Framework 1 CDR1 Framework 2 CDR2 Framework 3 CDR3 Framework 4

VH

37E1 (SEQ ID NO:4)
EVQLVESGGGLVQPGGSLNLSCAASGFVFSRYWMSWVRQAPGKGLEWIGEINPDSSTINYTSSLKDKFIISRDNAKNTLYLQMNKVRSEDTALYYCACLITTEDYWGQGTSVTVSS

37E1B5 (SEQ ID NO:6)
EVQLVESGGGLVQPGGSLNLSCAVSGFVFSRYWMSWVRQAPGKGLEWIGEINPDSSTINYTSSLKDKFIISRDNAKNTLYLQMNKVRSEDTALYYCACLITTEDYWGQGTSVTVSS

Hu37E1B5 (SEQ ID NO:8)
EVQLVESGGGLVQPGGSLRLSCAVSGFVFSRYWMSWVRQAPGKGLEWIGEINPDSSTINYTSSLKDRFTISRDNAKNSLYLQMNSLRAEDTAVYYCASLITTEDYWGQGTTVTVSS

Framework 1 CDR1 Framework 2 CDR2 Framework 3 CDR3 Framework 4

VL

37E1wt (SEQ ID NO:5)
QIVLTQSPSSMYASLGERVTIPCKASQDINSYLSWFQQKPGKSPKTLIYRANRLVDGVPSRFSGSGSGQDYSLTISSLEYEDMGIYYCLQYDEFPYTFGGGTKLEIKA

37E1B5 (SEQ ID NO:7)
QIVLTQSPSSMYASLGERVTIPCKASQDINSYLSWFQQKPGKSPKTLIYYANRLVDGVPSRFSGSGSGQDYSLTISSLEYEDMGIYYCLQYDEFPYTFGGGTKLEIKA

Hu37E1B5 (SEQ ID NO:9)
EIVLTQSPSSLSLSPGERVTITCKASQDINSYLSWYQQKPGKAPKLLIYYANRLVDGVPARFSGSGSGQDYTLTISSLEPEDFAVYYCLQYDEFPYTFGGGTKLEIKR

FIGURE 1

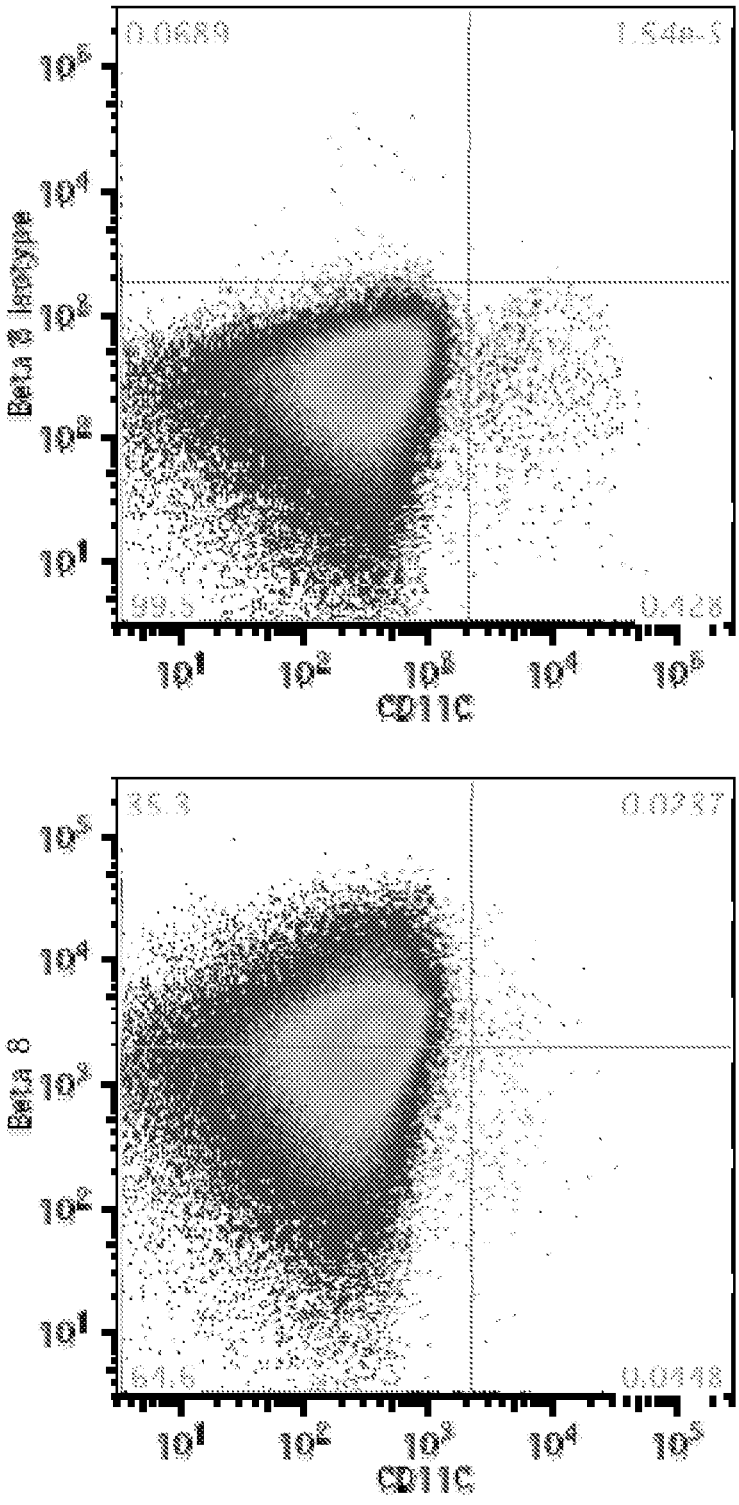
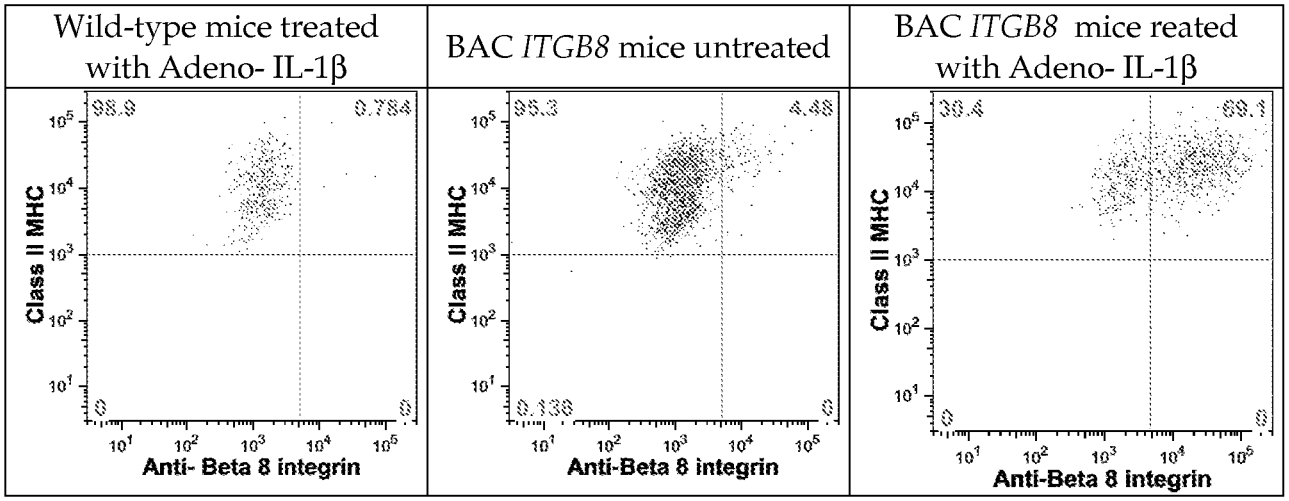
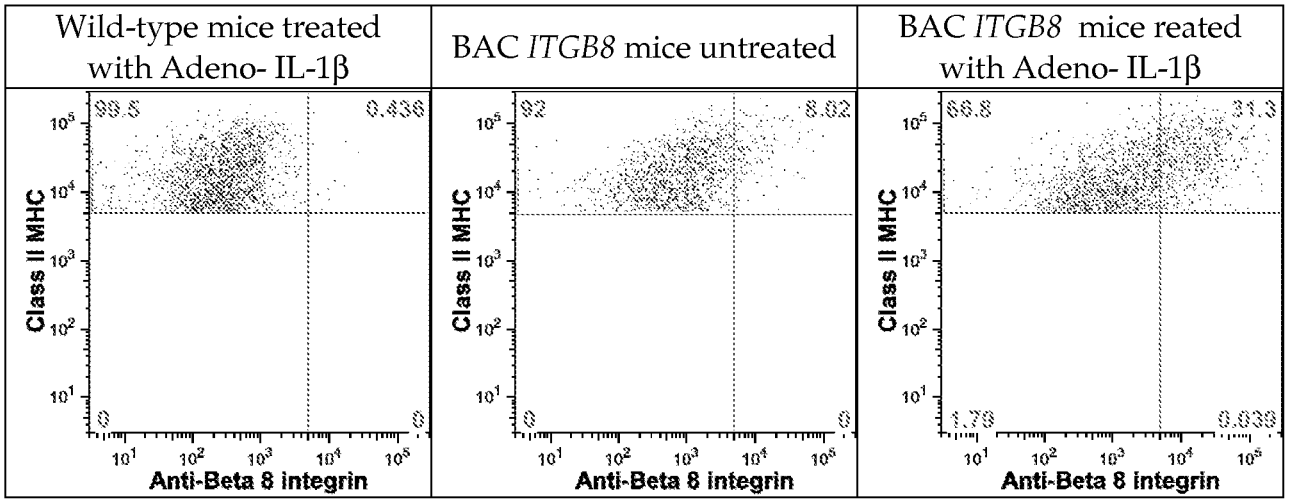

