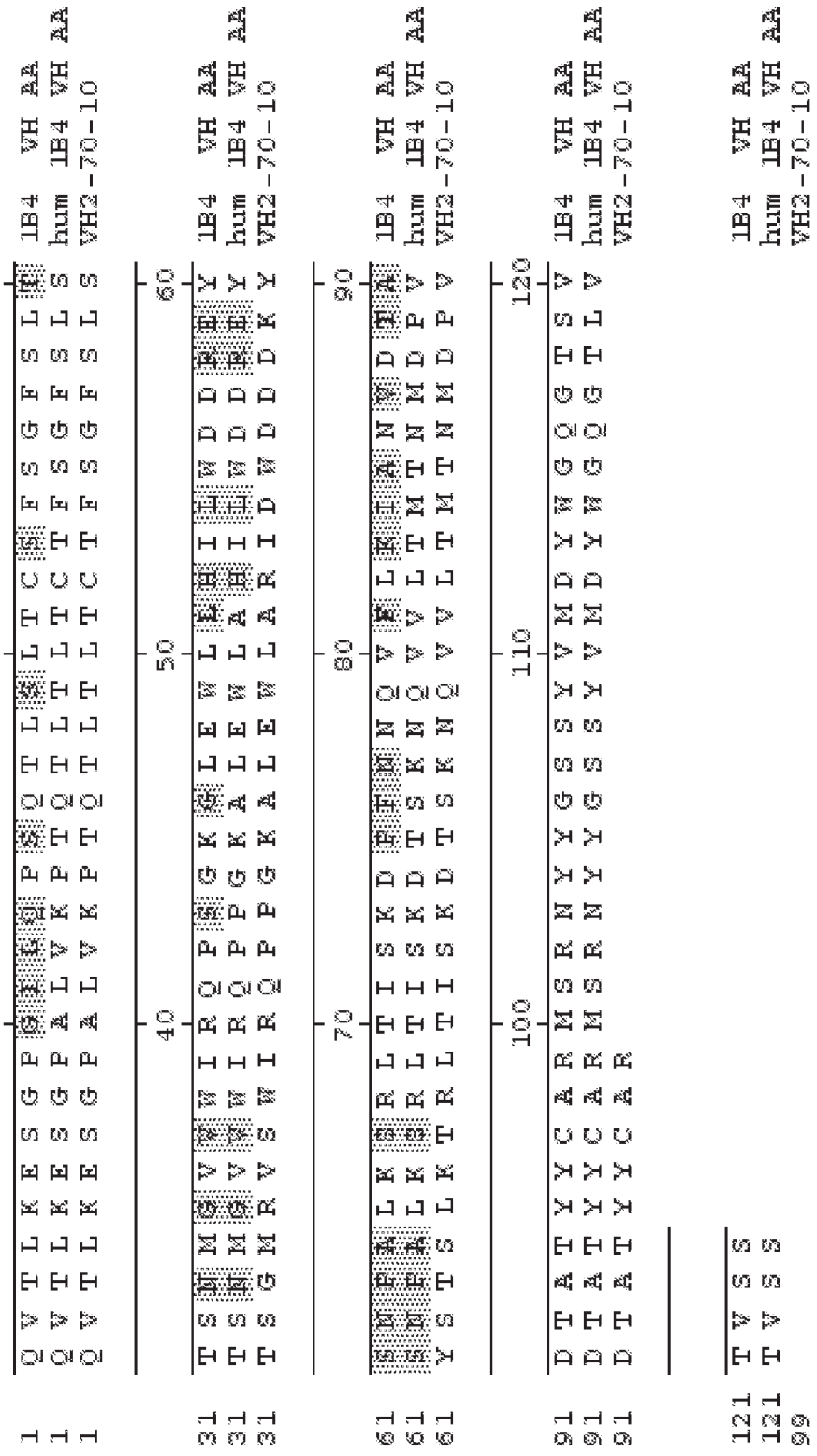


FIGURE 14

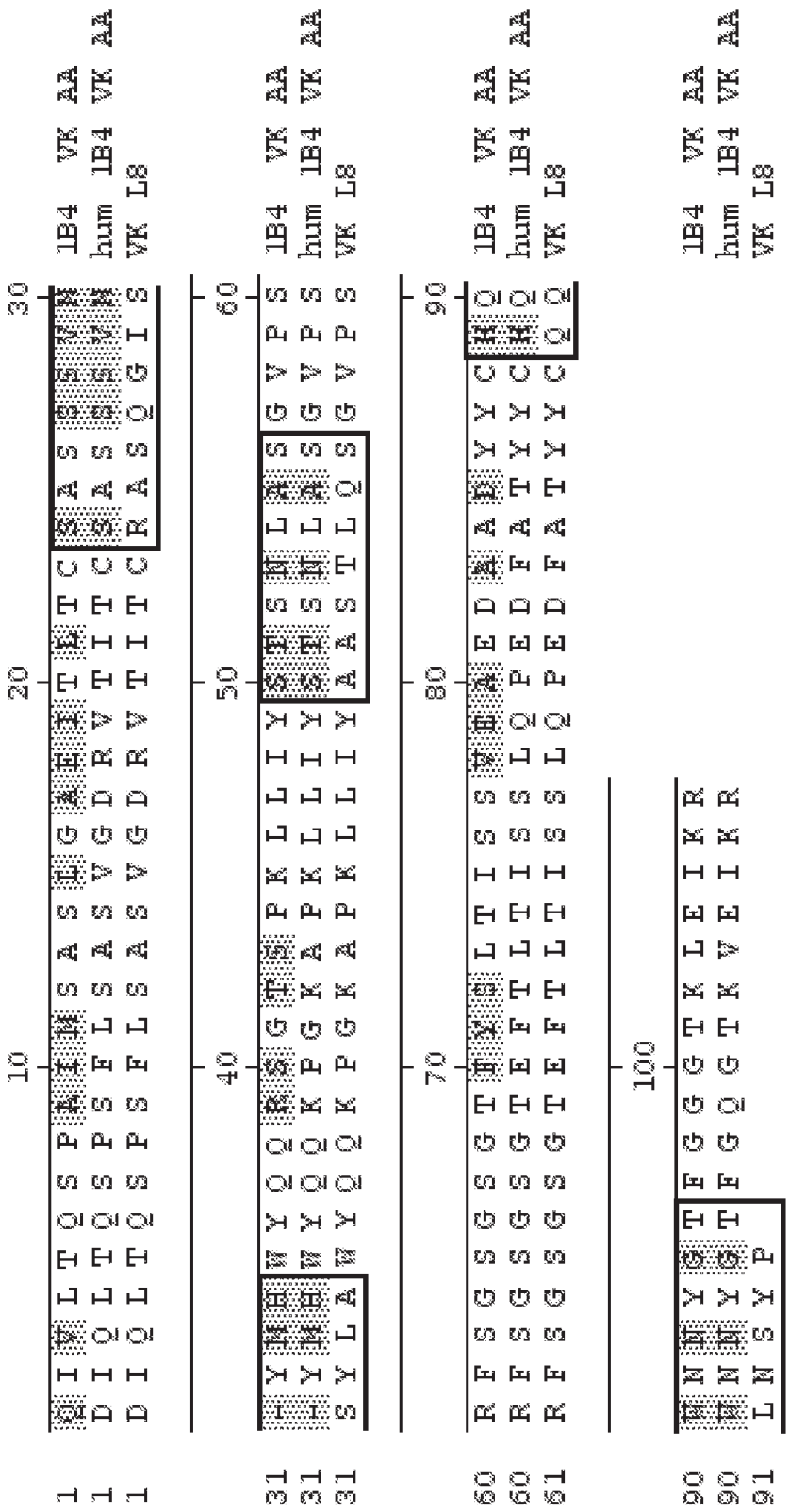
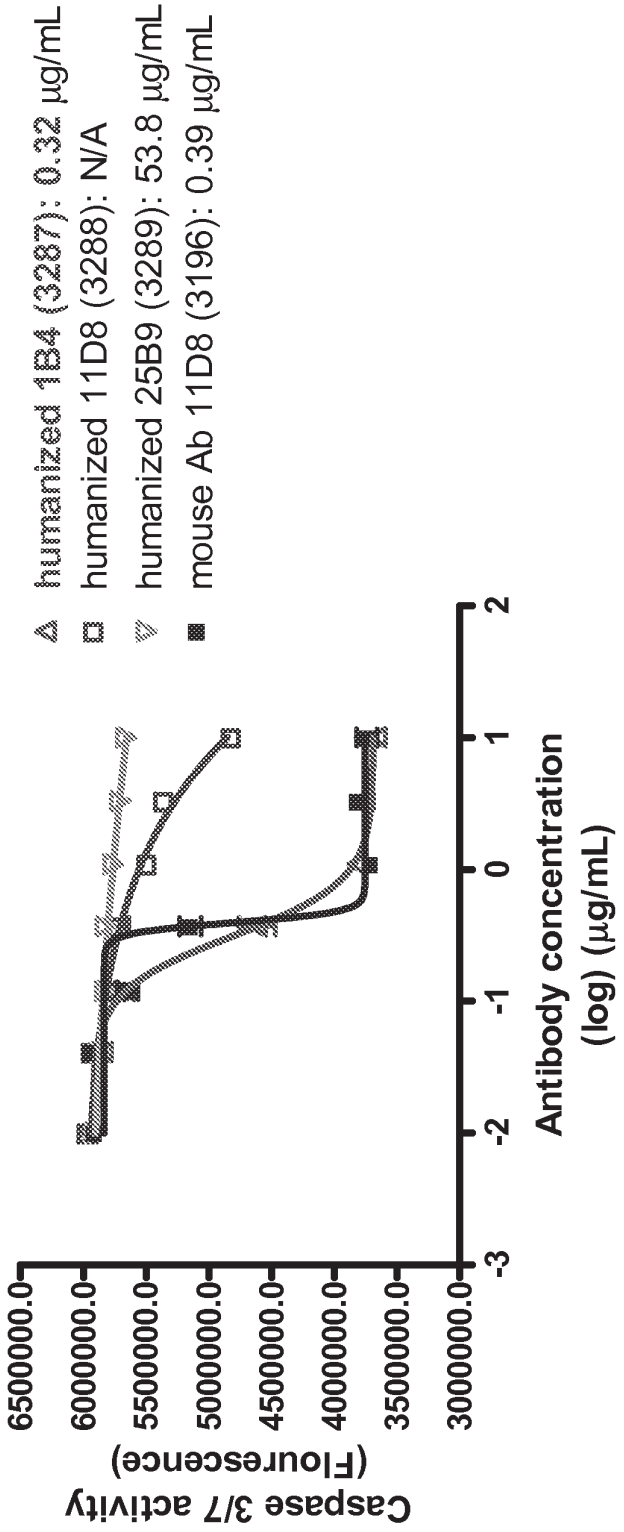


FIGURE 15


humanized 1B4 (3287): 0.32 µg/mL
humanized 11D8 (3288): N/A
humanized 25B9 (3289): 53.8 µg/mL
mouse Ab 11D8 (3196): 0.39 µg/mL
Caspase 3/7 activity (Flourescence)
6500000.0
6000000.0
5500000.0
5000000.0
4500000.0
4000000.0
3500000.0
3000000.0
-3
-2
-1
0
1
2
Antibody concentration (log) (µg/mL)