0.0489
1.54e-5
99.5
0.426
Beta 8 Isotype
CD11c
35.3
0.0287
64.6
0.0498
Beta 8
CD11c

FIGURE 2

A:


Wild-type mice treated with Adeno- IL-1β
BAC ITGB8 mice untreated
BAC ITGB8 mice reated with Adeno- IL-1β
Class II MHC
Anti- Beta 8 integrin
Anti-Beta 8 integrin
98.9
0.784
0
0
95.3
4.48
0.138
0
30.4
69.1
0
0

B:


Wild-type mice treated with Adeno- IL-1β
BAC ITGB8 mice untreated
BAC ITGB8 mice reated with Adeno- IL-1β
Class II MHC
Anti-Beta 8 integrin
98.6
0.436
0
0
92
8.02
0
0
66.8
31.3
1.78
0.039

C:

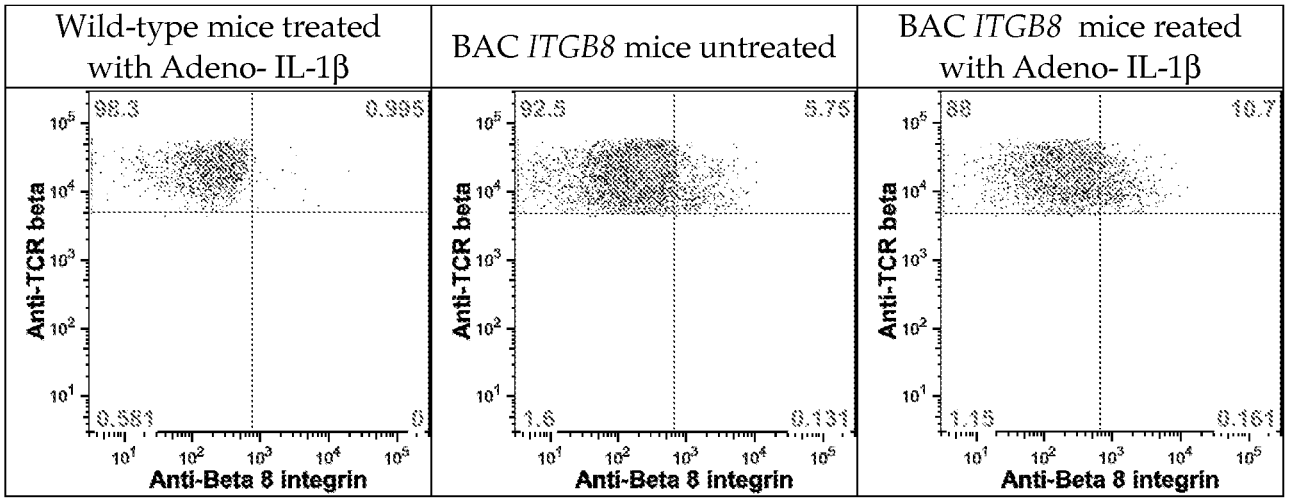
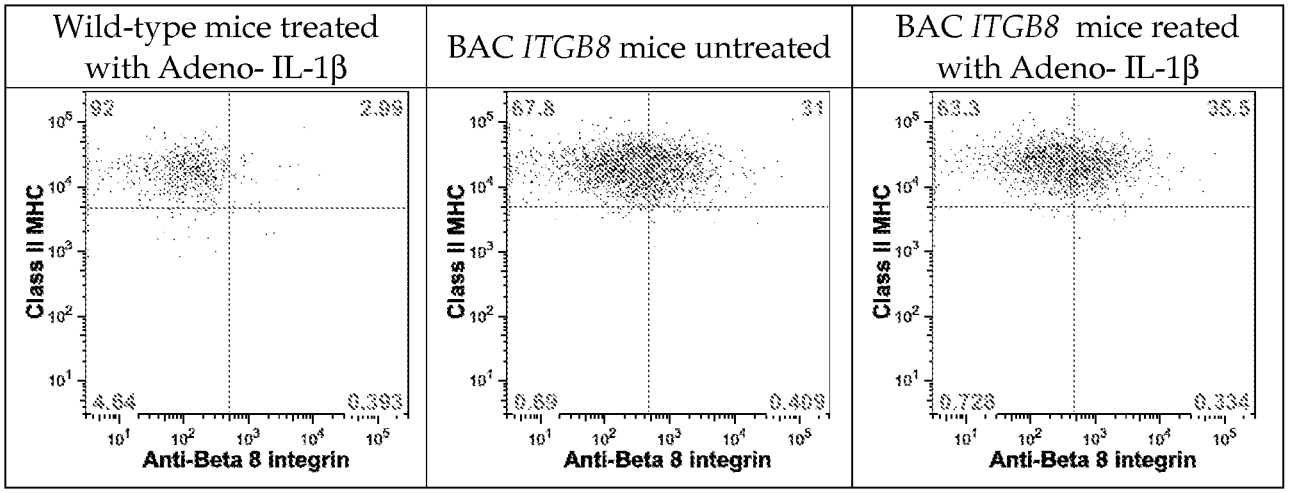
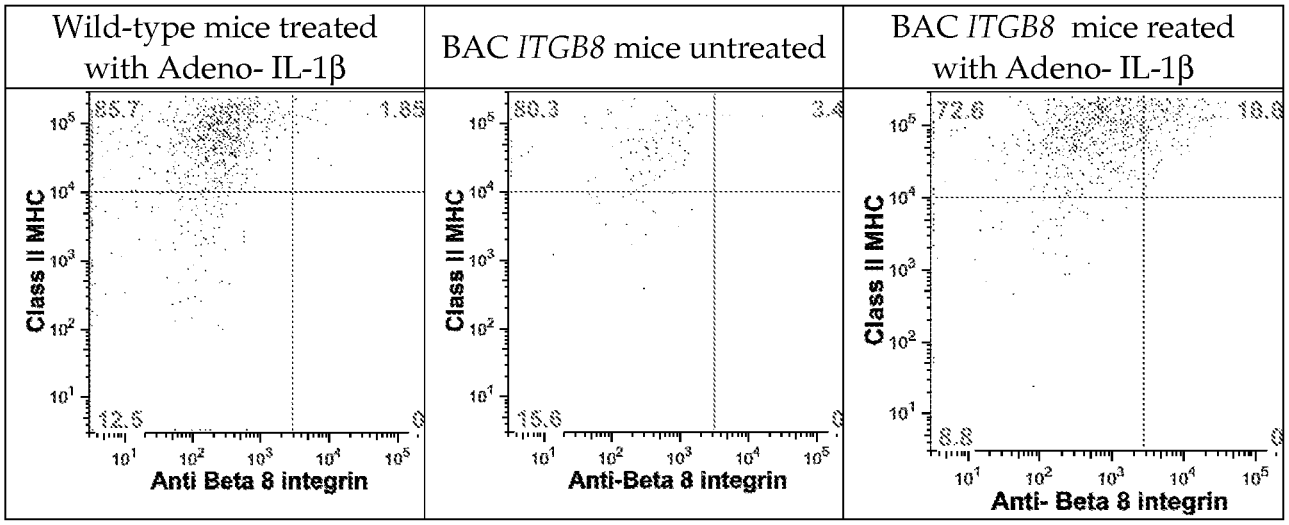

Wild-type mice treated with Adeno- IL-1β
BAC ITGB8 mice untreated
BAC ITGB8 mice reated with Adeno- IL-1β
Anti-TCR beta
Anti-Beta 8 integrin
98.3
0.995
0.581
0
92.5
5.75
1.6
0.131
88
10.7
1.15
0.161

FIGURE 3

D:



E:



F:

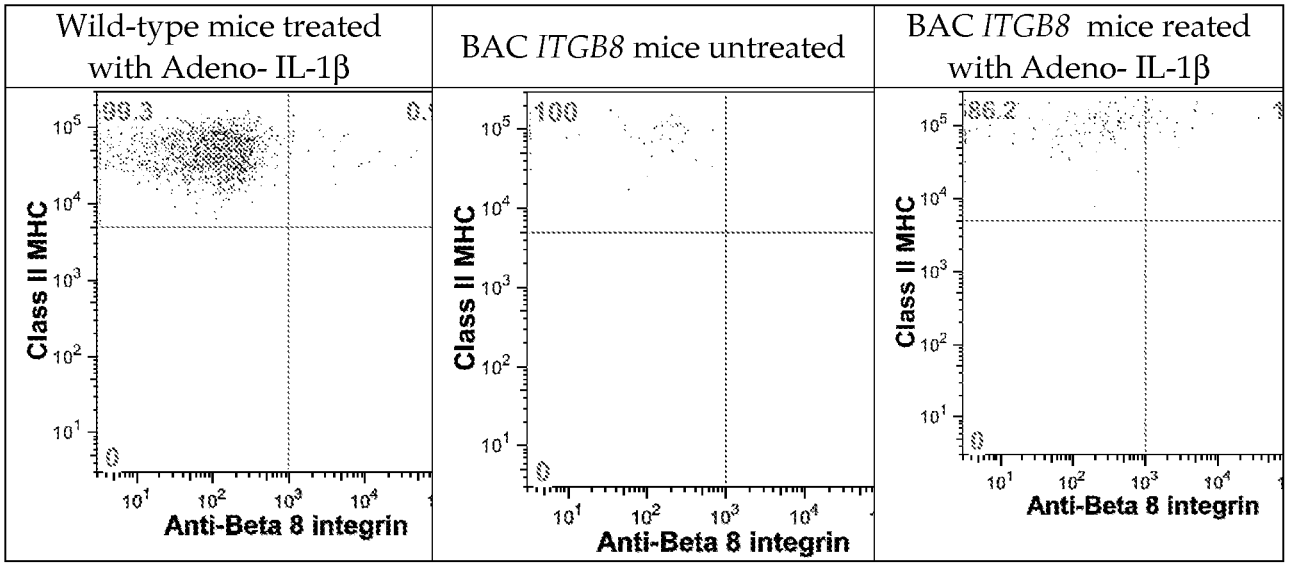


FIGURE 3 (cont.)

G: Summary Table

Cell Populations	Lung	Liver	Lymphnodes	Spleen	Small Bowel
T cells	+		+	-	+
B cells	+		+	-	+
macrophages	+		+	-	+
Dendritic cells	+		+	-	+
Stellate cells	NA	+	NA	NA	NA

FIGURE 3 (cont.)

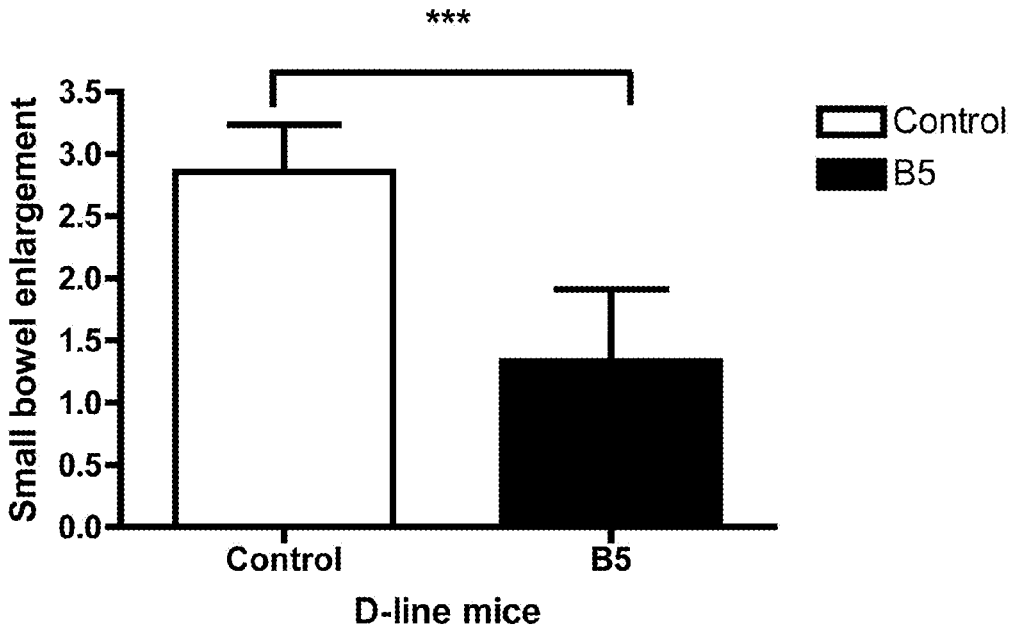

***
Small bowel enlargement
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Control
B5
D-line mice
Control
B5

FIGURE 4

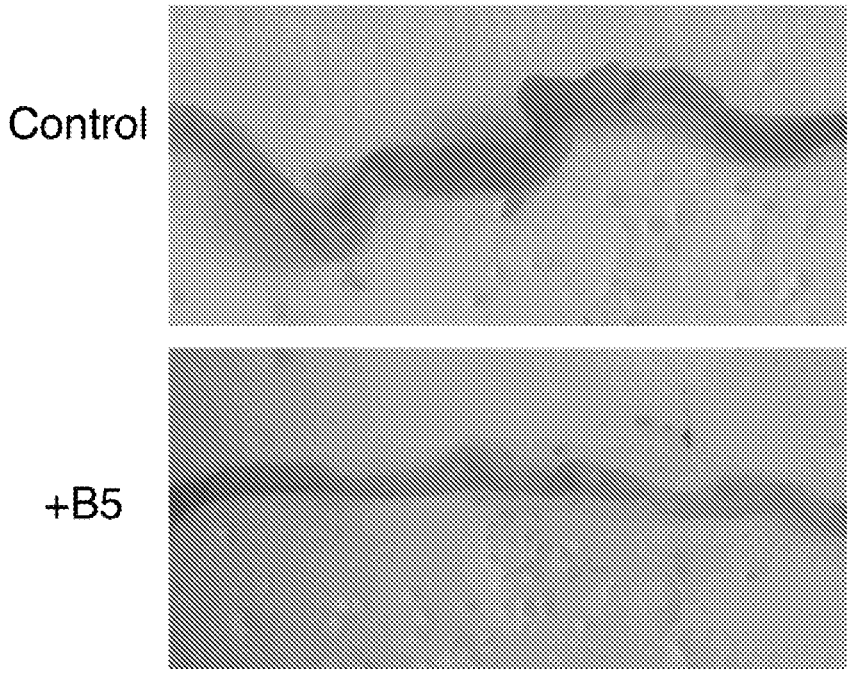


FIGURE 5

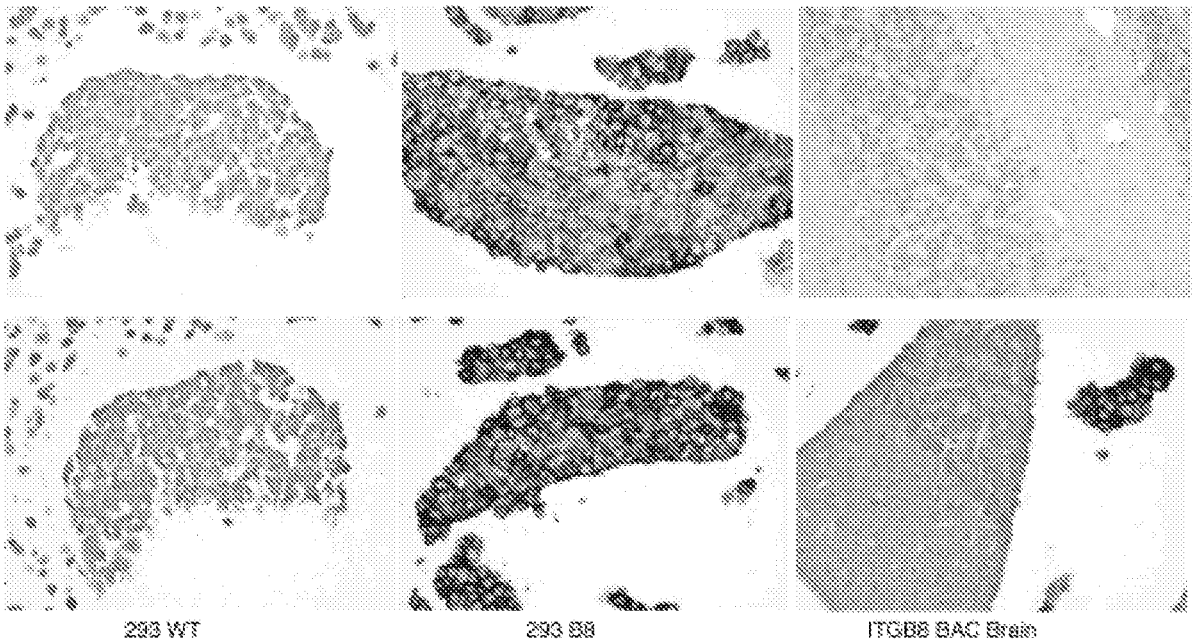


FIGURE 6

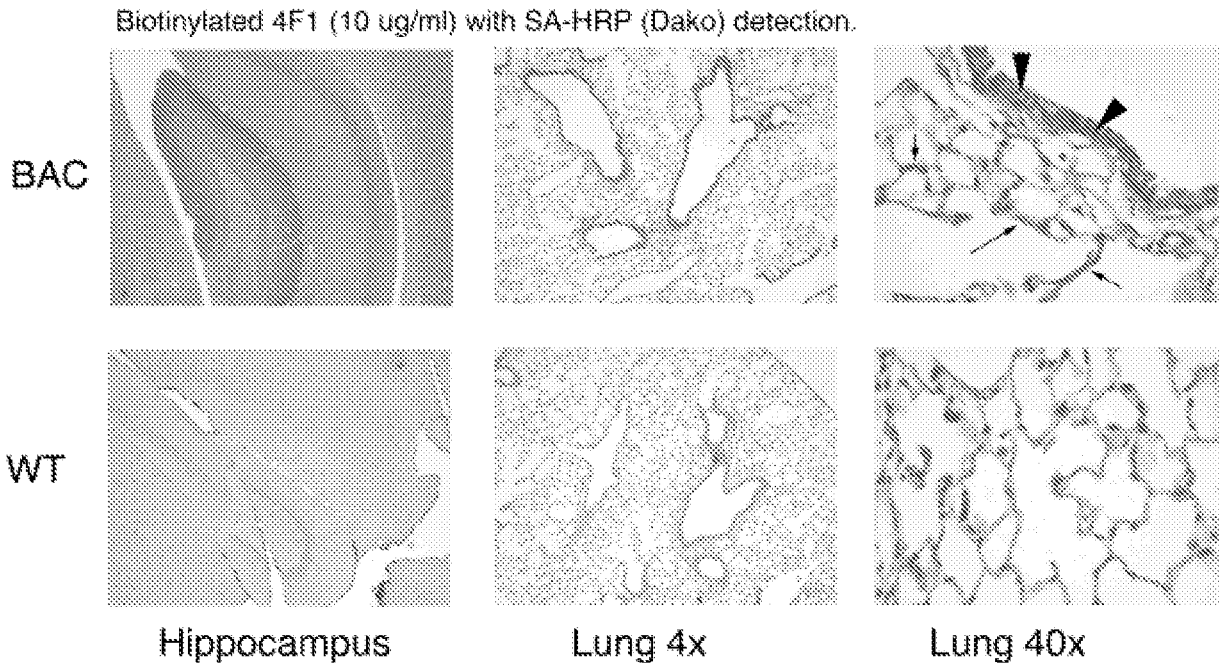

Biotinylated 4F1 (10 ug/ml) with SA-HRP (Dako) detection.
BAC
WT
Hippocampus
Lung 4x
Lung 40x

FIGURE 7

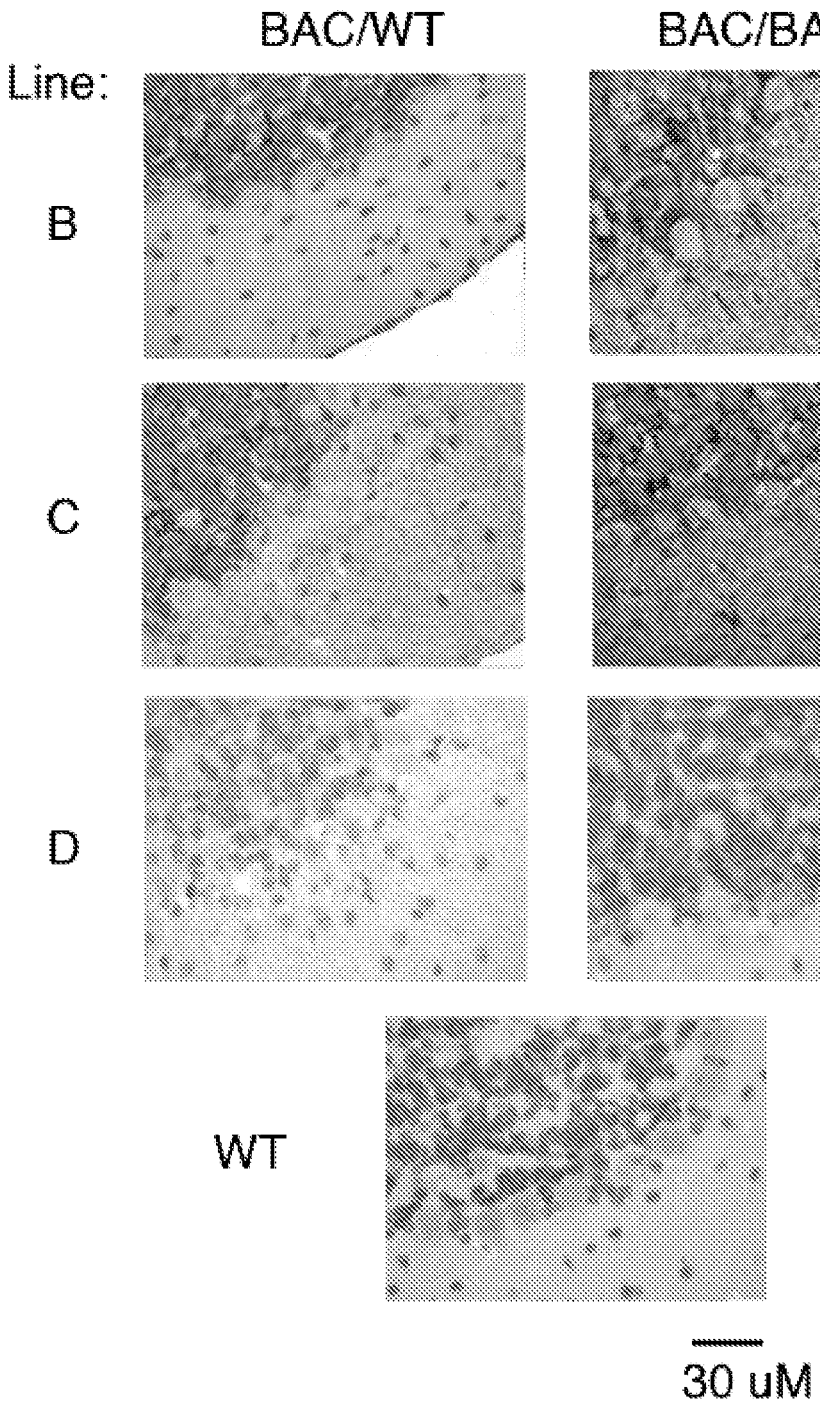


FIGURE 8

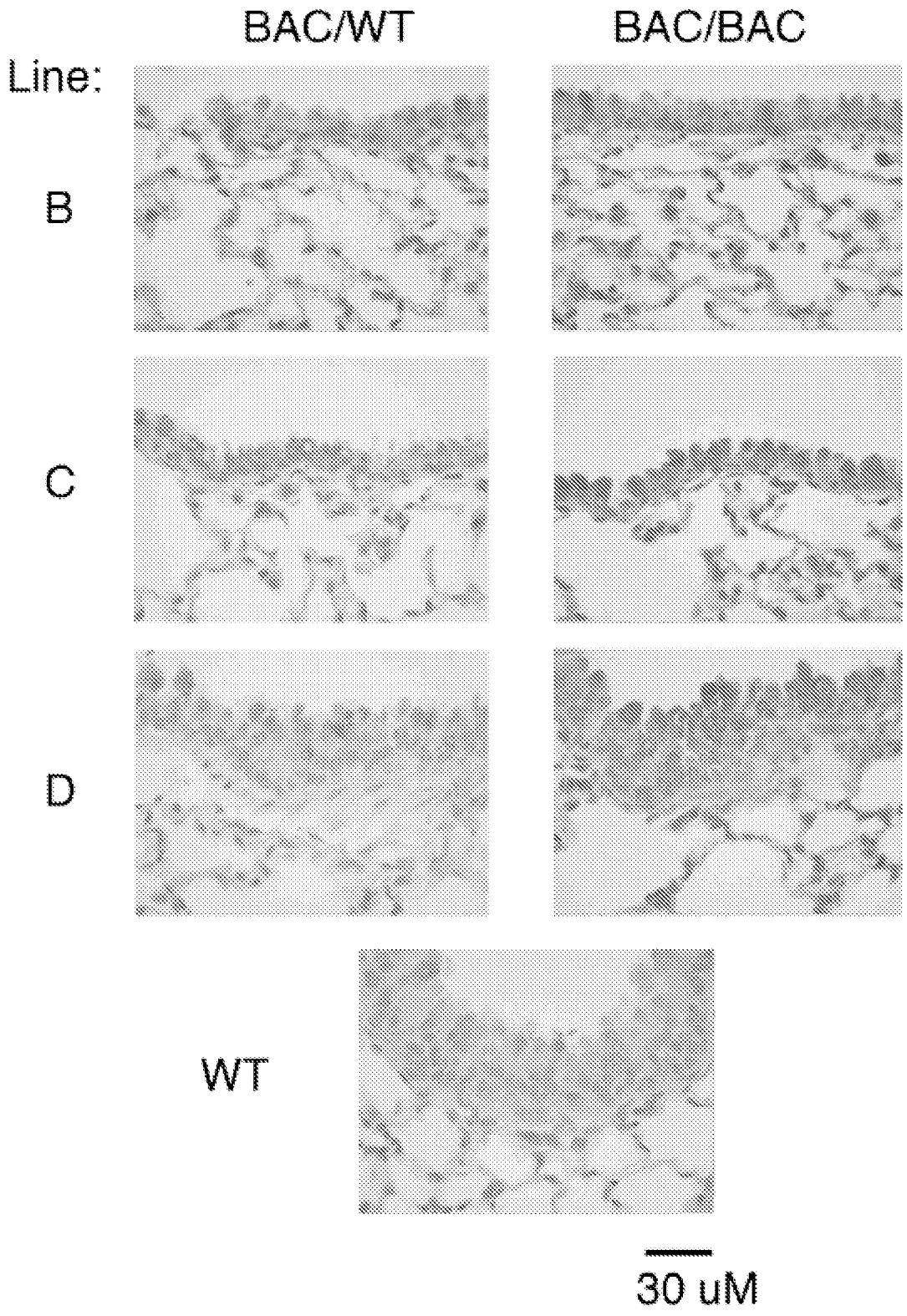


FIGURE 9

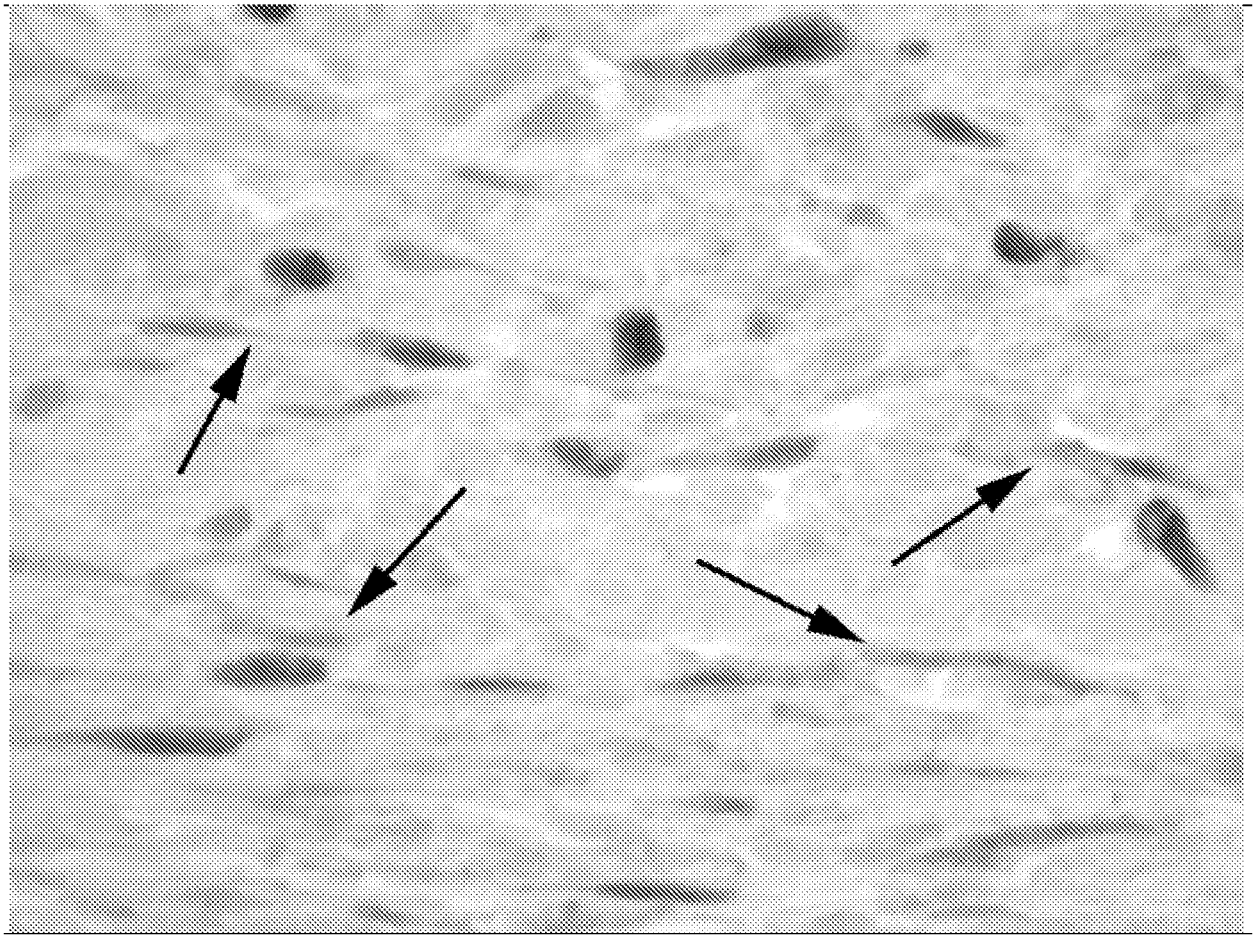


FIGURE 10

VH (heavy chain)

	Framework 1	CDR1	Framework 2	CDR2
wt 4F1 SEQ ID NO:20	QVQLQQSGAELVRPGTSVKVSCKASGYAFT	NYLIE	WVKQRPGQGLEWIG	VINPGTGGTNYNKKFKV
wt 6B9 SEQ ID NO:18	QVQLQQSGAELVRPGTSVKVSCKASGYAFT	DYLIE	WVKQRPGQGLEWIG	VINPETGGTNYNAKFKG
6B9Mut1 SEQ ID NO:31	QVQLQQSGAELVRPGTSVKVSCKASGYAFT	DYLIE	WVKQRPGQGLEWIG	VINPETGGTNYNAKF**R**G
wt 11E8 SEQ ID NO:10	EVQLQQSGPELMKTGASVKISCKATGYTFS	SYWIE	WVKQRPGHGLEWIG	DILPGSGTTNYNEKFKG
11E8Mut28 SEQ ID NO:32	EVQLQQSGPELMKTGASVKISCKATGYTFS	SYWIE	WVKQRPGHGLEWIG	DILPGSGTTNYNEKFKG
11E8Mut94 SEQ ID NO:88	EVQLQQSGPELMKTGASVKISCKATGYTFS	SYWIE	WVKQRPGHG**F**EWIG	DILPGSGTTNYNEKF**E**G
11E8Mut39SEQ ID NO:102	EVQLQQSGPELMKTGASVKISCKATGYTFS	**T**YWIE	WVKQRPGHGLEWIG	**HT**LPGSGTTNYNEKFKG
wt 14E5 SEQ ID NO:12	EVQLQQSGAELMKPGASVKISCKATGYTFS	TYWIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut11 SEQ ID NO:33	EVQLQQSGAELMKPGASVKISCKATGYTFS	T**N**WIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut42 SEQ ID NO:34	EV**P**LQQSGAELMKPGASVKISCKATGYTFS	TYWIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut54 SEQ ID NO:35	EVQLQQSGAELMKPGASVKISCKATGYTFS	T**N**WIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut68 SEQ ID NO:36	EVQLQQSGAELMKPGASVKISCKATGYTFS	TYWIE	WIKQRPGHGLEWIG	**D**ILPGSGTTNYNEKFKG
14E5Mut65 SEQ ID NO:37	**Q**VQLQQSGAELMKPGASVKISCKATGY**S**FS	T**N**WIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut83 SEQ ID NO:38	EVQLQQSGA**V**LMKPGASVKISCKATGYTFS	T**H**WIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut93SEQ ID NO:135	EVQLQQSGAELMKPGSSVKISCKATGYTFS	TYWIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG
14E5Mut95 SEQ ID NO:39	EVQLQQ**T**GAELMKPGASVKISCKATGYTFS	TYWIE	WIKQRPGHGLEWIG	HILPGSVITNYNEKFKG

FIGURE 11A

VH (heavy chain)

		Framework 3	CDR3	Framework 4
wt 4F1	SEQ ID NO:20	KATLTADKSSSTAYMQLGGLTFDDSAVYFCAR	EGNARTYYYAMDY	WGQGTSVTVSS
wt 6B9	SEQ ID NO:18	KATLTADKSSSSAYMQLSSLTSGDSAVYFCAR	EAGNYIYAMDY	WGQGTSVTVSS
6B9Mut1	SEQ ID NO:31	KATLTADKSSSSAYMQLSSLTSGDSAVYFCAR	EAGNYIYAMDY	WGQGTSVTVSS
wt 11E8	SEQ ID NO:10	RATVTADRSSNTAYMQLSSLTYGDSAVYYCAT	WGWDTY	WDQGTSVTVSS
11E8Mut28	SEQ ID NO:32	**K**A**AI**TAD**T**SSNT**S**Y**L**QLSSLT**SE**DSAVYYCA**R**	WGWD**S**Y	W**G**QGT**L**VTVSS
11E8Mut94	SEQ ID NO:88	RA**AI**TAD**T**SSNT**S**YMQLSSLT**SE**DSAVYYCA**R**	WGWD**S**Y	W**G**QGT**L**VTVSS
11E8Mut39	SEQ ID NO:102	RAT**I**TADR**P**SNT**S**YMQLSSLTYGDSAV**F**YCAT	WGWDTY	WD**H**GTSVTVSS
wt 14E5	SEQ ID NO:12	KAAITADTSSNTSYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut11	SEQ ID NO:33	KAAITADTSSNTSYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut42	SEQ ID NO:34	KAAITADTSSNTSYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut54	SEQ ID NO:35	KAAITADTSSNTSYMQL**T**SLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut68	SEQ ID NO:36	**R**A**TV**TAD**R**SSNTAYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut65	SEQ ID NO:37	KAAITADTSSNTSYMQLSSLTS**D**DSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut83	SEQ ID NO:38	KAAITADTSSNTSYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut93	SEQ ID NO:135	KAAITADTSSNTSYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS
14E5Mut95	SEQ ID NO:39	KA**V**ITADTSSNTSYMQLSSLTSEDSAVYYCAR	WGWDSY	WGQGTLVTVSS

FIGURE 11B

VK (light chain)

		Framework 1	CDR1	Framework 2	CDR2
wt 4F1	SEQ ID NO:21	DIEMTQTPASLSASVGETVTITC	RASENIYSYLV	WYQQKQGKSPQVLVY	NAKTLAE
wt 6B9	SEQ ID NO:19	DIQMTQSPASLSASVGETVTITC	RASVNIYSYLV	WYQQKQGKSPQLLVH	NAKTLAE
6B9Mut1	SEQ ID NO:22	DI**V**MTQSPASLSASVGETVTITC	RASVNIYSYLV	WYQQKQGKSPQLLVH	NAKTLAE
wt 11E8	SEQ ID NO:11	DIVMTQSPSSLSASLGDRVTISC	SASQGISNYLN	WYQQKPDGTVKLLIY	YTSSLHS
11E8Mut28	SEQ ID NO:23	DIVMTQSPSSLSASLGDRVTISC	SASQGISNYLN	WYQQKPDGTVKLLIY	YTSSLHS
11E8Mut94	SEQ ID NO:89	DIKMTQ**T**PSSLSASLGDRVTISC	SASQGISNYLN	WYQQKPDGTVKLLIY	YTSSLHS
11E8Mut39	SEQ ID NO:104	DI**E**MTQSPSSLSASLGDRVTISC	S**T**SQ**DV**S**S**YLN	WYQQKPDGTV**T**LLIY	Y**A**S**N**LHS
wt 14E5	SEQ ID NO:13	DIEMTQSPSSLSASLGDRVTISC	STSQDISSSLN	WYQQKPDGTVTLLIY	YTSNLHS
14E5Mut11	SEQ ID NO:24	DI**L**MTQSPSSLSASLGDRVTISC	S**A**SQ**G**IS**KY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS
14E5Mut42	SEQ ID NO:25	DI**V**MTQ**T**PSSLSASLGDRVTISC	S**A**SQ**G**IS**NY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS
14E5Mut54	SEQ ID NO:26	DI**V**MTQ**T**PSSLSASLGDRVTI**R**C	S**A**SQ**G**IS**NY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS
14E5Mut68	SEQ ID NO:27	DI**K**MTQSPSSLSASLGDRVTISC	S**A**SQ**G**IS**NY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS
14E5Mut65	SEQ ID NO:28	DI**K**MTQSPSSLSASLGDRVTISC	S**A**SQ**G**IS**NY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS
14E5Mut83	SEQ ID NO:29	DI**L**MTQSPSSLSASLGDRVTISC	S**A**SQ**G**IS**NY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS
14E5Mut93	SEQ ID NO:136	DIMMTQSPSSLSASLGDRVTISC	SASQGISNYLN	WYQQKPDGTVKLLIY	YTSSLHS
14E5Mut95	SEQ ID NO:30	DI**E**MTQSPSSLSASLGDRVTISC	S**B**SQ**G**IS**NY**LN	WYQQKPDGTV**K**LLIY	YTS**S**LHS

FIGURE 12A

VK (light chain)

	Framework 3	CDR3	Framework 4
wt 4F1 SEQ ID NO:21	GVPSRFSGSGSGTQFSLKINSLQPEDFGSYYC	QHHNGTPYT	FGGGTKLEIKR
wt 6B9 SEQ ID NO:19	GVPSRFSGSGSGTQFSLKINSLQPEDFGSYYC	QHHHGTPYT	FGGGTKLEIKR
6B9Mut1 SEQ ID NO:22	GVPSRFSGSGSGTQFSLKINSLQPEDFGSYYC	QHHHGTPYT	FGGGTKLEIKR
wt 11E8 SEQ ID NO:11	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYSNLPYT	FGGGTKLEIKR
11E8Mut28 SEQ ID NO:23	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQ**F**SNLPYT	FGGGTKLEIKR
11E8Mut94 SEQ ID NO:89	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYSNLPYT	FGGGTKLEIKR
11E8Mut39SEQ ID NO:104	GVPSRFSGSGSGTDYSL**A**ISNLEPEDIATYYC	QQYSNLPYT	FGGGTKLEIK**A**
wt 14E5 SEQ ID NO:13	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYSKLPYT	FGGGTKLEIKR
14E5Mut11 SEQ ID NO:24	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYS**N**LPYT	FGGGTKLEIKR
14E5Mut42 SEQ ID NO:25	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYS**D**LPYT	FGGGTKLEIKR
14E5Mut54 SEQ ID NO:26	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYS**N**LPYT	FGGGTKLEIKR
14E5Mut68 SEQ ID NO:27	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYS**E**LPYT	FGGGTKLEIKR
14E5Mut65 SEQ ID NO:28	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQ**F**S**N**LPYT	FGGGTKLEIKR
14E5Mut83 SEQ ID NO:29	GVPSRFSGGGSGTDYSLTISNLEPEDIATYYC	QQYS**D**LPYT	FGGGTKLEIKR
14E5Mut93SEQ ID NO:136	GVPSRFSGSGSGTDYSLTISNLEPEDIATYYC	QQYSNLPYT	FGGGTKLEIKR
14E5Mut95 SEQ ID NO:30	GVPSRFSGSRSGTDYSLTISNLEPEDIATYYC	QQYS**D**LPYT	FGGGTKLEIKR

FIGURE 12B